

## IES ROAD REPORT

PHOTOMETRIC FILENAME : 9044AMF1X167UAMC.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] Q2017020901 Scaled from 112 watt

[TESTLAB] INCON

[ISSUEDATE] 02-09-2017

[MANUFAC] INCON

[LUMCAT] 9044AMF1X167UAMC

[LUMINAIRE] 9044AM WITH ONE 167W AMBER LED ARRAY, CLEAR GLASS LENS

[LAMPCAT] CREE XBD 2525 LEDS

[LAMP] CREE XBD 2525 LEDS

### CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5717
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	32
Total Luminaire Watts	180
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Maximum Candela	1827.781
Maximum Candela Angle	90H 7.5V
Maximum Candela (<90 Degrees Vertical)	1827.781
Maximum Candela Angle (<90 Degrees Vertical)	90H 7.5V
Maximum Candela At 90 Degrees Vertical	3.231 (0.1% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	173.407 (3.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	735.5	N.A.	12.9
FM - Front-Medium (30-60)	1584.2	N.A.	27.7
FH - Front-High (60-80)	482.8	N.A.	8.4
FVH - Front-Very High (80-90)	8.9	N.A.	0.2
BL - Back-Low (0-30)	732.2	N.A.	12.8
BM - Back-Medium (30-60)	1580.5	N.A.	27.6
BH - Back-High (60-80)	533.1	N.A.	9.3
BVH - Back-Very High (80-90)	16.2	N.A.	0.3
UL - Uplight-Low (90-100)	2.7	N.A.	0.0
UH - Uplight-High (100-180)	40.5	N.A.	0.7
Total	5716.6	N.A.	100.0
BUG Rating	B2-U2-G1		

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**CANDELA TABULATION**

**Vert. Horizontal Angles**  
**Angles**

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
<b>0.0</b>	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437
<b>2.5</b>	1797.086	1799.993	1797.515	1801.932	1801.177	1790.407	1796.869	1799.993	1801.393	1802.470
<b>5.0</b>	1803.439	1800.855	1797.946	1803.977	1799.346	1795.362	1797.839	1803.763	1804.732	1803.870
<b>7.5</b>	1804.408	1798.377	1796.546	1805.701	1797.624	1798.055	1797.193	1804.086	1804.194	1801.286
<b>10.0</b>	1800.962	1793.854	1794.069	1804.194	1796.546	1797.193	1795.469	1800.639	1800.424	1795.793
<b>12.5</b>	1793.531	1789.652	1788.145	1797.839	1792.993	1791.376	1792.345	1794.715	1795.469	1790.731
<b>15.0</b>	1785.883	1784.699	1781.683	1790.407	1785.992	1781.144	1790.300	1790.514	1787.930	1788.038
<b>17.5</b>	1775.005	1776.620	1776.729	1781.790	1777.159	1773.496	1781.468	1784.914	1777.051	1781.683
<b>20.0</b>	1765.204	1768.005	1766.819	1771.343	1767.035	1764.988	1767.896	1775.113	1764.773	1769.296
<b>22.5</b>	1757.987	1755.187	1752.280	1755.942	1754.542	1755.402	1755.725	1755.942	1750.987	1759.171
<b>25.0</b>	1745.817	1739.677	1734.507	1737.415	1740.108	1742.262	1740.431	1742.262	1738.062	1741.939
<b>27.5</b>	1739.462	1725.783	1721.582	1722.660	1722.337	1723.306	1723.090	1723.737	1717.598	1718.889
<b>30.0</b>	1725.030	1708.981	1701.764	1708.765	1709.627	1706.612	1702.842	1704.457	1693.901	1698.211
<b>32.5</b>	1696.594	1688.301	1681.516	1685.501	1685.932	1679.146	1679.793	1679.900	1671.176	1676.776
<b>35.0</b>	1658.036	1657.927	1659.436	1655.558	1662.020	1652.866	1654.158	1654.267	1643.495	1643.280
<b>37.5</b>	1613.230	1624.538	1630.786	1623.031	1629.062	1624.324	1620.338	1625.831	1617.538	1615.061
<b>40.0</b>	1567.455	1583.287	1592.873	1585.549	1595.350	1592.119	1593.626	1592.119	1593.196	1588.888
<b>42.5</b>	1529.111	1541.281	1546.882	1549.575	1549.468	1551.944	1555.930	1555.176	1555.283	1558.192
<b>45.0</b>	1486.136	1495.937	1496.799	1497.768	1505.738	1496.475	1508.324	1510.369	1512.201	1511.017
<b>47.5</b>	1438.530	1446.069	1439.823	1448.331	1448.116	1444.238	1462.332	1461.687	1467.072	1464.163
<b>50.0</b>	1218.916	1266.953	1301.097	1386.938	1390.600	1385.538	1403.741	1407.618	1413.542	1415.804
<b>52.5</b>	1136.736	1144.275	1145.784	1157.416	1172.172	1309.497	1339.762	1343.532	1353.225	1353.549
<b>55.0</b>	1055.741	1065.649	1074.804	1087.836	1084.498	1104.747	1144.491	1272.123	1284.724	1281.278
<b>57.5</b>	973.129	984.008	998.979	1005.765	1012.766	1031.506	1039.368	1042.492	1188.542	1156.123
<b>60.0</b>	900.211	900.751	905.813	921.322	930.154	950.296	956.758	971.729	935.109	1028.383
<b>62.5</b>	794.014	802.738	822.340	828.910	843.666	859.284	866.823	846.682	833.218	833.649
<b>65.0</b>	628.791	629.222	635.361	652.379	707.417	758.901	742.207	735.314	740.698	755.992
<b>67.5</b>	527.978	532.716	537.133	546.934	577.739	576.553	543.164	632.022	641.285	658.734
<b>70.0</b>	385.482	423.933	449.890	457.000	467.124	446.875	446.875	455.707	482.419	511.929
<b>72.5</b>	304.271	314.826	318.919	322.796	308.688	311.272	367.710	368.357	343.476	358.663
<b>75.0</b>	190.964	197.964	200.226	207.551	229.415	233.724	226.831	225.861	269.913	272.390
<b>77.5</b>	101.782	106.845	108.030	110.723	134.956	125.478	133.556	135.926	154.020	158.113
<b>80.0</b>	29.727	30.157	30.588	46.961	45.883	40.067	61.177	61.824	77.764	79.918
<b>82.5</b>	6.248	6.355	6.462	6.462	6.677	6.893	9.479	11.739	18.418	26.064
<b>85.0</b>	4.524	4.524	4.631	4.631	4.631	4.739	4.739	4.846	4.631	4.739
<b>87.5</b>	2.586	2.586	2.693	2.693	2.800	2.908	3.016	3.231	3.231	3.231
<b>90.0</b>	1.938	1.938	1.938	2.046	1.938	1.938	1.938	1.938	2.046	1.938
<b>92.5</b>	2.046	2.155	2.155	2.155	2.155	2.155	2.155	2.046	2.046	2.155
<b>95.0</b>	2.262	2.155	2.262	2.155	2.262	2.262	2.155	2.262	2.262	2.262
<b>97.5</b>	2.369	2.369	2.369	2.262	2.262	2.369	2.369	2.262	2.369	2.369
<b>100.0</b>	2.586	2.586	2.586	2.586	2.586	2.586	2.586	2.693	2.586	2.693
<b>102.5</b>	2.693	2.800	2.693	2.693	2.693	2.693	2.693	2.693	2.800	2.693
<b>105.0</b>	2.800	2.800	2.693	2.800	2.800	2.800	2.800	2.800	2.800	2.800
<b>107.5</b>	2.908	2.908	2.908	2.908	2.908	2.908	2.908	2.908	2.908	3.016
<b>110.0</b>	3.016	3.016	3.016	3.016	3.016	2.908	3.016	3.016	3.016	3.016
<b>112.5</b>	3.231	3.016	3.124	3.016	3.124	3.016	3.124	3.016	3.016	3.016
<b>115.0</b>	3.231	3.124	3.016	3.124	3.124	3.124	3.124	3.016	3.016	3.124
<b>117.5</b>	3.231	3.231	3.231	3.124	3.124	3.231	3.124	3.124	3.124	3.124
<b>120.0</b>	3.231	3.231	3.231	3.231	3.231	3.231	3.231	3.231	3.231	3.231
<b>122.5</b>	3.339	3.446	3.446	3.339	3.339	3.339	3.339	3.339	3.339	3.339
<b>125.0</b>	3.770	3.662	3.662	3.662	3.555	3.662	3.555	3.555	3.662	3.446
<b>127.5</b>	4.093	4.093	3.986	3.877	3.986	3.877	3.877	3.986	3.877	3.877
<b>130.0</b>	4.417	4.417	4.417	4.308	4.308	4.308	4.308	4.308	4.308	4.200

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132.5	4.846	4.955	4.955	4.846	4.739	4.739	4.739	4.739	4.739	4.631
135.0	5.277	5.277	5.277	5.277	5.277	5.277	5.277	5.170	5.170	5.170
137.5	5.817	5.817	5.817	5.817	5.708	5.817	5.817	5.817	5.817	5.708
140.0	6.570	6.570	6.570	6.570	6.462	6.462	6.462	6.462	6.462	6.462
142.5	7.432	7.432	7.432	7.324	7.324	7.324	7.217	7.324	7.324	7.217
145.0	8.617	8.617	8.508	8.401	8.508	8.508	8.401	8.401	8.293	8.293
147.5	10.125	10.017	10.017	9.908	9.908	10.017	9.801	10.017	9.801	9.801
150.0	12.063	12.063	12.170	11.956	12.063	11.848	11.848	12.063	11.848	11.848
152.5	15.294	15.079	14.756	14.971	14.971	14.756	14.971	14.971	14.756	14.863
155.0	18.633	18.849	18.633	18.742	18.742	18.525	18.633	18.849	18.525	18.633
157.5	22.511	22.726	22.402	22.511	22.618	22.402	22.402	22.618	22.295	22.402
160.0	26.388	26.495	26.281	26.388	26.173	26.281	26.388	26.173	26.173	26.281
162.5	29.619	29.619	29.512	29.512	29.296	29.404	29.512	29.619	29.404	29.512
165.0	31.666	31.558	31.666	31.666	31.558	31.558	31.450	31.558	31.558	31.236
167.5	32.850	32.850	32.958	32.850	32.850	32.743	32.743	32.743	32.743	32.636
170.0	33.389	33.389	33.389	33.389	33.389	33.281	33.281	33.174	33.174	33.067
172.5	33.281	33.281	33.281	33.496	33.281	33.174	33.281	33.174	33.174	33.174
175.0	32.636	32.527	32.636	32.527	32.636	32.636	32.636	32.527	32.636	32.527
177.5	31.558	31.450	31.450	31.558	31.558	31.666	31.774	31.666	31.774	31.666
180.0	30.031	30.031	30.031	30.031	30.031	30.031	30.031	30.031	30.031	30.031

