

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: P386283

Luminaire Tested: **GWC-SA1D-830-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386283
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)
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-T2
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6461 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

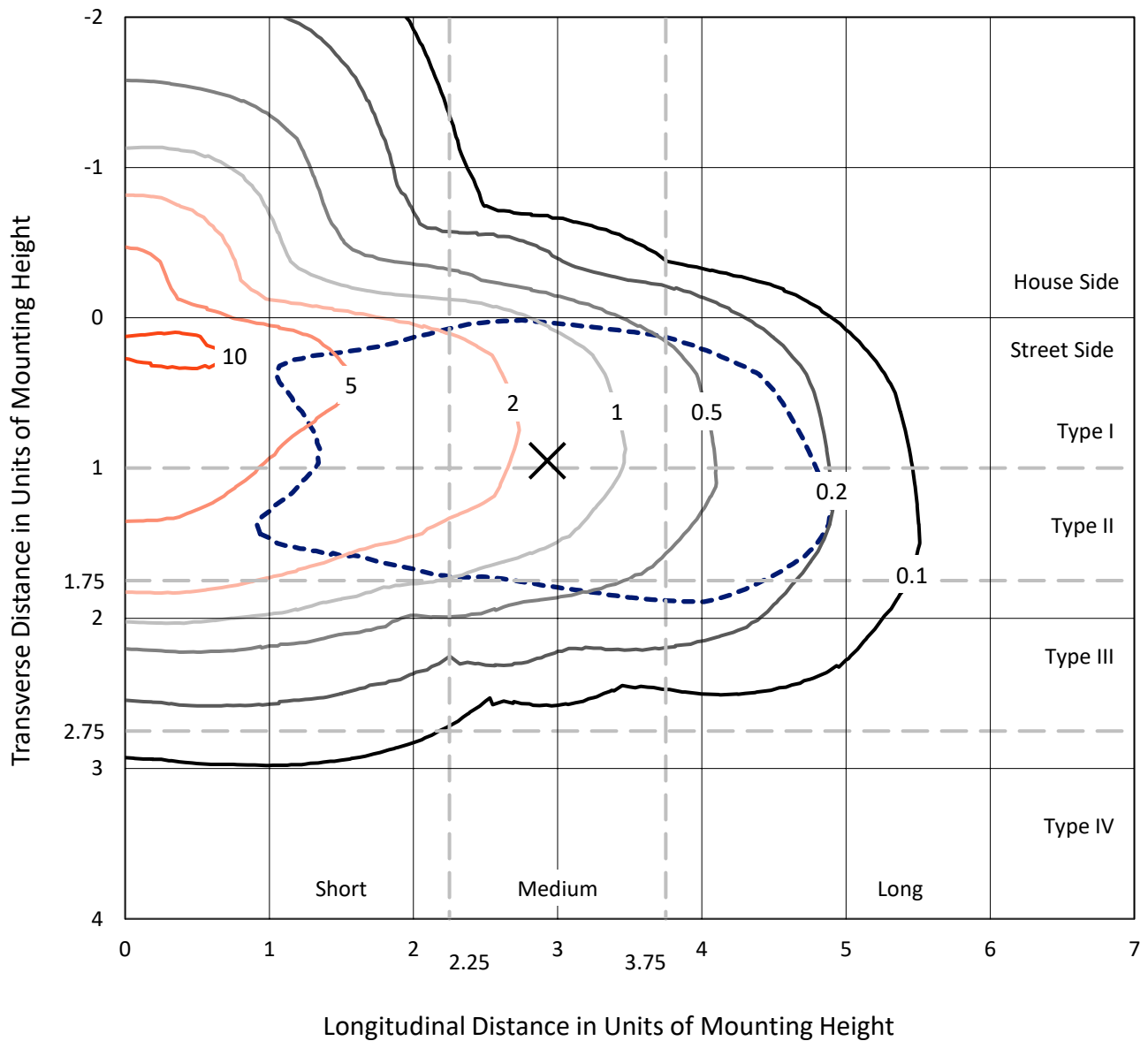
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

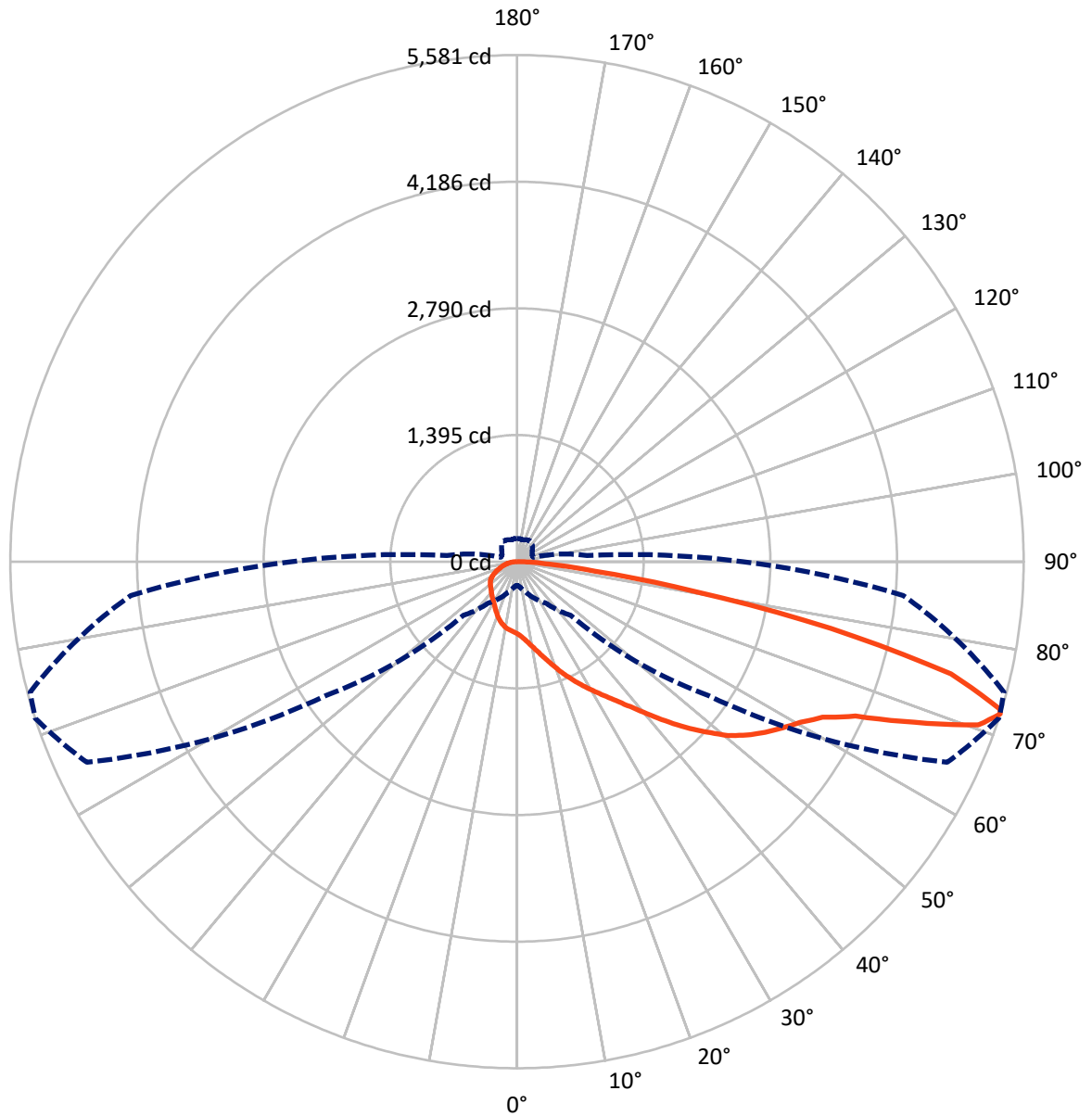
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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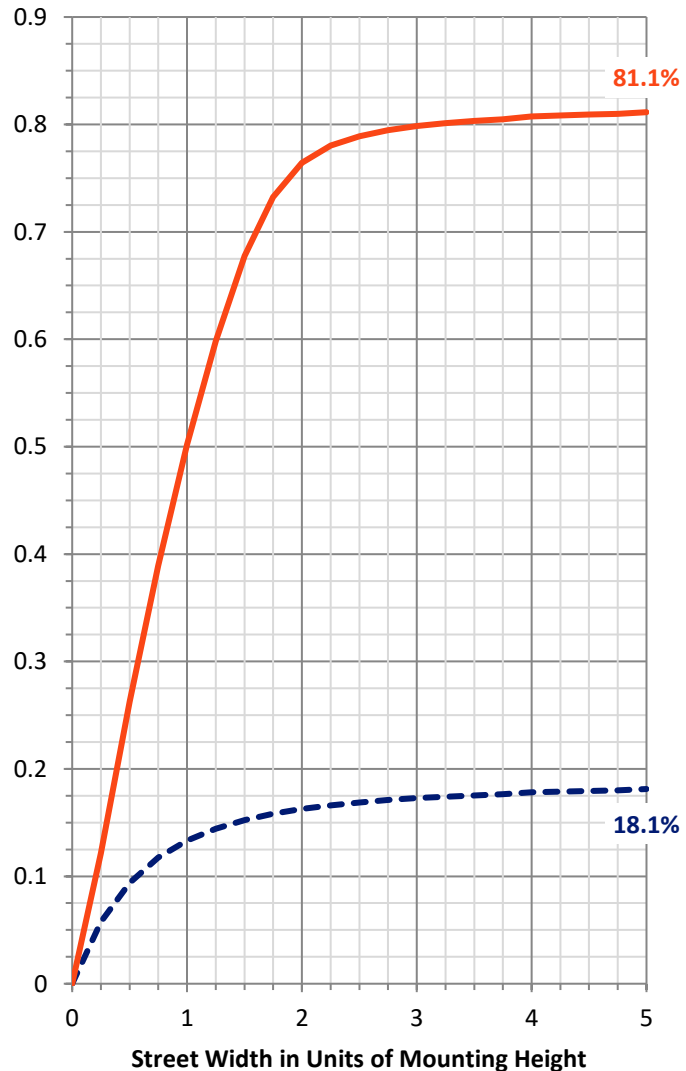
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1198.6	0.0	1198.6
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	5262.4	0.0	5262.4
	% Fixture	81.4	0.0	81.4
Total	Lumens	6461.0	0.0	6461.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.6	1.2
10°-20°	257.4	4.0
20°-30°	451.0	7.0
30°-40°	668.7	10.4
40°-50°	978.1	15.1
50°-60°	1345.8	20.8
60°-70°	1498.3	23.2
70°-80°	1015.2	15.7
80°-90°	166.9	2.6
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°	6461.0	100.0
0°-180°	6461.0	100.0

Coefficient of Utilization



