

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: P387032

Luminaire Tested: **GWC-SA2D-730-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P387032
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA2D-730-U-SL4-HSS
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11968 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

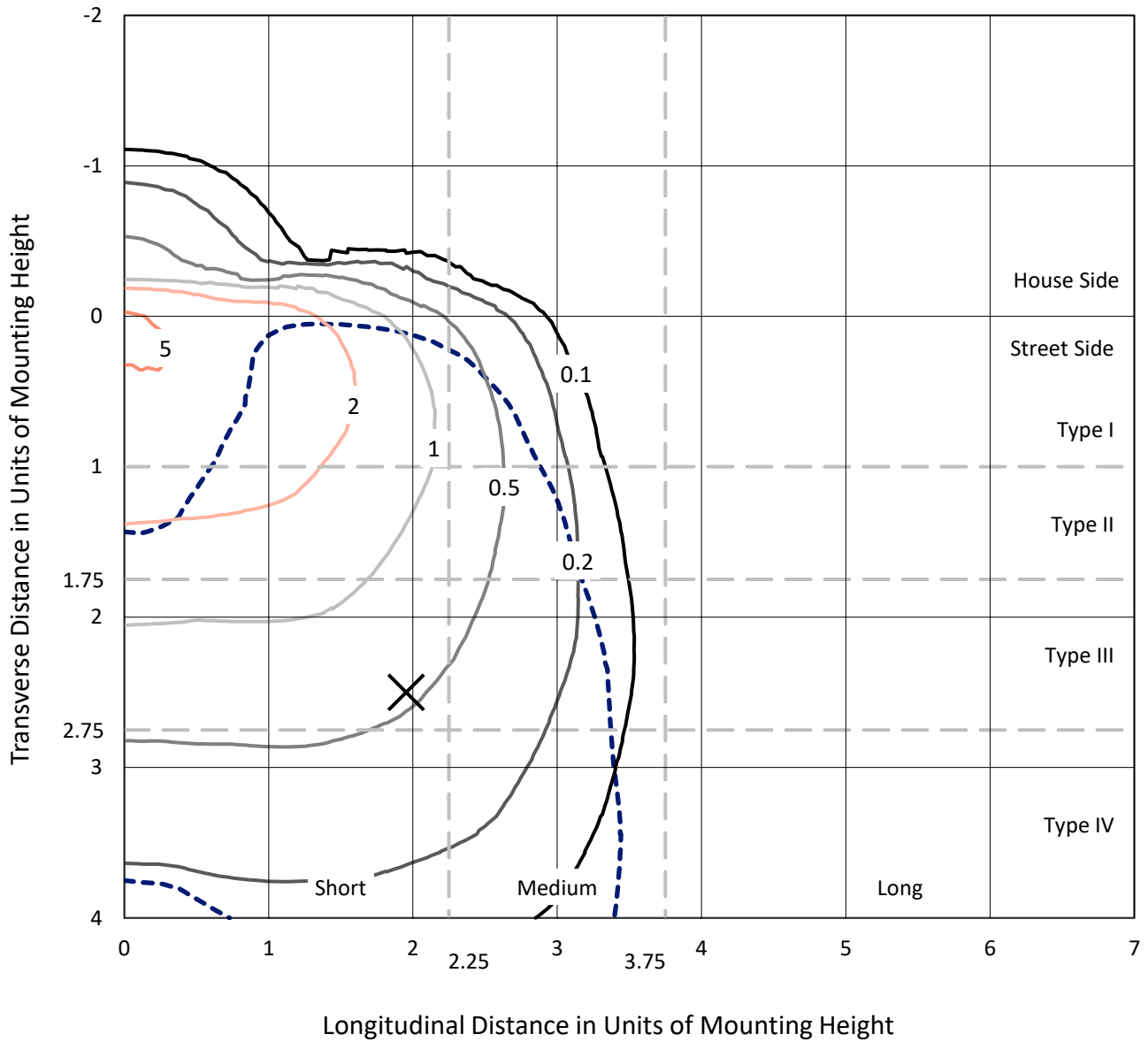
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

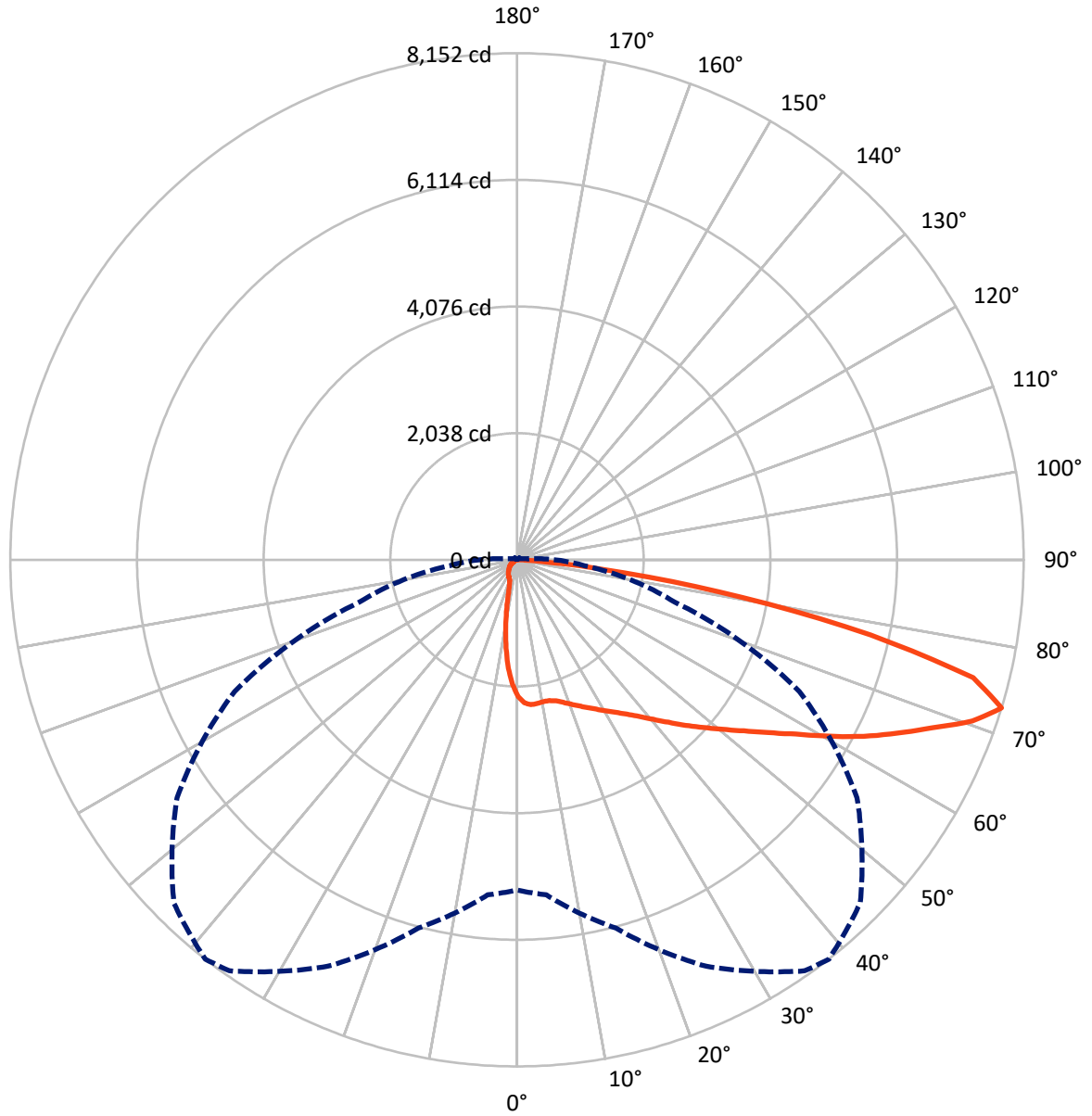
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical



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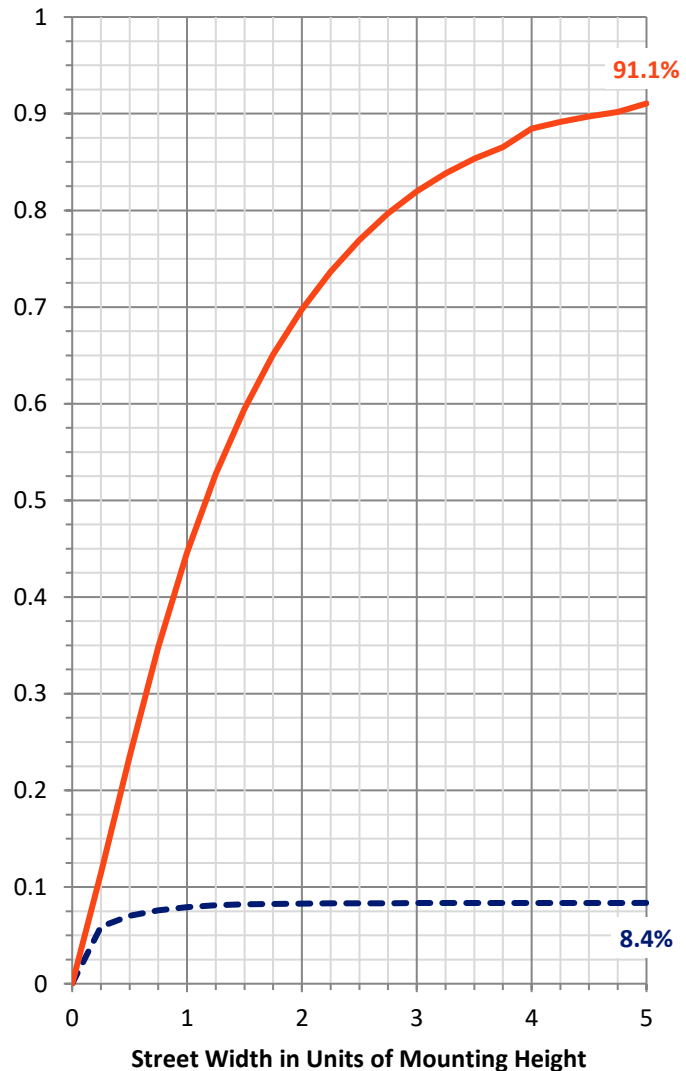
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1007.2	0.0	1007.2
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	10960.8	0.0	10960.8
	% Fixture	91.6	0.0	91.6
Total	Lumens	11968.0	0.0	11968.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.6	1.6
10°-20°	458.6	3.8
20°-30°	729.4	6.1
30°-40°	1096.6	9.2
40°-50°	1673.0	14.0
50°-60°	2364.4	19.8
60°-70°	2965.8	24.8
70°-80°	2217.6	18.5
80°-90°	275.0	2.3
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°	11968.0	100.0
0°-180°	11968.0	100.0



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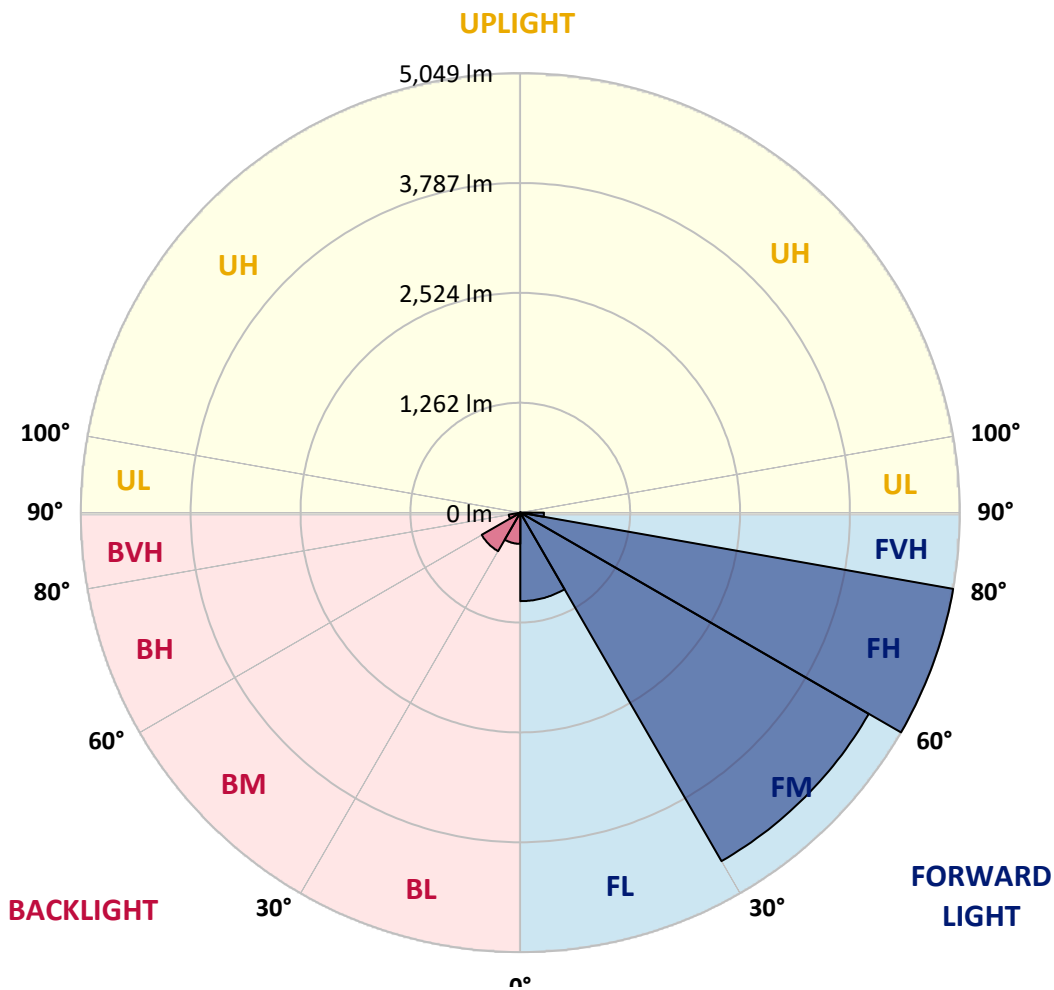
