

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: P386610

Luminaire Tested: **GWC-SA2B-735-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386610
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA2B-735-U-SL3-HSS
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9572.4 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

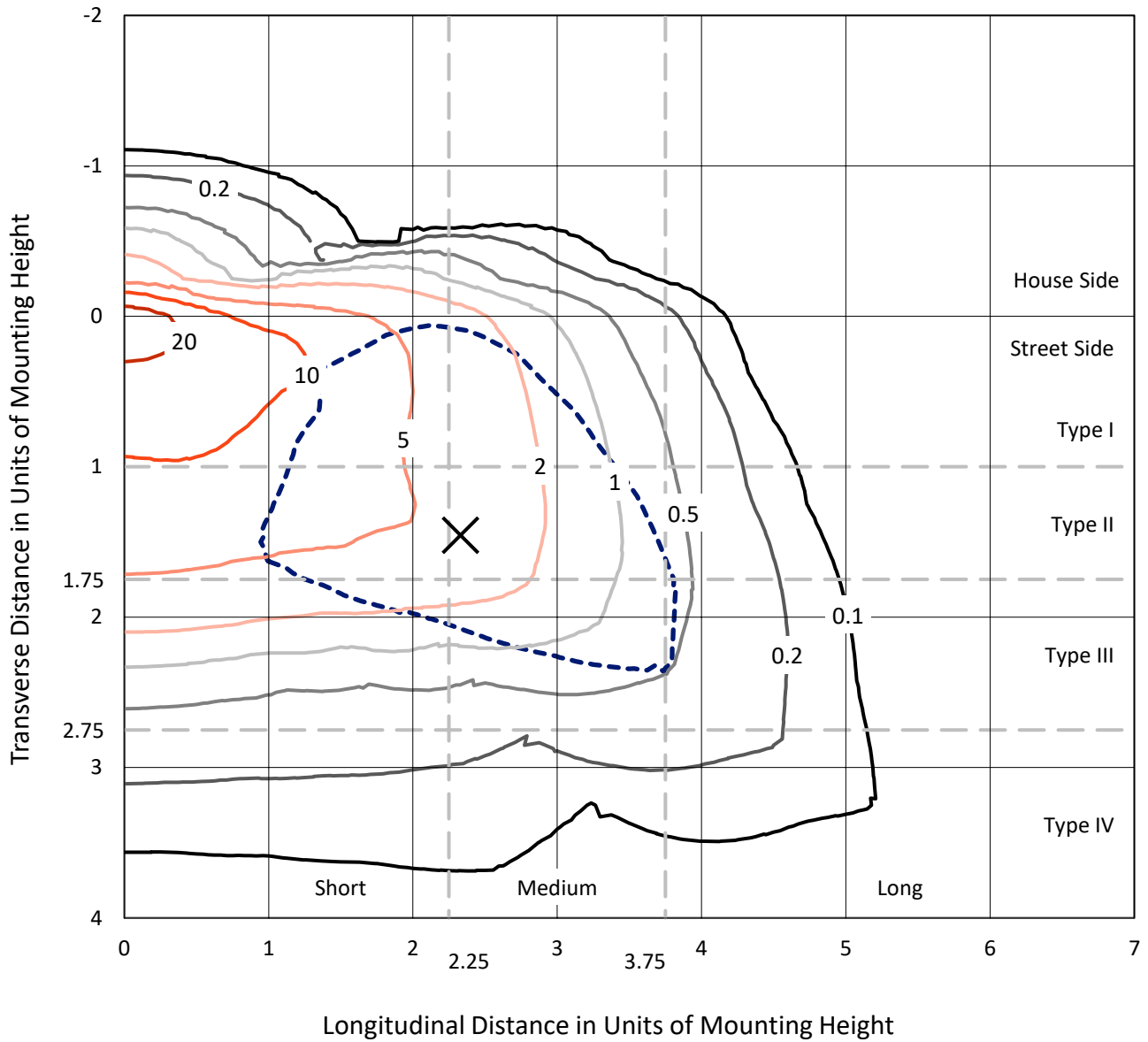
Input Watts (W): 86
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

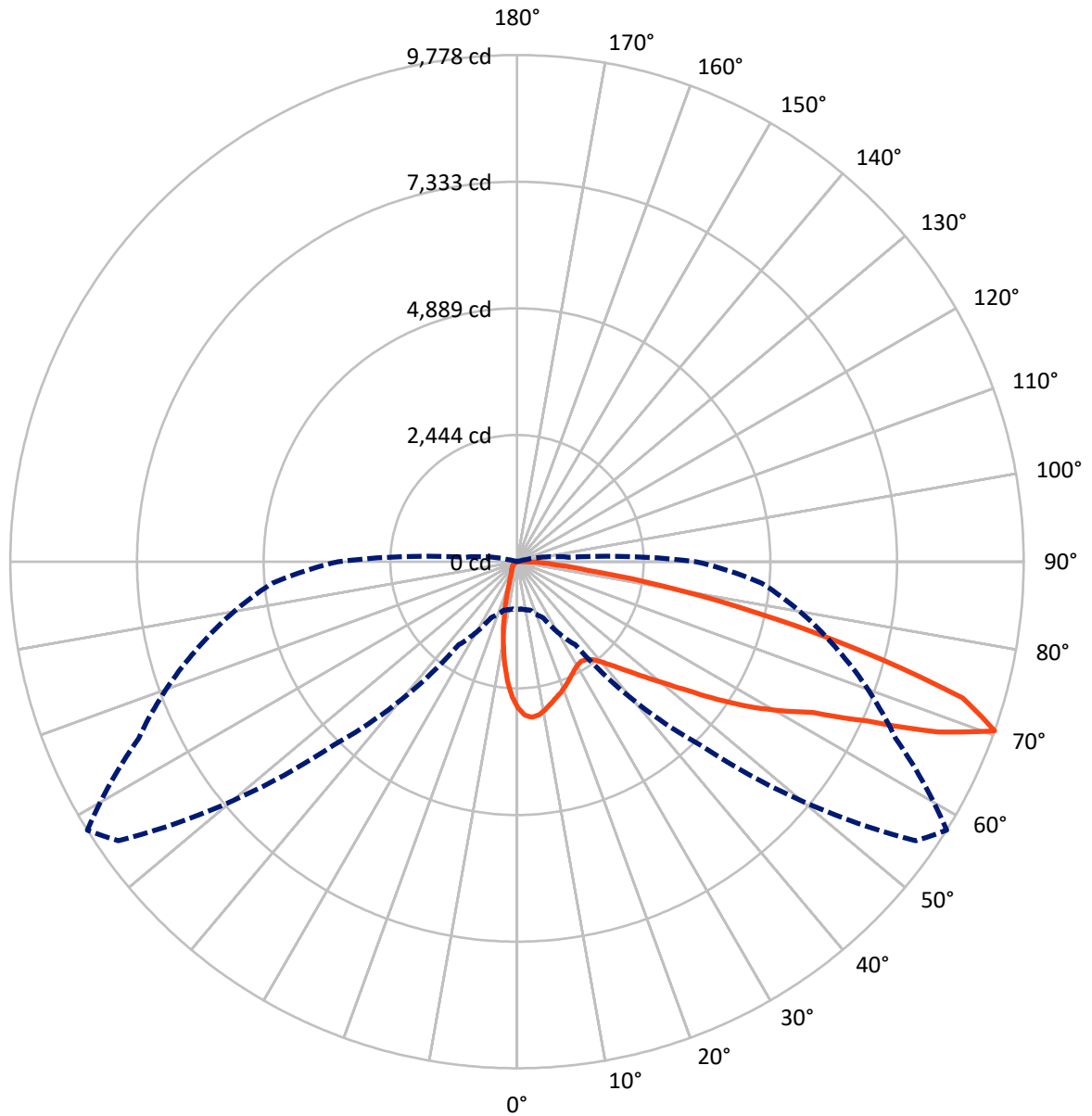
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 28.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



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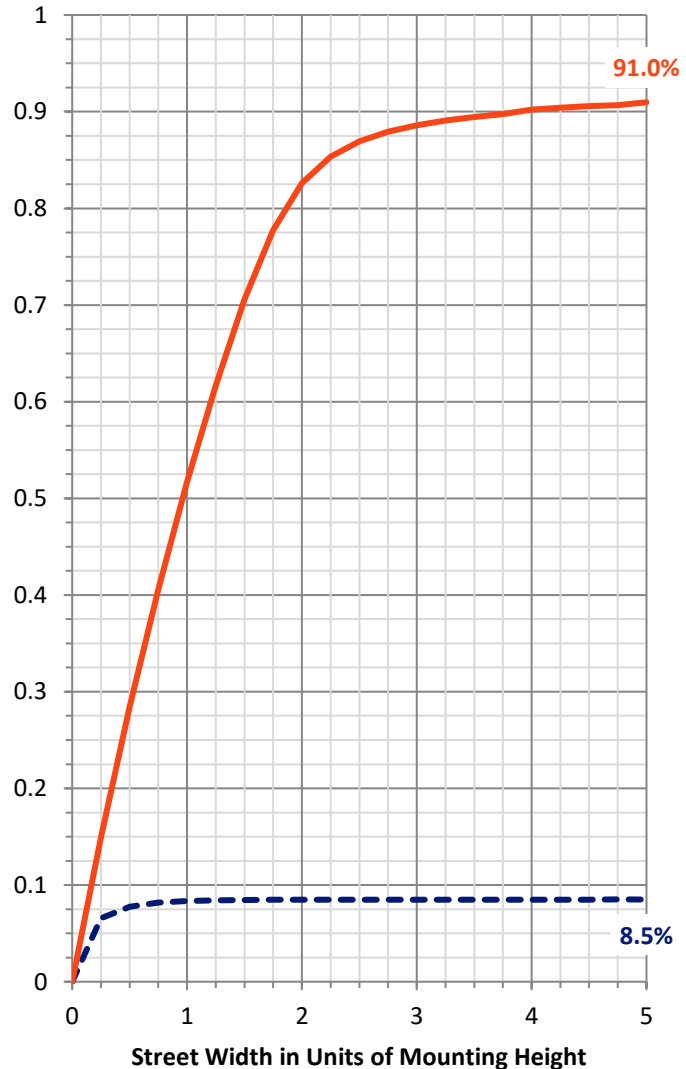
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	819.2	0.0	819.2
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	8753.2	0.0	8753.2
	% Fixture	91.4	0.0	91.4
Total	Lumens	9572.4	0.0	9572.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.2	2.4
10°-20°	485.3	5.1
20°-30°	638.0	6.7
30°-40°	845.0	8.8
40°-50°	1262.9	13.2
50°-60°	2023.2	21.1
60°-70°	2550.2	26.6
70°-80°	1375.6	14.4
80°-90°	161.0	1.7
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°	9572.4	100.0
