

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P386174

Luminaire Tested: **GWC-SA1D-735-U-T3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386174
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA1D-735-U-T3-HSS
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3500K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5673 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

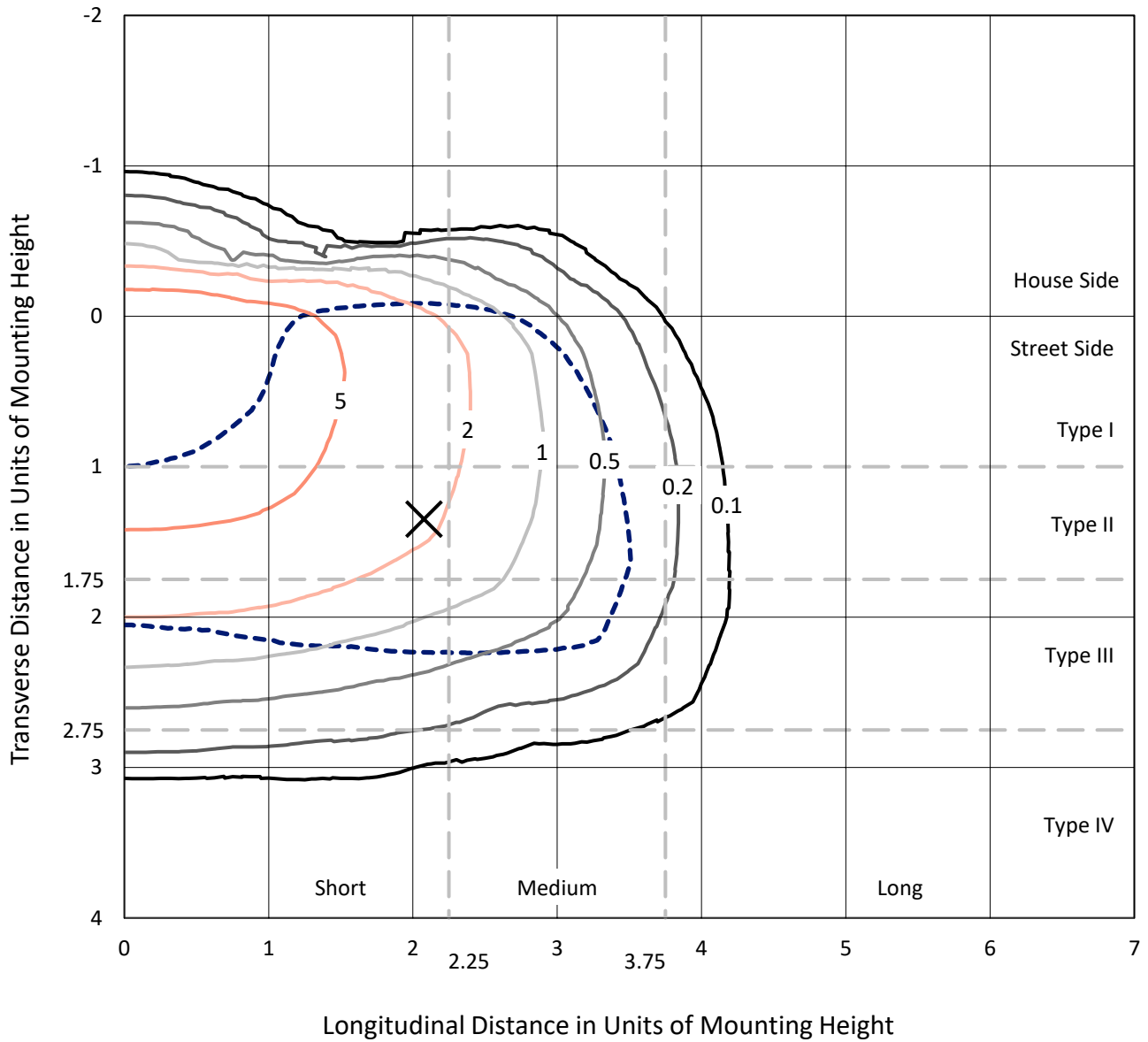
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

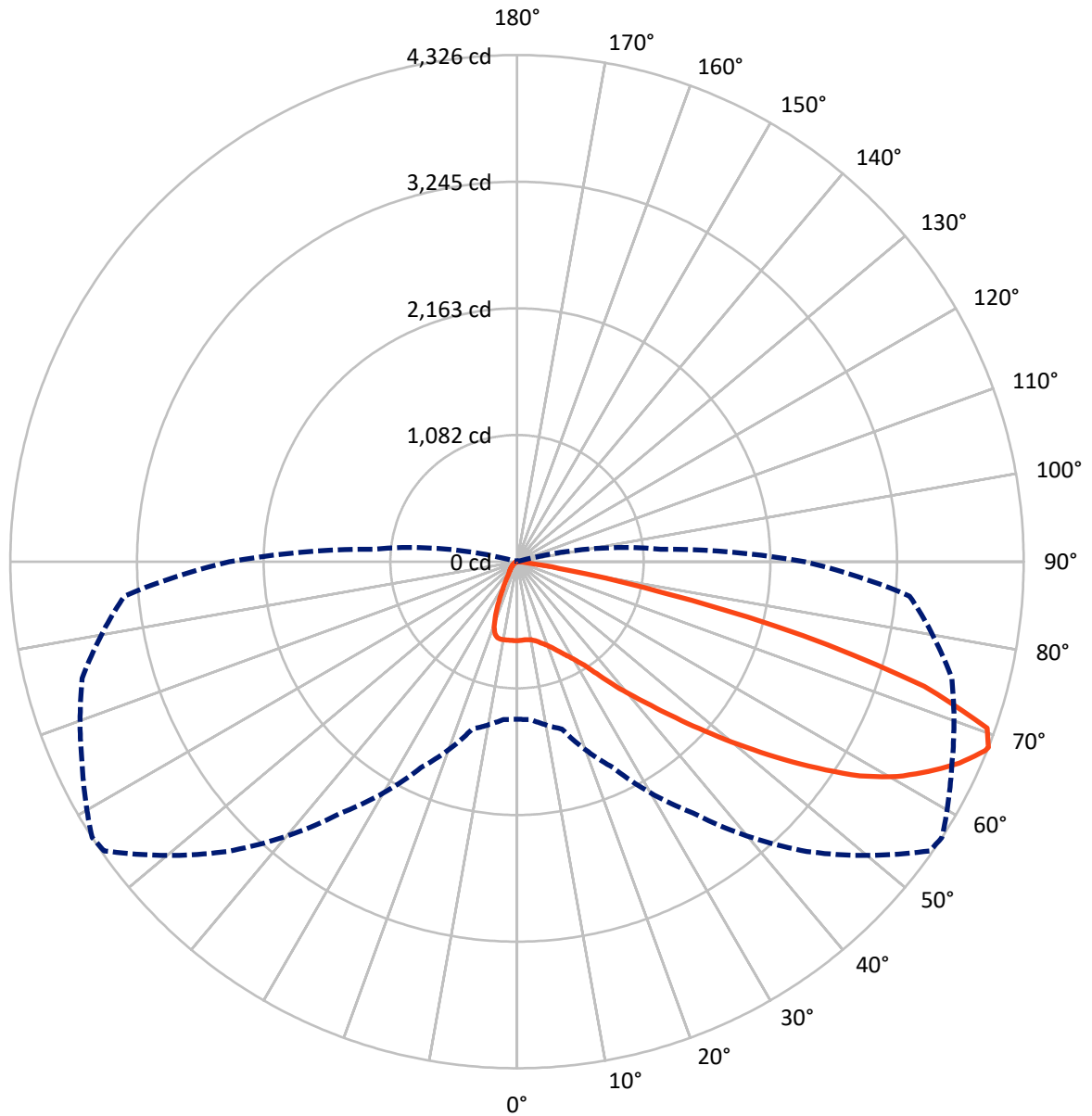
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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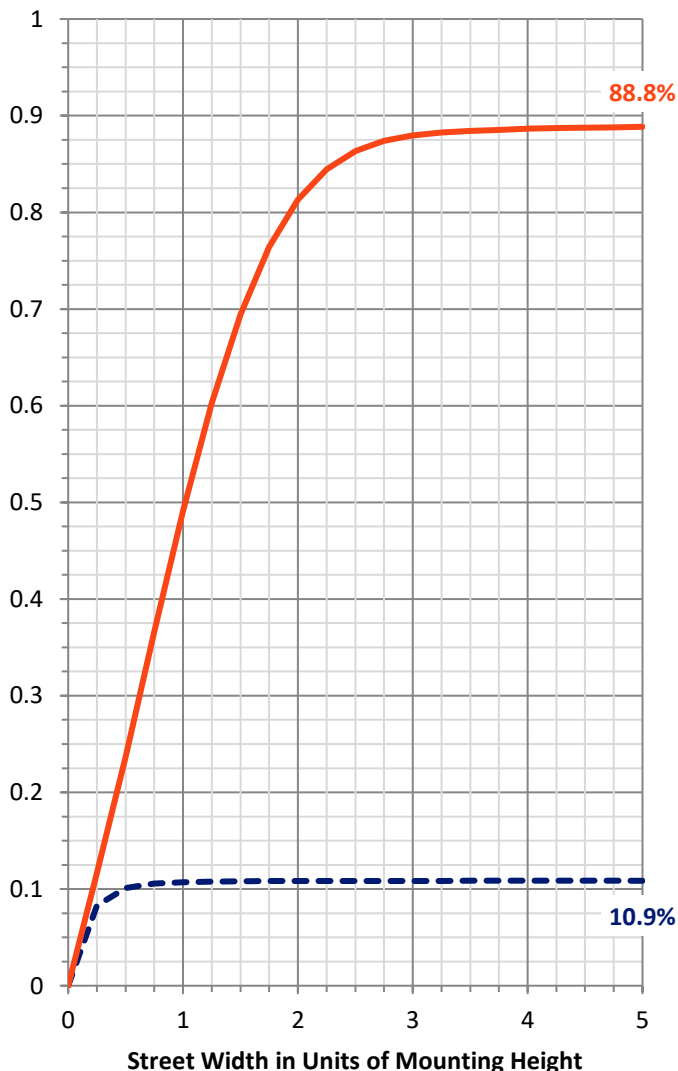
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	622.1	0.0	622.1
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	5050.9	0.0	5050.9
	% Fixture	89.0	0.0	89.0
Total	Lumens	5673.0	0.0	5673.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.1	1.1
10°-20°	174.8	3.1
20°-30°	301.6	5.3
30°-40°	520.5	9.2
40°-50°	890.3	15.7
50°-60°	1424.4	25.1
60°-70°	1645.8	29.0
70°-80°	628.9	11.1
80°-90°	23.6	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5673.0	100.0
