

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: P386143

Luminaire Tested: **GWC-SA1D-730-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386143
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-SA1D-730-U-T2
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7405 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

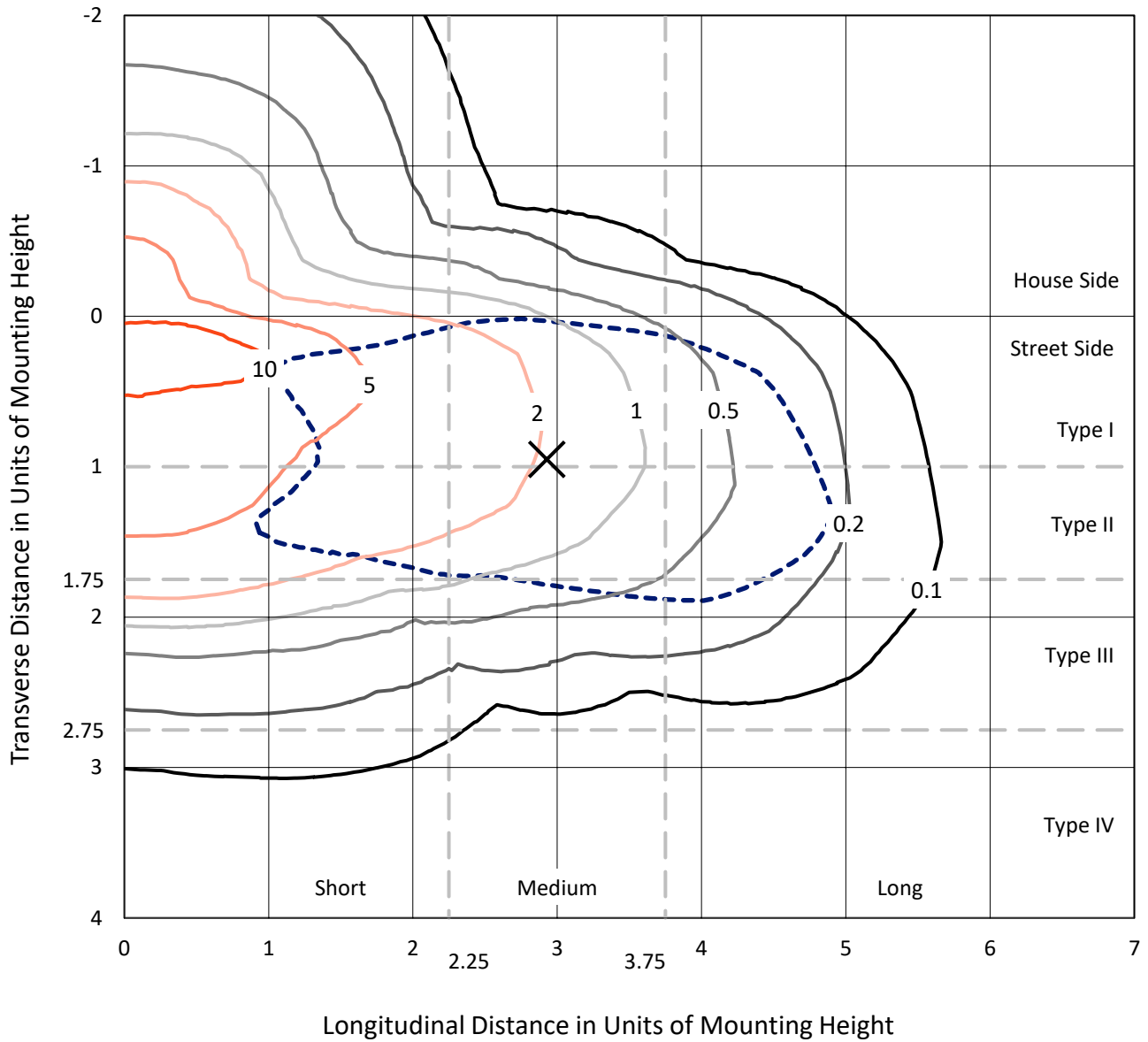
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P386143
 CATALOG NUMBER: GWC-SA1D-730-U-T2

