

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: P385475

Luminaire Tested: **GWC-SA1A-730-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385475
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA1A-730-U-T3
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4533 lumens
Efficiency: N/A
Efficacy: 133.3 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

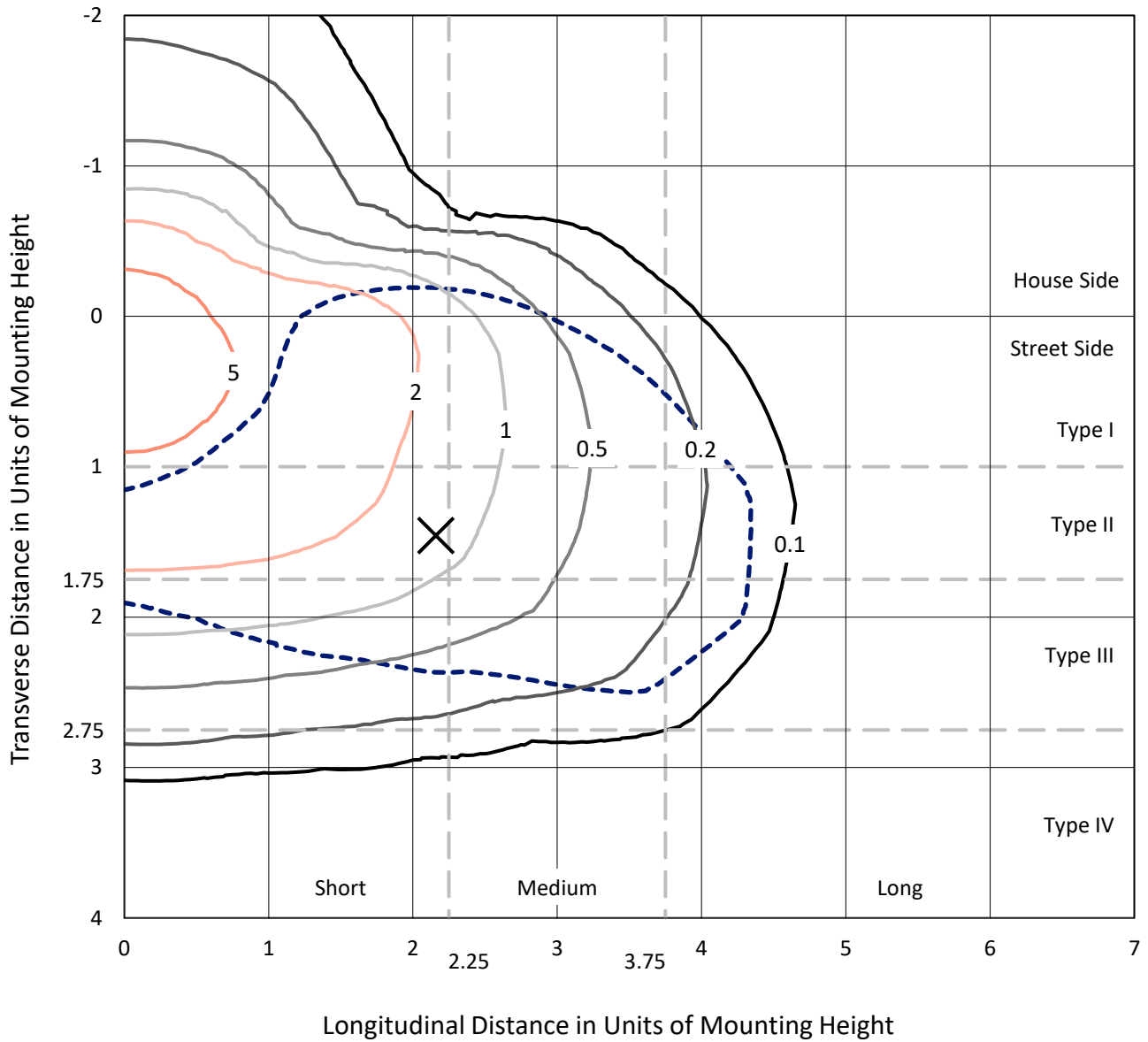
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

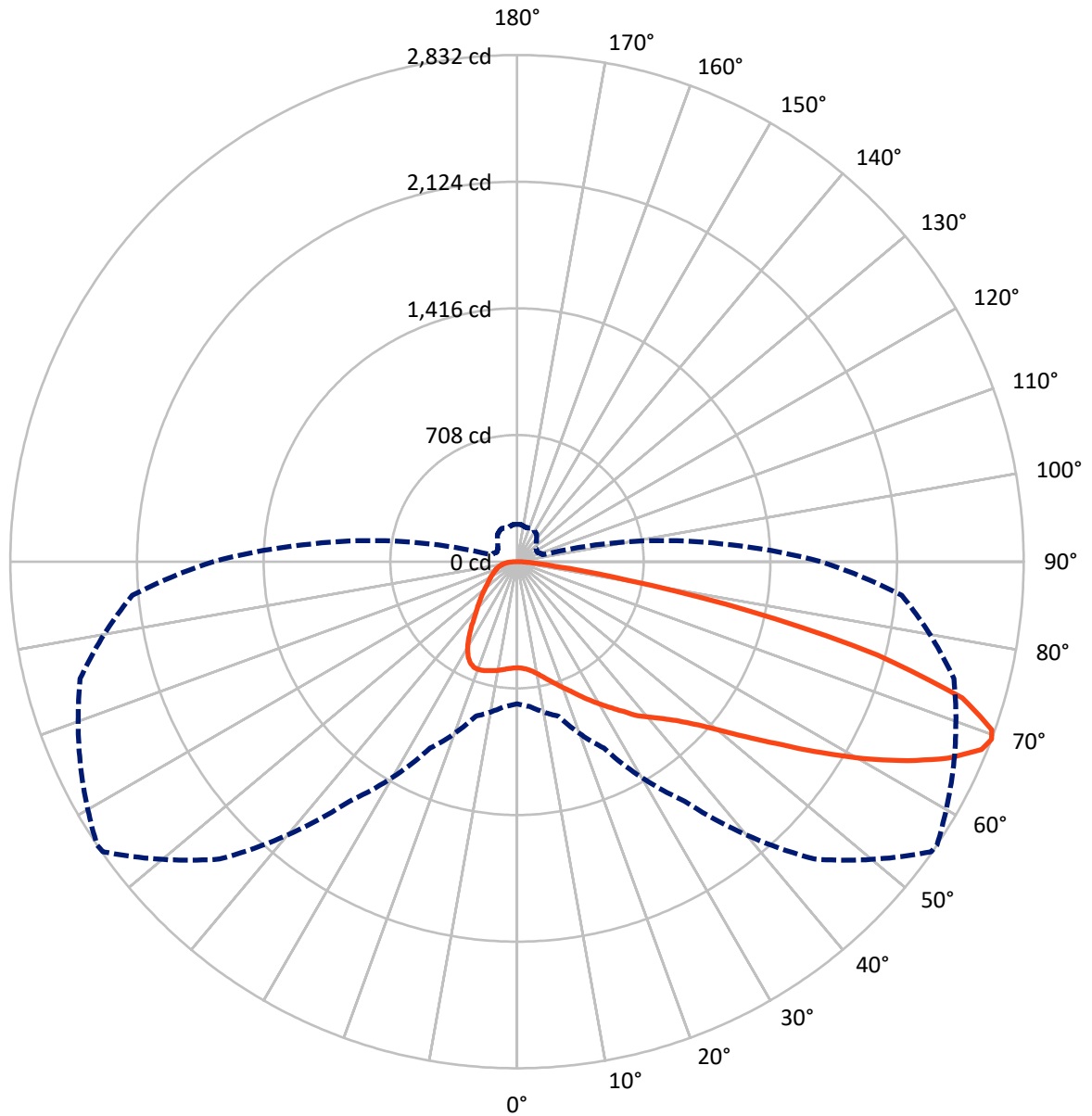
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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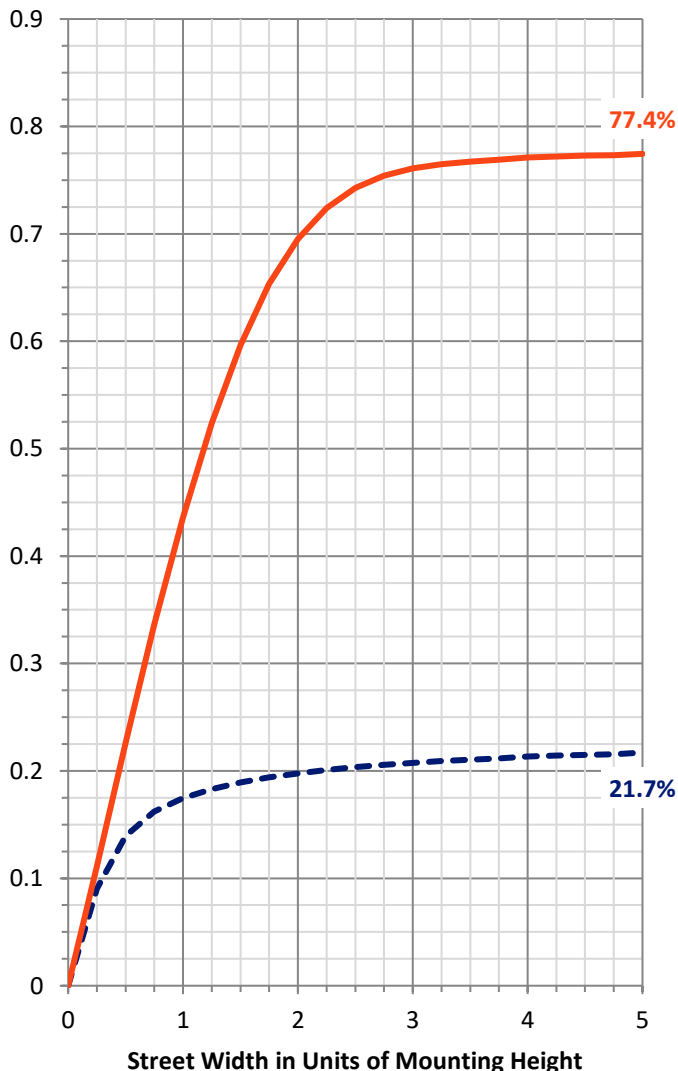
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1009.5	0.0	1009.5
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	3523.5	0.0	3523.5
	% Fixture	77.7	0.0	77.7
Total	Lumens	4533.0	0.0	4533.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.2	1.3
10°-20°	187.2	4.1
20°-30°	326.7	7.2
30°-40°	469.3	10.4
40°-50°	649.5	14.3
50°-60°	951.6	21.0
60°-70°	1160.2	25.6
70°-80°	641.4	14.2
80°-90°	88.8	2.0
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°	4533.0	100.0
0°-180°	4533.0	100.0

Coefficient of Utilization



