

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: P386378

Luminaire Tested: **GWC-SA2A-735-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P386378  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GWC-SA2A-735-U-5MQ  
Description: GALLEON WALL LUMINAIRE  
(2) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9596.8 lumens  
Efficiency: N/A  
Efficacy: 145.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

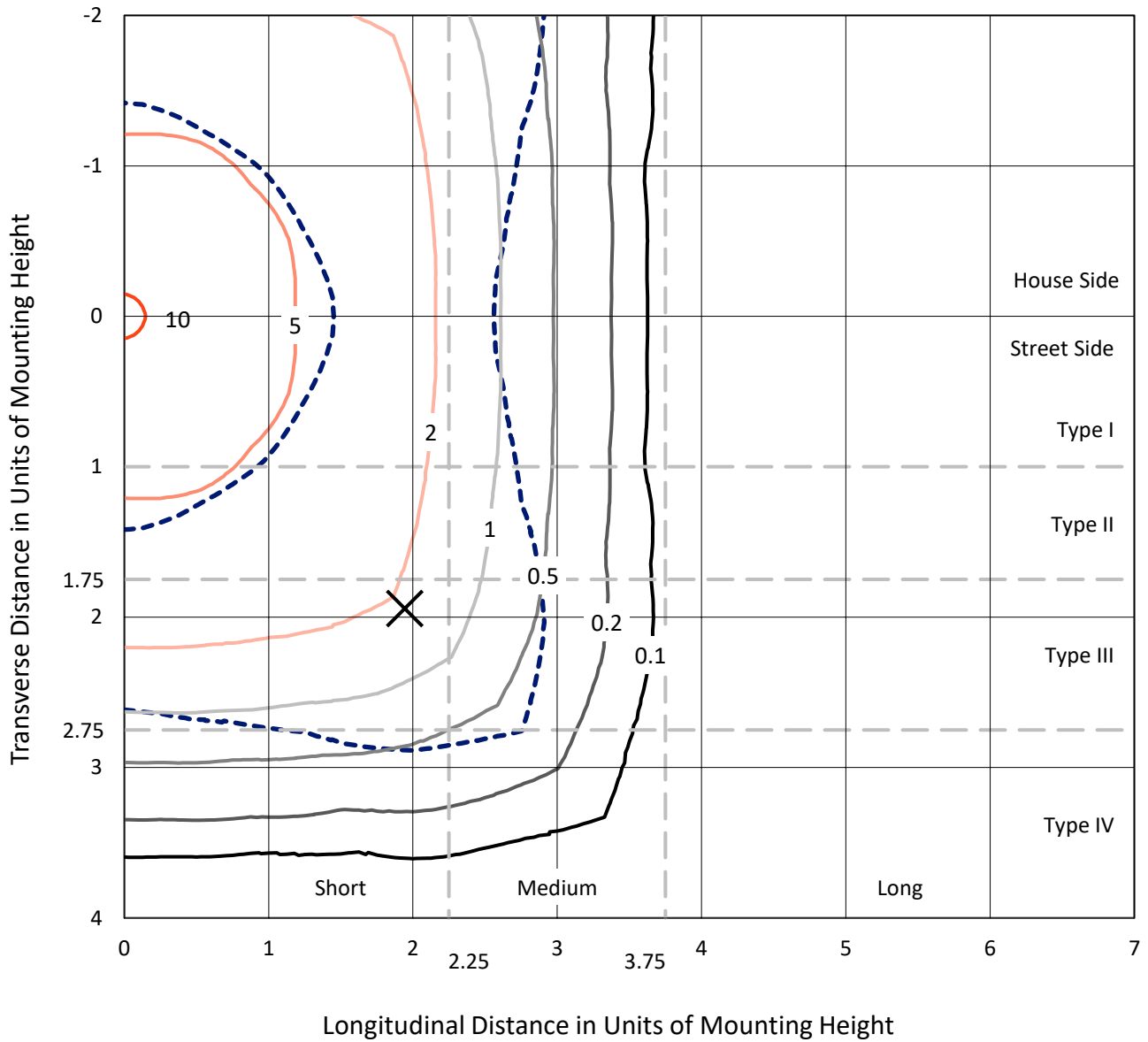
Input Watts (W): 66  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

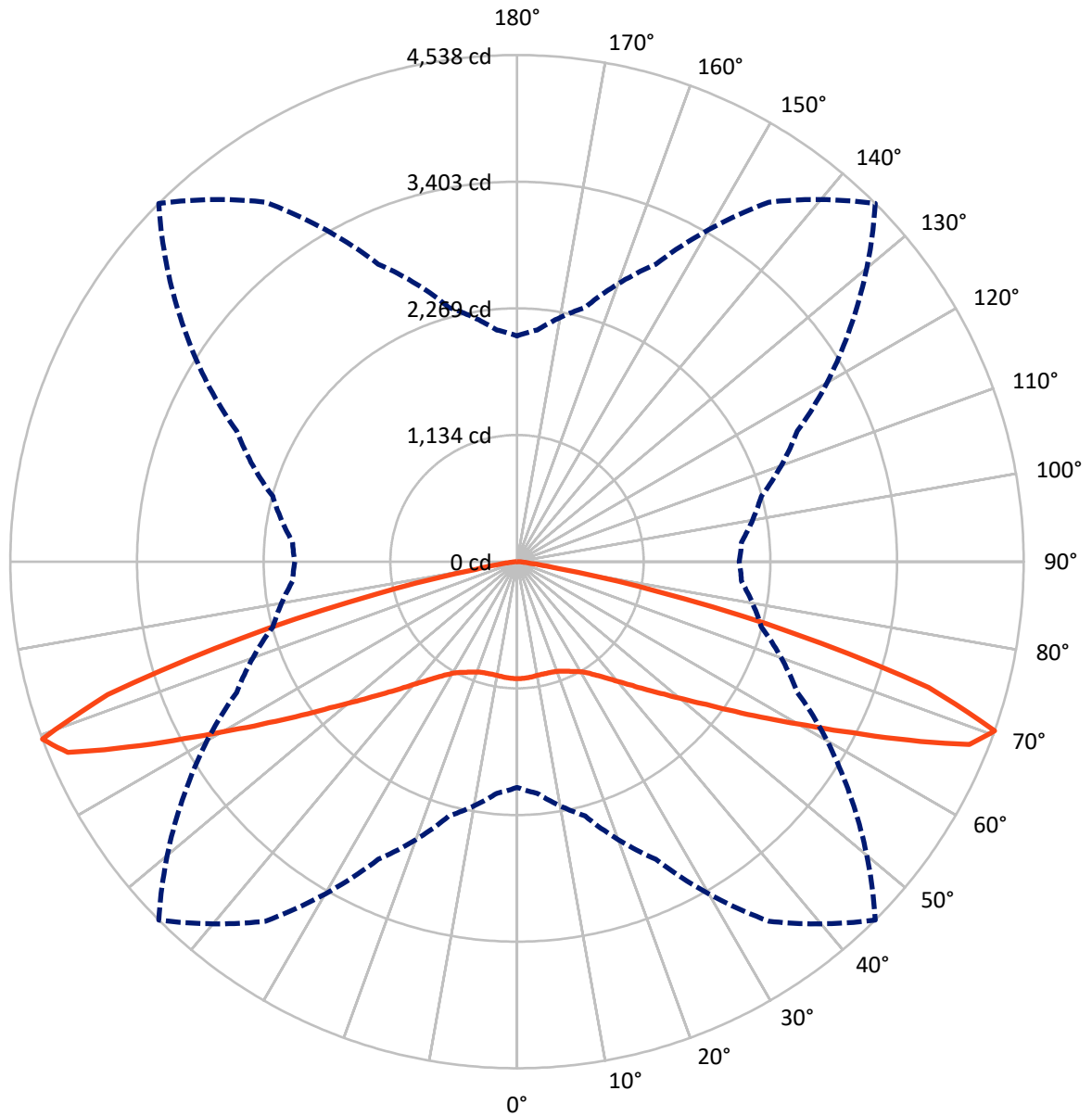
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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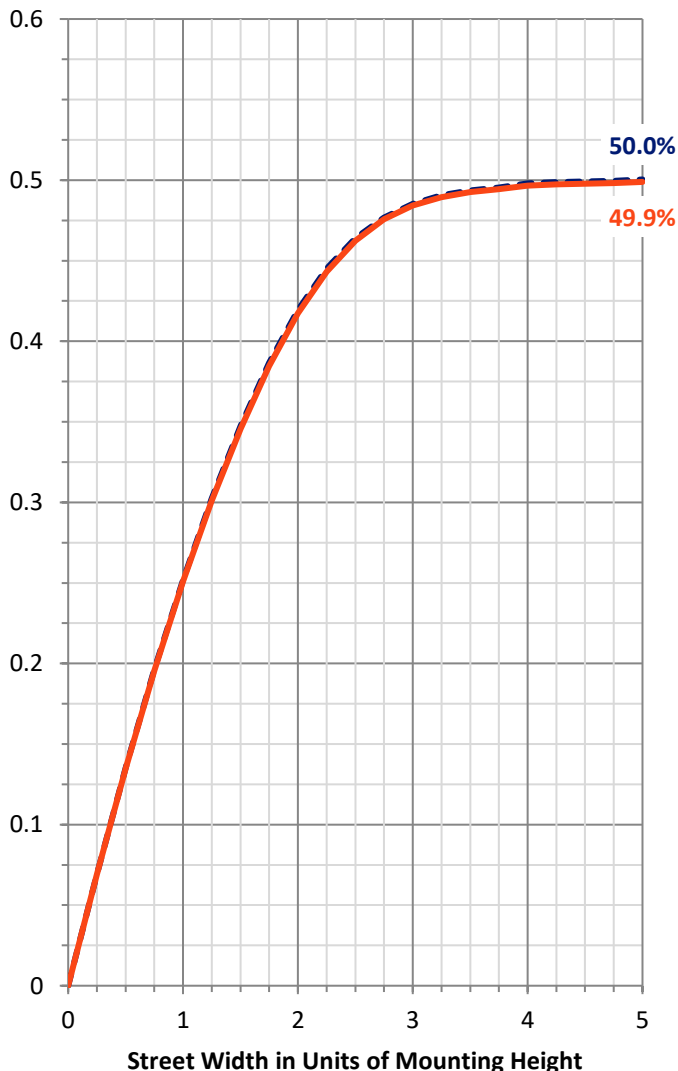
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4798.4	0.0	4798.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4798.4	0.0	4798.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9596.8	0.0	9596.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.3	1.0
