

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: P386999

Luminaire Tested: **GWC-SA2D-727-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386999
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA2D-727-U-RW
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13843 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

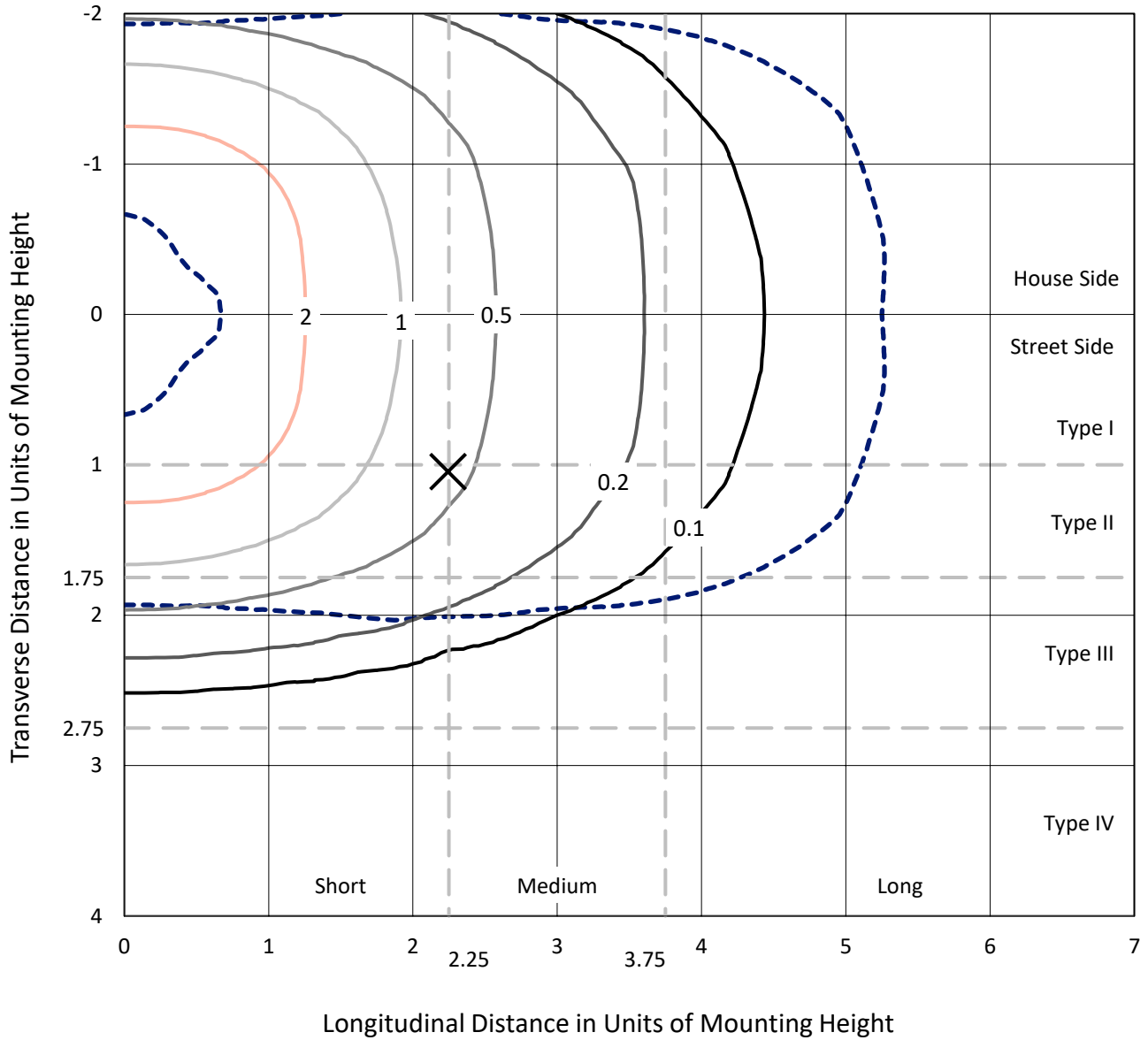
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

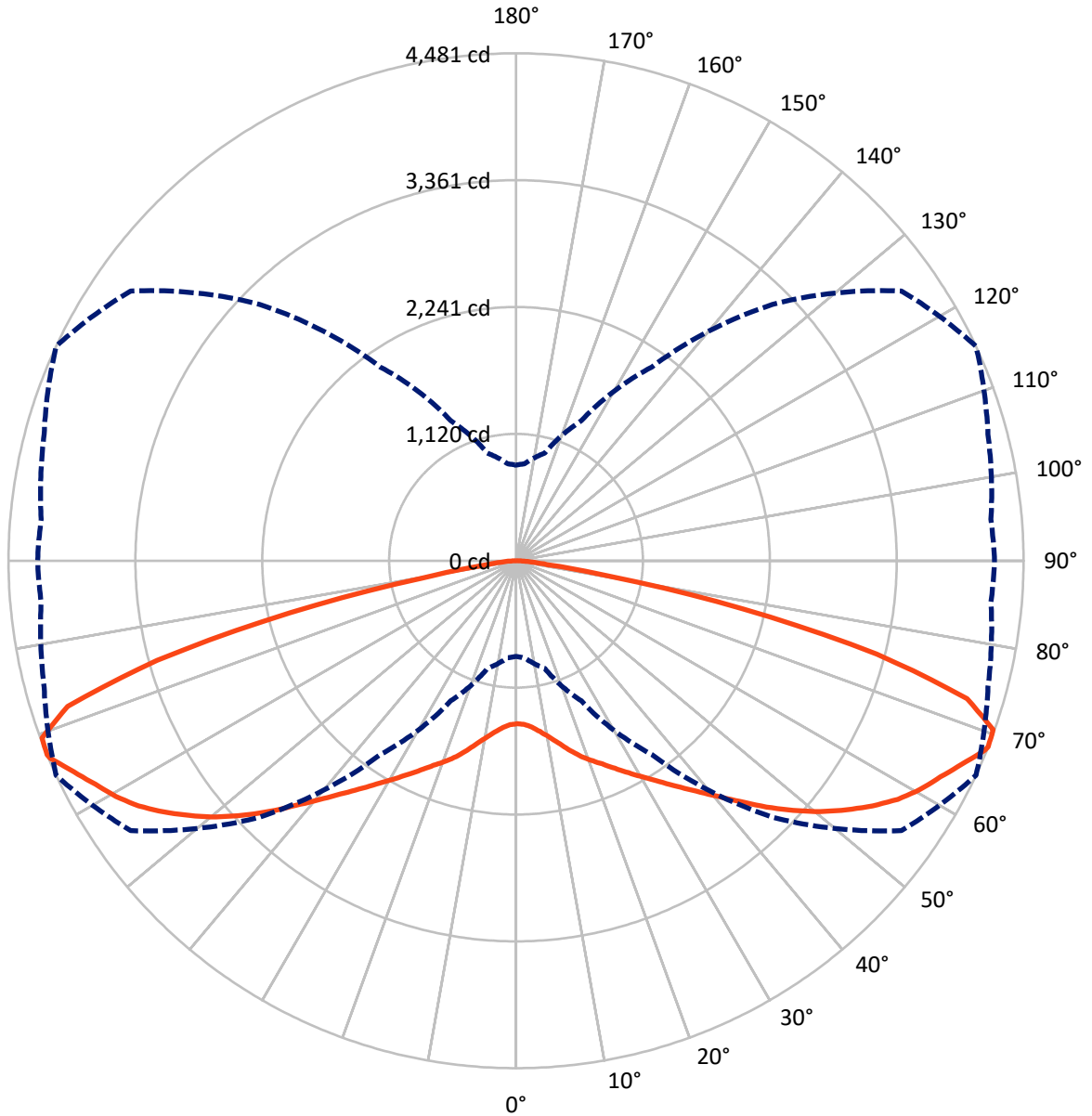
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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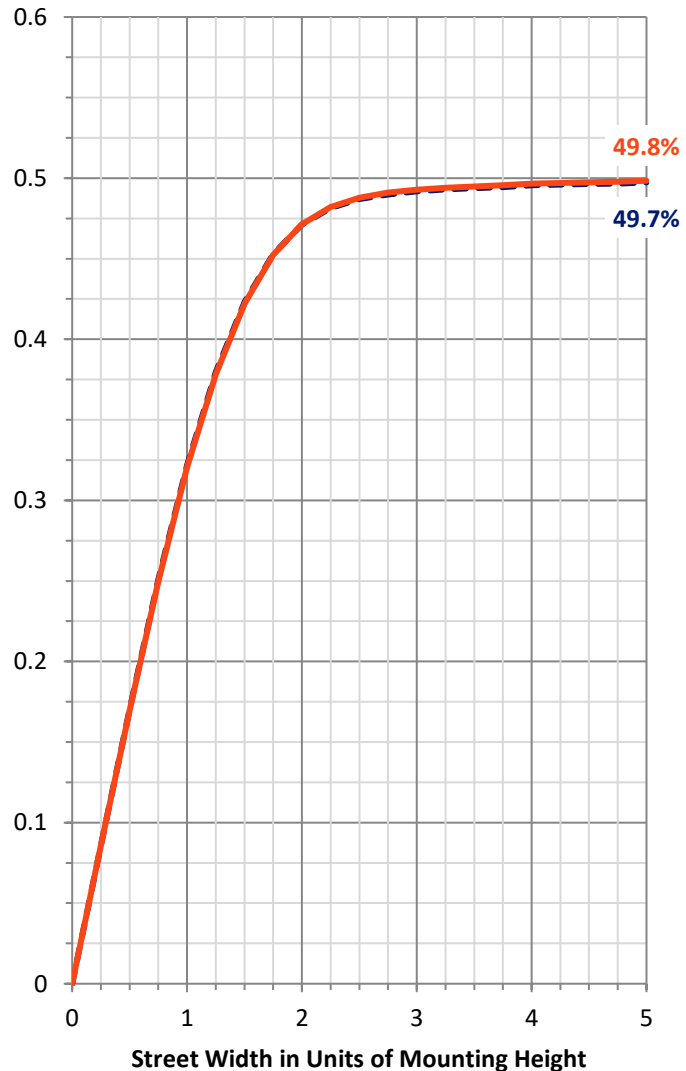
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6921.5	0.0	6921.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6921.5	0.0	6921.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13843.0	0.0	13843.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.9	1.0
10°-20°	471.9	3.4
20°-30°	920.0	6.6
