

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: P387136

Luminaire Tested: **GWC-SA2D-827-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P387136  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GWC-SA2D-827-U-5WQ  
Description: GALLEON WALL LUMINAIRE  
(2) 80 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12538 lumens  
Efficiency: N/A  
Efficacy: 98.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

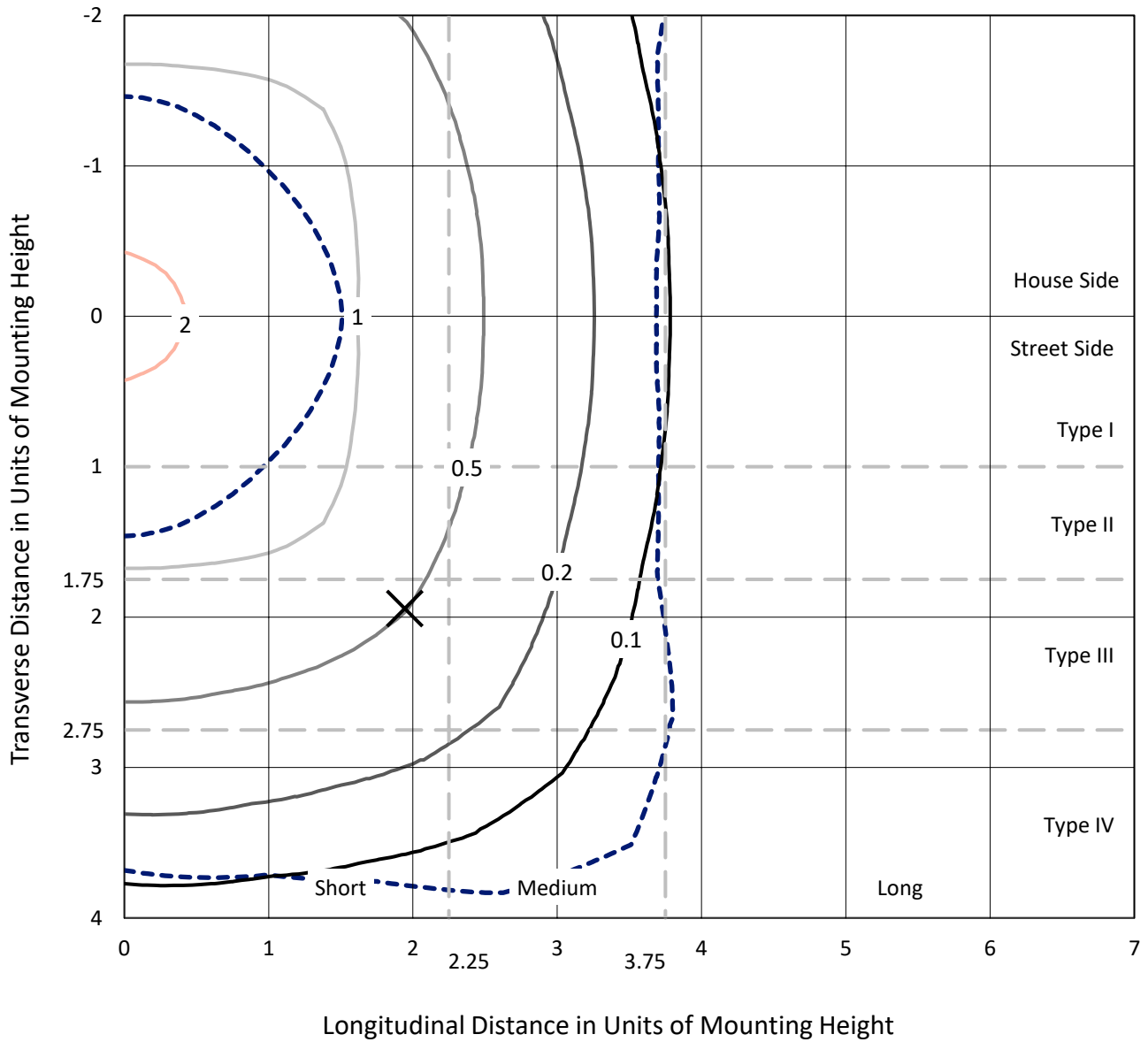
Input Watts (W): 128  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

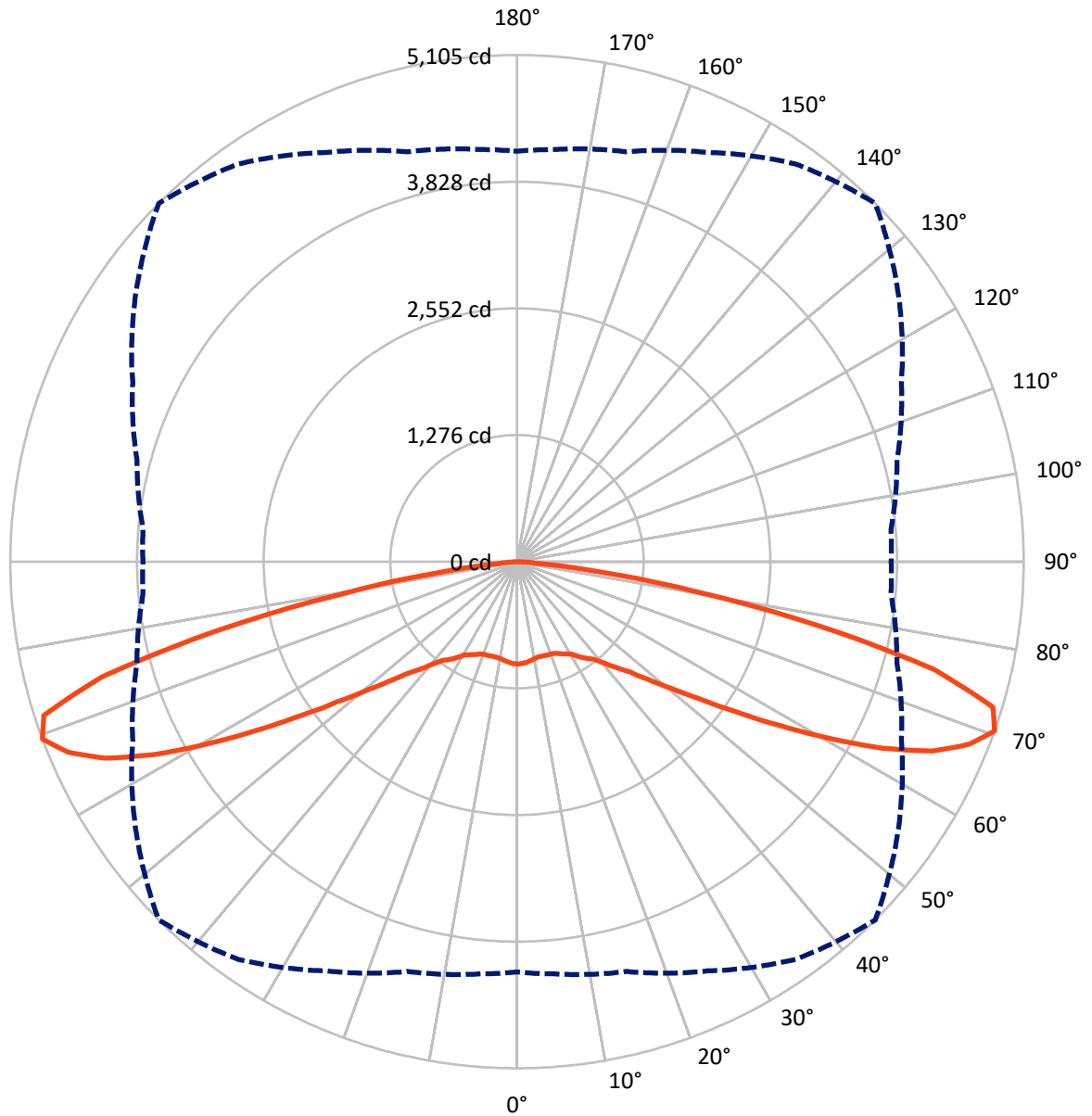
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.6 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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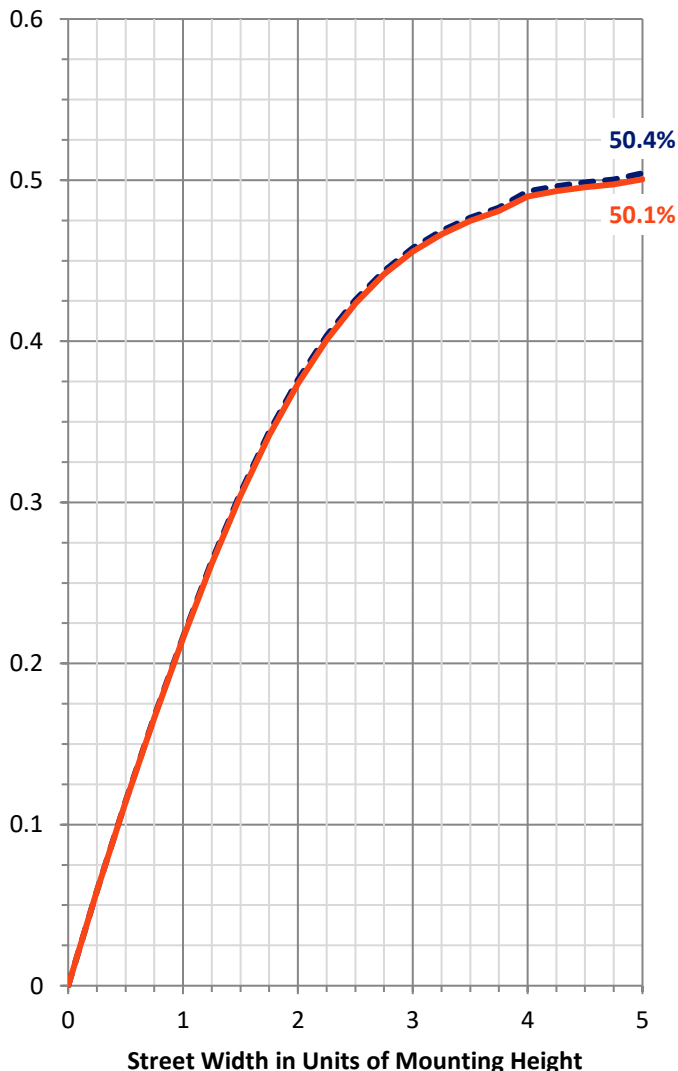
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6269.0	0.0	6269.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6269.0	0.0	6269.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12538.0	0.0	12538.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.3	0.8
