

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: P387051

Luminaire Tested: **GWC-SA2D-735-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P387051  
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-SA2D-735-U-5NQ  
Description: GALLEON WALL LUMINAIRE  
(2) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15691.7 lumens  
Efficiency: N/A  
Efficacy: 121.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

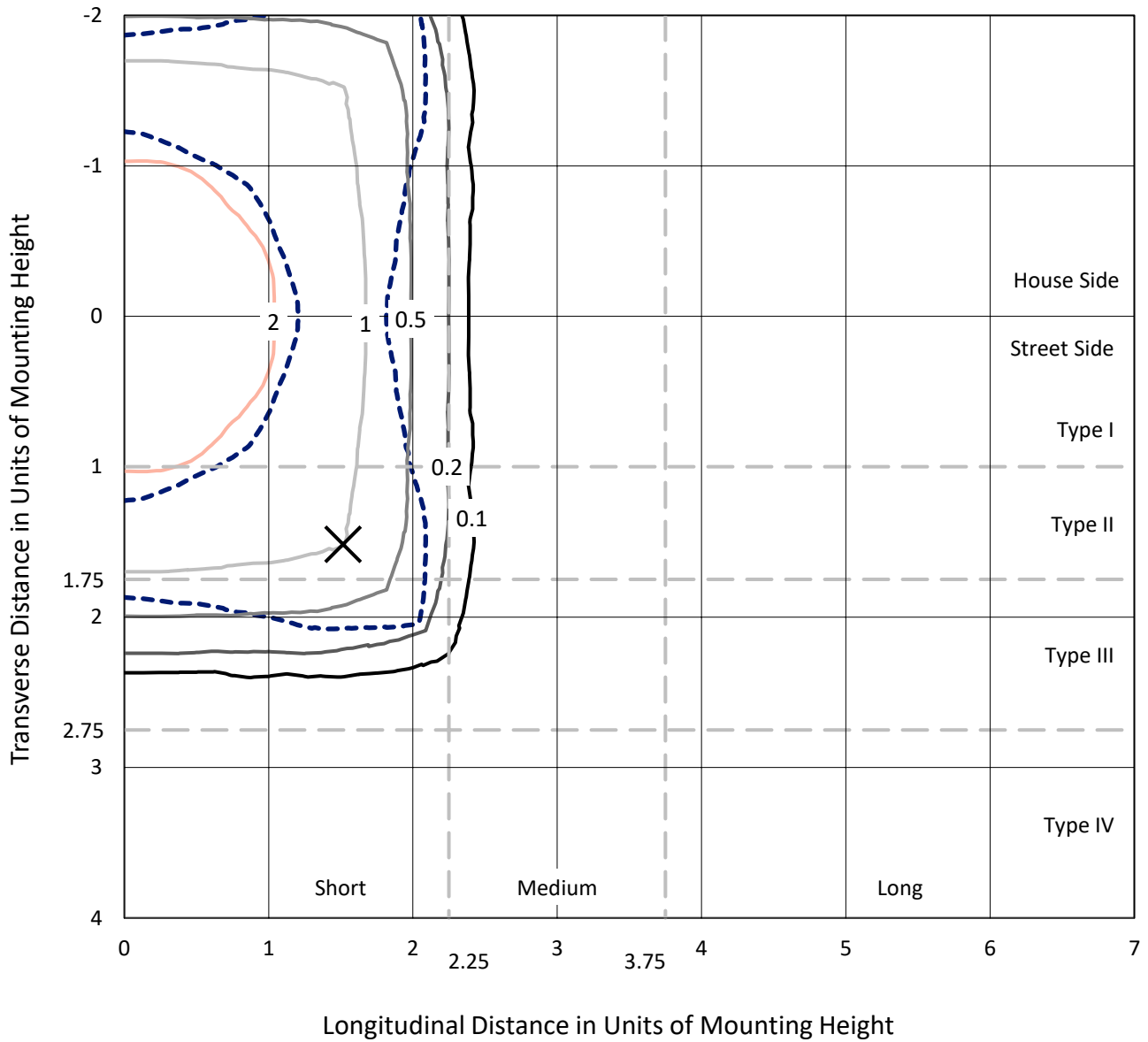
Input Watts (W): 129  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

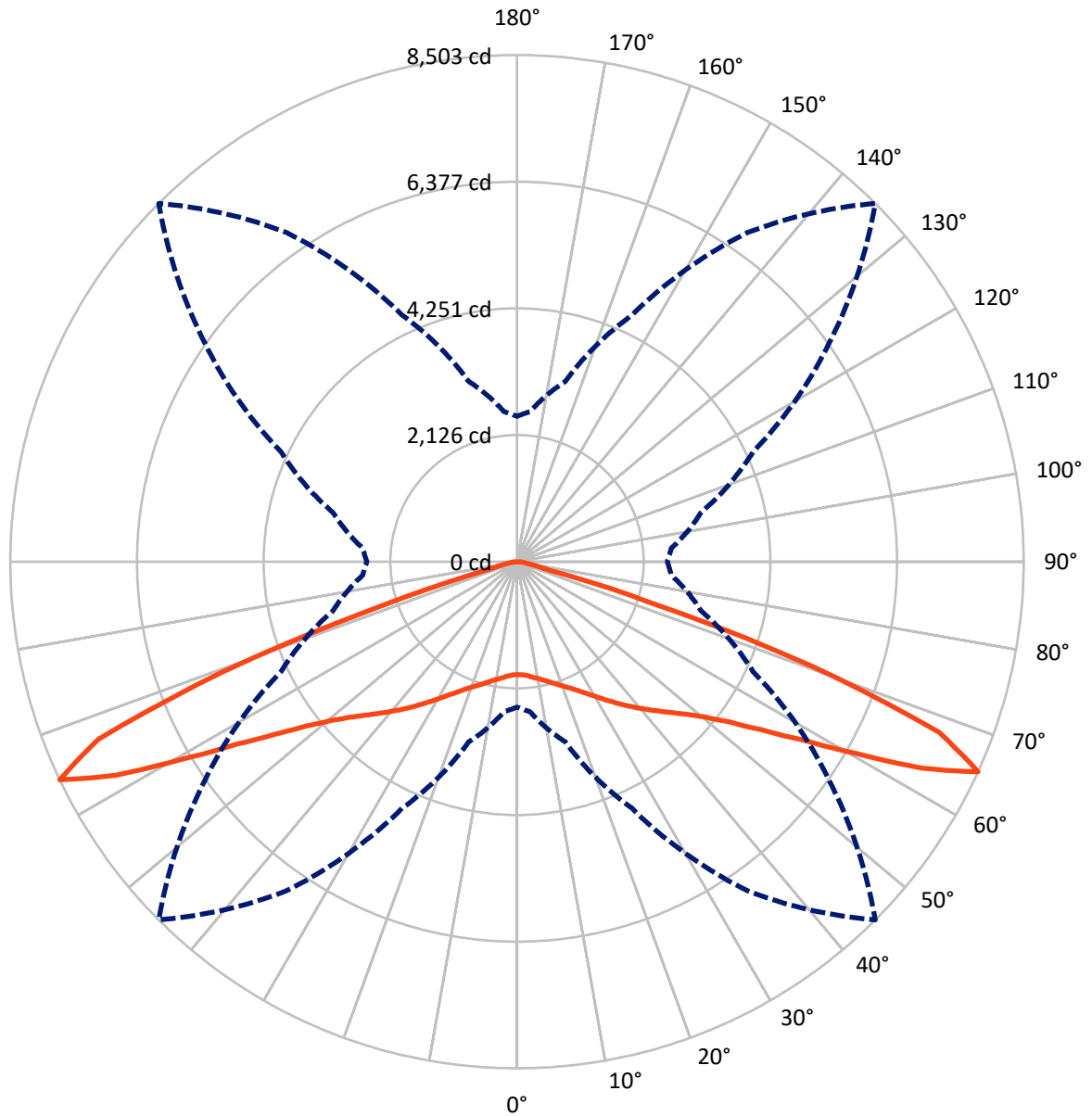
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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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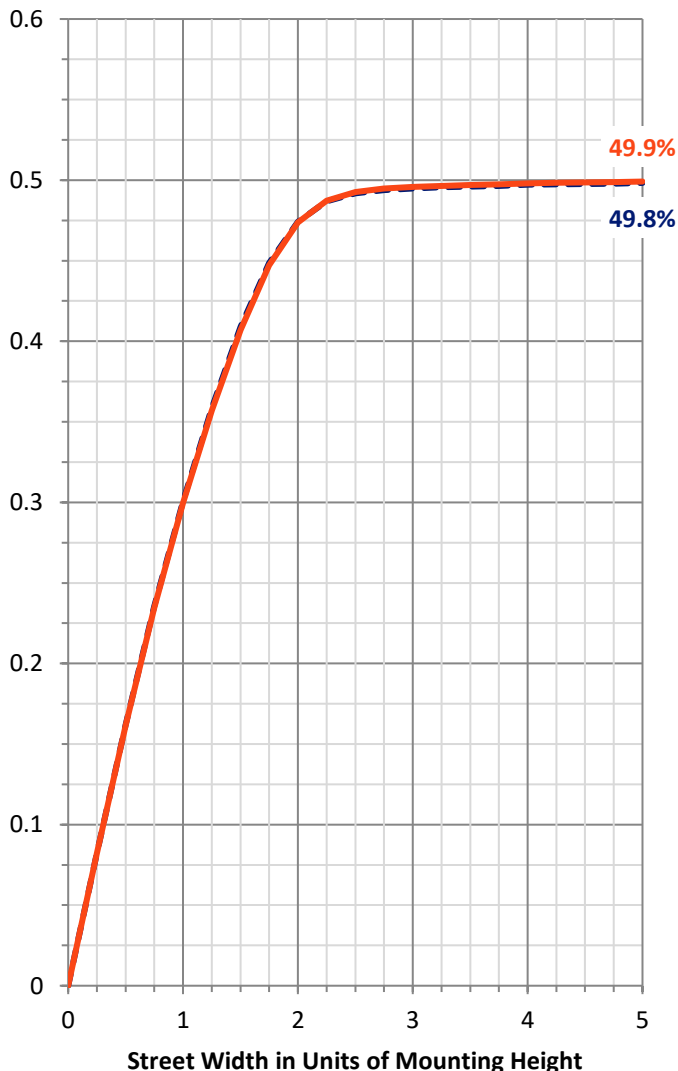
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7845.8	0.0	7845.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7845.8	0.0	7845.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15691.7	0.0	15691.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.9	1.2
