

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: P386276

Luminaire Tested: **GWC-SA1D-830-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386276
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-SA1D-830-U-SL4-HSS
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS 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: 5345 lumens
Efficiency: N/A
Efficacy: 81.0 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

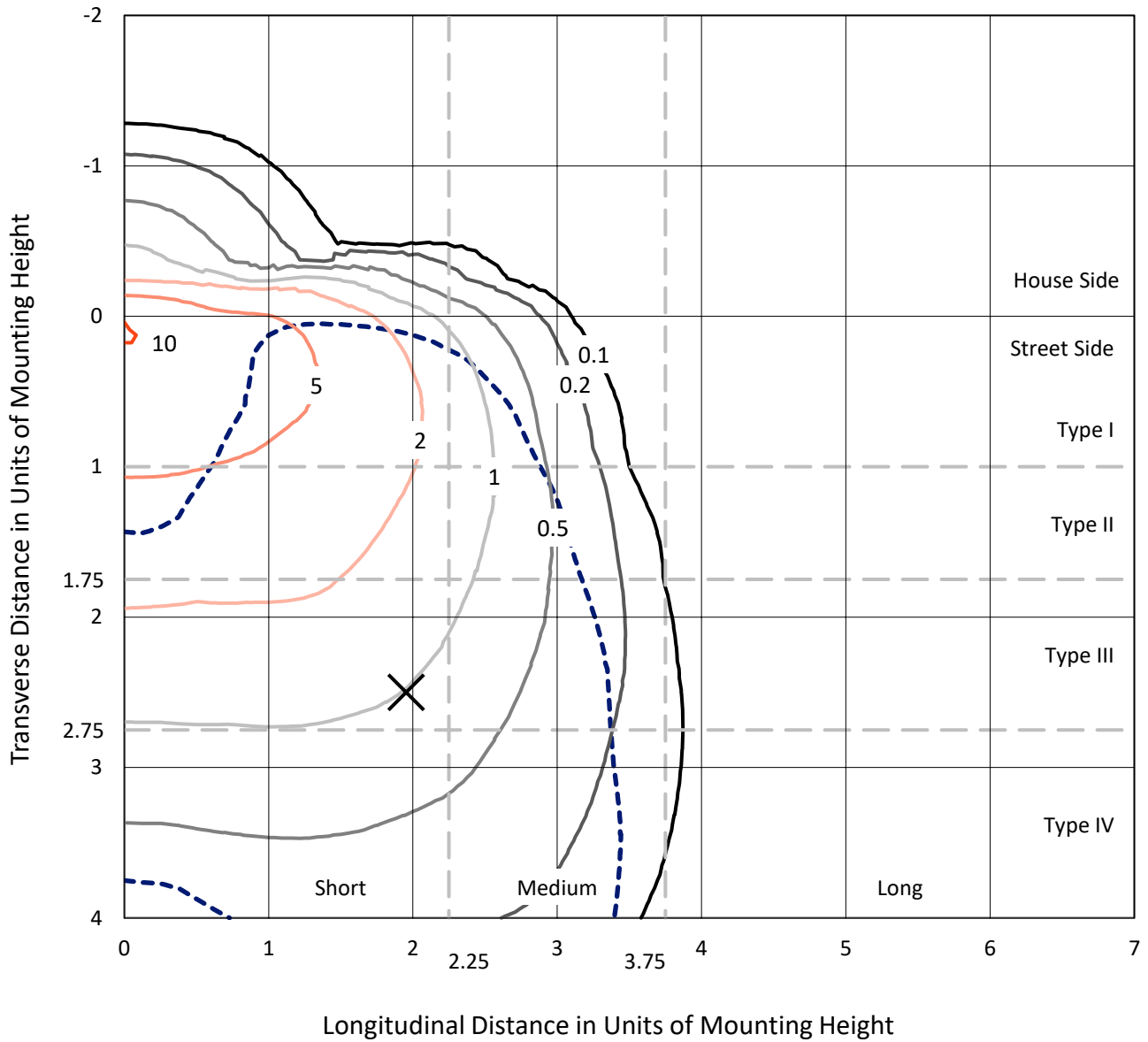
Input Watts (W): 66
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

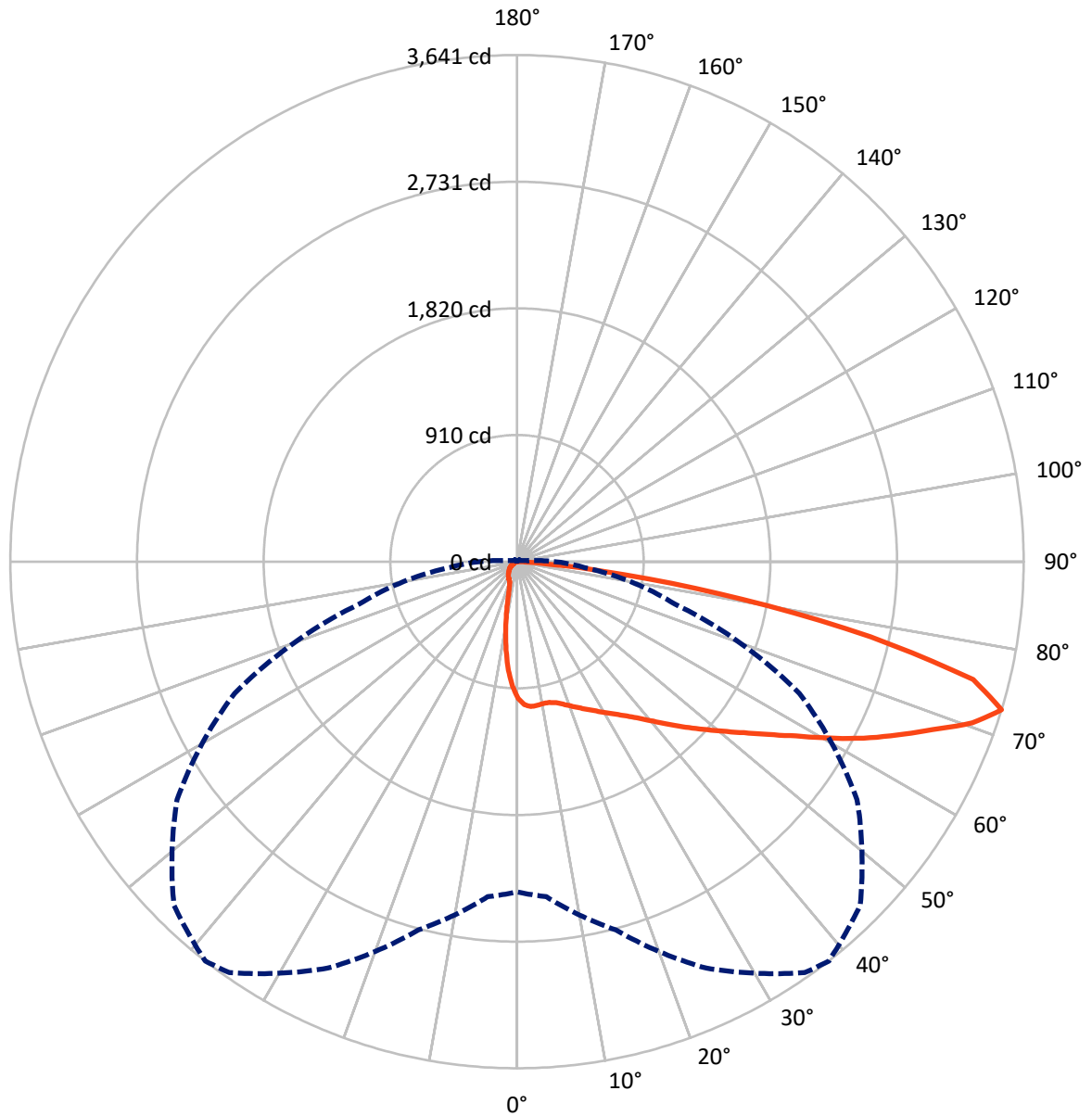
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.4 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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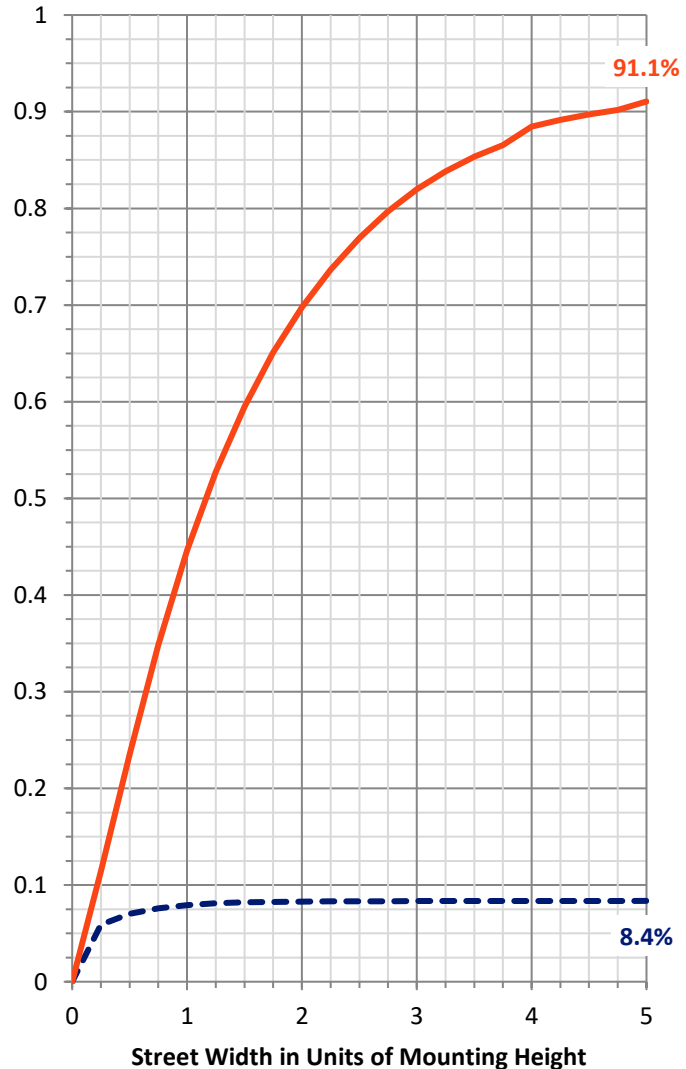
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	449.8	0.0	449.8
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	4895.2	0.0	4895.2
	% Fixture	91.6	0.0	91.6
Total	Lumens	5345.0	0.0	5345.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.8	1.6
10°-20°	204.8	3.8
20°-30°	325.8	6.1
30°-40°	489.8	9.2
40°-50°	747.2	14.0
50°-60°	1056.0	19.8
60°-70°	1324.6	24.8