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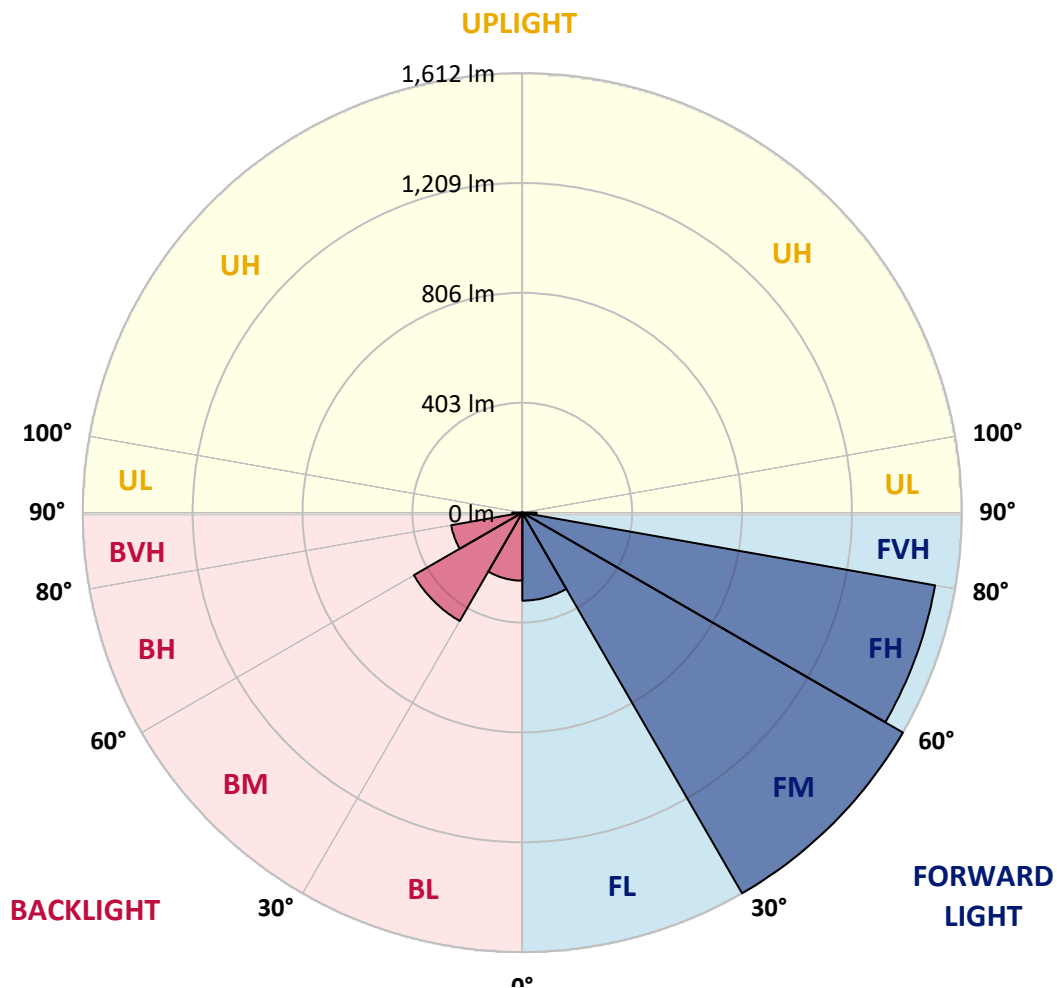
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	322.6	7.1			
FM (30°-60°)	1611.7	35.6			
FH (60°-80°)	1536.9	33.9			G1/1800
FVH (80°-90°)	52.3	1.2			G1/100
BL (0°-30°)	249.5	5.5	B1/500		
BM (30°-60°)	458.8	10.1	B1/1000		
BH (60°-80°)	264.7	5.8	B1/500		G1/500
BVH (80°-90°)	36.5	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	592.6	592.6	592.6	592.6	592.6	592.6	592.6	592.6	592.6	592.6	592.6
2.5°	596.4	597.0	596.5	597.8	596.4	597.3	596.5	596.5	596.1	594.7	593.1
5°	605.7	607.0	606.2	607.5	605.7	606.1	604.6	604.6	603.2	600.3	597.2
7.5°	620.4	621.8	621.2	622.4	620.1	620.1	618.2	618.1	615.3	610.4	606.8
10°	637.9	639.8	639.2	641.0	639.2	639.8	637.9	637.9	634.2	627.3	622.8
12.5°	663.4	665.7	664.0	663.8	663.0	664.3	662.7	662.4	659.0	649.6	643.4
15°	697.4	699.9	696.3	696.0	691.6	691.2	691.2	690.7	688.5	677.3	667.0
17.5°	736.6	737.4	734.3	729.3	723.6	720.0	719.6	720.8	720.8	707.7	691.3
20°	775.0	776.4	773.9	768.3	761.1	755.8	752.1	754.6	754.4	738.8	715.5
22.5°	816.9	820.1	816.4	809.2	800.8	794.8	788.3	790.5	790.6	771.4	739.3
25°	871.1	868.1	865.7	855.6	843.6	837.5	831.4	833.6	832.9	806.6	763.8