10°-20°	597.6	3.8
20°-30°	1121.2	7.1
30°-40°	1854.3	11.8
40°-50°	2872.0	18.3
50°-60°	4404.8	28.1
60°-70°	4110.2	26.2
70°-80°	478.4	3.0
80°-90°	67.2	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°	15691.7	100.0
0°-180°	15691.7	100.0

**Coefficient of Utilization**



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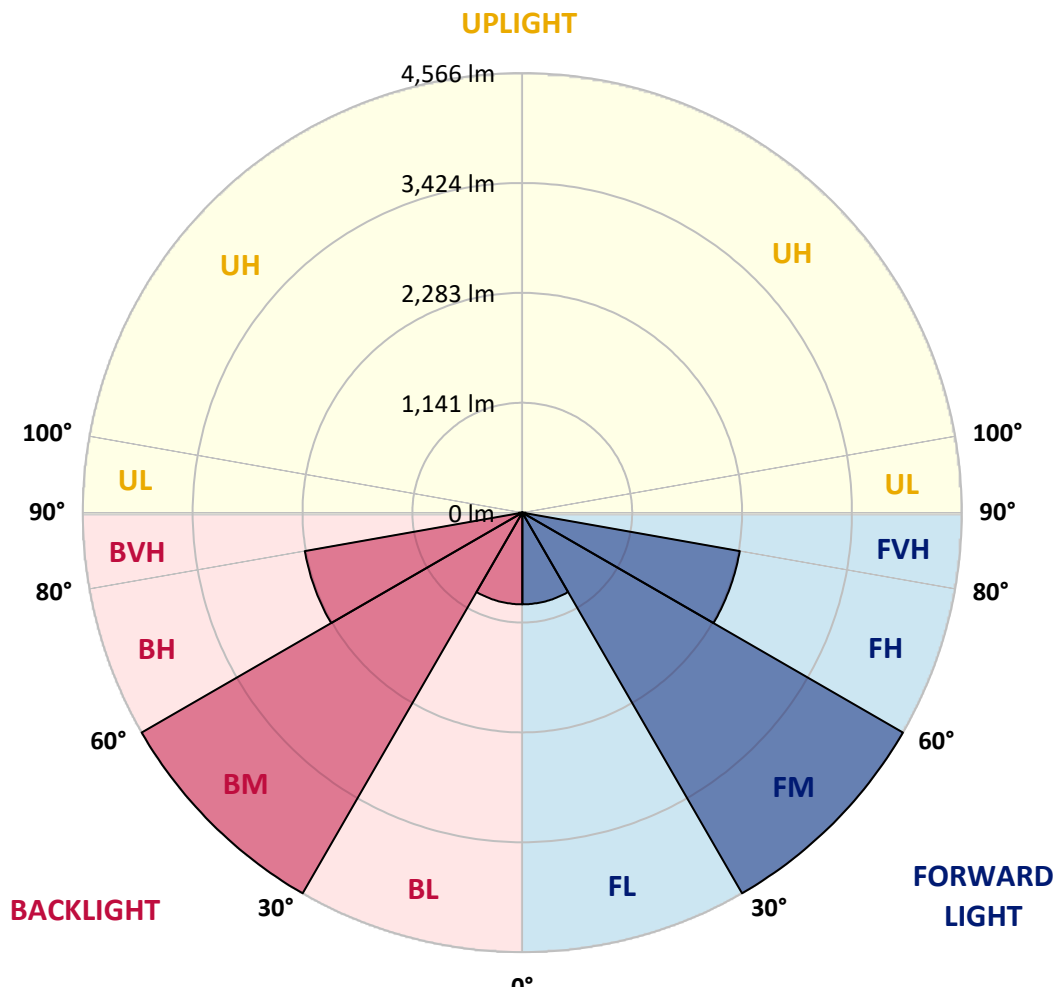
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	952.4	6.1			
FM (30°-60°)	4565.5	29.1			
FH (60°-80°)	2294.3	14.6			G2/5000
FVH (80°-90°)	33.6	0.2			G1/100
BL (0°-30°)	952.4	6.1	B2/1000		
BM (30°-60°)	4565.5	29.1	B3/5000		
BH (60°-80°)	2294.3	14.6	B3/2500		G2/5000
BVH (80°-90°)	33.6	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-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1894.9	1894.9	1894.9	1894.9	1894.9	1894.9	1894.9	1894.9	1894.9	1894.9	1894.9
