

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: P385659

Luminaire Tested: **GWC-SA1B-727-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385659
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA1B-727-U-SL3
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5105 lumens
Efficiency: N/A
Efficacy: 116.0 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

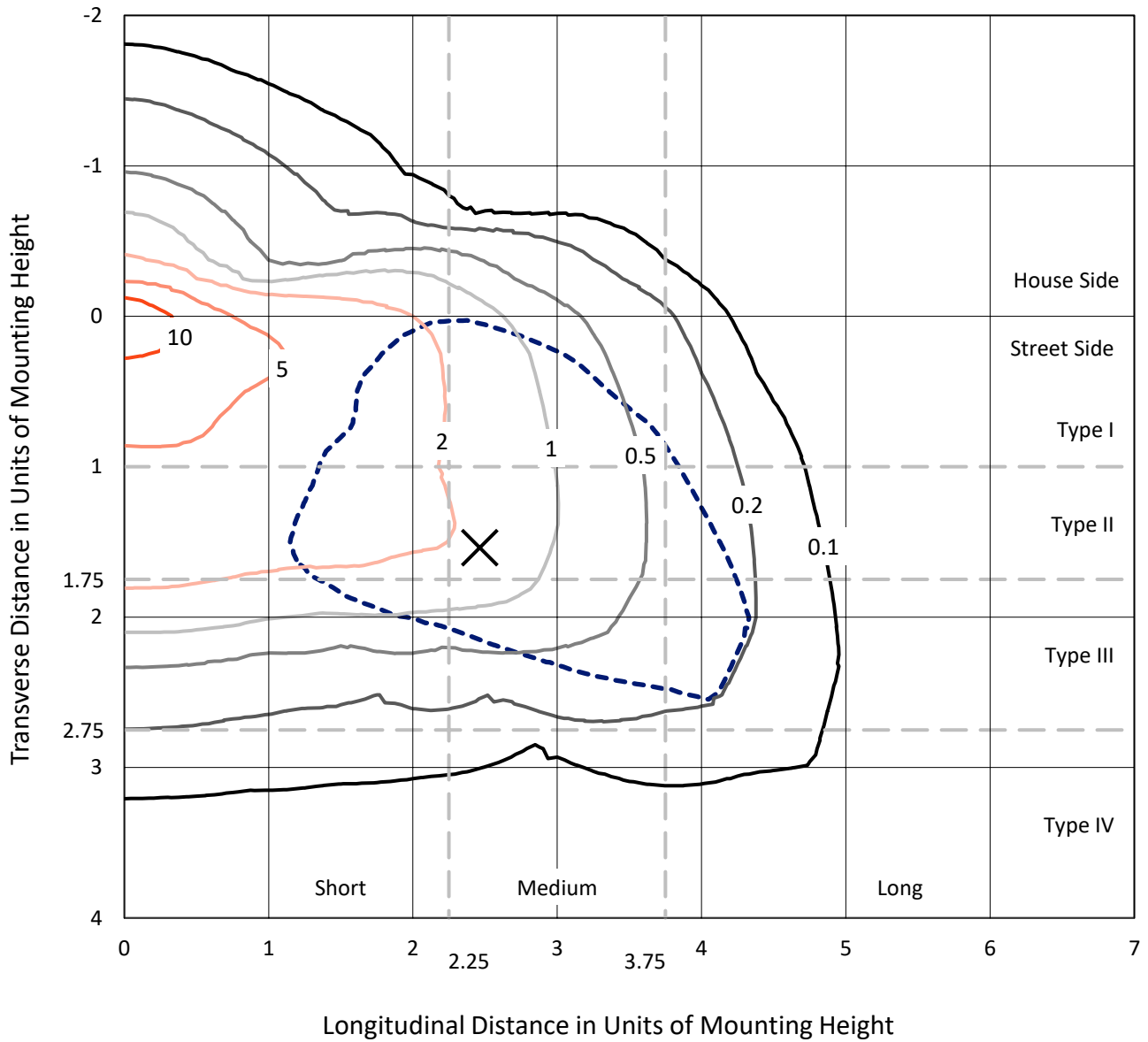
Input Watts (W): 44
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

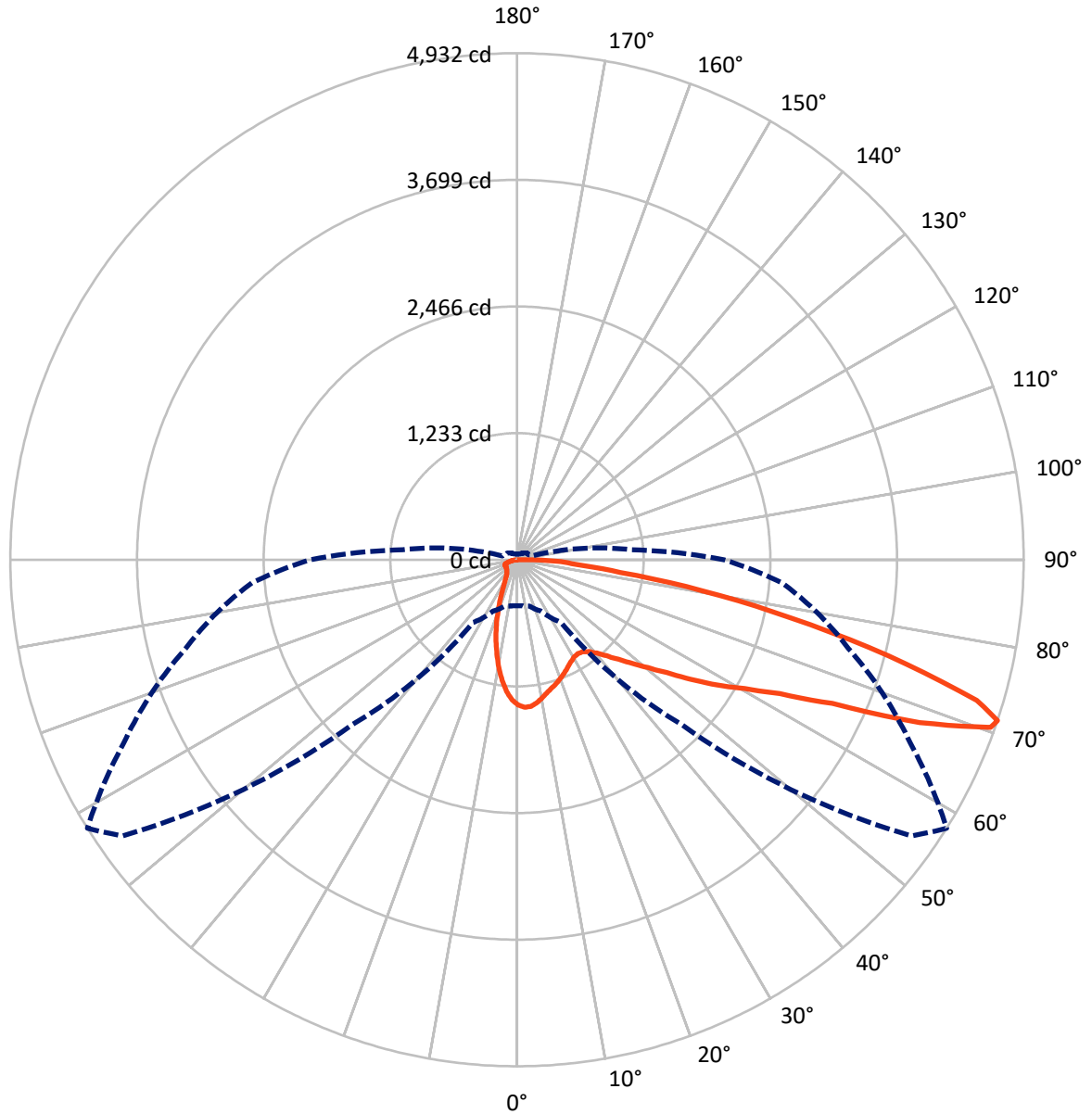
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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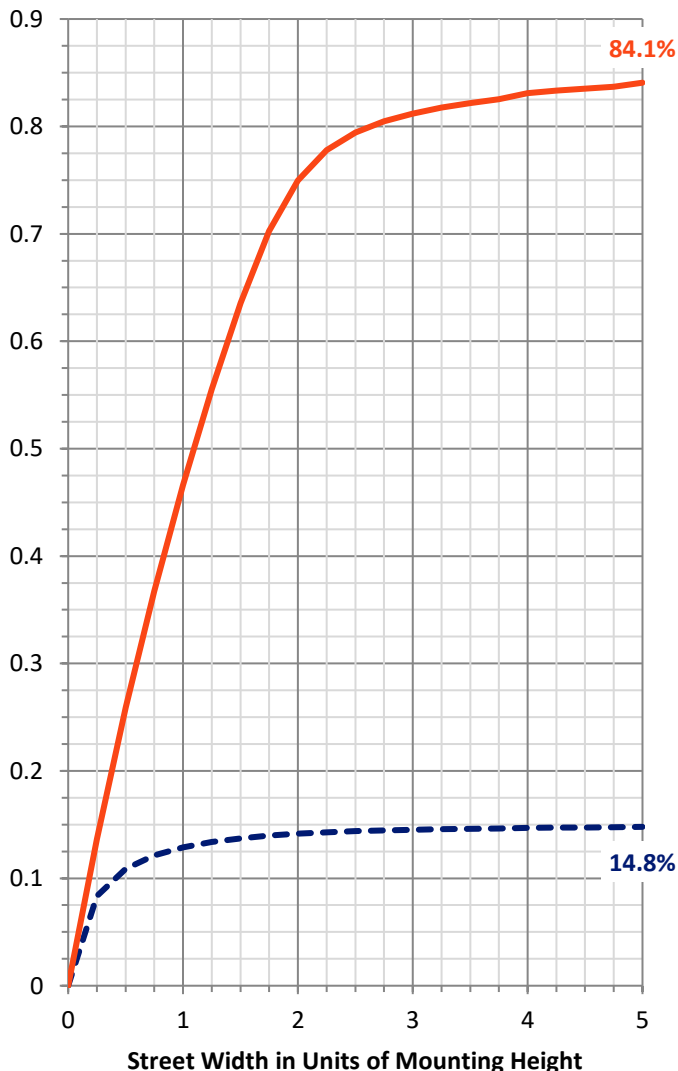
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	763.2	0.0	763.2
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	4341.8	0.0	4341.8
	% Fixture	85.0	0.0	85.0
Total	Lumens	5105.0	0.0	5105.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.0	2.4
10°-20°	271.3	5.3
20°-30°	344.8	6.8
30°-40°	439.3	8.6
40°-50°	622.9	12.2
50°-60°	963.9	18.9
60°-70°	1312.3	25.7
70°-80°	875.4	17.1
80°-90°	153.1	3.0
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°	5105.0	100.0
0°-180°	5105.0	100.0

Coefficient of Utilization