Iso-Footcandle Lines of Horizontal Illumination

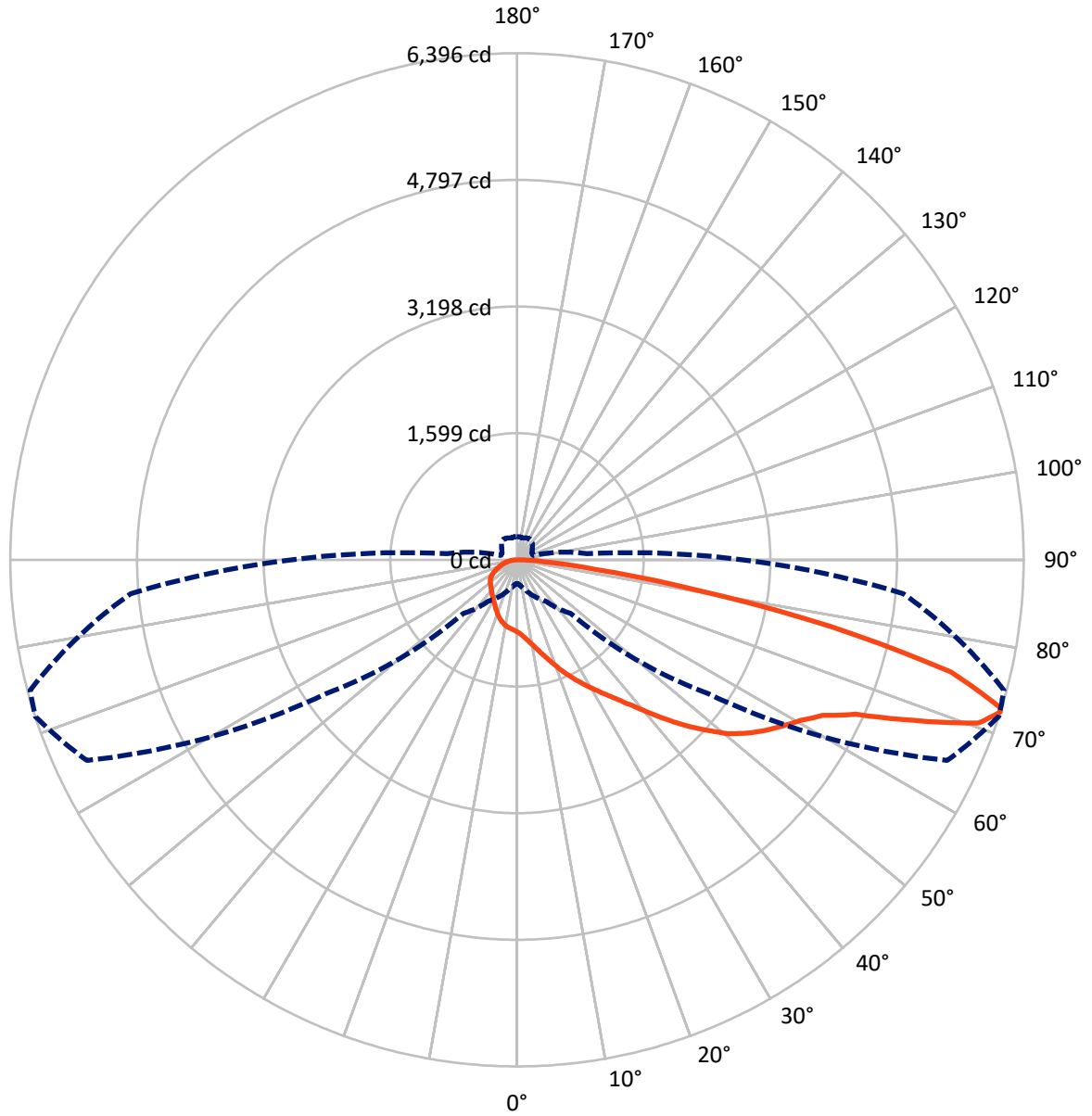
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.6 fc
 Type III - Medium - N/A

