

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: P386826

Luminaire Tested: **GWC-SA2C-735-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386826
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-735-U-5MQ
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 3500K, 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: 14568.1 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

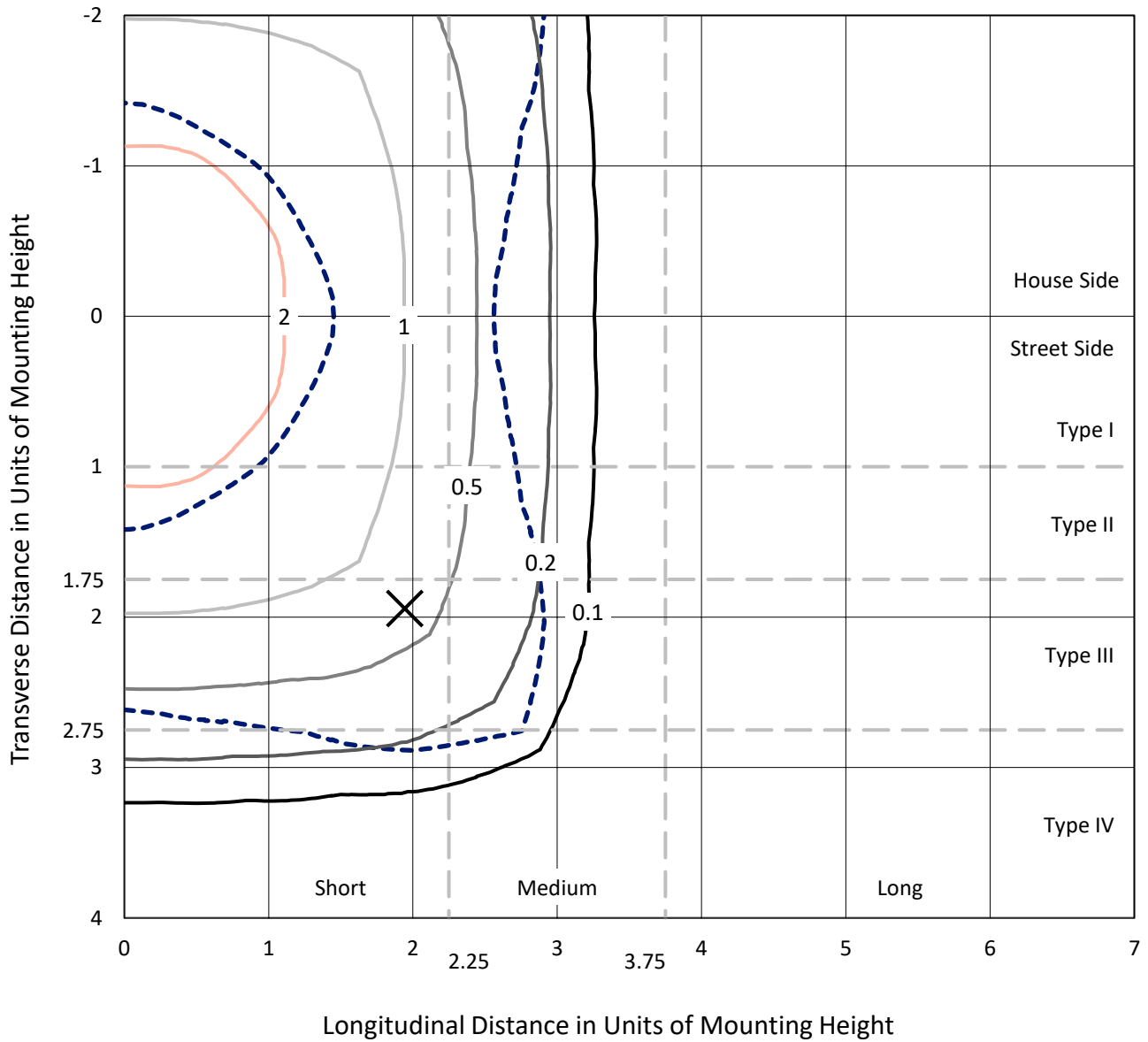
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

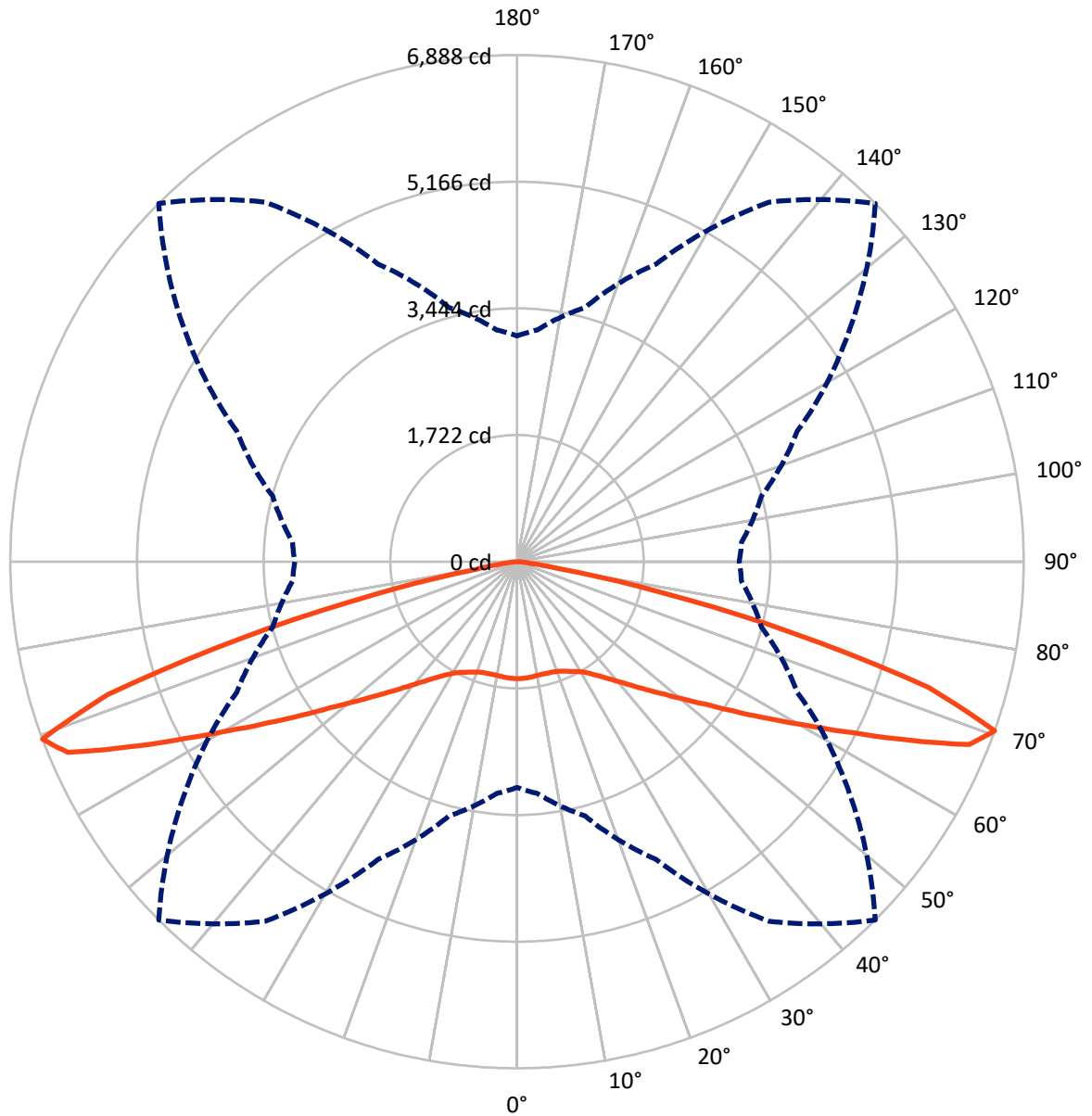
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4 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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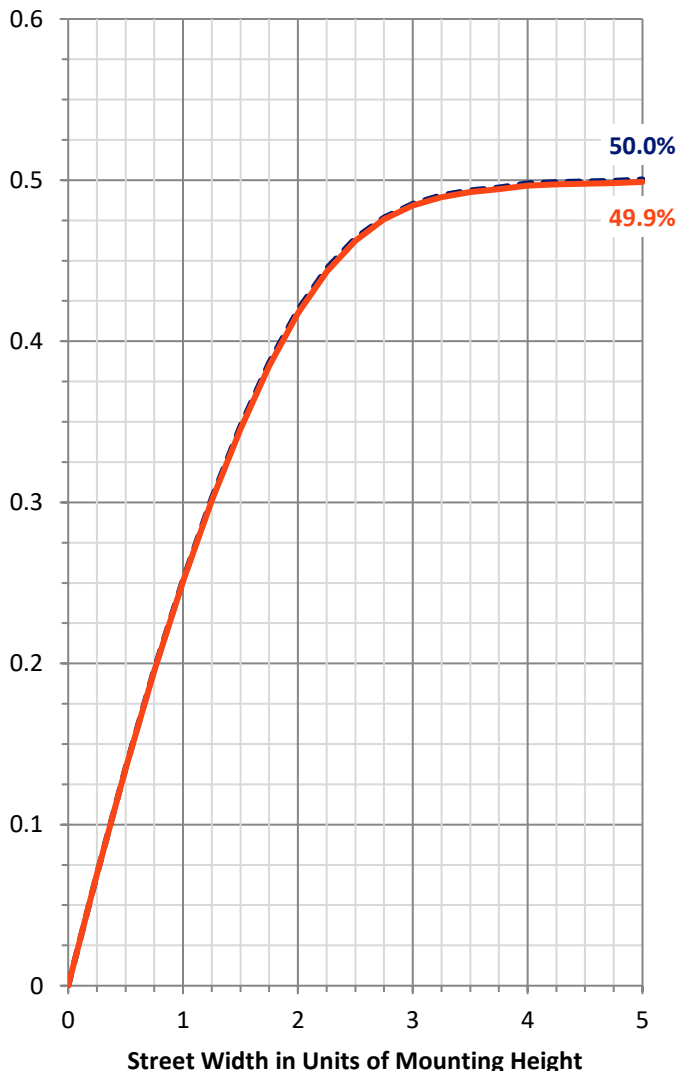
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7284.1	0.0	7284.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7284.1	0.0	7284.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	14568.1	0.0	14568.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.7	1.0
