

Report No.:

Test Time: 2024/3/28

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Luminaire Description: 210-01-26W-27V-3CCT-D(60%)

Lamp Catalog:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm):

Voltage: 120.7 V

Power: 15.55 W

Number of Lamps:

Luminous Length (mm):

Luminous Height (mm):

Current: 0.130 A

Power Factor: 0.992

Photometric Results

IES Classification: Type IV

Total Rated Lamp Lumens: 1866.0 lm

Efficiency: 100%

Upward Ratio: 9%

C0r0 Intensity: 304.31 cd

Pos of Max. Intensity: H300 V36

Longitudinal Classification: Very Short

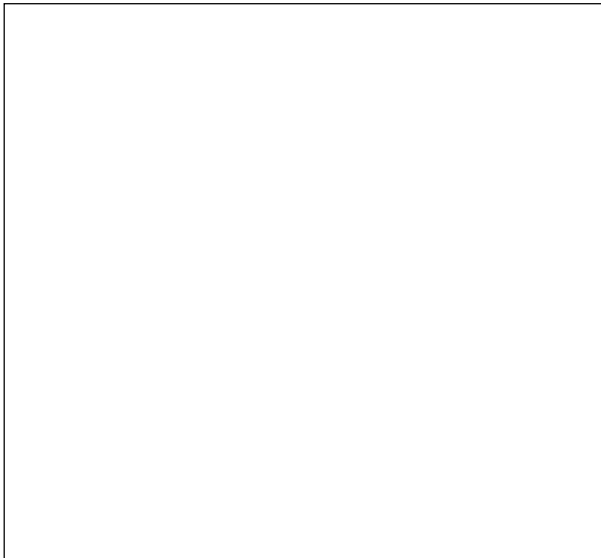
Measurement Flux: 1866 lm

Downward Ratio: 91%

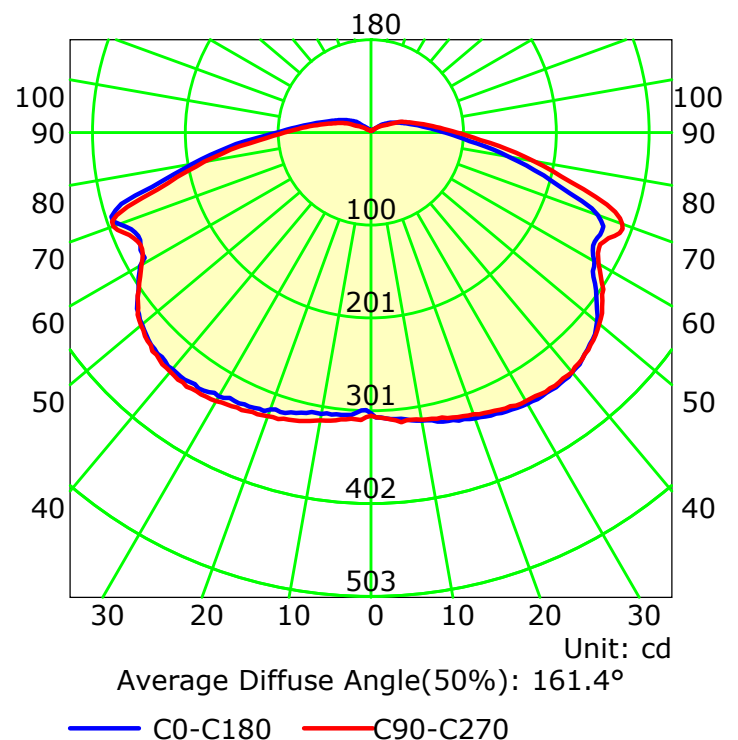
Luminaire Efficacy Rating (LER): 120.05

Max. Intensity: 353.74 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

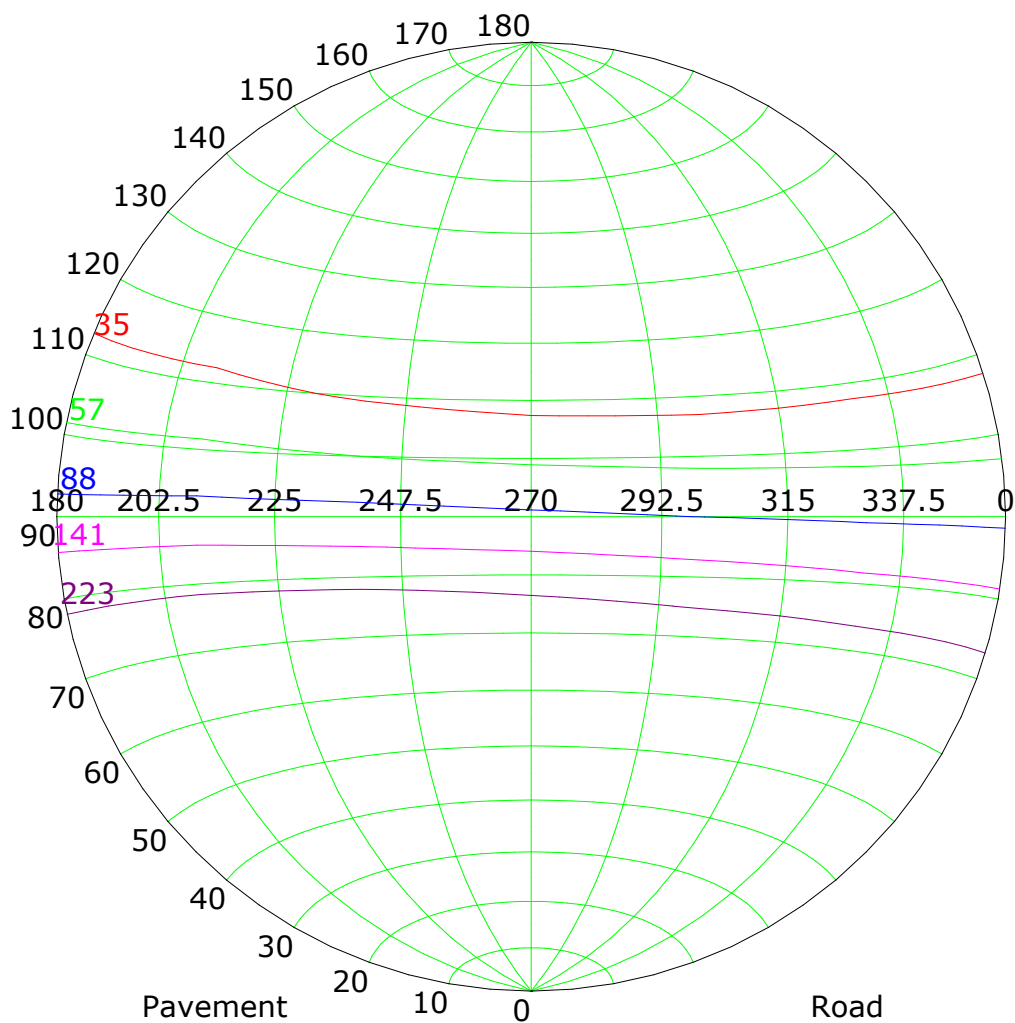
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 354 cd

