

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: P385479

Luminaire Tested: **GWC-SA1A-730-U-T4FT**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385479  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)  
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-T4FT  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV FORWARD  
THROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4559 lumens  
Efficiency: N/A  
Efficacy: 134.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

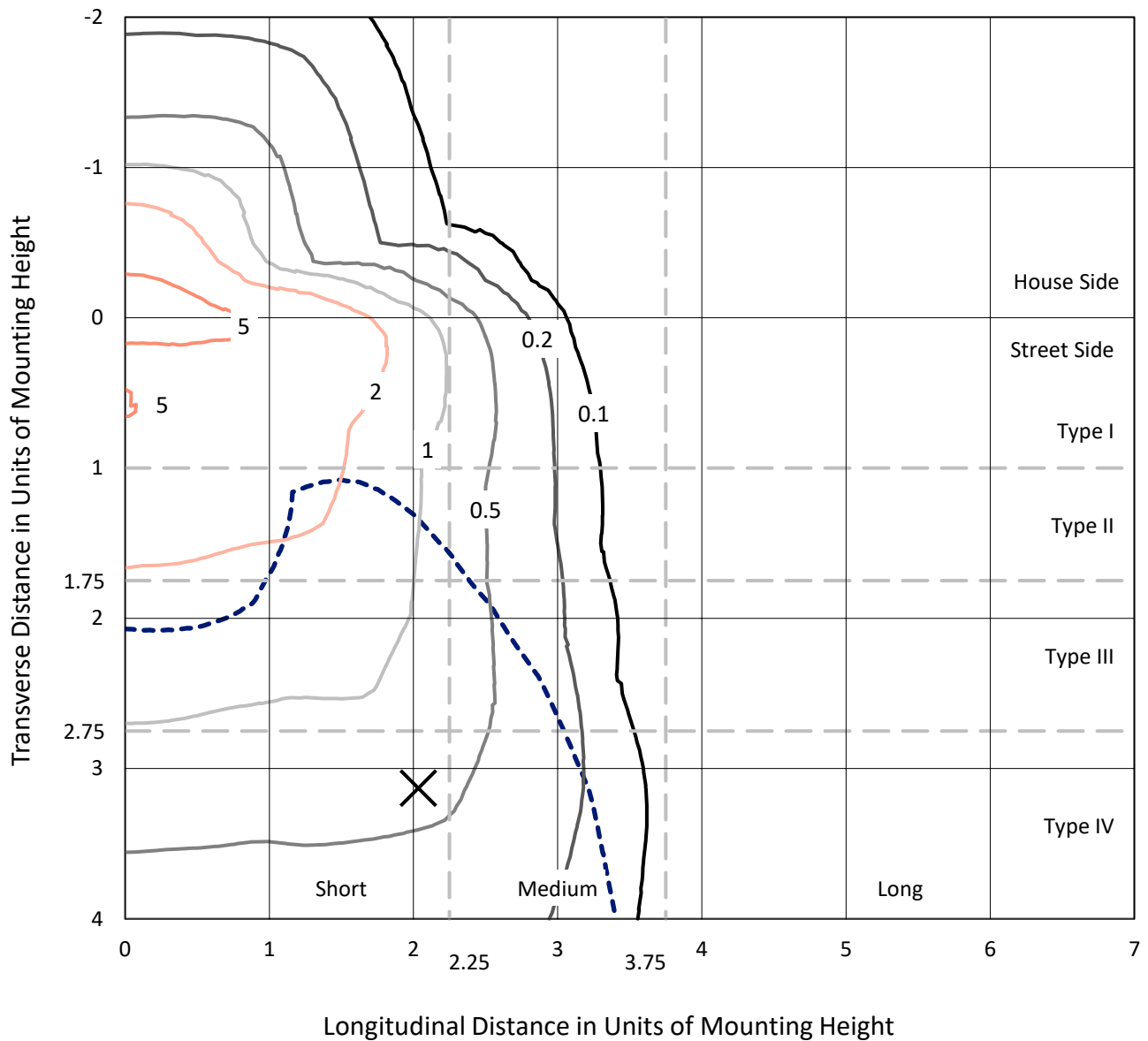
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P385479  
 CATALOG NUMBER: GWC-SA1A-730-U-T4FT

