

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: P385950

Luminaire Tested: **GWC-SA1C-735-U-T3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385950
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)
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-T3-HSS
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5171.4 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

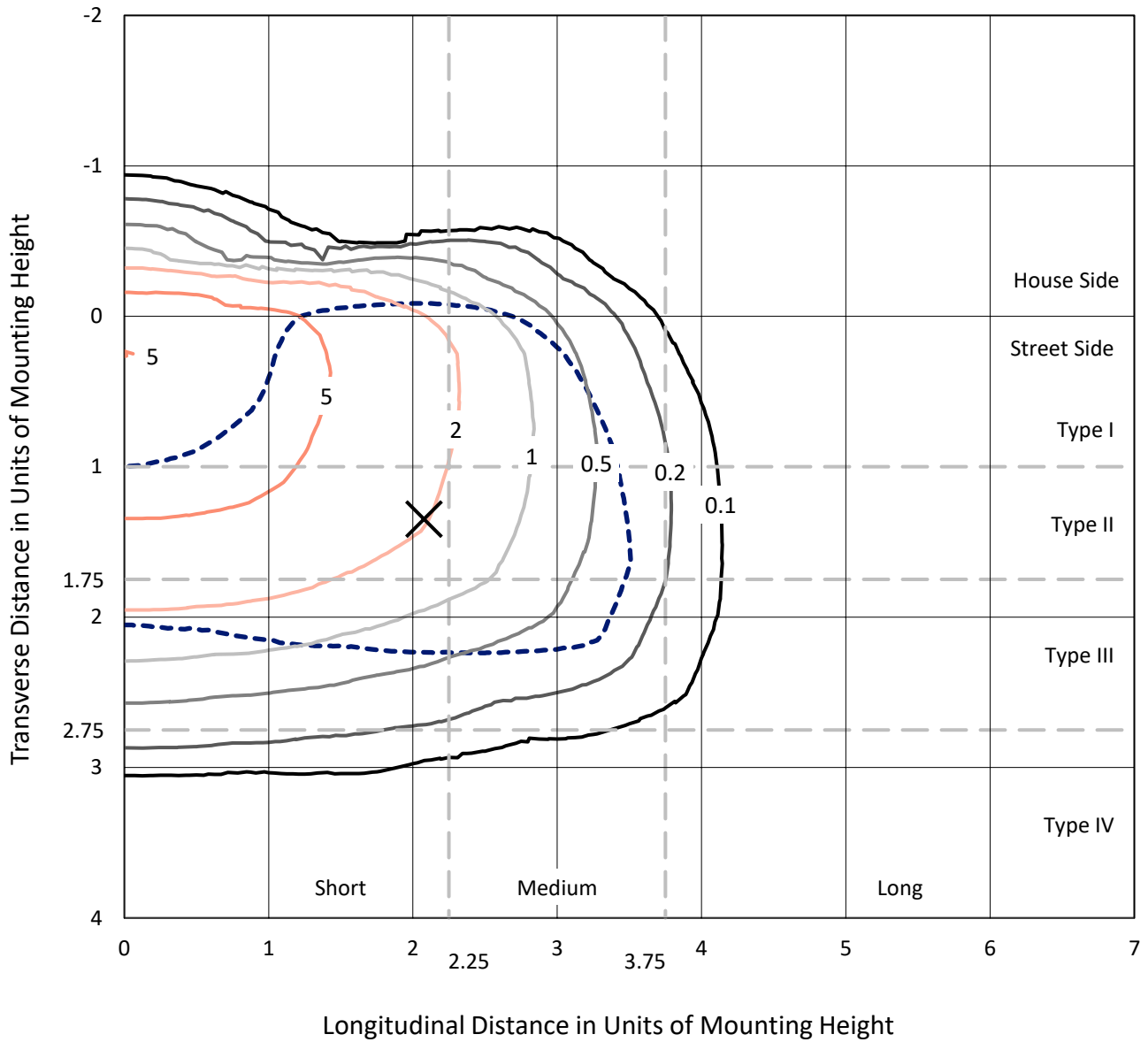
Input Watts (W): 59
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

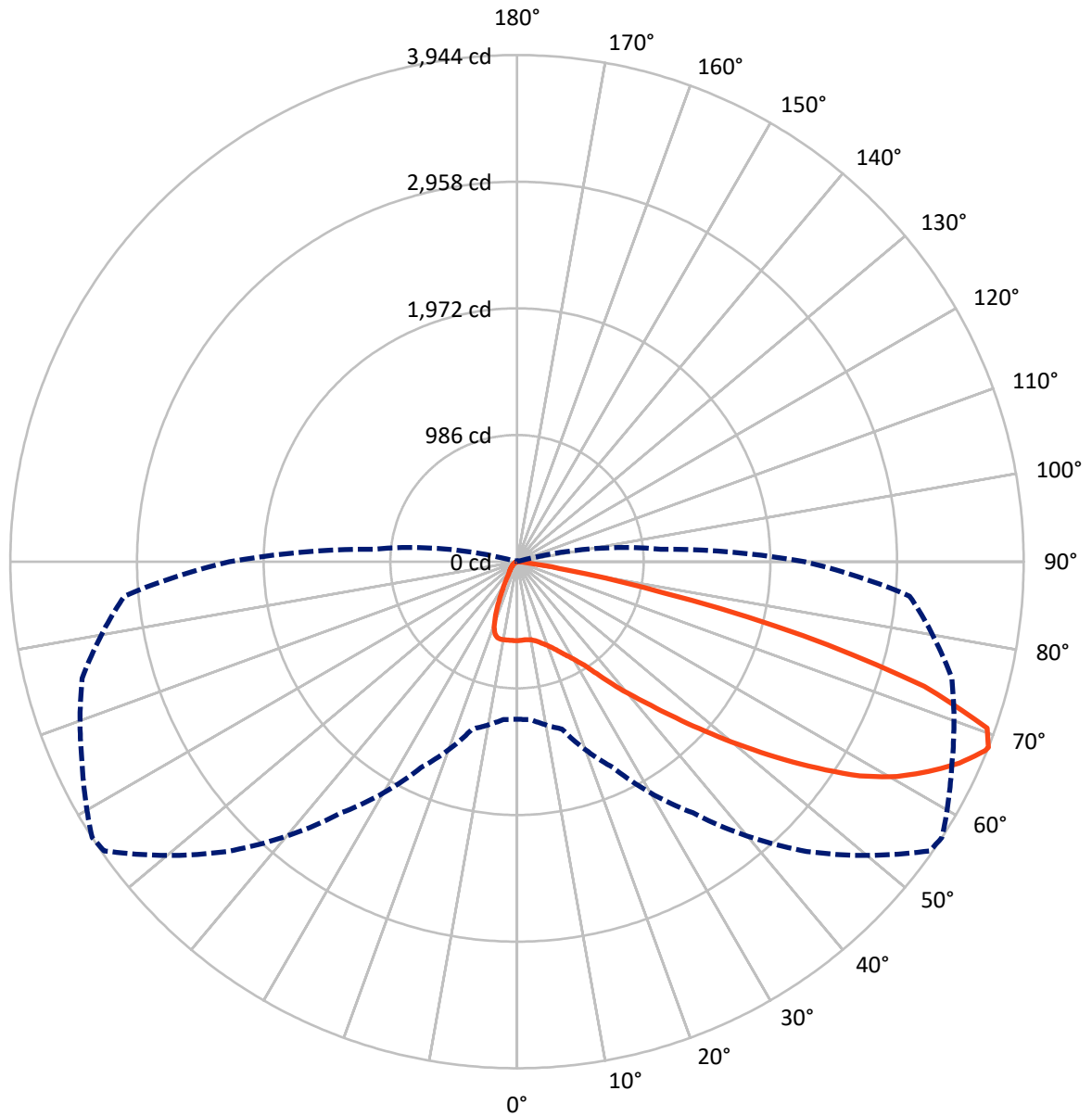
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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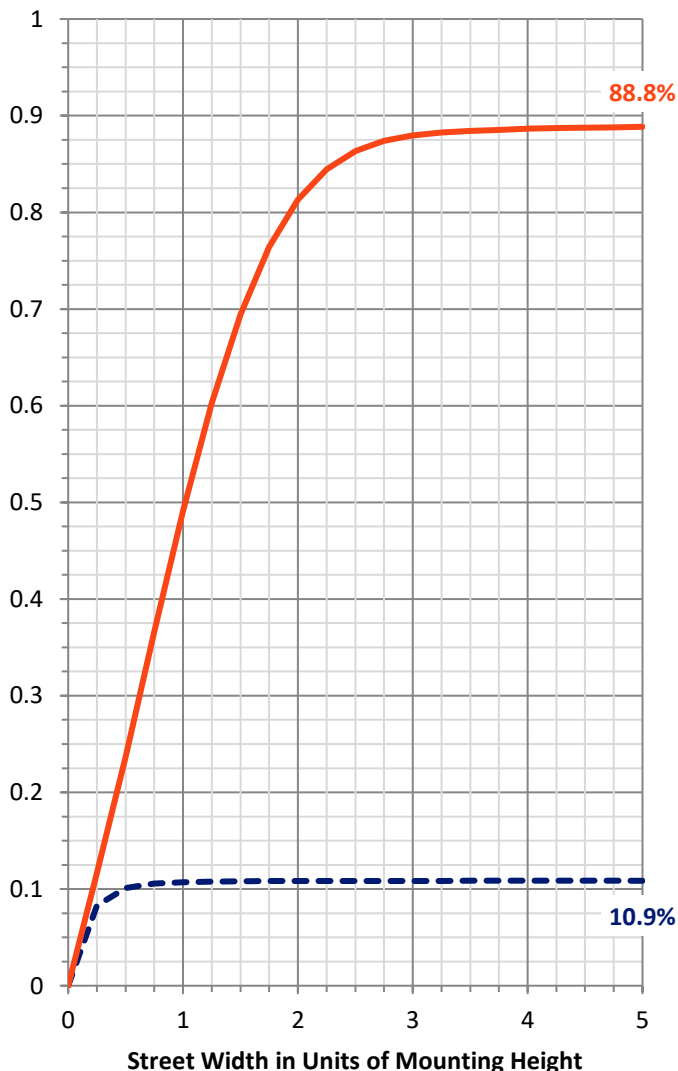
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	567.1	0.0	567.1
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	4604.3	0.0	4604.3
	% Fixture	89.0	0.0	89.0
Total	Lumens	5171.4	0.0	5171.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.5	1.1
10°-20°	159.4	3.1
20°-30°	274.9	5.3
30°-40°	474.5	9.2
40°-50°	811.6	15.7
50°-60°	1298.5	25.1
60°-70°	1500.3	29.0
70°-80°	573.3	11.1
80°-90°	21.5	0.4
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°	5171.4	100.0