- (10%): 35 cd
- (25%): 88 cd
- (63%): 223 cd

— (16%): 57 cd
— (40%): 141 cd
— (100%): 354 cd

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

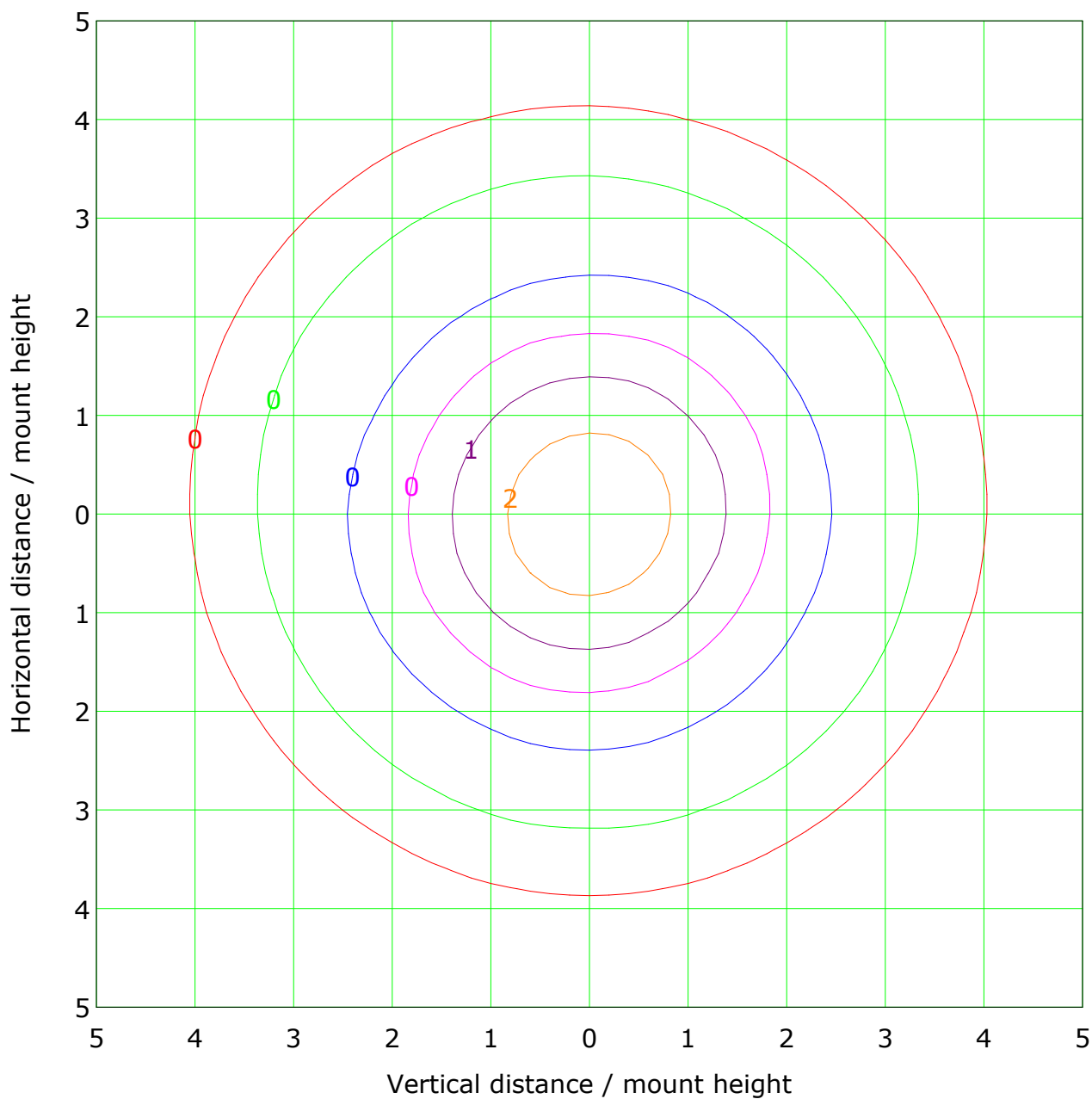
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 3.1 lx

