

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: P386798

Luminaire Tested: **GWC-SA2C-730-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P386798  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GWC-SA2C-730-U-5MQ  
Description: GALLEON WALL LUMINAIRE  
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14123 lumens  
Efficiency: N/A  
Efficacy: 125.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

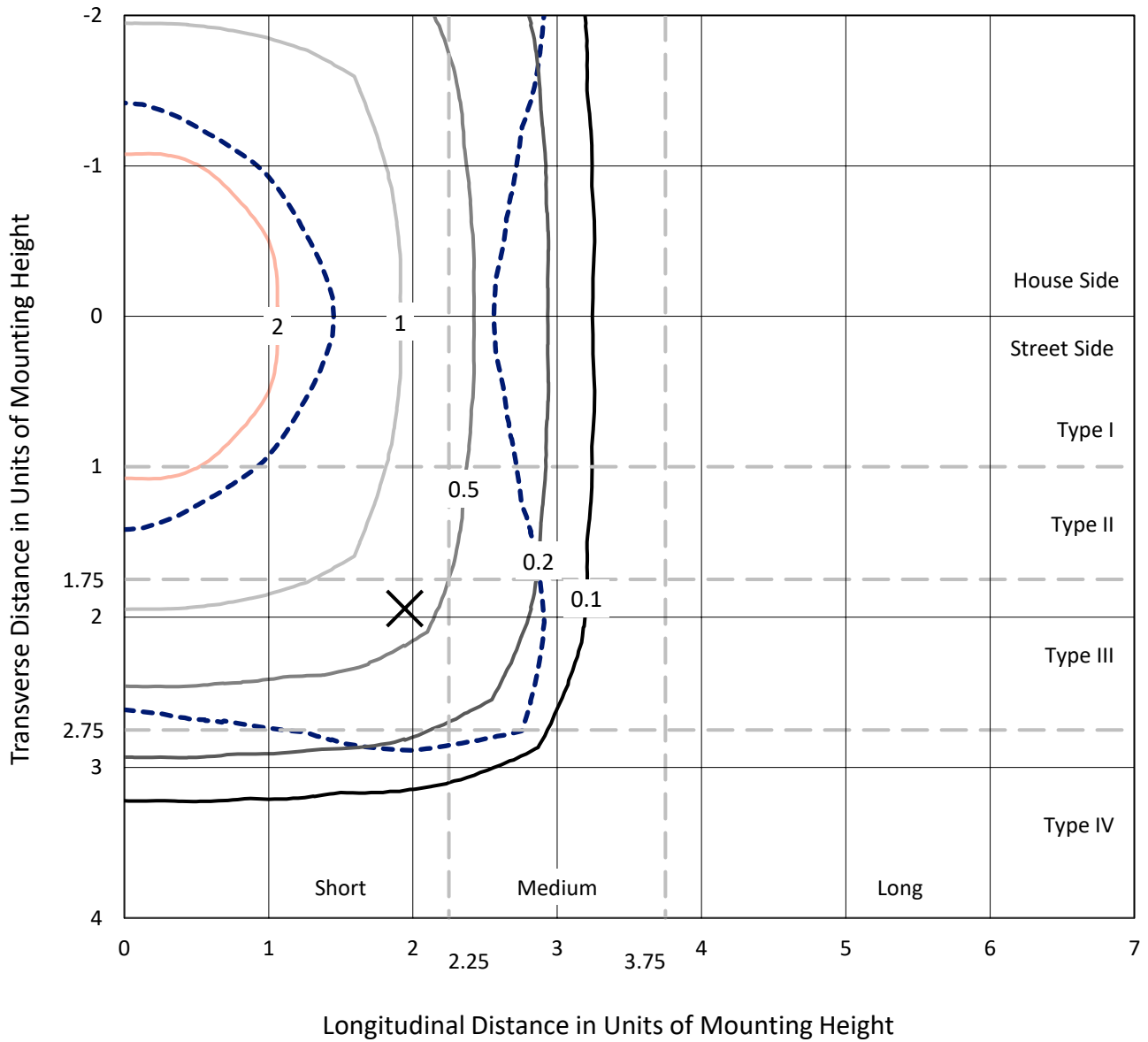
Input Watts (W): 113  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

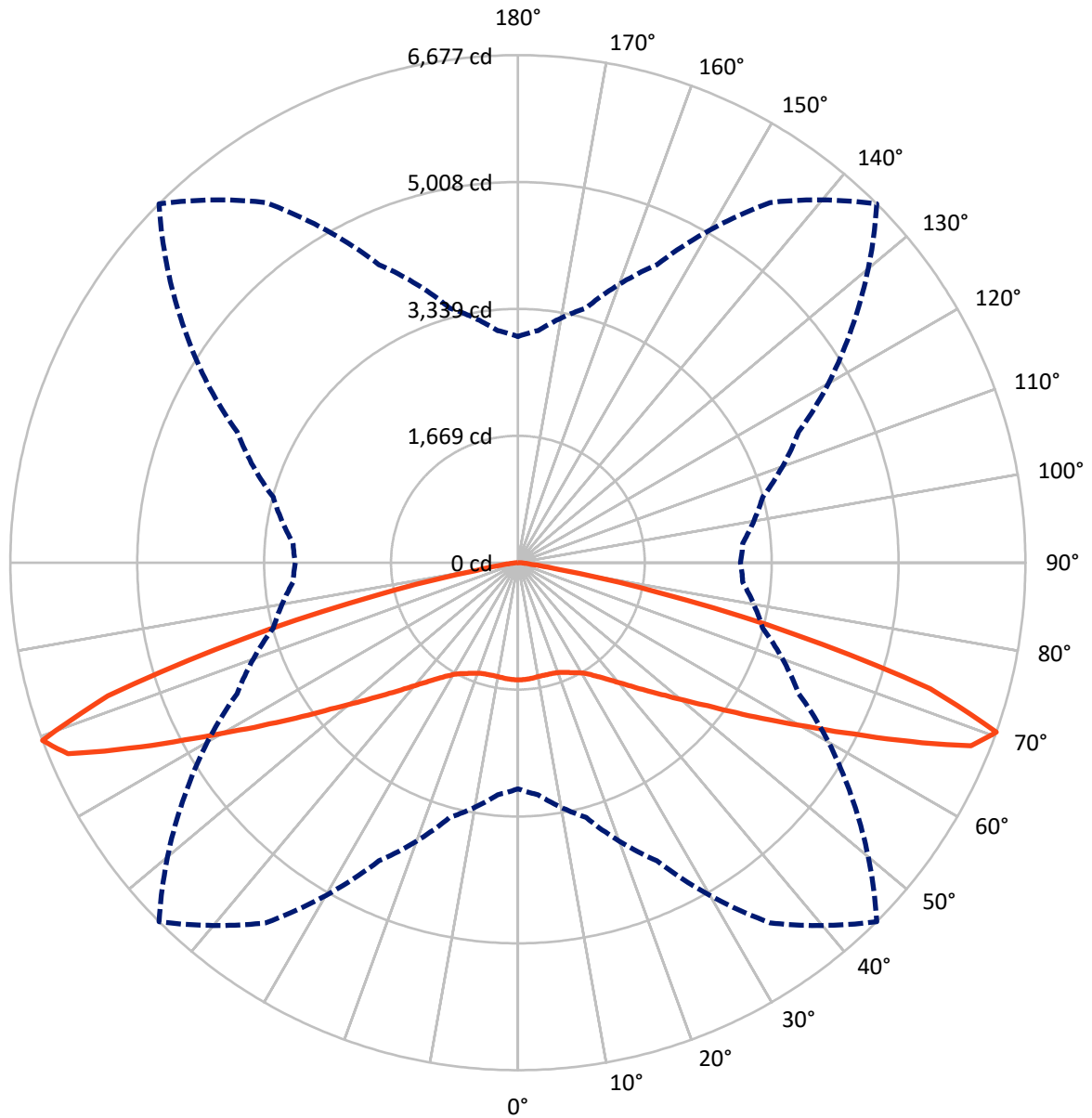
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.9 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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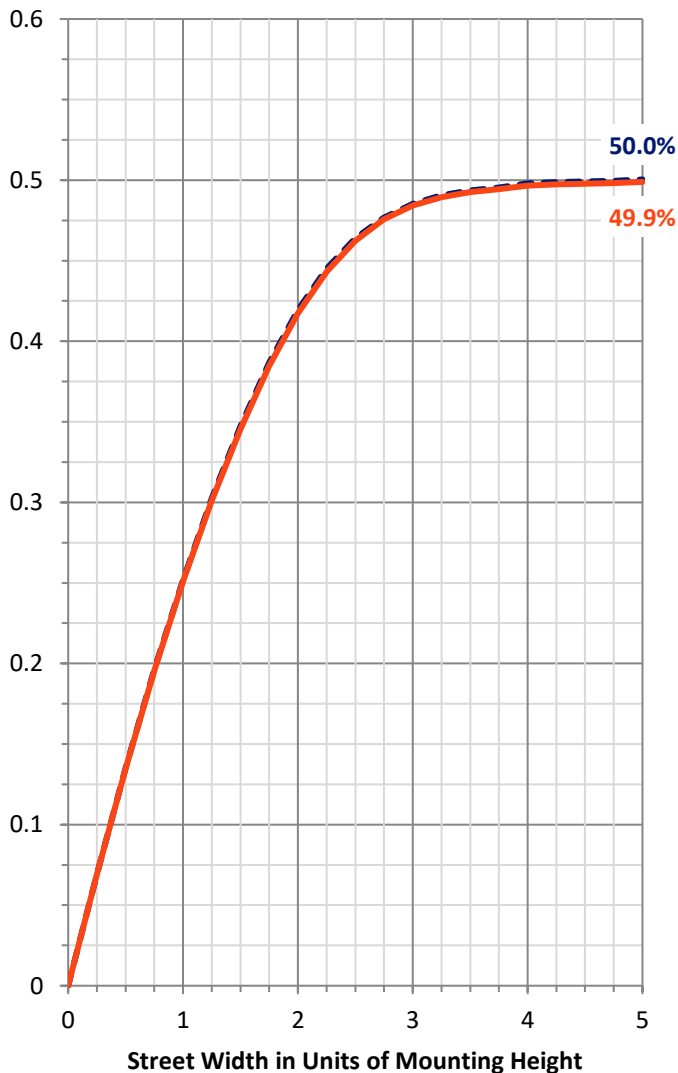
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7061.5	0.0	7061.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7061.5	0.0	7061.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14123.0	0.0	14123.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.1	1.0