70°-80°	990.4	18.5
80°-90°	122.8	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°	5345.0	100.0
0°-180°	5345.0	100.0



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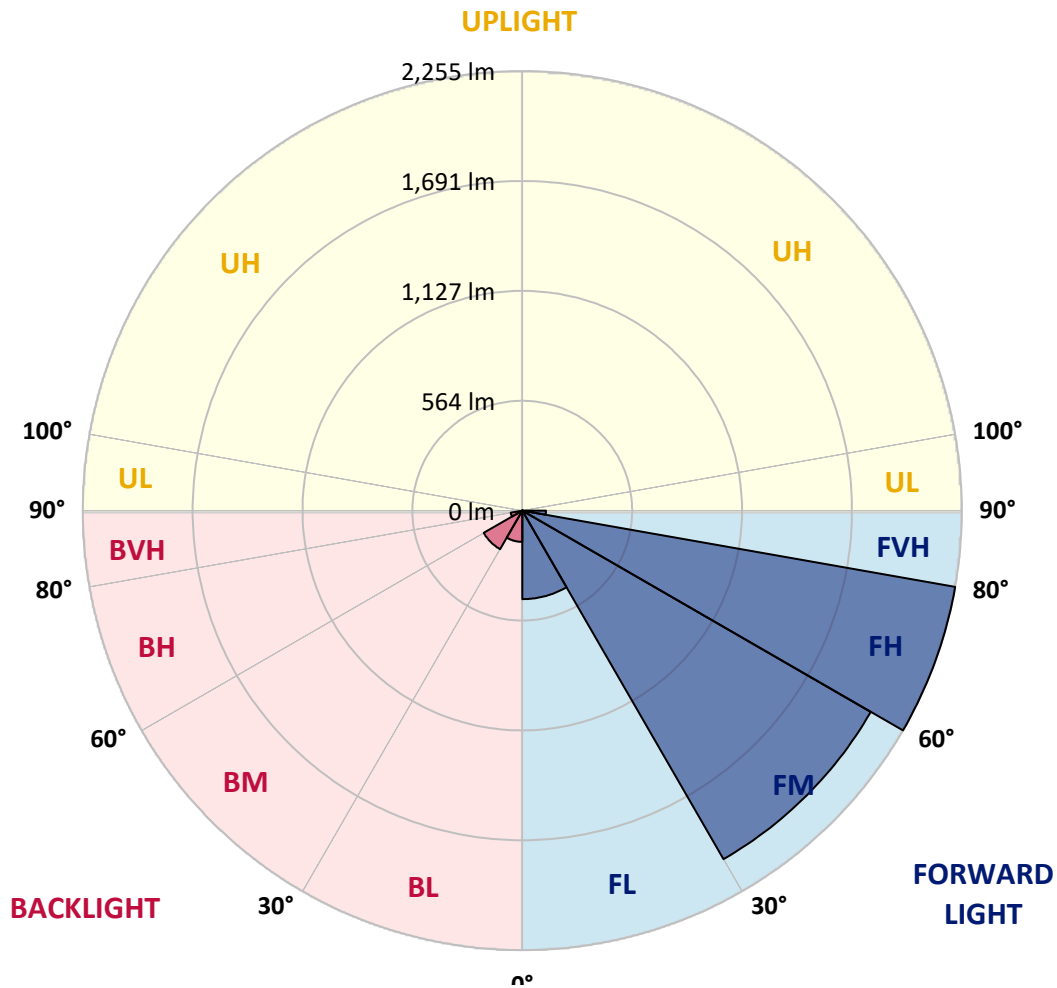
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	454.2	8.5			
FM (30°-60°)	2064.5	38.6			
FH (60°-80°)	2254.9	42.2			G2/5000
FVH (80°-90°)	121.7	2.3			G2/225
BL (0°-30°)	160.2	3.0	B1/500		
BM (30°-60°)	228.4	4.3	B1/1000		
BH (60°-80°)	60.1	1.1	B0/110		G0/110
BVH (80°-90°)	1.1	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	982.9	982.9	982.9	982.9	982.9	982.9	982.9	982.9	982.9	982.9	982.9
2.5°	1043.3	1043.5	1041.1	1037.1	1032.0	1029.3	1024.9	1017.8	1010.2	996.7	982.0
5°	1064.6	1064.6	1061.5	1056.2	1048.0	1045.5	1037.1	1025.8	1010.2	988.3	963.6
7.5°	1062.4	1062.8	1058.6	1053.1	1044.9	1042.6	1032.4	1019.8	1000.5	973.8	942.3
10°	1050.9	1052.0	1048.6	1046.0	1038.4	1036.0	1026.4	1013.8	994.5	966.1	929.9
12.5°	1039.1	1040.2	1041.3	1043.8	1039.1	1038.2	1030.7	1020.0	1001.6	972.1	931.2
15°	1031.5	1033.8	1041.8	1051.3	1052.4	1051.5	1046.6	1036.6	1018.0	987.4	940.8
17.5°	1031.5	1035.1	1051.7	1069.9	1076.4	1077.0	1072.8	1058.8	1036.6	1003.8	949.6
