

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: P385957

Luminaire Tested: **GWC-SA1C-735-U-T4W**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385957  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GWC-SA1C-735-U-T4W  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7047.3 lumens  
Efficiency: N/A  
Efficacy: 119.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

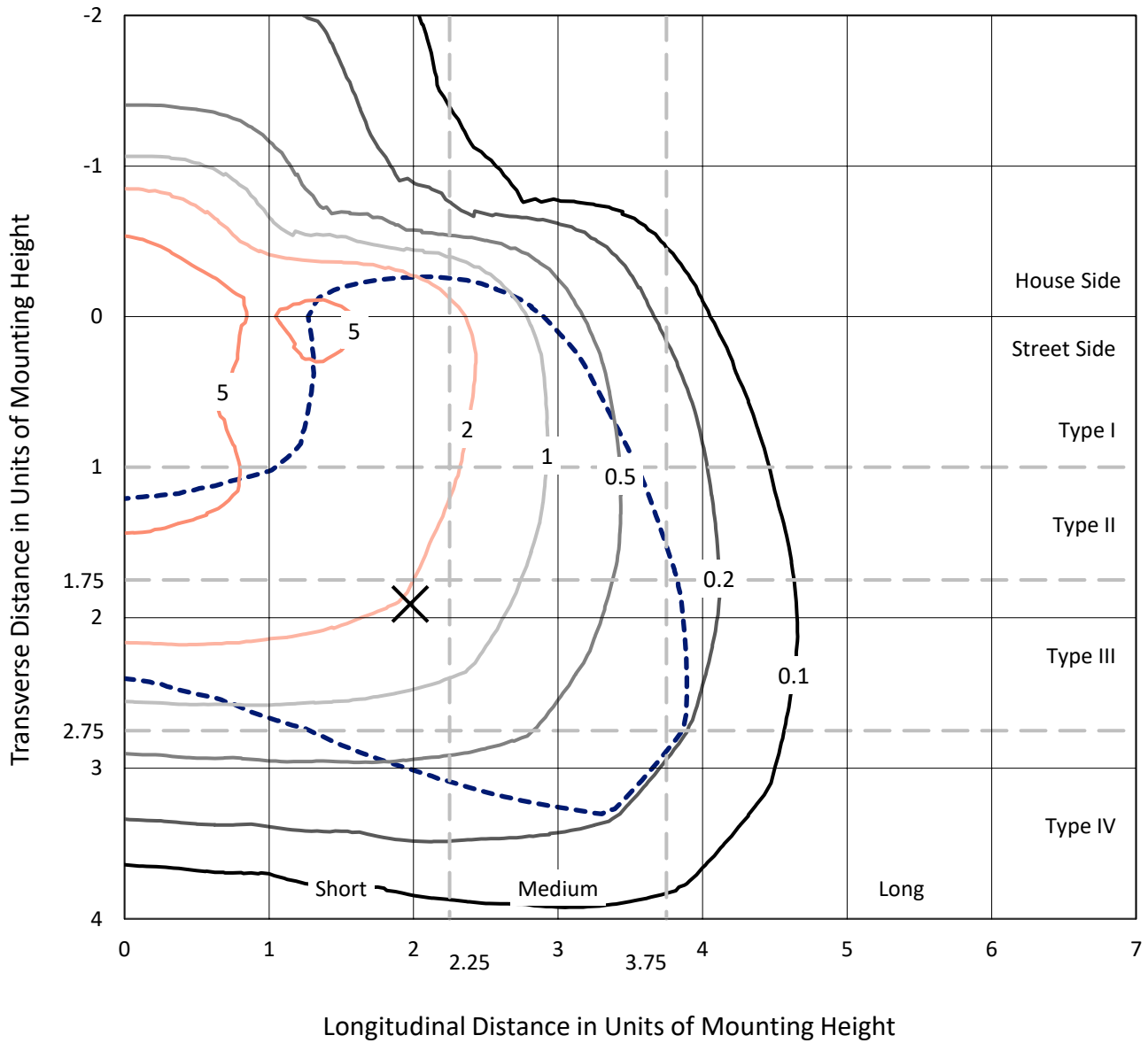
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

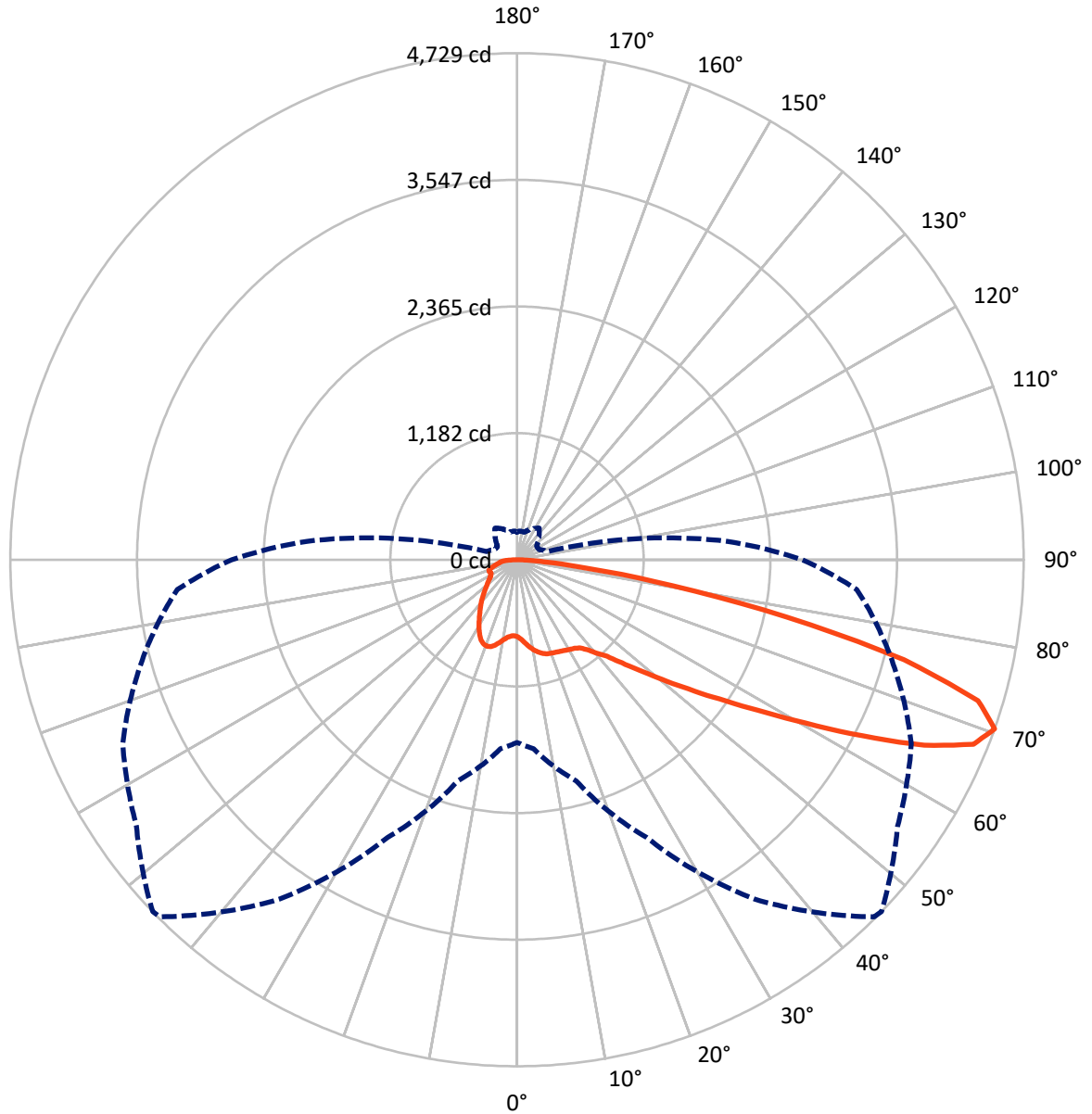
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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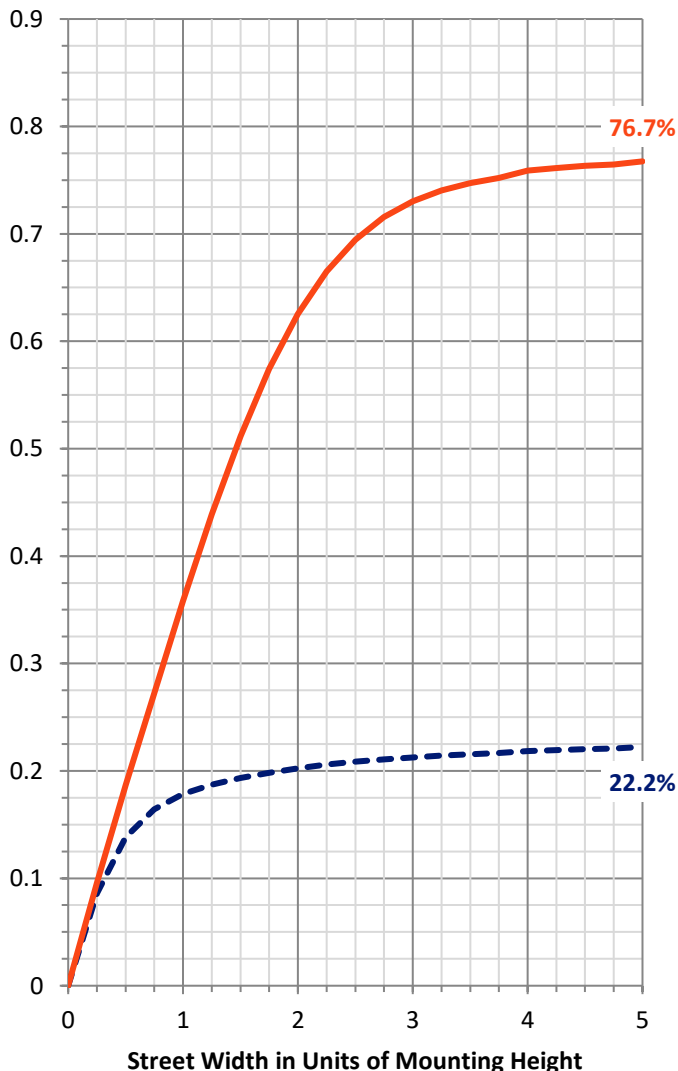
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1615.2	0.0	1615.2
	% Fixture	22.9	0.0	22.9
<b>Street Side</b>	Lumens	5432.1	0.0	5432.1
	% Fixture	77.1	0.0	77.1
<b>Total</b>	Lumens	7047.3	0.0	7047.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.2	1.0
10°-20°	243.9	3.5
20°-30°	406.6	5.8
30°-40°	577.0	8.2
40°-50°	848.7	12.0
50°-60°	1437.3	20.4
60°-70°	2040.3	29.0
70°-80°	1239.5	17.6
80°-90°	180.9	2.6
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°	7047.3	100.0
0°-180°	7047.3	100.0