**Vert. Horizontal Angles**

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	<u>95</u>
0.0	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437
2.5	1800.101	1794.824	1795.253	1796.977	1793.315	1796.008	1794.069	1803.008	1815.718	1809.256
5.0	1802.686	1797.946	1799.670	1802.363	1795.900	1797.300	1796.546	1803.116	1824.874	1813.240
7.5	1801.070	1795.362	1798.593	1801.717	1796.546	1793.531	1793.207	1798.808	1827.781	1812.380
10.0	1796.762	1791.161	1795.793	1792.993	1794.715	1789.222	1787.930	1792.669	1826.165	1809.687
12.5	1791.914	1787.176	1790.407	1784.914	1786.530	1782.759	1783.945	1787.930	1816.580	1803.870
15.0	1782.652	1779.206	1780.821	1771.774	1777.267	1772.636	1774.251	1781.899	1797.624	1794.176
17.5	1772.096	1768.219	1770.158	1764.234	1769.189	1765.634	1763.157	1770.481	1781.252	1781.899
20.0	1761.650	1760.249	1757.342	1756.049	1757.557	1757.664	1750.771	1757.880	1763.803	1766.819
22.5	1748.617	1747.970	1741.831	1739.786	1741.831	1740.324	1733.107	1745.063	1742.370	1745.063
25.0	1731.923	1730.414	1724.490	1721.690	1725.137	1722.337	1716.198	1729.123	1721.475	1727.183
27.5	1712.967	1713.720	1708.226	1707.150	1705.426	1702.842	1699.826	1706.612	1699.718	1708.119
30.0	1695.518	1689.486	1687.224	1689.163	1686.577	1675.914	1680.762	1684.208	1684.855	1689.486
32.5	1672.145	1669.883	1664.068	1663.313	1657.605	1655.667	1655.558	1655.774	1660.082	1668.375
35.0	1647.050	1641.880	1637.356	1635.525	1629.170	1630.570	1632.508	1624.216	1631.863	1642.849
37.5	1612.261	1609.783	1611.830	1607.306	1598.258	1601.920	1603.213	1594.812	1600.520	1613.552
40.0	1583.072	1582.856	1578.010	1574.024	1570.255	1565.946	1564.116	1559.054	1570.793	1577.579
42.5	1546.129	1546.667	1540.528	1535.788	1532.019	1527.495	1525.987	1516.510	1535.357	1541.712
45.0	1507.138	1507.462	1502.400	1489.151	1490.875	1479.781	1484.198	1481.936	1488.720	1499.383
47.5	1461.363	1463.303	1450.916	1439.499	1442.407	1430.882	1435.513	1438.422	1444.776	1449.193
50.0	1408.480	1409.341	1395.231	1394.155	1352.687	1322.961	1318.329	1310.036	1308.205	1333.192
52.5	1355.165	1346.441	1295.818	1249.074	1236.687	1232.703	1237.872	1242.073	1240.134	1244.335
55.0	1284.079	1195.974	1190.590	1188.759	1176.910	1165.924	1173.033	1167.540	1178.956	1183.265
57.5	1134.043	1128.873	1118.856	1122.087	1104.854	1109.917	1101.947	1105.716	1111.102	1120.580
60.0	1051.862	1053.909	1045.616	1047.231	1027.845	1036.461	1030.645	1031.615	1050.678	1043.678
62.5	965.590	960.528	969.360	958.804	946.310	956.220	948.680	957.297	958.589	963.759
65.0	764.933	871.023	872.316	860.468	797.245	782.920	784.104	795.305	794.014	802.953
67.5	665.627	616.835	693.200	704.078	706.664	699.985	699.878	704.725	710.648	708.602
70.0	516.560	521.084	551.243	603.265	611.344	606.281	605.311	616.082	621.575	618.344
72.5	415.425	427.272	435.781	453.121	460.015	458.722	459.153	468.094	481.988	472.509
75.0	256.557	304.809	313.857	316.550	366.095	368.357	368.141	377.943	383.975	389.575
77.5	180.839	171.254	206.365	213.690	225.861	251.171	258.281	260.005	259.465	265.174

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80.0	85.195	92.843	105.230	133.125	139.157	155.098	164.683	164.468	173.407	171.576
82.5	27.034	36.727	44.052	54.607	59.562	61.177	79.488	78.518	75.718	87.350
85.0	5.386	5.817	6.031	7.108	6.786	9.048	8.508	8.508	12.279	11.956
87.5	3.446	3.446	3.662	3.877	3.877	4.093	4.093	3.986	4.308	4.417
90.0	2.046	2.046	2.046	2.046	2.046	2.262	2.262	2.046	2.693	2.693
92.5	2.155	2.046	2.155	2.155	2.155	2.046	2.046	2.046	2.369	2.369
95.0	2.262	2.262	2.262	2.262	2.262	2.262	2.155	2.155	2.477	2.477
97.5	2.477	2.369	2.369	2.369	2.369	2.369	2.262	2.369	2.693	2.800
100.0	2.586	2.586	2.586	2.586	2.586	2.586	2.477	2.586	2.908	2.800
102.5	2.693	2.693	2.693	2.800	2.693	2.693	2.693	2.693	3.016	3.016
105.0	2.800	2.800	2.800	2.908	2.800	2.800	2.693	2.800	3.124	3.124
107.5	2.908	2.908	2.908	2.800	2.800	2.908	2.908	2.800	3.231	3.231
110.0	3.016	3.016	3.016	3.016	2.908	2.908	2.908	2.908	3.231	3.231
112.5	3.016	3.124	3.016	3.016	3.016	3.016	3.016	2.908	3.231	3.231
115.0	3.124	3.016	3.016	3.016	3.016	3.016	3.016	3.016	3.231	3.231
117.5	3.124	3.016	3.016	2.908	3.016	2.908	2.908	3.016	3.231	3.231
120.0	3.124	3.124	3.124	3.016	3.016	3.124	3.016	3.124	3.231	3.231
122.5	3.231	3.231	3.231	3.231	3.231	3.231	3.124	3.231	3.339	3.339
125.0	3.446	3.446	3.446	3.446	3.446	3.446	3.446	3.446	3.555	3.555
127.5	3.877	3.770	3.770	3.877	3.770	3.770	3.770	3.770	3.877	3.877
130.0	4.200	4.200	4.200	4.200	4.200	4.200	4.200	4.200	4.308	4.200
132.5	4.739	4.631	4.631	4.739	4.739	4.631	4.631	4.631	4.846	4.846
135.0	5.170	5.170	5.062	5.062	5.170	5.062	5.062	5.062	5.817	5.817
137.5	5.708	5.708	5.601	5.601	5.708	5.601	5.601	5.601	6.462	6.570
140.0	6.355	6.462	6.355	6.462	6.355	6.355	6.355	6.248	7.432	7.324
142.5	7.217	7.217	7.108	7.217	7.217	7.217	7.217	7.108	8.508	8.401
145.0	8.293	8.293	8.293	8.401	8.186	8.293	8.186	8.186	9.586	9.479
147.5	9.801	9.694	9.801	9.801	9.694	9.801	9.908	9.801	10.663	10.663
150.0	11.956	11.739	11.848	11.956	11.739	11.848	11.956	11.739	12.063	12.170
152.5	14.971	14.649	14.863	14.540	14.756	14.540	14.649	14.756	14.218	14.110
155.0	18.311	18.418	18.525	18.311	18.418	18.202	18.311	18.525	19.280	19.602
157.5	22.080	22.188	22.402	22.080	22.188	21.864	22.080	21.864	24.773	24.988
160.0	26.064	26.173	25.742	26.281	26.064	25.742	25.957	25.742	28.974	28.757
162.5	29.296	29.296	29.081	29.188	29.188	29.296	29.081	28.865	32.312	32.205
165.0	31.450	31.450	31.343	31.343	31.019	31.019	31.127	30.912	34.251	34.143
167.5	32.636	32.527	32.527	32.527	32.312	32.205	31.989	32.096	35.327	35.220
170.0	33.067	32.958	33.067	32.958	32.743	32.636	32.419	32.312	35.005	35.005
172.5	32.958	32.850	32.958	32.958	32.850	32.636	32.419	32.205	33.605	33.389
175.0	32.419	32.419	32.312	32.527	32.312	32.312	32.205	31.989	31.774	31.450
177.5	31.666	31.450	31.343	31.450	31.343	31.558	31.558	31.343	30.374	30.374
180.0	30.031	30.031	30.031	30.031	30.031	30.031	30.031	30.031	30.031	30.031

**Vert.  
Angles**

**Horizontal Angles**

	<u>100</u>	<u>105</u>	<u>110</u>	<u>115</u>	<u>120</u>	<u>125</u>	<u>130</u>	<u>135</u>	<u>140</u>	<u>145</u>
0.0	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437
2.5	1811.518	1806.887	1805.056	1799.777	1807.856	1798.484	1803.332	1799.777	1800.639	1802.577
5.0	1813.780	1809.149	1807.640	1803.116	1809.902	1796.331	1804.301	1798.808	1801.932	1802.039
7.5	1810.009	1806.132	1803.870	1800.639	1806.239	1793.531	1803.008	1797.946	1801.824	1801.608
10.0	1802.901	1799.455	1798.055	1798.484	1802.148	1792.131	1797.300	1792.454	1795.038	1796.869
12.5	1795.900	1792.669	1792.669	1795.469	1795.253	1787.499	1787.392	1783.730	1785.883	1791.376
15.0	1787.821	1782.330	1782.975	1786.745	1785.452	1780.068	1778.344	1774.898	1775.867	1784.375
17.5	1779.098	1772.527	1772.636	1774.036	1772.958	1771.236	1767.574	1763.264	1766.065	1773.713
20.0	1769.512	1763.912	1763.803	1766.281	1759.819	1761.433	1759.064	1753.356	1757.987	1766.065
22.5	1755.187	1747.970	1749.156	1753.787	1746.032	1751.310	1749.479	1743.555	1747.863	1752.710
25.0	1737.846	1733.214	1733.000	1738.277	1733.107	1736.338	1734.831	1729.014	1732.030	1733.000

