

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: P386146

Luminaire Tested: **GWC-SA1D-730-U-T3-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P386146  
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-730-U-T3-HSS  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 3000K, 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: 5498 lumens  
Efficiency: N/A  
Efficacy: 82.1 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

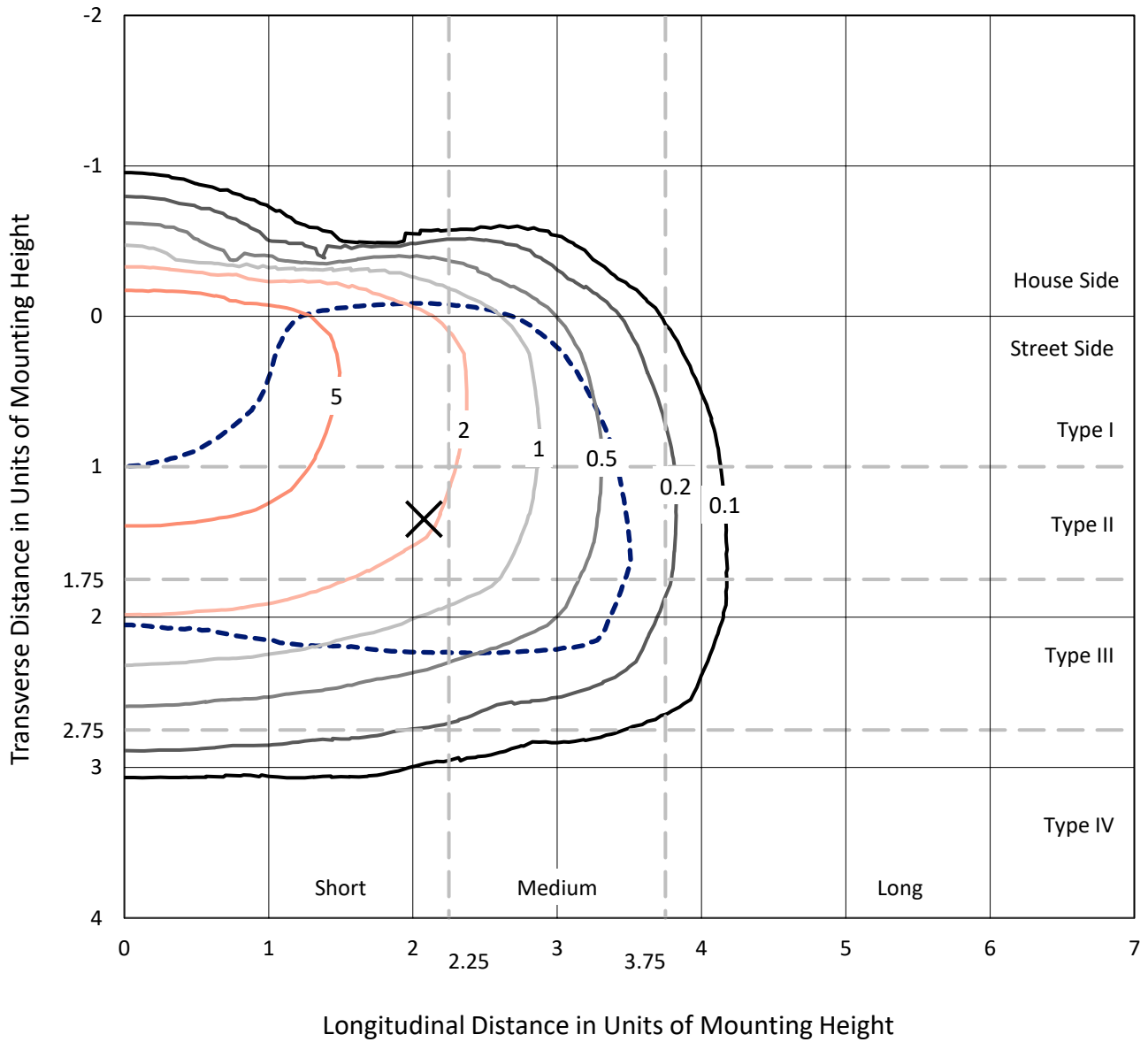
Input Watts (W): 67  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

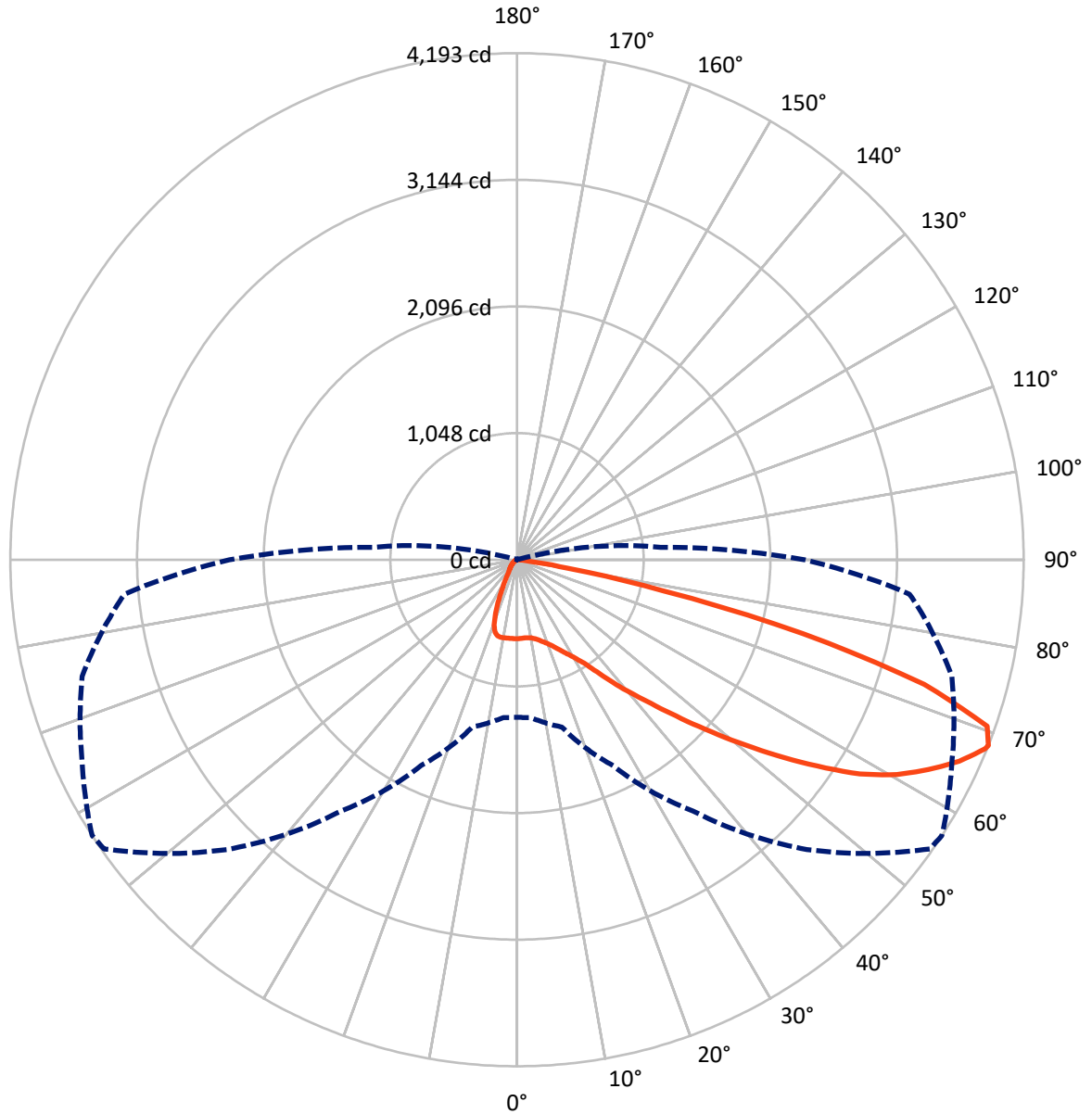
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.4 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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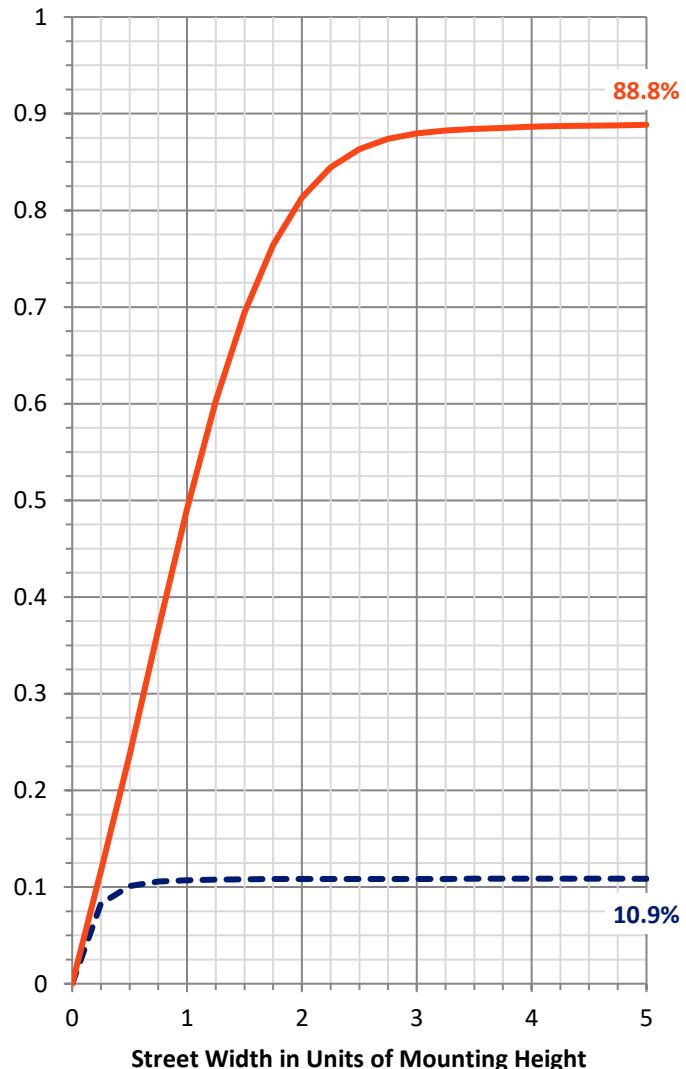
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	602.9	0.0	602.9
	% Fixture	11.0	0.0	11.0
<b>Street Side</b>	Lumens	4895.1	0.0	4895.1
	% Fixture	89.0	0.0	89.0
<b>Total</b>	Lumens	5498.0	0.0	5498.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.1	1.1
10°-20°	169.4	3.1
20°-30°	292.3	5.3
30°-40°	504.4	9.2
40°-50°	862.9	15.7
50°-60°	1380.5	25.1