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1017.0	8.5			
FM (30°-60°)	4622.6	38.6			
FH (60°-80°)	5048.9	42.2			G3/7500
FVH (80°-90°)	272.4	2.3			G3/500
BL (0°-30°)	358.6	3.0	B1/500		
BM (30°-60°)	511.4	4.3	B1/1000		
BH (60°-80°)	134.5	1.1	B1/500		G1/500
BVH (80°-90°)	2.6	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-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	2200.9	2200.9	2200.9	2200.9	2200.9	2200.9	2200.9	2200.9	2200.9	2200.9	2200.9
2.5°	2336.1	2336.6	2331.1	2322.2	2310.7	2304.8	2294.8	2278.9	2262.0	2231.7	2198.9
5°	2383.8	2383.8	2376.8	2364.9	2346.5	2341.0	2322.2	2296.8	2262.0	2212.8	2157.6
7.5°	2378.8	2379.8	2370.4	2357.9	2339.5	2334.6	2311.7	2283.4	2240.1	2180.5	2109.9
10°	2353.0	2355.5	2348.0	2342.0	2325.1	2319.7	2298.3	2270.0	2226.7	2163.1	2082.1
12.5°	2326.6	2329.1	2331.6	2337.1	2326.6	2324.6	2307.7	2283.9	2242.6	2176.5	2085.1
15°	2309.7	2314.7	2332.6	2354.0	2356.4	2354.5	2343.5	2321.2	2279.4	2210.8	2106.4
17.5°	2309.7	2317.7	2355.0	2395.7	2410.1	2411.6	2402.2	2370.9	2321.2	2247.6	2126.3
20°	2329.1	2340.0	2398.2	2455.9	2479.7	2479.7	2461.3	2417.6	2359.4	2280.9	2139.7