0°-180°	5673.0	100.0

Coefficient of Utilization



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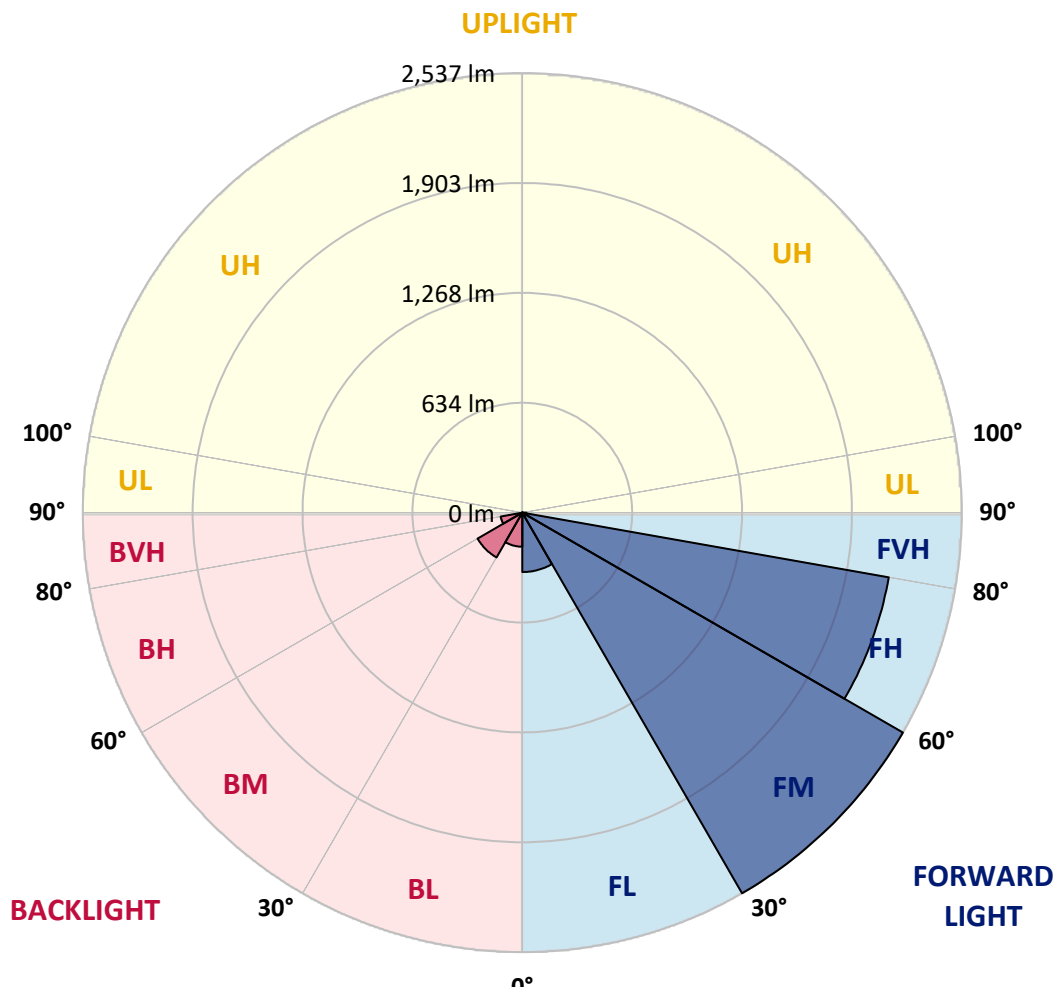
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	342.9	6.0			
FM (30°-60°)	2536.9	44.7			
FH (60°-80°)	2148.0	37.9			G2/5000
FVH (80°-90°)	23.1	0.4			G1/100
BL (0°-30°)	196.6	3.5	B1/500		
BM (30°-60°)	298.4	5.3	B1/1000		
BH (60°-80°)	126.7	2.2	B1/500		G1/500
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	674.1	674.1	674.1	674.1	674.1	674.1	674.1	674.1	674.1	674.1	674.1
2.5°	658.2	661.2	663.4	664.7	666.3	669.8	670.9	672.5	673.3	673.3	675.1
5°	632.2	635.5	640.0	643.8	651.3	661.0	667.9	670.6	675.4	679.7	682.2
7.5°	608.1	611.8	617.3	626.1	639.0	654.5	669.0	672.8	682.2	691.3	695.8
10°	592.6	595.5	602.5	615.1	632.0	653.7	674.1	678.6	694.8	710.1	718.6
12.5°	587.2	589.8	597.1	611.4	632.2	657.8	685.9	692.6	716.2	738.5	750.6
15°	595.0	595.5	603.3	616.7	637.4	667.6	705.5	713.6	743.3	772.3	787.3
17.5°	625.0	622.6	626.6	632.5	648.9	680.8	726.2	738.2	777.9	812.0	826.2
20°	700.1	700.1	691.0	674.9	675.1	701.2	754.1	767.8	816.2	855.7	868.6
22.5°	828.6	826.2	808.0	768.5	732.4	736.3	788.2	805.8	862.4	904.5	908.9