60°-70°	1595.0	29.0
70°-80°	609.5	11.1
80°-90°	22.9	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°	5498.0	100.0
0°-180°	5498.0	100.0

**Coefficient of Utilization**



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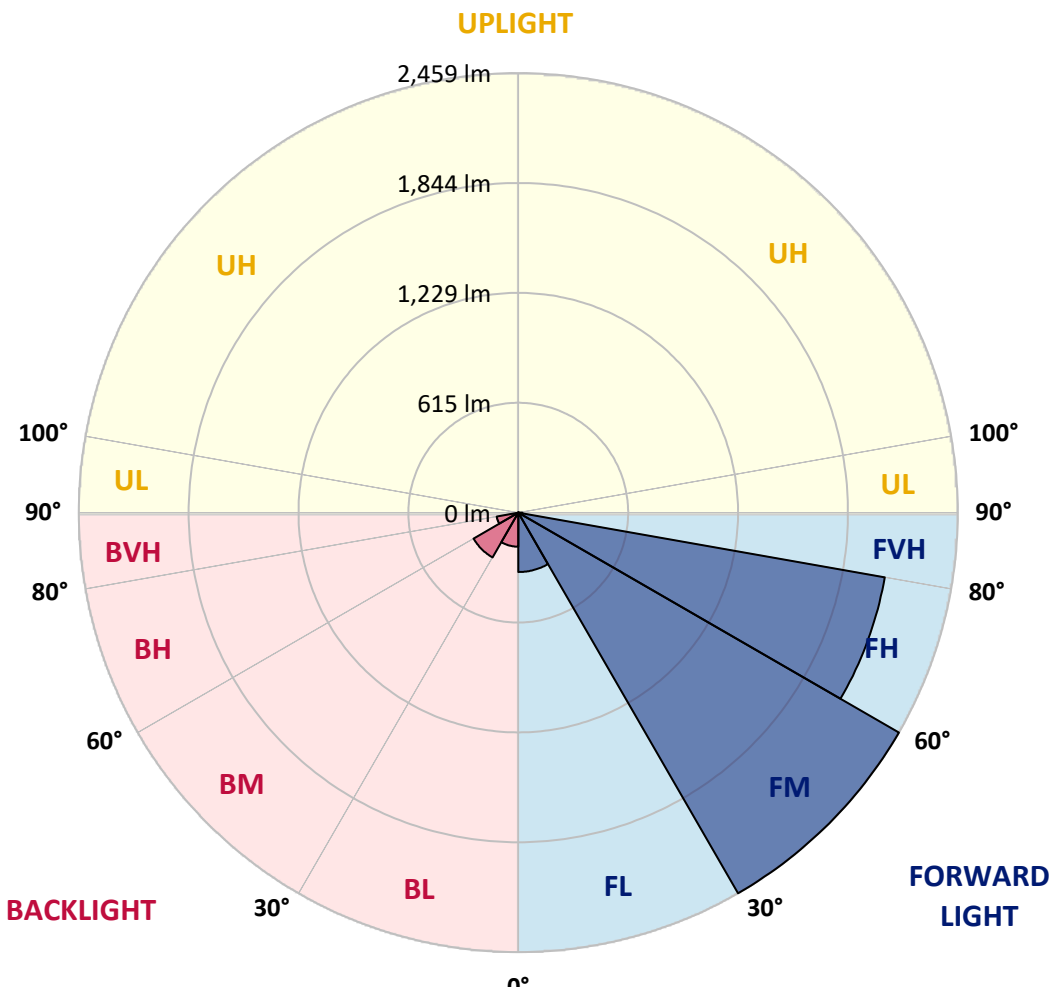
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	332.3	6.0			
FM (30°-60°)	2458.7	44.7			
FH (60°-80°)	2081.7	37.9			G2/5000
FVH (80°-90°)	22.4	0.4			G1/100
BL (0°-30°)	190.5	3.5	B1/500		
BM (30°-60°)	289.2	5.3	B1/1000		
BH (60°-80°)	122.8	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°	653.3	653.3	653.3	653.3	653.3	653.3	653.3	653.3	653.3	653.3	653.3
2.5°	638.0	640.8	642.9	644.2	645.8	649.1	650.2	651.7	652.5	652.5	654.3
5°	612.8	615.9	620.3	623.9	631.2	640.6	647.3	649.9	654.6	658.8	661.1
7.5°	589.4	593.0	598.2	606.8	619.3	634.3	648.4	652.0	661.1	669.9	674.4
10°	574.3	577.1	583.9	596.1	612.5	633.5	653.3	657.7	673.3	688.1	696.5
12.5°	569.1	571.7	578.7	592.5	612.8	637.4	664.7	671.2	694.1	715.7	727.4
15°	576.6	577.1	584.7	597.7	617.7	647.1	683.7	691.5	720.4	748.5	763.0
17.5°	605.7	603.4	607.3	613.0	628.9	659.8	703.7	715.4	753.9	786.9	800.7