10°-20°	428.9	3.0
20°-30°	730.1	5.2
30°-40°	1157.9	8.2
40°-50°	1884.3	13.3
50°-60°	3106.8	22.0
60°-70°	4560.9	32.3
70°-80°	2016.8	14.3
80°-90°	91.3	0.6
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°	14123.0	100.0
0°-180°	14123.0	100.0

**Coefficient of Utilization**



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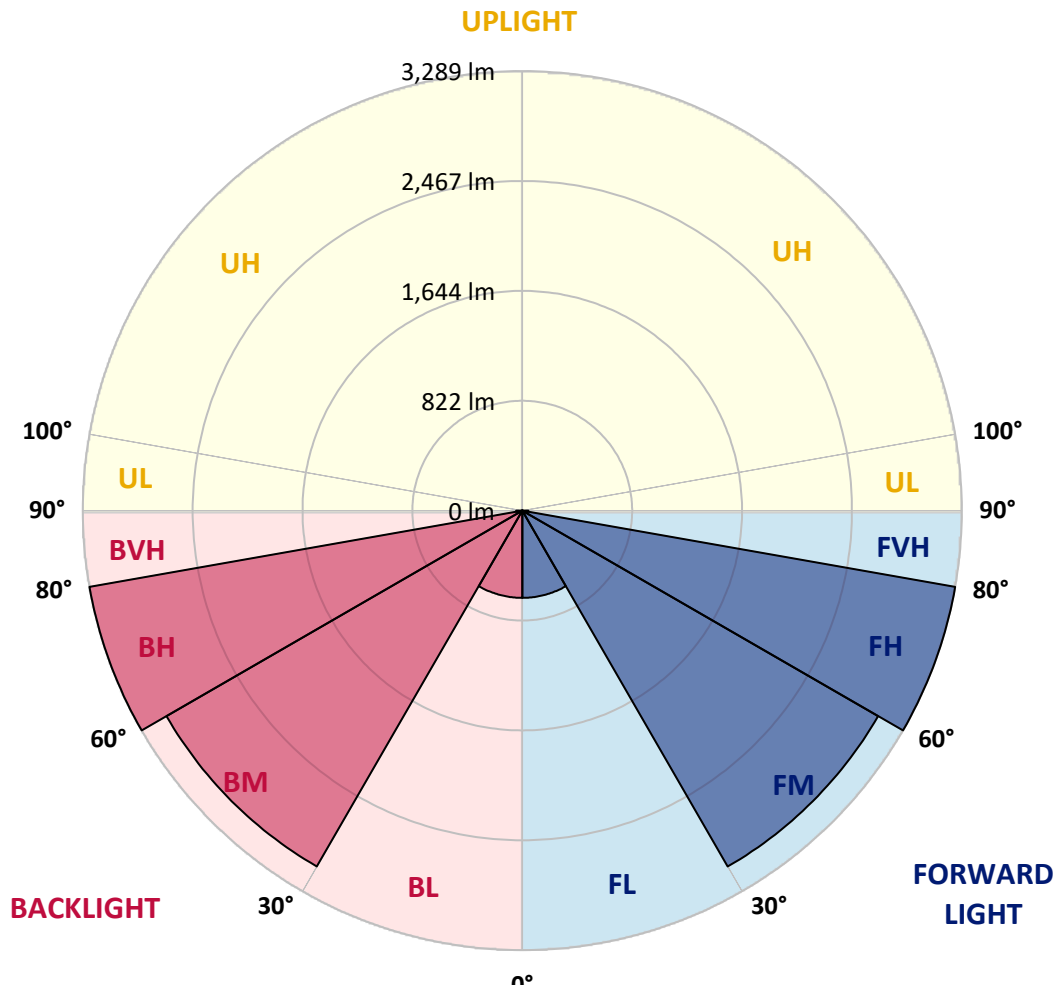
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	652.5	4.6			
FM (30°-60°)	3074.5	21.8			
FH (60°-80°)	3288.8	23.3			G2/5000
FVH (80°-90°)	45.7	0.3			G1/100
BL (0°-30°)	652.5	4.6	B2/1000		
BM (30°-60°)	3074.5	21.8	B3/5000		
BH (60°-80°)	3288.8	23.3	B4/5000		G2/5000
BVH (80°-90°)	45.7	0.3			G1/100
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°	1542.5	1542.5	1542.5	1542.5	1542.5	1542.5	1542.5	1542.5	1542.5	1542.5	1542.5
