

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: P386583

Luminaire Tested: **GWC-SA2B-730-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386583
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA2B-730-U-SL3
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10863 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

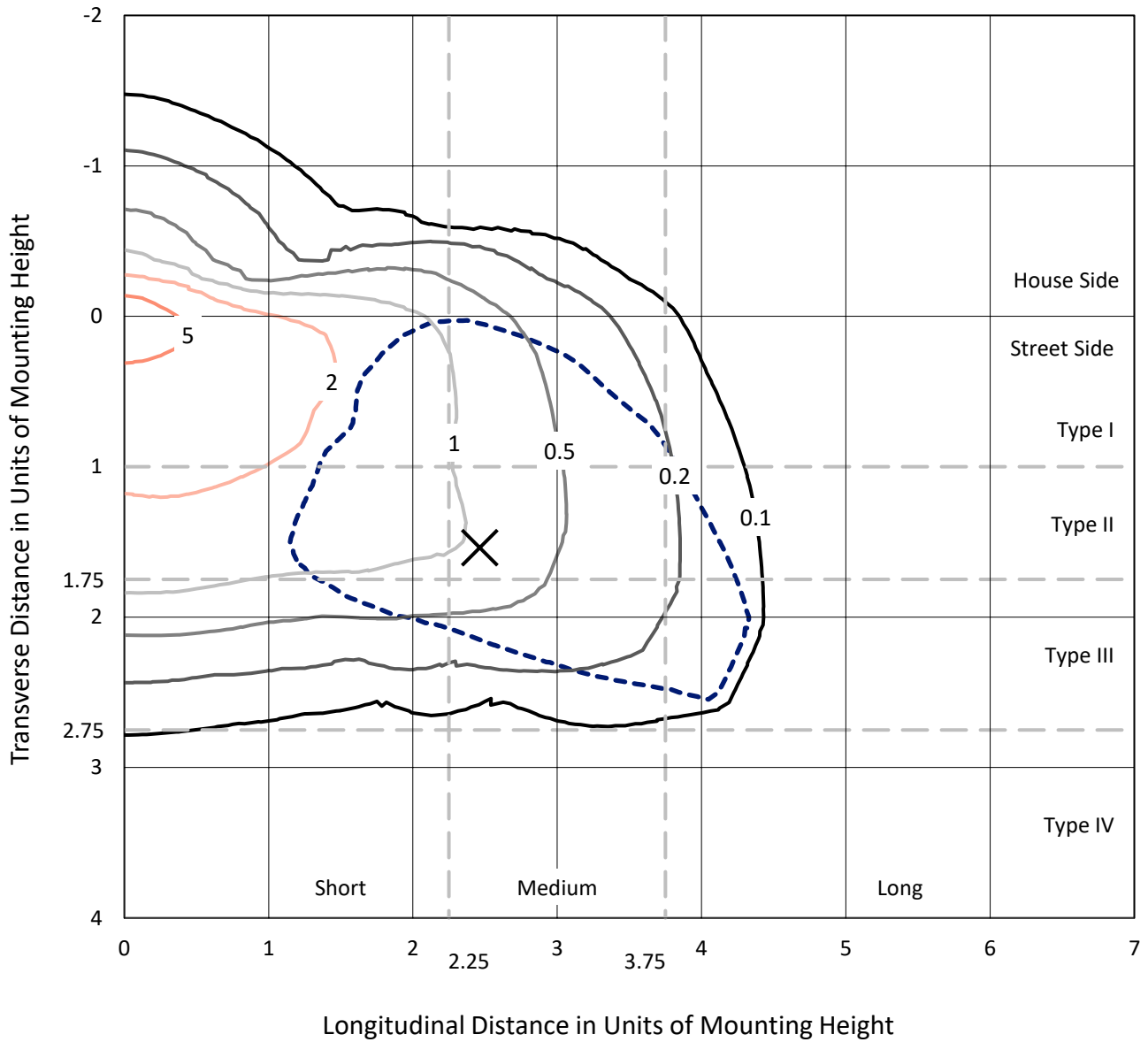
Input Watts (W): 86
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

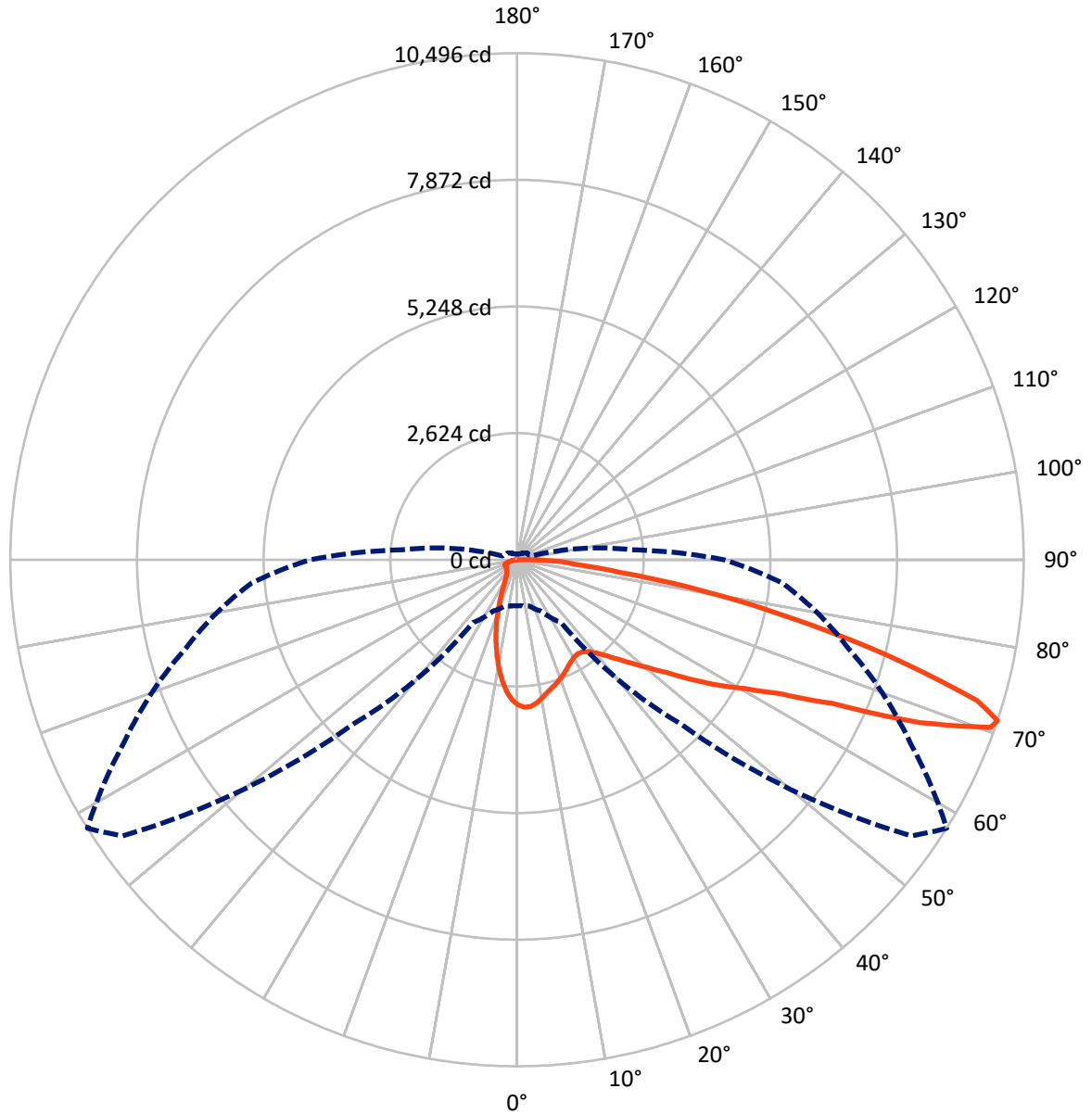
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical



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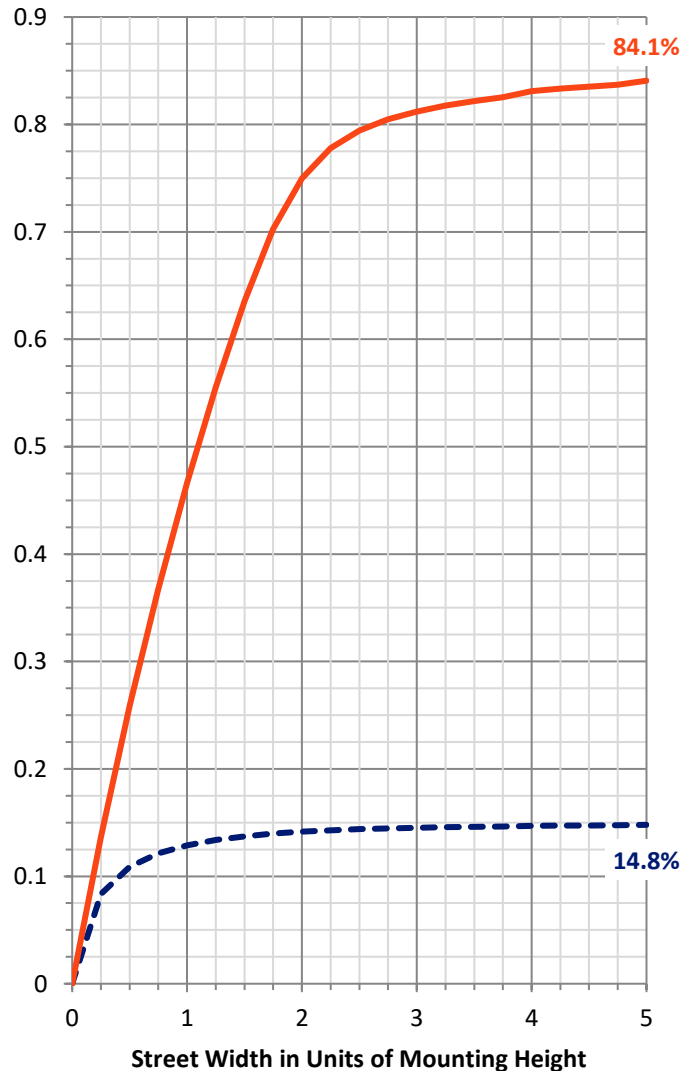
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1624.1	0.0	1624.1
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	9238.9	0.0	9238.9
	% Fixture	85.0	0.0	85.0
Total	Lumens	10863.0	0.0	10863.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.7	2.4
10°-20°	577.4	5.3
20°-30°	733.8	6.8
30°-40°	934.7	8.6
40°-50°	1325.4	12.2
50°-60°	2051.2	18.9
60°-70°	2792.4	25.7
70°-80°	1862.9	17.1
80°-90°	325.7	3.0
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°	10863.0	100.0
0°-180°	10863.0	100.0

Coefficient of Utilization



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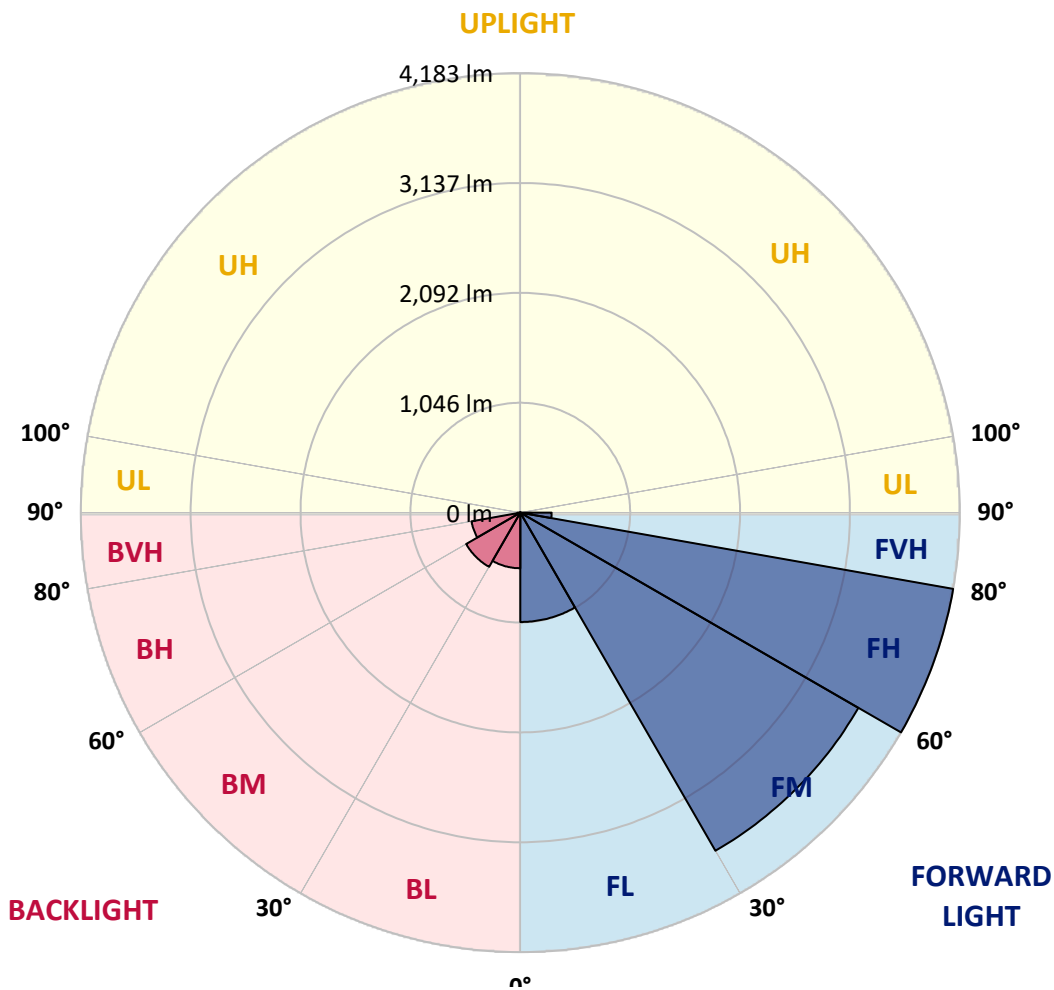
