

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: P385931

Luminaire Tested: **GWC-SA1C-735-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385931  
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-SA1C-735-U-5NQ  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7320.7 lumens  
Efficiency: N/A  
Efficacy: 124.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

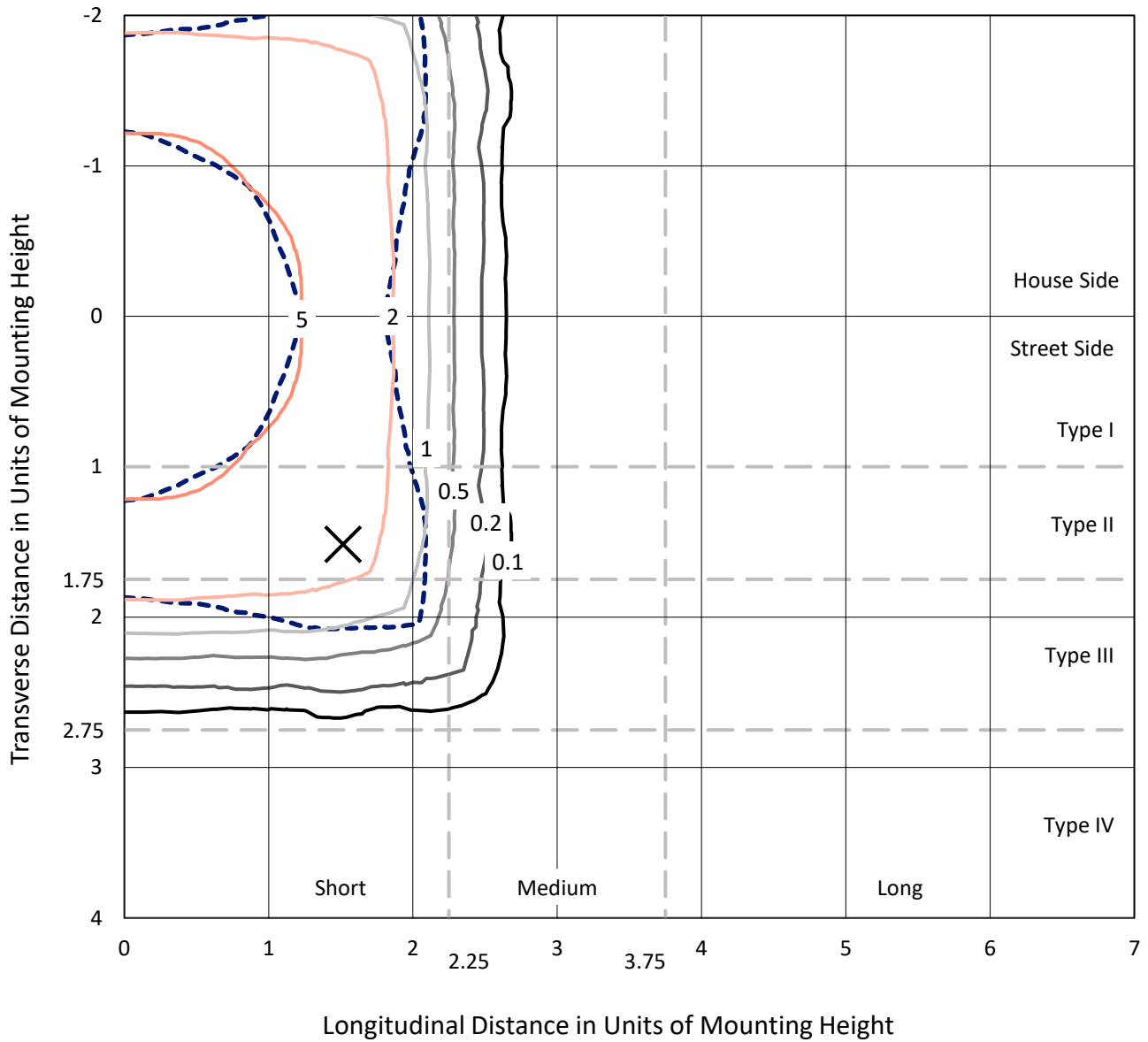
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

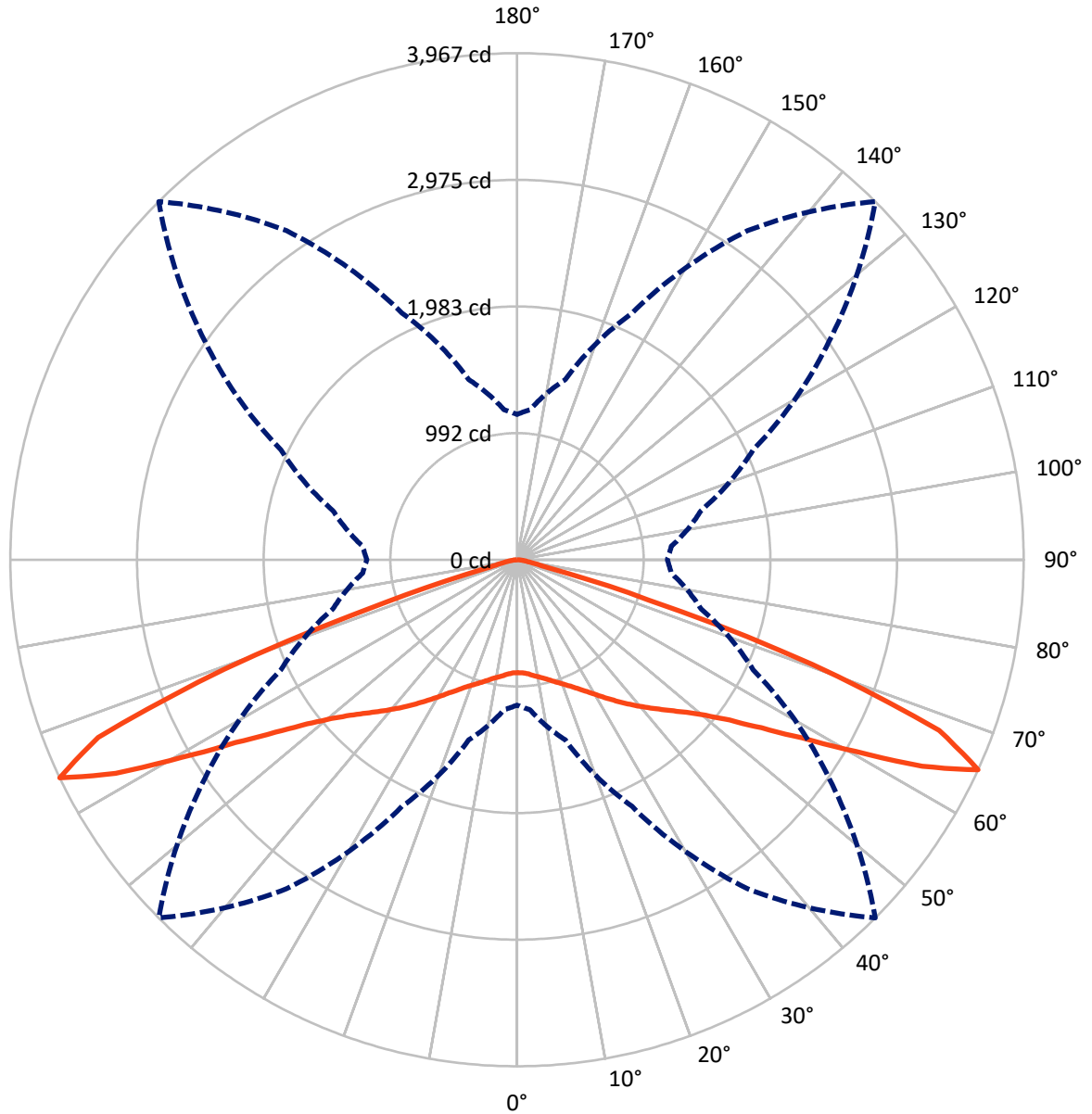
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.9 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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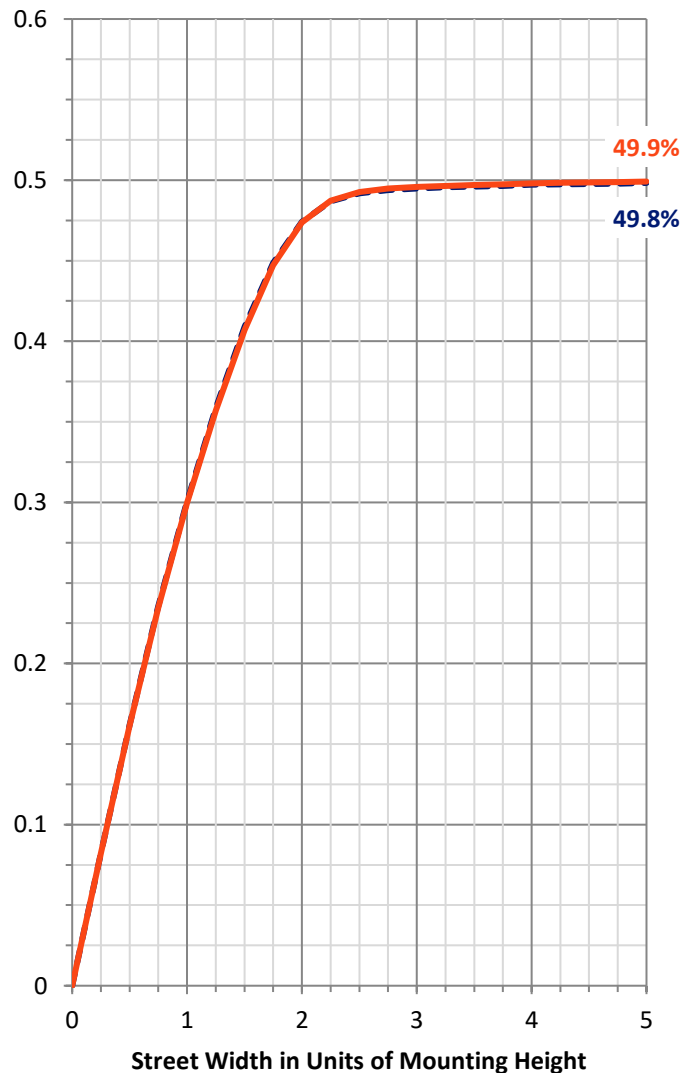
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3660.3	0.0	3660.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3660.3	0.0	3660.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7320.7	0.0	7320.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.7	1.2