### Iso-Footcandle Lines of Horizontal Illumination

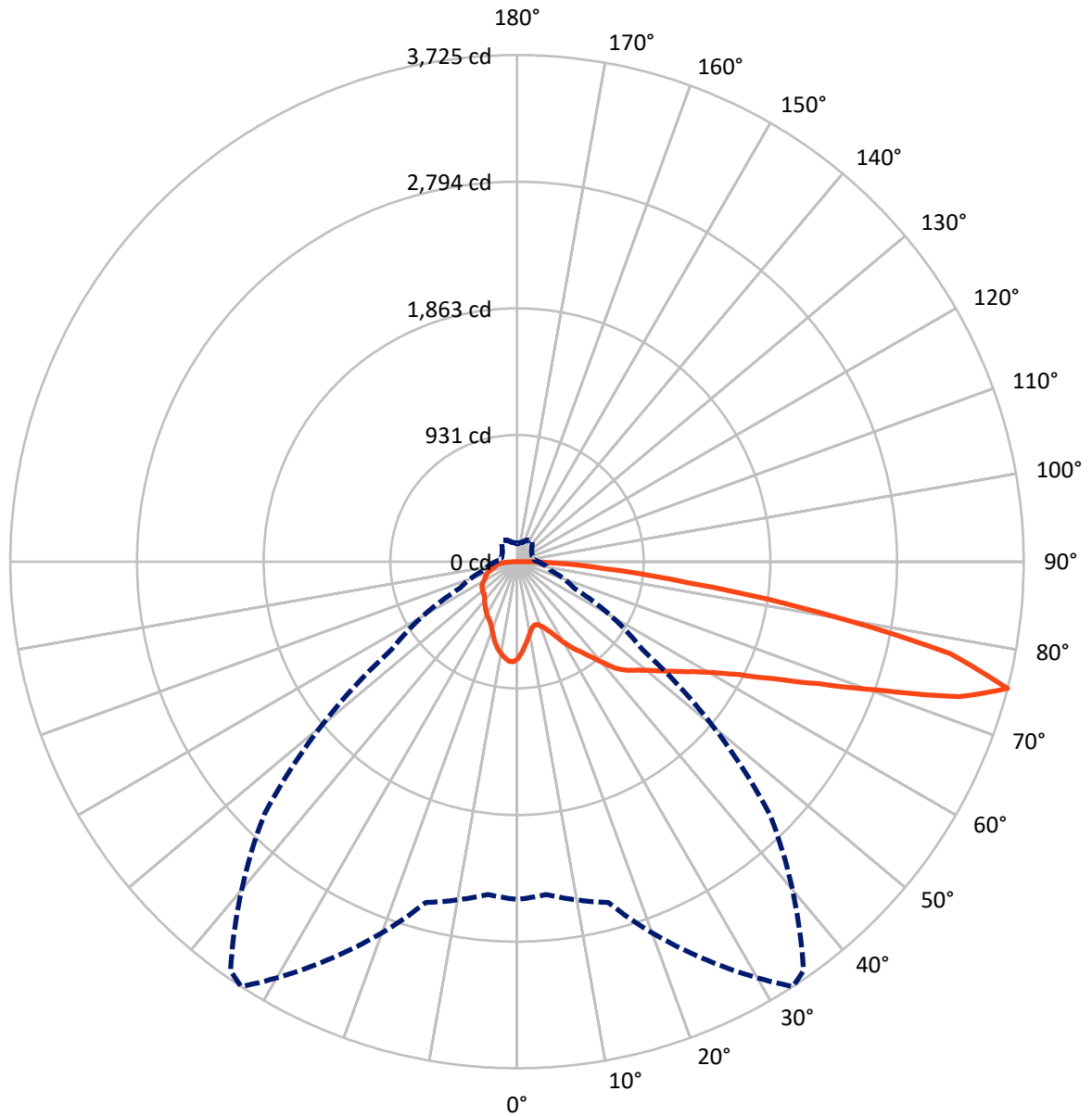
✕ Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P385479  
CATALOG NUMBER: GWC-SA1A-730-U-T4FT