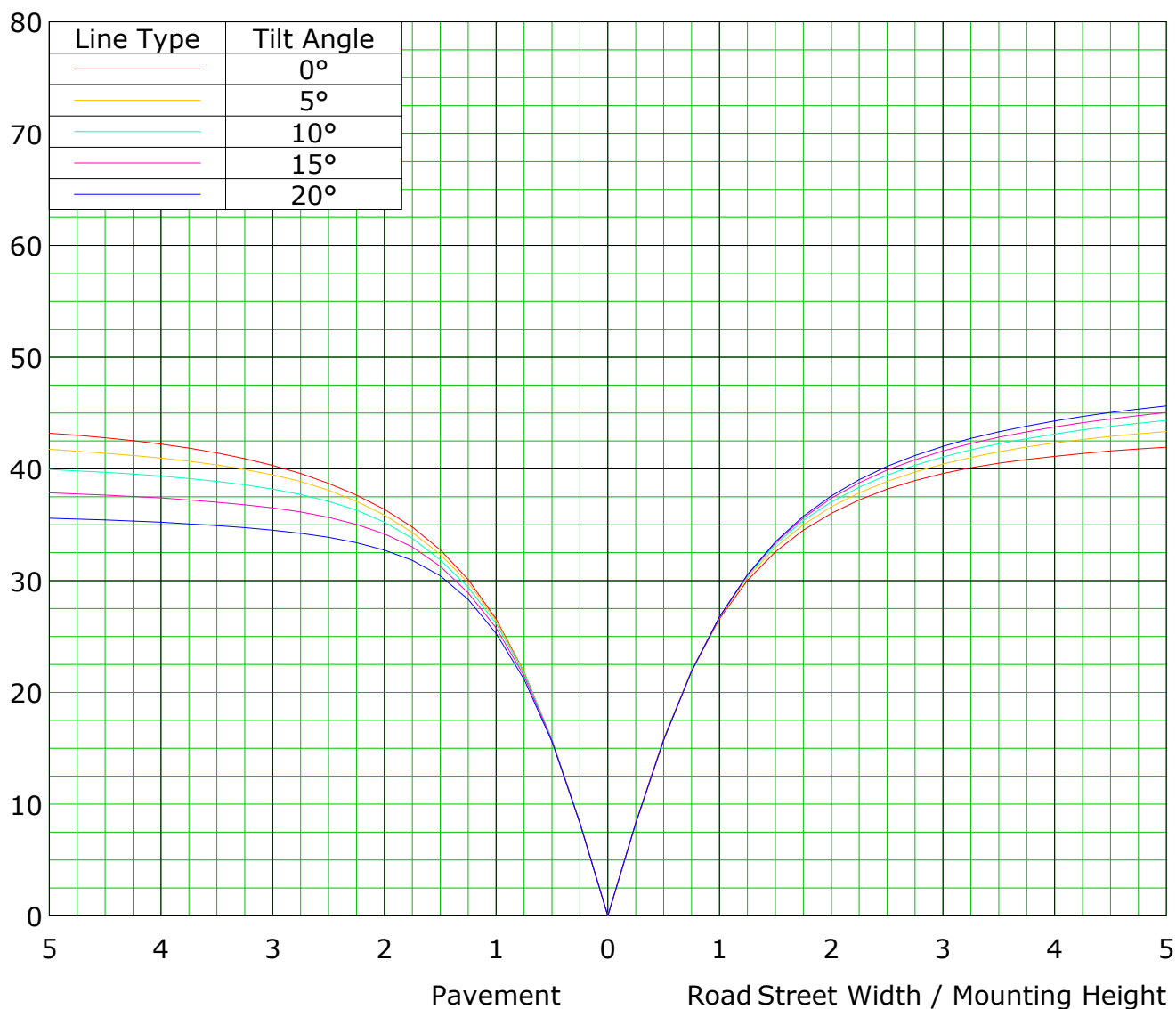
(1%): 0.0 lx	(2%): 0.1 lx
(5%): 0.2 lx	(10%): 0.3 lx
(20%): 0.6 lx	(50%): 1.6 lx
(100%): 3.1 lx	

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity:
Inspector:

Roadway CU Curve

Efficiency(%)