10°-20°	442.4	3.0
20°-30°	753.1	5.2
30°-40°	1194.4	8.2
40°-50°	1943.6	13.3
50°-60°	3204.7	22.0
60°-70°	4704.6	32.3
70°-80°	2080.4	14.3
80°-90°	94.2	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°	14568.1	100.0
0°-180°	14568.1	100.0

Coefficient of Utilization



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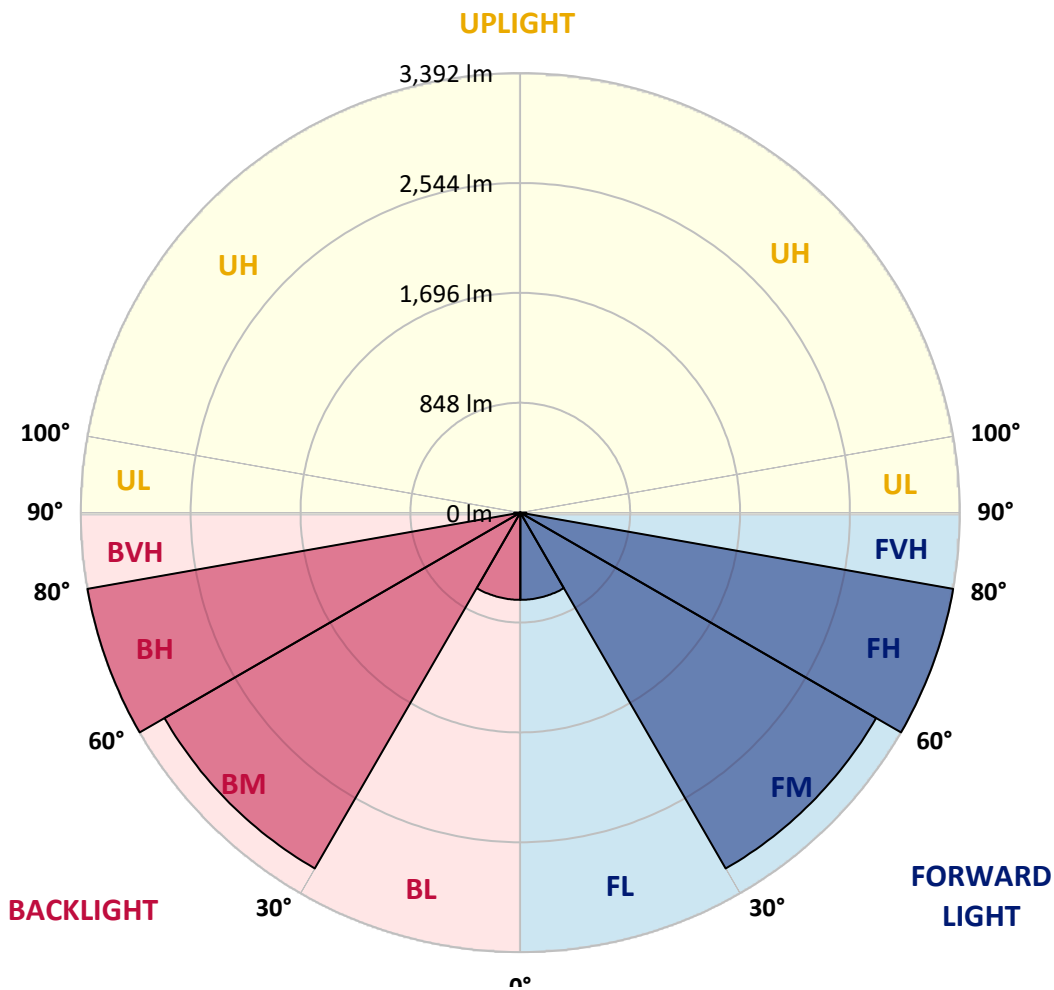
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	673.1	4.6			
FM (30°-60°)	3171.4	21.8			
FH (60°-80°)	3392.5	23.3			G2/5000
FVH (80°-90°)	47.1	0.3			G1/100
BL (0°-30°)	673.1	4.6	B2/1000		
BM (30°-60°)	3171.4	21.8	B3/5000		
BH (60°-80°)	3392.5	23.3	B4/5000		G2/5000
BVH (80°-90°)	47.1	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°	1591.1	1591.1	1591.1	1591.1	1591.1	1591.1	1591.1	1591.1	1591.1	1591.1	1591.1
2.5°	1588.6	1587.2	1590.6	1590.1	1587.2	1587.7	1587.7	1589.2	1589.2	1588.1	1588.1