**IES ROAD REPORT**  
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**9044AMF1X167UAMC.IES**

**CANDELA TABULATION - (Cont.)**

27.5	1718.244	1712.212	1712.750	1718.244	1716.198	1714.796	1718.567	1710.274	1716.305	1711.996
30.0	1698.964	1689.594	1690.886	1695.194	1690.779	1693.148	1700.580	1688.732	1696.163	1691.425
32.5	1671.714	1667.406	1666.652	1670.852	1669.883	1673.007	1678.715	1666.868	1671.283	1664.929
35.0	1648.019	1642.957	1639.294	1646.080	1650.604	1650.604	1649.526	1638.110	1643.604	1640.372
37.5	1617.645	1614.092	1610.430	1615.383	1617.861	1616.999	1614.845	1605.798	1611.937	1605.044
40.0	1580.271	1587.811	1582.103	1581.456	1585.873	1587.811	1579.625	1576.286	1577.579	1571.224
42.5	1542.682	1544.405	1540.959	1548.067	1545.805	1548.067	1551.730	1542.358	1537.728	1533.204
45.0	1497.230	1501.430	1505.092	1507.569	1507.247	1509.724	1508.969	1499.383	1491.629	1490.229
47.5	1449.516	1452.208	1455.439	1462.117	1461.579	1457.163	1459.425	1456.732	1442.623	1442.838
50.0	1356.026	1397.493	1405.032	1402.879	1408.694	1408.156	1408.049	1406.432	1391.785	1393.616
52.5	1251.012	1252.305	1276.431	1333.838	1350.856	1356.026	1347.732	1342.240	1332.978	1333.085
55.0	1191.666	1194.359	1197.805	1193.281	1232.594	1286.772	1279.231	1277.509	1272.447	1263.937
57.5	1127.149	1127.473	1132.966	1134.581	1136.197	1141.691	1204.806	1202.975	1139.859	1038.292
60.0	1055.633	1045.940	1059.941	1061.018	1063.710	1063.818	1047.985	1032.906	969.360	964.297
62.5	971.298	967.959	982.177	987.347	982.499	980.561	872.639	840.758	896.980	883.948
65.0	818.785	862.838	889.118	899.997	890.088	819.216	766.117	759.654	759.009	794.445
67.5	712.479	722.711	718.834	740.160	736.390	684.045	689.753	675.535	670.151	681.783
70.0	621.790	628.145	624.590	628.038	541.979	548.227	594.757	585.709	577.739	506.868
72.5	478.433	517.638	536.056	466.154	459.907	455.814	455.383	440.735	435.674	419.840
75.0	387.097	392.806	337.876	337.660	357.370	348.646	329.582	315.581	322.258	346.277
77.5	264.312	263.989	242.556	256.234	232.539	222.521	223.383	208.196	208.413	208.627
80.0	168.992	151.543	155.420	147.774	146.050	125.370	139.803	138.080	112.769	123.863
82.5	73.563	76.580	76.149	65.377	70.548	60.315	61.824	65.055	53.100	57.946
85.0	18.202	17.771	21.218	18.202	20.142	21.757	17.341	15.402	12.709	7.863
87.5	4.631	4.631	4.631	4.739	4.631	4.739	4.739	4.631	4.739	4.846
90.0	2.800	2.908	2.908	3.124	3.016	3.124	3.016	3.231	3.231	3.124
92.5	2.369	2.369	2.262	2.262	2.262	2.262	2.262	2.262	2.262	2.262
95.0	2.477	2.477	2.477	2.477	2.477	2.477	2.369	2.477	2.477	2.369
97.5	2.586	2.693	2.693	2.693	2.586	2.586	2.693	2.586	2.586	2.586
100.0	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.693	2.693	2.693
102.5	2.908	2.908	2.908	3.016	2.908	2.908	2.908	2.908	2.800	2.800
105.0	3.124	3.124	3.016	3.016	3.016	3.016	3.016	3.016	3.016	3.016
107.5	3.231	3.124	3.124	3.231	3.124	3.231	3.124	3.124	3.016	3.124
110.0	3.231	3.231	3.231	3.231	3.231	3.231	3.124	3.124	3.231	3.124
112.5	3.231	3.231	3.231	3.231	3.124	3.231	3.124	3.124	3.231	3.231
115.0	3.231	3.231	3.231	3.231	3.231	3.231	3.231	3.231	3.124	3.231
117.5	3.231	3.231	3.231	3.231	3.231	3.124	3.231	3.124	3.231	3.231
120.0	3.231	3.124	3.231	3.231	3.231	3.124	3.231	3.231	3.124	3.231
122.5	3.231	3.231	3.339	3.339	3.231	3.231	3.231	3.231	3.339	3.231
125.0	3.555	3.446	3.555	3.446	3.446	3.446	3.446	3.446	3.446	3.339
127.5	3.770	3.770	3.770	3.770	3.877	3.770	3.770	3.877	3.770	3.770
130.0	4.308	4.308	4.417	4.308	4.200	4.200	4.308	4.308	4.200	4.308
132.5	4.955	4.846	4.846	4.846	4.846	4.846	4.846	4.846	4.846	4.846
135.0	5.817	5.708	5.708	5.708	5.601	5.708	5.601	5.708	5.601	5.708
137.5	6.570	6.462	6.462	6.462	6.462	6.570	6.462	6.462	6.462	6.570
140.0	7.432	7.217	7.324	7.324	7.324	7.432	7.432	7.324	7.324	7.432
142.5	8.293	8.293	8.186	8.293	8.401	8.293	8.293	8.293	8.401	8.401
145.0	9.479	9.479	9.370	9.479	9.370	9.370	9.370	9.263	9.263	9.479
147.5	10.663	10.663	10.555	10.555	10.339	10.555	10.448	10.555	10.663	10.555
150.0	11.848	12.063	11.956	11.956	11.848	11.956	12.063	12.170	12.063	12.170
152.5	14.325	14.110	14.325	14.218	14.432	14.218	14.110	14.432	14.325	14.432
155.0	19.280	18.956	19.280	19.064	19.495	19.171	18.849	19.280	19.064	19.387
157.5	24.773	24.557	24.664	24.450	24.773	24.664	24.342	24.233	24.450	24.773
160.0	28.865	28.757	28.865	28.650	28.543	28.757	28.543	28.757	28.650	28.435
162.5	31.989	31.989	32.096	31.989	31.881	31.989	31.881	31.989	31.989	31.774
165.0	34.251	34.143	33.927	34.036	33.927	34.036	33.820	33.927	33.820	33.496

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**CANDELA TABULATION - (Cont.)**

<b>167.5</b>	35.112	35.005	35.005	34.896	34.789	34.681	34.574	34.358	34.143	34.036
<b>170.0</b>	34.896	34.789	34.574	34.358	34.251	33.927	33.605	33.496	33.281	32.636
<b>172.5</b>	33.174	32.850	32.743	32.419	32.205	31.881	31.774	31.450	31.236	31.127
<b>175.0</b>	31.343	31.019	31.019	30.805	30.696	30.696	30.481	30.481	30.374	30.374
<b>177.5</b>	30.050	29.943	29.943	29.943	29.835	29.835	29.619	29.619	29.619	29.512
<b>180.0</b>	30.031	30.031	30.031	30.031	30.031	30.031	30.031	30.031	30.031	30.031

