

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: P386554

Luminaire Tested: **GWC-SA2B-727-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386554
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-727-U-SL3-HSS
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 2700K, 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: 8522 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

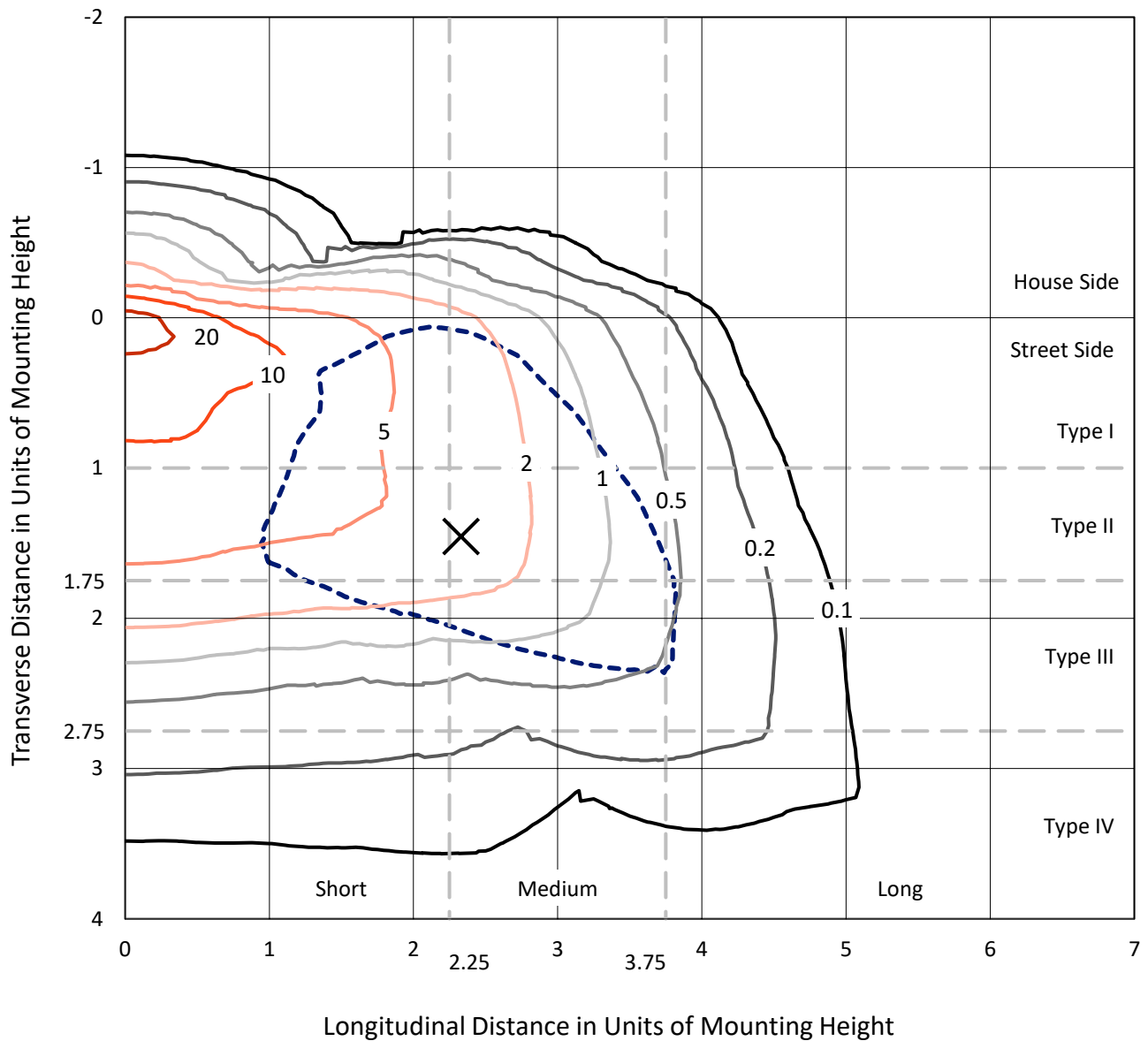
Input Watts (W): 86
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

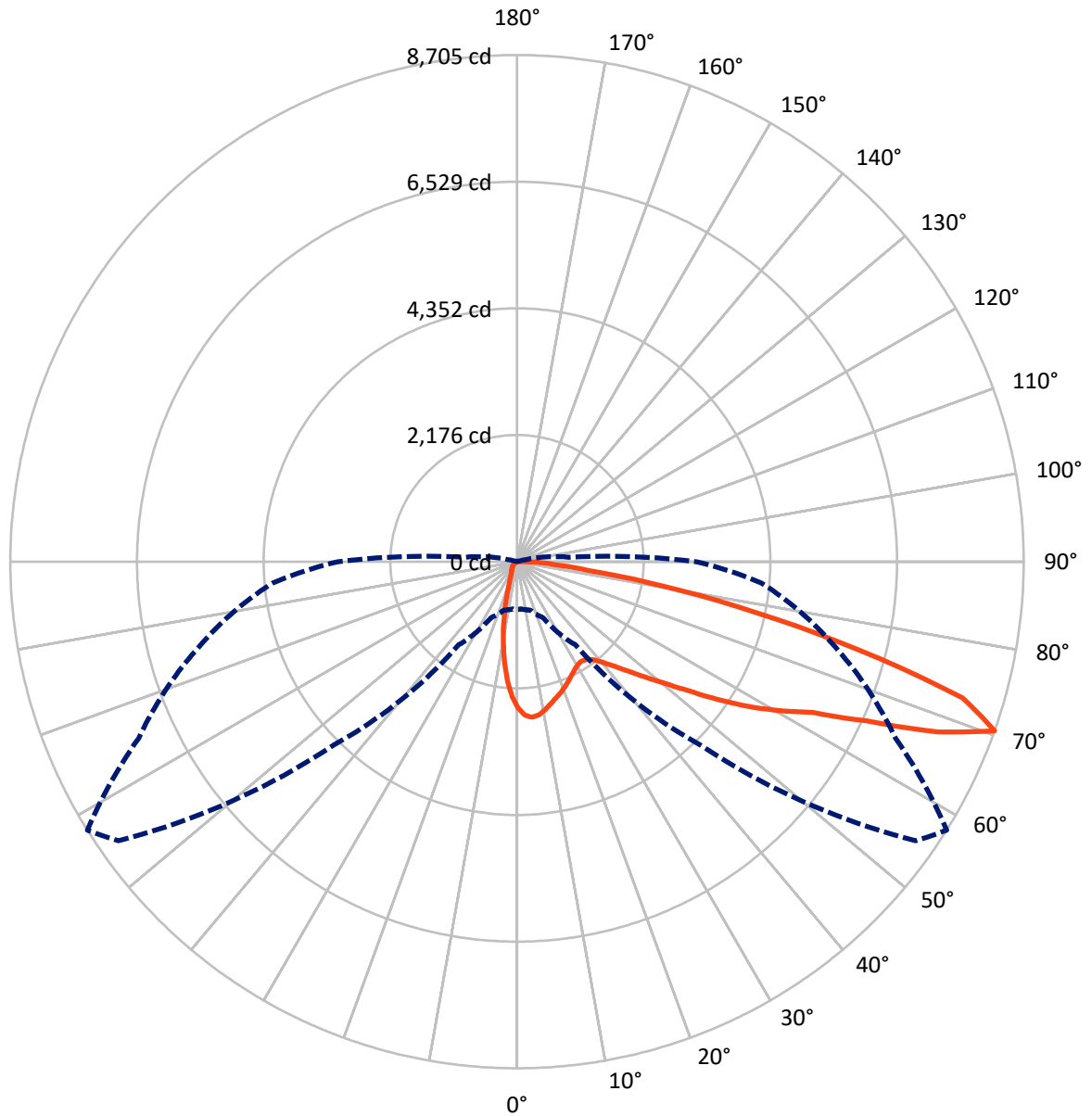
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.6 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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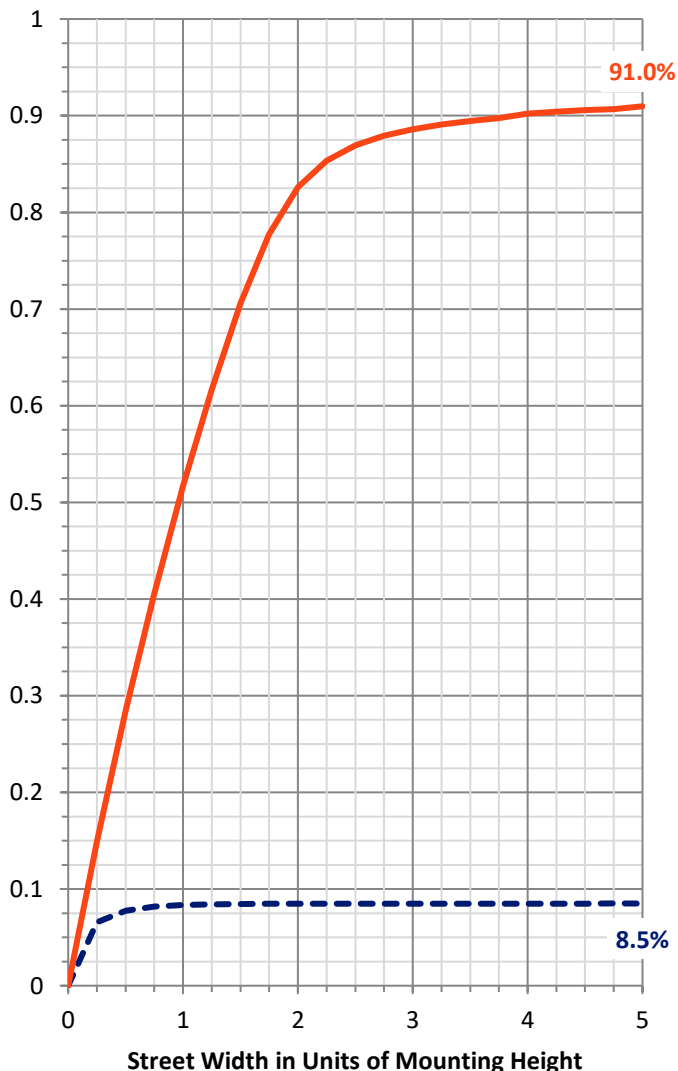
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	729.3	0.0	729.3
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	7792.7	0.0	7792.7
	% Fixture	91.4	0.0	91.4
Total	Lumens	8522.0	0.0	8522.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.9	2.4
10°-20°	432.0	5.1
20°-30°	568.0	6.7
30°-40°	752.2	8.8
40°-50°	1124.4	13.2
50°-60°	1801.2	21.1
60°-70°	2270.4	26.6
70°-80°	1224.6	14.4