30°-40°	1545.6	11.2
40°-50°	2435.3	17.6
50°-60°	3256.7	23.5
60°-70°	3166.0	22.9
70°-80°	1730.7	12.5
80°-90°	176.0	1.3
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°	13843.0	100.0
0°-180°	13843.0	100.0



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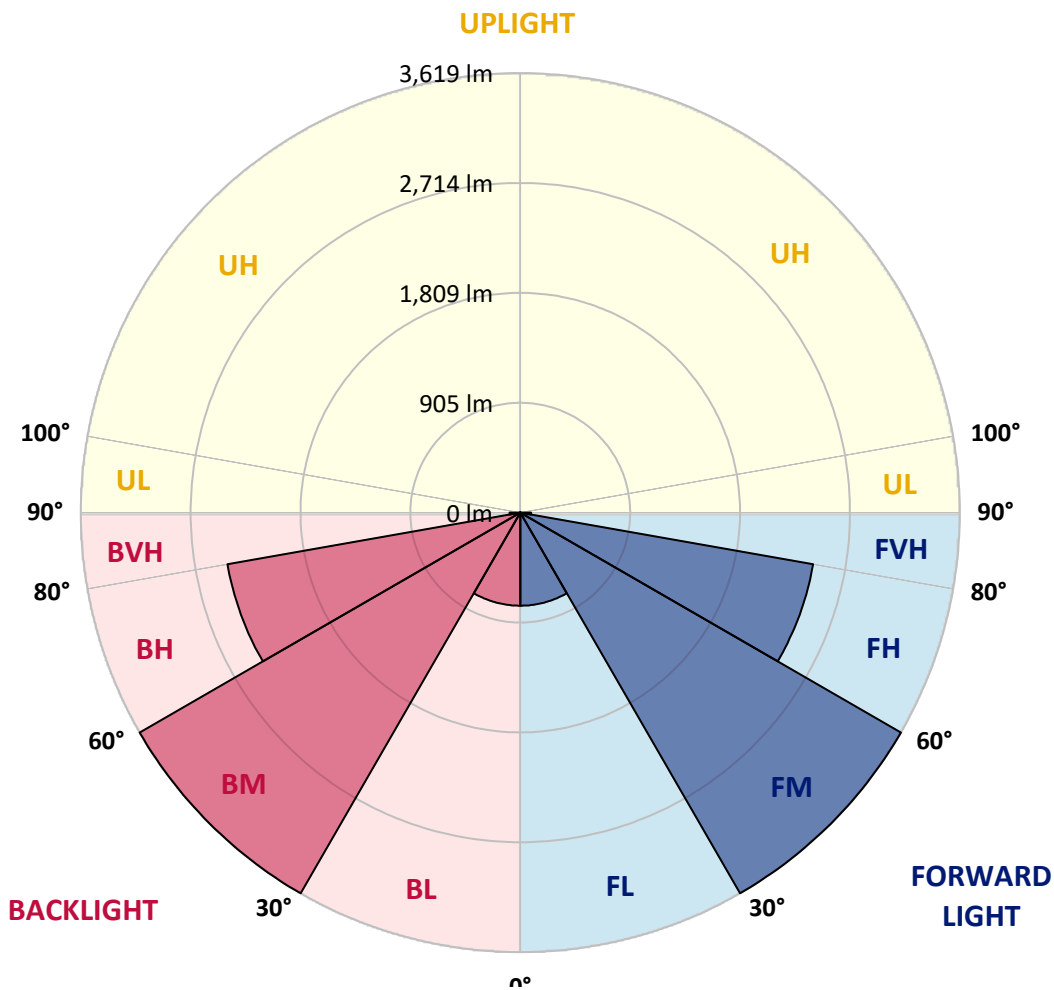
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	766.4	5.5			
FM (30°-60°)	3618.8	26.1			
FH (60°-80°)	2448.3	17.7			G2/5000
FVH (80°-90°)	88.0	0.6			G1/100
BL (0°-30°)	766.4	5.5	B2/1000		
BM (30°-60°)	3618.8	26.1	B3/5000		
BH (60°-80°)	2448.3	17.7	B3/2500		G3/2500
BVH (80°-90°)	88.0	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1439.3	1439.3	1439.3	1439.3	1439.3	1439.3	1439.3	1439.3	1439.3	1439.3	1439.3
2.5°	1429.1	1429.6	1431.9	1434.7	1437.0	1443.1	1444.5	1446.8	1447.7	1450.0	1450.0
5°	1416.6	1417.5	1423.1	1430.5	1438.9	1453.7	1464.4	1476.5	1482.5	1489.0	1488.5