20°	678.5	678.5	669.7	654.1	654.3	679.6	730.8	744.0	791.1	829.3	841.8
22.5°	803.1	800.7	783.0	744.8	709.7	713.6	763.8	781.0	835.8	876.6	880.8
25°	952.8	949.9	922.6	868.8	808.0	768.7	808.5	828.3	889.1	925.2	916.7
27.5°	1111.4	1109.0	1082.0	1015.2	928.6	856.6	861.8	880.5	943.4	979.1	951.8
30°	1265.0	1265.8	1239.0	1170.4	1072.4	968.7	929.4	940.3	996.2	1032.3	993.3
32.5°	1411.1	1412.2	1389.0	1312.3	1220.8	1098.9	1023.0	1020.1	1057.6	1093.2	1048.5
35°	1541.4	1544.0	1528.1	1468.6	1371.6	1244.0	1144.4	1137.6	1144.7	1184.9	1133.0
37.5°	1666.9	1668.5	1656.5	1606.4	1525.3	1403.3	1297.8	1288.2	1273.1	1304.0	1244.5
40°	1804.5	1800.6	1786.8	1741.3	1671.6	1579.3	1462.6	1446.0	1419.7	1447.3	1391.1
42.5°	1932.4	1927.9	1930.3	1878.8	1820.1	1760.3	1654.7	1626.1	1610.8	1642.5	1571.0
45°	2092.2	2089.9	2097.7	2053.0	2005.4	1962.0	1874.9	1843.7	1837.0	1874.1	1788.6
47.5°	2250.0	2255.8	2279.9	2261.0	2241.7	2203.5	2108.1	2094.1	2098.2	2143.2	2018.2
50°	2381.6	2388.4	2454.6	2476.5	2504.3	2481.9	2386.3	2377.7	2394.1	2434.6	2265.1
52.5°	2476.7	2490.5	2572.9	2673.5	2774.9	2790.0	2694.6	2686.8	2708.9	2715.1	2455.9
55°	2542.8	2555.0	2648.3	2832.4	3038.8	3103.8	3044.5	3014.4	3010.2	2948.6	2656.6
