

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: P385894

Luminaire Tested: **GWC-SA1C-727-U-T3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385894
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA1C-727-U-T3-HSS
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4604 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

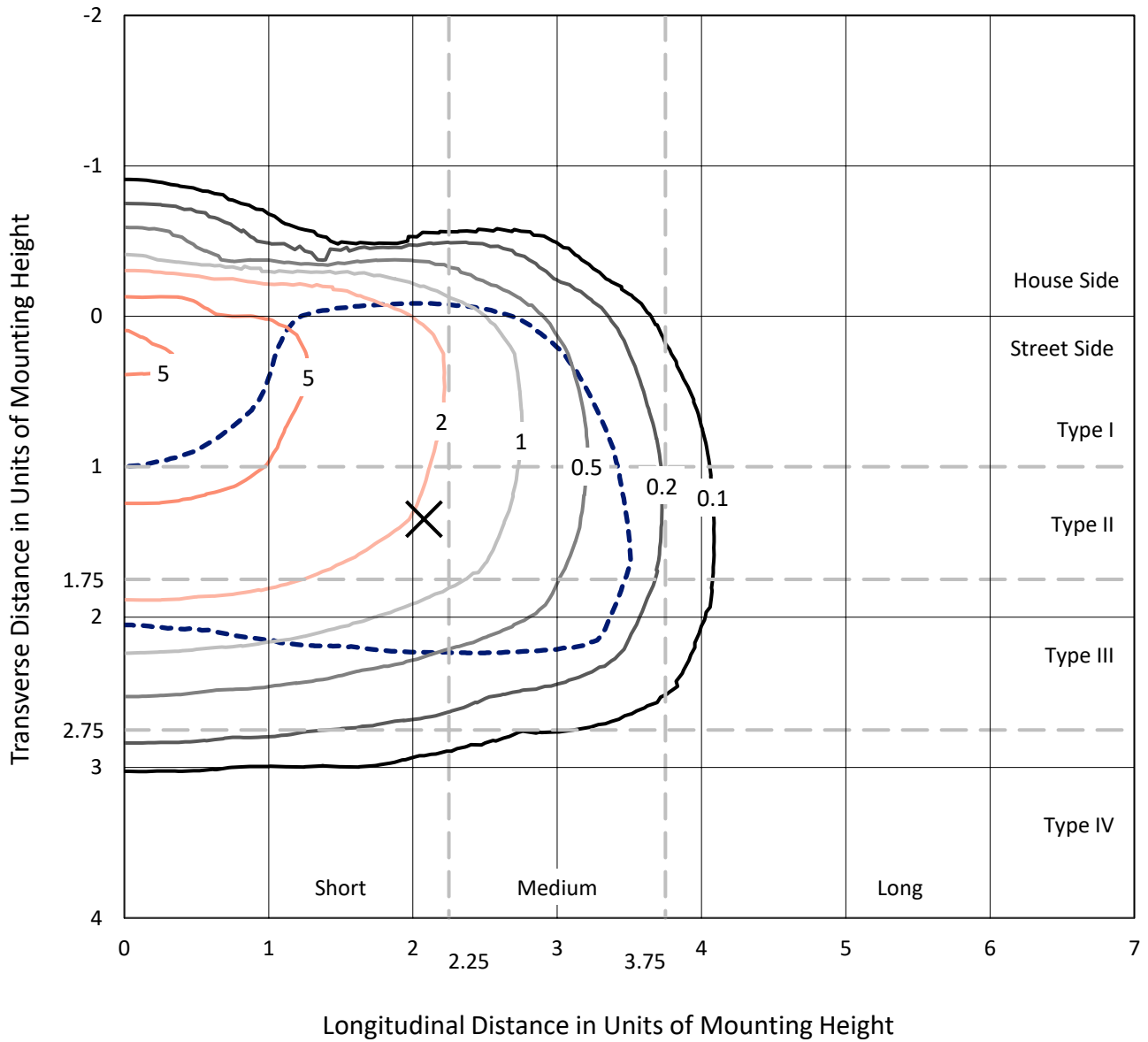
Input Watts (W): 59
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

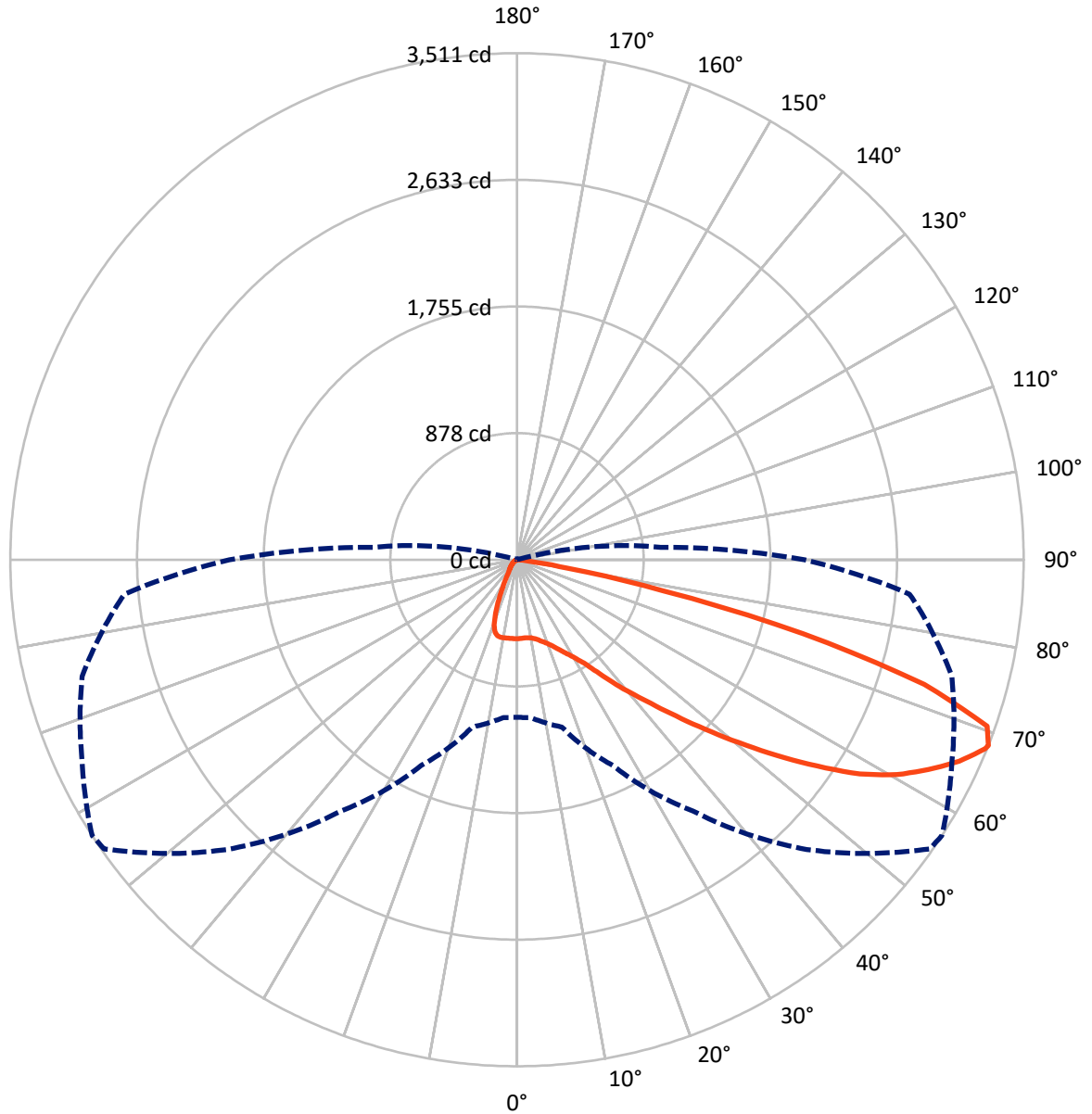
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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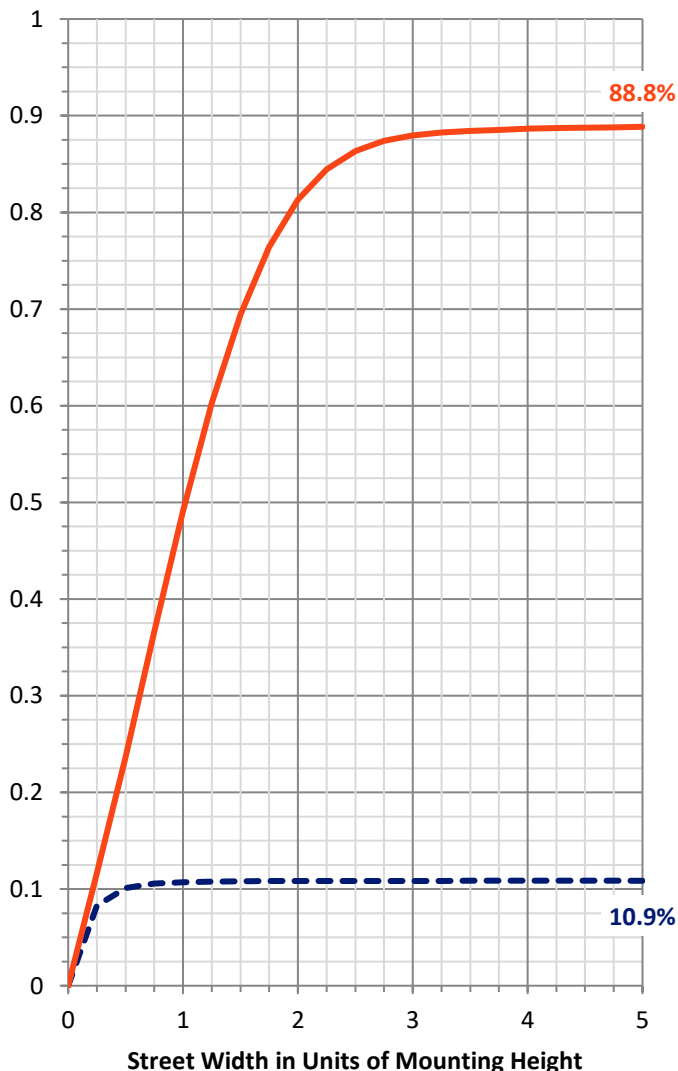
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	504.9	0.0	504.9
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	4099.1	0.0	4099.1
	% Fixture	89.0	0.0	89.0
Total	Lumens	4604.0	0.0	4604.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.2	1.1
10°-20°	141.9	3.1
20°-30°	244.7	5.3
30°-40°	422.4	9.2
40°-50°	722.6	15.7
50°-60°	1156.0	25.1
60°-70°	1335.7	29.0
70°-80°	510.4	11.1
80°-90°	19.1	0.4
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°	4604.0	100.0
0°-180°	4604.0	100.0