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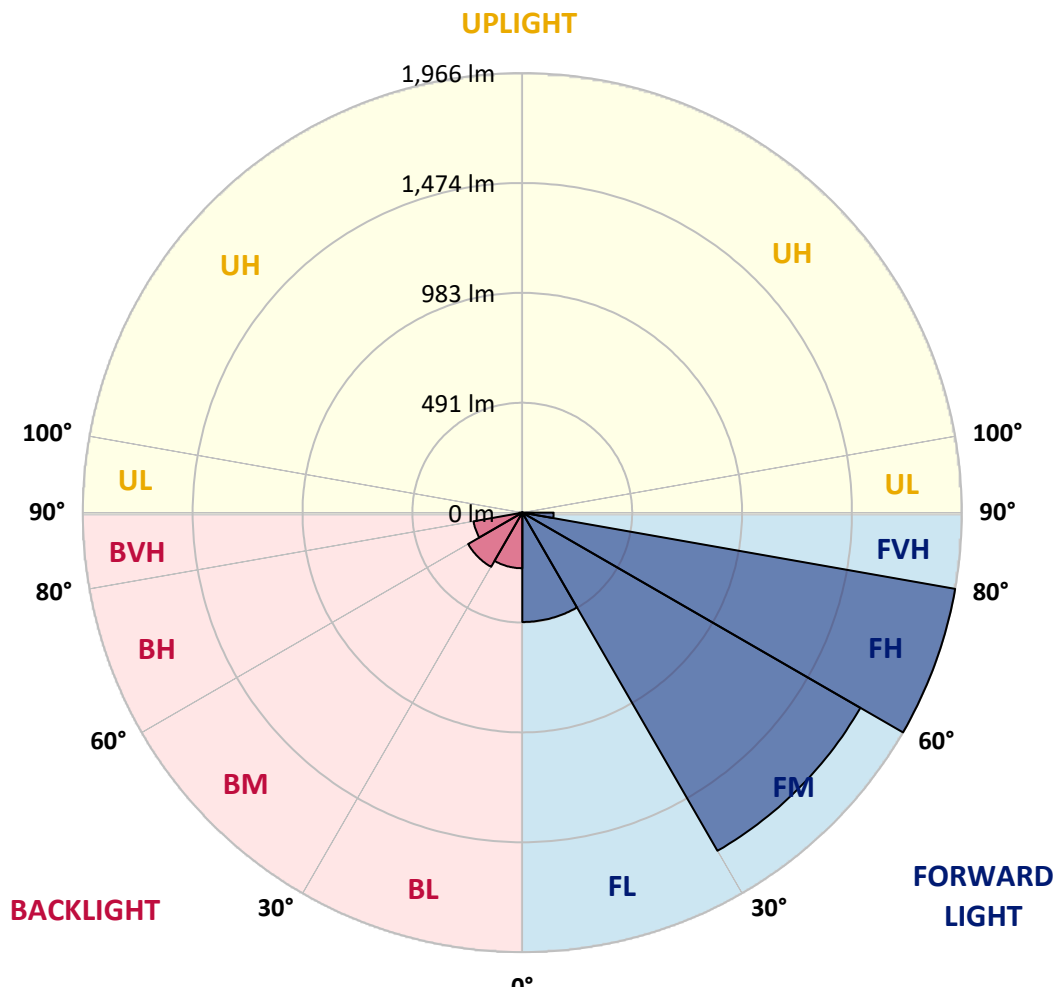
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	489.4	9.6			
FM (30°-60°)	1746.2	34.2			
FH (60°-80°)	1965.9	38.5			G2/5000
FVH (80°-90°)	140.3	2.7			G2/225
BL (0°-30°)	248.8	4.9	B1/500		
BM (30°-60°)	279.9	5.5	B1/1000		
BH (60°-80°)	221.8	4.3	B1/500		G1/500
BVH (80°-90°)	12.7	0.2			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°	58°	65°	75°	85°
0°	1414.4	1414.4	1414.4	1414.4	1414.4	1414.4	1414.4	1414.4	1414.4	1414.4	1414.4
2.5°	1451.9	1450.0	1450.7	1449.3	1445.9	1442.5	1437.5	1438.4	1431.5	1421.2	1408.4
5°	1424.6	1423.9	1429.2	1432.2	1434.7	1432.7	1431.3	1433.1	1423.0	1408.7	1386.5
7.5°	1367.1	1359.3	1366.1	1376.2	1385.8	1393.1	1402.7	1403.9	1397.5	1382.6	1353.4
10°	1285.5	1278.0	1288.0	1303.8	1323.0	1340.5	1359.8	1363.4	1364.6	1351.1	1315.7
12.5°	1200.9	1195.2	1205.1	1227.4	1259.2	1286.0	1317.0	1322.3	1333.3	1324.3	1280.9
15°	1125.1	1123.0	1135.1	1156.9	1193.6	1234.6	1279.3	1289.1	1307.7	1304.7	1253.7
17.5°	1059.7	1059.1	1068.4	1091.3	1131.9	1183.8	1241.8	1258.3	1286.0	1289.6	1231.3
20°	1010.9	1009.9	1016.3	1033.2	1075.0	1133.8	1201.2	1224.0	1264.0	1276.4	1208.1
22.5°	984.8	984.6	984.8	992.8	1026.9	1081.7	1161.7	1189.5	1242.5	1265.9	1182.5