**Coefficient of Utilization**



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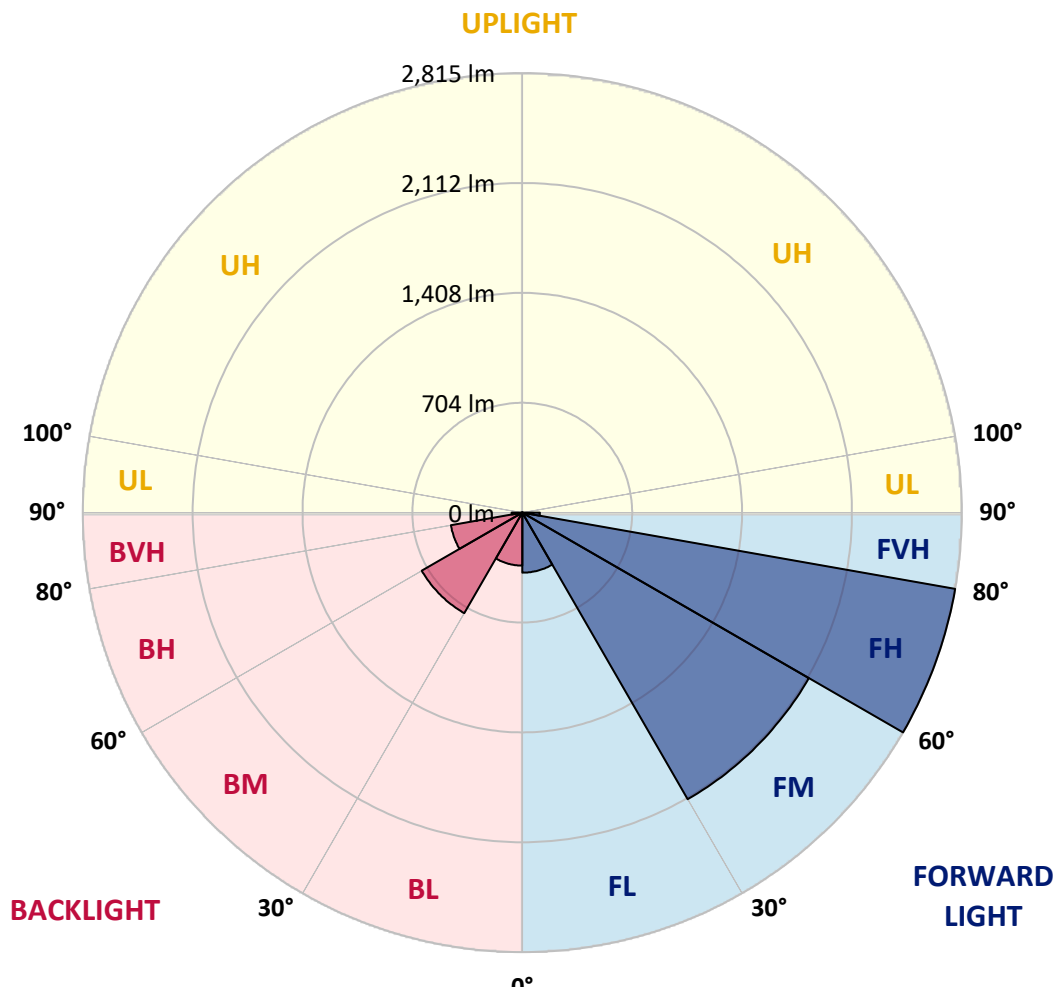
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	384.5	5.5			
FM (30°-60°)	2119.5	30.1			
FH (60°-80°)	2815.4	39.9			G2/5000
FVH (80°-90°)	112.7	1.6			G2/225
BL (0°-30°)	339.1	4.8	B1/500		
BM (30°-60°)	743.5	10.6	B1/1000		
BH (60°-80°)	464.4	6.6	B1/500		G1/500
BVH (80°-90°)	68.2	1.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0
2.5°	754.0	754.4	755.4	752.9	746.2	744.3	743.5	736.6	732.0	725.2	719.4
5°	814.2	814.7	813.2	806.5	791.5	780.4	779.5	763.5	749.1	733.7	722.1
7.5°	877.2	877.9	873.3	860.5	839.5	820.3	819.1	797.4	775.4	752.0	734.6
10°	932.9	930.0	922.5	904.6	879.8	856.2	855.2	832.6	807.2	779.0	755.8
12.5°	970.0	967.6	958.0	936.3	909.0	887.3	885.4	864.3	839.8	808.9	781.2
15°	990.5	992.2	979.2	954.6	928.0	909.7	908.0	893.1	871.1	840.0	808.2
17.5°	993.1	994.6	982.0	957.7	936.0	923.4	922.8	912.9	896.9	867.1	833.7
20°	977.7	978.7	968.3	948.3	934.0	930.2	930.0	925.7	913.8	887.3	854.9
22.5°	955.3	956.0	948.5	934.0	929.2	935.3	937.0	935.3	926.8	902.0	871.6
25°	949.7	949.3	941.6	926.8	930.9	943.7	945.9	946.6	940.8	919.1	892.8