0°-180°	5171.4	100.0

Coefficient of Utilization



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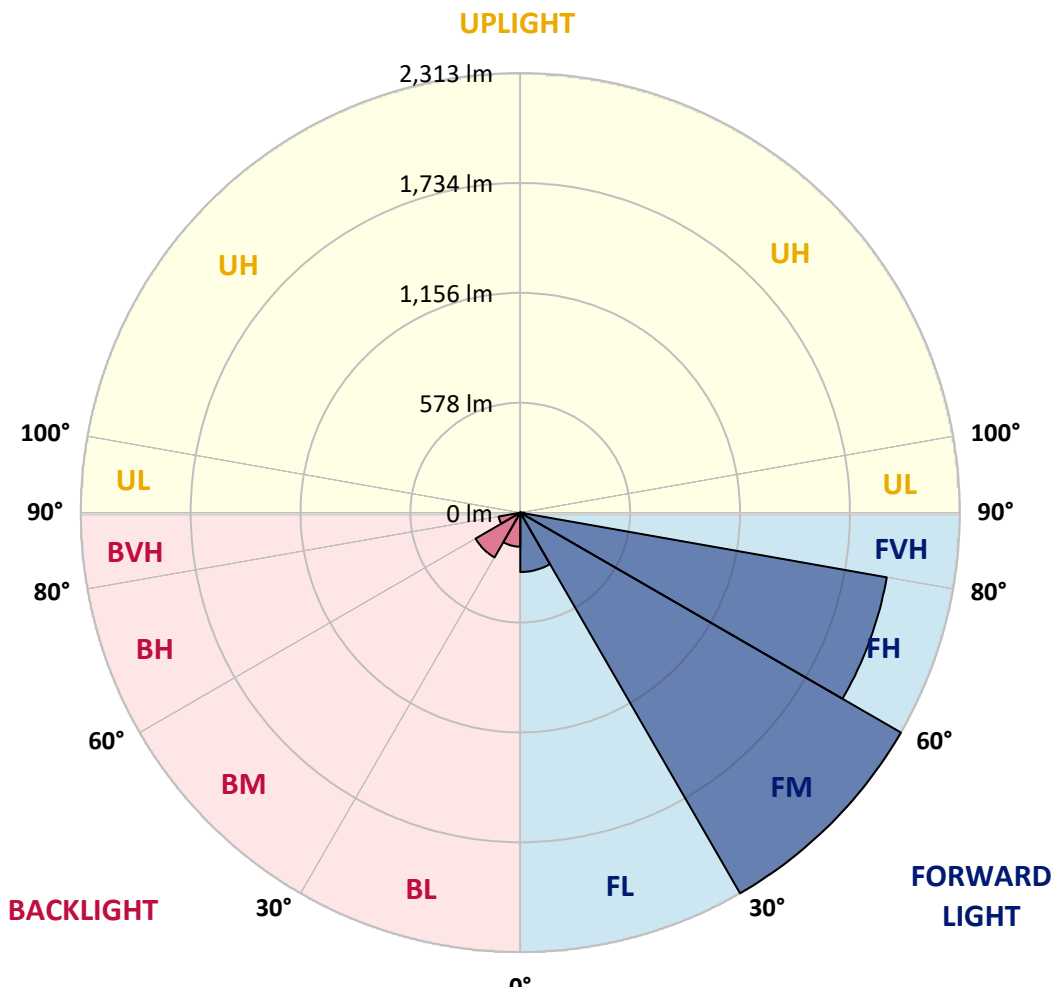
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	312.6	6.0			
FM (30°-60°)	2312.6	44.7			
FH (60°-80°)	1958.0	37.9			G2/5000
FVH (80°-90°)	21.1	0.4			G1/100
BL (0°-30°)	179.2	3.5	B1/500		
BM (30°-60°)	272.0	5.3	B1/1000		
BH (60°-80°)	115.5	2.2	B1/500		G1/500
BVH (80°-90°)	0.4	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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	614.5	614.5	614.5	614.5	614.5	614.5	614.5	614.5	614.5	614.5	614.5
2.5°	600.1	602.7	604.7	605.9	607.4	610.6	611.5	613.0	613.8	613.8	615.5
5°	576.3	579.3	583.5	586.8	593.7	602.5	608.9	611.4	615.7	619.6	621.8
7.5°	554.3	557.7	562.7	570.7	582.4	596.6	609.9	613.2	621.8	630.1	634.3
10°	540.2	542.9	549.2	560.7	576.1	596.0	614.5	618.7	633.3	647.2	655.0
12.5°	535.3	537.7	544.3	557.2	576.3	599.6	625.3	631.4	652.9	673.2	684.2
15°	542.4	542.9	549.9	562.1	581.0	608.6	643.1	650.4	677.6	704.0	717.7
17.5°	569.7	567.6	571.2	576.6	591.5	620.6	661.9	673.0	709.1	740.1	753.1
20°	638.2	638.2	629.9	615.2	615.5	639.2	687.4	699.8	744.1	780.1	791.8
