

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: P385876

Luminaire Tested: **GWC-SA1C-727-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385876  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GWC-SA1C-727-U-5WQ  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6653 lumens  
Efficiency: N/A  
Efficacy: 112.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

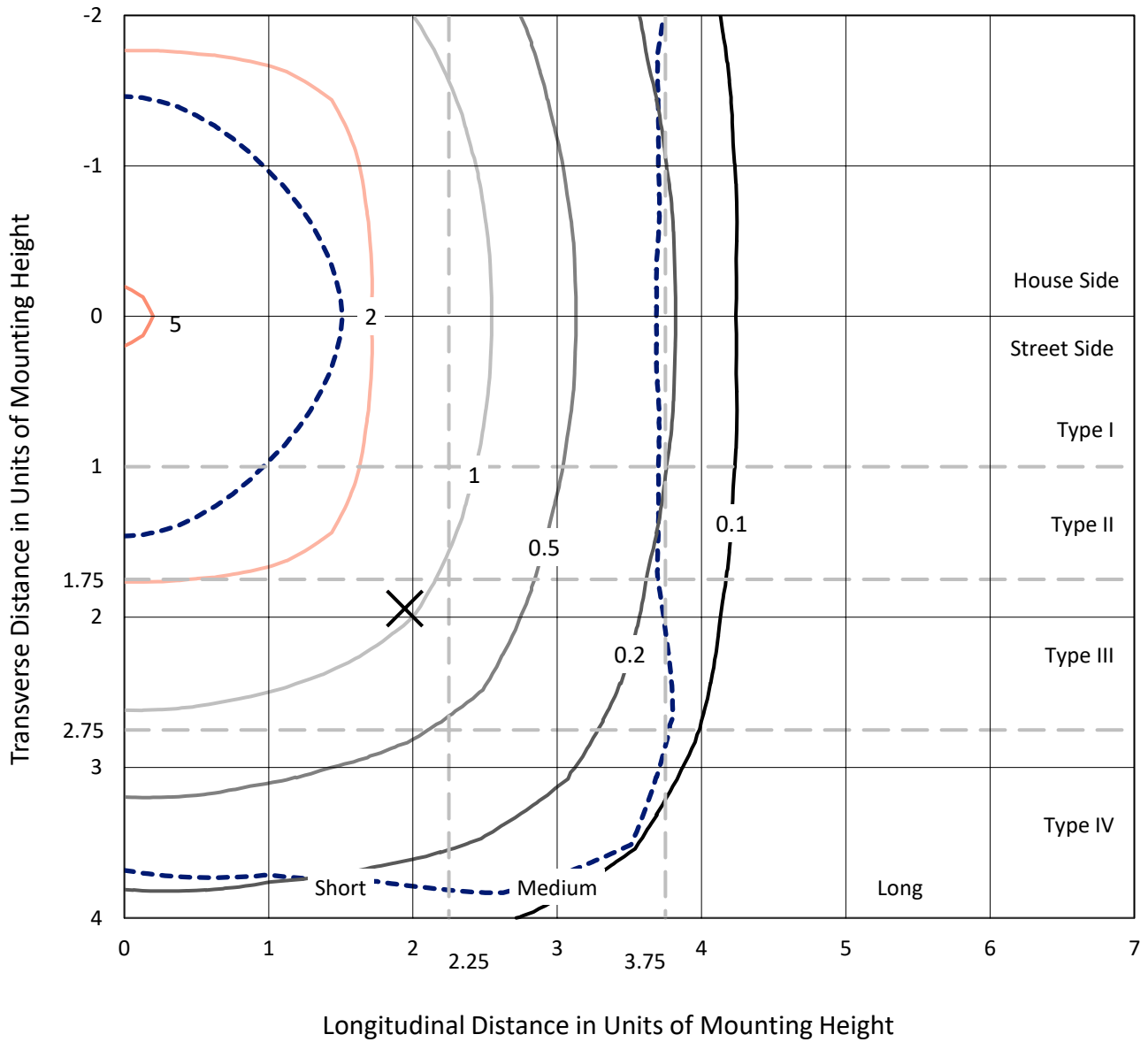
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P385876  
 CATALOG NUMBER: GWC-SA1C-727-U-5WQ

