

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: P385913

Luminaire Tested: **GWC-SA1C-730-U-SL4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385913  
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-SA1C-730-U-SL4  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 3000K, 1050mA 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: 6537 lumens  
Efficiency: N/A  
Efficacy: 110.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3

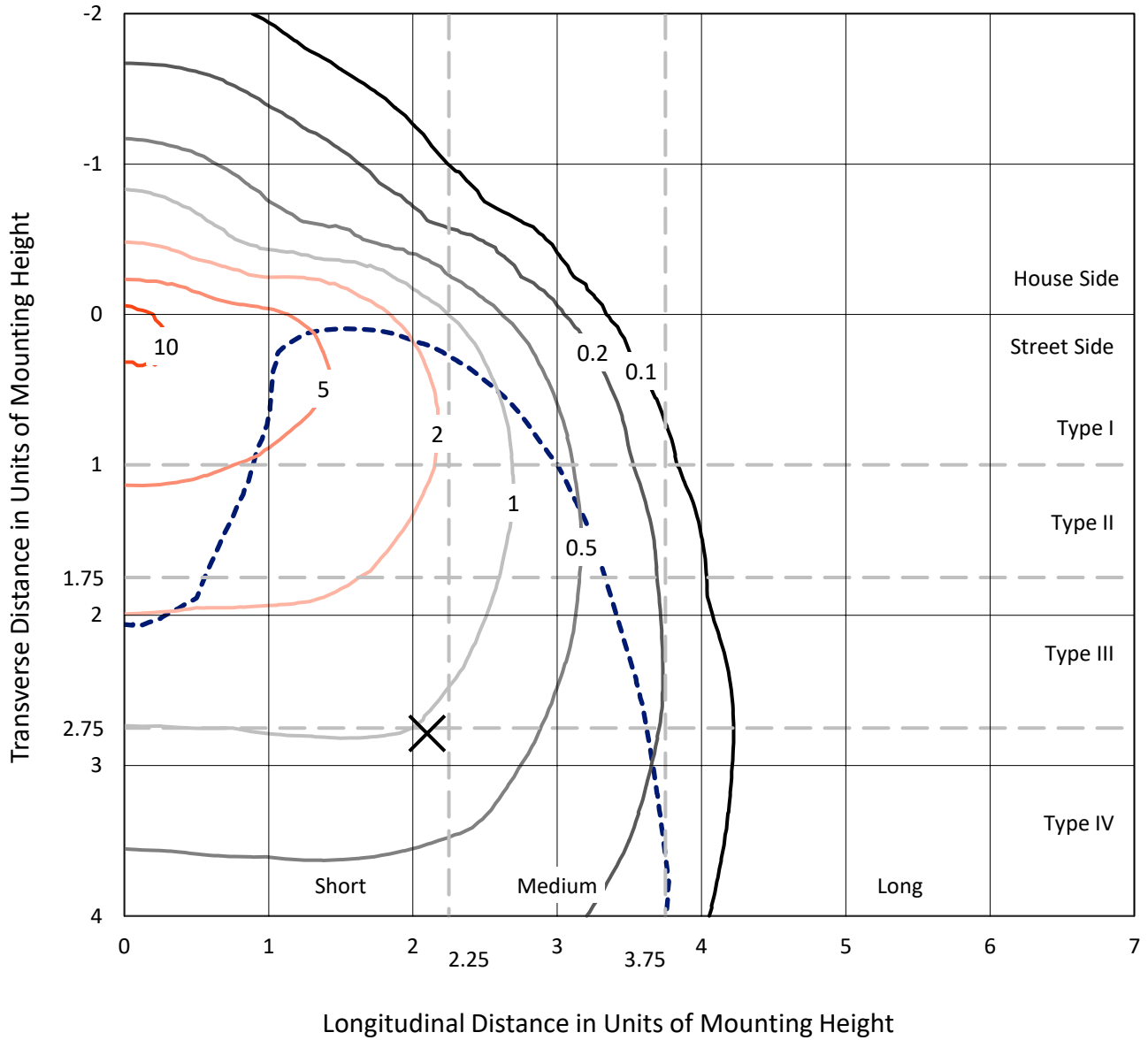
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

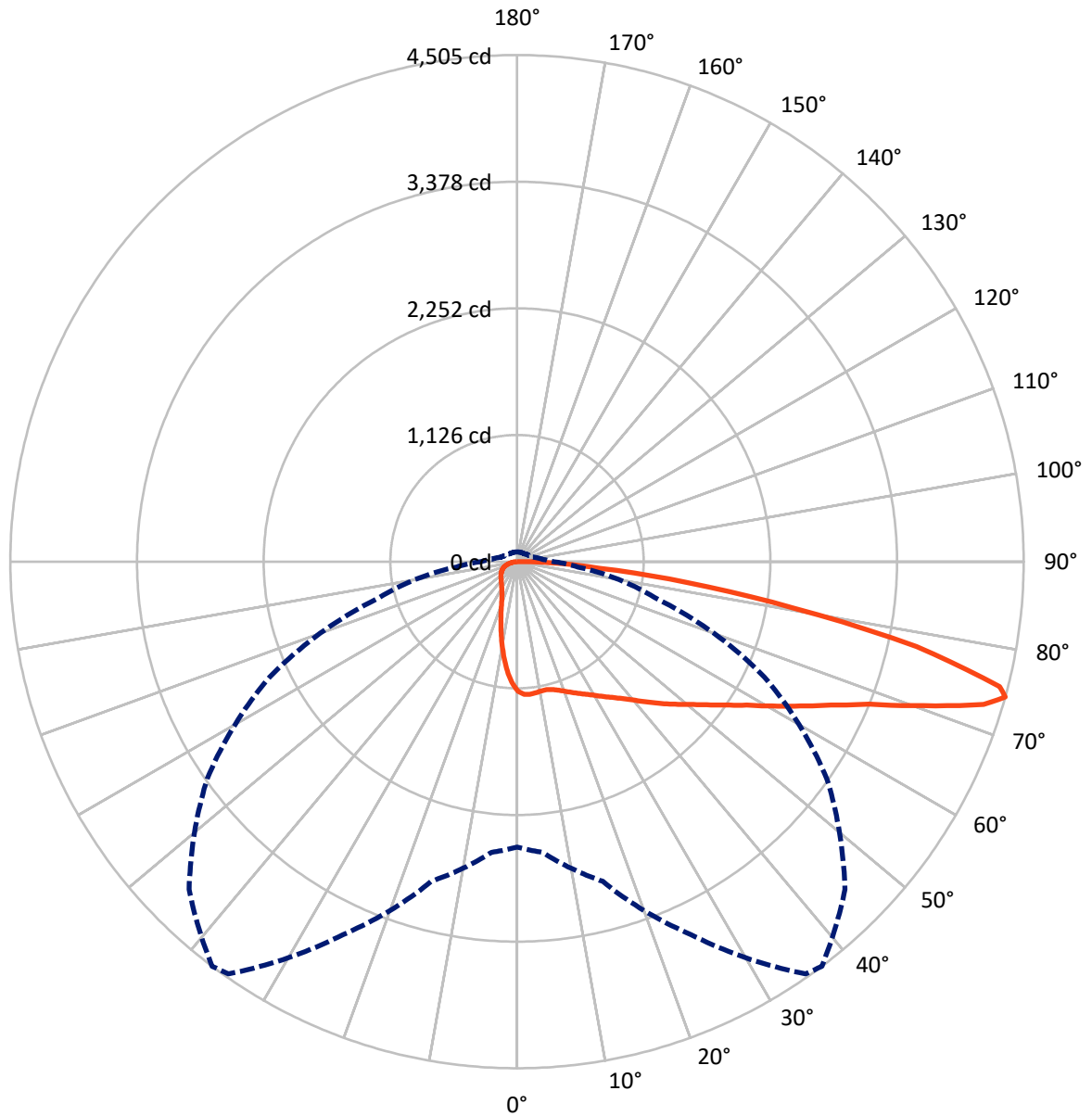
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.7 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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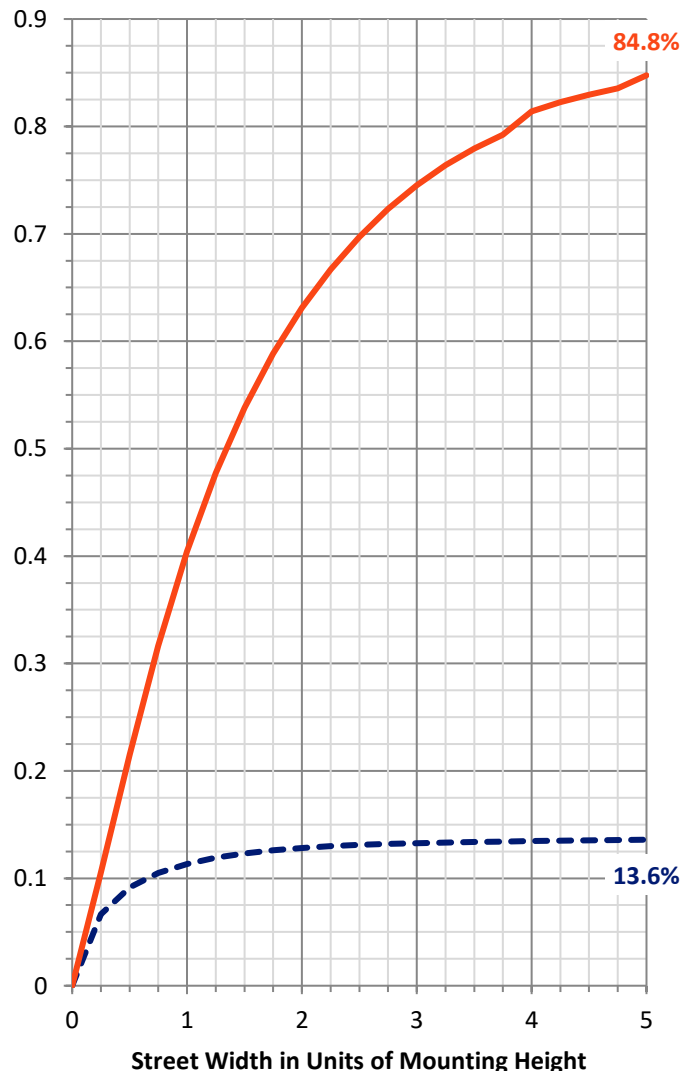
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	899.4	0.0	899.4
	% Fixture	13.8	0.0	13.8
<b>Street Side</b>	Lumens	5637.6	0.0	5637.6
	% Fixture	86.2	0.0	86.2
<b>Total</b>	Lumens	6537.0	0.0	6537.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.4	1.6
10°-20°	260.0	4.0
20°-30°	400.6	6.1
30°-40°	582.5	8.9
40°-50°	857.4	13.1
50°-60°	1204.0	18.4
60°-70°	1523.9	23.3
70°-80°	1341.9	20.5
80°-90°	265.3	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°	6537.0	100.0