REPORT NUMBER: P386143
CATALOG NUMBER: GWC-SA1D-730-U-T2

Luminous Intensity Polar Plot



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



REPORT NUMBER: P386143

CATALOG NUMBER: GWC-SA1D-730-U-T2

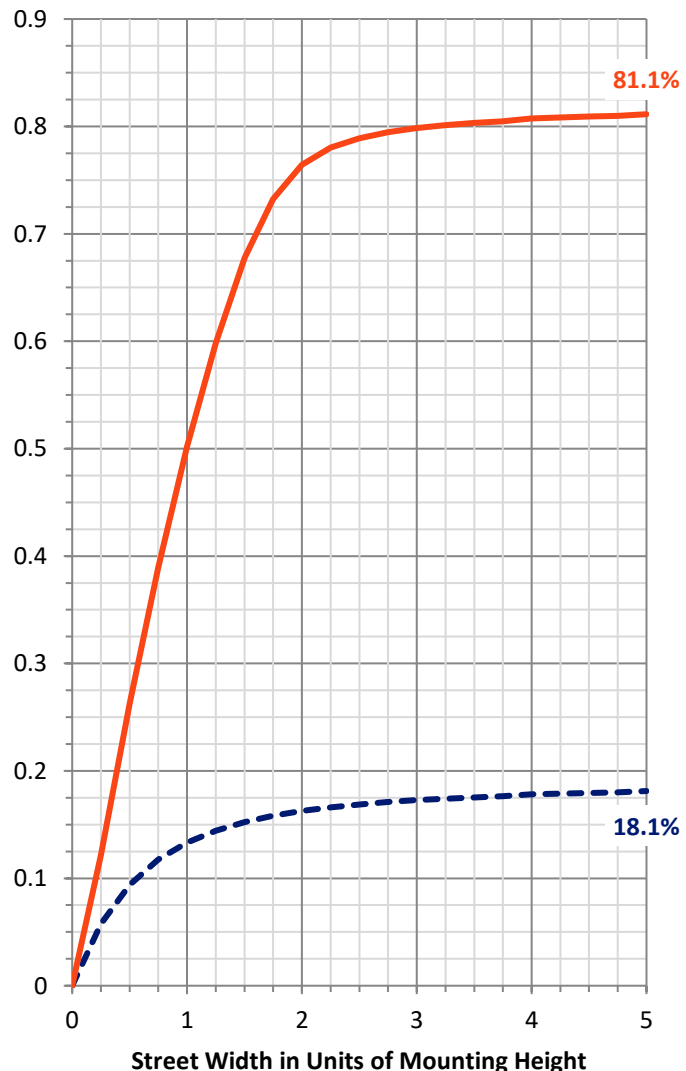
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1373.7	0.0	1373.7
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	6031.3	0.0	6031.3
	% Fixture	81.4	0.0	81.4
Total	Lumens	7405.0	0.0	7405.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.3	1.2
10°-20°	295.0	4.0
20°-30°	516.9	7.0
30°-40°	766.4	10.4
40°-50°	1121.0	15.1
50°-60°	1542.4	20.8
60°-70°	1717.2	23.2
70°-80°	1163.6	15.7
80°-90°	191.2	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°	7405.0	100.0
0°-180°	7405.0	100.0