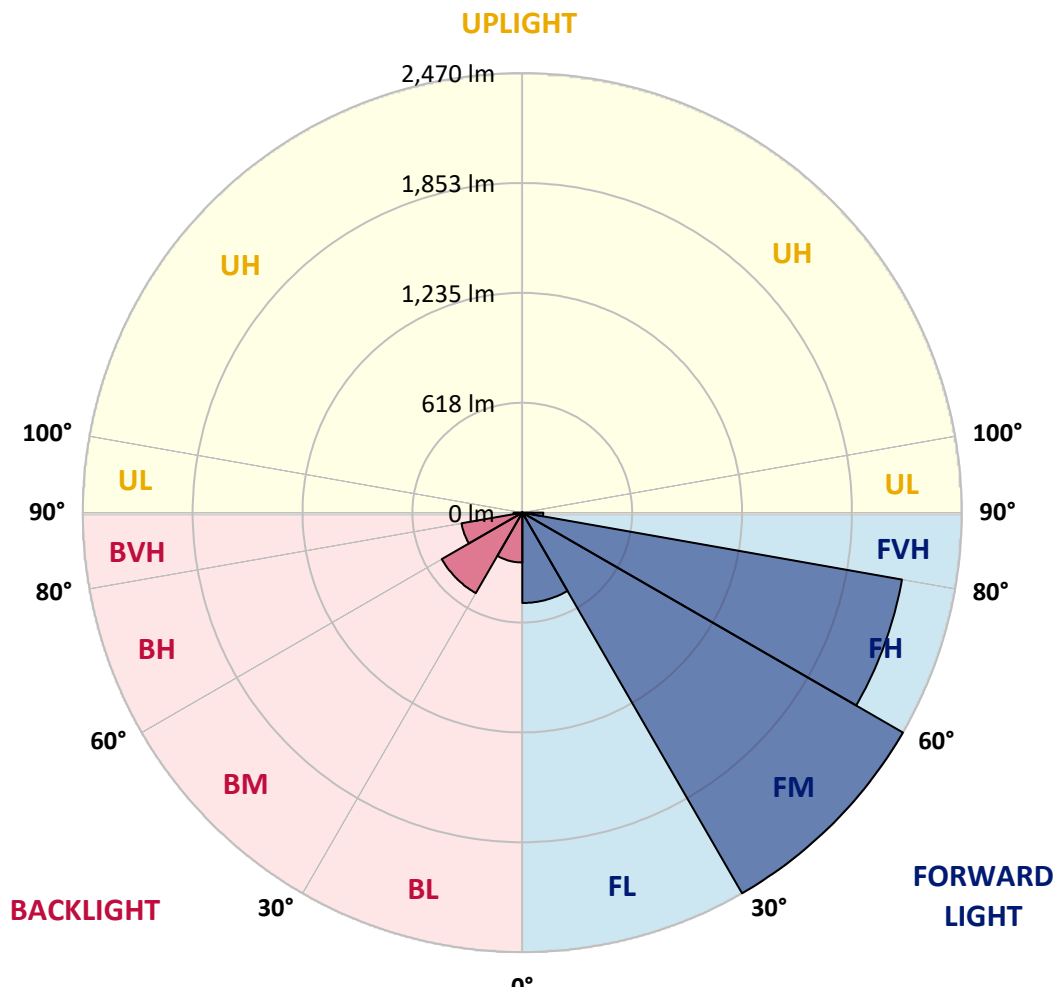
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	507.9	7.9			
FM (30°-60°)	2470.1	38.2			
FH (60°-80°)	2166.7	33.5			G2/5000
FVH (80°-90°)	117.7	1.8			G2/225
BL (0°-30°)	280.2	4.3	B1/500		
BM (30°-60°)	522.5	8.1	B1/1000		
BH (60°-80°)	346.8	5.4	B1/500		G1/500
BVH (80°-90°)	49.2	0.8			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	794.9	794.9	794.9	794.9	794.9	794.9	794.9	794.9	794.9	794.9	794.9
2.5°	878.1	876.7	872.1	872.1	863.2	855.6	841.4	831.8	820.5	816.5	803.1
5°	963.1	963.5	957.7	953.7	940.6	924.6	900.3	878.3	856.3	847.4	820.0
7.5°	1034.5	1033.6	1032.0	1028.7	1016.4	1000.0	967.3	934.6	902.1	888.8	841.6
10°	1080.3	1082.3	1083.6	1085.2	1080.1	1068.3	1037.4	997.5	955.0	936.8	867.4
12.5°	1103.4	1107.0	1113.2	1123.9	1132.4	1131.0	1108.5	1066.3	1015.8	992.9	899.7
15°	1117.0	1121.7	1131.5	1150.6	1174.4	1188.0	1182.0	1143.7	1087.4	1059.2	939.0
17.5°	1125.5	1129.2	1144.4	1169.9	1205.3	1241.4	1257.2	1225.1	1168.4	1136.1	984.2
20°	1131.2	1134.1	1153.0	1183.1	1228.9	1286.3	1330.3	1322.3	1257.6	1215.8	1031.4
22.5°	1144.1	1146.6	1164.6	1194.9	1245.6	1319.7	1400.9	1412.9	1351.7	1304.3	1081.9
25°	1180.2	1180.2	1195.3	1216.4	1264.1	1348.6	1460.5	1513.7	1447.8	1392.6	1128.6
