

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: P386339

Luminaire Tested: **GWC-SA2A-727-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386339
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA2A-727-U-T2
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7980 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

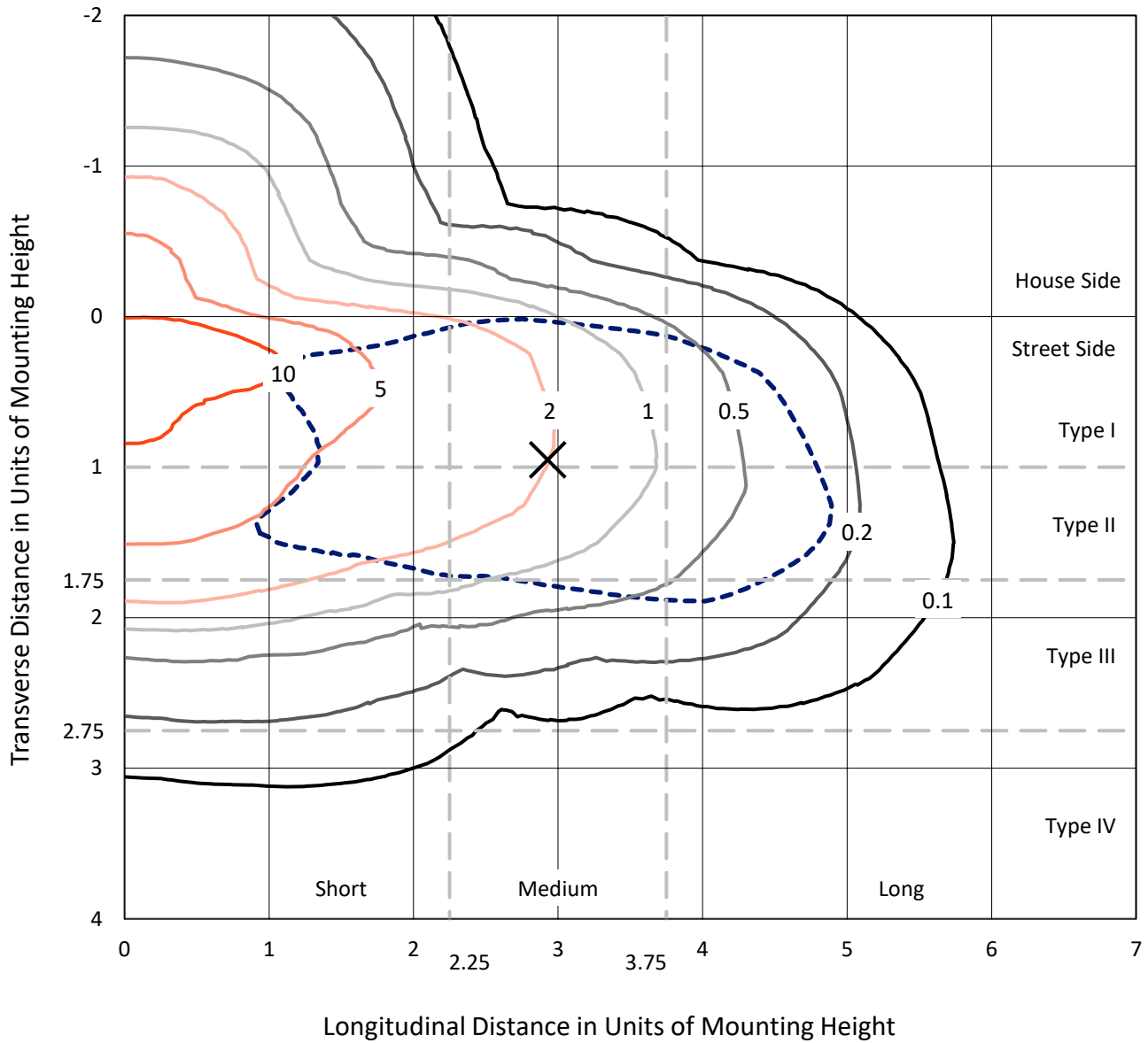
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

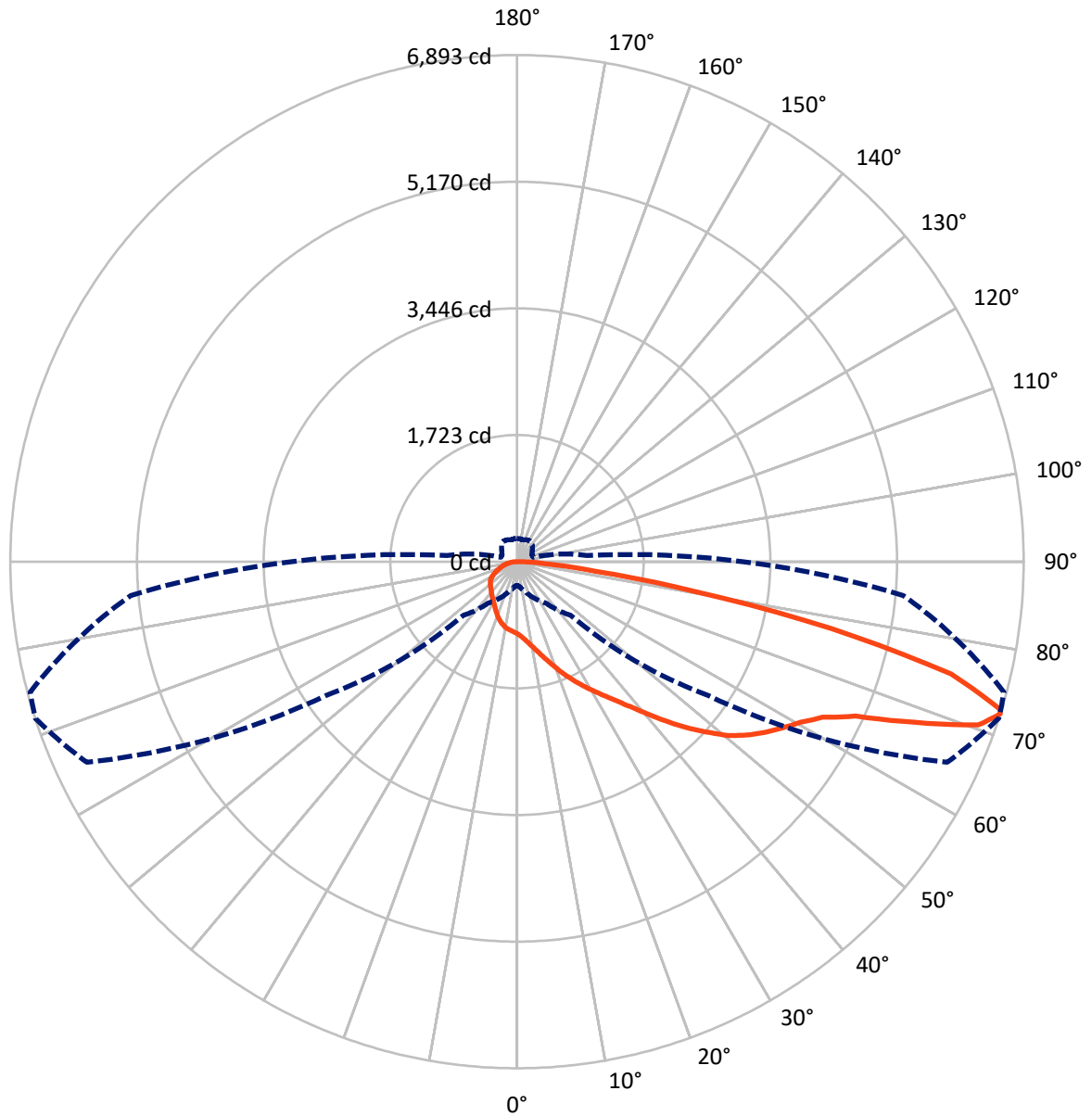
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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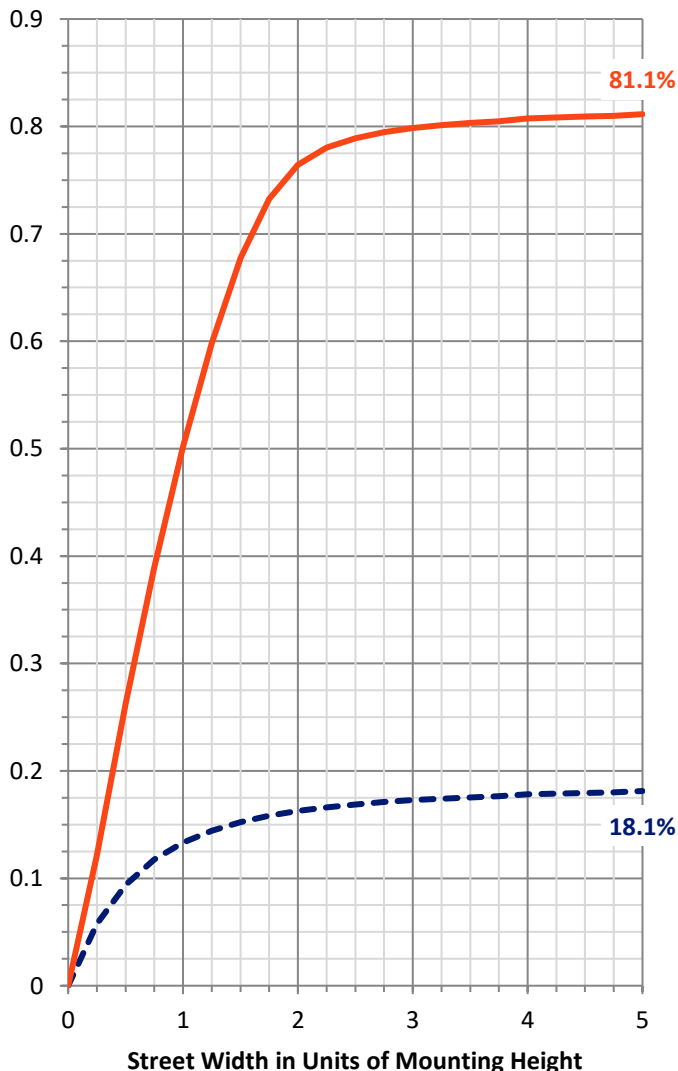
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1480.3	0.0	1480.3
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	6499.7	0.0	6499.7
	% Fixture	81.4	0.0	81.4
Total	Lumens	7980.0	0.0	7980.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.4	1.2
10°-20°	317.9	4.0
20°-30°	557.1	7.0
30°-40°	825.9	10.4
40°-50°	1208.0	15.1
50°-60°	1662.2	20.8
60°-70°	1850.5	23.2
70°-80°	1253.9	15.7
80°-90°	206.1	2.6
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°	7980.0	100.0
0°-180°	7980.0	100.0

Coefficient of Utilization



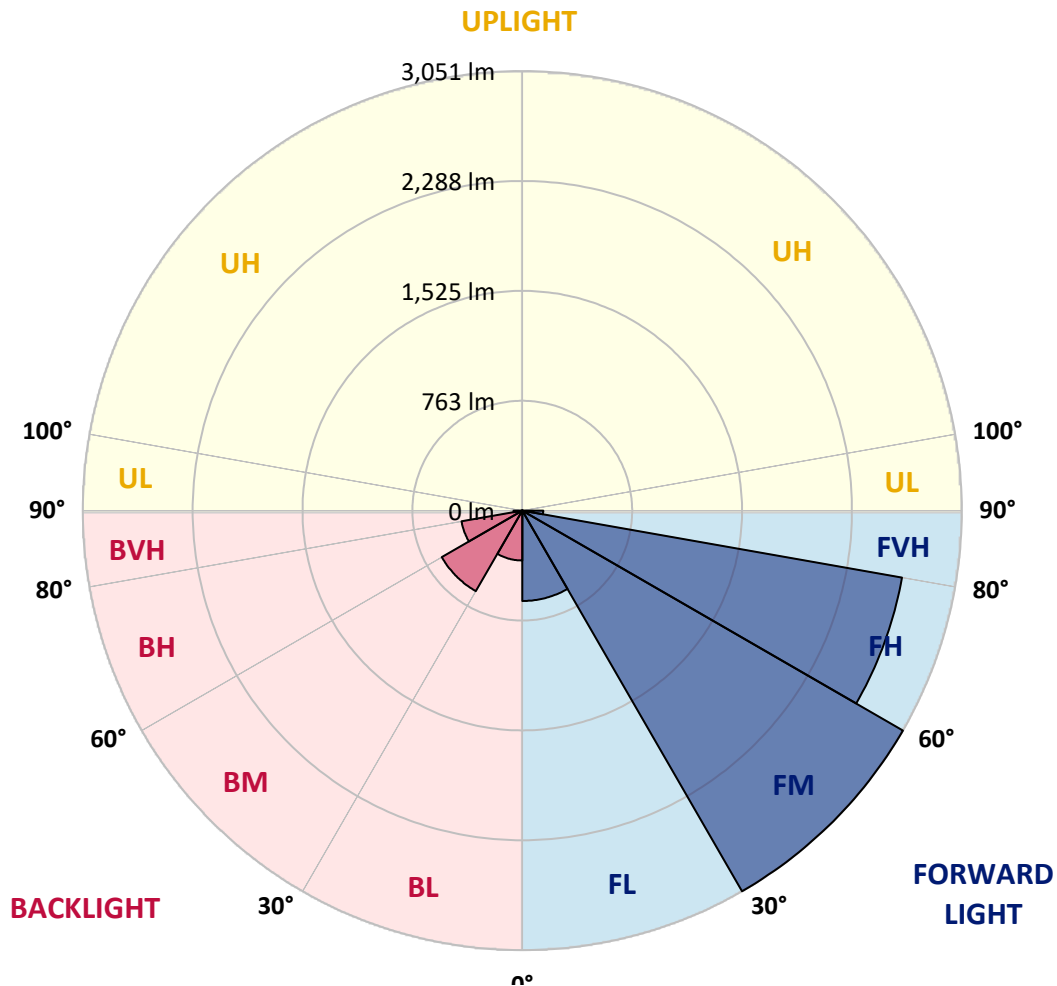
