

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: P387055

Luminaire Tested: **GWC-SA2D-735-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P387055
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
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-RW
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15549.8 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 129
Input Voltage (V): NR
Input Current (A_{in}): 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

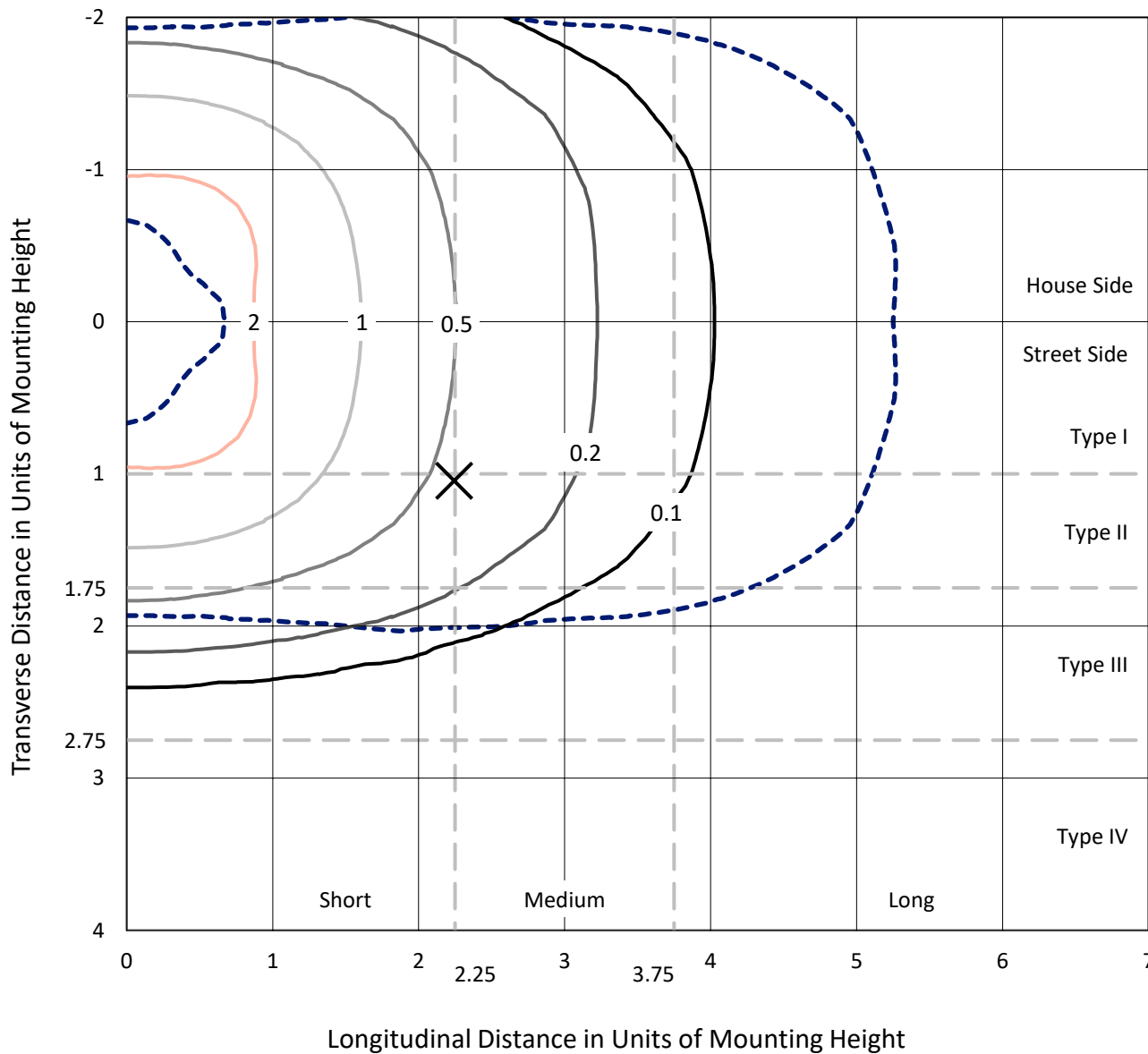


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Iso-Footcandle Lines of Horizontal Illumination

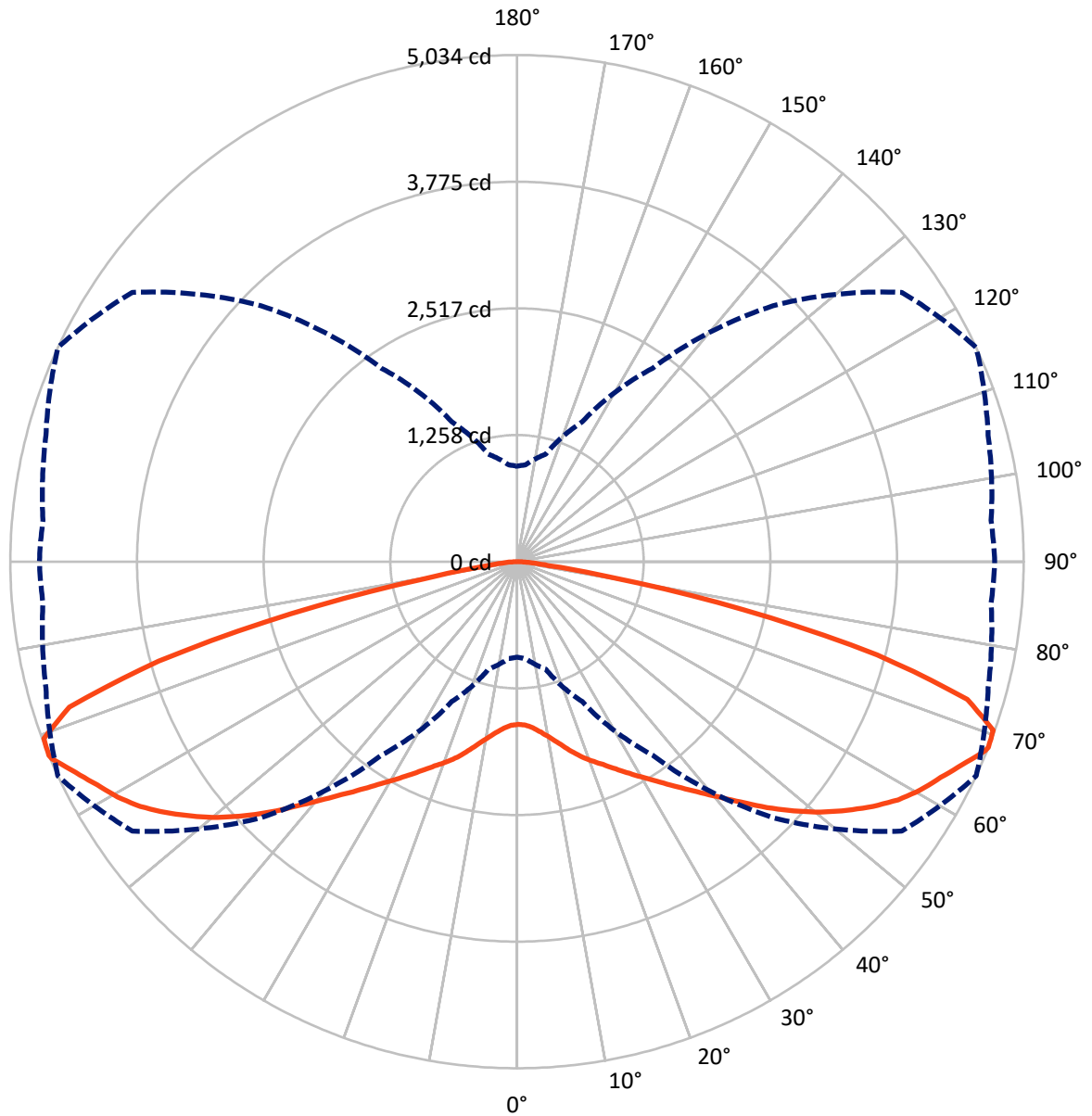
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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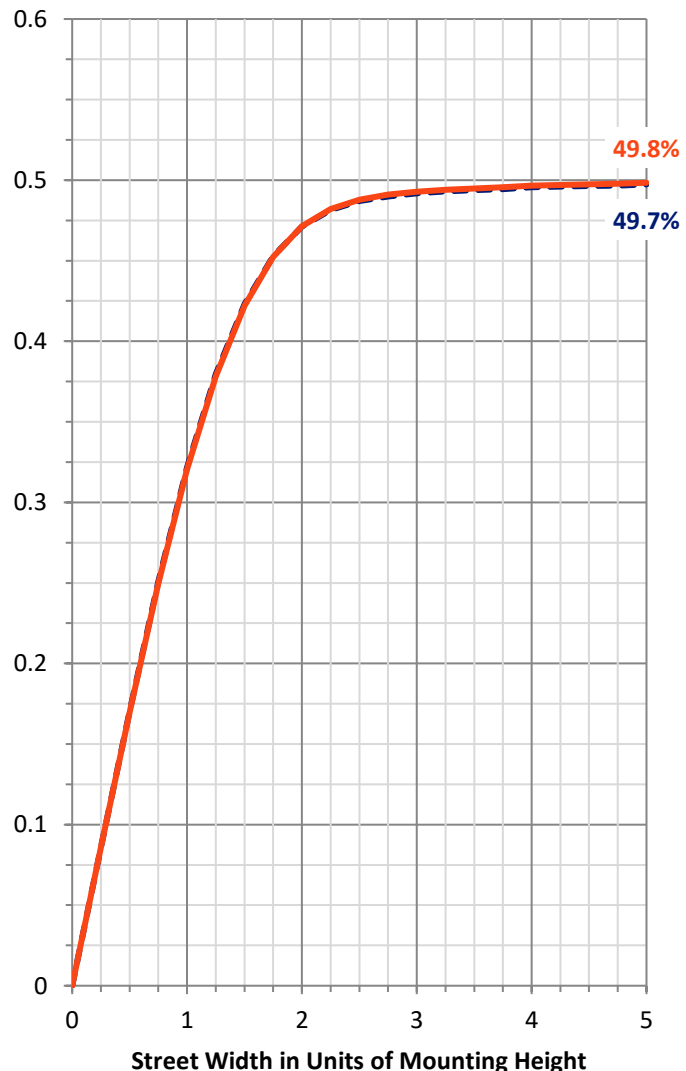
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7774.9	0.0	7774.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7774.9	0.0	7774.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	15549.8	0.0	15549.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.3	1.0
