

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: P386379

Luminaire Tested: **GWC-SA2A-740-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P386379  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GWC-SA2A-740-U-5NQ  
Description: GALLEON WALL LUMINAIRE  
(2) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10033 lumens  
Efficiency: N/A  
Efficacy: 152.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

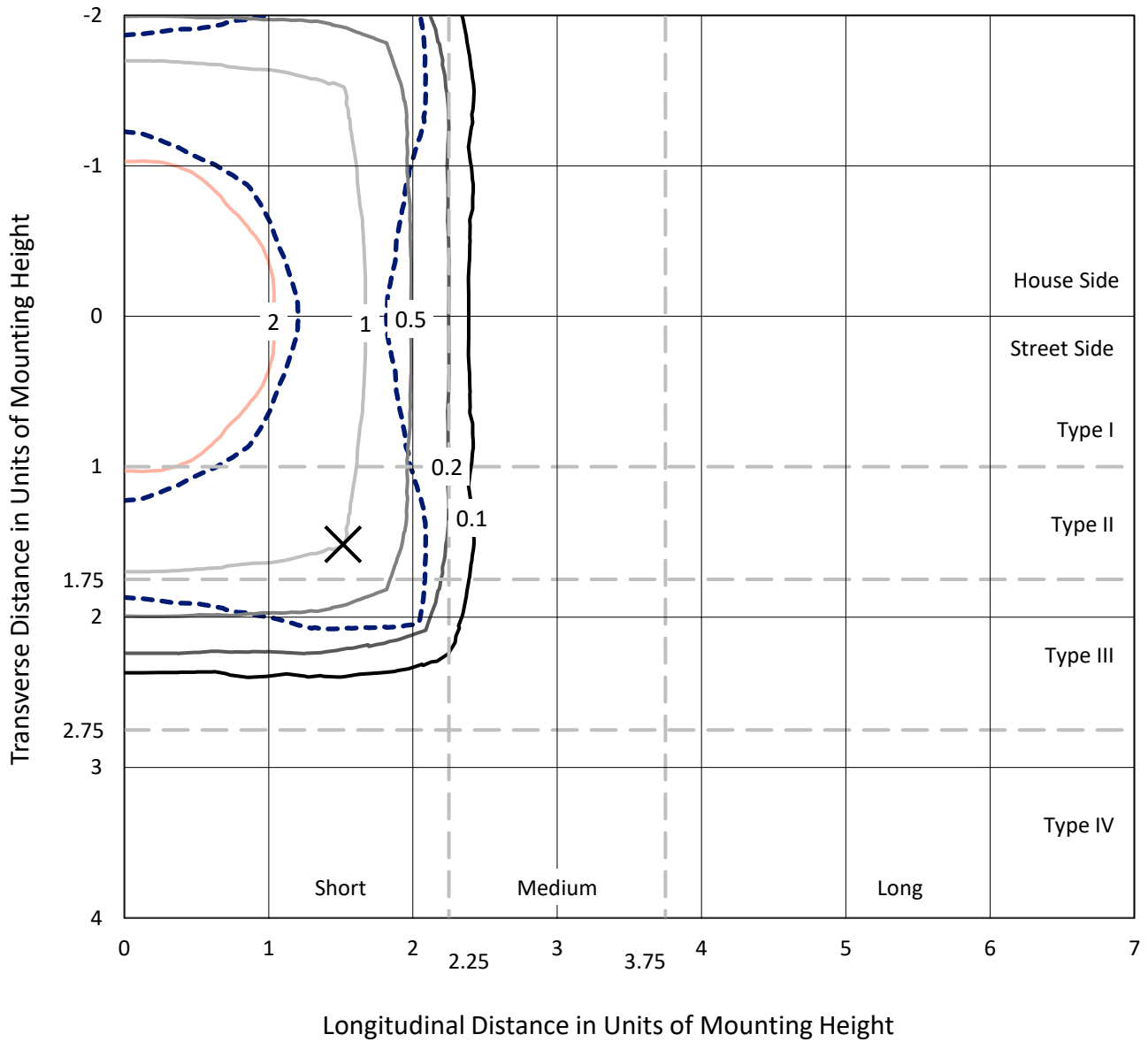
Input Watts (W): 66  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

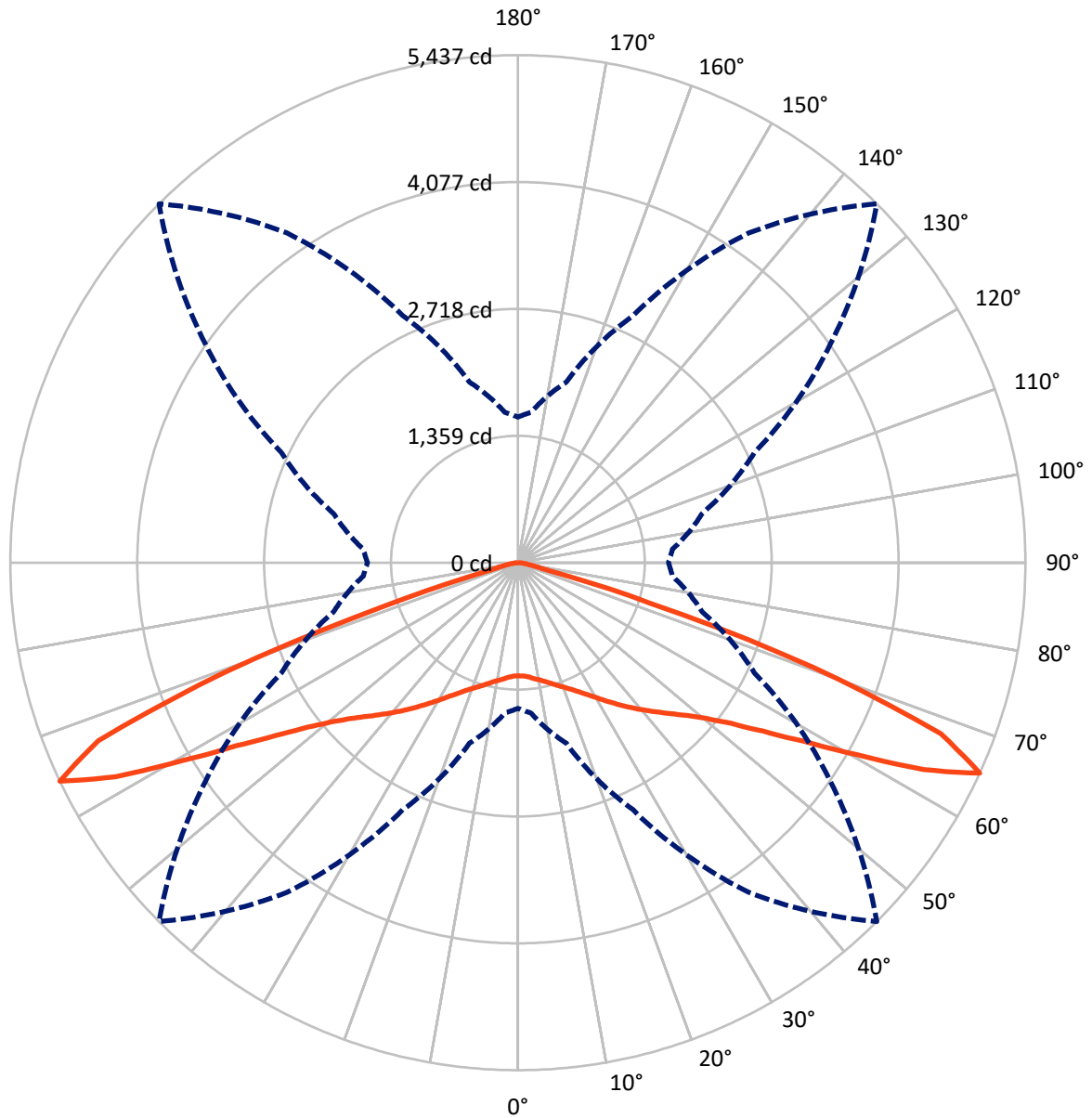
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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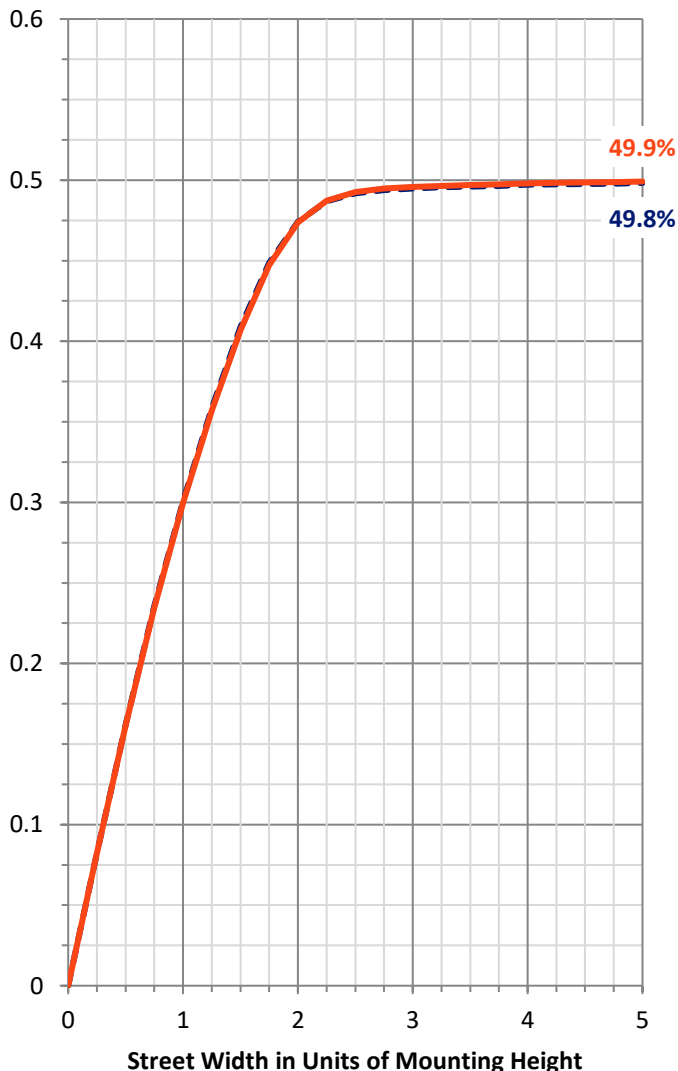
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5016.5	0.0	5016.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5016.5	0.0	5016.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10033.0	0.0	10033.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.9	1.2