25°	980.4	979.8	975.9	975.0	994.4	1038.1	1122.6	1153.2	1222.0	1258.7	1158.2
27.5°	991.9	992.6	987.5	979.1	983.0	1009.5	1088.6	1121.4	1205.7	1257.2	1141.3
30°	1015.9	1015.6	1011.1	1002.4	994.8	998.8	1064.5	1097.2	1194.6	1263.5	1129.7
32.5°	1042.4	1044.4	1043.5	1038.7	1027.3	1010.9	1057.2	1089.2	1191.4	1278.4	1124.7
35°	1074.2	1076.4	1082.8	1086.5	1073.2	1046.9	1072.8	1100.6	1200.7	1306.5	1132.8
37.5°	1104.5	1110.0	1127.9	1143.8	1132.4	1103.1	1114.4	1134.2	1229.3	1350.8	1154.3
40°	1139.3	1144.1	1173.5	1207.1	1205.3	1174.9	1181.5	1194.6	1279.8	1414.2	1193.2
42.5°	1173.7	1183.3	1225.8	1273.4	1287.1	1260.3	1270.7	1277.7	1350.9	1498.4	1261.1
45°	1219.4	1229.7	1288.7	1346.1	1378.1	1363.0	1379.8	1382.4	1440.4	1612.9	1359.8
47.5°	1288.5	1300.3	1369.1	1429.4	1478.3	1479.9	1507.4	1506.4	1552.1	1743.9	1484.1
50°	1396.3	1413.2	1469.6	1525.9	1585.3	1618.4	1655.2	1650.0	1686.0	1883.5	1627.3
52.5°	1537.5	1545.3	1587.1	1628.7	1702.5	1776.7	1829.5	1824.8	1837.8	2027.0	1789.8
55°	1683.8	1689.7	1706.9	1729.7	1828.9	1949.9	2061.5	2054.2	2021.3	2176.1	1950.4
57.5°	1815.4	1827.3	1839.3	1848.7	1956.3	2130.9	2298.9	2299.5	2220.5	2336.8	2116.3
60°	1835.9	1846.4	1925.1	1999.5	2174.1	2372.4	2553.0	2547.7	2426.6	2511.3	2301.2