### Iso-Footcandle Lines of Horizontal Illumination

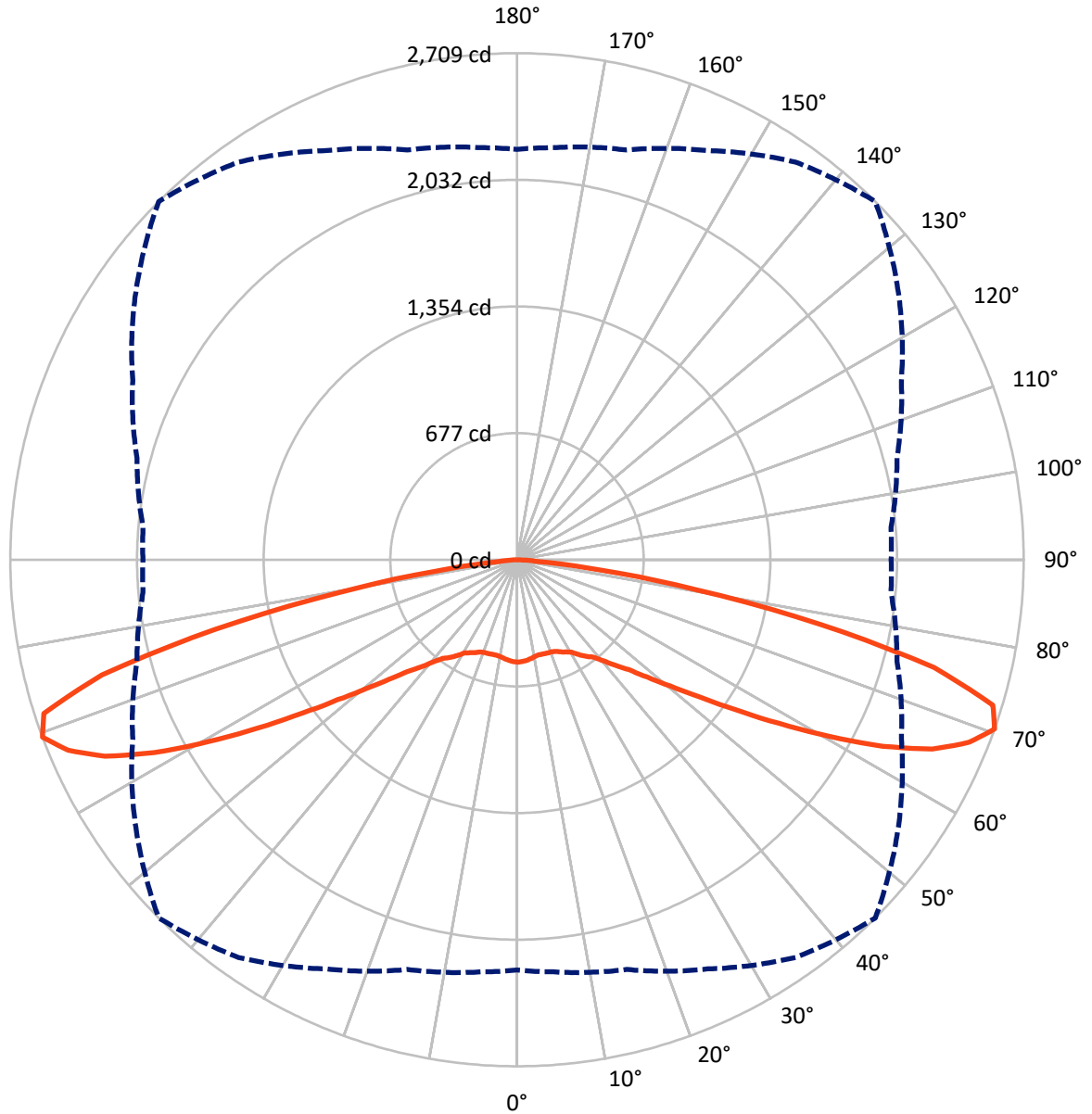
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 fc  
 Type V - Short - N/A

REPORT NUMBER: P385876  
CATALOG NUMBER: GWC-SA1C-727-U-5WQ

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical



REPORT NUMBER: P385876  
 CATALOG NUMBER: GWC-SA1C-727-U-5WQ

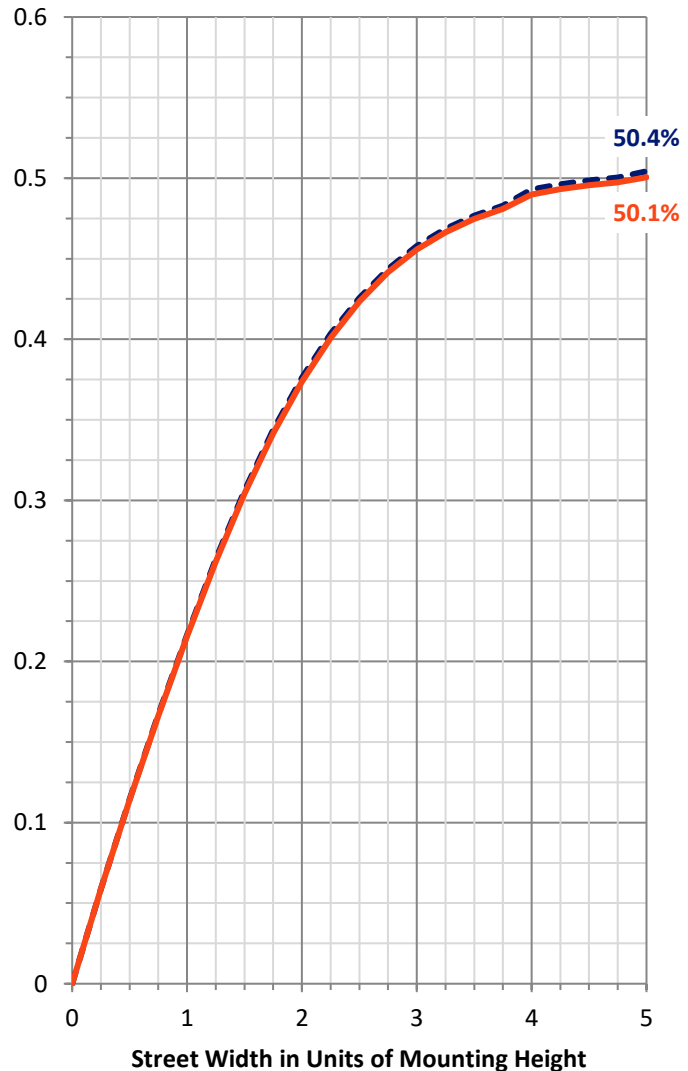
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3326.5	0.0	3326.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3326.5	0.0	3326.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6653.0	0.0	6653.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.1	0.8
10°-20°	149.3	2.2
20°-30°	254.5	3.8
30°-40°	397.7	6.0
40°-50°	674.0	10.1
50°-60°	1229.1	18.5
60°-70°	2115.9	31.8
70°-80°	1658.5	24.9
80°-90°	123.0	1.8
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°	6653.0	100.0
0°-180°	6653.0	100.0



