

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: P386603

Luminaire Tested: **GWC-SA2B-735-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P386603  
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-SA2B-735-U-5NQ  
Description: GALLEON WALL LUMINAIRE  
(2) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11557.4 lumens  
Efficiency: N/A  
Efficacy: 134.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

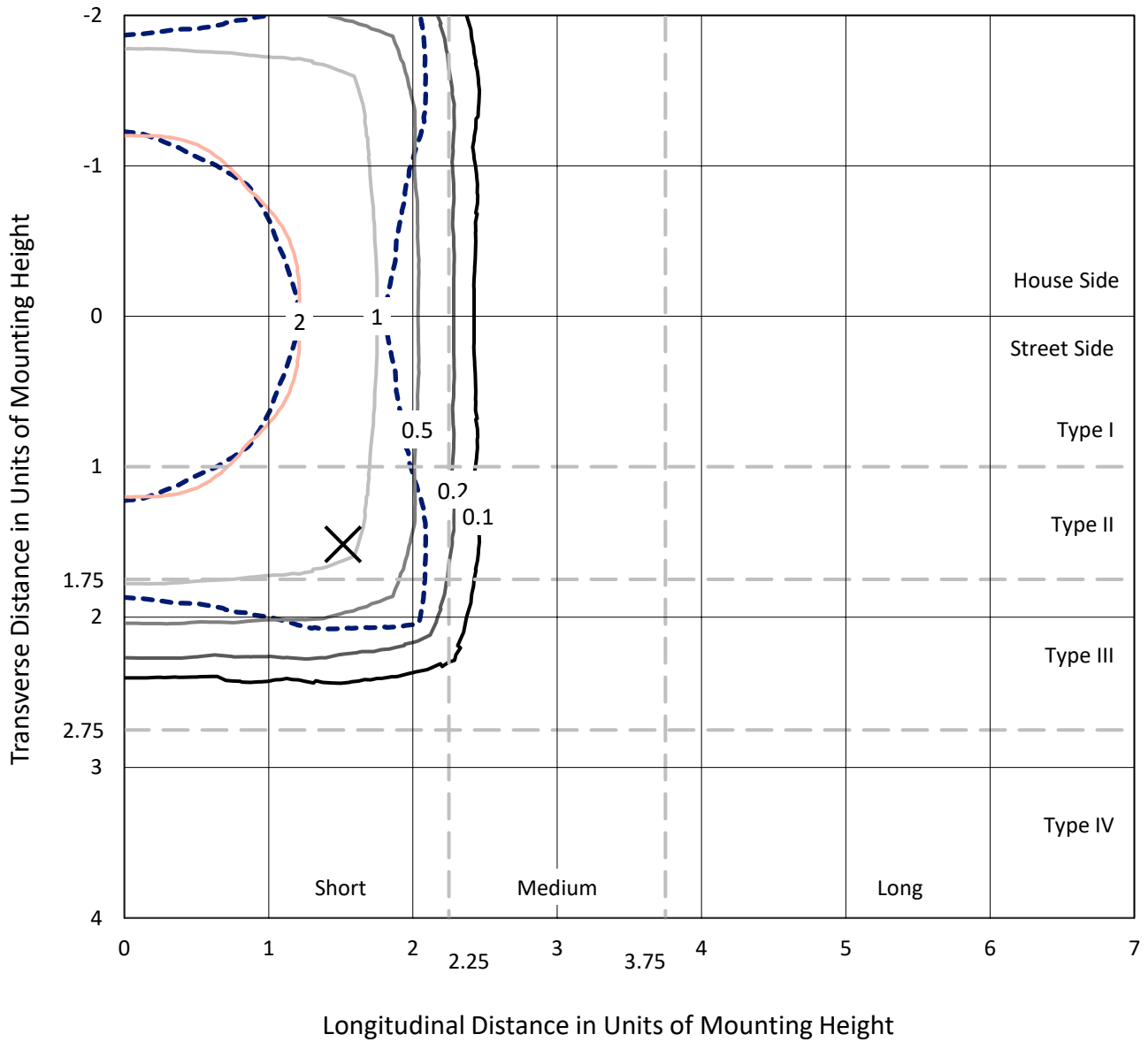
Input Watts (W): 86  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

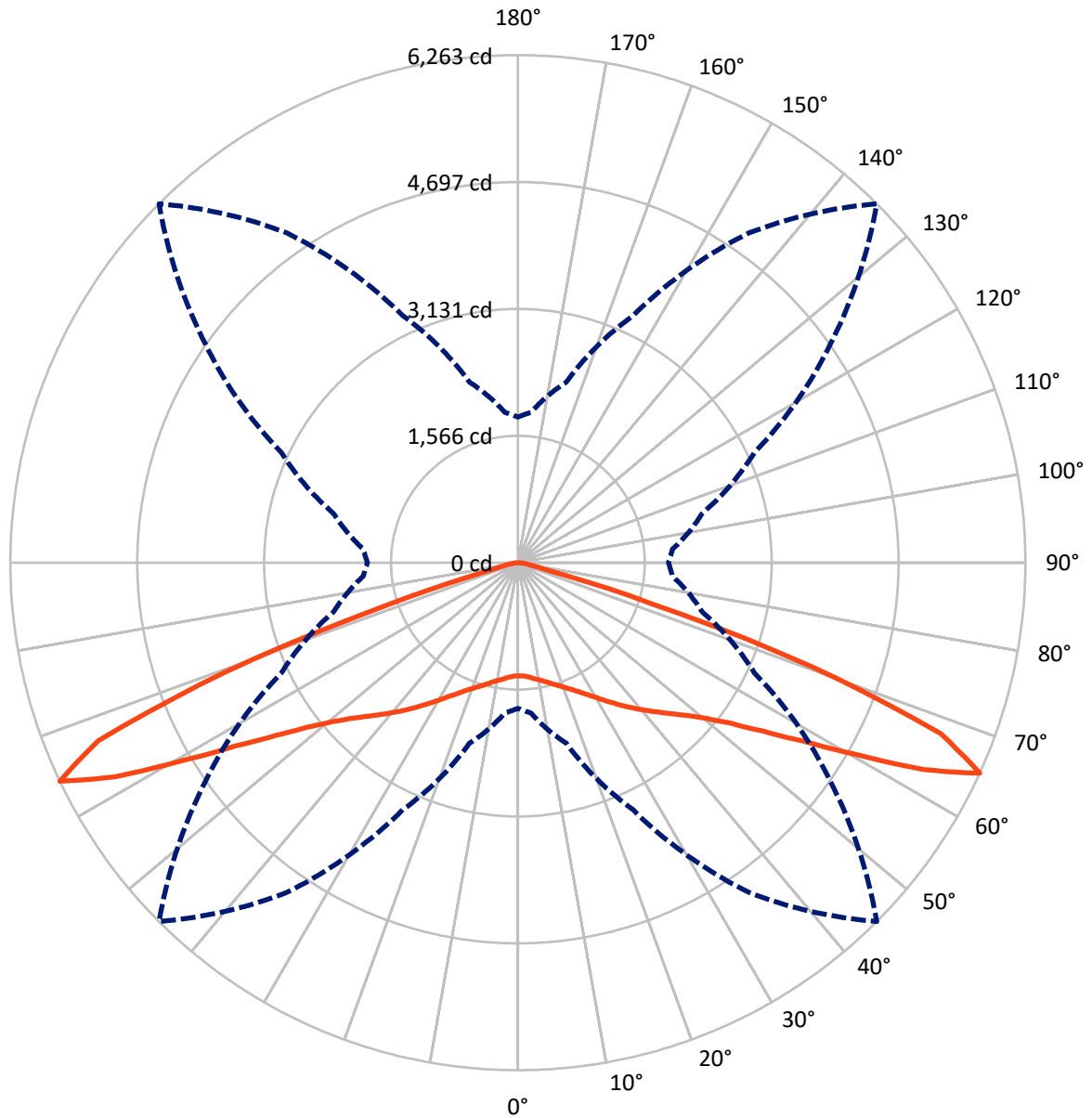
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.5 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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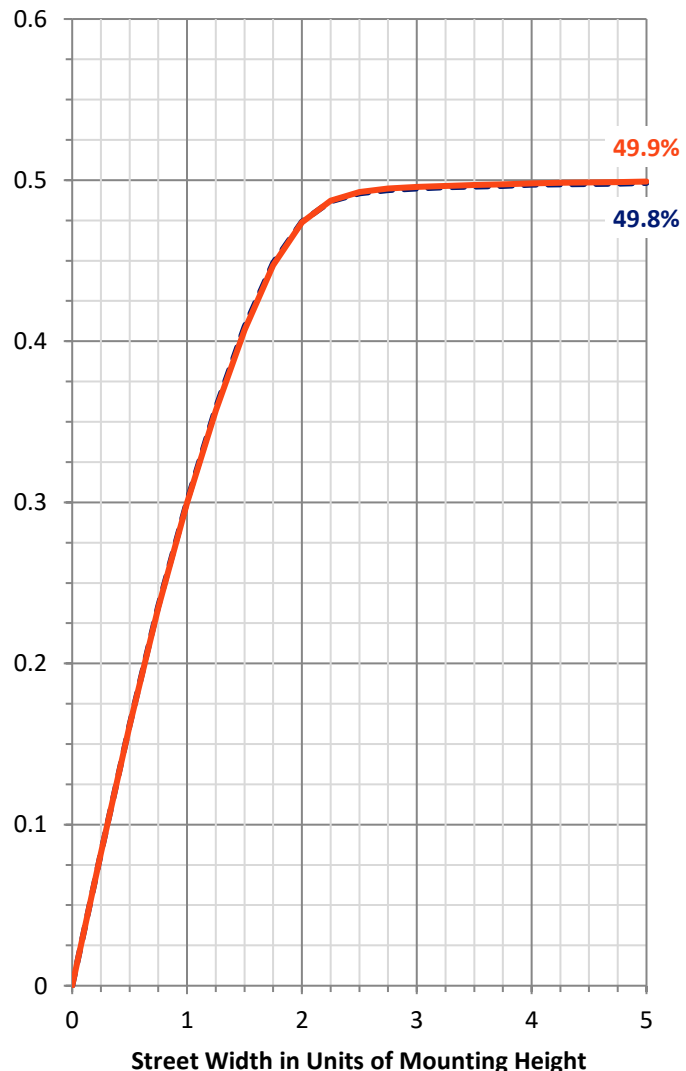
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5778.7	0.0	5778.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5778.7	0.0	5778.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11557.4	0.0	11557.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.9	1.2