10°-20°	278.8	3.8
20°-30°	523.1	7.1
30°-40°	865.1	11.8
40°-50°	1339.9	18.3
50°-60°	2055.0	28.1
60°-70°	1917.6	26.2
70°-80°	223.2	3.0
80°-90°	31.3	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°	7320.7	100.0
0°-180°	7320.7	100.0

**Coefficient of Utilization**



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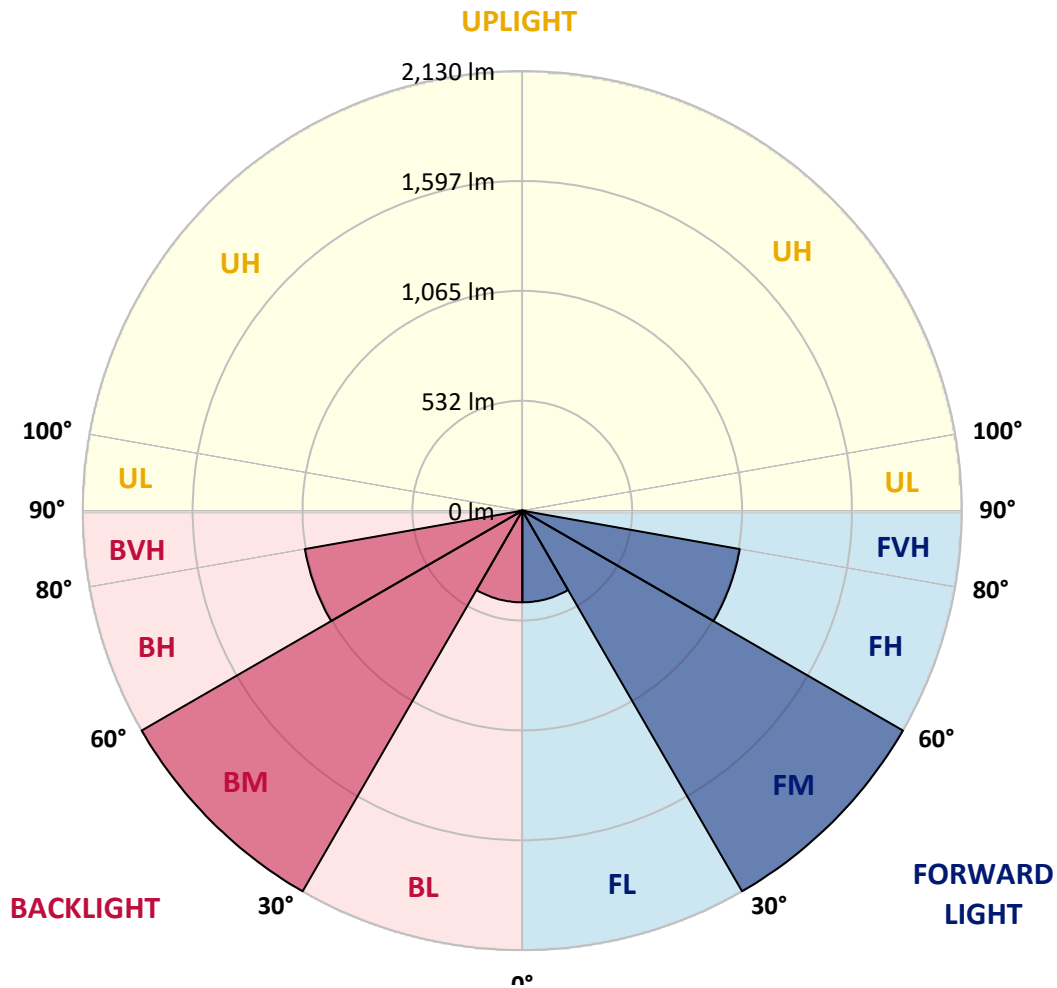
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	444.3	6.1			
FM (30°-60°)	2130.0	29.1			
FH (60°-80°)	1070.4	14.6			G1/1800
FVH (80°-90°)	15.7	0.2			G1/100
BL (0°-30°)	444.3	6.1	B1/500		
BM (30°-60°)	2130.0	29.1	B2/2500		
BH (60°-80°)	1070.4	14.6	B3/2500		G1/1800
BVH (80°-90°)	15.7	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-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	884.1	884.1	884.1	884.1	884.1	884.1	884.1	884.1	884.1	884.1	884.1
