

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: P385493

Luminaire Tested: **GWC-SA1A-735-U-SL4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385493
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-24)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA1A-735-U-SL4
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4442.4 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

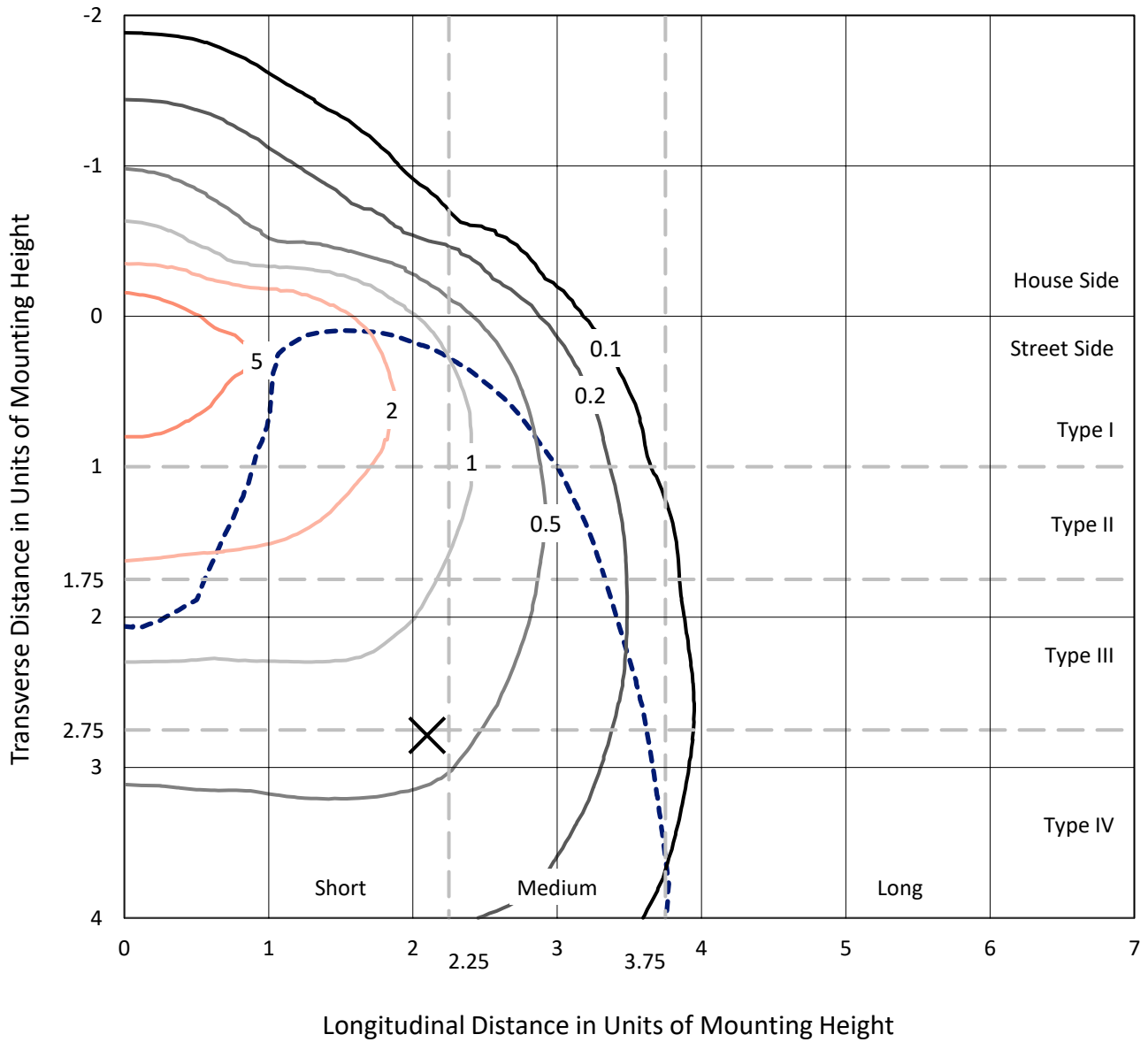
Input Watts (W): 34
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

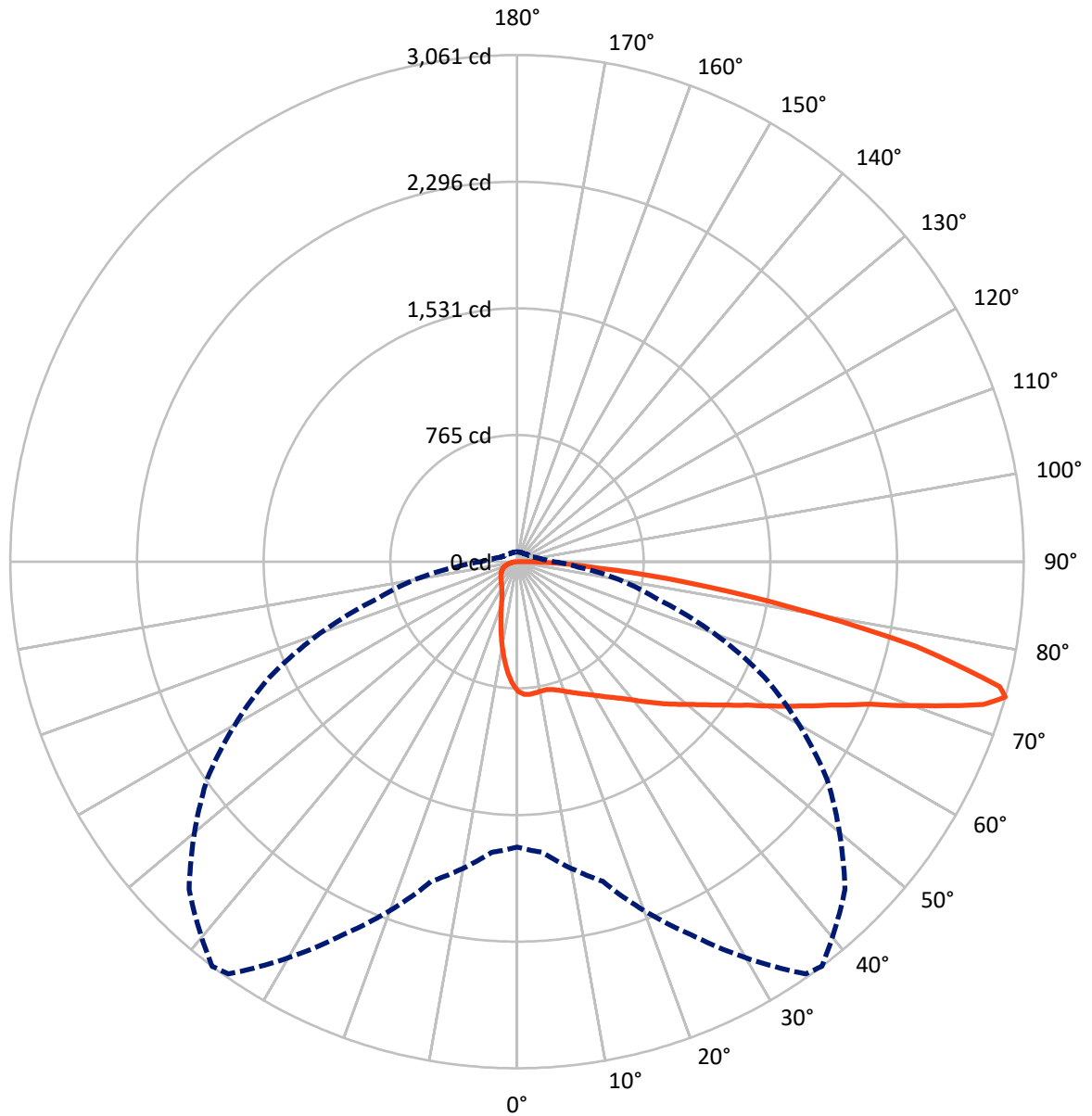
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 37-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

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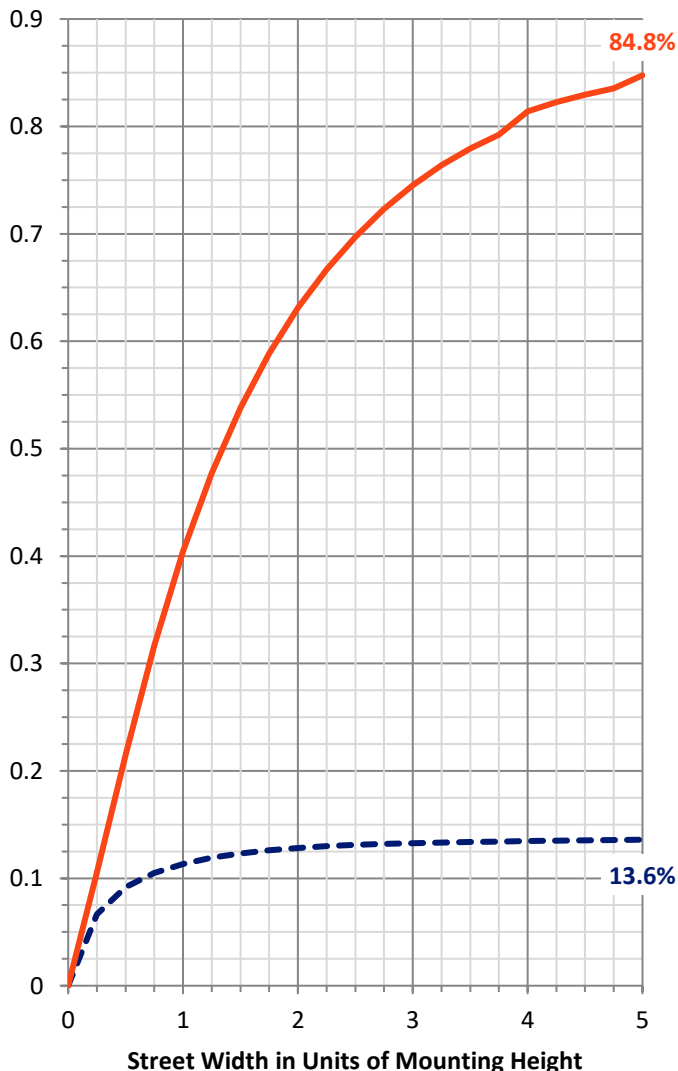
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	611.2	0.0	611.2
	% Fixture	13.8	0.0	13.8
Street Side	Lumens	3831.2	0.0	3831.2
	% Fixture	86.2	0.0	86.2
Total	Lumens	4442.4	0.0	4442.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.9	1.6
10°-20°	176.7	4.0
20°-30°	272.2	6.1
30°-40°	395.9	8.9
40°-50°	582.7	13.1
50°-60°	818.2	18.4
60°-70°	1035.6	23.3
70°-80°	911.9	20.5
80°-90°	180.3	4.1
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°	4442.4	100.0