Coefficient of Utilization



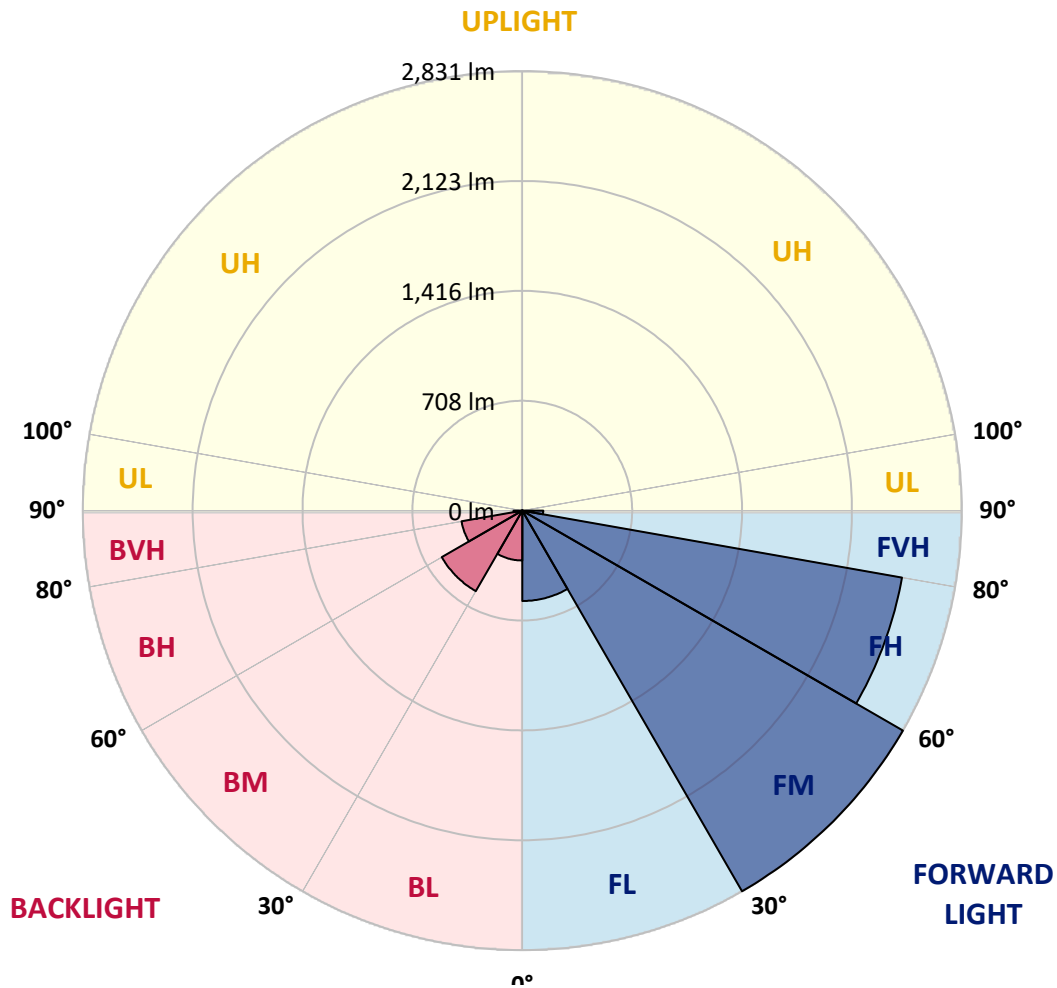
REPORT NUMBER: P386143

CATALOG NUMBER: GWC-SA1D-730-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	582.1	7.9			
FM (30°-60°)	2831.0	38.2			
FH (60°-80°)	2483.3	33.5			G2/5000
FVH (80°-90°)	134.9	1.8			G2/225
BL (0°-30°)	321.1	4.3	B1/500		
BM (30°-60°)	598.8	8.1	B1/1000		
BH (60°-80°)	397.4	5.4	B1/500		G1/500
BVH (80°-90°)	56.3	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