**Vert. Horizontal Angles**  
**Angles**

	<b>150</b>	<b>155</b>	<b>160</b>	<b>165</b>	<b>170</b>	<b>175</b>	<b>180</b>	<b>185</b>	<b>190</b>	<b>195</b>
<b>0.0</b>	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437
<b>2.5</b>	1800.317	1800.962	1805.378	1798.162	1808.394	1793.100	1778.451	1796.546	1796.008	1796.977
<b>5.0</b>	1801.070	1800.639	1804.839	1798.808	1807.856	1794.715	1776.620	1796.438	1797.408	1793.962
<b>7.5</b>	1799.670	1800.855	1803.655	1796.331	1803.548	1796.008	1775.758	1794.500	1796.115	1787.930
<b>10.0</b>	1795.038	1796.546	1796.438	1789.222	1796.655	1793.207	1772.312	1789.007	1790.514	1779.959
<b>12.5</b>	1791.484	1789.545	1789.007	1782.868	1791.914	1788.361	1769.943	1784.699	1786.637	1773.820
<b>15.0</b>	1787.499	1782.652	1783.514	1778.020	1783.514	1780.930	1766.065	1776.944	1779.313	1766.388
<b>17.5</b>	1777.806	1771.020	1774.789	1771.989	1773.065	1774.358	1767.465	1765.850	1768.543	1756.264
<b>20.0</b>	1766.281	1762.081	1762.834	1762.726	1762.295	1763.481	1766.065	1755.402	1755.187	1746.894
<b>22.5</b>	1752.602	1749.801	1750.663	1751.525	1749.263	1747.863	1753.140	1745.386	1739.355	1736.015
<b>25.0</b>	1738.384	1732.892	1737.200	1734.938	1732.138	1728.152	1735.045	1730.738	1719.320	1719.536
<b>27.5</b>	1721.044	1714.258	1716.844	1715.874	1712.750	1704.995	1712.967	1711.996	1700.687	1698.425
<b>30.0</b>	1698.102	1691.425	1694.010	1694.656	1694.225	1683.993	1690.779	1689.594	1677.962	1672.683
<b>32.5</b>	1672.576	1665.791	1667.621	1663.206	1664.606	1658.467	1663.098	1659.113	1651.574	1644.033
<b>35.0</b>	1644.249	1634.448	1638.756	1631.001	1631.217	1624.647	1628.955	1626.046	1619.800	1613.014
<b>37.5</b>	1614.523	1602.136	1601.382	1601.489	1600.412	1592.335	1590.719	1591.042	1584.904	1579.841
<b>40.0</b>	1571.870	1567.238	1562.069	1566.808	1570.039	1557.437	1550.437	1550.652	1552.914	1544.944
<b>42.5</b>	1531.157	1526.633	1529.326	1527.926	1528.142	1521.679	1513.924	1510.478	1505.845	1500.461
<b>45.0</b>	1492.706	1483.443	1481.074	1482.043	1482.150	1474.935	1463.087	1458.024	1454.148	1455.655
<b>47.5</b>	1438.314	1434.113	1441.868	1431.098	1428.620	1416.666	1409.880	1400.401	1401.263	1404.172
<b>50.0</b>	1382.953	1378.429	1383.384	1370.136	1367.119	1347.732	1346.010	1336.100	1343.317	1341.810
<b>52.5</b>	1336.209	1307.128	1245.411	1148.584	1148.584	1124.673	1119.503	1120.149	1134.259	1174.217
<b>55.0</b>	1158.923	1089.991	1087.083	1069.742	1067.480	1067.911	1062.849	1054.124	1051.433	1051.324
<b>57.5</b>	1035.922	1026.121	1016.320	1000.810	1001.025	1000.486	990.471	990.793	992.193	981.854
<b>60.0</b>	961.173	946.741	941.786	932.093	930.909	931.554	921.322	919.815	920.784	908.290
<b>62.5</b>	880.717	878.133	866.715	872.747	854.545	851.528	846.897	840.651	843.235	830.957
<b>65.0</b>	807.046	786.689	787.873	785.182	775.596	737.790	707.956	724.435	753.085	747.377
<b>67.5</b>	704.616	621.252	623.298	619.744	605.958	605.419	596.588	592.387	591.094	583.663
<b>70.0</b>	532.502	548.119	523.993	521.193	509.452	507.837	498.789	495.020	495.343	495.451
<b>72.5</b>	419.947	444.721	438.904	433.843	378.158	370.081	372.665	360.278	382.897	392.159
<b>75.0</b>	299.425	293.501	311.272	317.412	307.826	298.887	297.594	287.469	292.746	287.038
<b>77.5</b>	231.138	220.476	192.471	194.733	193.871	187.302	188.271	179.763	179.224	171.793
<b>80.0</b>	119.555	133.664	117.615	109.538	107.921	103.399	103.614	98.982	97.582	93.167
<b>82.5</b>	45.775	47.283	52.345	46.421	48.576	31.989	33.281	38.775	29.619	39.958
<b>85.0</b>	6.462	6.677	6.786	6.677	6.677	6.462	6.462	6.786	6.462	6.462
<b>87.5</b>	4.955	4.955	4.955	5.062	4.955	4.955	4.739	4.846	4.846	4.739
<b>90.0</b>	3.231	3.231	3.124	3.016	3.124	3.124	3.016	3.124	2.908	2.908
<b>92.5</b>	2.155	2.155	2.155	2.155	2.155	2.155	2.262	2.155	2.262	2.262
<b>95.0</b>	2.369	2.262	2.262	2.262	2.369	2.369	2.369	2.477	2.369	2.369
<b>97.5</b>	2.586	2.477	2.477	2.477	2.477	2.477	2.477	2.477	2.477	2.586
<b>100.0</b>	2.586	2.693	2.693	2.586	2.586	2.586	2.693	2.693	2.693	2.800
<b>102.5</b>	2.800	2.693	2.693	2.800	2.800	2.693	2.800	2.908	2.800	2.908
<b>105.0</b>	2.908	2.908	2.908	2.908	2.908	2.908	2.908	3.016	3.016	3.016
<b>107.5</b>	3.124	3.016	2.908	3.016	3.016	3.016	3.016	3.124	3.016	3.124
<b>110.0</b>	3.124	3.124	3.124	3.016	3.016	3.124	3.124	3.231	3.231	3.339
<b>112.5</b>	3.124	3.231	3.124	3.231	3.231	3.124	3.231	3.231	3.231	3.231

**IES ROAD REPORT**  
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**CANDELA TABULATION - (Cont.)**

115.0	3.124	3.124	3.231	3.231	3.124	3.231	3.231	3.231	3.231	3.339
117.5	3.231	3.231	3.231	3.231	3.231	3.231	3.231	3.231	3.231	3.339
120.0	3.231	3.124	3.231	3.231	3.231	3.231	3.231	3.124	3.231	3.231
122.5	3.231	3.231	3.339	3.339	3.339	3.339	3.339	3.339	3.231	3.339
125.0	3.339	3.339	3.446	3.446	3.555	3.555	3.662	3.555	3.555	3.555
127.5	3.770	3.877	3.877	3.770	3.877	3.877	3.986	3.877	3.877	3.986
130.0	4.308	4.308	4.308	4.308	4.308	4.417	4.417	4.417	4.417	4.417
132.5	4.955	4.846	4.955	4.846	4.846	4.955	4.955	5.062	4.955	4.955
135.0	5.708	5.817	5.817	5.817	5.817	5.817	5.817	5.924	5.817	5.924
137.5	6.570	6.570	6.570	6.570	6.570	6.677	6.570	6.570	6.570	6.570
140.0	7.539	7.432	7.432	7.539	7.432	7.539	7.539	7.539	7.539	7.539
142.5	8.401	8.293	8.293	8.401	8.508	8.401	8.401	8.401	8.508	8.401
145.0	9.370	9.586	9.479	9.586	9.586	9.586	9.479	9.479	9.586	9.479
147.5	10.448	10.663	10.663	10.663	10.770	10.663	10.555	10.663	10.770	10.663
150.0	12.063	12.063	12.170	12.170	12.279	12.170	12.387	12.279	12.387	12.170
152.5	14.432	14.540	14.432	14.325	14.325	14.432	14.649	14.540	14.325	14.218
155.0	19.280	18.849	19.280	19.171	19.495	19.171	18.956	19.387	19.171	19.495
157.5	24.557	24.342	24.664	24.557	24.880	24.664	24.557	24.773	24.557	24.880
160.0	28.650	28.435	28.326	28.543	28.865	28.757	28.650	28.865	28.650	28.974
162.5	31.774	31.558	31.558	31.558	31.127	31.236	31.127	31.450	31.774	31.989
165.0	33.281	33.174	32.958	32.850	32.312	32.096	32.096	32.312	33.067	33.281
167.5	33.496	33.281	33.067	32.850	32.743	32.743	32.636	32.850	33.067	33.174
170.0	32.312	32.096	32.096	32.096	32.312	31.989	32.096	32.205	32.205	31.989
172.5	31.019	30.912	30.912	30.805	30.696	30.805	30.912	31.019	30.912	30.805
175.0	30.374	30.050	30.265	29.943	29.835	29.835	29.727	29.835	29.619	29.727
177.5	29.619	29.619	29.619	29.512	29.512	29.404	29.404	29.404	29.296	29.188
180.0	30.031	30.031	30.031	30.031	30.031	30.031	30.031	30.031	30.031	30.031

**Vert.  
Angles**

**Horizontal Angles**

	<u>200</u>	<u>205</u>	<u>210</u>	<u>215</u>	<u>220</u>	<u>225</u>	<u>230</u>	<u>235</u>	<u>240</u>	<u>245</u>
0.0	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437
2.5	1799.346	1787.821	1793.422	1793.207	1792.993	1796.331	1794.931	1792.776	1786.637	1790.192
5.0	1796.224	1788.361	1789.869	1789.652	1787.176	1790.083	1789.761	1792.238	1783.299	1785.668
7.5	1791.807	1790.407	1787.930	1785.992	1784.268	1784.375	1782.437	1787.283	1776.298	1776.836
10.0	1784.052	1787.068	1783.945	1775.220	1779.528	1779.313	1777.482	1779.637	1770.374	1770.589
12.5	1776.620	1777.051	1774.898	1761.973	1771.882	1770.589	1765.957	1770.050	1763.157	1763.373
15.0	1765.634	1765.526	1765.526	1753.033	1760.680	1762.295	1751.849	1757.342	1750.125	1750.663
17.5	1754.542	1758.202	1756.371	1742.801	1748.294	1748.509	1739.031	1742.155	1737.200	1736.231
20.0	1744.308	1745.170	1741.400	1731.169	1730.845	1735.154	1728.583	1725.137	1724.168	1718.027
22.5	1730.199	1723.844	1725.352	1717.489	1710.812	1716.198	1711.243	1705.642	1710.274	1700.149
25.0	1710.596	1705.642	1711.136	1703.811	1690.994	1696.594	1691.317	1684.639	1690.025	1680.438
27.5	1693.256	1687.439	1687.224	1690.456	1673.761	1671.823	1670.530	1663.851	1662.129	1654.374
30.0	1668.483	1666.330	1661.589	1664.498	1650.926	1649.957	1650.712	1640.587	1639.942	1629.277
32.5	1641.987	1641.771	1632.939	1636.710	1626.800	1624.969	1618.938	1612.475	1614.414	1598.474
35.0	1609.891	1610.644	1606.875	1601.489	1592.335	1590.611	1590.504	1584.473	1579.194	1571.655
37.5	1573.379	1573.594	1570.039	1568.424	1559.054	1552.483	1554.530	1545.698	1543.329	1532.988
40.0	1538.697	1534.388	1531.373	1533.312	1524.694	1513.817	1512.631	1509.400	1504.985	1500.568
42.5	1491.951	1492.060	1481.719	1487.860	1483.551	1471.380	1470.626	1468.473	1461.794	1460.179
45.0	1447.038	1442.085	1439.823	1438.961	1433.253	1430.022	1425.390	1420.004	1422.805	1414.080
47.5	1396.848	1388.661	1389.631	1385.754	1382.523	1373.582	1375.091	1374.875	1363.781	1362.381
50.0	1337.609	1333.192	1333.085	1327.699	1322.961	1314.236	1314.882	1311.328	1303.357	1279.986
52.5	1256.182	1269.106	1269.430	1264.475	1263.075	1261.675	1253.705	1252.412	1164.524	1158.816
55.0	1051.002	1057.894	1173.572	1191.559	1188.219	1190.266	1148.584	1108.840	1102.809	1094.730
57.5	981.854	973.884	978.408	1002.426	1096.992	1063.280	1044.108	1035.708	1036.999	1022.352
60.0	910.336	898.704	901.935	889.872	860.145	953.849	948.788	956.004	957.511	946.095



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME :**  
**9044AMF1X167UAMC.IES**