27.5°	1248.9	1248.3	1253.8	1261.2	1297.2	1378.0	1513.7	1602.6	1547.5	1487.2	1174.0
30°	1330.3	1334.8	1335.5	1331.9	1348.8	1414.7	1562.8	1696.5	1647.8	1582.8	1220.4
32.5°	1435.1	1438.0	1434.7	1422.9	1420.4	1466.7	1611.1	1794.9	1756.4	1682.7	1262.9
35°	1568.2	1562.6	1552.1	1528.1	1505.2	1536.4	1666.3	1893.2	1878.3	1803.5	1321.4
37.5°	1710.8	1711.0	1698.1	1643.6	1612.0	1625.3	1742.4	2004.6	2025.8	1947.2	1396.4
40°	1825.1	1831.1	1839.1	1767.5	1726.6	1745.0	1839.1	2133.9	2200.2	2117.7	1494.1
42.5°	1905.0	1911.9	1934.6	1889.6	1847.1	1881.4	1953.0	2271.8	2396.0	2314.3	1608.4
45°	1989.5	1993.3	2009.3	1990.0	1962.8	2040.0	2081.4	2414.6	2603.1	2523.9	1736.3
47.5°	2078.5	2082.5	2099.0	2086.1	2071.8	2188.2	2215.3	2549.2	2801.5	2754.1	1872.9
50°	2188.4	2191.1	2206.6	2183.3	2187.7	2299.9	2335.0	2672.7	3009.5	2961.0	2010.0
52.5°	2338.3	2339.0	2360.6	2339.5	2318.5	2381.7	2438.0	2789.1	3172.6	3149.7	2147.0
55°	2455.8	2462.9	2533.7	2529.2	2517.2	2456.0	2524.1	2899.8	3318.1	3329.0	2292.5
57.5°	2380.8	2408.6	2551.9	2652.9	2751.2	2640.9	2640.5	3024.6	3453.3	3505.0	2452.5
60°	2085.2	2123.0	2334.1	2558.1	2865.8	2962.6	2882.0	3177.0	3589.9	3679.4	2652.9
62.5°	1489.2	1551.5	1837.6	2195.3	2708.7	3175.7	3373.7	3418.9	3775.7	3881.4	2913.4