22.5°	755.4	753.1	736.5	700.6	667.5	671.2	718.4	734.5	786.2	824.5	828.5
25°	896.2	893.5	867.8	817.2	760.0	723.1	760.4	779.0	836.2	870.3	862.2
27.5°	1045.4	1043.1	1017.7	954.9	873.4	805.7	810.6	828.2	887.4	920.9	895.2
30°	1189.8	1190.6	1165.4	1100.9	1008.6	911.1	874.2	884.4	937.0	971.1	934.3
32.5°	1327.3	1328.3	1306.5	1234.4	1148.3	1033.6	962.2	959.5	994.7	1028.3	986.2
35°	1449.8	1452.2	1437.4	1381.3	1290.2	1170.0	1076.4	1070.1	1076.6	1114.6	1065.6
37.5°	1567.9	1569.4	1558.1	1510.9	1434.6	1319.9	1220.6	1211.6	1197.4	1226.6	1170.6
40°	1697.3	1693.6	1680.7	1637.8	1572.3	1485.5	1375.7	1360.1	1335.3	1361.3	1308.5
42.5°	1817.5	1813.4	1815.6	1767.2	1712.0	1655.7	1556.4	1529.5	1515.1	1544.9	1477.7
45°	1967.9	1965.8	1973.1	1931.0	1886.3	1845.4	1763.5	1734.2	1727.8	1762.8	1682.4
47.5°	2116.4	2121.7	2144.4	2126.6	2108.6	2072.6	1982.9	1969.6	1973.6	2015.8	1898.2
50°	2240.1	2246.5	2308.8	2329.3	2355.5	2334.5	2244.5	2236.4	2251.8	2290.0	2130.5
52.5°	2329.6	2342.6	2420.1	2514.7	2610.1	2624.3	2534.5	2527.2	2547.9	2553.8	2310.1
55°	2391.7	2403.2	2491.0	2664.1	2858.3	2919.4	2863.6	2835.3	2831.3	2773.4	2498.8