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1041.4	9.6			
FM (30°-60°)	3715.7	34.2			
FH (60°-80°)	4183.2	38.5			G2/5000
FVH (80°-90°)	298.6	2.7			G3/500
BL (0°-30°)	529.4	4.9	B2/1000		
BM (30°-60°)	595.6	5.5	B1/1000		
BH (60°-80°)	472.0	4.3	B1/500		G1/500
BVH (80°-90°)	27.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3009.8	3009.8	3009.8	3009.8	3009.8	3009.8	3009.8	3009.8	3009.8	3009.8	3009.8
2.5°	3089.6	3085.5	3087.0	3083.9	3076.8	3069.6	3059.0	3060.9	3046.1	3024.2	2996.9
5°	3031.3	3029.8	3041.2	3047.6	3052.9	3048.8	3045.7	3049.5	3027.9	2997.7	2950.4
7.5°	2909.1	2892.5	2906.9	2928.4	2948.9	2964.4	2984.8	2987.5	2973.8	2942.0	2880.0
10°	2735.4	2719.5	2740.7	2774.4	2815.3	2852.4	2893.6	2901.2	2903.8	2875.1	2799.8
12.5°	2555.3	2543.2	2564.4	2611.7	2679.4	2736.6	2802.4	2813.8	2837.2	2817.9	2725.6
15°	2394.1	2389.6	2415.3	2461.9	2539.8	2627.2	2722.2	2743.0	2782.7	2776.3	2667.7
17.5°	2254.9	2253.7	2273.4	2322.2	2408.5	2519.0	2642.4	2677.5	2736.6	2744.1	2620.0
20°	2151.2	2148.9	2162.5	2198.5	2287.4	2412.7	2556.1	2604.5	2689.7	2716.1	2570.8
22.5°	2095.6	2095.2	2095.6	2112.6	2185.2	2301.8	2472.1	2531.1	2643.9	2693.8	2516.3
25°	2086.1	2085.0	2076.6	2074.8	2116.0	2209.1	2388.8	2453.9	2600.4	2678.3	2464.5