10°-20°	440.2	3.8
20°-30°	825.8	7.1
30°-40°	1365.7	11.8
40°-50°	2115.3	18.3
50°-60°	3244.3	28.1
60°-70°	3027.3	26.2
70°-80°	352.3	3.0
80°-90°	49.5	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°	11557.4	100.0
0°-180°	11557.4	100.0



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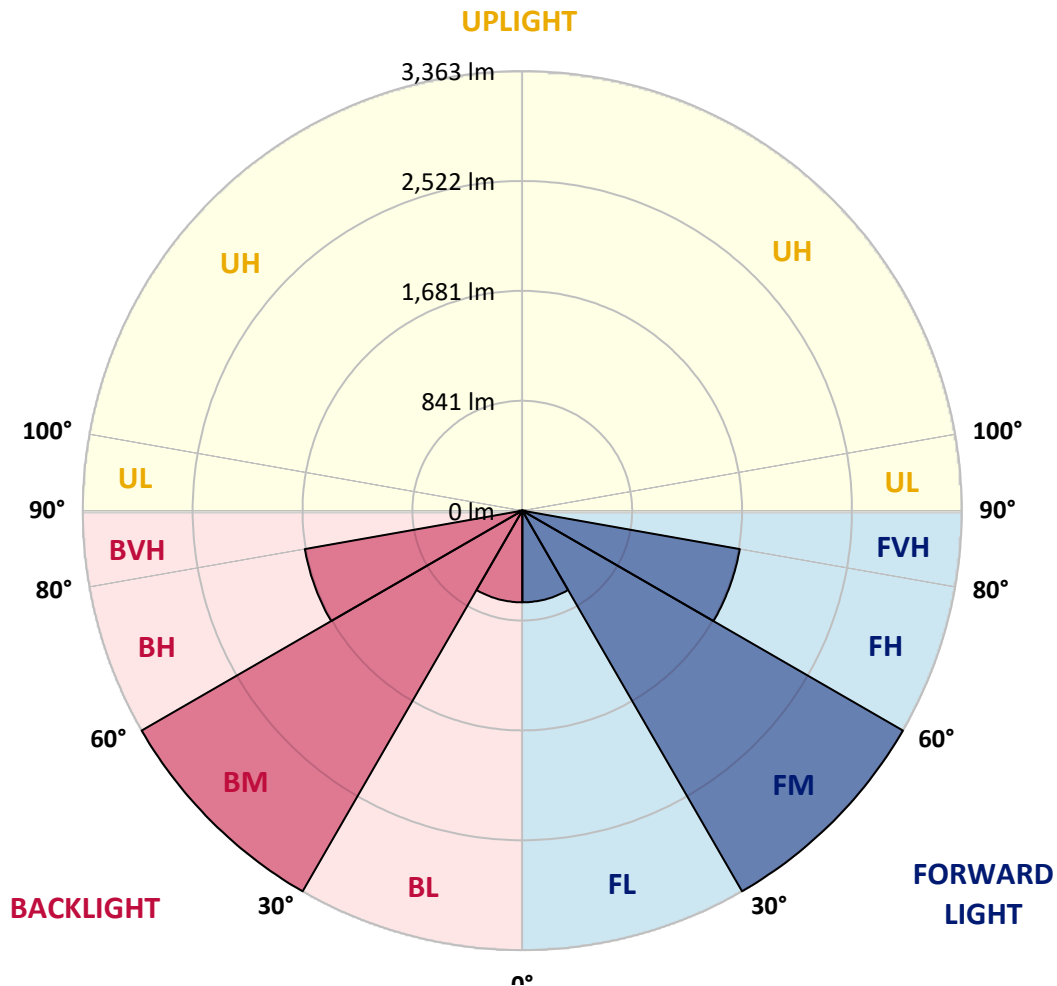
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	701.4	6.1			
FM (30°-60°)	3362.7	29.1			
FH (60°-80°)	1689.8	14.6			G1/1800
FVH (80°-90°)	24.8	0.2			G1/100
BL (0°-30°)	701.4	6.1	B2/1000		
BM (30°-60°)	3362.7	29.1	B3/5000		
BH (60°-80°)	1689.8	14.6	B3/2500		G1/1800
BVH (80°-90°)	24.8	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°	1395.7	1395.7	1395.7	1395.7	1395.7	1395.7	1395.7	1395.7	1395.7	1395.7	1395.7
2.5°	1400.3	1399.5	1400.3	1400.7	1398.4	1399.5	1399.1	1401.1	1401.9	1401.1	1401.1