65°	752.8	800.0	1039.8	1470.7	2164.2	3036.4	3908.1	3948.3	4098.5	4192.4	3314.5
67.5°	457.4	475.2	592.2	818.0	1326.8	2365.3	4082.5	4830.9	4723.2	4773.0	3886.5
70°	337.0	350.2	423.1	543.3	763.1	1388.0	3547.2	5460.7	5389.9	5384.3	4309.2
72°	262.5	272.1	336.6	438.9	557.9	832.7	2571.0	5228.2	5580.8	5552.8	4270.5
72.5°	248.9	257.4	316.1	413.1	527.2	754.8	2311.6	5071.3	5567.0	5554.3	4220.4
75°	196.0	202.0	234.0	319.5	412.7	428.2	1266.7	3930.1	4938.5	5143.9	3795.9
77.5°	162.2	163.1	180.0	232.5	321.7	302.8	622.2	2726.8	3536.3	3762.1	2688.9
80°	132.1	133.3	141.3	163.1	243.4	224.0	295.4	1567.9	1979.9	1982.4	1278.7
82.5°	105.2	105.4	114.3	119.2	174.9	160.2	169.3	736.1	865.2	832.2	459.6
85°	74.1	72.5	111.7	97.9	114.3	102.8	93.4	291.4	357.7	342.2	143.9
87.5°	24.7	25.6	49.6	63.4	66.7	58.3	41.6	111.7	135.0	133.9	45.6
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°	794.9	794.9	794.9	794.9	794.9	794.9	794.9	794.9	794.9	794.9	794.9
2.5°	798.9	791.8	781.3	769.7	760.6	751.3	744.4	740.8	736.8	733.5	737.5
5°	807.3	794.0	771.7	749.9	733.9	719.7	709.4	704.1	699.2	695.9	696.3
7.5°	821.1	799.5	762.2	730.4	708.1	692.8	682.3	678.7	675.6	674.7	675.9