7.5°	1415.2	1417.5	1425.4	1437.5	1451.4	1476.0	1498.3	1522.4	1538.7	1553.5	1552.6
10°	1429.6	1433.3	1444.5	1462.6	1483.4	1514.1	1547.0	1579.5	1607.8	1630.6	1631.5
12.5°	1451.4	1456.1	1473.7	1501.1	1532.6	1572.1	1611.1	1647.8	1686.7	1720.6	1723.4
15°	1480.2	1486.2	1512.7	1553.5	1601.8	1648.7	1690.5	1728.1	1773.1	1820.0	1824.6
17.5°	1522.9	1531.2	1566.1	1621.3	1684.9	1736.4	1780.0	1808.3	1845.9	1894.2	1903.0
20°	1587.9	1598.6	1642.6	1708.6	1786.1	1839.9	1873.3	1879.4	1897.9	1941.1	1951.3
22.5°	1672.4	1681.6	1730.8	1809.3	1896.1	1954.6	1972.2	1948.1	1946.2	1981.0	1990.8
25°	1766.6	1774.9	1832.0	1920.2	2013.5	2078.0	2077.6	2030.7	1998.2	2025.1	2035.3
27.5°	1872.4	1885.4	1940.2	2033.0	2132.8	2196.4	2192.7	2120.3	2058.5	2065.5	2074.3
30°	1994.0	2008.4	2061.8	2156.0	2255.8	2318.0	2313.4	2217.7	2124.9	2106.3	2112.8
32.5°	2144.9	2162.0	2212.6	2305.5	2393.7	2449.8	2436.4	2323.6	2204.7	2164.4	2170.4
35°	2326.3	2336.6	2389.9	2481.4	2552.9	2591.4	2563.1	2446.1	2305.9	2257.2	2257.2