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

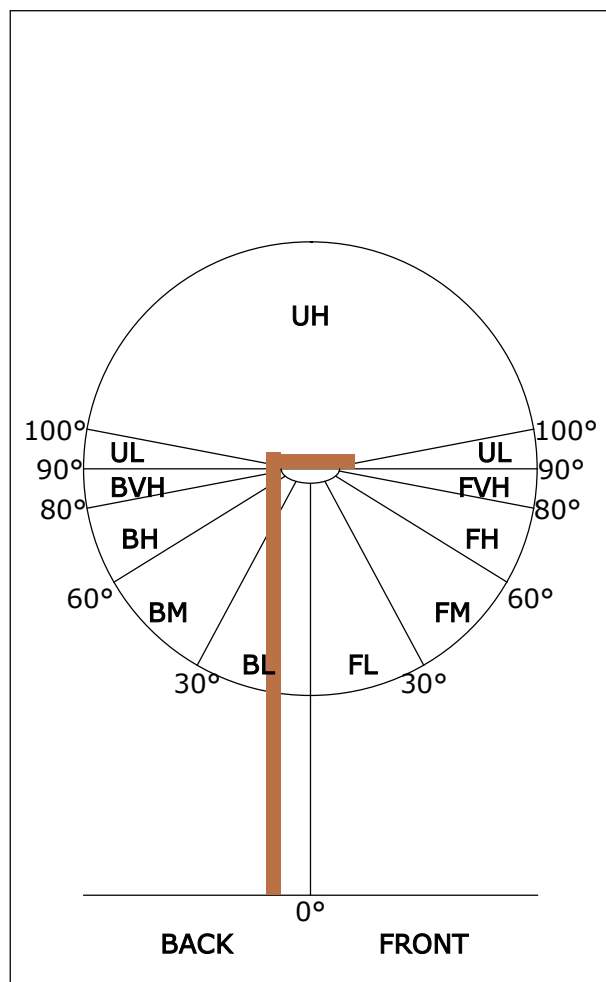
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	828	44.4
FL (0°-30°)	139	7.5
FM (30°-60°)	371	19.9
FH (60°-80°)	253	13.5
FVH (80°-90°)	65	3.5
BACK LIGHT	862	46.2
BL (0°-30°)	137	7.3
BM (30°-60°)	374	20.1
BH (60°-80°)	273	14.6
BVH (80°-90°)	77	4.1
UP LIGHT	176	9.4
UL (90°-100°)	78	4.2
UH (100°-180°)	98	5.2
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U2 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U2 G1

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity:
Inspector:

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	306.9	0.3	0.3	0.02	0.02
1.0-2.0	307.7	0.9	1.2	0.05	0.06
2.0-3.0	309.0	1.5	2.7	0.08	0.14
3.0-4.0	310.3	2.1	4.7	0.11	0.25
4.0-5.0	311.1	2.7	7.4	0.14	0.40
5.0-6.0	311.9	3.3	10.7	0.18	0.57
6.0-7.0	312.8	3.9	14.6	0.21	0.78
7.0-8.0	313.7	4.5	19.1	0.24	1.02
8.0-9.0	314.5	5.1	24.2	0.27	1.29
9.0-10.0	315.4	5.7	29.9	0.31	1.60
10.0-11.0	316.5	6.3	36.2	0.34	1.94
11.0-12.0	317.7	6.9	43.1	0.37	2.31
12.0-13.0	319.1	7.6	50.7	0.41	2.72
13.0-14.0	320.5	8.2	58.9	0.44	3.16
14.0-15.0	321.7	8.8	67.8	0.47	3.63
15.0-16.0	323.0	9.5	77.2	0.51	4.14
16.0-17.0	324.2	10.1	87.3	0.54	4.68
17.0-18.0	325.4	10.7	98.0	0.58	5.25
18.0-19.0	326.6	11.4	109.4	0.61	5.86
19.0-20.0	327.7	12.0	121.4	0.64	6.51
20.0-21.0	329.0	12.6	134.0	0.68	7.18
21.0-22.0	330.2	13.3	147.3	0.71	7.89
22.0-23.0	331.3	13.9	161.2	0.75	8.64
23.0-24.0	332.4	14.5	175.7	0.78	9.42
24.0-25.0	333.6	15.2	190.9	0.81	10.23
25.0-26.0	334.6	15.8	206.7	0.85	11.08
26.0-27.0	335.5	16.4	223.1	0.88	11.96
27.0-28.0	336.5	17.0	240.2	0.91	12.87
28.0-29.0	337.4	17.7	257.8	0.95	13.82
29.0-30.0	338.4	18.3	276.1	0.98	14.80
30.0-31.0	339.1	18.9	295.0	1.01	15.81
31.0-32.0	339.9	19.5	314.4	1.04	16.85
32.0-33.0	340.5	20.1	334.5	1.08	17.93
33.0-34.0	340.9	20.6	355.1	1.11	19.03
34.0-35.0	341.1	21.2	376.3	1.14	20.17
35.0-36.0	341.4	21.7	398.1	1.17	21.33