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	627.3	7.9			
FM (30°-60°)	3050.9	38.2			
FH (60°-80°)	2676.2	33.5			G2/5000
FVH (80°-90°)	145.4	1.8			G2/225
BL (0°-30°)	346.1	4.3	B1/500		
BM (30°-60°)	645.3	8.1	B1/1000		
BH (60°-80°)	428.3	5.4	B1/500		G1/500
BVH (80°-90°)	60.7	0.8			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°	65°	72°	75°	85°
0°	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7
2.5°	1084.5	1082.9	1077.1	1077.1	1066.1	1056.8	1039.2	1027.4	1013.3	1008.4	991.9
5°	1189.5	1190.0	1182.9	1177.9	1161.7	1141.9	1112.0	1084.8	1057.6	1046.6	1012.8
7.5°	1277.7	1276.6	1274.7	1270.5	1255.4	1235.1	1194.7	1154.3	1114.2	1097.7	1039.4
10°	1334.3	1336.7	1338.4	1340.3	1334.0	1319.4	1281.2	1232.1	1179.6	1157.1	1071.3
12.5°	1362.9	1367.2	1374.9	1388.1	1398.6	1396.9	1369.2	1317.0	1254.6	1226.3	1111.2
15°	1379.6	1385.4	1397.5	1421.1	1450.5	1467.3	1459.8	1412.6	1343.1	1308.2	1159.8
17.5°	1390.1	1394.7	1413.4	1445.0	1488.7	1533.2	1552.7	1513.2	1443.1	1403.2	1215.6
20°	1397.2	1400.8	1424.1	1461.2	1517.8	1588.7	1643.1	1633.2	1553.3	1501.6	1273.8
22.5°	1413.1	1416.2	1438.4	1475.8	1538.4	1629.9	1730.2	1745.1	1669.5	1611.0	1336.2
25°	1457.6	1457.6	1476.3	1502.4	1561.2	1665.6	1803.9	1869.5	1788.2	1720.1	1393.9