10°-20°	291.4	3.0
20°-30°	496.1	5.2
30°-40°	786.8	8.2
40°-50°	1280.4	13.3
50°-60°	2111.1	22.0
60°-70°	3099.2	32.3
70°-80°	1370.4	14.3
80°-90°	62.1	0.6
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°	9596.8	100.0
0°-180°	9596.8	100.0

**Coefficient of Utilization**



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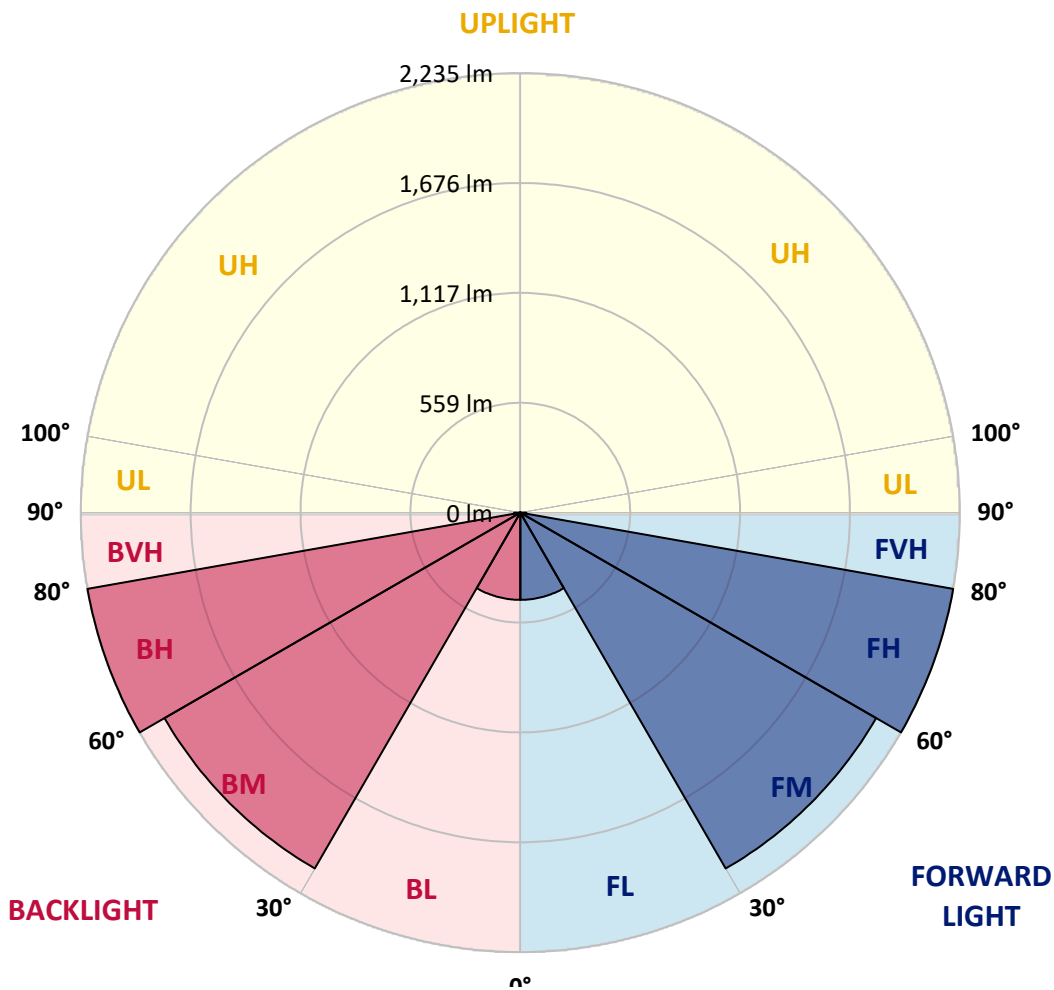
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	443.4	4.6			
FM (30°-60°)	2089.2	21.8			
FH (60°-80°)	2234.8	23.3			G2/5000
FVH (80°-90°)	31.0	0.3			G1/100
BL (0°-30°)	443.4	4.6	B1/500		
BM (30°-60°)	2089.2	21.8	B2/2500		
BH (60°-80°)	2234.8	23.3	B3/2500		G2/5000
BVH (80°-90°)	31.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1048.1	1048.1	1048.1	1048.1	1048.1	1048.1	1048.1	1048.1	1048.1	1048.1	1048.1
2.5°	1046.6	1045.5	1047.8	1047.5	1045.5	1045.9	1045.9	1046.9	1046.9	1046.2	1046.2