22.5°	2378.8	2393.2	2466.3	2532.9	2558.2	2552.8	2527.9	2464.3	2399.2	2318.7	2156.6
25°	2476.7	2487.7	2563.7	2630.8	2646.2	2633.8	2602.5	2521.0	2449.9	2369.9	2187.5
27.5°	2603.0	2604.5	2683.0	2739.7	2730.2	2721.8	2682.5	2592.0	2523.0	2442.9	2240.6
30°	2741.7	2741.7	2810.7	2854.0	2825.2	2818.2	2778.9	2678.0	2616.4	2542.3	2316.2
32.5°	2875.9	2881.8	2938.0	2965.3	2933.0	2926.1	2887.8	2786.9	2740.7	2693.9	2434.0
35°	3005.6	3010.1	3063.2	3078.1	3047.3	3049.3	3022.0	2936.5	2919.1	2913.1	2611.4
37.5°	3131.3	3132.3	3186.5	3195.9	3180.5	3197.4	3199.9	3124.4	3156.7	3204.9	2861.4
40°	3246.1	3247.1	3300.8	3325.2	3351.5	3373.4	3392.8	3352.5	3459.4	3571.2	3159.2
42.5°	3338.1	3348.5	3416.6	3462.9	3532.4	3574.2	3626.9	3624.9	3819.7	3987.7	3519.0
45°	3419.1	3437.0	3531.9	3613.0	3732.2	3798.8	3881.4	3946.0	4225.3	4451.5	3883.3
47.5°	3526.0	3542.9	3651.2	3783.9	3943.0	4030.5	4167.2	4306.8	4671.1	4906.7	4239.2
50°	3676.6	3669.1	3776.0	3966.3	4170.6	4285.4	4480.3	4689.5	5113.5	5303.4	4448.5
52.5°	3837.1	3834.1	3913.2	4164.7	4439.0	4573.2	4830.7	5085.2	5536.5	5576.7	4544.4
55°	4035.9	4014.6	4081.2	4390.8	4757.6	4901.8	5205.0	5476.8	5873.5	5730.8	4592.6
57.5°	4244.2	4208.9	4272.5	4642.8	5117.0	5287.5	5619.5	5858.6	6097.6	5836.2	4592.1