57.5°	2554.5	2553.2	2687.3	2935.1	3245.7	3413.4	3376.0	3346.3	3261.1	3164.4	2886.7
60°	2488.4	2496.0	2651.7	2970.7	3375.7	3647.7	3650.5	3612.0	3479.2	3374.2	3109.8
62.5°	2285.1	2315.8	2473.1	2877.4	3374.2	3742.0	3851.7	3822.4	3663.5	3546.0	3335.9
65°	1955.5	1966.4	2116.4	2557.6	3146.2	3702.5	4032.9	4022.0	3829.6	3712.9	3452.2
67.5°	1428.0	1404.4	1561.9	2014.0	2663.7	3472.2	4162.9	4176.7	3957.8	3747.2	3328.4
68°	1303.2	1310.3	1433.0	1879.6	2537.3	3390.8	4171.5	4192.6	3970.5	3724.9	3260.8
70°	776.8	790.3	899.8	1294.1	1930.3	2930.4	4078.9	4127.0	3894.6	3494.3	2820.4
72.5°	198.4	214.5	317.9	579.2	1102.5	2064.7	3443.3	3524.7	3381.4	2834.7	1904.0
75°	81.6	85.8	113.6	190.8	410.8	930.2	2269.5	2443.7	2344.2	1697.1	860.5
77.5°	56.4	59.3	73.1	105.8	177.8	315.3	1112.7	1238.5	1115.8	579.2	187.7
80°	40.6	42.9	52.3	70.5	102.2	112.6	362.7	419.3	333.0	127.1	46.5
82.5°	24.2	26.0	39.0	50.2	62.1	53.8	90.2	102.4	96.4	63.2	20.8
85°	12.0	14.0	26.3	35.9	33.5	22.6	27.6	30.7	38.0	38.5	11.2
87.5°	0.8	1.6	15.3	21.6	9.4	5.2	8.1	9.9	13.5	19.0	4.7
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°	653.3	653.3	653.3	653.3	653.3	653.3	653.3	653.3	653.3	653.3	653.3