5°	1042.7	1042.1	1044.6	1044.6	1042.7	1043.4	1044.0	1045.0	1044.6	1044.0	1043.7
7.5°	1037.9	1037.7	1040.2	1040.2	1038.9	1039.5	1038.9	1039.3	1038.6	1037.9	1037.0
10°	1030.0	1030.7	1032.9	1033.5	1033.5	1033.8	1033.2	1031.6	1030.7	1029.7	1028.7
12.5°	1022.7	1022.4	1025.5	1027.1	1029.7	1032.6	1030.7	1026.2	1024.3	1022.4	1021.8
15°	1017.9	1018.3	1021.4	1024.3	1028.7	1034.7	1032.6	1025.5	1021.8	1019.5	1018.9
17.5°	1017.0	1017.6	1021.8	1026.9	1031.6	1038.3	1037.0	1030.0	1023.7	1019.5	1018.6
20°	1019.2	1019.5	1025.9	1033.2	1041.4	1047.8	1045.0	1037.4	1028.7	1022.4	1020.8
22.5°	1023.4	1024.6	1032.6	1044.0	1056.7	1065.3	1061.8	1048.7	1035.4	1027.5	1025.3
25°	1036.3	1036.7	1047.5	1063.0	1078.3	1088.1	1084.1	1065.6	1048.5	1039.5	1036.7
27.5°	1063.4	1064.3	1075.1	1093.3	1106.2	1112.6	1110.1	1095.1	1080.5	1071.0	1071.9
30°	1102.5	1103.7	1115.8	1135.8	1143.7	1145.3	1144.7	1137.7	1124.4	1111.7	1112.6
