

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: P386714

Luminaire Tested: **GWC-SA2B-830-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386714
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-SA2B-830-U-5MQ
Description: GALLEON WALL LUMINAIRE
(2) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9956 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

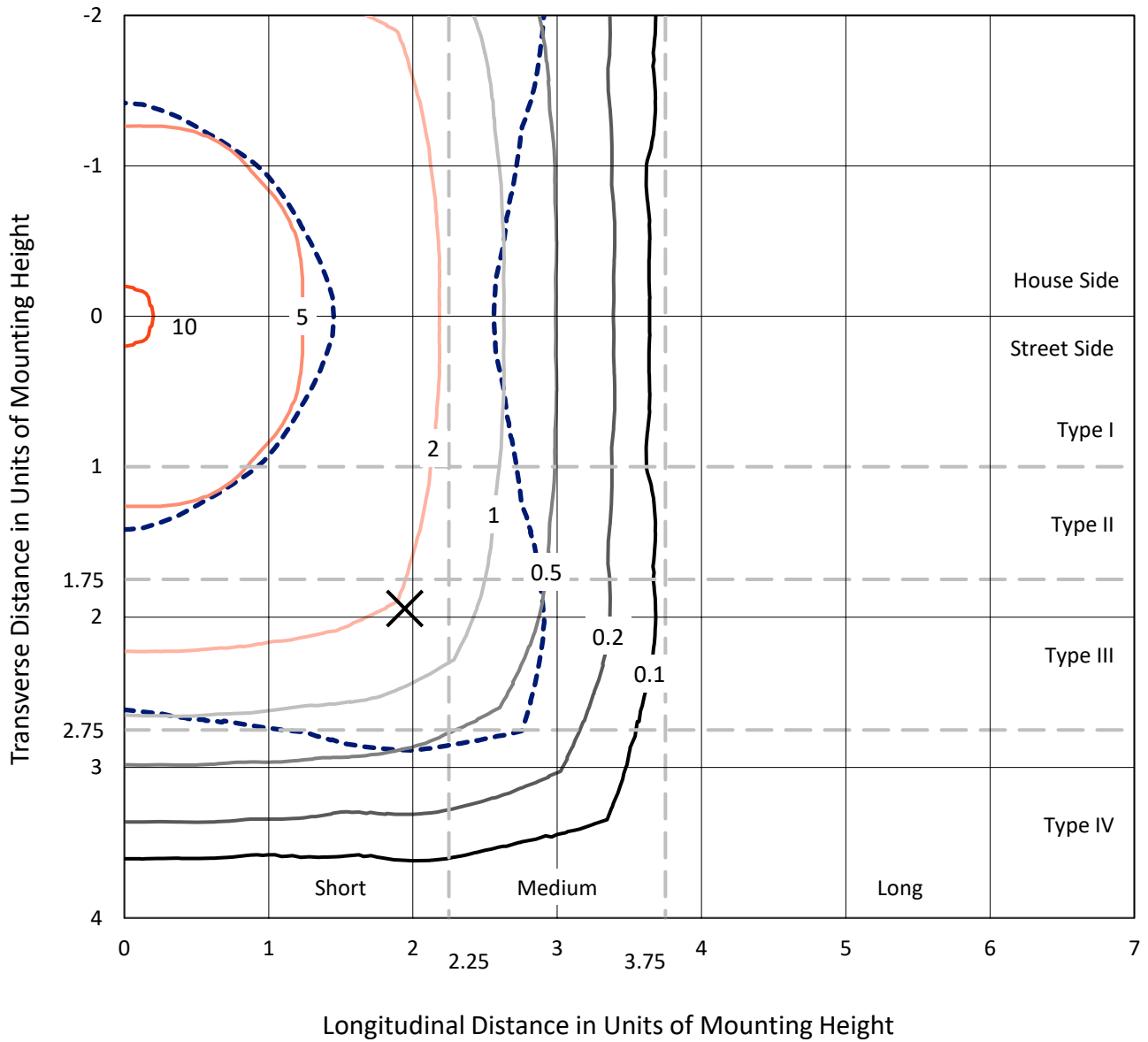
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

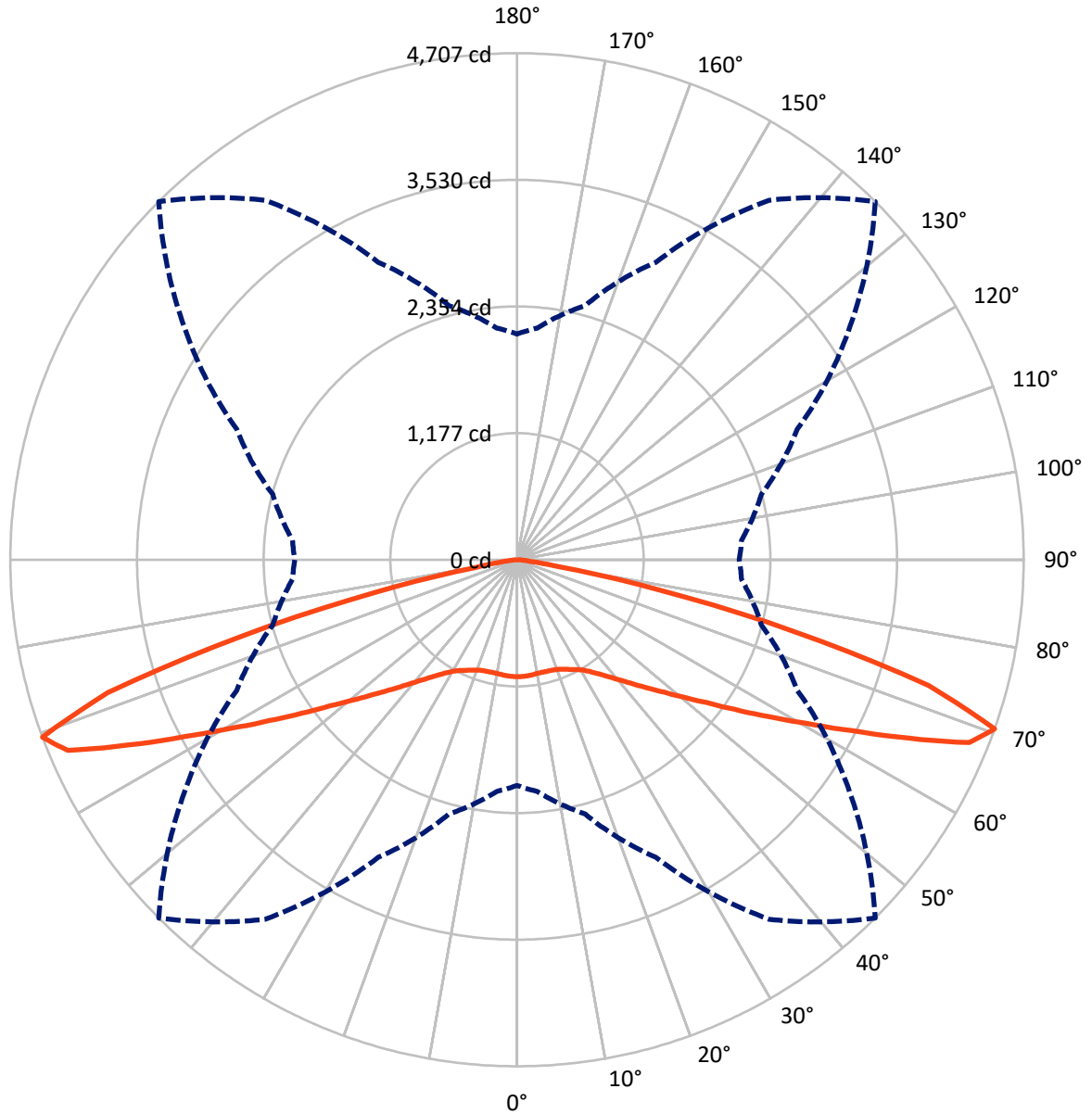
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.9 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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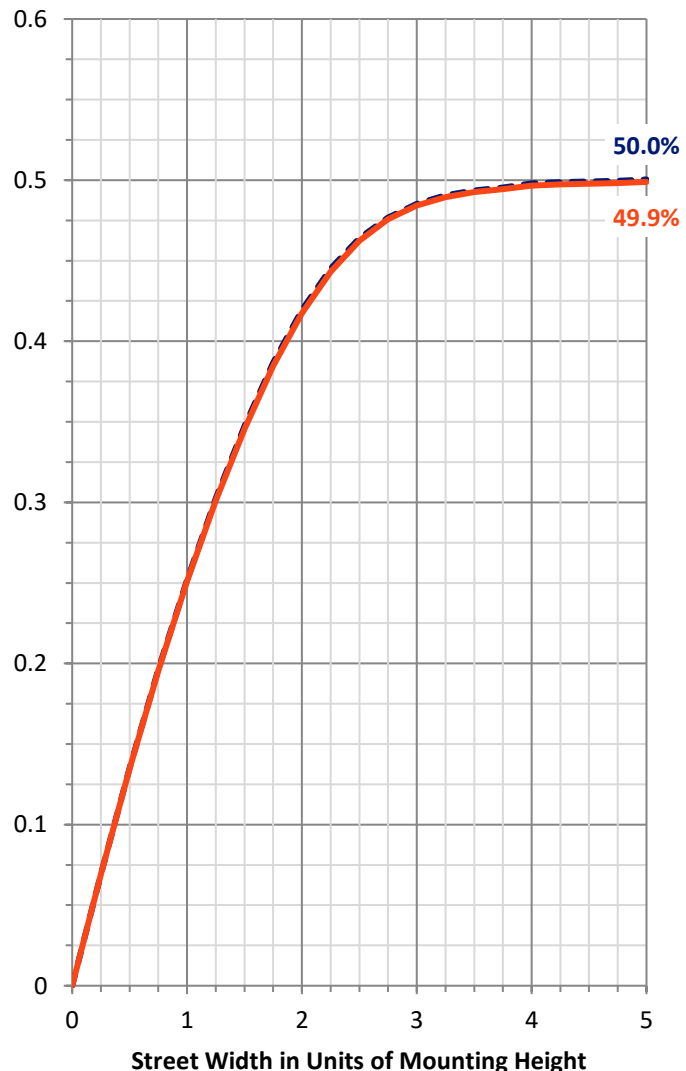
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4978.0	0.0	4978.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4978.0	0.0	4978.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9956.0	0.0	9956.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.0	1.0