2.5°	1540.1	1538.7	1542.0	1541.5	1538.7	1539.2	1539.2	1540.6	1540.6	1539.6	1539.6
5°	1534.5	1533.6	1537.3	1537.3	1534.5	1535.4	1536.4	1537.8	1537.3	1536.4	1535.9
7.5°	1527.5	1527.0	1530.8	1530.8	1528.9	1529.8	1528.9	1529.4	1528.4	1527.5	1526.1
10°	1515.8	1516.7	1520.0	1521.0	1521.0	1521.4	1520.5	1518.1	1516.7	1515.3	1513.9
12.5°	1505.1	1504.6	1509.3	1511.6	1515.3	1519.5	1516.7	1510.2	1507.4	1504.6	1503.7
15°	1498.0	1498.5	1503.2	1507.4	1513.9	1522.8	1519.5	1509.3	1503.7	1500.4	1499.4
17.5°	1496.6	1497.6	1503.7	1511.1	1518.1	1528.0	1526.1	1515.8	1506.5	1500.4	1499.0
20°	1499.9	1500.4	1509.7	1520.5	1532.6	1542.0	1537.8	1526.6	1513.9	1504.6	1502.3
22.5°	1506.0	1507.9	1519.5	1536.4	1555.1	1567.7	1562.5	1543.4	1523.8	1512.1	1508.8
25°	1525.2	1525.6	1541.5	1564.4	1586.9	1601.3	1595.3	1568.2	1542.9	1529.8	1525.6
27.5°	1564.9	1566.3	1582.2	1608.8	1628.0	1637.3	1633.6	1611.6	1590.1	1576.1	1577.5
30°	1622.4	1624.2	1642.0	1671.5	1683.1	1685.5	1684.5	1674.3	1654.6	1635.9	1637.3