27.5°	1542.6	1541.7	1548.6	1557.7	1602.2	1701.9	1869.5	1979.4	1911.3	1836.8	1450.0
30°	1643.1	1648.6	1649.4	1645.0	1665.9	1747.3	1930.2	2095.4	2035.2	1955.0	1507.4
32.5°	1772.5	1776.1	1772.0	1757.4	1754.4	1811.5	1989.9	2216.8	2169.3	2078.3	1559.9
35°	1936.8	1930.0	1917.1	1887.4	1859.1	1897.6	2058.0	2338.3	2319.9	2227.5	1632.1
37.5°	2113.0	2113.2	2097.3	2030.0	1991.0	2007.5	2152.0	2475.9	2502.0	2405.0	1724.7
40°	2254.2	2261.6	2271.5	2183.0	2132.5	2155.3	2271.5	2635.6	2717.5	2615.5	1845.3
42.5°	2352.8	2361.4	2389.4	2333.9	2281.4	2323.7	2412.2	2805.9	2959.3	2858.4	1986.6
45°	2457.3	2461.9	2481.7	2457.8	2424.3	2519.6	2570.7	2982.3	3215.1	3117.2	2144.6
47.5°	2567.2	2572.1	2592.4	2576.5	2558.9	2702.6	2736.1	3148.6	3460.2	3401.6	2313.3
50°	2702.9	2706.2	2725.4	2696.6	2702.1	2840.6	2884.0	3301.1	3717.1	3657.2	2482.5
52.5°	2888.1	2888.9	2915.6	2889.5	2863.6	2941.7	3011.2	3444.8	3918.5	3890.2	2651.8
55°	3033.2	3042.0	3129.3	3123.8	3109.0	3033.4	3117.5	3581.6	4098.2	4111.6	2831.5
57.5°	2940.6	2974.9	3151.9	3276.6	3398.1	3261.8	3261.2	3735.8	4265.2	4329.0	3029.0
60°	2575.4	2622.1	2882.9	3159.6	3539.6	3659.1	3559.6	3924.0	4433.9	4544.4	3276.6
62.5°	1839.3	1916.2	2269.6	2711.4	3345.6	3922.3	4166.9	4222.6	4663.4	4793.9	3598.4