10°-20°	530.0	3.4
20°-30°	1033.5	6.6
30°-40°	1736.1	11.2
40°-50°	2735.5	17.6
50°-60°	3658.3	23.5
60°-70°	3556.3	22.9
70°-80°	1944.0	12.5
80°-90°	197.7	1.3
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°	15549.8	100.0
0°-180°	15549.8	100.0



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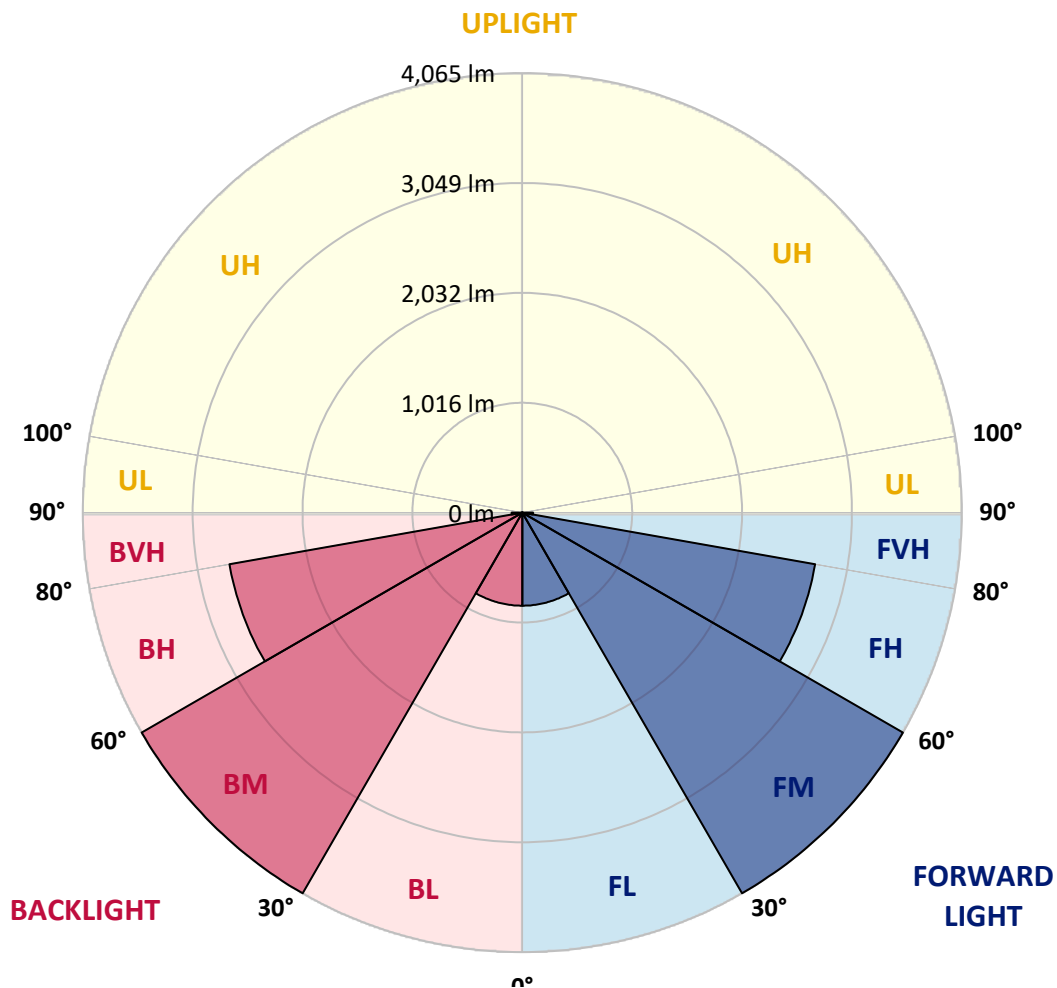
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	860.9	5.5			
FM (30°-60°)	4065.0	26.1			
FH (60°-80°)	2750.2	17.7			G2/5000
FVH (80°-90°)	98.9	0.6			G1/100
BL (0°-30°)	860.9	5.5	B2/1000		
BM (30°-60°)	4065.0	26.1	B3/5000		
BH (60°-80°)	2750.2	17.7	B4/5000		G4/5000
BVH (80°-90°)	98.9	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1616.8	1616.8	1616.8	1616.8	1616.8	1616.8	1616.8	1616.8	1616.8	1616.8	1616.8
2.5°	1605.3	1605.9	1608.4	1611.6	1614.2	1621.0	1622.5	1625.2	1626.2	1628.8	1628.8