62.5°	1622.8	1646.5	1778.1	1975.8	2383.9	2814.1	2877.2	2870.6	2673.1	2726.2	2516.6
65°	1163.0	1189.8	1348.6	1645.8	2282.2	3300.8	3462.3	3373.7	3009.2	2990.7	2768.7
67.5°	670.9	677.3	746.2	984.8	1737.7	3326.2	4354.8	4230.8	3531.1	3290.7	2892.2
70°	496.1	496.0	512.3	606.0	940.3	2714.7	4779.2	4890.4	4080.6	3389.4	2717.7
71°	448.7	449.2	467.5	551.6	744.7	2272.3	4689.1	4932.4	4225.3	3340.6	2591.5
72.5°	383.7	385.5	411.0	494.7	626.5	1567.0	4300.7	4680.6	4294.0	3220.4	2393.9
75°	291.1	295.2	330.4	417.0	572.6	794.7	3156.4	3737.5	3814.5	2841.7	1778.8
77.5°	207.7	212.3	252.2	350.7	544.3	598.9	2113.8	2726.2	2807.2	1821.1	802.3
80°	131.2	136.7	166.8	279.0	511.4	568.7	1328.4	1832.5	1530.7	582.7	204.1
82.5°	77.0	81.3	103.5	182.3	417.7	547.7	781.5	1015.7	595.7	176.0	92.8
85°	44.6	46.6	64.6	116.1	303.4	516.9	574.2	567.8	258.6	86.1	43.9
87.5°	20.8	23.1	38.2	60.6	168.4	374.7	453.8	392.1	160.8	40.4	20.6
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°	1414.4	1414.4	1414.4	1414.4	1414.4	1414.4	1414.4	1414.4	1414.4	1414.4	1414.4
2.5°	1402.2	1399.1	1386.5	1375.3	1363.6	1348.3	1331.4	1329.2	1318.9	1320.9	1317.3
5°	1374.4	1366.8	1336.4	1308.8	1276.3	1247.1	1215.4	1200.9	1179.9	1178.5	1173.1