Coefficient of Utilization



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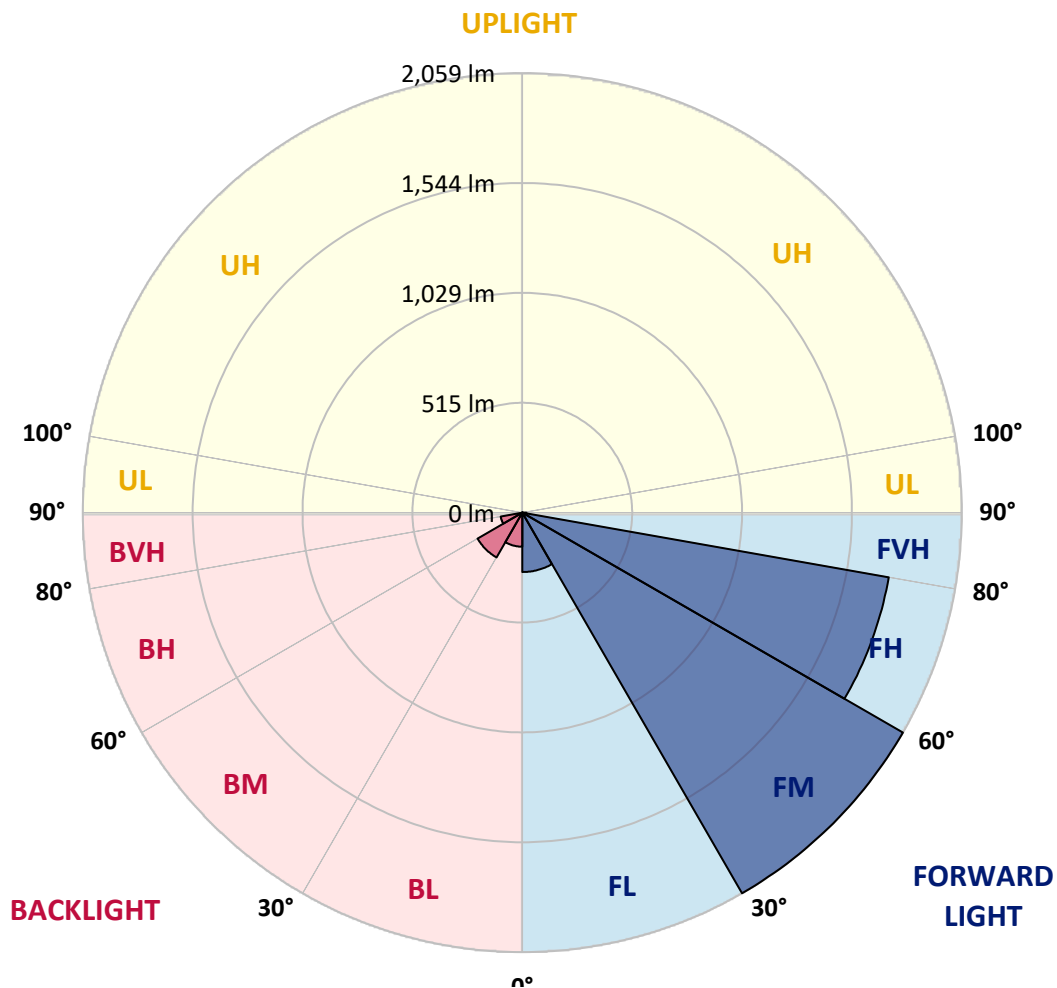
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	278.3	6.0			
FM (30°-60°)	2058.9	44.7			
FH (60°-80°)	1743.2	37.9			G1/1800
FVH (80°-90°)	18.8	0.4			G1/100
BL (0°-30°)	159.6	3.5	B1/500		
BM (30°-60°)	242.1	5.3	B1/1000		
BH (60°-80°)	102.8	2.2	B0/110		G0/110
BVH (80°-90°)	0.3	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	547.1	547.1	547.1	547.1	547.1	547.1	547.1	547.1	547.1	547.1	547.1
2.5°	534.2	536.6	538.4	539.5	540.8	543.6	544.5	545.8	546.4	546.4	547.9
5°	513.1	515.7	519.4	522.5	528.6	536.4	542.1	544.2	548.2	551.6	553.6
7.5°	493.5	496.6	500.9	508.1	518.6	531.2	542.9	546.0	553.6	561.0	564.7
10°	480.9	483.3	489.0	499.2	512.9	530.5	547.1	550.8	563.8	576.2	583.2
12.5°	476.5	478.7	484.6	496.1	513.1	533.8	556.7	562.1	581.3	599.3	609.1
15°	482.9	483.3	489.6	500.5	517.3	541.9	572.5	579.1	603.2	626.8	638.9
17.5°	507.2	505.3	508.5	513.3	526.6	552.5	589.3	599.1	631.3	659.0	670.5
20°	568.2	568.2	560.8	547.7	547.9	569.1	612.0	623.1	662.5	694.5	704.9
22.5°	672.5	670.5	655.7	623.7	594.3	597.6	639.6	654.0	699.9	734.1	737.6