0°-180°	6537.0	100.0

**Coefficient of Utilization**



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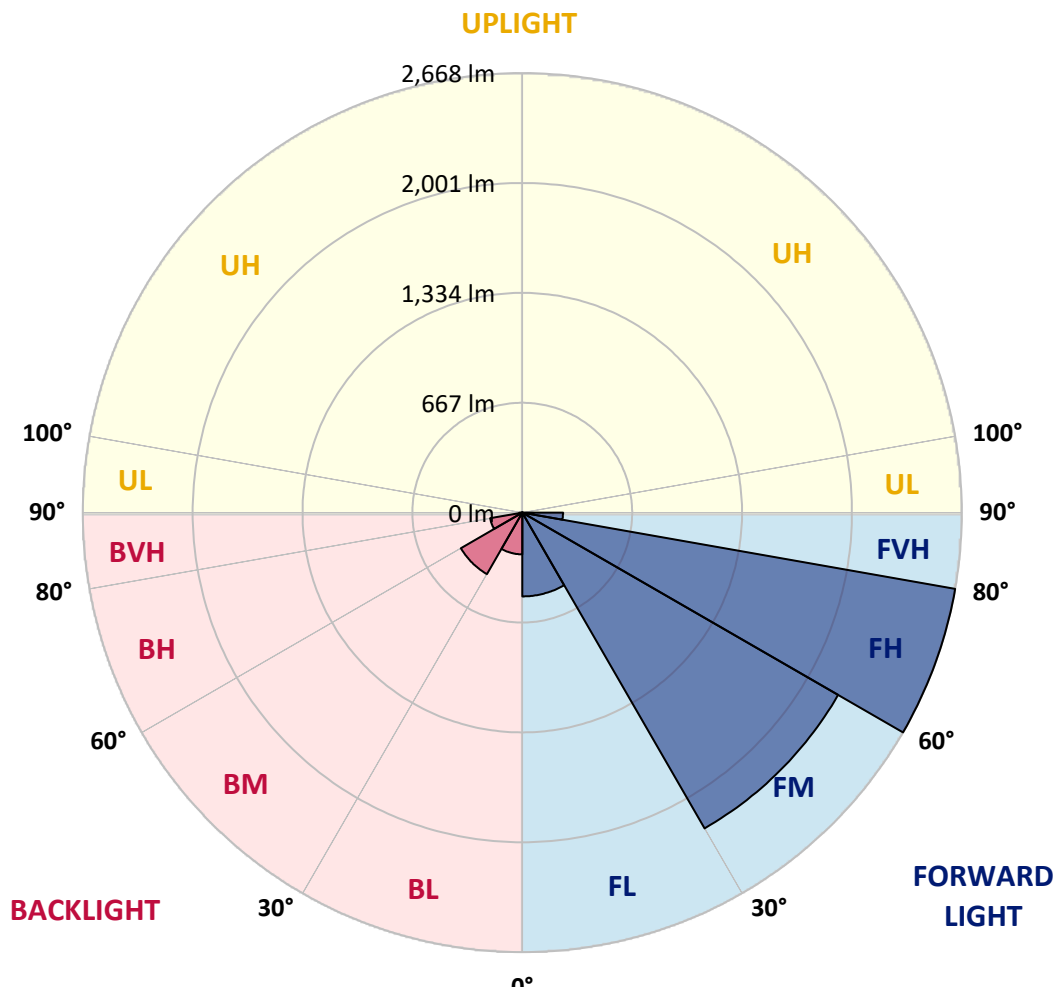
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	508.7	7.8			
FM (30°-60°)	2213.5	33.9			
FH (60°-80°)	2668.1	40.8			G2/5000
FVH (80°-90°)	247.3	3.8			G3/500
BL (0°-30°)	253.4	3.9	B1/500		
BM (30°-60°)	430.4	6.6	B1/1000		
BH (60°-80°)	197.7	3.0	B1/500		G1/500
BVH (80°-90°)	18.0	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-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	1151.8	1151.8	1151.8	1151.8	1151.8	1151.8	1151.8	1151.8	1151.8	1151.8	1151.8
2.5°	1191.2	1191.4	1191.2	1189.3	1185.0	1181.3	1178.3	1173.9	1164.2	1156.9	1145.8
5°	1202.5	1201.1	1200.2	1196.7	1189.8	1185.6	1179.9	1171.6	1155.7	1141.0	1123.0
7.5°	1197.2	1195.5	1193.5	1189.3	1181.5	1178.0	1170.0	1159.2	1140.1	1120.7	1094.9
10°	1180.8	1180.3	1179.4	1178.5	1171.8	1169.1	1161.7	1150.2	1131.3	1107.8	1077.6
12.5°	1162.6	1163.8	1167.5	1172.3	1169.3	1167.9	1163.3	1155.5	1136.1	1110.8	1074.4
15°	1151.1	1154.3	1164.2	1176.9	1179.4	1179.0	1177.8	1172.7	1152.3	1124.2	1081.8
17.5°	1147.2	1152.5	1171.4	1192.3	1199.7	1201.3	1201.8	1193.0	1170.2	1140.5	1089.4
20°	1154.3	1161.0	1188.6	1217.4	1229.2	1230.1	1228.0	1212.8	1187.3	1154.6	1093.5