0°-180°	4442.4	100.0

Coefficient of Utilization



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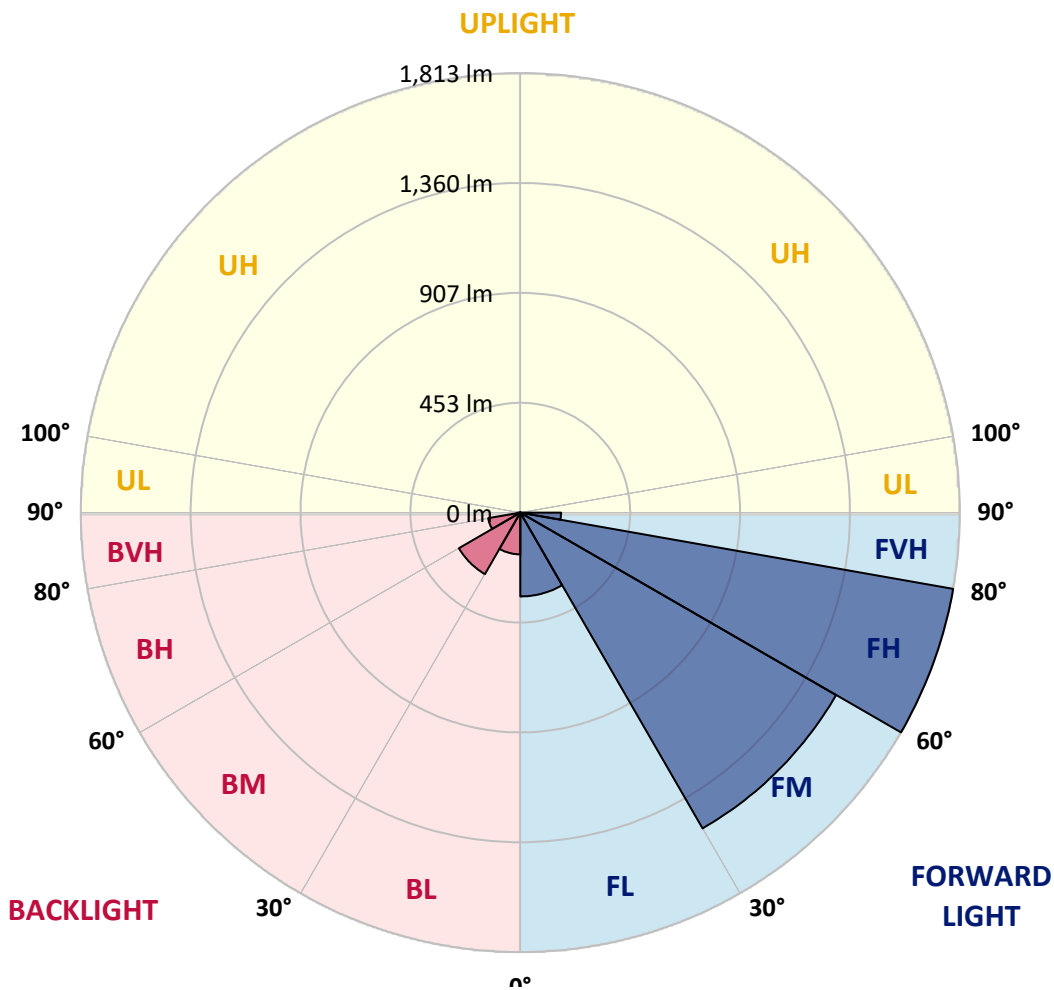
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	345.7	7.8			
FM (30°-60°)	1504.2	33.9			
FH (60°-80°)	1813.2	40.8			G2/5000
FVH (80°-90°)	168.1	3.8			G2/225
BL (0°-30°)	172.2	3.9	B1/500		
BM (30°-60°)	292.5	6.6	B1/1000		
BH (60°-80°)	134.4	3.0	B1/500		G1/500
BVH (80°-90°)	12.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	782.7	782.7	782.7	782.7	782.7	782.7	782.7	782.7	782.7	782.7	782.7
2.5°	809.5	809.7	809.5	808.3	805.2	802.8	800.7	797.7	791.2	786.2	778.7
5°	817.2	816.2	815.6	813.2	808.5	805.7	801.9	796.2	785.4	775.4	763.2
7.5°	813.5	812.5	811.1	808.3	802.9	800.6	795.1	787.8	774.7	761.6	744.1
10°	802.4	802.1	801.5	800.9	796.3	794.4	789.5	781.7	768.8	752.8	732.4
12.5°	790.1	790.9	793.4	796.7	794.6	793.7	790.6	785.2	772.1	754.9	730.2
15°	782.2	784.5	791.2	799.8	801.5	801.2	800.5	797.0	783.1	763.9	735.2
17.5°	779.6	783.2	796.0	810.2	815.3	816.3	816.7	810.7	795.3	775.1	740.3
20°	784.5	789.0	807.8	827.3	835.3	836.0	834.6	824.2	806.8	784.6	743.2
22.5°	799.1	803.3	826.7	848.7	857.9	858.8	854.6	838.9	819.1	795.9	747.1