2.5°	655.1	655.4	653.6	652.8	653.3	650.2	648.9	649.4	649.4	650.2	648.9
5°	661.6	661.6	658.5	654.3	652.0	646.0	642.1	641.1	640.3	639.8	638.7
7.5°	675.7	674.1	668.6	659.5	651.7	638.7	628.9	623.7	621.1	620.0	619.3
10°	698.3	695.4	686.3	669.4	651.5	628.4	606.8	591.4	578.7	573.5	570.4
12.5°	728.7	724.5	709.2	681.1	649.7	607.0	560.2	515.3	473.4	456.2	447.7
15°	763.8	757.8	733.6	691.0	639.0	558.9	457.3	378.5	320.5	298.7	289.3
17.5°	799.4	791.6	755.0	697.2	607.0	459.4	320.8	242.3	203.6	193.2	189.5
20°	835.3	823.8	773.4	692.6	534.8	331.2	211.6	177.0	165.9	162.7	161.7
22.5°	869.3	851.7	790.1	674.4	423.5	222.3	167.4	156.5	152.9	151.0	150.5
25°	899.0	874.3	804.6	618.2	299.7	167.9	150.8	147.1	142.5	139.1	139.3
27.5°	926.8	896.9	813.4	525.7	199.9	143.5	139.6	134.7	126.1	121.1	121.1
30°	960.3	927.1	819.9	404.5	147.1	126.9	123.7	116.2	104.5	98.0	98.0
32.5°	1010.8	972.8	815.8	283.9	121.9	111.5	104.2	93.8	81.1	74.9	74.6
35°	1088.0	1043.5	786.2	186.1	107.6	97.0	85.3	72.5	61.4	56.2	55.9
37.5°	1192.0	1138.2	719.6	133.1	96.4	83.5	69.4	55.4	47.1	43.7	43.4
40°	1326.9	1248.1	624.5	107.9	86.1	70.5	53.6	42.9	37.2	34.6	34.8
42.5°	1488.9	1365.9	510.3	93.1	75.9	58.0	41.9	33.8	30.2	28.3	27.8