10°-20°	302.3	3.0
20°-30°	514.7	5.2
30°-40°	816.3	8.2
40°-50°	1328.3	13.3
50°-60°	2190.1	22.0
60°-70°	3215.2	32.3
70°-80°	1421.7	14.3
80°-90°	64.4	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°	9956.0	100.0
0°-180°	9956.0	100.0



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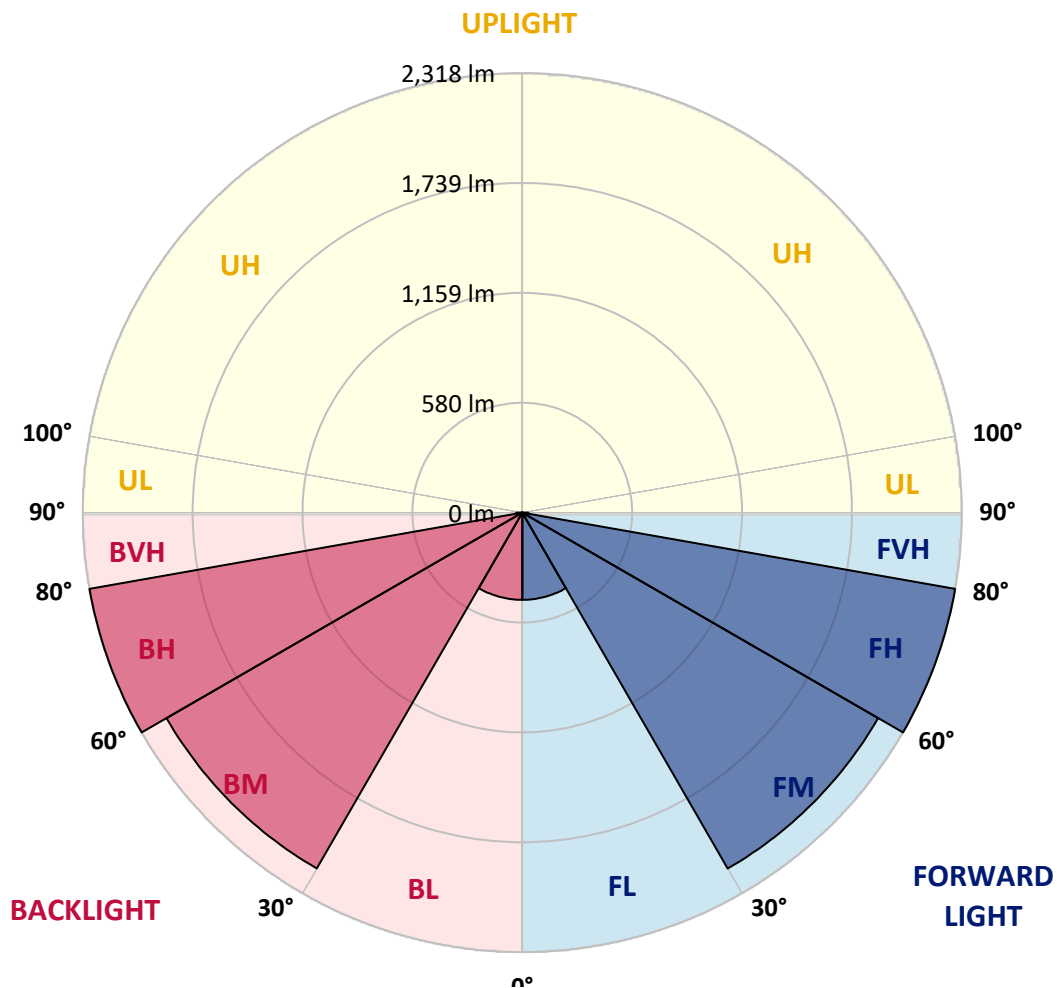
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	460.0	4.6			
FM (30°-60°)	2167.4	21.8			
FH (60°-80°)	2318.5	23.3			G2/5000
FVH (80°-90°)	32.2	0.3			G1/100
BL (0°-30°)	460.0	4.6	B1/500		
BM (30°-60°)	2167.4	21.8	B2/2500		
BH (60°-80°)	2318.5	23.3	B3/2500		G2/5000
BVH (80°-90°)	32.2	0.3			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°	1087.4	1087.4	1087.4	1087.4	1087.4	1087.4	1087.4	1087.4	1087.4	1087.4	1087.4
2.5°	1085.7	1084.7	1087.0	1086.7	1084.7	1085.0	1085.0	1086.0	1086.0	1085.4	1085.4
