

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: P386602

Luminaire Tested: **GWC-SA2B-735-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386602
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-735-U-5MQ
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 3500K, 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: 11769.7 lumens
Efficiency: N/A
Efficacy: 136.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

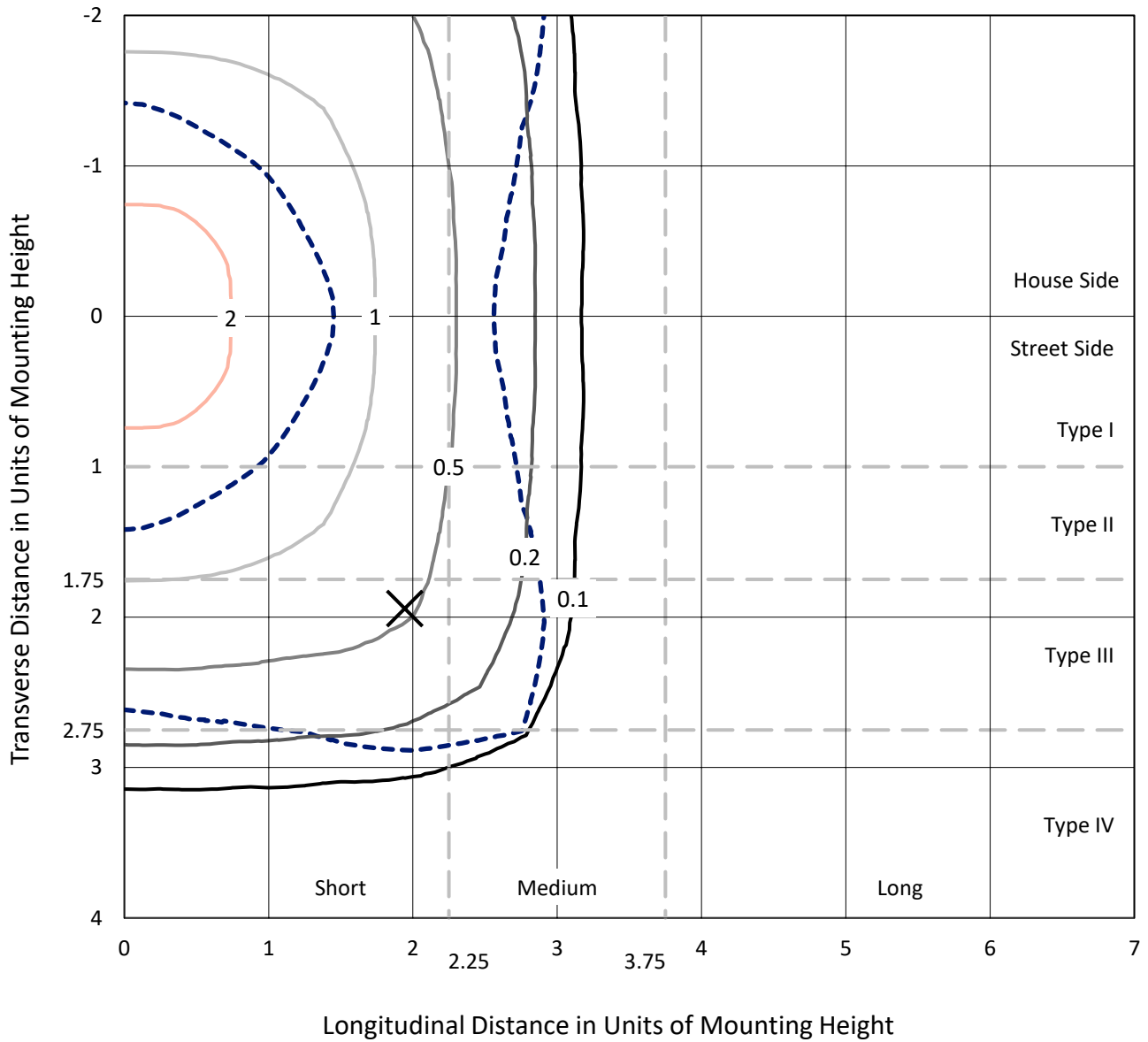
Input Watts (W): 86
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

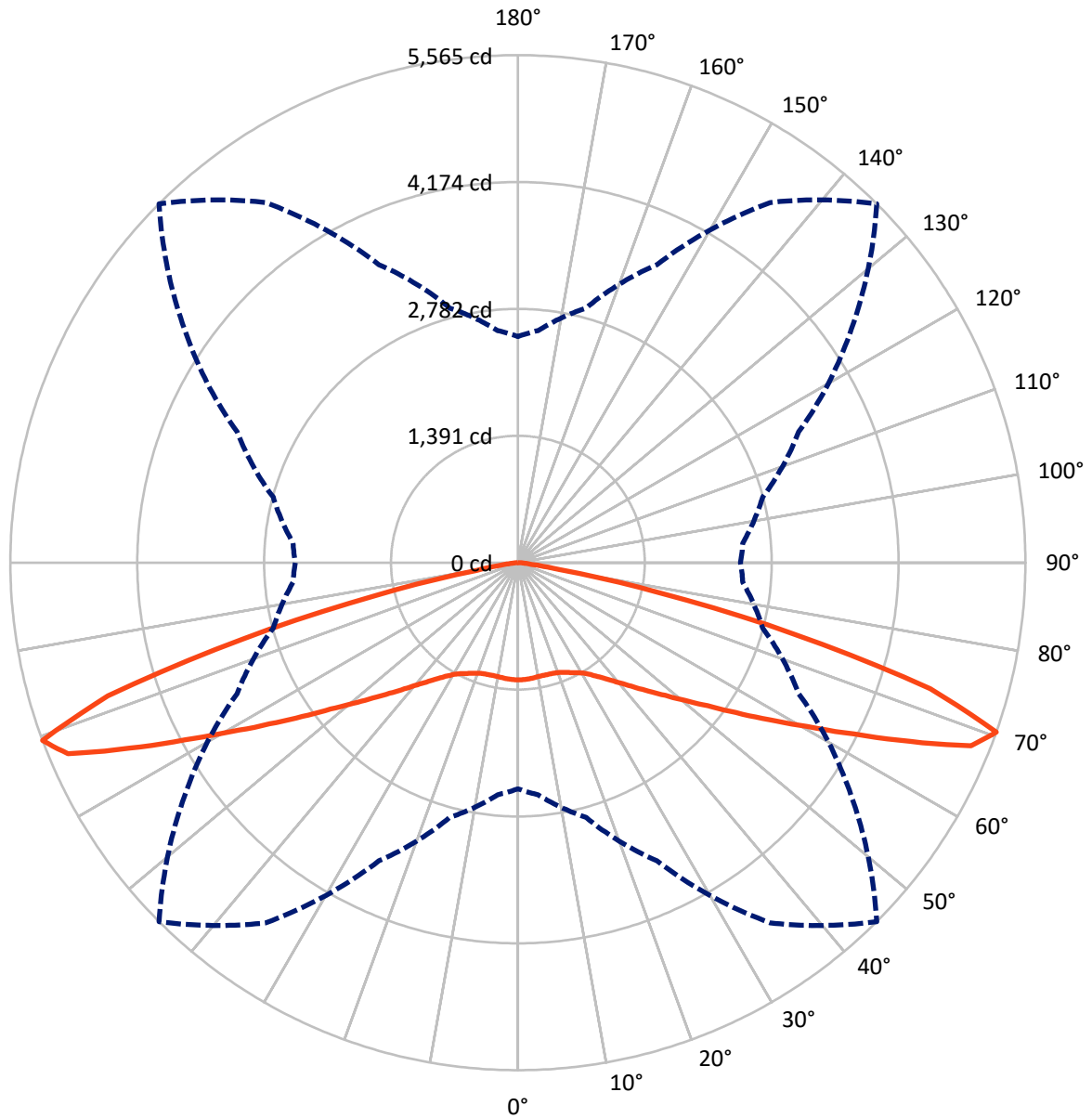
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.2 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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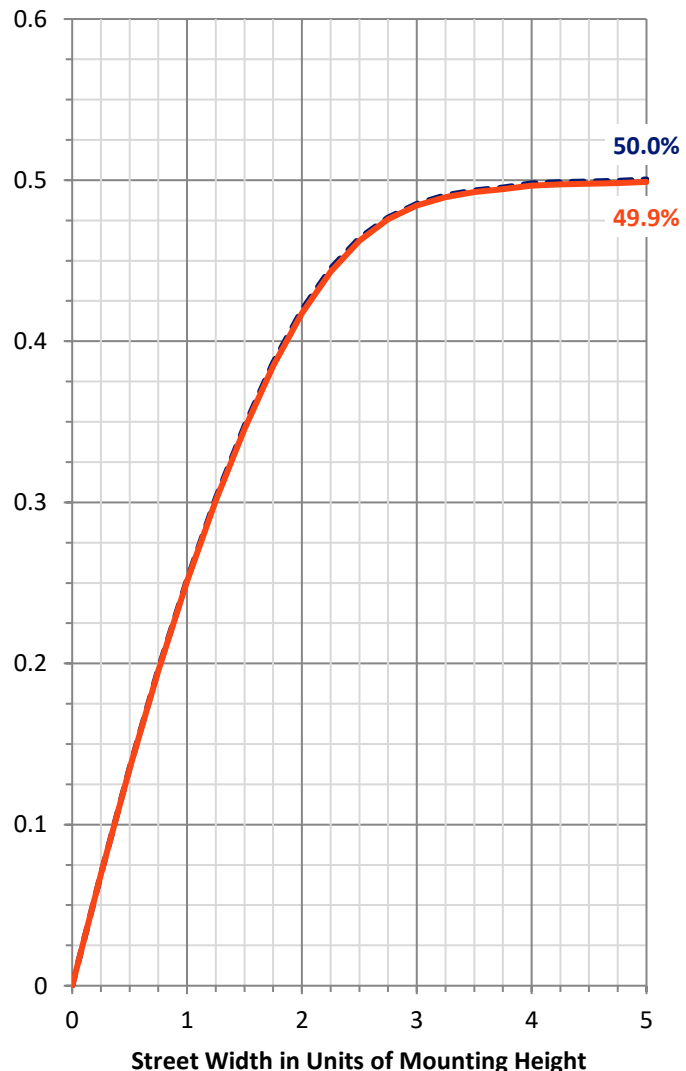
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5884.8	0.0	5884.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5884.8	0.0	5884.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	11769.7	0.0	11769.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.7	1.0