27.5°	2110.7	2112.2	2101.2	2083.5	2091.8	2148.2	2316.6	2386.2	2565.5	2675.3	2428.6
30°	2161.8	2161.0	2151.6	2133.0	2116.8	2125.5	2265.1	2334.7	2542.1	2688.5	2404.0
32.5°	2218.2	2222.3	2220.4	2210.2	2186.0	2151.2	2249.6	2317.7	2535.3	2720.3	2393.4
35°	2285.9	2290.4	2304.1	2312.0	2283.6	2227.6	2282.9	2341.9	2554.9	2780.1	2410.4
37.5°	2350.2	2362.0	2400.2	2433.9	2409.6	2347.2	2371.4	2413.4	2615.9	2874.3	2456.2
40°	2424.4	2434.6	2497.0	2568.6	2564.8	2500.1	2514.1	2542.1	2723.3	3009.4	2539.1
42.5°	2497.4	2517.9	2608.3	2709.7	2738.8	2681.7	2704.0	2718.8	2874.7	3188.4	2683.6
45°	2594.7	2616.6	2742.2	2864.5	2932.6	2900.4	2936.0	2941.7	3065.0	3432.1	2893.6
47.5°	2741.9	2766.8	2913.3	3041.6	3145.6	3149.0	3207.7	3205.4	3302.7	3710.9	3158.1
50°	2971.2	3007.1	3127.1	3247.0	3373.4	3443.8	3522.1	3511.2	3587.6	4008.0	3462.7
52.5°	3271.6	3288.3	3377.2	3465.7	3622.8	3780.6	3893.0	3883.1	3910.7	4313.4	3808.6
55°	3583.1	3595.5	3632.2	3680.7	3891.8	4149.1	4386.8	4371.3	4301.2	4630.5	4150.3
57.5°	3863.1	3888.4	3913.8	3933.8	4162.8	4534.3	4891.9	4893.1	4725.1	4972.5	4503.3
60°	3906.6	3928.9	4096.5	4254.7	4626.3	5048.2	5432.7	5421.3	5163.6	5343.7	4896.8
62.5°	3453.3	3503.6	3783.6	4204.4	5072.8	5988.1	6122.5	6108.5	5688.1	5801.2	5355.1