**CANDELA TABULATION - (Cont.)**

62.5	831.388	820.724	815.232	796.598	759.332	763.102	859.822	867.146	869.192	865.208
65.0	743.822	735.205	729.820	683.398	679.521	680.167	671.873	766.440	768.810	698.263
67.5	579.784	578.815	601.110	600.895	603.265	590.663	590.125	535.518	607.034	605.741
70.0	488.881	463.031	453.014	451.614	504.606	490.712	455.922	453.230	462.922	520.546
72.5	398.838	374.927	368.680	369.326	333.568	338.307	375.789	370.188	366.310	379.665
75.0	266.358	256.342	248.371	260.434	263.558	255.050	239.217	261.619	263.451	265.496
77.5	161.237	182.778	167.269	169.207	159.837	149.389	170.715	165.114	161.775	173.193
80.0	89.289	93.813	93.596	87.027	86.596	87.027	90.365	84.119	88.427	91.551
82.5	34.896	33.712	35.005	31.343	40.606	33.067	35.220	34.789	37.589	33.174
85.0	6.462	6.355	6.248	6.031	6.031	8.293	7.539	7.863	6.248	6.139
87.5	4.631	4.631	4.631	4.417	4.524	4.524	4.417	4.308	4.200	4.200
90.0	2.908	2.693	2.800	2.586	2.586	2.477	2.477	2.586	2.586	2.477
92.5	2.369	2.369	2.477	2.369	2.586	2.586	2.586	2.586	2.586	2.586
95.0	2.477	2.586	2.586	2.586	2.693	2.800	2.800	2.800	2.908	2.908
97.5	2.693	2.693	2.693	2.800	2.908	2.800	3.016	3.016	3.124	3.124
100.0	2.800	2.908	2.908	3.016	3.124	3.124	3.124	3.231	3.231	3.231
102.5	3.016	3.016	3.124	3.124	3.231	3.231	3.231	3.231	3.339	3.339
105.0	3.124	3.124	3.231	3.339	3.231	3.231	3.231	3.339	3.339	3.339
107.5	3.124	3.231	3.339	3.339	3.339	3.339	3.339	3.339	3.446	3.446
110.0	3.231	3.231	3.339	3.339	3.339	3.339	3.446	3.446	3.555	3.555
112.5	3.231	3.339	3.339	3.339	3.339	3.446	3.446	3.446	3.555	3.555
115.0	3.339	3.339	3.339	3.339	3.339	3.446	3.446	3.446	3.555	3.555
117.5	3.339	3.231	3.339	3.339	3.339	3.446	3.446	3.446	3.446	3.555
120.0	3.231	3.231	3.339	3.339	3.339	3.339	3.446	3.446	3.555	3.555
122.5	3.339	3.339	3.446	3.446	3.446	3.446	3.555	3.555	3.555	3.662
125.0	3.555	3.662	3.662	3.770	3.662	3.662	3.770	3.770	3.770	3.877
127.5	3.986	3.877	3.986	3.986	4.093	3.986	4.093	3.986	4.093	4.093
130.0	4.417	4.417	4.417	4.417	4.524	4.524	4.524	4.631	4.524	4.524
132.5	5.062	4.955	5.062	5.062	5.062	5.170	5.062	5.062	5.170	5.170
135.0	5.817	5.924	5.924	5.924	5.924	5.924	5.817	5.817	5.924	6.031
137.5	6.677	6.677	6.786	6.677	6.677	6.570	6.677	6.570	6.786	6.677
140.0	7.539	7.539	7.539	7.648	7.648	7.648	7.648	7.648	7.648	7.648
142.5	8.508	8.508	8.401	8.508	8.508	8.508	8.508	8.508	8.617	8.508
145.0	9.479	9.586	9.479	9.586	9.586	9.586	9.586	9.586	9.801	9.586
147.5	10.555	10.663	10.663	10.770	10.770	10.663	10.663	10.555	10.770	10.879
150.0	12.170	12.170	12.279	12.279	12.387	12.279	12.387	12.387	12.170	12.387
152.5	14.325	14.649	14.540	14.432	14.649	14.540	14.432	14.649	14.540	14.756
155.0	19.280	19.064	19.495	19.280	19.711	19.495	19.280	19.711	19.495	19.926
157.5	24.773	24.450	24.233	24.664	24.988	24.880	24.664	24.450	24.880	24.773
160.0	28.326	28.543	28.865	28.757	28.650	28.865	28.865	28.650	28.865	28.757
162.5	31.881	31.881	31.989	31.989	31.774	32.096	31.989	32.205	32.096	31.989
165.0	33.496	33.605	33.820	33.820	33.820	33.927	33.820	34.143	34.143	34.143
167.5	33.496	33.927	34.251	34.467	34.574	34.789	34.789	34.789	34.896	35.005
170.0	31.989	32.527	33.067	33.389	33.712	33.927	34.251	34.574	34.681	34.896
172.5	30.805	30.912	31.127	31.343	31.774	32.096	32.205	32.527	32.636	32.958
175.0	29.835	29.835	29.943	29.943	30.050	30.374	30.374	30.696	31.019	31.019
177.5	29.188	29.296	29.296	29.404	29.404	29.512	29.619	29.619	29.835	29.943
180.0	30.031	30.031	30.031	30.031	30.031	30.031	30.031	30.031	30.031	30.031

**Vert. Angles**      **Horizontal Angles**

	<u>250</u>	<u>255</u>	<u>260</u>	<u>265</u>	<u>270</u>	<u>275</u>	<u>280</u>	<u>285</u>	<u>290</u>	<u>295</u>
0.0	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437
2.5	1790.407	1792.669	1790.945	1795.253	1799.993	1805.917	1806.025	1806.348	1805.270	1795.685
5.0	1788.038	1788.469	1788.252	1786.961	1792.023	1798.700	1801.393	1801.177	1799.886	1793.638
7.5	1781.790	1782.868	1782.006	1778.237	1782.437	1790.838	1794.931	1792.669	1791.484	1790.945

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME :**  
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**CANDELA TABULATION - (Cont.)**

10.0	1770.374	1774.036	1775.436	1768.650	1768.865	1783.299	1786.637	1784.483	1781.575	1783.730
12.5	1757.880	1759.711	1765.096	1759.171	1761.650	1775.005	1775.867	1777.159	1774.036	1774.789
15.0	1743.017	1744.093	1751.740	1748.939	1750.987	1765.850	1765.526	1765.634	1763.481	1764.343
17.5	1733.107	1731.599	1738.815	1741.293	1738.062	1751.310	1754.325	1752.925	1749.479	1753.787
20.0	1718.027	1715.551	1718.782	1728.799	1720.398	1728.583	1737.738	1736.769	1730.414	1736.769
22.5	1699.502	1699.071	1696.594	1708.765	1696.918	1703.488	1719.967	1717.167	1713.612	1717.382
25.0	1677.423	1678.393	1671.930	1684.100	1674.299	1678.176	1698.964	1694.549	1692.825	1701.873
27.5	1652.650	1651.143	1648.126	1657.712	1650.065	1658.898	1674.083	1669.452	1669.022	1676.561
30.0	1626.800	1628.417	1626.155	1628.308	1629.708	1635.418	1647.481	1644.033	1643.926	1646.942
32.5	1600.089	1600.736	1592.981	1599.767	1612.261	1612.045	1619.045	1615.276	1616.138	1616.461
35.0	1567.347	1567.886	1560.885	1569.608	1585.764	1585.118	1576.394	1581.456	1587.488	1587.488
37.5	1530.835	1530.726	1527.495	1537.297	1553.561	1550.113	1540.636	1545.482	1546.882	1555.068
40.0	1491.844	1496.368	1491.629	1496.368	1518.341	1510.369	1503.585	1504.338	1507.138	1520.063
42.5	1450.378	1452.747	1454.686	1449.300	1471.165	1465.241	1465.241	1463.949	1465.349	1474.935
45.0	1408.911	1403.417	1404.603	1396.417	1411.065	1410.956	1417.850	1416.880	1422.588	1424.959
47.5	1352.903	1348.810	1339.331	1307.128	1319.837	1322.206	1358.288	1361.197	1363.135	1370.998
50.0	1212.777	1210.192	1208.146	1207.715	1205.991	1215.361	1213.854	1221.071	1257.043	1312.836
52.5	1155.046	1158.169	1146.968	1138.567	1143.736	1152.784	1152.030	1159.892	1165.062	1171.955
55.0	1091.715	1083.421	1085.574	1073.404	1082.559	1085.252	1080.836	1086.329	1095.161	1099.899
57.5	1018.043	1010.289	1008.349	996.824	1004.579	1006.734	1007.487	1007.487	1020.952	1022.243
60.0	933.602	926.277	924.984	922.184	926.385	929.508	926.170	929.292	935.971	948.465
62.5	850.128	840.435	817.816	797.998	815.447	804.029	810.815	841.942	842.804	853.898
65.0	688.891	688.784	682.107	683.291	690.615	684.152	669.289	681.783	676.290	701.063
67.5	608.865	605.096	595.187	598.633	602.079	591.847	592.387	589.694	582.801	573.969
70.0	512.038	509.560	484.464	470.139	469.601	457.214	487.050	495.665	484.788	428.672
72.5	380.635	381.927	377.189	378.158	379.989	367.388	369.864	362.325	318.919	309.549
75.0	289.624	266.896	258.174	258.603	260.112	252.141	254.833	244.494	221.121	233.184
77.5	168.883	180.732	172.546	165.438	168.883	162.421	156.820	138.511	141.850	130.432
80.0	89.181	93.705	99.090	93.274	94.243	95.427	79.918	74.640	65.377	54.931
82.5	32.636	35.112	33.712	30.588	29.727	30.696	24.773	19.818	19.926	15.510
85.0	6.139	6.139	5.924	5.386	4.955	4.955	4.955	4.846	4.631	4.524
87.5	4.200	4.093	4.093	3.986	3.446	3.446	3.231	2.908	2.908	3.016
90.0	2.586	2.586	2.586	2.586	2.262	2.262	2.262	2.262	2.262	2.155
92.5	2.800	2.800	2.693	2.800	2.477	2.477	2.477	2.369	2.477	2.477
95.0	2.908	3.016	3.016	3.016	2.586	2.586	2.586	2.586	2.586	2.586
97.5	3.124	3.231	3.124	3.231	2.800	2.693	2.693	2.693	2.693	2.693
100.0	3.231	3.231	3.231	3.339	3.016	3.016	3.016	3.016	3.016	3.016
102.5	3.339	3.339	3.339	3.446	3.231	3.231	3.231	3.231	3.231	3.124
105.0	3.339	3.446	3.446	3.555	3.231	3.231	3.231	3.231	3.231	3.231
107.5	3.555	3.446	3.555	3.555	3.231	3.231	3.339	3.339	3.231	3.339
110.0	3.555	3.662	3.662	3.662	3.339	3.339	3.446	3.339	3.339	3.339
112.5	3.662	3.662	3.662	3.662	3.339	3.339	3.339	3.446	3.339	3.339
115.0	3.662	3.662	3.662	3.770	3.446	3.339	3.446	3.446	3.339	3.446
117.5	3.555	3.555	3.662	3.662	3.446	3.446	3.446	3.446	3.446	3.446
120.0	3.555	3.555	3.555	3.662	3.555	3.555	3.446	3.446	3.555	3.555
122.5	3.662	3.662	3.662	3.662	3.662	3.662	3.662	3.662	3.662	3.662
125.0	3.877	3.877	3.877	3.877	3.986	3.986	3.986	3.986	3.877	3.877
127.5	4.093	4.200	4.200	4.200	4.200	4.308	4.200	4.200	4.200	4.200
130.0	4.631	4.631	4.631	4.631	4.631	4.739	4.631	4.631	4.631	4.631
132.5	5.170	5.062	5.170	5.170	5.170	4.955	5.062	5.062	5.062	5.062
135.0	5.924	6.031	6.031	6.139	5.493	5.493	5.493	5.493	5.493	5.386
137.5	6.786	6.677	6.677	6.786	6.139	6.031	5.924	6.031	6.031	6.031
140.0	7.648	7.648	7.648	7.755	6.677	6.677	6.677	6.677	6.677	6.677
142.5	8.508	8.617	8.617	8.724	7.432	7.432	7.432	7.539	7.539	7.432
145.0	9.586	9.694	9.694	9.694	8.617	8.617	8.724	8.617	8.724	8.617
147.5	10.770	10.770	10.879	10.770	10.125	10.125	10.017	10.017	10.125	10.017