60°	4459.4	4417.7	4493.2	4957.9	5563.3	5760.6	6068.8	6116.5	6306.9	5889.4	4558.3
62.5°	4639.3	4614.5	4726.8	5294.9	6061.9	6255.7	6408.3	6351.1	6483.3	5930.6	4479.3
65°	4829.7	4831.2	5012.6	5688.1	6591.7	6722.4	6735.3	6655.3	6631.0	5922.2	4211.9
67.5°	5087.2	5111.0	5413.7	6221.9	7107.1	7208.0	7207.0	6984.8	6738.8	5586.2	3618.9
70°	5359.5	5415.7	5876.0	6832.8	7669.8	7772.2	7719.5	7194.6	6345.2	4517.1	2561.2
72.5°	5313.8	5411.2	6132.9	7218.0	8073.9	8151.9	7809.4	6679.2	5015.1	2625.3	1090.5
75°	4099.6	4212.4	5623.5	6836.2	7649.9	7579.8	6710.0	5197.5	2740.7	732.6	245.5
77.5°	2165.6	2225.7	3714.8	5207.9	5964.9	5818.3	4726.8	2883.3	835.5	181.4	110.3
80°	1134.2	1148.2	1618.8	2954.9	3681.5	3682.5	2801.3	1266.4	344.4	92.9	74.1
82.5°	607.4	619.3	855.4	1365.4	1929.0	1748.6	1072.6	696.8	200.3	52.7	71.1
85°	146.1	148.6	485.1	623.8	758.5	541.8	318.6	585.0	54.2	30.8	57.7
87.5°	56.2	57.2	179.9	269.9	193.3	125.3	149.1	218.2	7.0	11.9	8.9
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°	2200.9	2200.9	2200.9	2200.9	2200.9	2200.9	2200.9	2200.9	2200.9	2200.9	2200.9
2.5°	2179.0	2166.1	2134.3	2094.0	2058.2	2032.4	1993.6	1968.3	1951.4	1950.9	1944.4