65°	2474.7	2531.9	2869.8	3502.1	4856.4	7023.8	7367.4	7179.0	6403.2	6363.9	5891.7
67.5°	1427.7	1441.3	1587.8	2095.6	3697.7	7077.9	9266.6	9002.8	7513.8	7002.3	6154.3
70°	1055.7	1055.4	1090.2	1289.6	2001.0	5776.6	10169.8	10406.3	8683.1	7212.3	5783.1
71°	954.7	955.8	994.8	1173.8	1584.7	4835.2	9978.0	10495.6	8991.1	7108.6	5514.4
72.5°	816.6	820.4	874.5	1052.7	1333.1	3334.4	9151.6	9959.8	9137.2	6852.8	5094.0
75°	619.4	628.1	703.1	887.3	1218.4	1691.1	6716.6	7953.2	8117.0	6046.8	3785.1
77.5°	442.0	451.8	536.6	746.2	1158.3	1274.4	4498.0	5801.2	5973.4	3875.2	1707.3
80°	279.3	291.0	354.9	593.7	1088.3	1210.1	2826.6	3899.4	3257.2	1240.0	434.4
82.5°	163.8	172.9	220.2	387.9	888.9	1165.5	1663.1	2161.4	1267.6	374.6	197.5
85°	95.0	99.1	137.4	247.1	645.5	1100.0	1221.8	1208.2	550.2	183.1	93.5
87.5°	44.3	49.2	81.4	129.0	358.3	797.3	965.7	834.4	342.1	85.9	43.9
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°	3009.8	3009.8	3009.8	3009.8	3009.8	3009.8	3009.8	3009.8	3009.8	3009.8	3009.8
2.5°	2983.7	2977.2	2950.4	2926.5	2901.6	2869.0	2833.1	2828.5	2806.6	2810.7	2803.2
5°	2924.6	2908.4	2843.7	2785.0	2715.8	2653.7	2586.3	2555.3	2510.7	2507.6	2496.3
7.5°	2840.3	2810.0	2709.7	2598.5	2487.2	2381.3	2276.4	2207.6	2137.2	2107.3	2104.6