10°-20°	357.4	3.0
20°-30°	608.4	5.2
30°-40°	965.0	8.2
40°-50°	1570.3	13.3
50°-60°	2589.1	22.0
60°-70°	3800.9	32.3
70°-80°	1680.7	14.3
80°-90°	76.1	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°	11769.7	100.0
0°-180°	11769.7	100.0



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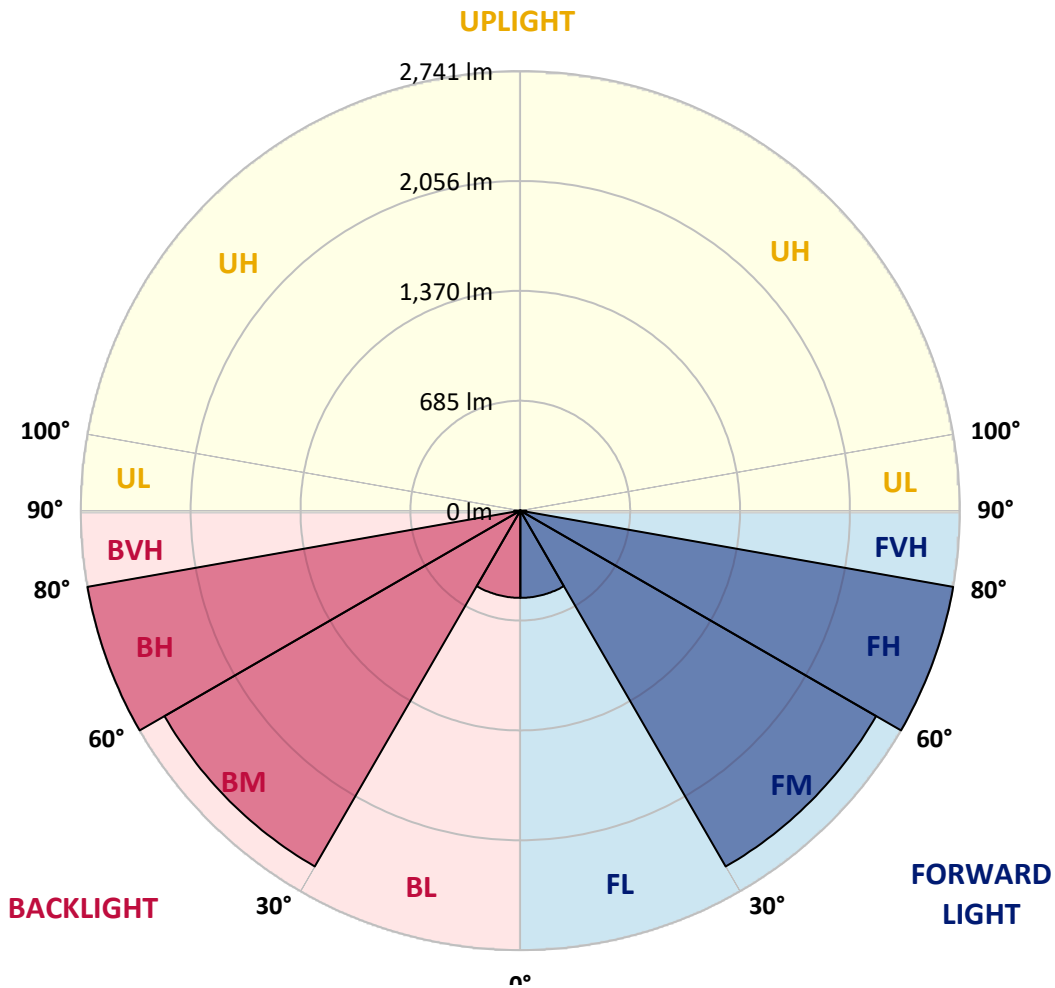
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	543.8	4.6			
FM (30°-60°)	2562.2	21.8			
FH (60°-80°)	2740.8	23.3			G2/5000
FVH (80°-90°)	38.1	0.3			G1/100
BL (0°-30°)	543.8	4.6	B2/1000		
BM (30°-60°)	2562.2	21.8	B3/5000		
BH (60°-80°)	2740.8	23.3	B4/5000		G2/5000
BVH (80°-90°)	38.1	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°	1285.5	1285.5	1285.5	1285.5	1285.5	1285.5	1285.5	1285.5	1285.5	1285.5	1285.5
2.5°	1283.5	1282.3	1285.0	1284.6	1282.3	1282.7	1282.7	1283.9	1283.9	1283.1	1283.1