80°-90°	143.4	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°	8522.0	100.0
0°-180°	8522.0	100.0

Coefficient of Utilization



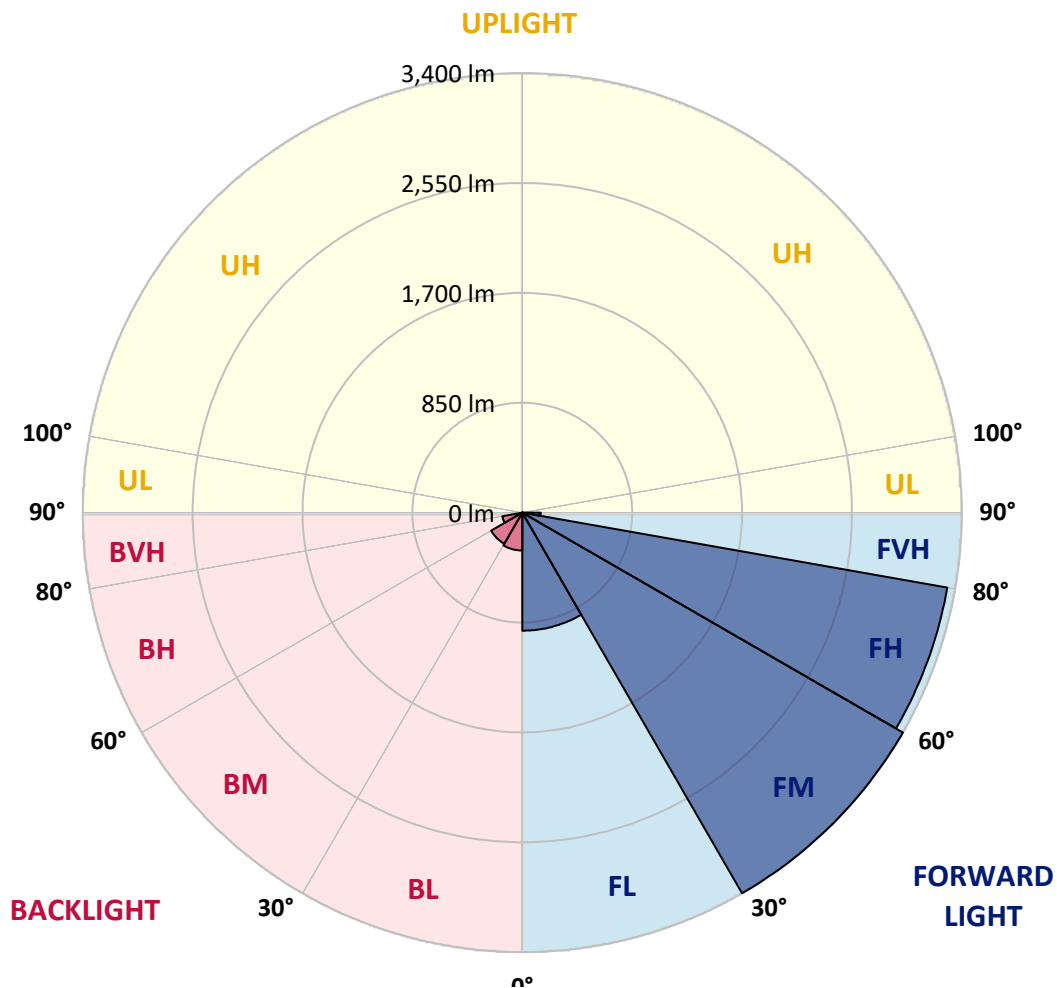
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	912.9	10.7			
FM (30°-60°)	3399.6	39.9			
FH (60°-80°)	3338.2	39.2			G2/5000
FVH (80°-90°)	142.1	1.7			G2/225
BL (0°-30°)	293.0	3.4	B1/500		
BM (30°-60°)	278.2	3.3	B1/1000		
BH (60°-80°)	156.8	1.8	B1/500		G1/500
BVH (80°-90°)	1.2	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°	2517.4	2517.4	2517.4	2517.4	2517.4	2517.4	2517.4	2517.4	2517.4	2517.4	2517.4
2.5°	2726.1	2719.3	2716.9	2712.6	2696.3	2680.4	2648.8	2640.0	2620.1	2573.0	2523.0
5°	2728.2	2727.8	2735.3	2733.5	2727.8	2720.4	2697.7	2686.0	2652.4	2585.0	2493.6
7.5°	2596.7	2603.5	2620.1	2633.6	2649.2	2669.4	2672.2	2660.9	2633.2	2560.6	2439.4
10°	2420.3	2430.9	2454.3	2480.9	2521.6	2562.0	2598.2	2596.7	2587.2	2515.6	2374.2
12.5°	2243.4	2255.8	2282.8	2322.1	2379.9	2445.8	2510.3	2519.1	2535.1	2475.2	2314.0
15°	2088.6	2099.2	2125.8	2174.0	2245.6	2334.2	2428.8	2445.1	2486.2	2443.7	2263.6
17.5°	1957.1	1963.9	1983.3	2036.8	2119.8	2227.1	2350.1	2382.0	2443.3	2418.8	2220.1
20°	1865.3	1866.4	1879.2	1916.7	1999.6	2119.8	2268.6	2314.3	2397.9	2397.6	2175.0