27.5°	976.5	974.8	960.2	936.5	939.1	954.6	957.4	964.5	960.8	941.8	916.9
30°	1053.9	1051.1	1020.9	973.1	960.2	968.0	971.7	982.8	983.5	967.6	949.1
32.5°	1184.7	1181.0	1127.0	1041.6	995.6	981.9	985.2	1001.9	1010.8	998.5	978.5
35°	1349.9	1345.8	1274.9	1158.2	1054.9	1008.2	1010.5	1023.8	1041.6	1024.3	997.7
37.5°	1522.1	1512.1	1443.9	1295.1	1149.3	1064.3	1064.3	1066.0	1074.5	1038.3	1020.5
40°	1693.4	1683.4	1621.7	1456.2	1271.3	1152.8	1147.3	1109.9	1103.1	1072.0	1066.0
42.5°	1852.5	1849.6	1813.2	1638.3	1414.5	1239.9	1232.2	1168.7	1170.2	1150.9	1151.1
45°	2021.8	2021.8	1992.2	1822.1	1581.4	1379.8	1372.1	1278.7	1293.2	1284.2	1305.8
47.5°	2159.9	2164.4	2160.2	2013.6	1775.5	1557.5	1543.5	1431.2	1471.7	1502.3	1564.7
50°	2301.0	2307.8	2308.6	2223.6	2010.2	1768.8	1752.9	1633.5	1724.0	1811.7	1934.5
52.5°	2505.8	2521.1	2460.5	2433.2	2297.7	2019.6	2003.9	1893.7	2044.7	2167.9	2379.5
55°	2695.7	2682.3	2639.2	2656.0	2605.4	2305.2	2293.3	2196.7	2402.1	2562.3	2837.0
57.5°	2798.4	2797.4	2840.8	2913.2	2937.3	2657.3	2647.4	2553.4	2805.1	2925.5	3266.6
60°	2919.0	2920.7	3028.2	3192.4	3291.8	3095.8	3091.5	3020.1	3196.6	3264.6	3603.4