57.5°	2402.7	2401.5	2527.6	2760.7	3052.9	3210.7	3175.4	3147.5	3067.3	2976.4	2715.2
60°	2340.6	2347.7	2494.2	2794.2	3175.2	3430.9	3433.7	3397.4	3272.5	3173.7	2925.0
62.5°	2149.4	2178.3	2326.2	2706.4	3173.7	3519.7	3622.9	3595.2	3445.9	3335.3	3137.8
65°	1839.3	1849.6	1990.7	2405.7	2959.3	3482.5	3793.4	3783.0	3602.1	3492.3	3247.1
67.5°	1343.1	1321.0	1469.1	1894.4	2505.5	3265.9	3915.6	3928.5	3722.6	3524.6	3130.6
68°	1225.8	1232.4	1347.8	1767.9	2386.5	3189.3	3923.7	3943.5	3734.7	3503.6	3067.1
70°	730.7	743.3	846.3	1217.3	1815.6	2756.3	3836.6	3881.9	3663.3	3286.7	2652.8
72.5°	186.6	201.7	299.0	544.8	1037.0	1942.0	3238.7	3315.3	3180.5	2666.3	1791.0
75°	76.7	80.7	106.9	179.5	386.4	875.0	2134.7	2298.5	2204.9	1596.3	809.4
77.5°	53.1	55.7	68.7	99.5	167.2	296.6	1046.6	1164.9	1049.5	544.8	176.5
80°	38.1	40.3	49.1	66.2	96.1	105.9	341.1	394.5	313.2	119.6	43.8
82.5°	22.7	24.4	36.6	47.2	58.4	50.6	84.8	96.4	90.7	59.5	19.5
85°	11.3	13.2	24.7	33.7	31.6	21.2	25.9	28.8	35.7	36.2	10.5
87.5°	0.8	1.5	14.5	20.3	8.8	4.9	7.6	9.3	12.7	17.8	4.4
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°	614.5	614.5	614.5	614.5	614.5	614.5	614.5	614.5	614.5	614.5	614.5
2.5°	616.2	616.4	614.7	614.0	614.5	611.5	610.3	610.8	610.8	611.5	610.3