25°	983.1	980.2	952.0	896.5	833.7	793.2	834.3	854.7	917.4	954.7	945.9
27.5°	1146.7	1144.4	1116.5	1047.5	958.2	883.9	889.2	908.6	973.5	1010.2	982.0
30°	1305.3	1306.1	1278.4	1207.7	1106.5	999.5	958.9	970.2	1027.9	1065.2	1025.0
32.5°	1456.1	1457.1	1433.2	1354.1	1259.7	1133.8	1055.5	1052.6	1091.2	1127.9	1081.8
35°	1590.4	1593.1	1576.8	1515.3	1415.3	1283.6	1180.8	1173.9	1181.1	1222.6	1169.0
37.5°	1720.0	1721.6	1709.2	1657.5	1573.8	1448.0	1339.1	1329.1	1313.6	1345.5	1284.1
40°	1861.9	1857.8	1843.7	1796.7	1724.8	1629.6	1509.1	1491.9	1464.9	1493.4	1435.4
42.5°	1993.9	1989.4	1991.7	1938.6	1878.0	1816.3	1707.3	1677.9	1662.1	1694.8	1621.0
45°	2158.8	2156.5	2164.5	2118.3	2069.2	2024.5	1934.6	1902.4	1895.4	1933.7	1845.5
47.5°	2321.7	2327.5	2352.5	2332.9	2313.1	2273.6	2175.2	2160.7	2165.0	2211.4	2082.4
50°	2457.4	2464.4	2532.8	2555.3	2584.0	2561.0	2462.2	2453.4	2470.2	2512.1	2337.2
52.5°	2555.6	2569.8	2654.8	2758.6	2863.3	2878.8	2780.3	2772.3	2795.2	2801.6	2534.1
55°	2623.7	2636.3	2732.6	2922.5	3135.5	3202.6	3141.4	3110.3	3106.0	3042.4	2741.2
57.5°	2635.8	2634.4	2772.9	3028.5	3349.0	3522.1	3483.5	3452.8	3364.9	3265.1	2978.6
