

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: P387024

Luminaire Tested: **GWC-SA2D-730-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P387024  
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-730-U-5WQ  
Description: GALLEON WALL LUMINAIRE  
(2) 70 CRI, 3000K, 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: 15532 lumens  
Efficiency: N/A  
Efficacy: 120.4 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): 129  
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

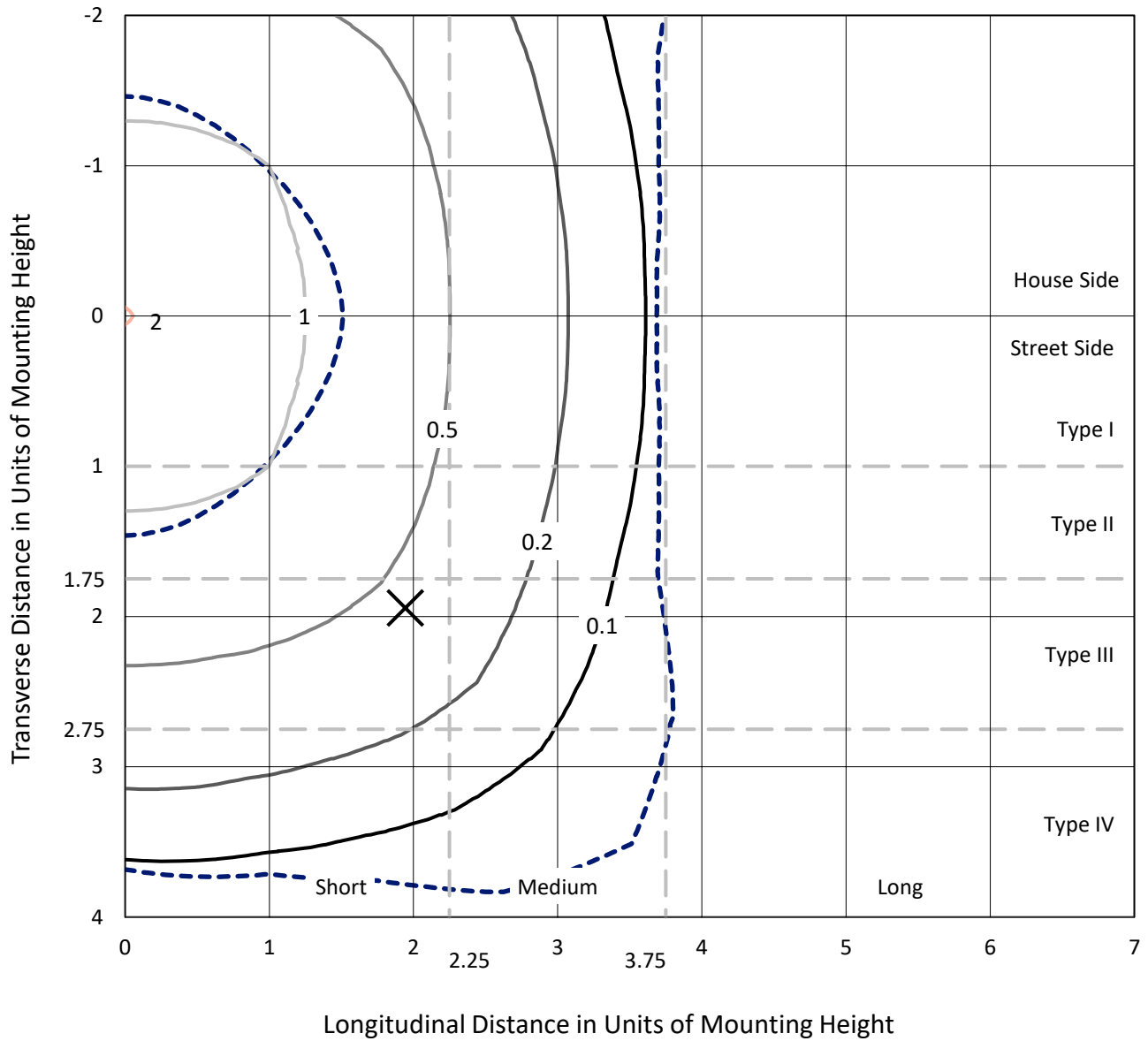


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### Iso-Footcandle Lines of Horizontal Illumination

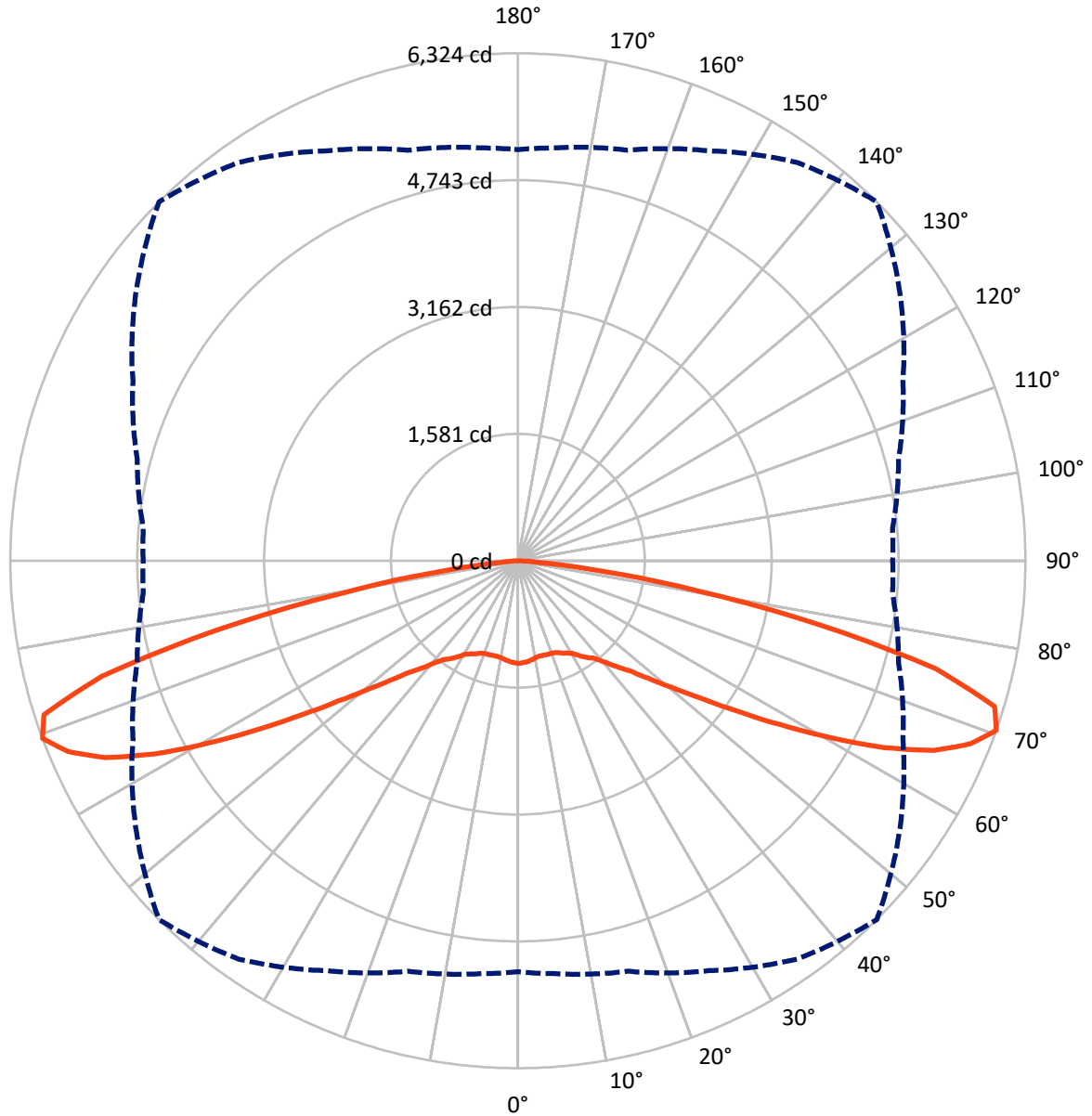
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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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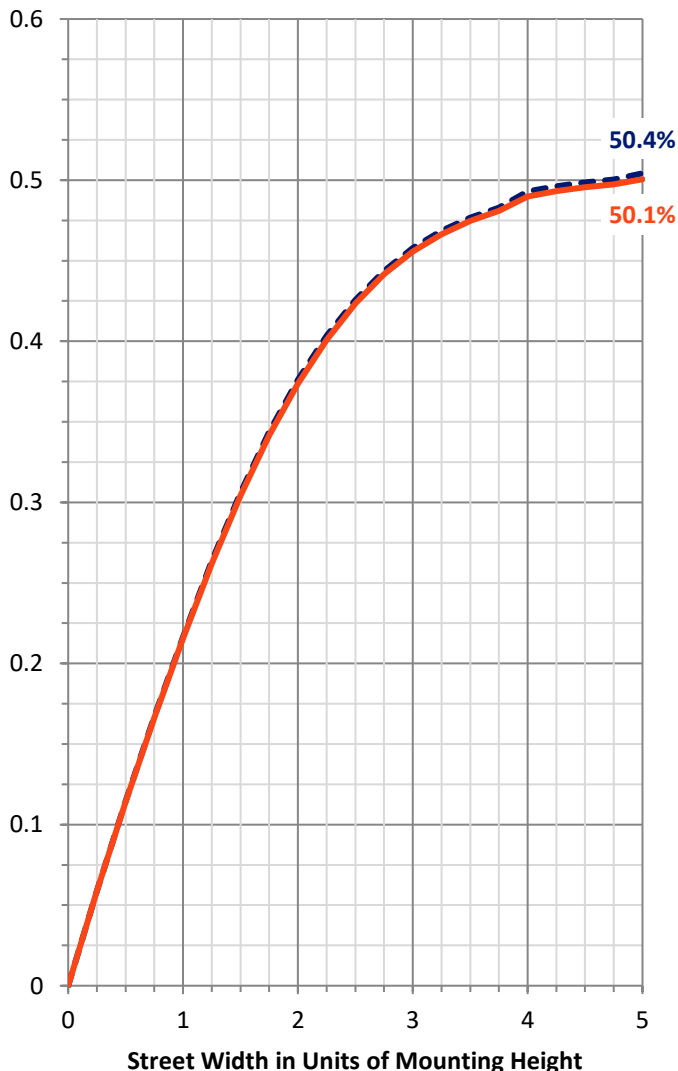