0°-180°	9572.4	100.0



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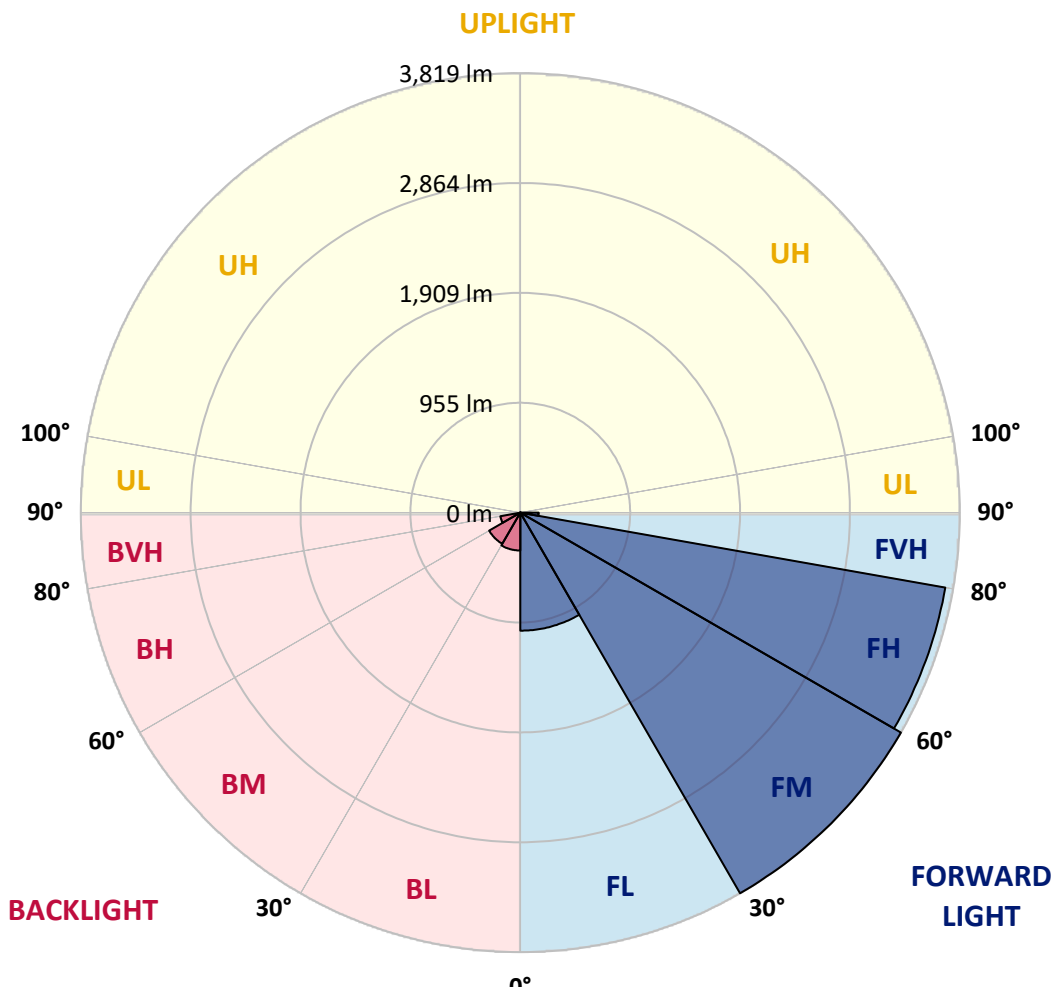
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1025.4	10.7			
FM (30°-60°)	3818.6	39.9			
FH (60°-80°)	3749.6	39.2			G2/5000
FVH (80°-90°)	159.6	1.7			G2/225
BL (0°-30°)	329.1	3.4	B1/500		
BM (30°-60°)	312.5	3.3	B1/1000		
BH (60°-80°)	176.2	1.8	B1/500		G1/500
BVH (80°-90°)	1.4	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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2827.7	2827.7	2827.7	2827.7	2827.7	2827.7	2827.7	2827.7	2827.7	2827.7	2827.7
2.5°	3062.0	3054.5	3051.7	3046.9	3028.7	3010.8	2975.3	2965.4	2943.1	2890.1	2834.1
5°	3064.5	3064.1	3072.5	3070.4	3064.1	3055.8	3030.2	3017.1	2979.3	2903.7	2801.0
7.5°	2916.8	2924.3	2943.1	2958.2	2975.7	2998.5	3001.6	2988.9	2957.8	2876.2	2740.1
10°	2718.6	2730.5	2756.8	2786.6	2832.5	2877.8	2918.4	2916.8	2906.0	2825.7	2666.8
12.5°	2519.9	2533.9	2564.2	2608.3	2673.2	2747.3	2819.7	2829.6	2847.6	2780.3	2599.2
15°	2346.0	2358.0	2387.8	2442.0	2522.4	2621.8	2728.1	2746.4	2792.6	2744.8	2542.7
17.5°	2198.4	2205.9	2227.8	2287.9	2381.1	2501.7	2639.8	2675.6	2744.4	2717.0	2493.7