60°	2567.6	2575.4	2736.1	3065.2	3483.2	3763.8	3766.7	3727.0	3589.9	3481.6	3208.8
62.5°	2357.9	2389.5	2551.9	2969.0	3481.6	3861.1	3974.3	3944.0	3780.1	3658.8	3442.1
65°	2017.7	2029.0	2183.8	2639.0	3246.4	3820.3	4161.3	4150.1	3951.6	3831.1	3562.0
67.5°	1473.4	1449.1	1611.6	2078.1	2748.5	3582.7	4295.4	4309.7	4083.7	3866.5	3434.3
68°	1344.7	1352.0	1478.6	1939.4	2618.1	3498.8	4304.3	4326.0	4096.9	3843.4	3364.6
70°	801.5	815.5	928.4	1335.3	1991.7	3023.6	4208.8	4258.4	4018.6	3605.5	2910.2
72.5°	204.7	221.3	328.0	597.6	1137.6	2130.5	3552.9	3636.9	3489.1	2925.0	1964.6
75°	84.3	88.5	117.2	196.9	423.9	959.8	2341.8	2521.5	2418.8	1751.1	887.9
77.5°	58.2	61.2	75.3	109.2	183.5	325.4	1148.1	1278.0	1151.3	597.6	193.7
80°	41.8	44.2	53.9	72.7	105.4	116.1	374.2	432.7	343.6	131.1	48.0
82.5°	25.0	26.9	40.2	51.8	64.1	55.5	93.1	105.7	99.5	65.2	21.4
85°	12.3	14.5	27.1	37.0	34.6	23.3	28.5	31.7	39.2	39.7	11.6
87.5°	0.8	1.6	15.8	22.3	9.7	5.4	8.4	10.2	13.9	19.5	4.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	674.1	674.1	674.1	674.1	674.1	674.1	674.1	674.1	674.1	674.1	674.1
2.5°	676.0	676.3	674.4	673.5	674.1	670.9	669.5	670.1	670.1	670.9	669.5