20°	1040.2	1045.1	1071.1	1096.8	1107.5	1107.5	1099.2	1079.7	1053.7	1018.7	955.6
22.5°	1062.4	1068.8	1101.5	1131.2	1142.5	1140.1	1129.0	1100.6	1071.5	1035.5	963.2
25°	1106.1	1111.0	1145.0	1174.9	1181.8	1176.3	1162.3	1125.9	1094.1	1058.4	976.9
27.5°	1162.5	1163.2	1198.2	1223.6	1219.3	1215.6	1198.0	1157.6	1126.8	1091.0	1000.7
30°	1224.4	1224.4	1255.3	1274.6	1261.7	1258.6	1241.1	1196.0	1168.5	1135.4	1034.4
32.5°	1284.4	1287.0	1312.1	1324.3	1309.9	1306.8	1289.7	1244.6	1224.0	1203.1	1087.0
35°	1342.3	1344.3	1368.1	1374.7	1361.0	1361.8	1349.6	1311.5	1303.7	1301.0	1166.3
37.5°	1398.5	1398.9	1423.1	1427.3	1420.5	1428.0	1429.1	1395.4	1409.8	1431.3	1277.9
40°	1449.8	1450.2	1474.2	1485.0	1496.8	1506.6	1515.2	1497.3	1545.0	1594.9	1410.9
42.5°	1490.8	1495.5	1525.9	1546.5	1577.6	1596.3	1619.8	1618.9	1705.9	1780.9	1571.6
45°	1527.0	1535.0	1577.4	1613.6	1666.8	1696.6	1733.4	1762.3	1887.1	1988.1	1734.3
47.5°	1574.7	1582.3	1630.7	1689.9	1761.0	1800.0	1861.1	1923.5	2086.2	2191.4	1893.3
50°	1642.0	1638.7	1686.4	1771.4	1862.6	1913.9	2000.9	2094.4	2283.7	2368.5	1986.7
52.5°	1713.7	1712.4	1747.6	1860.0	1982.5	2042.4	2157.4	2271.1	2472.6	2490.6	2029.6
