

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: P386137

Luminaire Tested: **GWC-SA1D-730-U-SL4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386137
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-SA1D-730-U-SL4
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3000K, 1200mA 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: 7170 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

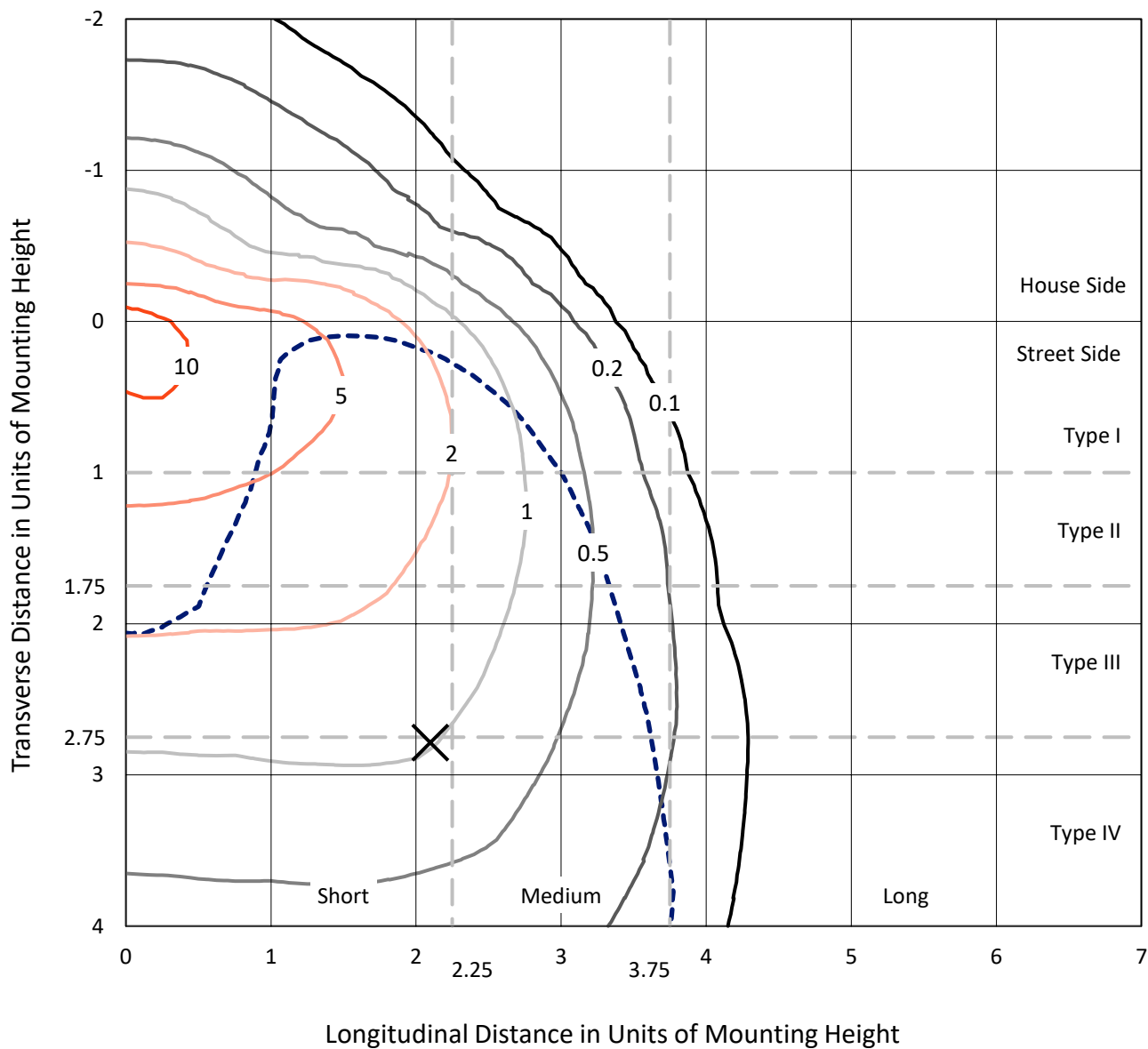
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

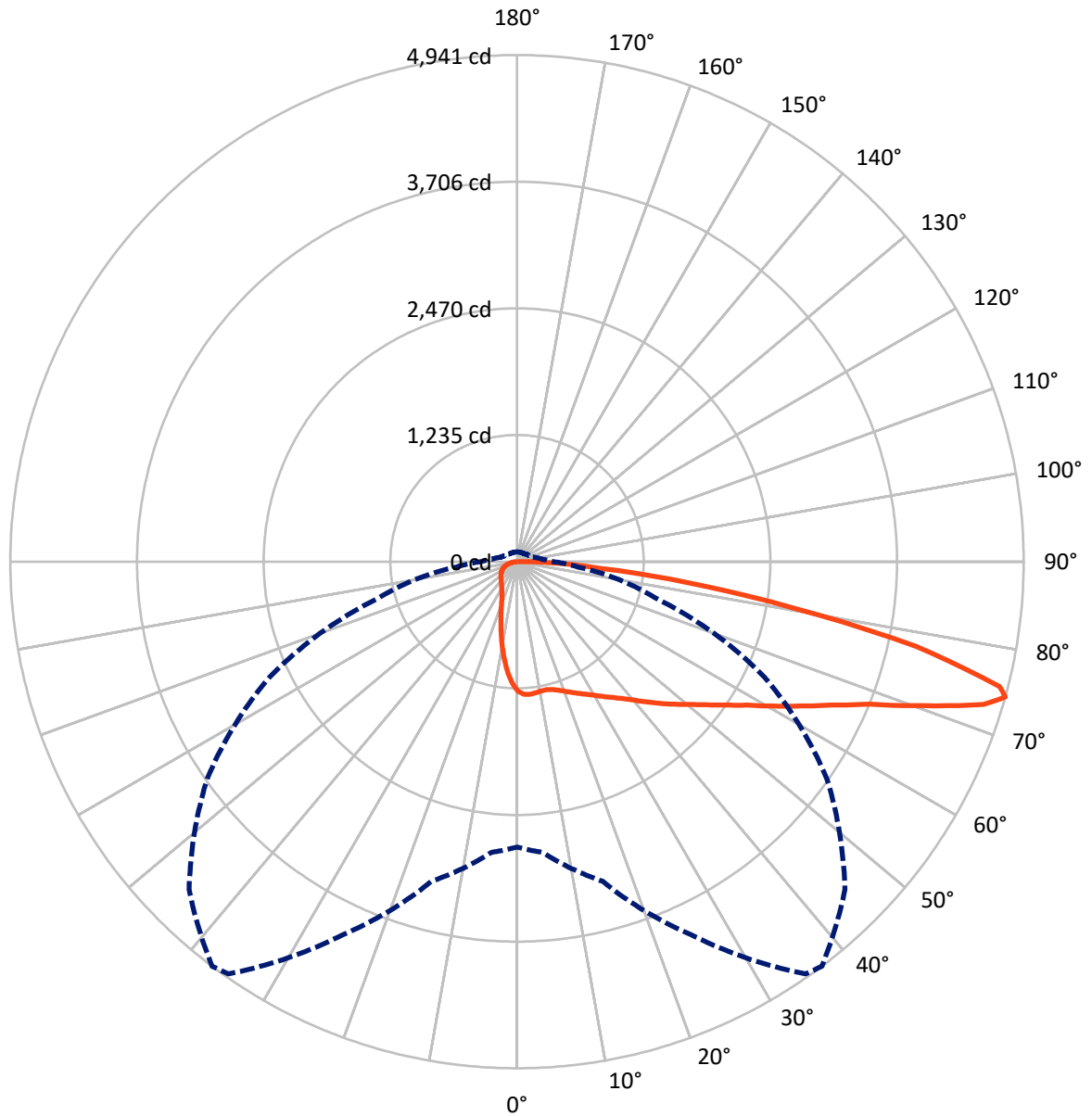
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.8 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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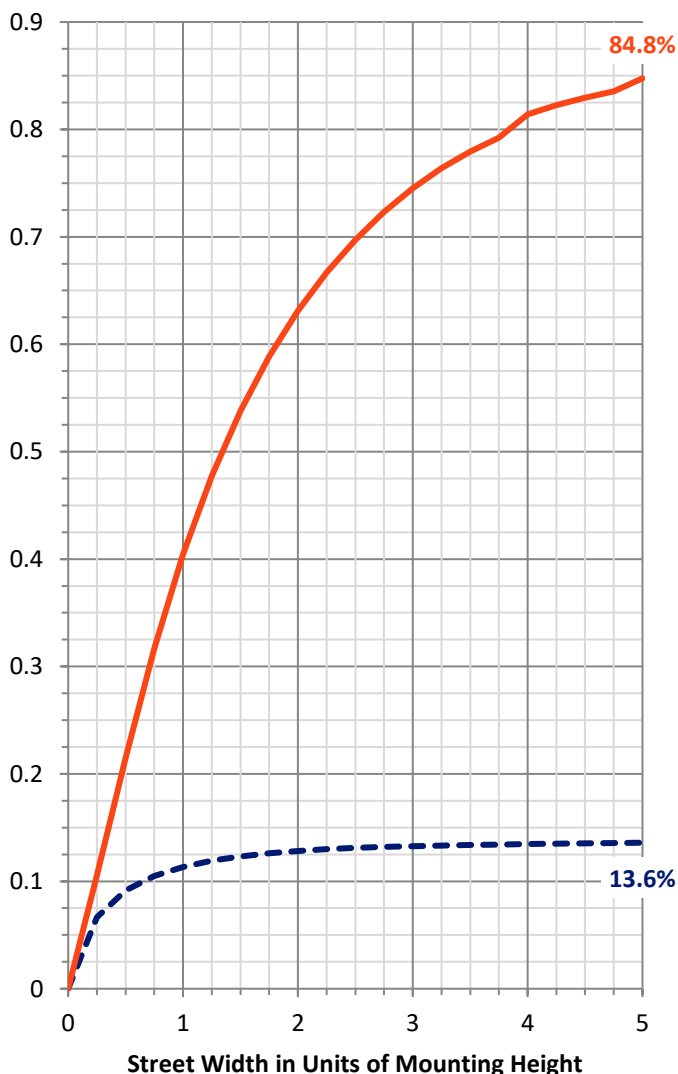
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	986.5	0.0	986.5
	% Fixture	13.8	0.0	13.8
Street Side	Lumens	6183.5	0.0	6183.5
	% Fixture	86.2	0.0	86.2
Total	Lumens	7170.0	0.0	7170.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.3	1.6
10°-20°	285.2	4.0
20°-30°	439.4	6.1
30°-40°	638.9	8.9
40°-50°	940.4	13.1
50°-60°	1320.6	18.4
60°-70°	1671.5	23.3
70°-80°	1471.8	20.5
80°-90°	291.0	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°	7170.0	100.0
0°-180°	7170.0	100.0