37.5°	2510.2	2518.0	2577.9	2666.6	2735.7	2756.2	2700.9	2580.2	2438.2	2369.0	2370.4
40°	2686.5	2707.9	2775.2	2866.2	2934.4	2940.0	2866.6	2733.4	2585.3	2513.9	2522.2
42.5°	2870.8	2891.7	2972.0	3075.0	3135.4	3144.7	3058.8	2905.1	2751.5	2693.5	2702.8
45°	3035.1	3051.8	3144.7	3264.4	3339.6	3363.7	3262.1	3102.0	2931.1	2874.5	2876.8
47.5°	3149.8	3171.6	3273.7	3414.8	3524.3	3561.5	3461.7	3293.6	3108.0	3039.3	3045.3
50°	3253.7	3265.3	3368.8	3522.9	3662.2	3738.8	3653.4	3483.0	3286.7	3213.8	3220.3
52.5°	3311.7	3326.6	3426.9	3587.5	3752.2	3875.7	3823.7	3653.4	3459.4	3388.3	3396.2
55°	3271.4	3282.5	3402.7	3601.8	3807.9	3960.2	3968.1	3820.0	3628.8	3566.6	3588.9
57.5°	3087.6	3101.5	3248.2	3509.0	3814.9	4017.3	4076.7	3974.6	3787.0	3736.5	3749.4
60°	2800.3	2809.1	2965.5	3258.8	3679.4	4040.9	4145.8	4100.8	3942.1	3891.5	3909.1
62.5°	2288.3	2301.3	2488.3	2881.5	3393.0	3970.9	4212.7	4205.2	4086.4	4040.0	4055.8