2.5°	1901.2	1900.2	1901.2	1901.7	1898.6	1900.2	1899.6	1902.3	1903.3	1902.3	1902.3
5°	1923.1	1921.5	1923.6	1926.2	1922.1	1923.1	1921.5	1924.6	1925.7	1923.6	1925.2
7.5°	1953.3	1953.8	1955.9	1960.6	1958.0	1960.0	1956.9	1957.5	1956.9	1953.8	1954.3
10°	1986.2	1986.6	1990.3	1996.5	1997.6	1997.6	1995.5	1994.0	1991.9	1989.7	1990.3
12.5°	2025.7	2028.3	2030.9	2038.8	2038.8	2042.9	2041.9	2037.6	2034.1	2030.9	2030.9
15°	2079.3	2078.9	2082.0	2089.8	2093.4	2100.2	2100.2	2094.5	2089.8	2086.7	2085.6
17.5°	2135.6	2137.2	2139.3	2148.7	2154.4	2162.2	2163.2	2158.5	2155.4	2151.2	2148.7
20°	2201.3	2203.8	2212.2	2215.8	2221.0	2228.3	2231.0	2229.9	2226.7	2224.7	2225.2
22.5°	2277.8	2284.6	2289.8	2295.0	2301.2	2306.5	2309.0	2312.7	2309.6	2308.0	2307.0
25°	2370.6	2375.3	2385.6	2395.0	2399.2	2400.7	2403.9	2409.1	2408.5	2404.9	2404.9
27.5°	2475.8	2484.6	2497.7	2511.2	2511.2	2505.9	2516.4	2525.2	2522.1	2517.4	2511.2
30°	2603.3	2611.7	2626.8	2645.5	2636.2	2632.6	2646.6	2662.7	2658.0	2650.2	2649.2