2.5°	887.0	886.5	887.0	887.3	885.8	886.5	886.2	887.4	887.9	887.4	887.4
5°	897.2	896.5	897.4	898.6	896.7	897.2	896.5	897.9	898.4	897.4	898.2
7.5°	911.3	911.5	912.5	914.7	913.5	914.4	913.0	913.2	913.0	911.5	911.8
10°	926.6	926.8	928.5	931.4	932.0	932.0	930.9	930.3	929.2	928.3	928.5
12.5°	945.0	946.3	947.5	951.1	951.1	953.1	952.6	950.7	949.0	947.5	947.5
15°	970.1	969.8	971.3	975.0	976.7	979.8	979.8	977.2	975.0	973.5	973.0
17.5°	996.3	997.1	998.0	1002.4	1005.1	1008.7	1009.2	1007.0	1005.5	1003.6	1002.4
20°	1026.9	1028.2	1032.0	1033.8	1036.2	1039.6	1040.8	1040.3	1038.9	1037.9	1038.1
22.5°	1062.6	1065.8	1068.3	1070.7	1073.6	1076.1	1077.3	1079.0	1077.5	1076.7	1076.3
25°	1105.9	1108.1	1113.0	1117.3	1119.3	1120.0	1121.4	1123.9	1123.7	1122.0	1122.0
27.5°	1155.0	1159.1	1165.2	1171.5	1171.5	1169.1	1174.0	1178.1	1176.7	1174.4	1171.5
30°	1214.5	1218.5	1225.5	1234.3	1229.9	1228.2	1234.7	1242.3	1240.1	1236.4	1236.0