5°	1278.8	1278.0	1281.1	1281.1	1278.8	1279.5	1280.4	1281.5	1281.1	1280.4	1280.0
7.5°	1273.0	1272.6	1275.7	1275.7	1274.1	1274.9	1274.1	1274.6	1273.7	1273.0	1271.8
10°	1263.2	1264.0	1266.8	1267.5	1267.5	1267.9	1267.1	1265.2	1264.0	1262.8	1261.7
12.5°	1254.3	1253.9	1257.8	1259.7	1262.8	1266.3	1264.0	1258.6	1256.3	1253.9	1253.1
15°	1248.5	1248.8	1252.7	1256.3	1261.7	1269.0	1266.3	1257.8	1253.1	1250.3	1249.6
17.5°	1247.2	1248.1	1253.1	1259.4	1265.2	1273.3	1271.8	1263.2	1255.4	1250.3	1249.2
20°	1250.0	1250.3	1258.1	1267.1	1277.3	1285.0	1281.5	1272.2	1261.7	1253.9	1251.9
22.5°	1255.0	1256.6	1266.3	1280.4	1296.0	1306.5	1302.2	1286.2	1269.9	1260.1	1257.4
25°	1271.0	1271.4	1284.6	1303.8	1322.5	1334.5	1329.4	1306.9	1285.8	1274.9	1271.4
27.5°	1304.2	1305.3	1318.5	1340.7	1356.7	1364.5	1361.4	1343.1	1325.2	1313.5	1314.7
30°	1352.1	1353.6	1368.4	1392.9	1402.7	1404.6	1403.8	1395.3	1378.9	1363.3	1364.5