27.5°	919.0	919.6	916.5	905.7	891.8	878.4	878.1	879.5	877.1	843.1	786.9
30°	974.7	975.1	970.7	961.0	945.9	928.5	924.5	926.8	921.8	877.8	811.2
32.5°	1030.2	1031.7	1026.9	1015.2	1003.0	981.9	973.8	975.4	962.9	913.2	836.4
35°	1078.7	1080.9	1079.4	1071.6	1058.3	1040.2	1030.5	1029.6	1014.1	956.6	869.6
37.5°	1128.2	1130.3	1128.6	1122.0	1116.7	1097.5	1092.3	1092.3	1065.5	1001.0	912.0
40°	1179.2	1182.3	1180.2	1171.2	1166.7	1157.9	1145.6	1142.6	1113.6	1054.2	981.0
42.5°	1226.5	1230.5	1238.6	1233.3	1224.1	1225.4	1200.5	1199.0	1177.7	1132.9	1067.7
45°	1293.6	1299.6	1313.3	1309.2	1307.4	1300.5	1271.0	1269.6	1261.4	1238.8	1175.2
47.5°	1366.9	1375.0	1399.8	1400.6	1420.7	1407.8	1367.6	1362.8	1364.7	1365.6	1306.6
50°	1434.3	1443.2	1484.0	1503.2	1550.7	1553.5	1489.3	1484.9	1492.3	1513.8	1459.6
52.5°	1488.2	1499.4	1550.3	1609.7	1691.0	1714.2	1639.0	1635.8	1641.2	1678.4	1632.6
55°	1527.7	1539.9	1595.3	1703.4	1833.3	1874.1	1811.4	1808.3	1811.8	1859.1	1820.8
57.5°	1536.9	1539.9	1620.3	1766.5	1953.4	2051.3	2022.4	2016.2	1999.3	2040.5	2028.5
60°	1493.7	1505.5	1599.7	1788.6	2046.3	2226.0	2242.9	2235.1	2187.8	2221.5	2211.8
62.5°	1405.9	1427.1	1522.7	1754.9	2082.7	2368.8	2459.2	2449.8	2368.3	2390.2	2343.6