5°	1582.9	1581.9	1585.8	1585.8	1582.9	1583.8	1584.8	1586.3	1585.8	1584.8	1584.3
7.5°	1575.6	1575.2	1579.0	1579.0	1577.1	1578.1	1577.1	1577.5	1576.6	1575.6	1574.2
10°	1563.6	1564.6	1567.9	1568.9	1568.9	1569.4	1568.4	1566.0	1564.6	1563.1	1561.6
12.5°	1552.5	1552.0	1556.9	1559.2	1563.1	1567.5	1564.6	1557.8	1554.9	1552.0	1551.0
15°	1545.3	1545.8	1550.6	1554.9	1561.6	1570.9	1567.5	1556.9	1551.0	1547.7	1546.7
17.5°	1543.8	1544.7	1551.0	1558.7	1566.0	1576.1	1574.2	1563.6	1553.9	1547.7	1546.2
20°	1547.2	1547.7	1557.3	1568.4	1580.9	1590.6	1586.3	1574.7	1561.6	1552.0	1549.6
22.5°	1553.5	1555.4	1567.5	1584.8	1604.1	1617.1	1611.8	1592.0	1571.8	1559.8	1556.4
25°	1573.2	1573.7	1590.1	1613.7	1636.9	1651.8	1645.5	1617.5	1591.5	1578.1	1573.7
27.5°	1614.3	1615.7	1632.0	1659.5	1679.3	1688.9	1685.1	1662.4	1640.3	1625.8	1627.2
30°	1673.5	1675.4	1693.7	1724.2	1736.2	1738.6	1737.6	1727.1	1706.8	1687.5	1688.9