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity:
Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	341.5	22.3	420.3	1.19	22.53
37.0-38.0	341.3	22.8	443.1	1.22	23.75
38.0-39.0	341.0	23.3	466.4	1.25	24.99
39.0-40.0	340.4	23.7	490.2	1.27	26.27
40.0-41.0	339.7	24.2	514.3	1.30	27.56
41.0-42.0	338.7	24.6	539.0	1.32	28.88
42.0-43.0	337.4	25.0	564.0	1.34	30.22
43.0-44.0	336.1	25.4	589.3	1.36	31.58
44.0-45.0	334.9	25.7	615.1	1.38	32.96
45.0-46.0	333.5	26.1	641.2	1.40	34.36
46.0-47.0	331.8	26.4	667.5	1.41	35.77
47.0-48.0	329.9	26.7	694.2	1.43	37.20
48.0-49.0	327.6	26.9	721.1	1.44	38.65
49.0-50.0	325.0	27.1	748.2	1.45	40.10
50.0-51.0	322.4	27.3	775.5	1.46	41.56
51.0-52.0	319.2	27.4	802.9	1.47	43.03
52.0-53.0	315.1	27.4	830.3	1.47	44.50
53.0-54.0	310.8	27.4	857.7	1.47	45.96
54.0-55.0	306.4	27.4	885.1	1.47	47.43
55.0-56.0	302.0	27.3	912.3	1.46	48.89
56.0-57.0	297.8	27.2	939.6	1.46	50.35
57.0-58.0	293.9	27.2	966.8	1.46	51.81
58.0-59.0	290.5	27.2	993.9	1.46	53.27
59.0-60.0	287.4	27.2	1021.1	1.46	54.72
60.0-61.0	284.2	27.1	1048.2	1.45	56.17
61.0-62.0	281.6	27.1	1075.3	1.45	57.63
62.0-63.0	279.9	27.2	1102.6	1.46	59.09
63.0-64.0	278.4	27.3	1129.9	1.46	60.55
64.0-65.0	277.3	27.5	1157.4	1.47	62.02
65.0-66.0	277.0	27.6	1185.0	1.48	63.50
66.0-67.0	277.4	27.9	1212.9	1.49	65.00
67.0-68.0	278.8	28.2	1241.1	1.51	66.51
68.0-69.0	280.7	28.6	1269.8	1.53	68.05
69.0-70.0	281.6	28.9	1298.7	1.55	69.60
70.0-71.0	280.7	29.0	1327.7	1.56	71.15
71.0-72.0	277.1	28.8	1356.5	1.54	72.70