5°	1081.7	1081.1	1083.7	1083.7	1081.7	1082.4	1083.1	1084.1	1083.7	1083.1	1082.7
7.5°	1076.8	1076.5	1079.1	1079.1	1077.8	1078.5	1077.8	1078.1	1077.5	1076.8	1075.8
10°	1068.6	1069.2	1071.5	1072.2	1072.2	1072.5	1071.9	1070.2	1069.2	1068.2	1067.3
12.5°	1061.0	1060.7	1064.0	1065.6	1068.2	1071.2	1069.2	1064.6	1062.6	1060.7	1060.0
15°	1056.0	1056.4	1059.7	1062.6	1067.3	1073.5	1071.2	1064.0	1060.0	1057.7	1057.0
17.5°	1055.1	1055.7	1060.0	1065.3	1070.2	1077.1	1075.8	1068.6	1062.0	1057.7	1056.7
20°	1057.4	1057.7	1064.3	1071.9	1080.4	1087.0	1084.1	1076.1	1067.3	1060.7	1059.0
22.5°	1061.6	1063.0	1071.2	1083.1	1096.2	1105.1	1101.5	1088.0	1074.2	1065.9	1063.6
25°	1075.2	1075.5	1086.7	1102.8	1118.7	1128.9	1124.6	1105.5	1087.7	1078.5	1075.5
27.5°	1103.2	1104.2	1115.4	1134.1	1147.6	1154.2	1151.6	1136.1	1121.0	1111.1	1112.1
30°	1143.7	1145.0	1157.5	1178.3	1186.5	1188.2	1187.5	1180.3	1166.4	1153.3	1154.2
32.5°	1193.1	1193.8	1210.6	1229.4	1236.0	1237.3	1236.0	1229.4	1212.9	1195.1	1196.1