### Luminous Intensity Polar Plot



— Vertical Plane Through 33-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical



REPORT NUMBER: P385479  
 CATALOG NUMBER: GWC-SA1A-730-U-T4FT

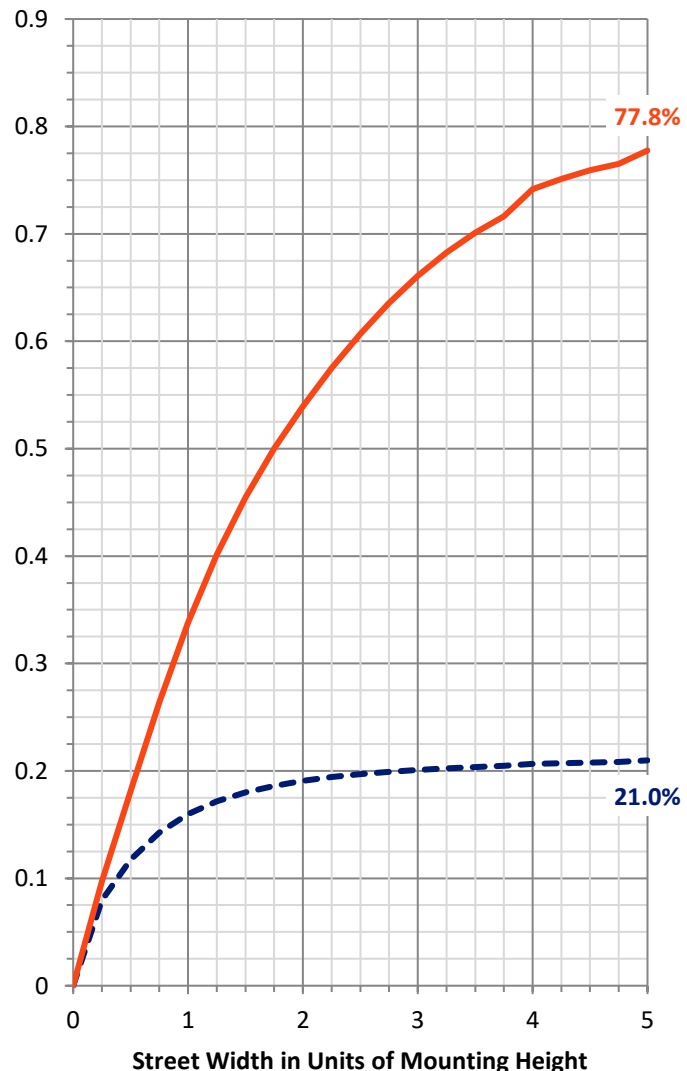
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	978.9	0.0	978.9
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	3580.1	0.0	3580.1
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	4559.0	0.0	4559.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.4	1.4
10°-20°	174.5	3.8
20°-30°	285.1	6.3
30°-40°	424.5	9.3
40°-50°	608.9	13.4
50°-60°	835.9	18.3
60°-70°	1046.5	23.0
70°-80°	946.7	20.8
80°-90°	172.5	3.8
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°	4559.0	100.0
0°-180°	4559.0	100.0