32.5°	2740.9	2748.7	2768.5	2788.8	2776.8	2771.6	2786.7	2810.2	2801.8	2786.1	2776.8
35°	2889.9	2897.7	2925.7	2950.3	2930.0	2921.1	2933.6	2959.1	2944.5	2915.4	2908.1
37.5°	3051.8	3056.0	3092.5	3117.5	3103.4	3080.0	3095.6	3114.4	3101.9	3066.5	3052.4
40°	3220.1	3235.2	3277.4	3306.6	3282.1	3245.0	3271.2	3297.2	3278.4	3233.1	3209.2
42.5°	3416.5	3427.9	3484.2	3510.2	3470.6	3418.5	3454.0	3489.4	3470.6	3426.9	3406.1
45°	3620.6	3638.4	3705.5	3731.6	3674.3	3608.1	3651.3	3713.3	3711.8	3648.8	3626.9
47.5°	3843.1	3860.7	3940.9	3975.3	3913.4	3824.8	3885.8	3973.3	3967.1	3897.7	3880.1
50°	4099.9	4118.6	4218.6	4261.8	4204.1	4100.9	4192.6	4269.6	4258.2	4172.8	4174.3
52.5°	4422.3	4421.3	4545.7	4620.7	4561.3	4470.2	4554.6	4629.6	4582.2	4463.9	4460.3
55°	4704.6	4721.8	4875.9	5018.1	5014.5	4979.6	5013.5	5016.6	4881.2	4723.8	4704.6
57.5°	4890.0	4922.8	5140.1	5397.4	5590.1	5636.5	5570.8	5371.8	5054.6	4803.0	4772.3