5°	1416.4	1415.3	1416.8	1418.7	1415.7	1416.4	1415.3	1417.5	1418.3	1416.8	1417.9
7.5°	1438.7	1439.1	1440.6	1444.0	1442.2	1443.7	1441.3	1441.8	1441.3	1439.1	1439.4
10°	1462.8	1463.2	1465.9	1470.5	1471.3	1471.3	1469.8	1468.6	1467.1	1465.5	1465.9
12.5°	1492.0	1493.9	1495.8	1501.6	1501.6	1504.6	1503.9	1500.8	1498.1	1495.8	1495.8
15°	1531.5	1531.1	1533.5	1539.2	1541.8	1546.9	1546.9	1542.7	1539.2	1536.8	1536.1
17.5°	1572.9	1574.0	1575.6	1582.5	1586.7	1592.5	1593.3	1589.8	1587.5	1584.5	1582.5
20°	1621.3	1623.2	1629.4	1632.0	1635.9	1641.2	1643.2	1642.3	1640.1	1638.6	1639.0
22.5°	1677.7	1682.6	1686.5	1690.3	1694.9	1698.8	1700.7	1703.4	1701.1	1699.9	1699.2
25°	1746.0	1749.4	1757.1	1764.0	1767.1	1768.2	1770.5	1774.3	1774.0	1771.3	1771.3
27.5°	1823.5	1829.9	1839.6	1849.6	1849.6	1845.7	1853.4	1859.9	1857.7	1854.2	1849.6
30°	1917.5	1923.6	1934.7	1948.5	1941.6	1938.9	1949.3	1961.2	1957.7	1952.0	1951.2