REPORT NUMBER: P385479

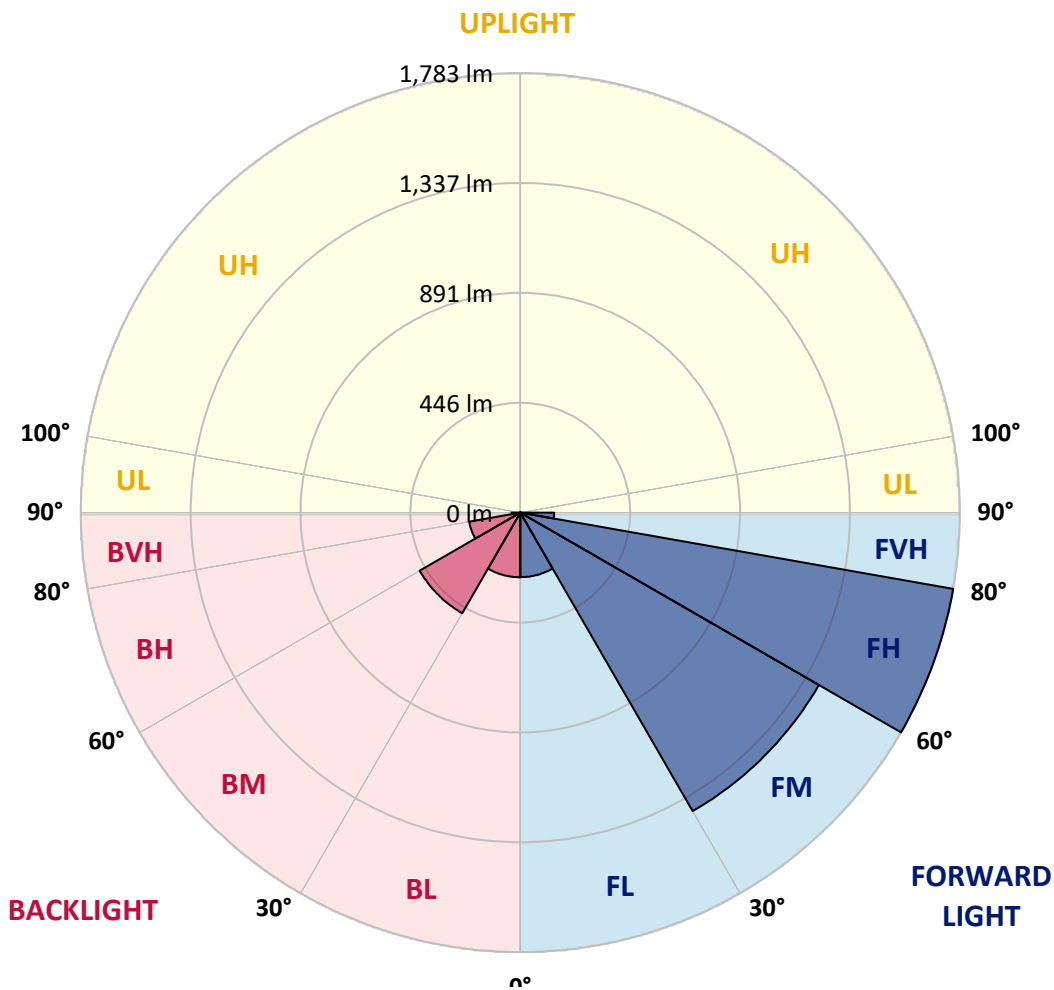
CATALOG NUMBER: GWC-SA1A-730-U-T4FT

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	261.8	5.7			
FM (30°-60°)	1398.1	30.7			
FH (60°-80°)	1782.7	39.1			G1/1800
FVH (80°-90°)	137.3	3.0			G2/225
BL (0°-30°)	262.2	5.8	B1/500		
BM (30°-60°)	471.1	10.3	B1/1000		
BH (60°-80°)	210.5	4.6	B1/500		G1/500
BVH (80°-90°)	35.1	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 IV Short