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7766.0	0.0	7766.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7766.0	0.0	7766.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15532.0	0.0	15532.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.3	0.8
10°-20°	348.5	2.2
20°-30°	594.2	3.8
30°-40°	928.4	6.0
40°-50°	1573.5	10.1
50°-60°	2869.3	18.5
60°-70°	4939.7	31.8
70°-80°	3872.0	24.9
80°-90°	287.1	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°	15532.0	100.0
0°-180°	15532.0	100.0



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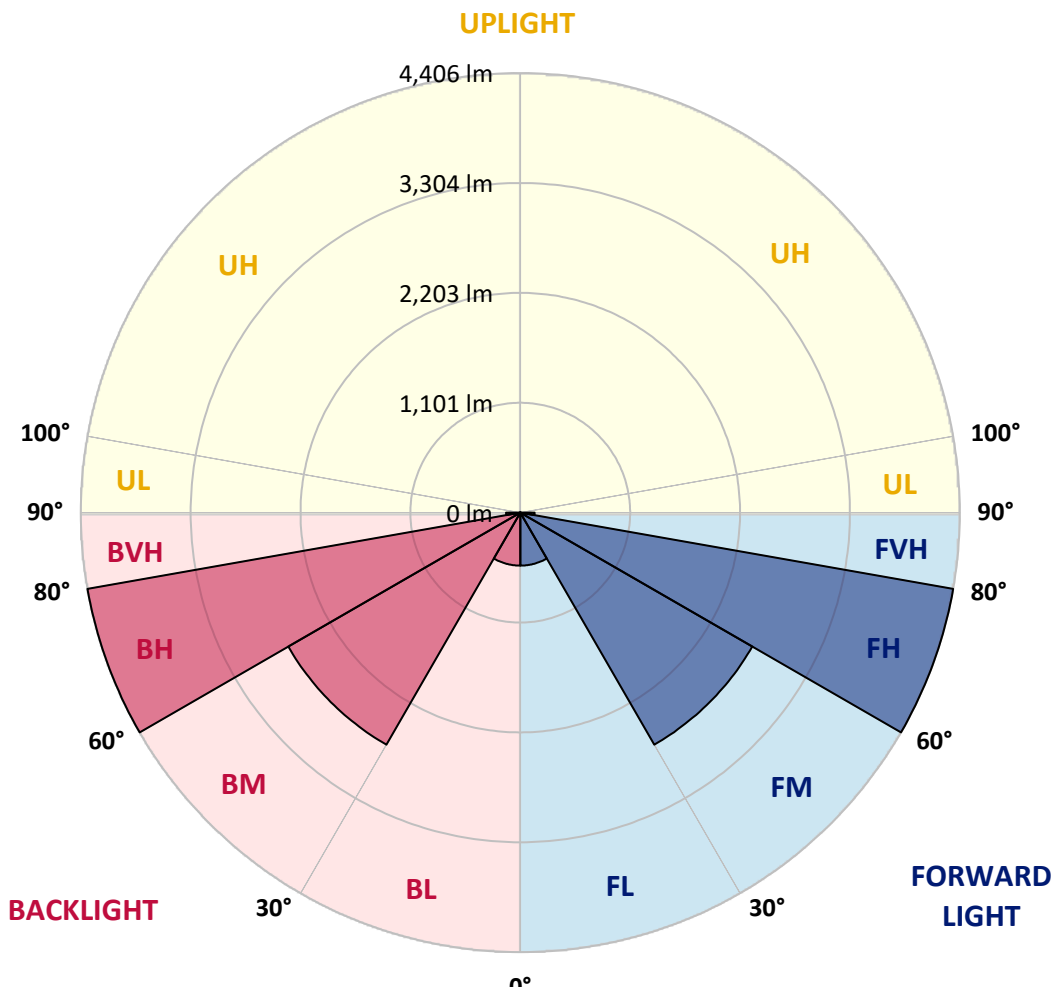
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	531.0	3.4			
FM (30°-60°)	2685.6	17.3			
FH (60°-80°)	4405.9	28.4			G2/5000
FVH (80°-90°)	143.6	0.9			G2/225
BL (0°-30°)	531.0	3.4	B2/1000		
BM (30°-60°)	2685.6	17.3	B3/5000		
BH (60°-80°)	4405.9	28.4	B4/5000		G2/5000
BVH (80°-90°)	143.6	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°	1278.3	1278.3	1278.3	1278.3	1278.3	1278.3	1278.3	1278.3	1278.3	1278.3	1278.3