5°	622.3	622.3	619.3	615.5	613.2	607.7	603.9	603.0	602.2	601.8	600.8
7.5°	635.5	634.1	628.9	620.4	613.0	600.8	591.5	586.7	584.2	583.2	582.4
10°	656.8	654.1	645.6	629.7	612.8	591.1	570.7	556.3	544.3	539.4	536.5
12.5°	685.4	681.5	667.1	640.7	611.1	571.0	527.0	484.6	445.3	429.1	421.0
15°	718.4	712.8	690.1	650.0	601.0	525.7	430.1	356.0	301.5	281.0	272.1
17.5°	751.9	744.6	710.1	655.8	571.0	432.1	301.7	227.9	191.4	181.7	178.3
20°	785.7	774.9	727.5	651.4	503.0	311.5	199.1	166.6	156.0	153.0	152.1
22.5°	817.7	801.0	743.2	634.3	398.3	209.1	157.4	147.2	143.8	142.0	141.6
25°	845.5	822.3	756.8	581.5	281.9	158.0	141.8	138.4	134.0	130.9	131.0
27.5°	871.8	843.6	765.1	494.4	188.1	135.0	131.3	126.6	118.6	113.9	113.9
30°	903.3	871.9	771.2	380.5	138.4	119.3	116.4	109.3	98.3	92.2	92.2
32.5°	950.8	915.1	767.3	267.0	114.7	104.9	98.1	88.3	76.3	70.5	70.2
35°	1023.4	981.6	739.5	175.1	101.3	91.2	80.2	68.2	57.7	52.8	52.6
37.5°	1121.2	1070.5	676.8	125.2	90.7	78.5	65.3	52.0	44.2	41.1	40.9
40°	1248.1	1174.0	587.3	101.5	81.0	66.2	50.4	40.3	34.9	32.5	32.8
42.5°	1400.4	1284.7	480.0	87.6	71.4	54.5	39.4	31.8	28.4	26.7	26.2
45°	1569.6	1394.1	367.5	78.0	61.9	44.1	30.8	25.2	22.5	21.5	21.5