65°	1564.2	1586.9	1794.0	2291.1	2951.6	3756.4	4273.5	4326.9	4214.1	4155.6	4176.5
67.5°	944.6	961.3	1111.2	1512.7	2258.6	3323.8	4210.8	4465.2	4304.1	4209.9	4227.1
68°	844.3	859.6	984.9	1365.1	2089.2	3201.7	4153.7	4481.0	4313.9	4209.0	4224.3
70°	510.1	520.3	604.3	843.8	1392.9	2539.9	3764.3	4468.0	4376.1	4222.0	4230.8
72.5°	332.3	335.6	349.5	433.1	711.6	1420.3	2825.3	4163.5	4469.4	4297.6	4296.2
75°	276.2	274.3	275.7	285.5	350.9	622.9	1651.0	3289.0	4260.5	4178.3	4149.1
77.5°	233.5	232.1	231.6	232.1	234.9	300.8	716.7	2048.8	3260.2	3696.1	3722.1
80°	188.9	187.1	193.1	190.3	181.9	187.1	300.3	852.2	1536.8	1653.3	1549.4
82.5°	137.4	130.4	156.4	149.0	142.0	131.8	165.7	275.2	366.7	251.6	176.8
85°	105.8	98.4	118.8	114.2	97.5	67.3	98.4	134.6	148.5	84.9	66.8
87.5°	43.2	45.5	85.9	67.8	57.1	32.5	40.4	53.8	72.4	36.2	27.8
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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