

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: P386626

Luminaire Tested: **GWC-SA2B-735-U-T4FT-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386626
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA2B-735-U-T4FT-HSS
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7956.7 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

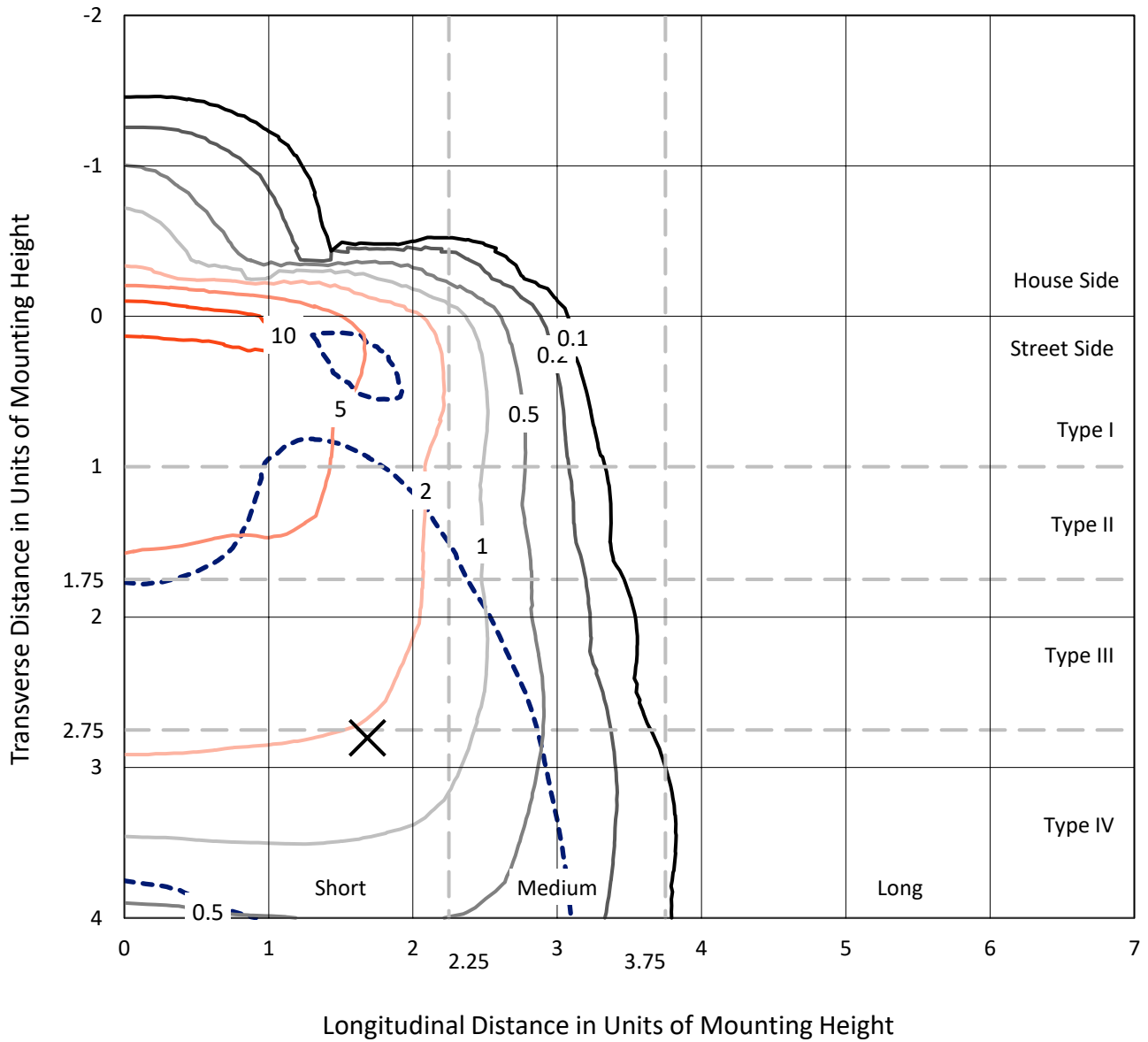
Input Watts (W): 86
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

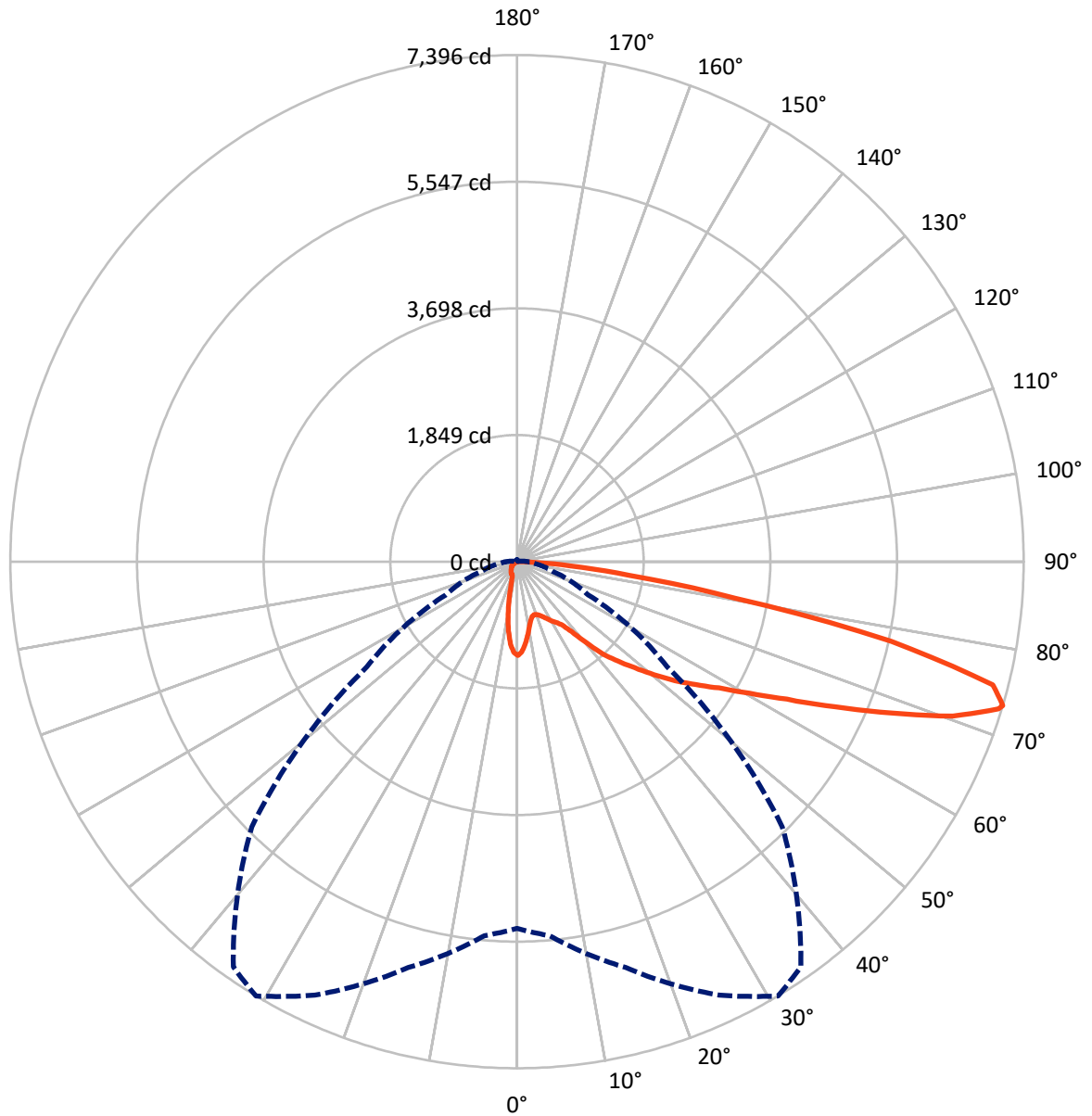
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 31-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

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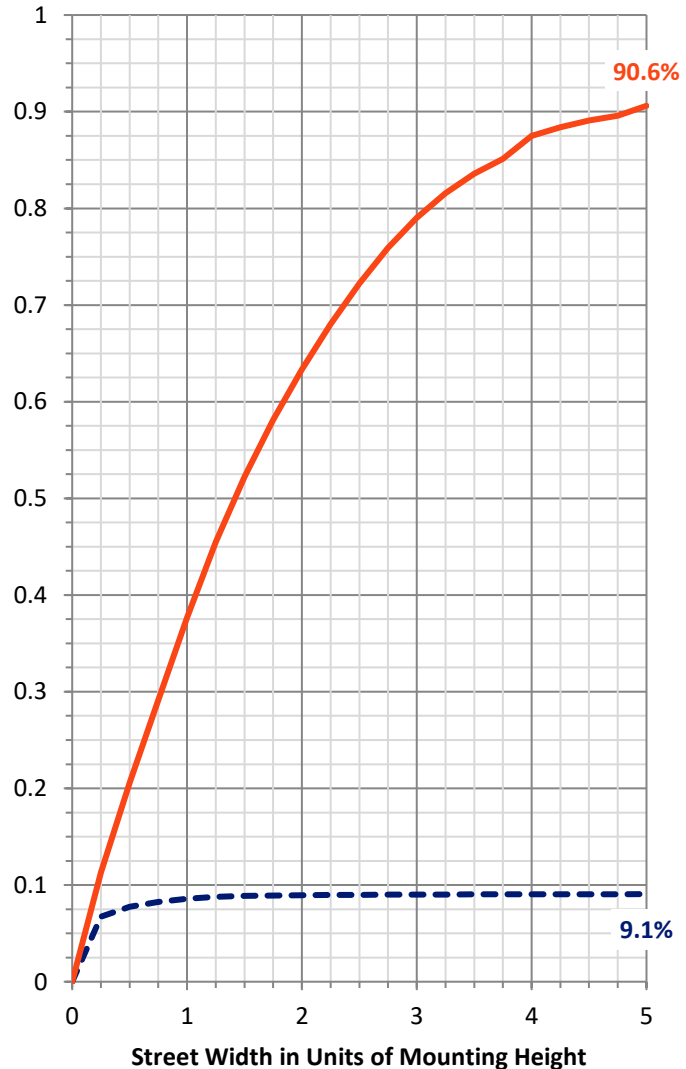
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	725.3	0.0	725.3
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	7231.4	0.0	7231.4
	% Fixture	90.9	0.0	90.9
Total	Lumens	7956.7	0.0	7956.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.5	1.4
10°-20°	246.5	3.1
20°-30°	369.3	4.6
30°-40°	587.5	7.4
40°-50°	1049.1	13.2
50°-60°	1627.9	20.5
60°-70°	2164.1	27.2
70°-80°	1627.8	20.5
80°-90°	171.0	2.1
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°	7956.7	100.0
0°-180°	7956.7	100.0