REPORT NUMBER: P386143

CATALOG NUMBER: GWC-SA1D-730-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	911.0	911.0	911.0	911.0	911.0	911.0	911.0	911.0	911.0	911.0	911.0
2.5°	1006.4	1004.8	999.5	999.5	989.3	980.6	964.3	953.3	940.3	935.7	920.4
5°	1103.8	1104.3	1097.6	1093.1	1078.0	1059.7	1031.9	1006.6	981.4	971.2	939.8
7.5°	1185.6	1184.6	1182.8	1179.0	1165.0	1146.1	1108.6	1071.1	1033.9	1018.6	964.6
10°	1238.1	1240.4	1242.0	1243.7	1237.9	1224.4	1188.9	1143.3	1094.6	1073.7	994.1
12.5°	1264.7	1268.7	1275.9	1288.1	1297.8	1296.3	1270.5	1222.1	1164.2	1137.9	1031.1
15°	1280.2	1285.6	1296.8	1318.7	1346.0	1361.5	1354.7	1310.8	1246.3	1213.9	1076.2
17.5°	1289.9	1294.2	1311.6	1340.9	1381.4	1422.7	1440.8	1404.1	1339.1	1302.1	1128.0
20°	1296.5	1299.8	1321.5	1355.9	1408.5	1474.2	1524.7	1515.5	1441.3	1393.4	1182.0
22.5°	1311.3	1314.1	1334.8	1369.4	1427.6	1512.5	1605.5	1619.3	1549.2	1494.9	1239.9
25°	1352.6	1352.6	1370.0	1394.2	1448.7	1545.6	1673.9	1734.8	1659.3	1596.1	1293.5
27.5°	1431.4	1430.6	1437.0	1445.4	1486.7	1579.3	1734.8	1836.8	1773.6	1704.5	1345.5
30°	1524.7	1529.8	1530.6	1526.5	1545.9	1621.4	1791.2	1944.4	1888.6	1814.1	1398.8
32.5°	1644.8	1648.1	1644.3	1630.8	1628.0	1681.0	1846.5	2057.1	2013.0	1928.6	1447.5
35°	1797.3	1790.9	1778.9	1751.4	1725.1	1760.8	1909.7	2169.8	2152.7	2067.0	1514.5
37.5°	1960.7	1961.0	1946.2	1883.7	1847.5	1862.8	1996.9	2297.5	2321.8	2231.8	1600.4
40°	2091.8	2098.7	2107.8	2025.7	1978.8	2000.0	2107.8	2445.7	2521.7	2427.1	1712.4
42.5°	2183.3	2191.2	2217.2	2165.7	2117.0	2156.3	2238.4	2603.8	2746.0	2652.5	1843.4
45°	2280.2	2284.5	2302.9	2280.7	2249.6	2338.1	2385.5	2767.4	2983.4	2892.6	1990.0
47.5°	2382.2	2386.8	2405.6	2390.9	2374.5	2507.9	2539.0	2921.7	3210.8	3156.5	2146.6
50°	2508.1	2511.2	2529.0	2502.3	2507.4	2635.9	2676.2	3063.2	3449.2	3393.7	2303.7
52.5°	2680.0	2680.8	2705.5	2681.3	2657.3	2729.7	2794.2	3196.6	3636.1	3609.9	2460.7
55°	2814.6	2822.8	2903.9	2898.8	2885.0	2814.9	2892.9	3323.5	3802.9	3815.4	2627.5
57.5°	2728.7	2760.6	2924.8	3040.5	3153.2	3026.8	3026.2	3466.6	3957.9	4017.1	2810.8
60°	2389.8	2433.2	2675.1	2931.9	3284.5	3395.4	3303.1	3641.2	4114.5	4217.0	3040.5
62.5°	1706.8	1778.2	2106.1	2516.0	3104.5	3639.7	3866.6	3918.4	4327.4	4448.5	3339.1
65°	862.8	916.9	1191.7	1685.6	2480.3	3480.1	4479.1	4525.2	4697.3	4804.9	3798.8
67.5°	524.2	544.6	678.7	937.5	1520.6	2710.8	4679.0	5536.7	5413.3	5470.4	4454.3
70°	386.3	401.3	485.0	622.6	874.5	1590.8	4065.5	6258.5	6177.4	6171.0	4938.8
72°	300.9	311.8	385.8	503.1	639.5	954.4	2946.7	5992.1	6396.2	6364.1	4894.4
72.5°	285.3	295.0	362.3	473.5	604.3	865.1	2649.4	5812.3	6380.4	6365.8	4837.0
75°	224.6	231.5	268.2	366.1	473.0	490.8	1451.8	4504.3	5660.1	5895.4	4350.6
77.5°	185.9	186.9	206.3	266.4	368.7	347.0	713.2	3125.2	4053.0	4311.8	3081.8
80°	151.5	152.7	161.9	186.9	278.9	256.8	338.6	1797.0	2269.2	2272.0	1465.6
82.5°	120.6	120.9	131.1	136.7	200.4	183.6	194.0	843.7	991.6	953.8	526.8
85°	84.9	83.1	128.0	112.2	131.1	117.8	107.1	334.0	410.0	392.1	165.0