22.5°	1820.0	1816.4	1818.9	1840.5	1901.5	2017.4	2187.1	2241.3	2357.2	2379.5	2129.3
25°	1811.5	1808.6	1801.6	1804.4	1841.2	1927.7	2104.9	2167.6	2321.4	2368.5	2089.6
27.5°	1838.1	1840.9	1828.8	1816.1	1818.9	1869.6	2031.9	2104.5	2292.3	2368.5	2061.7
30°	1891.6	1893.0	1884.1	1867.5	1845.1	1853.3	1981.2	2053.9	2277.8	2384.8	2043.9
32.5°	1950.7	1958.5	1957.5	1944.0	1912.1	1879.2	1969.2	2035.4	2276.7	2421.0	2042.2
35°	2024.1	2033.0	2047.8	2045.0	2011.7	1957.5	2010.3	2062.4	2297.7	2480.5	2061.3
37.5°	2102.1	2115.5	2147.4	2162.6	2141.0	2079.7	2102.4	2139.6	2353.6	2576.9	2109.8
40°	2177.5	2192.8	2250.9	2310.8	2294.5	2231.4	2242.0	2271.8	2453.2	2715.4	2202.0
42.5°	2251.6	2274.3	2359.7	2458.2	2477.7	2427.4	2433.0	2456.8	2601.0	2906.1	2352.6
45°	2340.2	2365.7	2492.2	2613.7	2665.8	2643.9	2668.0	2683.6	2794.1	3158.0	2555.6
47.5°	2470.2	2499.6	2654.8	2793.4	2884.8	2899.0	2947.5	2957.8	3038.3	3451.4	2820.3
50°	2723.9	2732.1	2872.4	2998.2	3130.0	3215.1	3270.4	3278.2	3333.8	3772.1	3151.0
52.5°	3043.2	3048.5	3127.9	3212.3	3362.1	3535.8	3665.1	3676.1	3687.8	4084.7	3477.3
55°	3360.4	3359.7	3412.1	3461.7	3633.2	3885.5	4166.2	4172.9	4088.9	4381.3	3726.8