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity:
Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	269.0	28.1	1384.7	1.51	74.21
73.0-74.0	257.4	27.1	1411.7	1.45	75.66
74.0-75.0	244.1	25.8	1437.5	1.38	77.04
75.0-76.0	229.6	24.4	1461.9	1.31	78.34
76.0-77.0	215.7	23.0	1484.9	1.23	79.58
77.0-78.0	203.7	21.8	1506.7	1.17	80.75
78.0-79.0	192.9	20.7	1527.4	1.11	81.86
79.0-80.0	182.6	19.7	1547.1	1.06	82.91
80.0-81.0	172.5	18.7	1565.8	1.00	83.91
81.0-82.0	162.5	17.6	1583.4	0.94	84.86
82.0-83.0	152.7	16.6	1600.0	0.89	85.75
83.0-84.0	142.9	15.6	1615.6	0.83	86.58
84.0-85.0	133.3	14.6	1630.1	0.78	87.36
85.0-86.0	124.1	13.6	1643.7	0.73	88.09
86.0-87.0	115.5	12.6	1656.4	0.68	88.76
87.0-88.0	108.0	11.8	1668.2	0.63	89.40
88.0-89.0	101.4	11.1	1679.3	0.60	89.99
89.0-90.0	95.6	10.5	1689.8	0.56	90.56
90.0-91.0	90.5	9.9	1699.7	0.53	91.09
91.0-92.0	85.7	9.4	1709.1	0.50	91.59
92.0-93.0	81.2	8.9	1718.0	0.48	92.07
93.0-94.0	76.9	8.4	1726.4	0.45	92.52
94.0-95.0	72.8	8.0	1734.4	0.43	92.95
95.0-96.0	68.9	7.5	1741.9	0.40	93.35
96.0-97.0	65.3	7.1	1749.0	0.38	93.73
97.0-98.0	61.9	6.7	1755.7	0.36	94.09
98.0-99.0	58.6	6.4	1762.1	0.34	94.43
99.0-100.0	55.7	6.0	1768.1	0.32	94.75
100.0-101.0	52.9	5.7	1773.8	0.31	95.06
101.0-102.0	50.4	5.4	1779.2	0.29	95.35
102.0-103.0	48.0	5.1	1784.4	0.28	95.62
103.0-104.0	45.7	4.9	1789.2	0.26	95.89
104.0-105.0	43.6	4.6	1793.9	0.25	96.13
105.0-106.0	41.7	4.4	1798.3	0.24	96.37
106.0-107.0	39.8	4.2	1802.5	0.22	96.60
107.0-108.0	38.1	4.0	1806.5	0.21	96.81

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity:
Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	36.5	3.8	1810.3	0.20	97.01
109.0-110.0	34.9	3.6	1813.9	0.19	97.21
110.0-111.0	33.4	3.4	1817.3	0.18	97.39
111.0-112.0	31.8	3.2	1820.5	0.17	97.56
112.0-113.0	30.2	3.1	1823.6	0.16	97.73
113.0-114.0	28.5	2.9	1826.5	0.15	97.88
114.0-115.0	27.0	2.7	1829.2	0.14	98.03
115.0-116.0	25.7	2.5	1831.7	0.14	98.16
116.0-117.0	24.5	2.4	1834.1	0.13	98.29
117.0-118.0	23.4	2.3	1836.4	0.12	98.41
118.0-119.0	22.3	2.1	1838.5	0.12	98.53
119.0-120.0	21.2	2.0	1840.5	0.11	98.64
120.0-121.0	20.2	1.9	1842.4	0.10	98.74
121.0-122.0	19.2	1.8	1844.2	0.10	98.83
122.0-123.0	18.2	1.7	1845.9	0.09	98.92
123.0-124.0	17.3	1.6	1847.5	0.08	99.01
124.0-125.0	16.4	1.5	1849.0	0.08	99.09
125.0-126.0	15.5	1.4	1850.4	0.07	99.16
126.0-127.0	14.6	1.3	1851.7	0.07	99.23
127.0-128.0	13.7	1.2	1852.9	0.06	99.30
128.0-129.0	12.8	1.1	1853.9	0.06	99.35
129.0-130.0	11.9	1.0	1855.0	0.05	99.41
130.0-131.0	11.0	0.9	1855.9	0.05	99.46
131.0-132.0	10.2	0.8	1856.7	0.04	99.50
132.0-133.0	9.4	0.8	1857.5	0.04	99.54
133.0-134.0	8.6	0.7	1858.1	0.04	99.58
134.0-135.0	8.0	0.6	1858.8	0.03	99.61
135.0-136.0	7.3	0.6	1859.3	0.03	99.64
136.0-137.0	6.8	0.5	1859.8	0.03	99.67
137.0-138.0	6.3	0.5	1860.3	0.02	99.70
138.0-139.0	5.8	0.4	1860.7	0.02	99.72
139.0-140.0	5.4	0.4	1861.1	0.02	99.74
140.0-141.0	5.1	0.4	1861.5	0.02	99.76
141.0-142.0	4.8	0.3	1861.8	0.02	99.77
142.0-143.0	4.5	0.3	1862.1	0.02	99.79
143.0-144.0	4.2	0.3	1862.4	0.01	99.81