2.5°	1272.6	1274.2	1272.6	1273.7	1271.1	1272.1	1272.1	1272.1	1271.6	1272.1	1271.1
5°	1261.3	1262.4	1260.3	1261.3	1259.8	1261.3	1261.8	1261.3	1260.3	1260.8	1258.8
7.5°	1244.4	1245.4	1243.9	1245.4	1243.3	1245.9	1245.4	1243.9	1242.3	1242.3	1240.3
10°	1235.1	1235.6	1231.5	1230.0	1225.4	1226.4	1227.9	1229.5	1231.0	1234.1	1233.6
12.5°	1235.6	1235.6	1229.5	1222.8	1216.1	1217.7	1220.2	1225.9	1232.0	1237.7	1238.2
15°	1240.8	1240.3	1231.0	1220.2	1215.6	1220.2	1221.8	1225.4	1235.1	1244.9	1245.4
17.5°	1244.4	1244.4	1230.0	1217.7	1217.1	1224.3	1223.8	1225.4	1236.2	1250.5	1251.1
20°	1251.1	1251.1	1232.6	1219.2	1219.2	1226.9	1227.4	1230.0	1240.8	1256.7	1259.3
22.5°	1266.0	1266.5	1246.9	1236.2	1237.2	1241.8	1243.3	1247.5	1257.2	1274.7	1277.8
25°	1287.0	1288.0	1268.0	1261.8	1265.4	1274.2	1273.1	1276.2	1287.0	1304.0	1307.1
27.5°	1316.3	1313.7	1295.2	1292.7	1296.3	1302.4	1301.9	1302.4	1311.2	1326.6	1330.2
30°	1354.3	1353.3	1339.9	1341.5	1339.9	1337.9	1338.4	1342.5	1347.1	1359.5	1363.1