32.5°	2018.8	2024.5	2039.0	2054.0	2045.2	2041.4	2052.5	2069.8	2063.7	2052.1	2045.2
35°	2128.5	2134.2	2155.0	2173.0	2158.0	2151.5	2160.7	2179.5	2168.8	2147.3	2141.9
37.5°	2247.8	2250.9	2277.7	2296.1	2285.7	2268.4	2280.0	2293.8	2284.6	2258.5	2248.2
40°	2371.7	2382.8	2413.9	2435.4	2417.3	2390.1	2409.3	2428.4	2414.6	2381.3	2363.6
42.5°	2516.4	2524.8	2566.2	2585.4	2556.2	2517.9	2544.0	2570.0	2556.2	2524.0	2508.7
45°	2666.8	2679.7	2729.2	2748.4	2706.2	2657.5	2689.4	2735.0	2733.8	2687.4	2671.4
47.5°	2830.5	2843.5	2902.6	2928.0	2882.3	2817.1	2862.0	2926.4	2921.8	2870.8	2857.7
50°	3019.7	3033.5	3107.1	3139.0	3096.4	3020.4	3088.0	3144.7	3136.3	3073.4	3074.5
52.5°	3257.2	3256.4	3348.1	3403.3	3359.6	3292.5	3354.6	3409.8	3375.0	3287.8	3285.2
55°	3465.0	3477.7	3591.3	3696.0	3693.3	3667.7	3692.6	3694.9	3595.2	3479.2	3465.0
57.5°	3601.6	3625.8	3785.8	3975.3	4117.3	4151.4	4103.1	3956.5	3722.9	3537.6	3514.9