32.5°	1692.5	1693.4	1717.3	1743.9	1753.3	1755.1	1753.3	1743.9	1720.5	1695.3	1696.7
35°	1782.7	1785.5	1808.4	1834.1	1841.6	1845.3	1842.1	1829.9	1805.6	1780.8	1779.9
37.5°	1893.9	1894.4	1918.2	1944.9	1954.2	1955.2	1951.4	1943.5	1913.1	1890.7	1889.3
40°	2022.9	2024.8	2052.9	2081.4	2085.1	2080.9	2086.0	2081.4	2050.1	2024.4	2028.6
42.5°	2180.0	2184.2	2217.9	2245.9	2235.2	2232.8	2236.1	2237.5	2212.2	2180.9	2178.1
45°	2362.8	2366.5	2408.6	2431.0	2424.0	2408.6	2415.1	2426.3	2391.3	2352.5	2356.2
47.5°	2571.2	2580.6	2625.4	2646.5	2629.2	2608.1	2620.8	2637.6	2596.5	2548.3	2546.0
50°	2803.1	2814.7	2874.6	2904.0	2886.7	2847.9	2869.0	2880.2	2820.8	2758.7	2753.5
52.5°	3050.3	3062.0	3137.3	3198.0	3186.8	3126.5	3155.9	3144.3	3076.0	2992.4	2985.8
55°	3330.3	3335.0	3416.3	3514.5	3525.7	3481.3	3479.4	3460.2	3359.3	3262.5	3257.8
57.5°	3618.2	3621.5	3726.7	3842.6	3895.4	3895.4	3843.0	3802.4	3668.2	3556.1	3544.4
60°	3929.0	3940.7	4057.1	4214.6	4338.0	4374.5	4281.9	4171.2	4025.3	3888.4	3874.8