25°	797.9	795.5	772.6	727.5	676.6	643.7	677.0	693.6	744.5	774.8	767.6
27.5°	930.7	928.7	906.1	850.1	777.6	717.3	721.7	737.3	790.0	819.9	797.0
30°	1059.3	1060.0	1037.6	980.1	898.0	811.1	778.3	787.4	834.2	864.5	831.8
32.5°	1181.7	1182.5	1163.2	1098.9	1022.3	920.2	856.6	854.2	885.6	915.4	878.0
35°	1290.7	1292.9	1279.6	1229.8	1148.6	1041.7	958.3	952.6	958.5	992.3	948.7
37.5°	1395.9	1397.2	1387.2	1345.2	1277.2	1175.1	1086.8	1078.7	1066.1	1092.0	1042.1
40°	1511.0	1507.8	1496.2	1458.1	1399.8	1322.5	1224.8	1210.8	1188.9	1211.9	1164.9
42.5°	1618.2	1614.5	1616.4	1573.3	1524.1	1474.0	1385.7	1361.7	1348.9	1375.4	1315.6
45°	1752.0	1750.1	1756.6	1719.2	1679.3	1643.0	1570.0	1543.9	1538.3	1569.4	1497.8
47.5°	1884.2	1889.0	1909.2	1893.3	1877.2	1845.2	1765.3	1753.6	1757.0	1794.7	1690.0
50°	1994.3	2000.0	2055.5	2073.8	2097.1	2078.4	1998.3	1991.1	2004.8	2038.7	1896.8
52.5°	2074.0	2085.6	2154.6	2238.8	2323.7	2336.3	2256.4	2249.9	2268.4	2273.6	2056.6
55°	2129.3	2139.5	2217.7	2371.8	2544.7	2599.1	2549.5	2524.2	2520.7	2469.1	2224.7
57.5°	2139.1	2138.0	2250.4	2457.8	2718.0	2858.4	2827.0	2802.2	2730.8	2649.8	2417.3