Coefficient of Utilization



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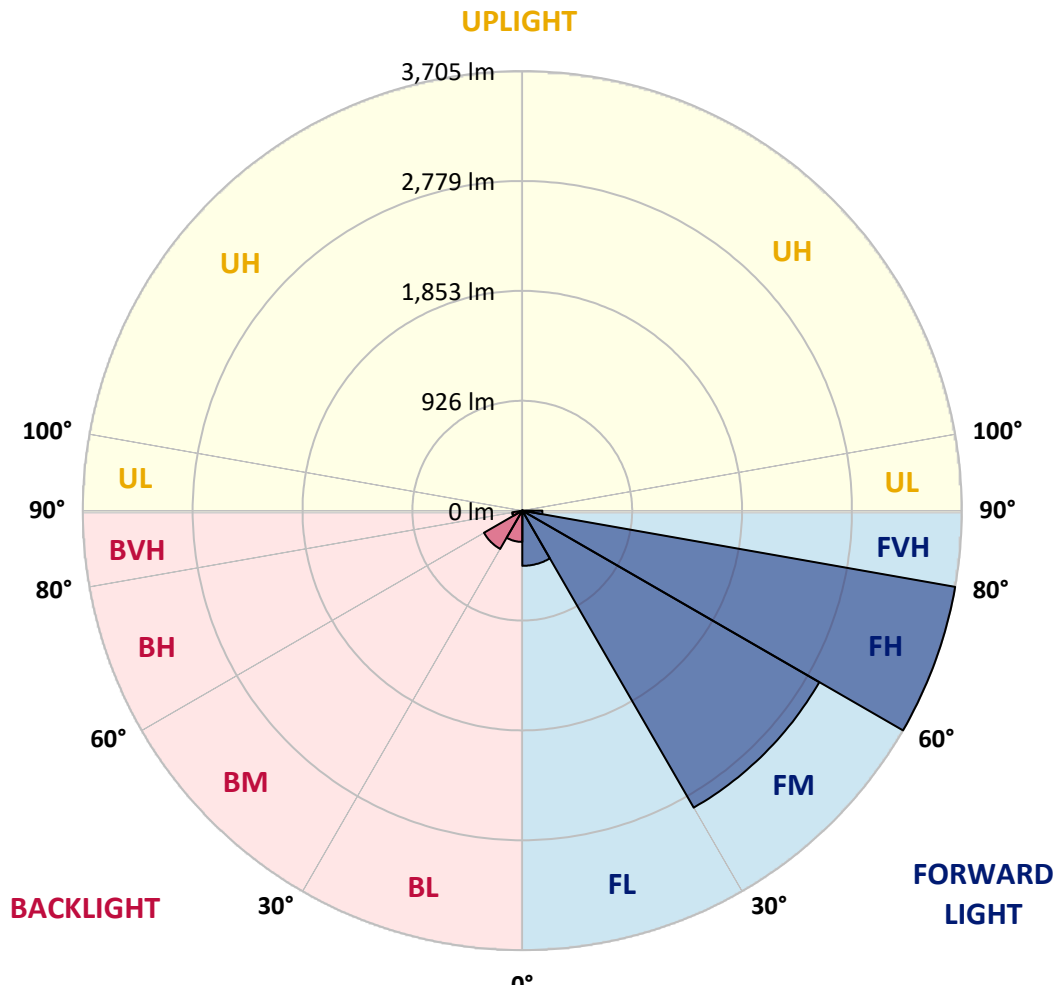
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	465.5	5.9			
FM (30°-60°)	2891.2	36.3			
FH (60°-80°)	3705.1	46.6			G2/5000
FVH (80°-90°)	169.6	2.1			G2/225
BL (0°-30°)	263.7	3.3	B1/500		
BM (30°-60°)	373.3	4.7	B1/1000		
BH (60°-80°)	86.8	1.1	B0/110		G0/110
BVH (80°-90°)	1.4	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°	31°	35°	45°	55°	65°	75°	85°
0°	1369.0	1369.0	1369.0	1369.0	1369.0	1369.0	1369.0	1369.0	1369.0	1369.0	1369.0
2.5°	1297.3	1302.8	1308.6	1309.8	1319.5	1319.9	1333.9	1344.5	1355.0	1365.0	1368.6
5°	1164.2	1173.1	1183.6	1194.2	1214.8	1223.0	1257.2	1292.2	1325.8	1357.7	1373.2
7.5°	1022.1	1032.2	1047.0	1073.1	1096.0	1112.0	1166.1	1228.4	1290.7	1349.5	1383.4
10°	892.4	901.7	917.3	944.9	980.4	1002.1	1075.0	1161.5	1253.0	1342.1	1398.6
12.5°	809.9	814.9	823.5	853.1	885.0	909.5	995.2	1102.3	1221.8	1341.7	1423.1
15°	794.6	796.2	789.2	802.4	827.4	851.1	938.0	1054.4	1198.0	1347.9	1455.0
17.5°	818.8	818.0	794.6	793.1	813.0	832.4	909.9	1021.3	1181.3	1362.3	1496.3
20°	855.4	852.7	812.2	804.8	825.8	844.1	907.9	1008.8	1175.1	1386.5	1546.5