65°	929.8	988.1	1284.3	1816.5	2672.9	3750.3	4826.9	4876.6	5062.1	5178.0	4093.8
67.5°	564.9	586.9	731.4	1010.3	1638.7	2921.3	5042.3	5966.6	5833.6	5895.2	4800.2
70°	416.3	432.5	522.6	671.0	942.5	1714.3	4381.2	6744.5	6657.1	6650.2	5322.3
72°	324.2	336.0	415.7	542.1	689.1	1028.5	3175.5	6457.3	6892.8	6858.2	5274.5
72.5°	307.5	317.9	390.4	510.2	651.2	932.3	2855.1	6263.6	6875.8	6860.1	5212.6
75°	242.1	249.5	289.1	394.6	509.7	528.9	1564.5	4854.1	6099.6	6353.2	4688.4
77.5°	200.3	201.4	222.3	287.1	397.3	374.0	768.5	3367.8	4367.7	4646.6	3321.1
80°	163.2	164.6	174.5	201.4	300.6	276.7	364.9	1936.6	2445.4	2448.5	1579.4
82.5°	130.0	130.2	141.2	147.3	216.0	197.8	209.1	909.2	1068.6	1027.9	567.7
85°	91.5	89.6	137.9	120.9	141.2	126.9	115.4	359.9	441.8	422.6	177.8
87.5°	30.5	31.6	61.3	78.3	82.4	72.0	51.4	137.9	166.8	165.4	56.3
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°	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7
2.5°	986.7	977.9	965.0	950.7	939.4	927.9	919.4	915.0	910.0	905.9	910.9
5°	997.1	980.6	953.2	926.2	906.5	888.9	876.2	869.6	863.6	859.5	860.0
7.5°	1014.2	987.5	941.4	902.1	874.6	855.6	842.7	838.3	834.5	833.4	834.7
10°	1032.3	993.0	925.7	873.5	842.2	826.5	820.7	823.8	826.5	829.0	831.7