22.5°	1176.0	1182.0	1216.5	1249.0	1262.3	1263.7	1257.5	1234.5	1205.2	1171.1	1099.3
25°	1217.7	1225.0	1259.6	1292.0	1298.9	1299.2	1290.2	1261.6	1228.7	1194.4	1111.7
27.5°	1272.0	1279.4	1310.4	1342.2	1338.5	1336.5	1324.3	1295.7	1259.3	1226.4	1133.8
30°	1332.6	1340.6	1370.1	1392.7	1383.9	1379.8	1369.9	1333.0	1301.9	1270.2	1167.7
32.5°	1395.2	1402.6	1428.3	1443.8	1432.7	1430.9	1415.9	1382.3	1357.4	1336.9	1222.5
35°	1459.4	1464.7	1490.1	1498.8	1484.1	1483.6	1479.5	1448.6	1432.9	1442.6	1302.2
37.5°	1525.1	1526.4	1548.1	1548.5	1544.2	1546.0	1550.4	1531.0	1535.4	1565.6	1405.8
40°	1583.5	1587.2	1602.9	1607.7	1615.3	1621.8	1643.6	1631.0	1664.8	1718.3	1534.7
42.5°	1626.8	1634.0	1659.1	1671.5	1696.1	1706.3	1737.1	1748.9	1817.0	1897.2	1688.1
45°	1663.4	1674.5	1714.8	1740.4	1782.0	1799.8	1844.0	1883.4	1989.0	2091.3	1849.5
47.5°	1703.1	1717.1	1767.5	1816.3	1873.0	1893.0	1973.4	2032.3	2172.6	2286.5	2001.7
50°	1761.3	1772.1	1821.4	1898.1	1968.8	1994.6	2105.8	2190.3	2359.1	2472.6	2133.7
52.5°	1842.6	1838.4	1880.1	1987.7	2082.5	2114.3	2247.2	2358.4	2548.1	2640.9	2245.1
55°	1924.3	1917.4	1946.7	2081.4	2215.2	2248.6	2402.8	2527.2	2728.0	2792.4	2330.5
57.5°	2015.3	2002.2	2026.8	2187.1	2366.2	2406.1	2577.1	2706.6	2904.8	2914.9	2384.9