20°	2095.2	2096.4	2110.8	2153.0	2246.1	2381.1	2548.2	2599.6	2693.5	2693.1	2443.2
22.5°	2044.3	2040.4	2043.1	2067.4	2135.9	2266.0	2456.7	2517.6	2647.8	2672.9	2391.8
25°	2034.7	2031.5	2023.6	2026.8	2068.2	2165.3	2364.4	2434.8	2607.6	2660.5	2347.3
27.5°	2064.6	2067.8	2054.3	2039.9	2043.1	2100.0	2282.4	2363.9	2574.9	2660.5	2315.8
30°	2124.7	2126.3	2116.4	2097.7	2072.6	2081.7	2225.4	2307.1	2558.5	2678.8	2295.9
32.5°	2191.2	2200.0	2198.7	2183.6	2147.8	2110.8	2211.9	2286.3	2557.4	2719.4	2293.9
35°	2273.6	2283.6	2300.3	2297.1	2259.6	2198.7	2258.0	2316.5	2580.9	2786.2	2315.4
37.5°	2361.2	2376.3	2412.1	2429.2	2404.9	2336.1	2361.5	2403.3	2643.7	2894.6	2369.9
40°	2445.9	2463.1	2528.3	2595.6	2577.3	2506.4	2518.4	2551.8	2755.6	3050.1	2473.4
42.5°	2529.1	2554.6	2650.5	2761.2	2783.0	2726.6	2732.9	2759.6	2921.6	3264.3	2642.5
45°	2628.6	2657.3	2799.4	2935.9	2994.4	2969.7	2996.9	3014.3	3138.5	3547.3	2870.6
47.5°	2774.7	2807.8	2982.1	3137.8	3240.4	3256.3	3310.9	3322.4	3412.7	3876.9	3168.0
50°	3059.7	3068.8	3226.4	3367.8	3515.9	3611.4	3673.5	3682.2	3744.7	4237.1	3539.4
52.5°	3418.4	3424.3	3513.4	3608.2	3776.6	3971.6	4116.9	4129.2	4142.4	4588.2	3905.9
55°	3774.6	3773.8	3832.7	3888.4	4081.1	4364.4	4679.7	4687.3	4593.0	4921.3	4186.1