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME :**  
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**CANDELA TABULATION - (Cont.)**

<b>150.0</b>	12.279	12.387	12.279	12.387	12.170	12.279	12.063	12.170	12.279	12.063
<b>152.5</b>	14.649	14.432	14.756	14.649	15.294	15.402	15.187	15.294	14.971	15.187
<b>155.0</b>	19.711	19.495	19.926	19.711	19.064	19.171	18.956	19.064	18.849	18.956
<b>157.5</b>	25.095	24.880	24.773	25.095	22.726	22.402	22.618	22.833	22.618	22.726
<b>160.0</b>	28.974	28.974	29.296	28.865	26.388	26.173	26.281	26.064	26.173	26.388
<b>162.5</b>	32.205	32.205	32.205	32.419	29.404	29.296	29.296	29.404	29.296	29.404
<b>165.0</b>	34.251	34.143	34.251	34.467	31.343	31.236	31.236	31.236	31.236	31.343
<b>167.5</b>	35.220	35.220	35.327	35.543	32.312	32.205	32.312	32.205	32.312	32.205
<b>170.0</b>	35.005	35.220	35.327	35.436	32.527	32.419	32.527	32.527	32.527	32.636
<b>172.5</b>	33.281	33.820	33.712	34.036	32.205	32.312	32.312	32.419	32.419	32.527
<b>175.0</b>	31.343	31.450	31.774	32.205	31.774	31.666	31.774	31.774	31.881	31.989
<b>177.5</b>	30.050	30.157	30.374	30.696	31.127	31.127	31.127	31.127	31.127	31.127
<b>180.0</b>	30.031	30.031	30.031	30.031	30.031	30.031	30.031	30.031	30.031	30.031

**Vert. Angles**      **Horizontal Angles**

	<b>300</b>	<b>305</b>	<b>310</b>	<b>315</b>	<b>320</b>	<b>325</b>	<b>330</b>	<b>335</b>	<b>340</b>	<b>345</b>
<b>0.0</b>	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437	1798.437
<b>2.5</b>	1801.824	1801.393	1799.239	1801.177	1799.886	1802.363	1804.301	1807.748	1806.025	1802.901
<b>5.0</b>	1798.700	1799.239	1795.577	1801.824	1801.070	1799.670	1805.594	1807.209	1803.224	1805.056
<b>7.5</b>	1794.931	1793.638	1790.083	1798.700	1799.346	1794.069	1802.577	1800.639	1799.346	1805.594
<b>10.0</b>	1788.683	1786.207	1782.868	1792.776	1796.115	1788.145	1796.977	1794.069	1795.900	1801.501
<b>12.5</b>	1781.575	1780.282	1772.420	1784.483	1788.899	1782.437	1788.899	1786.207	1793.962	1795.362
<b>15.0</b>	1767.896	1768.865	1762.942	1774.036	1779.421	1774.574	1778.559	1779.744	1788.899	1789.438
<b>17.5</b>	1752.387	1756.264	1754.002	1760.249	1768.543	1764.988	1769.620	1773.496	1777.482	1781.037
<b>20.0</b>	1738.600	1741.617	1744.739	1743.446	1753.571	1749.156	1758.633	1763.264	1766.605	1769.296
<b>22.5</b>	1720.506	1724.813	1728.907	1728.476	1738.169	1734.292	1746.894	1747.647	1751.201	1753.571
<b>25.0</b>	1697.133	1703.273	1709.305	1710.166	1724.599	1720.075	1726.968	1732.138	1732.783	1740.108
<b>27.5</b>	1673.545	1682.486	1692.501	1694.549	1703.704	1703.811	1705.534	1715.227	1714.796	1726.968
<b>30.0</b>	1655.236	1661.267	1668.806	1675.700	1678.715	1680.546	1691.101	1695.625	1692.718	1707.581
<b>32.5</b>	1630.679	1631.217	1635.740	1648.126	1649.743	1656.420	1666.113	1670.099	1671.392	1678.715
<b>35.0</b>	1596.427	1601.489	1604.829	1621.093	1622.600	1631.863	1638.649	1642.311	1644.573	1653.619
<b>37.5</b>	1562.823	1566.485	1573.486	1586.518	1590.611	1597.505	1605.367	1610.430	1611.614	1616.999
<b>40.0</b>	1521.249	1530.295	1537.081	1550.006	1552.699	1561.854	1566.593	1570.470	1573.701	1577.039
<b>42.5</b>	1481.828	1489.582	1495.399	1508.538	1515.863	1516.725	1524.802	1524.480	1525.987	1532.773
<b>45.0</b>	1435.622	1443.054	1448.223	1467.933	1466.425	1469.442	1472.566	1479.135	1481.289	1481.828
<b>47.5</b>	1389.954	1390.923	1396.200	1412.680	1413.218	1420.650	1414.835	1419.142	1425.390	1423.666
<b>50.0</b>	1332.223	1332.869	1340.301	1352.687	1349.994	1354.949	1346.010	1352.687	1311.759	1268.137
<b>52.5</b>	1221.500	1265.875	1278.585	1281.386	1276.431	1282.893	1214.823	1137.812	1130.704	1128.227
<b>55.0</b>	1103.562	1114.117	1186.389	1196.512	1166.786	1060.048	1060.265	1062.527	1054.771	1053.909
<b>57.5</b>	1032.476	1033.015	1041.846	1042.170	976.468	978.730	977.977	979.808	970.652	969.898
<b>60.0</b>	943.833	943.941	889.226	830.417	887.072	880.824	884.271	881.795	886.210	893.858
<b>62.5</b>	847.543	787.120	749.853	737.359	746.191	788.520	800.045	792.828	793.583	796.814
<b>65.0</b>	710.757	661.965	652.164	647.102	649.471	644.947	655.502	617.590	615.328	622.328
<b>67.5</b>	511.391	499.006	543.919	547.258	493.081	482.310	502.451	516.669	510.421	517.746
<b>70.0</b>	420.702	422.857	412.947	397.007	398.300	390.221	397.545	418.440	415.101	403.146
<b>72.5</b>	301.687	302.440	287.469	286.393	280.576	266.896	271.528	262.805	296.086	296.408
<b>75.0</b>	198.612	197.750	190.425	185.148	182.132	177.715	194.302	167.376	175.886	184.287
<b>77.5</b>	121.817	107.707	102.321	106.521	95.644	104.368	96.828	90.150	89.612	98.228
<b>80.0</b>	55.362	43.513	37.158	38.344	39.205	32.205	33.496	26.819	26.604	24.988
<b>82.5</b>	15.618	12.601	11.848	8.724	6.031	5.924	6.139	6.031	6.139	6.031
<b>85.0</b>	4.524	4.417	4.308	4.200	4.200	4.308	4.308	4.524	4.417	4.524
<b>87.5</b>	2.693	2.586	2.693	2.586	2.586	2.369	2.369	2.477	2.369	2.477
<b>90.0</b>	2.262	2.262	2.155	2.155	2.155	2.046	2.046	2.046	2.046	2.046
<b>92.5</b>	2.369	2.369	2.262	2.369	2.262	2.262	2.262	2.155	2.155	2.155
<b>95.0</b>	2.586	2.586	2.477	2.477	2.477	2.369	2.369	2.369	2.262	2.262

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME :**  
**9044AMF1X167UAMC.IES**