32.5°	1410.5	1411.3	1431.1	1453.3	1461.1	1462.6	1461.1	1453.3	1433.8	1412.8	1414.0
35°	1485.7	1488.0	1507.1	1528.5	1534.7	1537.9	1535.2	1525.0	1504.7	1484.1	1483.3
37.5°	1578.4	1578.7	1598.6	1620.8	1628.6	1629.4	1626.3	1619.6	1594.3	1575.6	1574.4
40°	1685.8	1687.4	1710.8	1734.6	1737.7	1734.1	1738.4	1734.6	1708.5	1687.1	1690.5
42.5°	1816.8	1820.3	1848.3	1871.6	1862.7	1860.8	1863.5	1864.7	1843.7	1817.5	1815.2
45°	1969.1	1972.2	2007.2	2025.9	2020.1	2007.2	2012.7	2022.0	1992.8	1960.5	1963.6
47.5°	2142.8	2150.6	2187.9	2205.5	2191.0	2173.6	2184.1	2198.1	2163.8	2123.7	2121.7
50°	2336.0	2345.8	2395.5	2420.2	2405.7	2373.4	2390.9	2400.2	2350.7	2299.0	2294.7
52.5°	2542.0	2551.8	2614.5	2665.2	2655.8	2605.5	2630.1	2620.3	2563.4	2493.7	2488.3
55°	2775.3	2779.3	2847.0	2928.8	2938.1	2901.2	2899.6	2883.7	2799.5	2718.9	2714.9
57.5°	3015.3	3018.0	3105.6	3202.3	3246.3	3246.3	3202.7	3168.8	3057.0	2963.5	2953.7
60°	3274.4	3284.1	3381.1	3512.3	3615.2	3645.6	3568.5	3476.1	3354.6	3240.4	3229.2