5°	682.7	682.7	679.5	675.1	672.8	666.6	662.6	661.5	660.7	660.1	659.1
7.5°	697.1	695.5	689.9	680.5	672.5	659.1	648.9	643.5	640.9	639.7	639.0
10°	720.5	717.6	708.2	690.7	672.2	648.4	626.1	610.2	597.1	591.7	588.5
12.5°	751.9	747.6	731.8	702.8	670.4	626.4	578.1	531.7	488.5	470.7	461.9
15°	788.2	782.0	757.0	713.0	659.4	576.7	471.9	390.6	330.8	308.2	298.5
17.5°	824.9	816.8	778.9	719.5	626.4	474.0	331.0	250.0	210.0	199.3	195.6
20°	861.9	850.1	798.0	714.6	551.8	341.8	218.3	182.7	171.2	168.0	166.8
22.5°	897.0	878.8	815.2	695.8	437.0	229.3	172.8	161.5	157.7	155.8	155.3
25°	927.6	902.1	830.2	637.8	309.2	173.3	155.6	151.8	147.0	143.5	143.8
27.5°	956.3	925.5	839.3	542.4	206.3	148.0	144.0	138.9	130.1	125.0	125.0
30°	990.9	956.6	846.0	417.4	151.8	130.9	127.7	119.9	107.8	101.2	101.2
32.5°	1042.9	1003.7	841.8	292.9	125.8	115.1	107.6	96.9	83.7	77.2	77.0
35°	1122.6	1076.7	811.2	192.1	111.0	100.0	88.0	74.9	63.3	58.0	57.7
37.5°	1229.9	1174.3	742.5	137.3	99.5	86.1	71.6	57.1	48.6	45.1	44.8
40°	1369.2	1287.8	644.3	111.3	88.8	72.7	55.2	44.2	38.3	35.7	36.0
42.5°	1536.3	1409.4	526.5	96.0	78.3	59.8	43.2	34.9	31.1	29.2	28.7
45°	1721.9	1529.2	403.2	85.6	67.8	48.3	33.8	27.6	24.7	23.6	23.6