5°	1591.2	1592.3	1598.6	1606.9	1616.3	1632.9	1645.0	1658.5	1665.3	1672.6	1672.1
7.5°	1589.7	1592.3	1601.2	1614.7	1630.4	1658.0	1683.0	1710.2	1728.4	1745.1	1744.0
10°	1605.9	1610.0	1622.5	1642.9	1666.3	1700.8	1737.8	1774.2	1806.1	1831.6	1832.7
12.5°	1630.4	1635.6	1655.4	1686.1	1721.6	1766.0	1809.7	1850.9	1894.7	1932.8	1935.9
15°	1662.7	1669.5	1699.2	1745.1	1799.3	1851.9	1898.9	1941.1	1991.7	2044.3	2049.6
17.5°	1710.6	1720.0	1759.1	1821.2	1892.6	1950.5	1999.5	2031.3	2073.5	2127.7	2137.7
20°	1783.6	1795.7	1845.2	1919.2	2006.3	2066.8	2104.3	2111.1	2132.0	2180.4	2191.9
22.5°	1878.5	1888.9	1944.3	2032.4	2129.9	2195.6	2215.4	2188.2	2186.2	2225.2	2236.2
25°	1984.4	1993.8	2057.9	2156.9	2261.8	2334.2	2333.7	2281.0	2244.6	2274.8	2286.3
27.5°	2103.3	2117.9	2179.4	2283.7	2395.7	2467.2	2463.0	2381.6	2312.3	2320.1	2330.1
30°	2239.9	2256.0	2316.0	2421.9	2533.9	2603.8	2598.6	2491.2	2386.9	2366.1	2373.4
32.5°	2409.4	2428.6	2485.4	2589.7	2688.7	2751.9	2736.7	2610.0	2476.6	2431.2	2438.0