10°	835.8	804.0	749.5	707.2	681.9	669.2	664.5	667.0	669.2	671.2	673.4
12.5°	852.5	808.0	731.0	680.1	658.5	653.6	658.3	669.0	676.7	681.4	684.3
15°	874.3	811.6	709.7	652.9	638.5	644.0	659.8	678.3	691.9	700.5	701.9
17.5°	894.3	811.3	682.3	625.6	622.2	638.5	662.3	688.3	706.6	718.8	721.2
20°	915.0	805.3	650.5	598.9	605.8	632.5	663.4	694.8	716.8	731.0	734.4
22.5°	934.4	794.9	615.6	574.6	592.0	624.5	659.2	691.0	713.0	724.6	728.1
25°	947.5	776.6	580.2	554.2	579.7	614.7	645.4	671.0	687.4	693.2	694.1
27.5°	954.2	752.8	546.8	536.4	567.1	598.7	619.8	632.5	637.1	636.7	635.8
30°	955.0	721.5	518.1	521.9	552.4	575.1	585.1	582.6	576.6	566.4	567.3
32.5°	952.2	686.1	494.1	508.1	533.7	546.4	546.8	535.0	519.0	502.8	498.3
35°	953.0	651.4	473.0	492.5	511.0	516.6	511.4	494.1	472.3	451.4	446.9
37.5°	962.8	621.1	454.7	474.5	485.9	487.2	479.9	461.6	445.6	425.1	423.4
40°	986.2	599.5	437.4	454.3	460.7	461.4	450.9	438.0	439.4	428.5	428.2
42.5°	1028.2	590.2	422.0	433.1	437.1	438.5	430.5	422.2	433.8	426.7	424.2
45°	1082.5	592.4	409.1	412.5	419.8	426.0	421.1	411.1	415.6	384.6	374.4
47.5°	1145.3	606.7	398.9	394.7	407.3	419.1	411.6	396.4	380.6	349.9	344.2
50°	1218.7	628.7	389.5	377.1	393.8	409.8	402.2	380.6	356.8	341.9	339.9