65°	1262.5	1271.6	1372.0	1638.6	2036.5	2460.1	2652.0	2647.4	2544.8	2510.6	2368.0
67.5°	1006.1	1023.2	1108.4	1395.4	1847.4	2449.3	2801.2	2800.7	2660.0	2555.2	2281.6
69°	794.8	812.5	893.7	1149.5	1634.7	2350.8	2826.2	2831.6	2692.5	2528.0	2158.3
70°	633.7	654.1	709.9	968.2	1445.9	2220.9	2805.4	2815.2	2686.2	2483.2	2044.4
72.5°	269.7	286.2	325.9	499.1	881.2	1658.4	2565.1	2602.2	2541.5	2272.7	1689.6
75°	117.7	122.9	140.9	203.5	391.2	902.6	2009.4	2078.2	2173.1	1921.1	1258.6
77.5°	86.2	88.4	98.2	119.5	175.5	340.9	1292.2	1332.2	1567.2	1397.9	772.0
80°	66.7	68.2	75.9	87.8	114.6	137.9	589.3	623.7	881.2	718.0	321.5
82.5°	53.1	54.2	59.5	64.6	79.2	83.5	195.7	217.1	325.3	198.3	85.1
85°	49.3	50.6	52.5	47.2	50.8	49.0	84.6	88.5	98.2	77.9	35.6
87.5°	22.3	26.4	52.0	36.7	27.0	21.5	34.7	36.2	40.8	40.9	15.8
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°	592.6	592.6	592.6	592.6	592.6	592.6	592.6	592.6	592.6	592.6	592.6
2.5°	594.0	593.6	594.3	592.5	594.8	594.7	593.9	594.2	595.7	595.6	595.7
5°	597.6	597.3	598.2	596.8	599.6	600.6	600.7	602.1	603.9	604.3	604.3
7.5°	606.7	606.7	607.1	605.3	607.1	607.0	606.2	607.6	609.3	609.5	609.3
10°	622.3	622.4	621.7	616.8	615.3	611.0	607.1	607.3	609.5	611.2	611.7