60°	2083.8	2090.1	2220.5	2487.6	2826.8	3054.5	3056.9	3024.7	2913.5	2825.5	2604.1
62.5°	1913.6	1939.3	2071.0	2409.5	2825.5	3133.6	3225.4	3200.8	3067.8	2969.4	2793.5
65°	1637.5	1646.7	1772.3	2141.7	2634.6	3100.5	3377.2	3368.0	3206.9	3109.2	2890.8
67.5°	1195.8	1176.0	1307.9	1686.5	2230.5	2907.6	3486.0	3497.5	3314.2	3137.9	2787.2
68°	1091.3	1097.2	1200.0	1574.0	2124.7	2839.4	3493.2	3510.8	3324.9	3119.2	2730.6
70°	650.5	661.8	753.5	1083.7	1616.4	2453.9	3415.7	3456.0	3261.3	2926.1	2361.8
72.5°	166.1	179.6	266.2	485.0	923.3	1729.0	2883.4	2951.6	2831.6	2373.8	1594.4
75°	68.4	71.8	95.1	159.8	344.0	778.9	1900.5	2046.4	1963.0	1421.1	720.6
77.5°	47.2	49.6	61.2	88.6	148.9	264.1	931.8	1037.1	934.4	485.0	157.2
80°	34.0	35.9	43.8	59.0	85.6	94.3	303.7	351.1	278.9	106.5	39.0
82.5°	20.2	21.8	32.7	42.0	52.0	45.1	75.5	85.8	80.8	52.9	17.4
85°	10.0	11.8	22.0	30.0	28.1	18.9	23.1	25.7	31.8	32.2	9.4
87.5°	0.7	1.3	12.8	18.1	7.8	4.4	6.7	8.3	11.3	15.9	3.9
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°	547.1	547.1	547.1	547.1	547.1	547.1	547.1	547.1	547.1	547.1	547.1
2.5°	548.6	548.8	547.3	546.6	547.1	544.5	543.4	543.8	543.8	544.5	543.4