10°-20°	382.1	3.8
20°-30°	716.9	7.1
30°-40°	1185.6	11.8
40°-50°	1836.3	18.3
50°-60°	2816.4	28.1
60°-70°	2628.0	26.2
70°-80°	305.9	3.0
80°-90°	43.0	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°	10033.0	100.0
0°-180°	10033.0	100.0

**Coefficient of Utilization**



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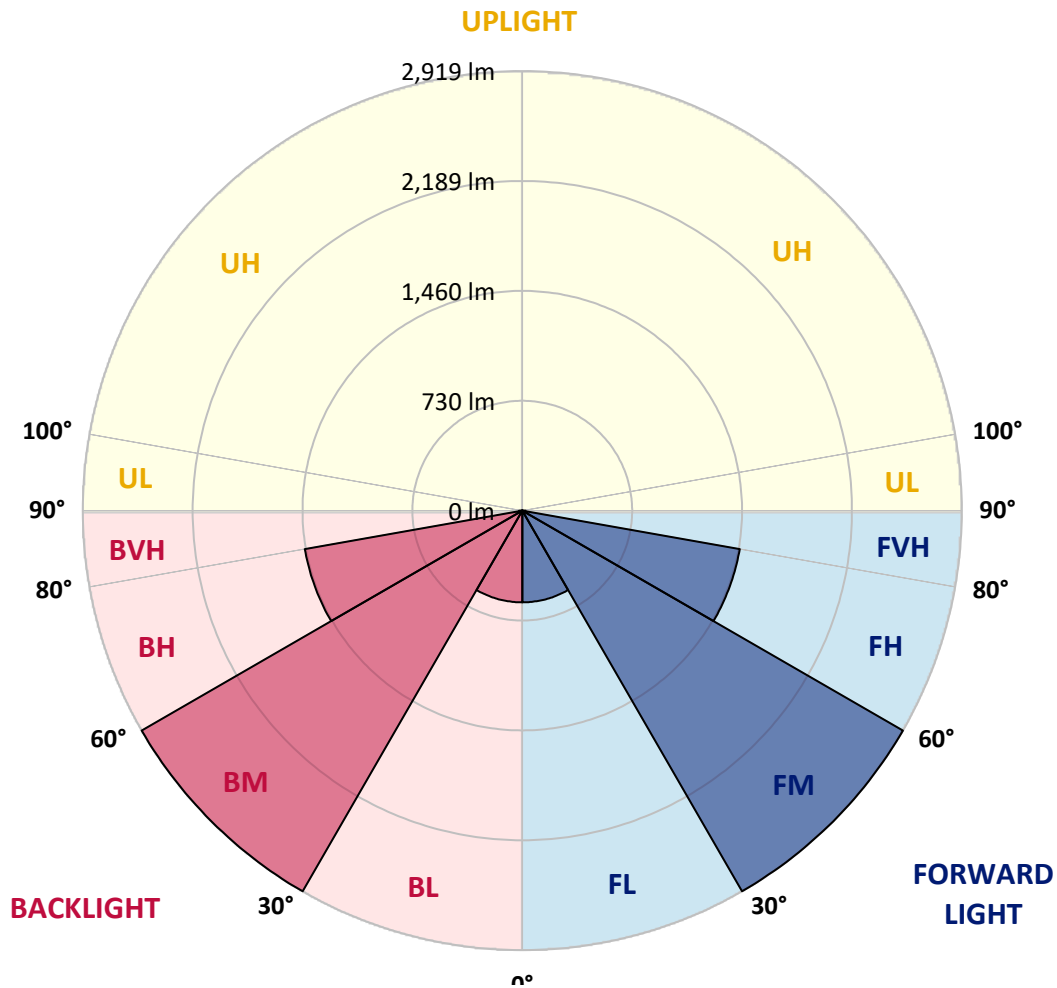
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	608.9	6.1			
FM (30°-60°)	2919.2	29.1			
FH (60°-80°)	1466.9	14.6			G1/1800
FVH (80°-90°)	21.5	0.2			G1/100
BL (0°-30°)	608.9	6.1	B2/1000		
BM (30°-60°)	2919.2	29.1	B3/5000		
BH (60°-80°)	1466.9	14.6	B3/2500		G1/1800
BVH (80°-90°)	21.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1211.6	1211.6	1211.6	1211.6	1211.6	1211.6	1211.6	1211.6	1211.6	1211.6	1211.6
2.5°	1215.6	1214.9	1215.6	1215.9	1213.9	1214.9	1214.6	1216.3	1216.9	1216.3	1216.3