12.5°	642.0	641.3	637.9	629.0	622.4	613.9	609.8	609.6	611.8	613.2	613.7
15°	664.5	662.7	653.8	639.3	627.8	619.3	612.8	611.2	610.0	608.4	608.5
17.5°	685.7	681.8	667.0	646.8	634.6	623.4	610.7	600.6	593.6	589.5	588.2
20°	707.2	699.6	678.2	653.8	638.4	617.9	593.6	572.9	560.1	554.2	553.1
22.5°	726.9	714.6	688.7	661.2	635.4	599.5	561.2	531.3	513.4	505.5	506.1
25°	746.1	728.9	699.6	666.3	620.4	567.0	516.3	479.4	458.8	449.9	449.6
27.5°	763.0	743.5	711.5	662.1	592.5	520.8	463.0	427.1	409.9	402.3	401.0
30°	782.4	761.7	727.2	646.0	551.6	467.4	411.0	385.7	373.5	365.9	364.5
32.5°	805.9	786.6	740.2	616.8	499.2	411.6	370.4	352.8	341.7	333.1	331.5
35°	840.3	819.4	743.5	575.0	441.8	367.6	340.6	322.5	307.5	296.4	295.3
37.5°	883.4	860.4	736.0	520.8	386.0	339.0	315.8	293.4	273.9	258.3	255.8
40°	945.5	910.9	715.2	458.3	345.0	317.0	291.5	266.1	241.9	223.6	220.0
42.5°	1020.2	970.1	683.3	396.2	314.8	294.7	267.5	236.0	212.8	199.9	198.0
45°	1115.1	1031.6	639.2	341.8	285.1	272.3	241.6	212.5	198.2	188.6	187.1
47.5°	1223.5	1100.6	592.8	297.6	260.0	251.4	220.8	202.1	190.7	183.2	181.8
50°	1356.7	1178.5	543.6	261.4	234.7	226.3	211.0	196.3	187.2	181.5	180.1