Coefficient of Utilization



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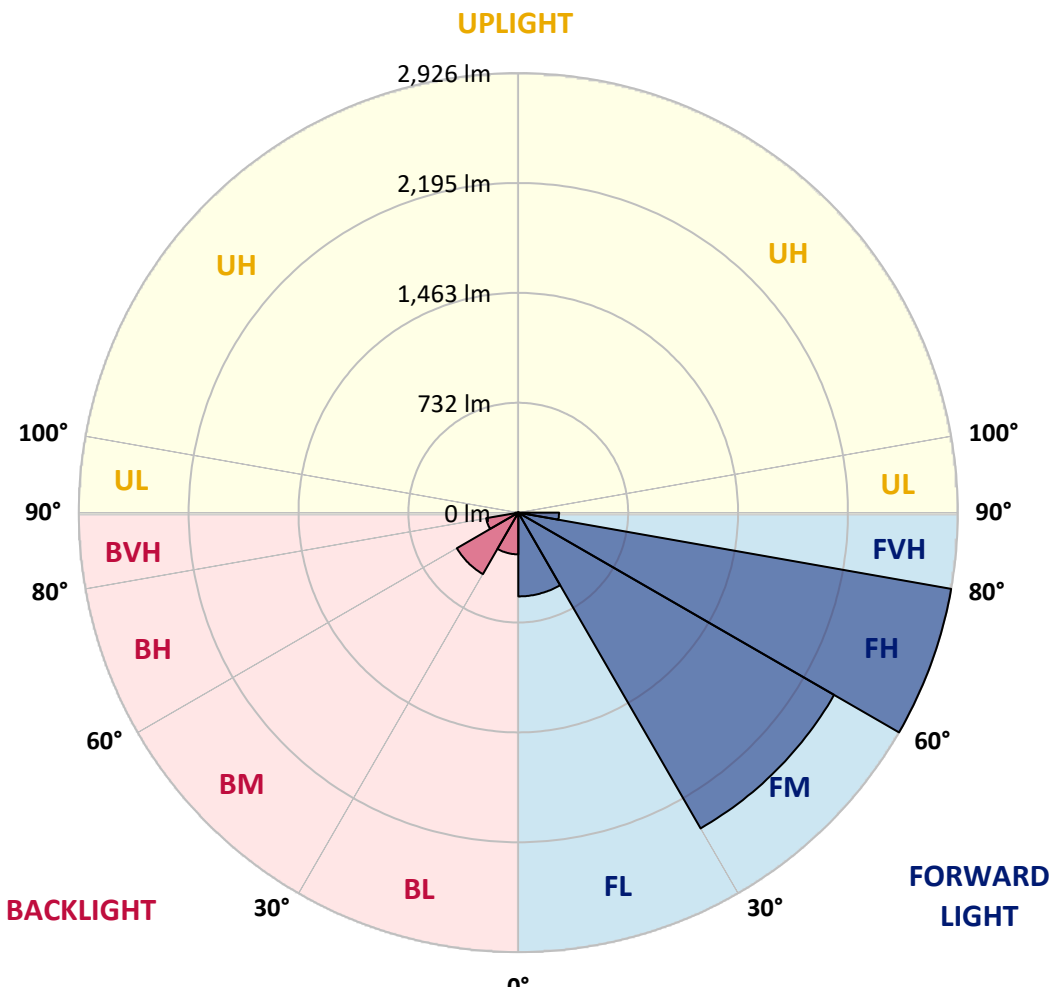
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	557.9	7.8			
FM (30°-60°)	2427.8	33.9			
FH (60°-80°)	2926.4	40.8			G2/5000
FVH (80°-90°)	271.3	3.8			G3/500
BL (0°-30°)	277.9	3.9	B1/500		
BM (30°-60°)	472.1	6.6	B1/1000		
BH (60°-80°)	216.9	3.0	B1/500		G1/500
BVH (80°-90°)	19.7	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°	1263.3	1263.3	1263.3	1263.3	1263.3	1263.3	1263.3	1263.3	1263.3	1263.3	1263.3
2.5°	1306.5	1306.8	1306.5	1304.5	1299.7	1295.7	1292.4	1287.6	1277.0	1268.9	1256.8
5°	1318.9	1317.4	1316.4	1312.6	1305.0	1300.5	1294.1	1285.0	1267.6	1251.5	1231.8
7.5°	1313.1	1311.3	1309.0	1304.5	1295.9	1292.1	1283.3	1271.4	1250.4	1229.2	1200.9
10°	1295.1	1294.6	1293.6	1292.6	1285.3	1282.3	1274.2	1261.6	1240.8	1215.1	1182.0
12.5°	1275.2	1276.5	1280.5	1285.8	1282.5	1281.0	1276.0	1267.4	1246.2	1218.4	1178.5
15°	1262.6	1266.1	1277.0	1290.9	1293.6	1293.1	1291.9	1286.3	1263.8	1233.0	1186.5
17.5°	1258.3	1264.1	1284.8	1307.8	1315.9	1317.6	1318.1	1308.5	1283.5	1251.0	1194.9
20°	1266.1	1273.4	1303.7	1335.3	1348.2	1349.2	1346.9	1330.3	1302.2	1266.4	1199.4
22.5°	1289.8	1296.4	1334.3	1369.9	1384.6	1386.1	1379.3	1354.0	1321.9	1284.5	1205.7