5°	1229.6	1228.6	1229.9	1231.6	1228.9	1229.6	1228.6	1230.6	1231.3	1229.9	1230.9
7.5°	1248.9	1249.2	1250.6	1253.6	1251.9	1253.2	1251.2	1251.6	1251.2	1249.2	1249.6
10°	1269.9	1270.2	1272.6	1276.6	1277.2	1277.2	1275.9	1274.9	1273.6	1272.2	1272.6
12.5°	1295.2	1296.9	1298.5	1303.5	1303.5	1306.2	1305.5	1302.9	1300.5	1298.5	1298.5
15°	1329.5	1329.2	1331.2	1336.2	1338.5	1342.8	1342.8	1339.2	1336.2	1334.2	1333.5
17.5°	1365.5	1366.5	1367.8	1373.8	1377.5	1382.5	1383.1	1380.1	1378.1	1375.5	1373.8
20°	1407.4	1409.1	1414.4	1416.8	1420.1	1424.8	1426.4	1425.8	1423.8	1422.4	1422.8
22.5°	1456.4	1460.7	1464.1	1467.4	1471.4	1474.7	1476.4	1478.7	1476.7	1475.7	1475.0
25°	1515.7	1518.7	1525.3	1531.3	1534.0	1535.0	1537.0	1540.3	1540.0	1537.7	1537.7
27.5°	1583.0	1588.6	1596.9	1605.6	1605.6	1602.3	1608.9	1614.6	1612.6	1609.6	1605.6
30°	1664.6	1669.9	1679.5	1691.5	1685.5	1683.2	1692.2	1702.5	1699.5	1694.5	1693.9