22.5°	904.1	899.4	836.0	828.2	850.7	869.8	932.1	1020.8	1180.5	1418.8	1605.0
25°	964.4	957.4	876.8	868.3	891.2	910.3	975.4	1055.5	1196.9	1458.1	1678.9
27.5°	1032.6	1022.4	942.2	920.0	946.2	966.0	1033.0	1108.5	1222.5	1499.7	1769.6
30°	1096.8	1083.6	1011.2	974.5	1006.5	1028.6	1095.2	1171.5	1263.9	1564.0	1893.8
32.5°	1161.5	1146.6	1072.7	1029.0	1057.9	1082.0	1159.5	1258.4	1341.4	1662.2	2058.9
35°	1310.2	1294.6	1203.8	1131.9	1131.5	1145.1	1249.4	1377.2	1443.8	1798.8	2255.9
37.5°	1560.5	1551.6	1465.2	1328.5	1291.9	1276.7	1372.1	1518.9	1590.9	1986.8	2478.2
40°	1834.6	1826.8	1729.9	1606.1	1550.4	1513.0	1548.0	1716.3	1798.8	2216.6	2705.2
42.5°	2144.2	2107.2	1934.3	1897.3	1847.5	1819.0	1787.5	1959.6	2054.3	2466.6	2930.3
45°	2425.2	2363.0	2138.7	2082.6	2071.4	2078.3	2095.9	2286.7	2341.5	2763.6	3154.5
47.5°	2592.7	2543.6	2371.5	2317.8	2314.7	2361.1	2493.4	2656.1	2627.8	3022.5	3351.9
50°	2752.0	2707.5	2564.6	2577.9	2592.3	2655.4	2944.6	3036.1	2889.0	3257.3	3533.0
52.5°	2880.8	2813.1	2738.3	2812.6	2883.6	2985.2	3410.4	3377.2	3074.4	3444.2	3688.0
55°	2955.1	2924.4	2960.6	3035.4	3168.6	3333.6	3849.9	3661.1	3209.8	3614.8	3791.1
57.5°	3227.8	3167.4	3239.4	3304.0	3477.7	3708.5	4226.4	3872.5	3307.5	3720.3	3814.9