35°	1256.7	1258.7	1274.8	1293.0	1298.2	1300.9	1298.6	1290.0	1272.9	1255.4	1254.7
37.5°	1335.1	1335.5	1352.3	1371.0	1377.6	1378.3	1375.7	1370.1	1348.6	1332.8	1331.8
40°	1426.1	1427.4	1447.2	1467.3	1469.9	1466.9	1470.6	1467.3	1445.2	1427.1	1430.0
42.5°	1536.8	1539.8	1563.5	1583.2	1575.7	1574.0	1576.3	1577.3	1559.5	1537.4	1535.5
45°	1665.6	1668.3	1697.9	1713.7	1708.8	1697.9	1702.5	1710.4	1685.7	1658.4	1661.0
47.5°	1812.6	1819.2	1850.8	1865.6	1853.4	1838.6	1847.5	1859.4	1830.4	1796.4	1794.8
50°	1976.0	1984.2	2026.4	2047.2	2035.0	2007.6	2022.5	2030.4	1988.5	1944.7	1941.1
52.5°	2150.3	2158.6	2211.6	2254.4	2246.5	2204.0	2224.8	2216.5	2168.4	2109.5	2104.8
55°	2347.7	2351.0	2408.3	2477.5	2485.4	2454.1	2452.8	2439.3	2368.1	2299.9	2296.6
57.5°	2550.7	2553.0	2627.1	2708.8	2746.1	2746.1	2709.1	2680.5	2585.9	2506.8	2498.6
60°	2769.8	2778.0	2860.1	2971.1	3058.1	3083.8	3018.5	2940.5	2837.7	2741.1	2731.6