REPORT NUMBER: P385479

CATALOG NUMBER: GWC-SA1A-730-U-T4FT

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	712.6	712.6	712.6	712.6	712.6	712.6	712.6	712.6	712.6	712.6	712.6
2.5°	661.7	659.2	663.9	664.6	668.7	670.2	675.9	684.7	692.0	700.3	707.9
5°	601.7	600.0	606.6	611.3	620.3	624.1	637.5	656.2	672.9	691.8	709.0
7.5°	544.7	543.8	551.2	561.9	572.3	577.5	600.6	627.9	655.7	686.3	712.6
10°	496.7	496.4	503.5	514.0	529.3	535.1	565.0	600.9	640.0	682.0	718.7
12.5°	469.8	470.9	474.2	483.0	497.2	503.0	536.2	578.4	626.8	680.6	727.7
15°	476.4	478.1	472.4	472.1	482.2	486.8	518.0	562.4	617.3	683.0	740.8
17.5°	504.6	504.9	489.9	480.5	486.6	489.0	512.3	553.2	611.8	688.3	757.2
20°	544.3	543.5	517.0	501.3	504.6	505.2	520.3	553.4	611.3	697.6	778.4
22.5°	596.8	591.0	555.4	534.0	533.2	532.3	540.9	565.0	618.3	712.8	803.8
25°	665.5	660.0	611.0	581.7	575.4	573.1	574.3	589.9	632.0	729.0	832.1
27.5°	741.9	732.3	685.0	643.6	630.6	627.2	619.7	625.0	646.9	744.6	865.8
30°	805.8	800.6	759.4	710.2	694.8	690.1	670.2	664.4	668.5	765.8	908.3
32.5°	841.6	838.1	813.1	773.4	759.1	752.4	724.4	712.8	703.1	799.4	966.0
35°	884.9	882.7	867.6	838.7	817.5	810.5	788.8	776.7	752.0	845.5	1040.5
37.5°	940.0	937.6	938.0	914.6	889.3	882.8	868.5	855.7	815.3	906.1	1121.4
40°	1002.4	997.8	996.1	995.0	978.9	975.3	967.7	950.4	894.6	978.6	1201.3
42.5°	1096.2	1080.0	1045.4	1058.4	1074.3	1072.4	1078.6	1053.7	982.8	1064.3	1279.2
45°	1186.8	1160.2	1100.3	1103.1	1138.0	1148.5	1194.5	1176.8	1078.4	1158.1	1359.8
47.5°	1228.0	1207.9	1157.0	1157.2	1191.7	1213.5	1314.3	1301.7	1178.9	1264.7	1458.3
50°	1274.2	1254.0	1208.3	1225.5	1255.6	1278.9	1430.1	1423.6	1274.5	1381.4	1576.2
52.5°	1324.6	1290.4	1261.4	1292.1	1334.3	1361.4	1546.0	1528.3	1362.2	1498.9	1711.8
55°	1325.2	1315.9	1338.0	1360.5	1423.6	1456.8	1667.4	1620.8	1433.7	1614.3	1822.2
57.5°	1400.6	1385.5	1432.3	1442.7	1525.2	1562.7	1788.2	1701.3	1506.5	1702.8	1881.7
60°	1500.5	1487.6	1525.8	1553.2	1650.9	1700.9	1917.2	1783.9	1563.6	1769.6	1878.9
62.5°	1672.9	1658.3	1657.8	1696.2	1827.7	1886.0	2061.9	1865.0	1586.3	1782.8	1798.7
65°	1925.4	1902.0	1858.1	1876.4	2072.0	2130.1	2223.6	1923.8	1556.4	1712.0	1592.3
67.5°	2171.0	2170.2	2116.2	2153.7	2394.5	2441.1	2407.9	1929.6	1463.0	1465.2	1226.0
70°	2415.9	2419.1	2409.9	2540.3	2830.2	2878.7	2604.1	1851.3	1253.1	1058.1	734.5
72.5°	2609.9	2609.1	2655.1	2991.3	3395.7	3384.9	2769.4	1614.2	899.7	571.2	351.0
75°	2484.2	2456.8	2593.9	3214.6	3725.3	3672.3	2628.8	1126.0	466.9	260.0	189.0
77.5°	1620.3	1646.3	1847.4	2655.6	3258.6	3194.0	1928.7	525.4	220.0	170.6	137.0
80°	586.8	614.2	865.0	1504.2	2245.0	2234.5	949.8	215.9	148.8	128.8	99.8
82.5°	201.9	212.0	341.3	668.0	1267.6	1314.8	357.3	122.7	108.2	91.3	68.3
85°	79.2	90.7	156.1	321.4	639.4	644.1	144.7	73.4	75.3	59.8	37.5
87.5°	30.1	36.5	74.6	149.3	292.0	268.2	51.8	35.0	42.8	35.6	17.8
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: P385479  
 CATALOG NUMBER: GWC-SA1A-730-U-T4FT