60°	2109.0	2091.3	2118.9	2318.1	2558.0	2605.0	2781.2	2881.6	3071.5	3013.0	2402.4
62.5°	2191.0	2178.6	2221.2	2464.3	2774.3	2825.8	2981.5	3067.6	3235.9	3053.8	2339.3
65°	2262.6	2264.7	2338.4	2628.7	3015.3	3070.4	3211.3	3297.0	3365.3	3029.6	2191.7
67.5°	2348.0	2359.8	2485.5	2845.2	3318.8	3379.2	3545.6	3547.0	3437.7	2887.8	1901.1
70°	2472.6	2496.8	2687.9	3145.4	3750.4	3833.2	3961.7	3693.9	3336.1	2503.2	1495.8
72.5°	2583.1	2628.3	2903.2	3489.0	4276.3	4339.1	4205.1	3609.2	2911.7	1876.0	931.9
74°	2538.2	2594.2	2942.3	3658.2	4474.3	4504.5	4122.9	3361.9	2427.7	1299.2	541.6
75°	2441.5	2502.3	2885.2	3656.6	4449.2	4432.4	3924.4	3079.4	1999.4	886.1	360.4
77.5°	1970.4	2034.6	2431.2	3133.9	3648.1	3632.2	3014.7	2065.7	875.7	290.6	183.1
80°	1145.6	1194.6	1509.2	1990.2	2459.9	2488.7	1982.6	1022.2	344.5	163.3	124.1
82.5°	508.9	542.7	729.0	1015.9	1484.5	1521.6	1038.3	535.6	212.8	99.2	74.6
85°	333.9	359.0	442.6	483.8	706.9	732.2	508.2	417.0	140.5	54.6	54.8
87.5°	240.2	264.3	328.8	287.1	324.4	307.2	276.6	385.9	56.4	31.1	18.4
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°	1151.8	1151.8	1151.8	1151.8	1151.8	1151.8	1151.8	1151.8	1151.8	1151.8	1151.8
2.5°	1141.0	1137.3	1129.0	1113.3	1104.6	1097.2	1085.0	1077.9	1074.7	1074.4	1075.8
5°	1112.6	1104.1	1082.7	1056.5	1035.5	1016.4	992.7	978.4	968.3	962.3	963.9