12.5°	1052.9	998.0	902.9	840.0	813.3	807.3	813.0	826.2	835.8	841.6	845.2
15°	1079.8	1002.4	876.5	806.4	788.6	795.5	815.0	837.8	854.5	865.2	866.9
17.5°	1104.6	1002.1	842.7	772.6	768.5	788.6	818.0	850.1	872.7	887.8	890.8
20°	1130.1	994.7	803.4	739.7	748.2	781.2	819.4	858.1	885.3	902.9	907.0
22.5°	1154.0	981.7	760.3	709.7	731.2	771.3	814.1	853.4	880.6	894.9	899.3
25°	1170.2	959.2	716.6	684.4	716.0	759.2	797.1	828.7	849.0	856.2	857.3
27.5°	1178.5	929.8	675.4	662.5	700.4	739.4	765.5	781.2	786.9	786.4	785.3
30°	1179.6	891.1	639.9	644.6	682.3	710.3	722.6	719.6	712.2	699.6	700.7
32.5°	1176.0	847.4	610.3	627.6	659.2	674.8	675.4	660.8	641.0	621.0	615.5
35°	1177.1	804.5	584.2	608.3	631.1	638.0	631.7	610.3	583.3	557.5	552.0
37.5°	1189.2	767.2	561.6	586.1	600.1	601.7	592.7	570.1	550.4	525.1	522.9
40°	1218.0	740.5	540.2	561.1	569.0	569.9	557.0	541.0	542.7	529.2	528.9
42.5°	1270.0	729.0	521.2	535.0	539.9	541.6	531.7	521.5	535.8	527.0	524.0
45°	1337.0	731.7	505.3	509.4	518.5	526.2	520.1	507.8	513.3	475.1	462.4
47.5°	1414.5	749.3	492.7	487.4	503.1	517.7	508.3	489.6	470.1	432.2	425.1
50°	1505.2	776.5	481.1	465.7	486.3	506.1	496.8	470.1	440.7	422.3	419.8