32.5°	1150.1	1150.8	1166.9	1185.0	1191.3	1192.7	1191.3	1185.0	1169.2	1152.0	1152.9
35°	1211.3	1213.3	1228.8	1246.3	1251.4	1253.9	1251.7	1243.5	1226.9	1210.1	1209.5
37.5°	1287.0	1287.3	1303.5	1321.6	1327.9	1328.6	1326.0	1320.6	1300.0	1284.7	1283.8
40°	1374.6	1375.9	1395.0	1414.4	1416.9	1414.0	1417.5	1414.4	1393.0	1375.6	1378.5
42.5°	1481.3	1484.2	1507.1	1526.1	1518.8	1517.2	1519.5	1520.4	1503.3	1482.0	1480.1
45°	1605.5	1608.1	1636.7	1651.9	1647.1	1636.7	1641.1	1648.7	1624.9	1598.6	1601.1
47.5°	1747.2	1753.6	1784.0	1798.3	1786.5	1772.3	1780.9	1792.3	1764.4	1731.6	1730.1
50°	1904.7	1912.7	1953.3	1973.3	1961.5	1935.2	1949.5	1957.1	1916.8	1874.6	1871.1
52.5°	2072.8	2080.7	2131.9	2173.1	2165.5	2124.5	2144.5	2136.6	2090.2	2033.3	2028.9
55°	2263.0	2266.2	2321.4	2388.1	2395.7	2365.6	2364.4	2351.3	2282.7	2217.0	2213.8
57.5°	2458.7	2460.8	2532.3	2611.1	2647.0	2647.0	2611.4	2583.8	2492.6	2416.4	2408.4
60°	2669.9	2677.8	2756.9	2863.9	2947.8	2972.5	2909.7	2834.3	2735.3	2642.2	2633.0