25°	827.5	832.5	856.0	878.1	882.7	882.8	876.7	857.4	835.0	811.6	755.5
27.5°	864.4	869.4	890.5	912.2	909.6	908.2	899.9	880.5	855.8	833.4	770.5
30°	905.6	911.0	931.0	946.4	940.4	937.6	930.9	905.9	884.7	863.2	793.5
32.5°	948.1	953.1	970.7	981.2	973.7	972.4	962.2	939.4	922.5	908.6	830.8
35°	991.8	995.4	1012.6	1018.6	1008.5	1008.3	1005.4	984.5	973.8	980.4	884.9
37.5°	1036.4	1037.4	1052.0	1052.3	1049.4	1050.6	1053.6	1040.5	1043.5	1064.0	955.4
40°	1076.2	1078.6	1089.3	1092.6	1097.8	1102.1	1116.9	1108.4	1131.4	1167.7	1043.0
42.5°	1105.6	1110.4	1127.5	1135.9	1152.6	1159.6	1180.5	1188.5	1234.8	1289.2	1147.2
45°	1130.5	1138.0	1165.3	1182.7	1211.1	1223.1	1253.2	1279.9	1351.7	1421.2	1256.9
47.5°	1157.3	1166.9	1201.2	1234.4	1272.9	1286.5	1341.1	1381.1	1476.4	1553.9	1360.3
50°	1197.0	1204.3	1237.7	1289.9	1338.0	1355.5	1431.1	1488.5	1603.2	1680.3	1450.0
52.5°	1252.2	1249.4	1277.7	1350.8	1415.2	1436.8	1527.2	1602.7	1731.7	1794.7	1525.8
55°	1307.7	1303.0	1322.9	1414.4	1505.4	1528.1	1632.9	1717.4	1853.9	1897.7	1583.8
57.5°	1369.5	1360.6	1377.3	1486.3	1608.1	1635.1	1751.4	1839.3	1974.0	1980.9	1620.7
60°	1433.2	1421.2	1440.0	1575.4	1738.3	1770.3	1890.0	1958.3	2087.3	2047.6	1632.6