52.5°	1599.7	809.7	469.6	441.8	465.2	497.3	492.7	465.7	429.5	411.3	408.0
55°	1706.9	843.3	455.0	414.1	442.4	493.2	490.7	449.8	420.9	410.8	408.3
57.5°	1840.1	881.5	435.8	385.2	420.9	478.4	470.7	440.2	412.2	404.5	403.6
60°	2013.8	937.8	408.0	354.5	394.8	455.6	453.9	426.2	398.1	392.6	391.5
62.5°	2274.3	1030.9	369.8	323.7	365.7	416.8	431.9	407.2	383.3	383.0	383.6
65°	2678.2	1171.1	328.3	296.8	336.3	384.1	406.4	387.7	368.2	373.7	374.5
67.5°	3146.4	1287.3	287.7	270.4	306.4	353.1	383.3	368.2	348.1	362.4	362.7
70°	3302.2	1183.4	252.0	244.3	275.3	323.1	358.3	346.8	326.4	340.7	339.3
72°	3073.0	955.4	228.9	224.5	252.0	298.4	336.0	326.7	306.6	316.3	312.7
72.5°	3000.7	910.9	223.1	219.5	245.6	292.1	330.3	321.8	301.7	309.9	306.6
75°	2676.8	791.1	191.8	192.6	214.3	261.3	297.8	295.1	274.5	275.3	274.2
77.5°	1941.5	580.0	161.6	167.1	182.4	229.7	265.2	263.5	241.0	236.9	236.0
80°	901.0	295.9	131.6	134.1	150.0	192.1	226.1	223.9	205.8	200.6	197.6
82.5°	308.6	140.7	98.9	100.6	116.2	154.7	196.2	194.8	179.7	169.5	163.2
85°	110.2	70.1	69.2	67.6	83.0	121.7	170.9	163.5	141.2	120.3	119.8
87.5°	35.7	29.9	35.7	35.4	48.4	82.4	124.2	105.8	102.5	85.2	83.5
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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