7.5°	1079.7	1066.4	1032.7	990.8	957.2	920.1	883.5	861.7	844.6	832.0	834.3
10°	1057.2	1038.7	989.7	929.4	873.4	819.5	769.1	738.9	715.0	696.6	697.9
12.5°	1049.6	1024.7	956.8	876.2	797.6	724.0	658.1	611.8	587.2	566.2	567.8
15°	1050.7	1017.3	929.1	828.3	729.5	636.7	556.8	502.7	469.3	454.8	455.0
17.5°	1051.6	1008.8	900.1	776.9	662.0	555.2	468.4	413.6	382.0	368.7	368.9
20°	1048.6	995.0	864.2	718.0	591.6	480.3	396.3	349.8	325.8	315.5	315.5
22.5°	1044.7	978.6	823.7	658.8	522.0	415.4	344.7	309.2	295.4	288.5	288.3
25°	1046.6	966.4	782.2	598.0	458.0	363.6	310.4	286.9	277.7	273.3	273.1
27.5°	1056.5	960.7	744.0	537.4	402.0	324.7	287.4	270.8	264.8	262.0	262.0
30°	1074.4	960.7	704.2	485.9	355.5	295.9	269.6	258.4	254.2	252.4	252.4
32.5°	1105.7	966.0	665.7	434.7	318.5	273.3	254.9	247.3	244.1	243.2	243.2
35°	1159.6	983.9	628.2	386.4	288.5	254.9	240.9	236.5	234.2	234.0	234.6
37.5°	1235.4	1020.5	592.9	350.7	267.3	239.9	229.1	225.7	224.3	225.4	226.4
40°	1330.7	1070.3	560.9	318.5	251.2	228.0	218.3	216.0	215.3	216.9	218.3
42.5°	1445.8	1137.5	534.7	295.2	238.8	217.8	209.1	206.3	205.6	207.5	209.3
45°	1570.4	1209.8	516.3	277.9	229.1	210.2	201.0	198.0	196.6	197.6	199.6
47.5°	1683.7	1278.2	508.9	265.7	219.9	203.8	193.9	190.2	187.9	187.4	189.0