47.5°	1755.7	1500.4	268.9	69.7	51.6	34.0	24.7	20.6	18.3	17.6	17.4
50°	1924.6	1574.2	193.9	60.9	42.3	26.9	20.0	17.1	15.7	14.7	14.7
52.5°	2065.5	1597.5	142.8	51.4	34.2	21.5	16.6	14.7	13.2	12.5	12.5
55°	2189.4	1588.0	106.2	42.3	27.6	17.6	14.2	12.5	11.3	10.5	10.5
57.5°	2308.4	1557.1	79.2	34.5	22.3	14.2	12.0	10.5	9.3	8.8	8.8
60°	2405.4	1505.8	58.9	27.9	17.8	11.5	10.1	8.5	7.6	6.9	6.9
62.5°	2484.1	1449.1	43.3	23.0	14.2	9.0	7.8	7.0	5.6	4.9	4.9
65°	2484.6	1354.9	32.5	19.1	11.0	7.0	5.8	5.6	3.7	2.9	2.7
67.5°	2304.9	1168.1	25.0	16.3	8.5	5.4	4.4	4.6	2.0	1.2	0.9
68°	2239.6	1120.7	23.5	16.2	8.1	5.2	4.1	4.6	1.7	0.9	0.8
70°	1888.3	891.6	18.8	15.7	7.0	3.9	3.4	4.6	1.5	0.8	0.5
72.5°	1207.7	517.4	13.9	12.5	5.4	2.9	2.2	4.1	1.5	0.5	0.3
75°	514.0	160.4	9.6	8.8	3.2	2.2	1.5	2.7	0.9	0.3	0.0
77.5°	108.3	36.2	5.6	5.4	2.2	1.5	0.9	0.8	0.3	0.0	0.0
80°	27.9	10.5	2.9	2.7	1.2	0.8	0.5	0.0	0.0	0.0	0.0
82.5°	8.8	4.1	1.7	1.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.4	2.4	0.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.4	0.8	0.3	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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