32.5°	1752.5	1757.5	1770.1	1783.1	1775.5	1772.1	1781.8	1796.8	1791.4	1781.4	1775.5
35°	1847.7	1852.7	1870.7	1886.4	1873.4	1867.7	1875.7	1892.0	1882.7	1864.0	1859.4
37.5°	1951.3	1954.0	1977.3	1993.3	1984.3	1969.3	1979.3	1991.3	1983.3	1960.6	1951.6
40°	2058.9	2068.5	2095.5	2114.2	2098.5	2074.9	2091.5	2108.2	2096.2	2067.2	2051.9
42.5°	2184.4	2191.8	2227.7	2244.4	2219.1	2185.8	2208.4	2231.1	2219.1	2191.1	2177.8
45°	2315.0	2326.3	2369.3	2385.9	2349.3	2307.0	2334.6	2374.3	2373.3	2333.0	2319.0
47.5°	2457.2	2468.5	2519.8	2541.8	2502.2	2445.5	2484.5	2540.5	2536.5	2492.2	2480.8
50°	2621.4	2633.4	2697.3	2725.0	2688.0	2622.1	2680.7	2730.0	2722.6	2668.0	2669.0
52.5°	2827.5	2826.9	2906.5	2954.4	2916.5	2858.2	2912.1	2960.1	2929.8	2854.2	2851.9
55°	3008.0	3019.0	3117.6	3208.5	3206.2	3183.9	3205.5	3207.5	3120.9	3020.4	3008.0
57.5°	3126.6	3147.6	3286.5	3451.0	3574.2	3603.9	3561.9	3434.7	3231.9	3071.0	3051.3