10°-20°	281.3	2.2
20°-30°	479.6	3.8
30°-40°	749.4	6.0
40°-50°	1270.2	10.1
50°-60°	2316.2	18.5
60°-70°	3987.5	31.8
70°-80°	3125.6	24.9
80°-90°	231.8	1.8
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°	12538.0	100.0
0°-180°	12538.0	100.0



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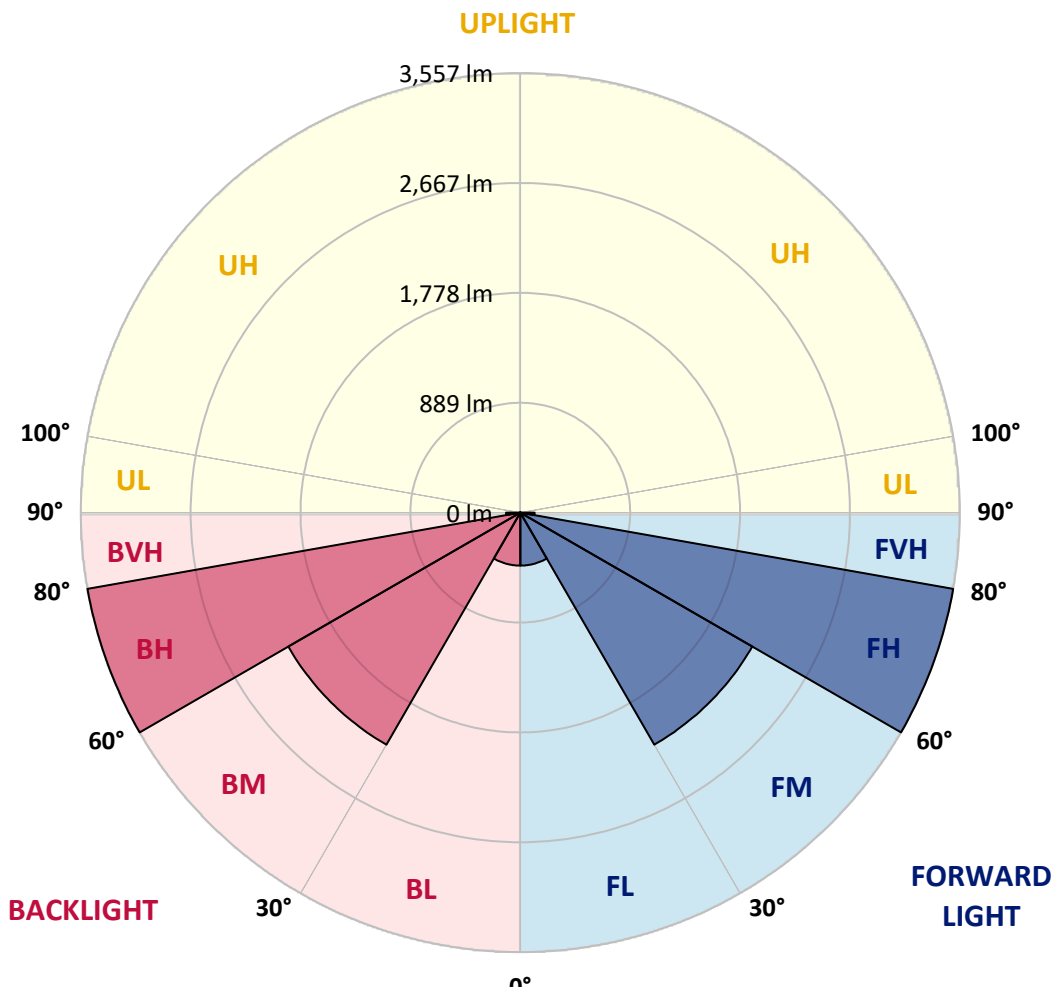
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	428.6	3.4			
FM (30°-60°)	2167.9	17.3			
FH (60°-80°)	3556.6	28.4			G2/5000
FVH (80°-90°)	115.9	0.9			G2/225
BL (0°-30°)	428.6	3.4	B1/500		
BM (30°-60°)	2167.9	17.3	B2/2500		
BH (60°-80°)	3556.6	28.4	B4/5000		G2/5000
BVH (80°-90°)	115.9	0.9			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1031.9	1031.9	1031.9	1031.9	1031.9	1031.9	1031.9	1031.9	1031.9	1031.9	1031.9
2.5°	1027.3	1028.6	1027.3	1028.1	1026.1	1026.9	1026.9	1026.9	1026.5	1026.9	1026.1