57.5°	3997.1	4018.5	4108.2	4179.7	4448.9	4812.2	5249.7	5277.5	5066.2	5168.1	4463.2
60°	3926.2	3936.6	4135.2	4400.3	4907.0	5448.7	5826.5	5833.6	5422.1	5414.5	4813.5
62.5°	3345.1	3350.6	3662.7	4209.2	5139.0	6274.2	6522.2	6405.6	5831.2	5756.4	5232.6
65°	2292.7	2328.9	2589.6	3265.1	4712.8	6792.1	7599.3	7406.3	6455.0	6249.1	5611.5
67.5°	1350.1	1342.6	1471.6	1969.1	3461.3	6448.2	8961.8	8769.9	7305.6	6579.1	5500.4
70°	922.2	917.0	966.4	1192.1	1953.9	5002.1	9390.5	9777.8	8056.6	6357.1	4733.9
72.5°	658.3	661.1	733.9	926.2	1226.8	2914.4	8075.3	8992.1	7821.4	5541.9	3598.3
75°	447.0	454.6	558.8	759.9	1075.5	1482.6	5730.5	6835.5	6369.0	4027.7	2068.2
77.5°	240.4	248.8	371.8	612.2	972.4	1030.1	3686.2	4704.4	4000.7	1810.7	599.4
80°	100.3	105.1	174.0	445.0	840.3	904.7	2168.9	2852.8	1704.8	357.1	133.8
82.5°	43.4	45.7	72.4	265.5	628.1	763.8	1148.3	1372.5	516.7	78.4	67.3
85°	8.4	8.7	29.9	140.5	400.8	431.1	744.3	729.6	232.0	33.8	48.9
87.5°	0.0	0.0	7.1	44.2	117.8	234.8	454.2	448.6	78.8	16.3	18.3
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°	2827.7	2827.7	2827.7	2827.7	2827.7	2827.7	2827.7	2827.7	2827.7	2827.7	2827.7
2.5°	2805.3	2777.9	2720.2	2648.9	2594.4	2534.3	2486.6	2426.0	2399.8	2401.0	2386.6