32.5°	1391.3	1392.3	1384.1	1391.8	1403.1	1410.8	1399.0	1387.7	1382.6	1389.3	1392.3
35°	1458.1	1460.7	1447.8	1442.7	1458.1	1480.7	1447.3	1428.8	1439.1	1447.8	1450.4
37.5°	1571.7	1573.2	1551.6	1531.1	1519.8	1541.3	1507.9	1509.5	1545.5	1561.9	1561.4
40°	1701.1	1701.6	1687.3	1669.3	1649.7	1654.9	1641.5	1645.6	1669.3	1684.2	1688.3
42.5°	1855.3	1853.7	1831.1	1805.4	1799.8	1804.9	1782.3	1779.2	1806.5	1833.2	1833.7
45°	2055.1	2051.5	2022.2	1994.0	1966.8	1955.4	1949.8	1964.7	2002.2	2026.9	2027.4
47.5°	2270.4	2260.6	2245.2	2222.6	2199.0	2187.7	2178.4	2185.6	2212.9	2222.6	2223.6
50°	2491.8	2493.9	2497.0	2488.2	2479.5	2475.9	2451.8	2437.9	2446.1	2428.1	2425.6
52.5°	2754.4	2758.5	2788.3	2813.5	2828.4	2836.1	2790.3	2742.6	2715.8	2680.9	2670.6
55°	3064.2	3070.9	3114.5	3184.4	3256.3	3294.4	3211.6	3122.2	3039.5	2974.3	2953.2
57.5°	3409.4	3421.3	3481.4	3615.5	3762.9	3852.8	3713.1	3550.7	3391.0	3296.9	3280.5
60°	3814.3	3825.6	3908.8	4101.0	4339.9	4475.0	4263.4	3997.7	3798.9	3709.0	3678.7