50°	1779.3	1329.1	512.3	258.4	212.5	196.6	187.0	182.8	179.4	177.3	178.5
52.5°	1848.8	1361.1	515.6	255.1	206.8	188.8	179.4	175.5	170.9	167.4	167.4
55°	1899.2	1368.5	508.4	252.6	202.4	180.3	170.9	167.2	162.6	158.7	158.2
57.5°	1919.0	1347.8	481.9	248.9	199.4	172.2	161.9	159.1	155.2	150.6	150.4
60°	1892.3	1283.7	430.8	241.1	195.5	165.6	152.9	151.1	149.2	144.8	144.6
62.5°	1785.0	1143.3	364.7	225.2	187.7	158.4	144.6	145.5	145.8	142.8	142.3
65°	1590.5	950.3	300.3	204.5	175.9	149.9	136.1	140.5	143.0	142.5	141.8
67.5°	1307.7	739.6	254.4	182.6	160.5	138.2	126.9	131.9	134.0	135.6	135.2
70°	970.6	521.6	210.5	159.6	141.8	124.3	114.9	117.4	116.1	117.9	118.6
72.5°	541.1	312.9	171.5	136.5	122.5	108.2	101.5	101.1	98.1	98.1	98.1
74°	324.7	229.6	150.8	122.3	110.8	97.6	91.9	89.8	87.0	87.3	87.0
75°	261.1	197.3	138.4	112.8	102.5	91.4	85.7	82.9	80.8	80.8	80.6
77.5°	164.9	149.9	111.4	89.8	82.0	75.3	71.4	67.7	67.7	67.5	67.2
80°	124.6	119.3	86.8	67.9	62.9	57.8	55.3	53.7	53.7	54.3	54.1
82.5°	85.4	89.8	61.0	47.4	44.9	41.2	40.8	41.0	40.3	39.4	39.1
85°	62.4	67.5	41.2	29.9	27.4	25.1	26.9	27.9	26.7	24.6	23.7
87.5°	23.9	44.2	22.1	12.4	11.5	9.9	11.5	12.0	12.9	10.1	10.4
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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