5°	2742.5	2685.9	2558.2	2397.0	2272.8	2144.6	2034.4	1924.5	1859.6	1838.5	1818.7
7.5°	2652.5	2562.9	2359.2	2110.8	1900.6	1695.2	1516.6	1359.3	1259.8	1211.3	1193.3
10°	2551.0	2425.2	2130.3	1803.1	1503.0	1225.2	993.5	792.1	711.7	657.2	643.2
12.5°	2461.9	2291.5	1906.6	1487.4	1131.2	796.0	575.2	449.8	395.2	373.8	370.2
15°	2377.9	2166.5	1691.3	1201.7	783.4	490.0	365.8	323.2	310.5	306.9	306.9
17.5°	2298.7	2047.5	1480.7	920.2	518.3	343.5	302.9	293.4	289.3	289.0	289.3
20°	2215.8	1928.5	1273.7	674.3	361.9	290.9	279.8	274.7	273.5	273.5	273.5
22.5°	2136.7	1809.5	1072.3	481.6	290.2	265.5	259.9	256.4	255.1	254.8	253.9
25°	2060.7	1696.5	875.7	340.3	254.8	243.2	238.4	233.6	230.1	228.1	226.9
27.5°	1998.2	1595.7	692.6	273.1	230.1	220.1	214.2	206.9	198.2	194.3	192.7
30°	1948.4	1503.8	533.8	230.4	206.9	197.0	187.9	175.6	162.8	156.0	155.7
32.5°	1909.4	1413.4	405.2	203.8	186.3	174.0	160.8	145.3	130.6	123.0	122.6
35°	1890.2	1333.8	309.7	184.3	168.0	152.5	136.1	119.0	104.6	97.5	96.8
37.5°	1903.0	1266.6	241.6	168.0	152.5	134.5	115.5	97.5	84.8	78.4	78.0
40°	1949.6	1223.6	196.2	154.1	139.3	117.4	96.8	80.0	69.2	64.1	63.7
42.5°	2048.7	1207.7	167.6	142.5	126.5	101.5	80.4	66.0	56.1	52.5	51.8