35°	2613.2	2624.7	2684.6	2787.3	2867.6	2910.9	2879.1	2747.7	2590.2	2535.5	2535.5
37.5°	2819.7	2828.5	2895.8	2995.4	3073.0	3096.0	3034.0	2898.4	2738.8	2661.1	2662.7
40°	3017.8	3041.8	3117.4	3219.6	3296.1	3302.4	3220.1	3070.4	2904.1	2823.8	2833.2
42.5°	3224.8	3248.2	3338.4	3454.2	3522.0	3532.4	3435.9	3263.4	3090.8	3025.6	3036.0
45°	3409.3	3428.1	3532.4	3666.9	3751.4	3778.4	3664.3	3484.4	3292.6	3228.9	3231.5
47.5°	3538.1	3562.7	3677.4	3835.8	3958.9	4000.6	3888.5	3699.7	3491.2	3414.0	3420.8
50°	3654.9	3668.0	3784.2	3957.3	4113.7	4199.7	4103.8	3912.5	3691.9	3610.1	3617.3
52.5°	3720.1	3736.7	3849.4	4029.8	4214.9	4353.5	4295.2	4103.8	3885.9	3806.1	3815.0
55°	3674.7	3687.2	3822.3	4046.0	4277.4	4448.4	4457.3	4291.0	4076.2	4006.3	4031.3
57.5°	3468.2	3483.9	3648.6	3941.7	4285.2	4512.6	4579.4	4464.7	4254.0	4197.1	4211.8
60°	3145.5	3155.4	3331.1	3660.6	4133.1	4539.2	4657.0	4606.4	4428.1	4371.3	4391.1
62.5°	2570.5	2585.0	2795.2	3236.8	3811.3	4460.4	4732.1	4723.7	4590.3	4538.1	4555.9