62.5°	2935.9	2966.2	3151.5	3434.1	3623.7	3608.0	3617.7	3440.4	3546.8	3535.2	3855.0
65°	2741.7	2781.7	3117.0	3507.2	3953.6	4168.3	4177.2	3863.2	3822.9	3766.5	3945.0
67.5°	2343.8	2403.1	2767.3	3348.3	4062.4	4582.4	4595.0	4190.9	4052.0	3844.8	3728.4
70°	1705.6	1771.4	2138.1	2859.6	3868.5	4714.8	4729.0	4335.9	4060.7	3621.7	3182.9
72.5°	1030.3	1081.9	1384.1	2105.3	3265.1	4473.6	4498.9	4152.1	3707.4	3067.8	2350.3
75°	452.4	486.2	669.2	1213.1	2337.5	3701.3	3733.0	3554.0	3012.3	2229.5	1389.2
77.5°	192.7	202.3	274.5	527.0	1321.4	2529.2	2572.6	2596.8	2043.7	1213.1	587.0
80°	120.1	124.0	155.3	238.5	618.4	1420.6	1467.3	1527.8	1014.9	445.9	205.0
82.5°	73.1	77.4	103.2	144.2	321.9	644.0	666.4	709.1	393.9	192.7	106.2
85°	43.9	47.1	63.2	91.1	183.3	253.3	253.0	279.8	185.4	124.0	56.0
87.5°	20.9	23.4	33.7	47.3	92.3	95.1	89.0	100.8	112.6	81.3	28.2
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°	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0
2.5°	717.5	716.6	713.4	711.0	710.5	709.1	707.8	708.6	709.5	709.8	709.8
5°	717.2	714.6	710.5	708.9	711.0	713.8	717.5	722.3	725.2	727.4	728.9
7.5°	728.9	723.8	719.2	718.3	722.6	730.3	738.5	748.6	755.6	760.4	761.4
10°	748.1	741.8	737.2	738.3	746.0	757.1	768.6	781.7	792.3	798.8	799.2