**CANDELA TABULATION - (Cont.)**

97.5	2.693	2.693	2.693	2.693	2.586	2.586	2.477	2.586	2.477	2.477
100.0	3.016	3.016	3.016	2.908	2.800	2.800	2.800	2.693	2.693	2.693
102.5	3.124	3.124	3.016	3.016	3.016	3.016	3.016	2.908	2.800	2.800
105.0	3.231	3.231	3.231	3.231	3.124	3.016	3.124	3.016	3.016	2.908
107.5	3.339	3.231	3.124	3.231	3.231	3.124	3.124	3.016	3.124	3.016
110.0	3.339	3.339	3.231	3.339	3.231	3.231	3.231	3.231	3.124	3.124
112.5	3.339	3.339	3.231	3.339	3.231	3.231	3.231	3.231	3.231	3.124
115.0	3.446	3.339	3.339	3.339	3.339	3.339	3.231	3.231	3.339	3.231
117.5	3.446	3.339	3.339	3.339	3.339	3.339	3.339	3.231	3.339	3.231
120.0	3.555	3.555	3.446	3.446	3.339	3.446	3.446	3.446	3.339	3.231
122.5	3.662	3.662	3.555	3.662	3.555	3.555	3.555	3.555	3.555	3.446
125.0	3.986	3.877	3.877	3.877	3.877	3.877	3.877	3.770	3.770	3.770
127.5	4.200	4.093	4.200	4.093	4.093	4.093	4.093	4.093	4.093	4.093
130.0	4.631	4.631	4.631	4.524	4.524	4.417	4.524	4.417	4.417	4.417
132.5	5.062	5.062	4.955	5.062	4.955	4.955	4.955	4.955	4.955	4.955
135.0	5.386	5.386	5.386	5.386	5.386	5.493	5.277	5.277	5.277	5.277
137.5	5.924	5.817	6.031	5.924	6.031	5.924	6.031	5.924	5.924	5.924
140.0	6.677	6.677	6.677	6.570	6.677	6.570	6.677	6.677	6.570	6.570
142.5	7.539	7.539	7.432	7.432	7.432	7.432	7.432	7.432	7.432	7.432
145.0	8.724	8.617	8.617	8.617	8.617	8.617	8.617	8.508	8.617	8.617
147.5	10.125	10.017	10.125	10.125	10.125	10.125	10.125	10.017	10.017	10.125
150.0	12.279	12.063	12.170	11.956	12.063	12.170	11.956	11.956	12.063	12.170
152.5	15.294	14.971	15.079	14.971	15.079	15.187	15.187	14.756	14.971	14.863
155.0	18.742	18.849	18.956	18.633	18.742	18.742	18.956	18.633	18.849	18.633
157.5	22.833	22.618	22.833	22.833	22.833	22.511	22.726	22.511	22.618	22.511
160.0	26.173	26.388	26.495	26.388	26.604	26.604	26.495	26.281	26.495	26.388
162.5	29.296	29.404	29.296	29.512	29.296	29.512	29.404	29.512	29.619	29.512
165.0	31.236	31.450	31.343	31.343	31.343	31.558	31.450	31.558	31.558	31.666
167.5	32.419	32.419	32.419	32.527	32.636	32.743	32.636	32.743	32.743	32.850
170.0	32.636	32.743	32.850	32.850	32.958	32.958	33.067	33.174	33.281	33.281
172.5	32.527	32.527	32.636	32.743	32.743	32.743	32.958	33.174	33.067	33.174
175.0	31.989	32.096	32.205	32.205	32.205	32.205	32.312	32.419	32.419	32.527
177.5	31.236	31.236	31.450	31.343	31.343	31.343	31.450	31.450	31.450	31.343
180.0	30.031	30.031	30.031	30.031	30.031	30.031	30.031	30.031	30.031	30.031

**Vert. Angles**      **Horizontal Angles**

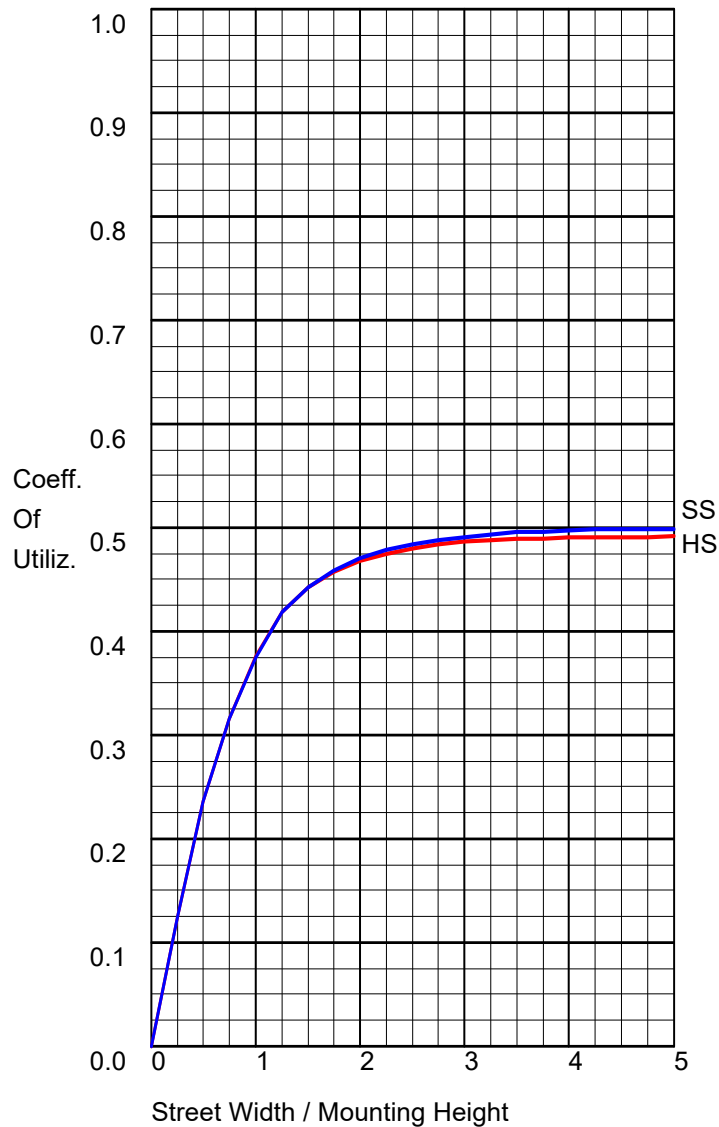
	<b>350</b>	<b>355</b>	<b>360</b>
0.0	1798.437	1798.437	1798.437
2.5	1807.748	1796.438	1797.086
5.0	1804.086	1796.115	1803.439
7.5	1799.131	1794.069	1804.408
10.0	1794.607	1791.376	1800.962
12.5	1792.562	1789.652	1793.531
15.0	1787.283	1787.068	1785.883
17.5	1777.913	1779.744	1775.005
20.0	1767.143	1770.481	1765.204
22.5	1751.740	1756.587	1757.987
25.0	1738.600	1739.677	1745.817
27.5	1722.982	1726.861	1739.462
30.0	1703.704	1709.412	1725.030
32.5	1676.561	1685.717	1696.594
35.0	1648.557	1656.636	1658.036
37.5	1615.168	1619.907	1613.230
40.0	1579.194	1581.994	1567.455
42.5	1536.543	1536.543	1529.111

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME :**  
**9044AMF1X167UAMC.IES**

**CANDELA TABULATION - (Cont.)**

<b>45.0</b>	1492.813	1490.122	1486.136
<b>47.5</b>	1431.851	1442.407	1438.530
<b>50.0</b>	1250.259	1228.717	1218.916
<b>52.5</b>	1129.411	1142.660	1136.736
<b>55.0</b>	1059.079	1056.279	1055.741
<b>57.5</b>	971.083	972.483	973.129
<b>60.0</b>	884.164	886.964	900.211
<b>62.5</b>	783.889	768.057	794.014
<b>65.0</b>	620.821	619.852	628.791
<b>67.5</b>	519.146	525.932	527.978
<b>70.0</b>	376.758	385.051	385.482
<b>72.5</b>	296.408	296.516	304.271
<b>75.0</b>	190.749	191.180	190.964
<b>77.5</b>	103.290	102.430	101.782
<b>80.0</b>	28.004	27.465	29.727
<b>82.5</b>	6.139	6.031	6.248
<b>85.0</b>	4.417	4.417	4.524
<b>87.5</b>	2.477	2.369	2.586
<b>90.0</b>	1.938	1.938	1.938
<b>92.5</b>	2.155	2.155	2.046
<b>95.0</b>	2.155	2.262	2.262
<b>97.5</b>	2.477	2.369	2.369
<b>100.0</b>	2.693	2.693	2.586
<b>102.5</b>	2.693	2.693	2.693
<b>105.0</b>	2.908	2.908	2.800
<b>107.5</b>	3.016	3.016	2.908
<b>110.0</b>	3.124	3.124	3.016
<b>112.5</b>	3.231	3.016	3.231
<b>115.0</b>	3.231	3.231	3.231
<b>117.5</b>	3.124	3.124	3.231
<b>120.0</b>	3.339	3.339	3.231
<b>122.5</b>	3.446	3.446	3.339
<b>125.0</b>	3.770	3.770	3.770
<b>127.5</b>	3.986	4.093	4.093
<b>130.0</b>	4.524	4.417	4.417
<b>132.5</b>	4.846	4.955	4.846
<b>135.0</b>	5.277	5.277	5.277
<b>137.5</b>	5.924	5.924	5.817
<b>140.0</b>	6.677	6.570	6.570
<b>142.5</b>	7.432	7.539	7.432
<b>145.0</b>	8.508	8.508	8.617
<b>147.5</b>	10.125	10.125	10.125
<b>150.0</b>	12.279	12.170	12.063
<b>152.5</b>	15.079	15.187	15.294
<b>155.0</b>	18.849	18.956	18.633
<b>157.5</b>	22.618	22.833	22.511
<b>160.0</b>	26.388	26.281	26.388
<b>162.5</b>	29.943	29.512	29.619
<b>165.0</b>	31.666	31.666	31.666
<b>167.5</b>	32.850	32.958	32.850
<b>170.0</b>	33.281	33.389	33.389
<b>172.5</b>	33.281	33.389	33.281
<b>175.0</b>	32.636	32.636	32.636
<b>177.5</b>	31.450	31.343	31.558
<b>180.0</b>	30.031	30.031	30.031