7.5°	1334.8	1320.5	1273.4	1221.1	1168.8	1119.1	1069.8	1037.4	1004.4	990.3	989.1
10°	1290.1	1265.9	1196.6	1119.2	1043.8	971.1	900.7	848.6	801.6	779.4	778.5
12.5°	1247.8	1212.1	1116.9	1011.7	908.5	814.3	717.7	649.2	590.4	570.6	562.3
15°	1211.9	1161.6	1039.4	904.8	779.6	648.7	538.8	466.8	412.4	393.5	390.0
17.5°	1177.0	1112.3	959.9	796.8	645.5	501.6	391.6	338.0	309.1	301.4	301.2
20°	1142.4	1061.6	876.9	686.4	515.9	375.2	301.1	277.1	267.3	266.4	265.0
22.5°	1103.1	1007.9	789.5	575.6	402.6	295.0	255.9	246.3	245.0	248.2	248.2
25°	1066.2	954.6	701.0	467.1	313.2	246.1	228.5	226.6	229.9	235.6	236.2
27.5°	1031.9	903.2	614.6	370.8	250.9	216.8	209.5	211.8	217.8	224.4	224.6
30°	1003.6	854.6	530.6	292.2	212.0	194.9	193.7	198.3	204.9	210.0	211.3
32.5°	981.8	813.2	449.5	234.9	186.5	178.5	179.6	183.5	187.6	190.5	192.4
35°	971.6	777.6	374.7	198.1	170.4	165.9	167.3	169.5	171.2	173.4	175.0
37.5°	973.4	750.1	307.8	175.2	159.5	157.2	157.2	157.2	157.2	158.3	158.4
40°	990.0	734.2	253.4	160.6	152.2	149.7	147.8	146.0	144.6	145.3	144.9
42.5°	1032.3	732.8	213.6	151.3	146.4	142.3	138.3	135.9	134.1	134.8	135.1
45°	1104.1	750.6	186.7	144.8	140.8	134.6	129.6	127.0	125.7	128.0	128.4
47.5°	1197.1	789.4	170.4	139.9	135.7	127.5	122.2	119.7	120.0	123.4	124.3