32.5°	1278.7	1282.4	1291.6	1301.1	1295.5	1293.1	1300.1	1311.0	1307.2	1299.8	1295.5
35°	1348.2	1351.9	1364.9	1376.4	1366.9	1362.8	1368.6	1380.5	1373.8	1360.1	1356.7
37.5°	1423.7	1425.7	1442.7	1454.4	1447.9	1436.9	1444.2	1453.0	1447.1	1430.6	1424.0
40°	1502.3	1509.3	1529.1	1542.6	1531.2	1513.9	1526.1	1538.3	1529.5	1508.4	1497.2
42.5°	1593.9	1599.2	1625.5	1637.6	1619.1	1594.9	1611.4	1627.9	1619.1	1598.8	1589.1
45°	1689.1	1697.4	1728.8	1740.9	1714.2	1683.3	1703.5	1732.4	1731.7	1702.3	1692.0
47.5°	1792.9	1801.2	1838.6	1854.6	1825.7	1784.4	1812.8	1853.7	1850.8	1818.5	1810.2
50°	1912.7	1921.4	1968.1	1988.3	1961.4	1913.2	1956.0	1992.0	1986.6	1946.7	1947.5
52.5°	2063.2	2062.6	2120.8	2155.7	2128.0	2085.5	2124.9	2159.9	2137.8	2082.5	2080.9
55°	2194.9	2202.9	2274.8	2341.2	2339.5	2323.1	2339.0	2340.4	2277.3	2203.8	2194.9
57.5°	2281.4	2296.7	2398.0	2518.0	2607.9	2629.6	2599.0	2506.1	2358.2	2240.8	2226.5