10°	2745.3	2693.8	2546.2	2381.6	2221.2	2066.4	1916.6	1805.7	1705.8	1658.5	1656.6
12.5°	2655.2	2579.2	2376.7	2152.7	1933.2	1732.7	1527.2	1381.5	1256.3	1214.3	1196.5
15°	2578.8	2471.7	2211.7	1925.3	1658.9	1380.4	1146.5	993.3	877.5	837.4	829.8
17.5°	2504.6	2366.9	2042.6	1695.6	1373.6	1067.5	833.2	719.3	657.7	641.4	641.0
20°	2430.8	2259.0	1865.9	1460.6	1097.7	798.4	640.6	589.5	568.7	566.8	563.8
22.5°	2347.2	2144.8	1680.1	1224.9	856.7	627.8	544.5	524.1	521.4	528.2	528.2
25°	2268.9	2031.2	1491.6	994.1	666.4	523.7	486.2	482.1	489.3	501.4	502.5
27.5°	2195.8	1921.9	1307.7	789.0	533.9	461.3	445.8	450.7	463.5	477.5	477.9
30°	2135.7	1818.6	1129.1	621.7	451.1	414.7	412.1	421.9	435.9	446.9	449.5
32.5°	2089.1	1730.4	956.6	499.9	396.9	379.9	382.2	390.5	399.2	405.3	409.4
35°	2067.6	1654.7	797.3	421.5	362.5	353.0	356.1	360.6	364.4	368.9	372.3
37.5°	2071.4	1596.1	655.0	372.7	339.4	334.5	334.5	334.5	334.5	336.8	337.2
40°	2106.5	1562.4	539.2	341.7	323.9	318.6	314.4	310.7	307.6	309.2	308.4
42.5°	2196.6	1559.4	454.5	322.0	311.4	302.7	294.4	289.1	285.3	286.8	287.6
45°	2349.5	1597.2	397.3	308.0	299.7	286.4	275.9	270.2	267.5	272.4	273.2
47.5°	2547.4	1679.7	362.5	297.8	288.7	271.3	260.0	254.7	255.4	262.6	264.5
50°	2802.4	1813.7	345.9	291.4	281.1	258.4	246.7	242.2	244.4	254.7	256.9