62.5°	4296.2	4297.3	4399.5	4624.0	4939.5	5127.5	4840.8	4485.8	4280.8	4172.4	4143.1
65°	4814.6	4817.2	4923.0	5165.5	5491.8	5696.3	5372.6	5002.7	4752.0	4592.2	4569.6
67.5°	5181.0	5191.8	5303.2	5595.1	5900.3	6084.7	5749.7	5331.5	5041.7	4851.1	4832.1
70°	5122.4	5164.5	5295.5	5636.2	6060.6	6323.6	5810.9	5292.5	4910.2	4685.2	4669.2
72.5°	4467.3	4548.0	4722.7	5169.7	5848.4	6210.6	5477.4	4740.1	4307.5	4115.9	4087.1
75°	3042.1	3173.1	3436.7	4081.5	4996.5	5377.2	4611.2	3779.4	3372.5	3107.3	3087.8
77.5°	1356.4	1386.2	1720.1	2462.5	3448.0	3861.6	3350.4	2472.3	1855.8	1480.2	1401.1
80°	378.1	382.8	510.7	917.1	1725.8	2268.9	1852.7	963.3	541.5	381.7	359.6
82.5°	120.2	130.5	159.3	237.9	580.1	1035.3	595.5	256.9	182.9	145.9	131.5
85°	58.6	58.1	80.7	96.6	148.0	229.1	157.7	119.2	104.3	69.4	62.7
87.5°	24.7	25.2	37.5	33.9	43.2	37.0	50.9	53.4	56.0	30.8	26.7
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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