60°	2228.1	2251.4	2410.7	2655.4	2920.2	3047.3	2874.5	2586.6	2295.2	2131.7	2112.2
62.5°	1869.0	1908.4	2141.4	2589.1	3189.0	3560.6	3074.3	2457.5	2045.0	1819.6	1786.4
65°	1138.3	1179.8	1460.8	2130.9	3145.5	3966.9	2983.1	2039.8	1492.6	1212.4	1176.4
67.5°	379.3	391.4	557.0	1177.9	2472.1	3564.2	2476.2	1221.1	649.6	430.6	417.9
70°	148.5	149.7	176.7	341.5	1167.4	2448.1	1288.2	347.5	184.7	146.1	149.2
72.5°	109.2	109.6	117.1	142.6	304.3	1078.5	315.2	143.4	113.9	102.3	102.3
75°	87.7	87.7	93.1	104.0	136.3	247.3	138.3	102.8	89.1	81.6	80.7
77.5°	69.2	70.7	74.9	81.9	92.3	119.1	95.7	81.4	72.0	64.9	63.4
80°	51.5	53.0	59.7	63.2	66.3	82.7	70.7	63.7	56.8	48.6	47.2
82.5°	33.8	35.2	43.8	45.7	45.0	53.9	47.6	46.9	41.8	31.4	29.9
85°	22.1	22.6	29.1	30.3	27.9	24.5	30.3	32.0	29.1	20.4	19.7
87.5°	10.4	10.4	14.8	13.8	12.7	10.2	13.8	16.3	16.5	10.0	9.7
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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