62.5°	1488.9	1480.5	1509.4	1674.7	1885.4	1920.4	2026.2	2084.7	2199.0	2075.3	1589.7
65°	1537.6	1539.0	1589.1	1786.4	2049.2	2086.6	2182.3	2240.5	2287.0	2058.9	1489.4
67.5°	1595.7	1603.6	1689.1	1933.6	2255.4	2296.4	2409.5	2410.5	2336.2	1962.5	1291.9
70°	1680.3	1696.7	1826.7	2137.6	2548.7	2605.0	2692.3	2510.3	2267.1	1701.1	1016.5
72.5°	1755.4	1786.1	1972.9	2371.0	2906.1	2948.8	2857.7	2452.8	1978.7	1274.9	633.2
74°	1724.9	1763.0	1999.6	2486.1	3040.6	3061.1	2801.8	2284.7	1649.8	882.8	368.1
75°	1659.2	1700.5	1960.7	2485.0	3023.6	3012.2	2666.9	2092.7	1358.7	602.2	244.9
77.5°	1339.0	1382.7	1652.1	2129.7	2479.2	2468.4	2048.7	1403.8	595.1	197.5	124.4
80°	778.5	811.8	1025.6	1352.4	1671.7	1691.3	1347.4	694.6	234.1	110.9	84.4
82.5°	345.8	368.8	495.4	690.4	1008.8	1034.1	705.6	364.0	144.6	67.4	50.7
85°	226.9	244.0	300.8	328.8	480.4	497.6	345.3	283.4	95.4	37.1	37.2
87.5°	163.2	179.6	223.5	195.1	220.5	208.7	188.0	262.3	38.3	21.1	12.5
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°	782.7	782.7	782.7	782.7	782.7	782.7	782.7	782.7	782.7	782.7	782.7
2.5°	775.4	772.8	767.2	756.6	750.7	745.7	737.3	732.5	730.3	730.2	731.1
5°	756.1	750.3	735.8	718.0	703.7	690.7	674.6	664.9	658.0	653.9	655.0