5°	2123.8	2097.5	2028.9	1947.4	1873.3	1806.7	1728.2	1666.1	1619.8	1612.4	1596.5
7.5°	2064.7	2021.4	1916.1	1788.8	1664.6	1538.3	1391.7	1300.7	1222.7	1185.4	1181.5
10°	2028.4	1967.8	1818.2	1634.3	1439.4	1234.1	1042.3	909.6	813.6	786.3	765.9
12.5°	2020.9	1940.9	1742.6	1489.1	1210.8	939.4	727.2	586.0	509.5	485.1	478.6
15°	2028.4	1928.5	1679.0	1345.5	979.2	666.5	488.1	406.1	377.3	370.3	369.8
17.5°	2032.9	1913.6	1606.9	1185.9	754.5	476.2	373.8	349.9	345.4	344.9	345.9
20°	2032.4	1890.7	1520.9	1008.0	561.2	374.3	338.0	333.0	332.0	332.5	332.0
22.5°	2028.9	1863.9	1426.5	824.6	424.0	334.5	322.6	319.6	319.1	319.1	319.1
25°	2035.4	1842.5	1322.6	649.1	349.4	316.1	308.7	306.2	305.7	305.7	304.7
27.5°	2058.7	1830.6	1208.8	499.5	315.6	299.7	293.7	293.3	291.8	291.3	292.3
30°	2096.5	1830.6	1084.0	388.7	295.2	282.8	278.3	277.3	276.8	276.4	276.8
32.5°	2163.1	1844.5	947.8	323.1	275.9	263.9	260.9	262.4	260.9	260.9	260.9
35°	2283.4	1886.3	805.2	281.8	255.5	245.5	242.6	244.5	243.5	243.5	243.1
37.5°	2458.8	1963.8	661.6	257.0	237.6	227.1	223.2	226.2	225.2	225.2	224.7
40°	2672.6	2076.6	524.9	238.1	220.2	209.3	205.8	207.3	204.8	204.8	205.8
42.5°	2936.5	2219.8	405.6	219.7	202.8	192.4	190.4	188.9	184.4	181.9	182.4