12.5°	770.3	764.3	760.0	764.0	776.9	790.3	802.4	813.7	823.4	829.9	829.9
15°	795.9	791.5	786.5	795.9	813.2	825.4	830.3	836.0	841.2	846.0	845.1
17.5°	820.5	816.4	813.7	824.8	842.9	848.5	845.1	840.9	840.9	843.7	844.1
20°	841.7	838.1	839.8	850.6	860.0	854.3	841.7	828.6	823.4	824.8	826.3
22.5°	860.3	858.6	863.7	868.8	862.0	841.7	818.6	800.9	794.4	794.0	794.4
25°	882.0	881.7	888.0	878.9	848.9	811.5	780.4	763.4	759.7	762.6	767.4
27.5°	909.0	911.7	914.8	881.2	822.4	766.0	734.4	722.6	726.2	733.2	737.8
30°	943.5	950.8	944.0	875.2	784.3	713.8	683.8	680.4	690.3	700.1	704.9
32.5°	977.0	988.3	972.0	859.5	735.1	658.6	635.2	634.3	646.4	656.0	662.7
35°	1004.0	1026.5	992.9	828.5	678.1	607.8	590.6	584.1	588.4	599.8	607.5
37.5°	1039.3	1076.6	1007.4	780.9	616.4	565.8	545.8	530.9	527.0	531.5	535.5
40°	1103.6	1153.1	1014.2	714.6	556.1	523.8	503.6	481.6	466.4	455.3	455.6
42.5°	1208.8	1252.7	1009.8	634.1	500.4	482.8	459.9	434.6	410.0	385.0	383.0
45°	1379.5	1400.7	996.8	548.7	451.5	439.9	418.4	393.1	360.4	331.9	329.2
47.5°	1652.8	1605.8	976.5	474.1	408.4	403.5	383.7	354.5	319.8	296.8	295.0
50°	2025.4	1901.7	966.6	414.8	370.2	371.6	355.5	324.7	291.9	275.0	273.0