52.5°	1506.9	1266.4	508.1	232.8	213.8	207.7	205.8	193.2	185.8	181.5	180.1
55°	1668.7	1355.9	469.9	208.8	195.7	197.4	202.4	193.5	188.5	183.2	181.1
57.5°	1830.6	1448.4	427.2	188.5	181.3	189.7	200.0	194.1	189.9	184.7	182.9
60°	1958.7	1506.9	361.2	171.5	169.9	181.3	194.4	189.4	184.0	184.1	183.8
62.5°	2018.5	1503.8	288.3	156.3	158.5	169.9	185.4	182.1	177.6	183.6	184.1
65°	1984.9	1428.9	224.4	142.6	146.3	158.0	176.0	178.5	180.1	191.8	193.3
67.5°	1844.1	1283.0	173.8	130.5	135.2	149.9	176.9	194.4	196.4	208.8	208.6
69°	1698.4	1146.2	151.0	124.3	129.8	151.9	189.1	204.6	196.9	210.0	208.2
70°	1576.3	1038.0	138.8	120.1	127.3	155.5	197.2	204.4	194.6	205.8	202.7
72.5°	1214.0	746.7	117.7	112.3	118.8	148.8	199.6	199.9	189.1	191.3	186.0
75°	832.6	471.9	102.8	101.7	106.0	134.1	192.1	191.0	174.9	171.8	167.4
77.5°	459.1	239.7	87.3	91.5	94.5	118.8	174.6	173.0	159.8	153.2	151.6
80°	177.1	104.9	73.7	81.4	83.2	102.9	153.0	151.6	140.5	132.1	129.8
82.5°	66.8	55.0	60.9	70.4	69.8	85.0	129.6	128.8	118.1	105.7	102.0
85°	30.9	32.9	48.3	58.1	53.6	62.9	103.7	105.1	92.0	77.3	77.3
87.5°	13.1	18.4	34.2	43.9	36.1	42.5	76.0	72.6	66.7	46.2	43.4
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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