47.5°	1926.0	1645.9	295.1	76.5	56.6	37.3	27.1	22.5	20.1	19.4	19.1
50°	2111.4	1727.0	212.7	66.8	46.4	29.5	22.0	18.8	17.2	16.1	16.1
52.5°	2265.9	1752.4	156.7	56.4	37.6	23.6	18.2	16.1	14.5	13.7	13.7
55°	2401.8	1742.0	116.4	46.4	30.3	19.4	15.6	13.7	12.3	11.6	11.6
57.5°	2532.2	1708.2	86.9	37.9	24.4	15.6	13.2	11.6	10.2	9.7	9.7
60°	2638.8	1651.8	64.6	30.6	19.5	12.6	11.0	9.4	8.4	7.5	7.5
62.5°	2725.1	1589.6	47.4	25.2	15.6	10.0	8.5	7.8	6.2	5.4	5.4
65°	2725.7	1486.3	35.7	20.9	12.0	7.8	6.5	6.2	4.0	3.2	2.9
67.5°	2528.5	1281.4	27.3	17.9	9.4	5.9	4.8	5.1	2.2	1.3	1.0
68°	2456.9	1229.4	25.7	17.7	8.8	5.6	4.6	5.1	1.9	1.0	0.8
70°	2071.4	978.0	20.7	17.2	7.8	4.3	3.8	5.1	1.6	0.8	0.6
72.5°	1324.8	567.6	15.3	13.7	5.9	3.2	2.4	4.6	1.6	0.6	0.3
75°	563.8	175.9	10.4	9.7	3.5	2.4	1.6	2.9	1.0	0.3	0.0
77.5°	118.8	39.7	6.2	5.9	2.4	1.6	1.0	0.8	0.3	0.0	0.0
80°	30.6	11.6	3.2	2.9	1.3	0.8	0.6	0.0	0.0	0.0	0.0
82.5°	9.7	4.6	1.9	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.8	2.7	1.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.7	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245982

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