25°	1335.6	1343.6	1381.5	1417.1	1424.7	1425.0	1415.1	1383.8	1347.7	1310.1	1219.4
27.5°	1395.2	1403.2	1437.3	1472.2	1468.2	1465.9	1452.5	1421.2	1381.3	1345.2	1243.6
30°	1461.6	1470.4	1502.8	1527.5	1517.9	1513.4	1502.5	1462.1	1428.0	1393.1	1280.8
32.5°	1530.3	1538.4	1566.7	1583.6	1571.5	1569.4	1553.0	1516.1	1488.9	1466.4	1340.9
35°	1600.8	1606.6	1634.3	1643.9	1627.8	1627.3	1622.7	1588.9	1571.7	1582.3	1428.3
37.5°	1672.7	1674.2	1698.0	1698.5	1693.7	1695.7	1700.5	1679.3	1684.1	1717.2	1541.9
40°	1736.9	1740.9	1758.1	1763.4	1771.7	1778.8	1802.8	1788.9	1826.0	1884.6	1683.3
42.5°	1784.4	1792.2	1819.7	1833.4	1860.4	1871.5	1905.3	1918.2	1993.0	2080.9	1851.5
45°	1824.5	1836.6	1880.8	1908.9	1954.6	1974.0	2022.5	2065.7	2181.6	2293.8	2028.6
47.5°	1868.0	1883.4	1938.7	1992.2	2054.4	2076.3	2164.5	2229.1	2382.9	2508.0	2195.5
50°	1931.9	1943.7	1997.8	2081.9	2159.4	2187.7	2309.7	2402.4	2587.5	2712.0	2340.3
52.5°	2021.0	2016.5	2062.2	2180.1	2284.2	2319.0	2464.8	2586.8	2794.9	2896.7	2462.5
55°	2110.7	2103.1	2135.2	2282.9	2429.7	2466.3	2635.5	2771.9	2992.1	3062.8	2556.2
57.5°	2210.4	2196.0	2223.1	2398.9	2595.3	2639.0	2826.7	2968.6	3186.1	3197.2	2615.8
60°	2313.2	2293.8	2324.1	2542.6	2805.7	2857.3	3050.5	3160.6	3369.0	3304.8	2635.0