57.5°	3558.5	3577.6	3657.3	3721.1	3960.7	4284.2	4673.6	4698.4	4510.3	4601.0	3973.4
60°	3495.4	3504.6	3681.4	3917.4	4368.5	4850.8	5187.1	5193.5	4827.1	4820.3	4285.2
62.5°	2978.0	2983.0	3260.8	3747.3	4575.1	5585.7	5806.5	5702.7	5191.3	5124.7	4658.4
65°	2041.1	2073.3	2305.5	2906.8	4195.6	6046.8	6765.4	6593.5	5746.6	5563.4	4995.7
67.5°	1202.0	1195.2	1310.1	1753.0	3081.5	5740.6	7978.4	7807.6	6503.9	5857.2	4896.9
70°	821.0	816.4	860.4	1061.3	1739.5	4453.2	8360.0	8704.8	7172.6	5659.4	4214.4
72.5°	586.1	588.6	653.4	824.6	1092.1	2594.6	7189.2	8005.3	6963.1	4933.7	3203.4
75°	397.9	404.7	497.5	676.5	957.5	1320.0	5101.7	6085.4	5670.1	3585.7	1841.2
77.5°	214.0	221.5	331.0	545.0	865.7	917.1	3281.7	4188.2	3561.7	1612.0	533.7
80°	89.3	93.6	154.9	396.2	748.0	805.5	1930.9	2539.7	1517.7	317.9	119.1
82.5°	38.6	40.8	64.5	236.4	559.2	680.0	1022.3	1221.8	460.0	69.8	59.9
85°	7.4	7.8	26.6	125.1	356.8	383.8	662.6	649.5	206.6	30.1	43.6
87.5°	0.0	0.0	6.4	39.3	104.9	209.1	404.3	399.4	70.2	14.5	16.3
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°	2517.4	2517.4	2517.4	2517.4	2517.4	2517.4	2517.4	2517.4	2517.4	2517.4	2517.4
2.5°	2497.5	2473.1	2421.7	2358.3	2309.7	2256.2	2213.7	2159.8	2136.4	2137.5	2124.7