87.5°	28.3	29.3	56.9	72.7	76.5	66.8	47.7	128.0	154.8	153.5	52.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P386143
 CATALOG NUMBER: GWC-SA1D-730-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	911.0	911.0	911.0	911.0	911.0	911.0	911.0	911.0	911.0	911.0	911.0
2.5°	915.6	907.4	895.5	882.2	871.7	861.0	853.1	849.1	844.5	840.6	845.2
5°	925.3	910.0	884.5	859.5	841.1	824.8	813.1	807.0	801.4	797.5	798.1
7.5°	941.1	916.4	873.5	837.1	811.6	794.0	782.0	777.9	774.3	773.3	774.6
10°	957.9	921.5	859.0	810.5	781.5	767.0	761.6	764.4	767.0	769.2	771.8
12.5°	977.0	926.1	837.8	779.4	754.7	749.1	754.5	766.7	775.6	781.0	784.3
15°	1002.0	930.1	813.4	748.3	731.8	738.1	756.2	777.4	793.0	802.9	804.4
17.5°	1025.0	929.9	782.0	717.0	713.2	731.8	759.0	788.9	809.8	823.8	826.6
20°	1048.7	923.0	745.5	686.4	694.3	724.9	760.3	796.3	821.5	837.8	841.7
22.5°	1070.9	911.0	705.5	658.6	678.5	715.7	755.5	791.9	817.2	830.4	834.5
25°	1085.9	890.1	665.0	635.1	664.5	704.5	739.7	769.0	787.9	794.5	795.5
27.5°	1093.6	862.8	626.7	614.7	649.9	686.1	710.3	724.9	730.2	729.7	728.7
30°	1094.6	826.9	593.8	598.2	633.1	659.1	670.6	667.8	660.9	649.2	650.2
32.5°	1091.3	786.3	566.3	582.4	611.7	626.2	626.7	613.2	594.8	576.2	571.1
35°	1092.3	746.6	542.1	564.5	585.7	592.0	586.2	566.3	541.3	517.3	512.2
37.5°	1103.5	711.9	521.2	543.9	556.9	558.4	550.0	529.1	510.7	487.2	485.2
40°	1130.3	687.1	501.3	520.6	528.0	528.8	516.8	502.0	503.6	491.1	490.8
42.5°	1178.5	676.4	483.7	496.4	501.0	502.5	493.4	483.9	497.2	489.0	486.2
45°	1240.7	679.0	468.9	472.7	481.1	488.3	482.7	471.2	476.3	440.8	429.1
47.5°	1312.6	695.3	457.2	452.3	466.9	480.4	471.7	454.4	436.3	401.1	394.4
50°	1396.7	720.5	446.5	432.2	451.3	469.7	461.0	436.3	409.0	391.9	389.6
52.5°	1484.4	751.4	435.7	410.0	431.7	461.5	457.2	432.2	398.5	381.7	378.6
55°	1583.9	782.5	422.2	384.2	410.5	457.7	455.4	417.4	390.6	381.2	378.9
57.5°	1707.5	817.9	404.4	357.5	390.6	443.9	436.8	408.5	382.5	375.3	374.6
60°	1868.7	870.2	378.6	328.9	366.4	422.7	421.2	395.5	369.5	364.4	363.3
62.5°	2110.4	956.6	343.2	300.4	339.4	386.8	400.8	377.9	355.7	355.4	355.9
65°	2485.2	1086.7	304.7	275.4	312.1	356.4	377.1	359.8	341.7	346.8	347.5
67.5°	2919.7	1194.5	267.0	250.9	284.3	327.6	355.7	341.7	323.0	336.3	336.6
70°	3064.2	1098.2	233.8	226.7	255.5	299.8	332.5	321.8	302.9	316.2	314.9
72°	2851.6	886.5	212.4	208.3	233.8	276.9	311.8	303.2	284.5	293.5	290.2
72.5°	2784.5	845.2	207.0	203.7	227.9	271.0	306.5	298.6	280.0	287.6	284.5
75°	2483.9	734.1	178.0	178.7	198.9	242.5	276.4	273.8	254.7	255.5	254.5
77.5°	1801.6	538.2	149.9	155.0	169.3	213.2	246.0	244.5	223.6	219.8	219.0
80°	836.0	274.6	122.1	124.4	139.2	178.2	209.8	207.8	191.0	186.1	183.3
82.5°	286.3	130.5	91.8	93.3	107.9	143.5	182.0	180.8	166.8	157.3	151.5
85°	102.2	65.0	64.3	62.7	77.0	113.0	158.6	151.7	131.1	111.7	111.2
87.5°	33.1	27.8	33.1	32.9	44.9	76.5	115.2	98.2	95.1	79.0	77.5
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





--- HS — SS

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



u

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)