62.5°	2403.1	2389.5	2436.2	2702.9	3042.9	3099.5	3270.2	3364.7	3549.3	3349.5	2565.8
65°	2481.7	2484.0	2564.8	2883.3	3307.3	3367.7	3522.3	3616.2	3691.2	3323.0	2403.9
67.5°	2575.4	2588.3	2726.2	3120.7	3640.2	3706.4	3889.0	3890.5	3770.5	3167.4	2085.2
70°	2712.0	2738.6	2948.2	3450.0	4113.5	4204.4	4345.4	4051.6	3659.2	2745.6	1640.7
72.5°	2833.3	2882.8	3184.3	3826.9	4690.4	4759.3	4612.3	3958.7	3193.7	2057.6	1022.1
74°	2784.0	2845.4	3227.3	4012.5	4907.6	4940.7	4522.2	3687.4	2662.8	1425.0	594.0
75°	2677.9	2744.6	3164.6	4010.7	4880.0	4861.6	4304.5	3377.5	2193.0	971.9	395.3
77.5°	2161.2	2231.7	2666.6	3437.4	4001.4	3983.9	3306.6	2265.8	960.5	318.7	200.8
80°	1256.5	1310.3	1655.3	2182.9	2698.1	2729.7	2174.6	1121.1	377.8	179.1	136.1
82.5°	558.2	595.3	799.6	1114.3	1628.3	1668.9	1138.8	587.5	233.4	108.9	81.8
85°	366.2	393.7	485.4	530.6	775.4	803.2	557.4	457.4	154.1	59.9	60.1
87.5°	263.4	289.9	360.7	314.9	355.9	336.9	303.3	423.3	61.9	34.1	20.2
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°	1263.3	1263.3	1263.3	1263.3	1263.3	1263.3	1263.3	1263.3	1263.3	1263.3	1263.3
2.5°	1251.5	1247.4	1238.3	1221.1	1211.6	1203.5	1190.1	1182.3	1178.7	1178.5	1180.0
5°	1220.4	1211.0	1187.6	1158.8	1135.8	1114.8	1088.8	1073.1	1062.0	1055.5	1057.2