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	712.6	712.6	712.6	712.6	712.6	712.6	712.6	712.6	712.6	712.6	712.6
2.5°	713.7	717.0	723.9	728.7	733.7	735.1	735.7	737.0	738.3	737.8	738.0
5°	718.1	724.6	735.7	740.5	742.7	740.2	735.3	731.3	728.5	726.9	726.5
7.5°	725.4	734.5	746.5	745.7	740.6	729.4	716.8	707.4	699.5	696.7	695.1
10°	735.0	745.7	754.0	745.0	730.4	711.0	692.1	677.5	665.7	661.1	660.3
12.5°	747.2	758.1	759.7	740.6	716.4	689.9	664.3	644.9	627.2	621.6	620.3
15°	763.1	773.4	763.6	732.9	699.1	663.5	630.2	603.9	585.4	578.4	575.9
17.5°	779.8	789.6	764.4	720.2	676.4	632.1	590.4	563.5	542.2	534.2	533.2
20°	799.8	804.3	761.1	701.9	645.2	591.5	547.6	522.2	510.9	505.2	504.6
22.5°	824.6	819.8	753.5	677.2	605.7	544.6	508.8	497.0	494.2	492.9	493.4
25°	850.7	836.2	742.4	644.9	555.7	497.6	480.5	483.8	487.6	487.1	487.1
27.5°	879.5	852.9	725.2	602.0	500.5	459.2	461.3	473.4	479.1	478.9	478.7
30°	916.5	871.8	703.3	550.6	448.8	432.1	444.6	459.4	467.1	466.8	466.9
32.5°	962.0	892.6	673.5	493.1	411.5	412.1	426.5	441.1	450.1	449.3	449.4
35°	1015.3	915.9	633.2	436.4	386.8	396.2	407.6	417.8	426.3	425.2	424.1
37.5°	1073.2	938.7	579.7	385.7	366.6	381.4	390.9	392.6	396.5	393.7	391.7
40°	1128.3	956.2	510.7	344.1	346.3	368.8	375.0	368.0	360.9	360.0	357.2
42.5°	1176.4	962.0	440.9	310.9	324.9	355.6	359.4	344.9	332.1	326.1	323.6
45°	1227.1	964.1	375.9	283.0	304.3	343.8	347.9	328.5	310.6	297.6	293.4
47.5°	1293.4	978.9	325.4	262.4	288.5	335.9	341.7	315.4	292.1	273.7	269.8
50°	1380.2	1008.2	284.3	246.6	278.3	330.7	337.3	302.7	277.0	254.8	250.9
52.5°	1476.5	1035.1	251.0	233.9	268.3	321.6	331.7	293.5	262.8	237.3	233.1
55°	1543.9	1014.5	224.3	220.6	255.4	308.5	323.8	285.8	242.5	220.3	216.5
57.5°	1556.8	943.9	203.9	206.9	239.8	292.1	311.7	268.7	231.5	212.9	209.0
60°	1521.6	845.7	188.8	194.3	223.1	271.5	289.0	256.5	220.9	205.0	201.7
62.5°	1432.9	745.0	177.6	183.0	207.6	250.6	274.8	243.8	210.2	196.1	192.8
65°	1253.9	625.5	166.9	172.9	193.1	232.4	262.0	232.0	199.7	188.8	185.7
67.5°	946.5	468.5	156.9	162.2	180.2	216.7	248.2	220.3	189.4	182.5	178.7
70°	557.3	293.4	145.4	151.0	166.6	200.3	233.4	207.6	176.7	173.5	168.7
72.5°	259.4	176.5	132.3	137.8	149.6	178.4	214.3	190.9	161.6	154.6	148.0
75°	154.8	129.1	116.9	121.7	130.1	155.1	190.4	173.9	147.2	138.1	131.2
77.5°	115.7	98.7	99.8	105.0	111.8	135.7	168.7	160.5	136.2	129.1	124.4
80°	83.3	75.0	81.4	87.1	94.2	123.5	161.6	148.3	123.1	113.7	109.3
82.5°	55.6	53.9	61.3	67.1	74.0	108.0	151.8	129.9	105.2	93.2	83.5
85°	30.7	32.4	41.3	43.8	49.8	76.1	124.4	104.4	79.2	63.8	60.9
87.5°	12.8	15.0	22.2	21.4	26.5	45.4	81.9	63.0	50.4	37.6	29.3
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



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)