5°	554.0	554.0	551.4	547.9	546.0	541.0	537.7	536.8	536.2	535.8	534.9
7.5°	565.8	564.5	559.9	552.3	545.8	534.9	526.6	522.3	520.1	519.2	518.6
10°	584.7	582.3	574.7	560.6	545.6	526.2	508.1	495.3	484.6	480.2	477.6
12.5°	610.2	606.7	593.9	570.4	544.0	508.3	469.1	431.5	396.4	382.1	374.9
15°	639.6	634.6	614.3	578.6	535.1	468.1	382.9	317.0	268.4	250.1	242.3
17.5°	669.4	662.9	632.2	583.9	508.3	384.7	268.6	202.9	170.5	161.8	158.7
20°	699.5	689.9	647.7	579.9	447.8	277.3	177.2	148.3	138.9	136.3	135.4
22.5°	728.0	713.2	661.6	564.7	354.6	186.1	140.2	131.1	128.0	126.5	126.0
25°	752.8	732.1	673.8	517.7	251.0	140.6	126.3	123.2	119.3	116.5	116.7
27.5°	776.1	751.1	681.2	440.2	167.4	120.2	116.9	112.8	105.6	101.4	101.4
30°	804.2	776.3	686.6	338.7	123.2	106.2	103.6	97.3	87.5	82.1	82.1
32.5°	846.4	814.6	683.1	237.7	102.1	93.4	87.3	78.6	67.9	62.7	62.5
35°	911.1	873.8	658.3	155.9	90.1	81.2	71.4	60.7	51.4	47.0	46.8
37.5°	998.1	953.1	602.6	111.5	80.8	69.9	58.1	46.4	39.4	36.6	36.4
40°	1111.1	1045.2	522.9	90.3	72.1	59.0	44.8	35.9	31.1	29.0	29.2
42.5°	1246.8	1143.8	427.3	77.9	63.6	48.5	35.0	28.3	25.3	23.7	23.3
45°	1397.4	1241.1	327.2	69.4	55.1	39.2	27.4	22.4	20.0	19.2	19.2