62.5°	4205.8	4219.3	4397.4	4632.0	4830.2	4963.0	4736.7	4556.3	4290.8	4071.1	4045.4
65°	4240.8	4277.3	4536.7	4961.6	5405.1	5670.1	5236.4	4791.9	4308.1	4002.9	3976.7
67.5°	3873.0	3934.7	4285.2	4946.6	5863.2	6432.0	5555.6	4657.3	3997.8	3660.3	3631.3
70°	2976.0	3065.7	3470.0	4326.8	5784.2	6677.4	5355.6	4077.2	3333.1	2969.9	2929.3
72.5°	1632.7	1669.6	2033.2	2962.9	4637.2	5674.4	4467.0	3014.8	2210.4	1798.6	1730.4
75°	517.9	531.0	716.1	1212.5	2623.1	3758.4	2837.6	1479.8	814.7	600.6	593.6
77.5°	230.0	231.4	258.9	353.8	903.5	1904.2	1085.3	402.9	277.6	242.6	250.5
80°	145.4	145.4	160.3	175.3	245.9	552.9	293.5	191.6	163.6	151.9	155.2
82.5°	69.6	77.1	104.2	112.2	135.1	186.0	150.5	125.3	109.4	81.3	75.7
85°	45.8	38.3	65.9	74.3	78.5	89.3	87.4	82.7	71.5	40.7	45.3
87.5°	20.6	19.6	34.1	31.3	29.4	22.4	33.7	41.6	40.2	20.1	20.1
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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