55°	1802.5	1792.9	1822.7	1961.0	2124.8	2189.2	2324.6	2446.0	2623.1	2559.4	2051.1
57.5°	1895.5	1879.7	1908.1	2073.5	2285.3	2361.4	2509.7	2616.5	2723.3	2606.5	2050.9
60°	1991.6	1973.0	2006.7	2214.3	2484.6	2572.7	2710.4	2731.7	2816.7	2630.2	2035.8
62.5°	2072.0	2060.9	2111.0	2364.8	2707.3	2793.8	2862.0	2836.5	2895.5	2648.7	2000.5
65°	2157.0	2157.6	2238.7	2540.3	2943.9	3002.3	3008.1	2972.3	2961.4	2644.9	1881.1
67.5°	2272.0	2282.6	2417.8	2778.7	3174.1	3219.2	3218.7	3119.5	3009.6	2494.8	1616.2
70°	2393.6	2418.7	2624.2	3051.6	3425.4	3471.1	3447.6	3213.2	2833.8	2017.4	1143.9
72.5°	2373.2	2416.7	2739.0	3223.6	3605.8	3640.7	3487.8	2983.0	2239.8	1172.5	487.0
75°	1830.9	1881.3	2511.5	3053.1	3416.5	3385.2	2996.7	2321.2	1224.0	327.2	109.7
77.5°	967.2	994.0	1659.1	2325.9	2664.0	2598.5	2111.0	1287.7	373.1	81.0	49.3
80°	506.6	512.8	723.0	1319.7	1644.2	1644.7	1251.1	565.6	153.8	41.5	33.1
82.5°	271.3	276.6	382.0	609.8	861.5	780.9	479.0	311.2	89.5	23.5	31.7
85°	65.3	66.4	216.7	278.6	338.7	242.0	142.3	261.3	24.2	13.8	25.7
87.5°	25.1	25.5	80.4	120.5	86.4	55.9	66.6	97.4	3.1	5.3	4.0
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°	982.9	982.9	982.9	982.9	982.9	982.9	982.9	982.9	982.9	982.9	982.9