45°	2214.2	1231.2	148.0	131.3	113.5	86.3	66.5	54.1	45.4	42.6	42.2
47.5°	2434.8	1292.8	134.1	120.6	101.5	72.8	55.3	43.8	37.0	34.2	33.8
50°	2719.0	1390.8	122.6	109.8	90.4	61.7	45.7	34.7	28.7	26.7	26.7
52.5°	3028.2	1507.4	112.3	100.0	79.2	51.4	37.0	26.7	22.7	20.3	20.3
55°	3283.8	1609.3	101.1	92.3	65.7	42.6	28.3	20.3	16.7	15.5	15.5
57.5°	3539.0	1718.0	88.4	79.2	52.5	34.7	21.5	15.1	12.3	11.6	11.6
60°	3869.7	1850.9	76.0	64.4	41.4	26.3	15.9	10.7	9.1	8.7	8.7
62.5°	4233.5	1928.9	64.9	51.8	32.2	19.5	11.6	7.1	6.8	6.8	6.4
65°	4456.0	1818.7	54.5	41.4	25.1	14.7	7.6	5.2	6.0	5.5	4.8
67.5°	4172.2	1423.7	44.6	32.2	19.5	11.2	4.8	3.6	6.4	5.2	3.9
70°	3454.5	996.7	34.7	22.7	15.5	9.6	3.2	2.3	6.8	5.2	3.2
72.5°	2585.2	667.1	27.4	15.1	11.6	8.4	2.8	1.2	6.0	4.4	2.8
75°	1412.7	268.7	21.9	9.6	7.1	6.0	2.0	0.8	3.9	3.2	2.0
77.5°	371.8	70.8	15.9	6.4	3.9	2.3	1.2	0.4	2.0	1.6	0.8
80°	94.7	27.4	10.3	4.4	2.8	1.2	0.0	0.0	0.4	0.0	0.0
82.5°	50.5	11.6	6.4	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	38.2	7.6	3.6	2.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.7	2.3	1.2	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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