52.5°	1295.2	655.6	380.2	357.7	376.6	402.7	398.9	377.1	347.7	333.0	330.4
55°	1382.0	682.7	368.4	335.3	358.2	399.3	397.3	364.2	340.8	332.6	330.6
57.5°	1489.9	713.7	352.8	311.9	340.8	387.3	381.1	356.4	333.7	327.5	326.8
60°	1630.5	759.3	330.4	287.0	319.7	368.8	367.5	345.0	322.4	317.9	317.0
62.5°	1841.4	834.7	299.4	262.1	296.1	337.5	349.7	329.7	310.3	310.1	310.6
65°	2168.4	948.2	265.8	240.3	272.3	311.0	329.0	313.9	298.1	302.6	303.2
67.5°	2547.5	1042.3	232.9	218.9	248.0	285.9	310.3	298.1	281.9	293.4	293.7
70°	2673.6	958.2	204.0	197.8	222.9	261.6	290.1	280.8	264.3	275.9	274.7
72°	2488.1	773.5	185.3	181.8	204.0	241.6	272.1	264.5	248.3	256.1	253.2
72.5°	2429.6	737.5	180.6	177.8	198.9	236.5	267.4	260.5	244.3	250.9	248.3
75°	2167.3	640.5	155.3	155.9	173.5	211.6	241.2	238.9	222.2	222.9	222.0
77.5°	1571.9	469.6	130.8	135.3	147.7	186.0	214.7	213.3	195.1	191.8	191.1
80°	729.5	239.6	106.6	108.6	121.5	155.5	183.1	181.3	166.6	162.4	160.0
82.5°	249.8	113.9	80.1	81.4	94.1	125.2	158.8	157.7	145.5	137.3	132.1
85°	89.2	56.7	56.1	54.7	67.2	98.6	138.4	132.4	114.3	97.4	97.0
87.5°	28.9	24.2	28.9	28.7	39.2	66.7	100.6	85.6	83.0	69.0	67.6
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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