5°	1018.2	1019.0	1017.4	1018.2	1016.9	1018.2	1018.6	1018.2	1017.4	1017.8	1016.1
7.5°	1004.5	1005.3	1004.1	1005.3	1003.7	1005.8	1005.3	1004.1	1002.8	1002.8	1001.2
10°	997.0	997.5	994.1	992.9	989.2	990.0	991.2	992.5	993.7	996.2	995.8
12.5°	997.5	997.5	992.5	987.1	981.7	982.9	985.0	989.6	994.6	999.1	999.5
15°	1001.6	1001.2	993.7	985.0	981.3	985.0	986.3	989.2	997.0	1004.9	1005.3
17.5°	1004.5	1004.5	992.9	982.9	982.5	988.3	987.9	989.2	997.9	1009.5	1009.9
20°	1009.9	1009.9	995.0	984.2	984.2	990.4	990.8	992.9	1001.6	1014.5	1016.5
22.5°	1021.9	1022.3	1006.6	997.9	998.7	1002.4	1003.7	1007.0	1014.9	1029.0	1031.5
25°	1038.9	1039.8	1023.6	1018.6	1021.5	1028.6	1027.7	1030.2	1038.9	1052.6	1055.1
27.5°	1062.6	1060.5	1045.6	1043.5	1046.4	1051.4	1051.0	1051.4	1058.4	1070.9	1073.8
30°	1093.3	1092.4	1081.6	1082.9	1081.6	1080.0	1080.4	1083.7	1087.5	1097.4	1100.3
32.5°	1123.1	1124.0	1117.3	1123.5	1132.7	1138.9	1129.3	1120.2	1116.1	1121.5	1124.0