32.5°	1745.9	1746.8	1771.4	1798.8	1808.5	1810.4	1808.5	1798.8	1774.8	1748.7	1750.2
35°	1838.9	1841.8	1865.4	1891.9	1899.6	1903.5	1900.1	1887.6	1862.5	1837.0	1836.0
37.5°	1953.7	1954.1	1978.7	2006.2	2015.8	2016.8	2012.9	2004.8	1973.4	1950.3	1948.8
40°	2086.7	2088.6	2117.6	2147.0	2150.8	2146.5	2151.8	2147.0	2114.7	2088.2	2092.5
42.5°	2248.7	2253.0	2287.8	2316.7	2305.6	2303.2	2306.6	2308.0	2282.0	2249.7	2246.7
45°	2437.3	2441.1	2484.5	2507.6	2500.4	2484.5	2491.2	2502.8	2466.7	2426.6	2430.5
47.5°	2652.3	2661.9	2708.2	2729.9	2712.0	2690.3	2703.4	2720.8	2678.3	2628.6	2626.3
50°	2891.4	2903.5	2965.2	2995.5	2977.7	2937.7	2959.4	2970.9	2909.7	2845.6	2840.3
52.5°	3146.4	3158.5	3236.1	3298.8	3287.2	3225.0	3255.4	3243.4	3173.0	3086.7	3079.9
55°	3435.3	3440.1	3523.9	3625.2	3636.8	3591.0	3589.0	3569.3	3465.1	3365.4	3360.5
57.5°	3732.2	3735.6	3844.1	3963.7	4018.2	4018.2	3964.1	3922.3	3783.9	3668.1	3656.1
60°	4052.9	4064.9	4185.0	4347.4	4474.7	4512.4	4416.9	4302.6	4152.2	4010.9	3996.9