7.5°	1184.3	1169.6	1132.8	1086.8	1049.9	1009.2	969.1	945.1	926.4	912.5	915.0
10°	1159.5	1139.3	1085.5	1019.3	958.0	898.9	843.6	810.5	784.2	764.0	765.5
12.5°	1151.2	1123.9	1049.4	961.0	874.9	794.1	721.8	671.1	644.0	621.1	622.8
15°	1152.5	1115.8	1019.1	908.5	800.1	698.3	610.7	551.3	514.7	498.8	499.1
17.5°	1153.5	1106.5	987.3	852.2	726.1	608.9	513.7	453.6	419.0	404.4	404.6
20°	1150.2	1091.3	947.9	787.5	648.8	526.8	434.7	383.6	357.4	346.0	346.0
22.5°	1145.9	1073.4	903.4	722.6	572.6	455.6	378.1	339.2	324.0	316.5	316.2
25°	1147.9	1060.0	858.0	655.9	502.4	398.8	340.5	314.7	304.6	299.8	299.5
27.5°	1158.8	1053.7	816.0	589.5	441.0	356.1	315.2	297.0	290.4	287.4	287.4
30°	1178.5	1053.7	772.3	532.9	390.0	324.5	295.8	283.4	278.8	276.8	276.8
32.5°	1212.8	1059.5	730.2	476.8	349.3	299.8	279.6	271.3	267.7	266.7	266.7
35°	1271.9	1079.2	689.0	423.8	316.5	279.6	264.2	259.4	256.9	256.6	257.4
37.5°	1355.0	1119.4	650.4	384.7	293.2	263.2	251.3	247.5	246.0	247.3	248.3
40°	1459.6	1173.9	615.2	349.3	275.5	250.0	239.4	236.9	236.1	237.9	239.4
42.5°	1585.9	1247.7	586.5	323.8	261.9	238.9	229.3	226.3	225.5	227.6	229.6
45°	1722.5	1327.0	566.2	304.8	251.3	230.6	220.5	217.2	215.7	216.7	219.0
47.5°	1846.7	1402.0	558.2	291.5	241.2	223.5	212.7	208.6	206.1	205.6	207.4