60°	3053.7	3085.6	3303.8	3639.2	4002.2	4176.4	3939.6	3544.9	3145.6	2921.5	2894.8
62.5°	2561.4	2615.4	2934.8	3548.2	4370.5	4879.8	4213.3	3368.1	2802.6	2493.8	2448.2
65°	1560.0	1616.9	2001.9	2920.5	4310.9	5436.6	4088.4	2795.6	2045.6	1661.6	1612.3
67.5°	519.9	536.5	763.3	1614.3	3388.1	4884.7	3393.7	1673.5	890.2	590.2	572.8
70°	203.5	205.2	242.1	467.9	1599.9	3355.1	1765.5	476.3	253.1	200.2	204.5
72.5°	149.5	150.2	160.5	195.5	417.0	1478.0	432.0	196.5	156.2	140.2	140.2
75°	120.2	120.2	127.6	142.5	186.8	339.0	189.5	140.9	122.2	111.9	110.6
77.5°	94.9	96.9	102.6	112.2	126.6	163.2	131.2	111.6	98.6	88.9	86.9
80°	70.6	72.6	81.9	86.6	90.9	113.2	96.9	87.3	77.9	66.6	64.6
82.5°	46.3	48.3	59.9	62.6	61.6	73.9	65.3	64.3	57.3	43.0	41.0
85°	30.3	31.0	40.0	41.6	38.3	33.6	41.6	44.0	40.0	28.0	27.0
87.5°	14.3	14.3	20.3	19.0	17.3	14.0	19.0	22.3	22.6	13.7	13.3
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



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