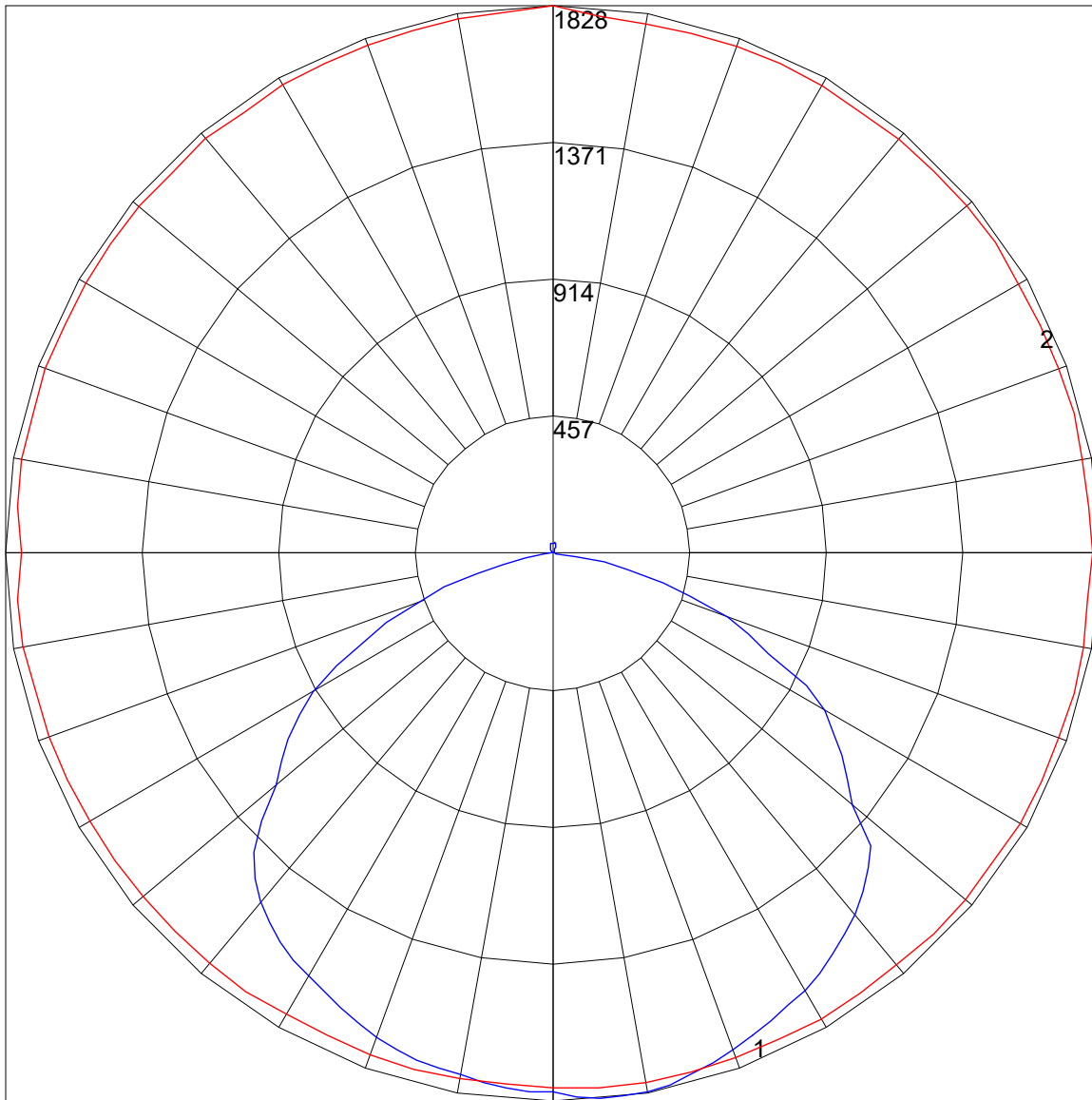
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

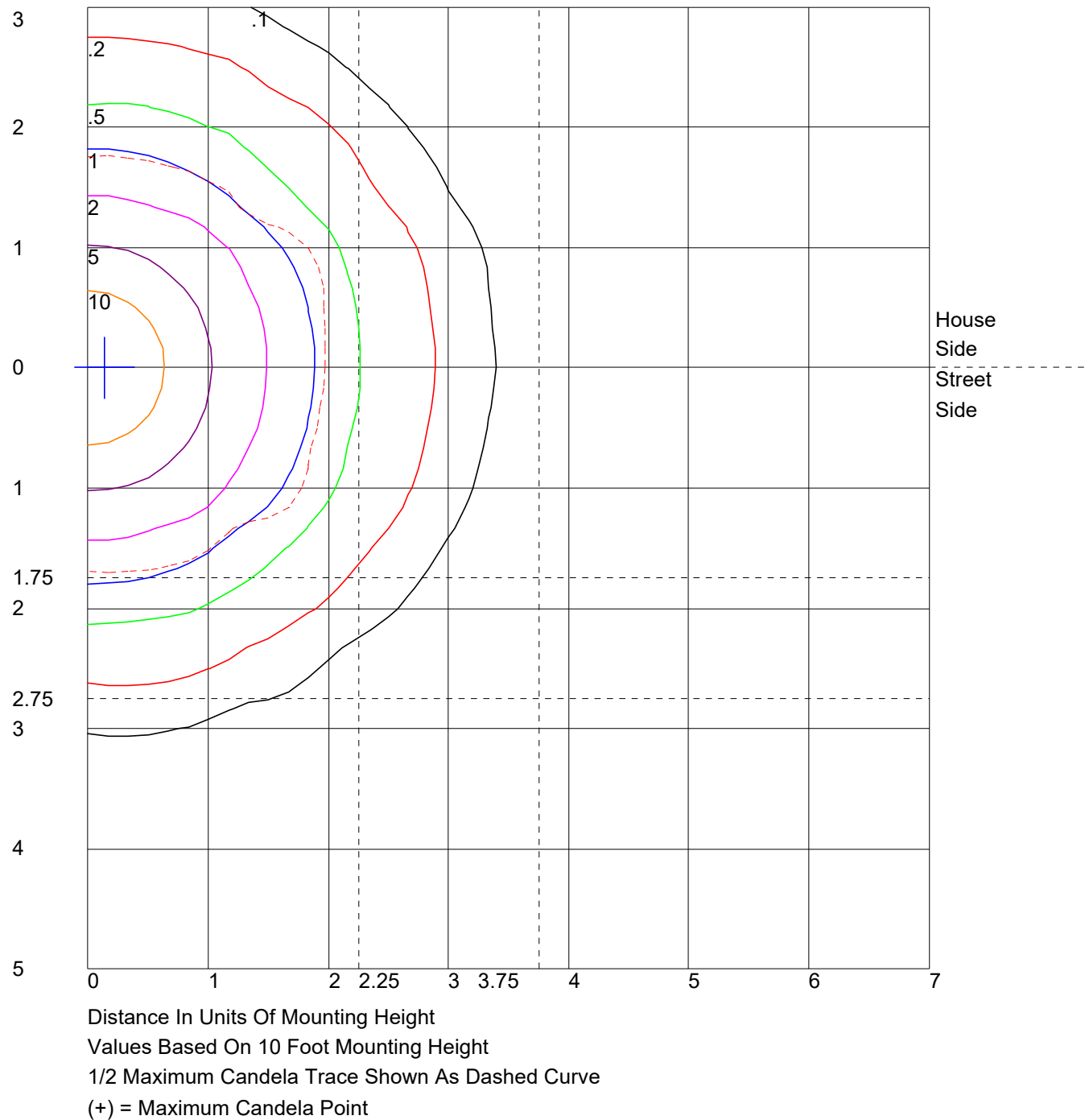
	Lumens	Percent Of Luminaire
Downward Street Side	2811.5	49.2
Downward House Side	2861.9	50.1
Downward Total	5673.4	99.2
Upward Street Side	21.0	0.4
Upward House Side	22.2	0.4
Upward Total	43.2	0.8
Total Flux	5716.6	100.0

POLAR GRAPH



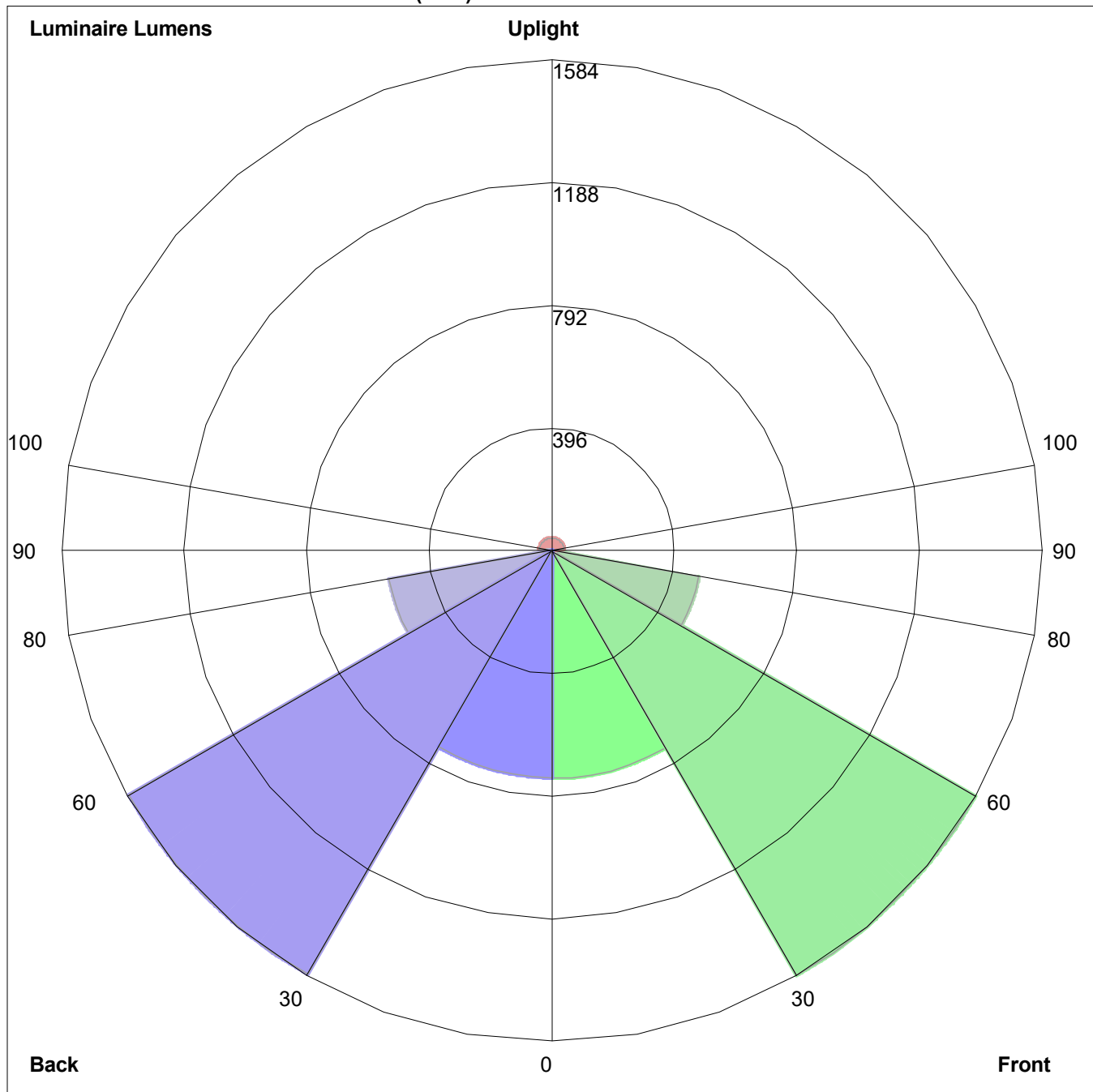
Maximum Candela = 1827.781 Located At Horizontal Angle = 90, Vertical Angle = 7.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (7.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





**LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH**



Luminaire Lumens:  
 Front: Low=735.5, Medium=1584.2, High=482.8, Very High=8.9  
 Back: Low=732.2, Medium=1580.5, High=533.1, Very High=16.2  
 Uplight: Low=2.7, High=40.5

BUG Rating : B2-U2-G1