2.5°	973.2	967.4	953.2	935.2	919.2	907.7	890.4	879.0	871.5	871.3	868.4
5°	948.5	936.8	906.1	869.7	836.6	806.9	771.8	744.1	723.4	720.1	713.0
7.5°	922.1	902.8	855.7	798.9	743.4	687.0	621.5	580.9	546.1	529.4	527.6
10°	905.9	878.8	812.0	729.9	642.9	551.2	465.5	406.2	363.4	351.2	342.1
12.5°	902.6	866.8	778.3	665.1	540.7	419.5	324.8	261.7	227.5	216.7	213.8
15°	905.9	861.3	749.8	600.9	437.3	297.7	218.0	181.4	168.5	165.4	165.2
17.5°	907.9	854.6	717.7	529.6	337.0	212.7	166.9	156.3	154.3	154.1	154.5
20°	907.7	844.4	679.3	450.2	250.6	167.2	150.9	148.7	148.3	148.5	148.3
22.5°	906.1	832.4	637.1	368.3	189.3	149.4	144.1	142.7	142.5	142.5	142.5
25°	909.0	822.9	590.7	289.9	156.1	141.2	137.8	136.7	136.5	136.5	136.1
27.5°	919.4	817.6	539.9	223.1	141.0	133.9	131.2	131.0	130.3	130.1	130.5
30°	936.3	817.6	484.1	173.6	131.9	126.3	124.3	123.9	123.6	123.4	123.6
32.5°	966.1	823.8	423.3	144.3	123.2	117.9	116.5	117.2	116.5	116.5	116.5
35°	1019.8	842.4	359.6	125.9	114.1	109.7	108.3	109.2	108.8	108.8	108.5
37.5°	1098.1	877.0	295.5	114.8	106.1	101.4	99.7	101.0	100.6	100.6	100.3
40°	1193.6	927.4	234.4	106.3	98.3	93.5	91.9	92.6	91.5	91.5	91.9