5°	2441.5	2391.2	2277.5	2133.9	2023.4	1909.3	1811.1	1713.3	1655.6	1636.8	1619.1
7.5°	2361.4	2281.7	2100.3	1879.2	1692.1	1509.2	1350.1	1210.1	1121.5	1078.3	1062.4
10°	2271.1	2159.1	1896.5	1605.2	1338.1	1090.7	884.5	705.2	633.6	585.0	572.6
12.5°	2191.7	2040.0	1697.4	1324.2	1007.1	708.7	512.0	400.4	351.9	332.7	329.6
15°	2116.9	1928.8	1505.7	1069.8	697.4	436.2	325.7	287.7	276.4	273.2	273.2
17.5°	2046.4	1822.8	1318.2	819.3	461.4	305.8	269.7	261.2	257.6	257.3	257.6
20°	1972.7	1716.9	1133.9	600.3	322.1	259.0	249.1	244.5	243.4	243.4	243.4
22.5°	1902.2	1610.9	954.6	428.8	258.3	236.4	231.4	228.2	227.1	226.8	226.1
25°	1834.5	1510.3	779.6	303.0	226.8	216.5	212.3	208.0	204.8	203.0	202.0
27.5°	1778.9	1420.6	616.6	243.1	204.8	196.0	190.6	184.3	176.5	172.9	171.5
30°	1734.6	1338.8	475.2	205.2	184.3	175.4	167.3	156.3	144.9	138.9	138.6
32.5°	1699.9	1258.3	360.7	181.4	165.8	154.9	143.2	129.3	116.2	109.5	109.1
35°	1682.8	1187.5	275.7	164.1	149.5	135.7	121.2	106.0	93.2	86.8	86.1
37.5°	1694.2	1127.6	215.1	149.5	135.7	119.8	102.8	86.8	75.5	69.8	69.5
40°	1735.6	1089.3	174.7	137.1	124.0	104.5	86.1	71.2	61.7	57.1	56.7
42.5°	1823.9	1075.1	149.2	126.9	112.7	90.4	71.6	58.8	50.0	46.8	46.1