47.5°	1563.1	1335.8	239.5	62.0	45.9	30.3	22.0	18.3	16.3	15.7	15.5
50°	1713.5	1401.5	172.6	54.2	37.7	23.9	17.9	15.2	13.9	13.1	13.1
52.5°	1838.9	1422.2	127.1	45.7	30.5	19.2	14.8	13.1	11.8	11.1	11.1
55°	1949.3	1413.7	94.5	37.7	24.6	15.7	12.6	11.1	10.0	9.4	9.4
57.5°	2055.1	1386.3	70.5	30.7	19.8	12.6	10.7	9.4	8.3	7.8	7.8
60°	2141.5	1340.6	52.5	24.8	15.9	10.2	8.9	7.6	6.7	6.1	6.1
62.5°	2211.6	1290.1	38.5	20.5	12.6	8.1	7.0	6.3	5.0	4.4	4.4
65°	2212.0	1206.3	29.0	17.0	9.8	6.3	5.2	5.0	3.3	2.6	2.4
67.5°	2052.0	1039.9	22.2	14.6	7.6	4.8	3.9	4.1	1.7	1.1	0.9
68°	1993.9	997.7	20.9	14.4	7.2	4.6	3.7	4.1	1.5	0.9	0.7
70°	1681.1	793.7	16.8	13.9	6.3	3.5	3.0	4.1	1.3	0.7	0.4
72.5°	1075.2	460.7	12.4	11.1	4.8	2.6	2.0	3.7	1.3	0.4	0.2
75°	457.6	142.8	8.5	7.8	2.8	2.0	1.3	2.4	0.9	0.2	0.0
77.5°	96.4	32.2	5.0	4.8	2.0	1.3	0.9	0.7	0.2	0.0	0.0
80°	24.8	9.4	2.6	2.4	1.1	0.7	0.4	0.0	0.0	0.0	0.0
82.5°	7.8	3.7	1.5	1.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.9	2.2	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.2	0.7	0.2	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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