60°	3557.5	3508.8	3551.3	3658.8	3893.1	4164.5	4578.4	4044.9	3358.5	3788.0	3753.3
62.5°	4082.3	4018.1	3991.7	4111.9	4422.7	4719.0	4845.5	4164.5	3347.2	3758.0	3542.4
65°	4785.6	4719.0	4600.6	4709.6	5104.8	5313.9	5144.1	4189.8	3269.4	3515.5	3008.9
67.5°	5505.8	5457.5	5356.3	5540.1	5896.8	5964.1	5459.9	4128.3	3018.6	2850.4	2125.8
70°	5981.6	5961.0	6026.8	6433.3	6751.3	6731.9	5749.6	3797.8	2352.8	1752.8	1051.7
72.5°	5638.6	5737.4	6223.4	6960.4	7349.0	7190.1	5600.9	2916.3	1344.8	674.4	304.1
73°	5354.4	5480.9	6135.0	6980.3	7396.1	7222.1	5475.8	2676.8	1146.2	532.3	230.5
75°	3724.9	3880.3	5079.1	6501.0	7175.7	6881.1	4564.3	1638.4	531.0	236.0	93.1
77.5°	1808.5	1923.4	2796.7	4697.2	5580.6	5376.2	2841.5	610.5	239.8	147.6	42.8
80°	675.1	750.7	1214.0	2390.7	3225.0	3309.5	1249.9	230.9	159.6	118.7	21.8
82.5°	176.8	197.0	447.7	1066.0	1652.8	1729.9	394.0	116.4	116.8	97.7	13.2
85°	56.5	64.6	139.8	478.5	778.7	683.7	102.8	56.5	84.9	72.8	7.4
87.5°	7.0	8.9	44.3	112.5	171.7	95.3	16.0	16.7	36.2	40.5	4.3
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°	1369.0	1369.0	1369.0	1369.0	1369.0	1369.0	1369.0	1369.0	1369.0	1369.0	1369.0
2.5°	1372.1	1370.1	1370.5	1360.4	1353.8	1340.5	1326.9	1320.7	1314.0	1311.3	1314.0