50°	1951.6	1457.8	562.0	283.4	233.1	215.7	205.1	200.5	196.7	194.5	195.7
52.5°	2027.8	1492.9	565.5	279.8	226.8	207.1	196.7	192.5	187.4	183.6	183.6
55°	2083.1	1501.0	557.7	277.1	222.0	197.8	187.4	183.4	178.3	174.0	173.5
57.5°	2104.9	1478.3	528.6	273.0	218.7	188.9	177.6	174.5	170.2	165.2	164.9
60°	2075.6	1408.0	472.5	264.4	214.4	181.6	167.7	165.7	163.7	158.9	158.6
62.5°	1957.9	1254.0	400.1	247.0	205.8	173.8	158.6	159.6	159.9	156.6	156.1
65°	1744.5	1042.3	329.3	224.3	193.0	164.4	149.3	154.1	156.8	156.3	155.6
67.5°	1434.3	811.2	279.1	200.3	176.0	151.5	139.2	144.7	147.0	148.8	148.3
70°	1064.6	572.1	230.8	175.0	155.6	136.4	126.0	128.8	127.3	129.3	130.1
72.5°	593.5	343.2	188.2	149.8	134.4	118.7	111.4	110.9	107.6	107.6	107.6
74°	356.1	251.8	165.4	134.1	121.5	107.1	100.8	98.5	95.5	95.7	95.5
75°	286.4	216.4	151.8	123.8	112.4	100.3	94.0	90.9	88.7	88.7	88.4
77.5°	180.8	164.4	122.2	98.5	89.9	82.6	78.3	74.3	74.3	74.0	73.7
80°	136.6	130.8	95.2	74.5	69.0	63.4	60.6	58.8	58.8	59.6	59.4
82.5°	93.7	98.5	66.9	52.0	49.3	45.2	44.7	45.0	44.2	43.2	42.9
85°	68.4	74.0	45.2	32.8	30.1	27.5	29.6	30.6	29.3	27.0	26.0
87.5°	26.3	48.5	24.2	13.6	12.6	10.9	12.6	13.1	14.1	11.1	11.4
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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