60°	3517.7	3554.5	3805.8	4192.0	4610.3	4810.9	4538.1	4083.5	3623.5	3365.3	3334.7
62.5°	2950.6	3012.7	3380.7	4087.3	5034.6	5621.1	4853.5	3879.8	3228.3	2872.8	2820.2
65°	1797.0	1862.6	2306.1	3364.2	4965.9	6262.6	4709.7	3220.3	2356.4	1914.0	1857.2
67.5°	598.9	618.0	879.3	1859.5	3902.8	5626.9	3909.4	1927.8	1025.4	679.8	659.8
70°	234.4	236.4	278.9	539.0	1843.0	3864.9	2033.7	548.6	291.6	230.5	235.6
72.5°	172.3	173.0	184.9	225.2	480.3	1702.7	497.6	226.4	179.9	161.5	161.5
75°	138.5	138.5	146.9	164.2	215.2	390.5	218.3	162.3	140.8	128.9	127.4
77.5°	109.3	111.6	118.2	129.3	145.8	188.0	151.1	128.5	113.6	102.4	100.1
80°	81.4	83.6	94.4	99.8	104.7	130.5	111.6	100.5	89.8	76.7	74.4
82.5°	53.4	55.6	69.0	72.1	71.0	85.2	75.2	74.0	65.9	49.5	47.2
85°	34.9	35.7	46.0	47.9	44.2	38.7	47.9	50.6	46.0	32.2	31.1
87.5°	16.5	16.5	23.4	21.9	19.9	16.2	21.9	25.7	26.1	15.7	15.3
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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