60°	4776.0	4825.9	5167.1	5691.7	6259.5	6531.9	6161.5	5544.2	4919.7	4569.1	4527.5
62.5°	4006.1	4090.5	4590.0	5549.5	6835.5	7631.9	6589.7	5267.7	4383.2	3900.4	3829.0
65°	2439.8	2528.8	3131.0	4567.6	6742.3	8502.8	6394.4	4372.3	3199.3	2598.6	2521.6
67.5°	813.1	839.2	1193.9	2524.7	5298.9	7639.7	5307.8	2617.4	1392.3	923.0	895.9
70°	318.3	320.9	378.7	731.9	2502.4	5247.4	2761.2	744.8	395.9	313.0	319.9
72.5°	233.9	234.9	251.1	305.8	652.1	2311.7	675.6	307.3	244.3	219.3	219.3
75°	188.1	188.1	199.5	222.9	292.2	530.3	296.4	220.3	191.2	175.0	172.9
77.5°	148.4	151.6	160.4	175.6	197.9	255.2	205.3	174.5	154.2	139.0	135.9
80°	110.5	113.6	128.1	135.5	142.2	177.1	151.6	136.5	121.8	104.2	101.1
82.5°	72.4	75.5	93.8	97.9	96.4	115.6	102.1	100.5	89.6	67.2	64.1
85°	47.4	48.5	62.5	65.1	59.9	52.6	65.1	68.8	62.5	43.8	42.2
87.5°	22.4	22.4	31.8	29.7	27.1	21.9	29.7	34.9	35.4	21.3	20.9
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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