5°	1379.1	1375.6	1365.5	1334.3	1301.2	1258.4	1218.3	1188.0	1149.7	1139.2	1150.1
7.5°	1390.0	1383.0	1353.4	1289.9	1216.3	1134.6	1042.7	975.7	920.8	885.4	898.2
10°	1406.0	1392.7	1333.1	1225.3	1093.6	948.9	818.4	716.8	644.8	615.2	614.0
12.5°	1432.9	1407.9	1308.2	1141.2	943.8	750.7	579.7	469.6	411.2	373.4	372.6
15°	1462.4	1425.8	1276.7	1040.4	769.4	537.7	373.4	289.7	251.9	239.8	238.3
17.5°	1498.6	1446.5	1235.8	916.2	586.7	356.2	243.8	219.6	218.0	216.9	216.9
20°	1544.2	1471.0	1183.3	774.1	416.2	237.9	207.1	208.7	209.5	207.9	208.3
22.5°	1597.2	1495.9	1120.5	621.4	281.5	199.0	198.2	200.1	200.9	200.1	200.6
25°	1658.6	1524.7	1044.2	461.3	203.3	188.8	190.8	193.5	195.5	195.5	195.5
27.5°	1735.0	1559.8	952.4	322.0	175.6	178.3	183.7	188.8	191.5	192.3	192.3
30°	1834.3	1603.4	842.2	220.8	159.6	164.3	174.4	184.1	189.2	190.0	190.4
32.5°	1959.6	1652.4	714.5	163.2	146.0	149.6	160.4	176.8	186.5	188.1	188.1
35°	2103.3	1709.2	577.0	142.1	136.3	137.4	146.0	164.7	181.9	186.1	186.5
37.5°	2260.6	1765.3	438.8	132.7	128.1	128.1	134.3	150.3	170.5	183.7	185.3
40°	2407.4	1799.2	307.6	125.4	120.7	120.7	126.2	137.8	156.9	176.8	181.0
42.5°	2542.8	1810.9	214.2	118.4	113.7	114.9	119.5	128.9	143.3	163.2	167.0