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity:
Inspector:

Zonal Lumen (Continue 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	4.0	0.3	1862.6	0.01	99.82
145.0-146.0	3.9	0.2	1862.9	0.01	99.83
146.0-147.0	3.7	0.2	1863.1	0.01	99.84
147.0-148.0	3.6	0.2	1863.3	0.01	99.86
148.0-149.0	3.5	0.2	1863.5	0.01	99.87
149.0-150.0	3.5	0.2	1863.7	0.01	99.88
150.0-151.0	3.4	0.2	1863.9	0.01	99.89
151.0-152.0	3.3	0.2	1864.1	0.01	99.90
152.0-153.0	3.2	0.2	1864.2	0.01	99.91
153.0-154.0	3.1	0.2	1864.4	0.01	99.91
154.0-155.0	3.1	0.1	1864.5	0.01	99.92
155.0-156.0	3.0	0.1	1864.7	0.01	99.93
156.0-157.0	2.9	0.1	1864.8	0.01	99.94
157.0-158.0	2.8	0.1	1864.9	0.01	99.94
158.0-159.0	2.7	0.1	1865.0	0.01	99.95
159.0-160.0	2.7	0.1	1865.1	0.01	99.95
160.0-161.0	2.6	0.1	1865.2	0.01	99.96
161.0-162.0	2.6	0.1	1865.3	0.00	99.96
162.0-163.0	2.5	0.1	1865.4	0.00	99.97
163.0-164.0	2.4	0.1	1865.5	0.00	99.97
164.0-165.0	2.4	0.1	1865.5	0.00	99.98
165.0-166.0	2.3	0.1	1865.6	0.00	99.98
166.0-167.0	2.3	0.1	1865.7	0.00	99.98
167.0-168.0	2.3	0.1	1865.7	0.00	99.98
168.0-169.0	2.2	0.0	1865.8	0.00	99.99
169.0-170.0	2.2	0.0	1865.8	0.00	99.99
170.0-171.0	2.1	0.0	1865.8	0.00	99.99
171.0-172.0	2.1	0.0	1865.9	0.00	99.99
172.0-173.0	2.1	0.0	1865.9	0.00	99.99
173.0-174.0	2.1	0.0	1865.9	0.00	100.00
174.0-175.0	2.0	0.0	1866.0	0.00	100.00
175.0-176.0	2.0	0.0	1866.0	0.00	100.00
176.0-177.0	2.0	0.0	1866.0	0.00	100.00
177.0-178.0	2.0	0.0	1866.0	0.00	100.00
178.0-179.0	2.1	0.0	1866.0	0.00	100.00
179.0-180.0	2.1	0.0	1866.0	0.00	100.00

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity:
Inspector:

Zonal Lumen (Continue 5)

cone flux(90°): 615.07 lm

%lum = 33.0%

%lamp = 33.0%

cone flux(120°): 1021.09 lm

%lum = 54.7%

%lamp = 54.7%

LED Average Luminance Report

Avg.L	cd/m ²
L 0-180(65) av	1.#J
L 0-180(75) av	1.#J
L 0-180(85) av	1.#J
L 90-270(65) av	1.#J
L 90-270(75) av	1.#J
L 90-270(85) av	1.#J
L 45(65) av	1.#J
L 45(75) av	1.#J
L 45(85) av	1.#J

Standard: GB/T 29293-2012