35°	1177.0	1179.1	1168.7	1164.6	1177.0	1195.3	1168.3	1153.4	1161.7	1168.7	1170.8
37.5°	1268.7	1269.9	1252.5	1235.9	1226.8	1244.2	1217.3	1218.5	1247.5	1260.8	1260.4
40°	1373.2	1373.6	1362.0	1347.5	1331.7	1335.9	1325.1	1328.4	1347.5	1359.5	1362.8
42.5°	1497.6	1496.4	1478.1	1457.4	1452.8	1457.0	1438.7	1436.3	1458.2	1479.8	1480.2
45°	1659.0	1656.1	1632.4	1609.6	1587.6	1578.5	1573.9	1586.0	1616.3	1636.2	1636.6
47.5°	1832.7	1824.9	1812.4	1794.2	1775.1	1766.0	1758.5	1764.3	1786.3	1794.2	1795.0
50°	2011.5	2013.2	2015.6	2008.6	2001.5	1998.6	1979.2	1968.0	1974.6	1960.1	1958.0
52.5°	2223.4	2226.8	2250.8	2271.1	2283.2	2289.4	2252.5	2213.9	2192.3	2164.1	2155.8
55°	2473.5	2478.9	2514.2	2570.6	2628.6	2659.3	2592.6	2520.4	2453.6	2400.9	2383.9
57.5°	2752.2	2761.8	2810.3	2918.5	3037.6	3110.2	2997.3	2866.3	2737.3	2661.4	2648.1
60°	3079.0	3088.2	3155.4	3310.5	3503.3	3612.4	3441.5	3227.1	3066.6	2994.0	2969.6