45°	1668.8	1482.1	390.7	82.9	65.8	46.8	32.8	26.8	23.9	22.9	22.9
47.5°	1866.6	1595.2	286.0	74.1	54.9	36.1	26.3	21.8	19.5	18.7	18.5
50°	2046.2	1673.7	206.2	64.7	45.0	28.6	21.3	18.2	16.6	15.6	15.6
52.5°	2196.0	1698.4	151.8	54.6	36.4	22.9	17.7	15.6	14.0	13.3	13.3
55°	2327.8	1688.3	112.8	45.0	29.4	18.7	15.1	13.3	12.0	11.2	11.2
57.5°	2454.1	1655.5	84.2	36.7	23.7	15.1	12.7	11.2	9.9	9.4	9.4
60°	2557.3	1600.9	62.7	29.6	19.0	12.2	10.7	9.1	8.1	7.3	7.3
62.5°	2641.0	1540.6	46.0	24.4	15.1	9.6	8.3	7.5	6.0	5.2	5.2
65°	2641.6	1440.5	34.6	20.3	11.7	7.5	6.2	6.0	3.9	3.1	2.9
67.5°	2450.5	1241.9	26.5	17.4	9.1	5.7	4.7	4.9	2.1	1.3	1.0
68°	2381.1	1191.4	25.0	17.2	8.6	5.5	4.4	4.9	1.8	1.0	0.8
70°	2007.5	947.9	20.0	16.6	7.5	4.2	3.6	4.9	1.6	0.8	0.5
72.5°	1284.0	550.1	14.8	13.3	5.7	3.1	2.3	4.4	1.6	0.5	0.3
75°	546.5	170.5	10.1	9.4	3.4	2.3	1.6	2.9	1.0	0.3	0.0
77.5°	115.2	38.5	6.0	5.7	2.3	1.6	1.0	0.8	0.3	0.0	0.0
80°	29.6	11.2	3.1	2.9	1.3	0.8	0.5	0.0	0.0	0.0	0.0
82.5°	9.4	4.4	1.8	1.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.7	2.6	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	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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