42.5°	1311.5	991.4	181.1	98.1	90.6	85.9	85.0	84.4	82.4	81.2	81.5
45°	1442.4	1058.0	141.2	90.1	83.2	79.5	78.1	76.4	73.0	70.8	71.0
47.5°	1559.4	1109.2	114.8	82.4	76.6	73.7	71.7	68.4	63.5	60.8	61.0
50°	1620.9	1117.0	97.7	74.6	70.4	67.5	64.6	59.5	53.7	50.8	50.6
52.5°	1636.7	1080.6	85.0	67.5	64.2	60.8	57.0	50.2	43.7	40.6	40.2
55°	1642.4	1025.1	73.7	60.8	57.5	53.7	48.8	41.1	35.1	32.0	31.7
57.5°	1623.3	942.3	64.8	54.8	50.8	46.2	40.2	32.9	27.1	24.6	24.6
60°	1580.9	830.2	57.9	48.4	44.0	38.6	32.4	25.5	20.2	18.2	18.2
62.5°	1496.4	685.0	51.5	41.7	37.5	32.0	26.2	19.3	14.2	13.1	13.3
65°	1336.8	519.7	45.1	35.7	32.0	26.4	20.4	13.8	9.5	9.5	10.0
67.5°	1090.1	360.9	38.4	30.4	27.5	21.5	15.5	9.5	6.7	7.5	8.4
70°	721.7	202.4	32.9	25.1	23.5	17.1	11.5	6.4	5.3	7.1	8.7
72.5°	272.4	78.8	27.5	20.2	20.4	13.1	8.2	4.9	4.9	7.8	10.2
75°	75.9	38.6	19.8	14.9	16.0	9.5	6.0	4.2	4.7	8.9	12.0
77.5°	44.6	28.4	12.9	8.7	10.9	6.7	4.0	3.3	4.0	7.5	11.5
80°	36.0	15.1	7.5	4.4	6.0	3.8	2.7	2.0	1.1	2.9	6.0
82.5°	36.0	9.1	3.6	3.1	3.1	2.0	1.3	0.9	0.2	0.0	1.6
85°	24.2	3.8	2.2	2.0	1.6	0.7	0.4	0.2	0.0	0.0	0.0
87.5°	4.0	1.6	0.9	0.4	0.2	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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