62.5°	2857.9	2867.1	2988.1	3147.5	3282.2	3372.4	3218.7	3096.1	2915.7	2766.4	2748.9
65°	2881.7	2906.5	3082.7	3371.5	3672.8	3853.0	3558.2	3256.2	2927.4	2720.0	2702.3
67.5°	2631.7	2673.7	2911.8	3361.3	3984.2	4370.7	3775.1	3164.7	2716.5	2487.2	2467.5
70°	2022.2	2083.2	2358.0	2940.1	3930.4	4537.5	3639.2	2770.6	2264.9	2018.1	1990.5
72.5°	1109.4	1134.5	1381.7	2013.3	3151.0	3855.8	3035.5	2048.6	1502.0	1222.2	1175.8
75°	351.9	360.8	486.6	823.8	1782.4	2553.9	1928.2	1005.5	553.6	408.2	403.4
77.5°	156.2	157.3	175.9	240.4	614.0	1293.9	737.5	273.7	188.6	164.9	170.2
80°	98.8	98.8	109.0	119.1	167.0	375.8	199.4	130.2	111.1	103.2	105.5
82.5°	47.3	52.4	70.8	76.2	91.8	126.4	102.3	85.1	74.3	55.2	51.5
85°	31.1	26.0	44.8	50.5	53.4	60.7	59.4	56.2	48.6	27.6	30.8
87.5°	14.0	13.3	23.2	21.3	20.0	15.2	22.8	28.3	27.3	13.6	13.6
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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