62.5°	4338.3	4352.3	4536.0	4778.0	4982.5	5119.4	4886.0	4699.9	4426.0	4199.5	4173.0
65°	4374.5	4412.1	4679.7	5117.9	5575.5	5848.9	5401.4	4942.9	4443.9	4129.0	4102.1
67.5°	3995.1	4058.7	4420.2	5102.5	6048.0	6634.8	5730.8	4804.1	4123.8	3775.6	3745.7
70°	3069.8	3162.4	3579.4	4463.2	5966.5	6887.8	5524.4	4205.8	3438.2	3063.6	3021.6
72.5°	1684.1	1722.2	2097.3	3056.3	4783.3	5853.2	4607.8	3109.8	2280.0	1855.3	1784.8
75°	534.2	547.7	738.6	1250.7	2705.7	3876.9	2927.1	1526.4	840.4	619.5	612.3
77.5°	237.2	238.7	267.1	365.0	932.0	1964.3	1119.6	415.6	286.4	250.3	258.4
80°	149.9	149.9	165.3	180.8	253.6	570.4	302.8	197.6	168.7	156.7	160.1
82.5°	71.9	79.6	107.6	115.7	139.3	191.9	155.3	129.3	112.8	83.9	78.1
85°	47.3	39.5	68.0	76.7	81.0	92.1	90.2	85.3	73.7	42.0	46.8
87.5°	21.2	20.3	35.2	32.3	30.3	23.1	34.8	42.9	41.4	20.8	20.8
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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