52.5°	2471.1	2246.4	985.7	369.0	339.6	344.7	332.5	303.6	276.2	262.8	261.0
55°	2933.4	2603.2	1006.2	335.7	310.7	320.5	316.4	292.5	267.7	255.4	253.7
57.5°	3329.2	2869.8	965.2	308.7	284.8	300.2	303.9	285.6	263.4	252.2	250.3
60°	3578.3	2977.1	857.7	283.4	264.3	284.1	296.7	283.6	265.1	264.1	262.7
62.5°	3696.5	2967.7	696.3	263.4	251.6	277.1	301.9	294.5	284.4	293.0	293.7
65°	3643.4	2825.9	518.5	250.1	242.4	279.8	317.9	315.0	289.9	298.5	299.8
67.5°	3294.3	2487.5	383.9	238.5	232.2	287.3	346.8	321.7	279.0	285.3	281.4
70°	2662.6	1972.1	296.2	225.5	221.9	286.2	359.9	317.6	267.3	268.7	258.3
72.5°	1836.0	1344.8	241.0	213.4	206.9	261.0	350.7	307.5	257.3	246.2	232.5
75°	998.5	721.8	204.8	200.9	180.6	229.1	333.8	300.2	248.4	233.7	226.0
77.5°	392.9	299.6	177.7	183.7	158.0	202.3	315.0	286.5	236.1	216.8	213.0
80°	160.4	152.9	147.4	158.9	135.7	177.0	292.3	270.4	221.4	201.1	193.4
82.5°	90.9	95.1	114.6	125.4	110.2	163.1	281.4	257.3	203.8	180.2	171.0
85°	46.6	55.7	79.8	90.0	81.1	138.7	259.3	225.3	163.5	138.0	138.7
87.5°	22.5	31.1	50.4	56.5	52.6	100.3	193.7	163.3	127.4	100.8	97.7
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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