7.5°	733.8	724.6	701.8	673.4	650.5	625.4	600.5	585.5	574.0	565.4	566.9
10°	718.4	705.9	672.6	631.6	593.5	557.0	522.7	502.2	485.9	473.4	474.3
12.5°	713.3	696.4	650.2	595.4	542.0	492.0	447.2	415.8	399.1	384.8	385.9
15°	714.0	691.3	631.4	562.9	495.7	432.7	378.4	341.6	318.9	309.1	309.2
17.5°	714.7	685.6	611.7	527.9	449.9	377.3	318.3	281.1	259.6	250.5	250.7
20°	712.6	676.2	587.3	487.9	402.0	326.4	269.3	237.7	221.4	214.4	214.4
22.5°	710.0	665.1	559.8	447.7	354.7	282.3	234.3	210.1	200.7	196.1	196.0
25°	711.2	656.7	531.6	406.4	311.2	247.1	210.9	195.0	188.7	185.7	185.6
27.5°	718.0	652.9	505.6	365.2	273.2	220.7	195.3	184.0	180.0	178.1	178.1
30°	730.2	652.9	478.5	330.2	241.6	201.1	183.3	175.6	172.8	171.5	171.5
32.5°	751.4	656.4	452.4	295.4	216.4	185.7	173.2	168.1	165.9	165.2	165.2
35°	788.1	668.7	426.9	262.6	196.1	173.2	163.6	160.7	159.1	158.9	159.4
37.5°	839.5	693.6	402.9	238.3	181.7	163.1	155.7	153.3	152.4	153.2	153.8
40°	904.4	727.4	381.2	216.4	170.7	154.9	148.3	146.8	146.4	147.4	148.3
42.5°	982.6	773.0	363.4	200.7	162.2	148.0	142.1	140.3	139.8	141.0	142.2
45°	1067.2	822.2	350.9	188.9	155.7	142.9	136.6	134.6	133.7	134.2	135.6
47.5°	1144.2	868.7	345.8	180.6	149.5	138.5	131.8	129.3	127.7	127.4	128.5