62.5°	2964.8	2974.4	3099.9	3265.3	3405.1	3498.6	3339.2	3212.0	3024.8	2869.9	2851.8
65°	2989.6	3015.3	3198.1	3497.6	3810.3	3997.2	3691.4	3378.0	3037.0	2821.8	2803.4
67.5°	2730.2	2773.7	3020.9	3487.1	4133.2	4534.3	3916.4	3283.1	2818.2	2580.3	2559.9
70°	2097.9	2161.2	2446.2	3050.2	4077.6	4707.2	3775.4	2874.2	2349.7	2093.6	2065.0
72.5°	1150.9	1177.0	1433.3	2088.7	3269.0	4000.1	3149.0	2125.3	1558.2	1267.9	1219.8
75°	365.1	374.3	504.8	854.7	1849.2	2649.5	2000.4	1043.2	574.3	423.4	418.5
77.5°	162.1	163.1	182.5	249.4	636.9	1342.4	765.1	284.0	195.7	171.0	176.6
80°	102.5	102.5	113.0	123.6	173.3	389.8	206.9	135.1	115.3	107.1	109.4
82.5°	49.1	54.4	73.5	79.1	95.2	131.1	106.1	88.3	77.1	57.3	53.4
85°	32.3	27.0	46.5	52.4	55.4	62.9	61.6	58.3	50.4	28.7	32.0
87.5°	14.5	13.8	24.1	22.1	20.8	15.8	23.7	29.3	28.3	14.2	14.2
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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