62.5°	3468.1	3468.9	3551.4	3732.7	3987.3	4139.1	3907.7	3621.1	3455.6	3368.1	3344.5
65°	3886.6	3888.6	3974.1	4169.8	4433.2	4598.2	4337.0	4038.3	3836.0	3707.0	3688.7
67.5°	4182.3	4191.0	4281.0	4516.5	4762.9	4911.8	4641.4	4303.8	4069.9	3916.0	3900.7
70°	4135.0	4169.0	4274.8	4549.7	4892.3	5104.6	4690.7	4272.3	3963.7	3782.0	3769.2
72.5°	3606.2	3671.3	3812.3	4173.1	4721.0	5013.4	4421.6	3826.4	3477.2	3322.5	3299.3
75°	2455.7	2561.4	2774.2	3294.7	4033.4	4340.7	3722.3	3050.8	2722.4	2508.4	2492.6
77.5°	1094.9	1119.0	1388.6	1987.9	2783.3	3117.2	2704.5	1995.7	1498.0	1194.9	1131.0
80°	305.3	309.0	412.3	740.3	1393.1	1831.5	1495.6	777.6	437.1	308.2	290.3
82.5°	97.0	105.3	128.6	192.0	468.2	835.7	480.7	207.4	147.6	117.8	106.2
85°	47.3	46.9	65.1	78.0	119.4	185.0	127.3	96.2	84.2	56.0	50.6
87.5°	19.9	20.3	30.3	27.4	34.8	29.9	41.1	43.1	45.2	24.9	21.6
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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