52.5°	3082.4	2006.6	347.7	289.5	276.2	249.0	236.5	231.2	235.0	244.4	246.3
55°	3405.6	2238.6	379.2	292.1	269.0	242.9	228.2	219.1	222.1	230.8	232.3
57.5°	3764.7	2504.2	442.3	291.4	260.0	237.3	219.5	205.8	208.1	213.4	214.9
60°	4138.5	2825.1	540.4	293.6	255.8	230.4	207.7	190.7	190.0	194.5	195.3
62.5°	4587.3	3196.3	652.4	295.2	258.4	221.7	192.2	175.6	173.3	174.4	175.2
65°	5049.7	3465.0	610.4	289.1	266.8	214.6	178.6	160.8	156.7	155.9	156.3
67.5°	5064.1	3177.0	428.0	277.0	270.2	210.8	168.4	148.3	141.5	138.9	138.5
70°	4541.5	2581.1	333.4	264.1	256.6	204.7	158.9	138.1	127.9	123.7	123.4
71°	4286.5	2376.0	316.0	257.7	246.3	198.7	154.8	133.6	123.0	118.4	117.7
72.5°	3886.5	2130.0	294.8	247.5	226.7	183.1	146.8	127.1	116.2	110.9	109.7
75°	2789.2	1392.9	253.1	220.6	187.7	146.1	128.7	114.3	104.8	98.4	97.6
77.5°	1074.7	554.4	191.5	183.5	143.8	114.3	106.0	98.8	92.0	85.5	85.1
80°	332.2	247.9	139.6	138.1	104.1	85.1	82.5	80.6	77.9	71.1	69.6
82.5°	177.5	142.3	96.1	89.3	68.1	56.8	59.8	60.5	60.9	53.7	53.0
85°	84.8	75.3	54.1	50.7	39.7	31.8	36.7	39.7	40.1	32.9	30.7
87.5°	40.5	39.4	25.4	19.3	14.8	10.6	12.9	15.9	17.4	12.5	11.0
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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