62.5°	3505.0	3516.2	3664.7	3860.2	4025.3	4136.0	3947.4	3797.1	3575.8	3392.7	3371.3
65°	3534.2	3564.5	3780.7	4134.8	4504.5	4725.3	4363.9	3993.4	3590.3	3335.9	3314.1
67.5°	3227.6	3279.0	3571.2	4122.3	4886.2	5360.3	4629.9	3881.2	3331.6	3050.4	3026.3
70°	2480.1	2554.9	2891.8	3605.9	4820.4	5564.8	4463.2	3397.8	2777.7	2475.0	2441.1
72.5°	1360.6	1391.3	1694.4	2469.2	3864.5	4728.8	3722.7	2512.4	1842.1	1498.9	1442.1
75°	431.6	442.5	596.8	1010.4	2186.0	3132.1	2364.8	1233.2	678.9	500.5	494.7
77.5°	191.6	192.9	215.8	294.9	752.9	1586.9	904.4	335.7	231.4	202.2	208.8
80°	121.2	121.2	133.6	146.1	204.9	460.8	244.6	159.7	136.3	126.6	129.4
82.5°	58.1	64.3	86.9	93.5	112.5	155.0	125.4	104.4	91.1	67.7	63.1
85°	38.1	31.9	55.0	61.9	65.5	74.4	72.8	69.0	59.6	33.9	37.8
87.5°	17.1	16.3	28.5	26.1	24.5	18.7	28.1	34.7	33.5	16.7	16.7
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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