50°	1209.2	903.2	348.1	175.6	144.5	133.7	127.1	124.3	121.9	120.5	121.3
52.5°	1256.4	925.0	350.4	173.4	140.5	128.3	121.9	119.2	116.1	113.8	113.8
55°	1290.6	930.0	345.5	171.6	137.5	122.5	116.1	113.6	110.5	107.8	107.5
57.5°	1304.2	915.9	327.6	169.2	135.6	117.0	110.0	108.1	105.5	102.3	102.2
60°	1286.0	872.4	292.8	163.8	132.8	112.5	103.9	102.7	101.4	98.4	98.3
62.5°	1213.0	777.0	247.9	153.0	127.6	107.7	98.3	98.9	99.0	97.0	96.7
65°	1080.9	645.8	204.0	138.9	119.6	101.8	92.4	95.4	97.1	96.9	96.4
67.5°	888.7	502.7	172.9	124.1	109.1	93.8	86.2	89.7	91.0	92.2	91.9
70°	659.5	354.4	143.1	108.4	96.4	84.5	78.1	79.8	78.9	80.1	80.6
72.5°	367.8	212.7	116.6	92.8	83.2	73.6	69.0	68.7	66.7	66.7	66.7
74°	220.7	156.0	102.5	83.1	75.2	66.3	62.5	61.1	59.2	59.3	59.2
75°	177.5	134.1	94.0	76.7	69.6	62.1	58.2	56.4	55.0	55.0	54.8
77.5°	112.1	101.8	75.7	61.1	55.7	51.2	48.5	46.0	46.0	45.8	45.7
80°	84.6	81.1	59.0	46.1	42.7	39.3	37.6	36.4	36.4	36.9	36.7
82.5°	58.1	61.1	41.4	32.2	30.5	28.0	27.7	27.9	27.4	26.8	26.6
85°	42.4	45.8	28.0	20.4	18.6	17.1	18.3	19.0	18.1	16.7	16.2
87.5°	16.3	30.1	15.0	8.5	7.8	6.8	7.8	8.2	8.7	6.9	7.0
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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