45°	3229.7	2368.9	316.1	201.8	186.4	177.9	175.0	171.0	163.5	158.6	159.1
47.5°	3491.7	2483.7	257.0	184.4	171.5	165.0	160.5	153.1	142.2	136.2	136.7
50°	3629.4	2501.1	218.7	167.0	157.6	151.1	144.6	133.2	120.3	113.8	113.3
52.5°	3664.6	2419.6	190.4	151.1	143.6	136.2	127.7	112.3	97.9	91.0	90.0
55°	3677.6	2295.3	165.0	136.2	128.7	120.3	109.3	92.0	78.5	71.6	71.1
57.5°	3634.8	2109.9	145.1	122.8	113.8	103.4	90.0	73.6	60.6	55.2	55.2
60°	3539.9	1858.9	129.7	108.4	98.4	86.5	72.6	57.2	45.2	40.8	40.8
62.5°	3350.5	1533.9	115.3	93.4	84.0	71.6	58.7	43.2	31.8	29.3	29.8
65°	2993.2	1163.6	100.9	80.0	71.6	59.1	45.7	30.8	21.4	21.4	22.4
67.5°	2440.9	808.2	86.0	68.1	61.6	48.2	34.8	21.4	14.9	16.9	18.9
70°	1615.9	453.3	73.6	56.2	52.7	38.3	25.8	14.4	11.9	15.9	19.4
72.5°	609.9	176.4	61.6	45.2	45.7	29.3	18.4	10.9	10.9	17.4	22.9
75°	170.0	86.5	44.2	33.3	35.8	21.4	13.4	9.4	10.4	19.9	26.8
77.5°	99.9	63.6	28.8	19.4	24.4	14.9	8.9	7.5	8.9	16.9	25.8
80°	80.5	33.8	16.9	9.9	13.4	8.4	6.0	4.5	2.5	6.5	13.4
82.5°	80.5	20.4	8.0	7.0	7.0	4.5	3.0	2.0	0.5	0.0	3.5
85°	54.2	8.4	5.0	4.5	3.5	1.5	1.0	0.5	0.0	0.0	0.0
87.5°	8.9	3.5	2.0	1.0	0.5	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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