50°	1317.0	852.3	162.5	136.9	132.1	121.5	115.9	113.8	114.9	119.7	120.7
52.5°	1448.6	943.0	163.4	136.0	129.8	117.0	111.1	108.7	110.4	114.9	115.8
55°	1600.4	1052.0	178.2	137.3	126.4	114.2	107.2	103.0	104.4	108.5	109.2
57.5°	1769.2	1176.9	207.9	136.9	122.2	111.5	103.1	96.7	97.8	100.3	101.0
60°	1944.9	1327.6	253.9	138.0	120.2	108.3	97.6	89.6	89.3	91.4	91.8
62.5°	2155.8	1502.1	306.6	138.7	121.5	104.2	90.3	82.5	81.4	82.0	82.3
65°	2373.1	1628.4	286.8	135.9	125.4	100.8	83.9	75.6	73.6	73.3	73.4
67.5°	2379.8	1493.0	201.1	130.2	127.0	99.0	79.1	69.7	66.5	65.3	65.1
70°	2134.3	1212.9	156.7	124.1	120.6	96.2	74.7	64.9	60.1	58.1	58.0
71°	2014.4	1116.6	148.5	121.1	115.8	93.4	72.7	62.8	57.8	55.7	55.3
72.5°	1826.4	1001.0	138.5	116.3	106.5	86.1	69.0	59.7	54.6	52.1	51.6
75°	1310.8	654.6	119.0	103.7	88.2	68.6	60.5	53.7	49.3	46.2	45.9
77.5°	505.0	260.5	90.0	86.2	67.6	53.7	49.8	46.4	43.2	40.2	40.0
80°	156.1	116.5	65.6	64.9	48.9	40.0	38.8	37.9	36.6	33.4	32.7
82.5°	83.4	66.9	45.2	42.0	32.0	26.7	28.1	28.5	28.6	25.3	24.9
85°	39.8	35.4	25.4	23.8	18.7	14.9	17.2	18.7	18.8	15.5	14.4
87.5°	19.0	18.5	11.9	9.1	6.9	5.0	6.0	7.5	8.2	5.9	5.2
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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