45°	2682.3	1808.9	156.1	110.2	106.7	110.2	113.7	120.7	131.2	142.5	143.3
47.5°	2787.4	1792.6	123.8	102.4	100.0	104.7	107.8	112.5	118.4	117.6	117.6
50°	2885.9	1752.8	99.7	91.9	93.5	98.9	100.4	102.0	102.4	95.0	94.2
52.5°	2960.6	1690.9	79.8	80.6	86.8	92.2	90.7	88.4	84.5	75.5	73.9
55°	2985.6	1571.8	62.7	66.6	77.1	84.1	78.3	73.2	65.8	58.4	56.8
57.5°	2940.4	1418.0	51.0	51.8	65.0	70.8	64.3	58.4	50.3	44.0	42.8
60°	2844.6	1247.1	42.1	38.9	50.3	55.3	51.0	45.2	37.8	33.1	32.7
62.5°	2654.6	1064.9	34.7	30.3	38.1	42.5	39.7	35.4	29.2	26.1	25.7
65°	2255.1	851.9	28.0	24.5	29.6	33.1	30.7	27.6	23.0	20.7	20.3
67.5°	1574.1	575.8	23.0	20.3	23.4	26.1	24.1	22.5	18.3	17.9	18.3
70°	759.2	277.6	19.1	16.3	18.3	20.3	19.4	18.3	17.6	20.3	23.4
72.5°	217.7	93.1	15.2	13.6	14.7	16.0	16.7	16.3	19.1	24.5	28.5
73°	167.4	75.2	14.4	12.9	14.0	15.6	16.3	16.0	19.4	24.9	28.5
75°	71.7	36.2	10.9	10.5	11.6	13.6	14.4	14.4	19.4	25.3	27.2
77.5°	32.3	19.4	7.0	8.2	10.1	10.9	12.0	12.0	15.6	19.4	19.4
80°	18.3	10.5	5.4	6.2	7.4	7.4	7.4	6.6	7.0	7.8	8.5
82.5°	11.6	7.0	4.3	5.1	4.7	3.9	3.1	3.1	2.7	3.1	3.9
85°	6.6	3.9	3.9	3.1	2.0	1.6	2.0	1.6	0.4	0.0	0.4
87.5°	3.9	2.3	1.1	0.0	0.0	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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