65°	1757.0	1782.6	2015.2	2573.6	3315.5	4219.6	4800.4	4860.3	4733.6	4667.9	4691.4
67.5°	1061.0	1079.8	1248.2	1699.2	2537.0	3733.6	4730.0	5015.7	4834.8	4728.9	4748.3
68°	948.4	965.6	1106.4	1533.4	2346.8	3596.5	4665.9	5033.5	4845.8	4727.9	4745.2
70°	573.0	584.5	678.8	947.8	1564.7	2853.0	4228.4	5018.8	4915.6	4742.5	4752.4
72.5°	373.3	377.0	392.6	486.4	799.2	1595.5	3173.6	4676.8	5020.4	4827.5	4825.9
75°	310.2	308.1	309.7	320.6	394.2	699.7	1854.6	3694.5	4785.7	4693.5	4660.6
77.5°	262.3	260.7	260.2	260.7	263.8	337.9	805.1	2301.4	3662.2	4151.7	4181.0
80°	212.2	210.1	216.9	213.8	204.4	210.1	337.3	957.2	1726.3	1857.2	1740.4
82.5°	154.3	146.5	175.7	167.4	159.5	148.0	186.1	309.2	411.9	282.6	198.7
85°	118.8	110.6	133.5	128.2	109.5	75.6	110.6	151.2	166.8	95.4	75.1
87.5°	48.5	51.1	96.5	76.1	64.2	36.5	45.4	60.5	81.4	40.7	31.3
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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