45°	1971.3	1096.0	131.8	116.9	101.0	76.9	59.2	48.2	40.4	37.9	37.6
47.5°	2167.6	1151.0	119.4	107.4	90.4	64.8	49.3	39.0	33.0	30.5	30.1
50°	2420.6	1238.1	109.1	97.8	80.4	54.9	40.8	30.8	25.5	23.7	23.7
52.5°	2696.0	1342.0	99.9	88.9	70.5	45.7	33.0	23.7	20.2	18.1	18.1
55°	2923.5	1432.7	90.0	82.2	58.5	37.9	25.2	18.1	14.9	13.8	13.8
57.5°	3150.6	1529.4	78.7	70.5	46.8	30.8	19.1	13.5	11.0	10.3	10.3
60°	3445.1	1647.8	67.7	57.4	36.9	23.4	14.2	9.6	8.2	7.8	7.8
62.5°	3769.0	1717.2	57.8	46.1	28.7	17.4	10.3	6.4	6.0	6.0	5.7
65°	3967.0	1619.1	48.5	36.9	22.3	13.1	6.7	4.6	5.3	5.0	4.3
67.5°	3714.4	1267.5	39.7	28.7	17.4	9.9	4.3	3.2	5.7	4.6	3.5
70°	3075.5	887.3	30.8	20.2	13.8	8.5	2.8	2.1	6.0	4.6	2.8
72.5°	2301.6	593.9	24.5	13.5	10.3	7.4	2.5	1.1	5.3	3.9	2.5
75°	1257.6	239.2	19.5	8.5	6.4	5.3	1.8	0.7	3.5	2.8	1.8
77.5°	331.0	63.1	14.2	5.7	3.5	2.1	1.1	0.4	1.8	1.4	0.7
80°	84.3	24.5	9.2	3.9	2.5	1.1	0.0	0.0	0.4	0.0	0.0
82.5°	45.0	10.3	5.7	2.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	34.0	6.7	3.2	1.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.1	2.1	1.1	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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