REPORT NUMBER: P385876

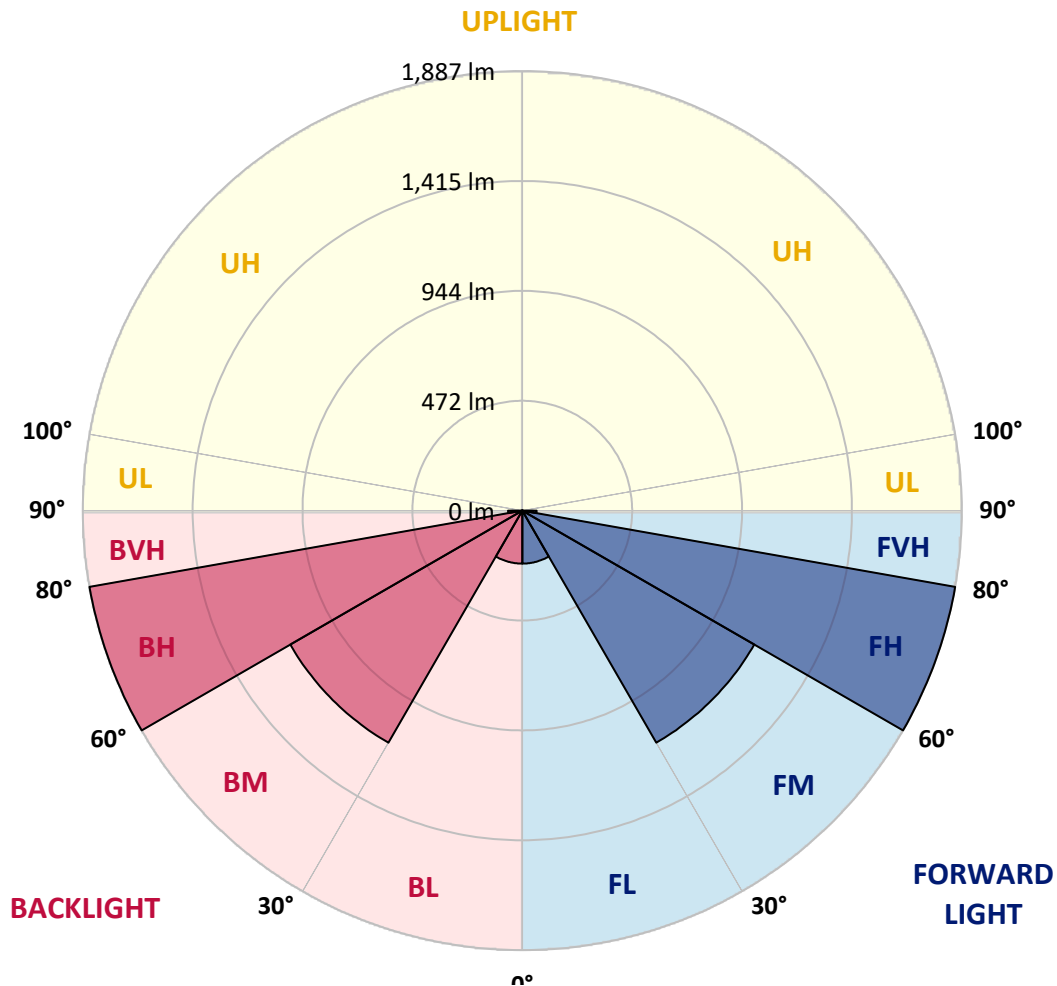
CATALOG NUMBER: GWC-SA1C-727-U-5WQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	227.4	3.4			
FM (30°-60°)	1150.4	17.3			
FH (60°-80°)	1887.2	28.4			G2/5000
FVH (80°-90°)	61.5	0.9			G1/100
BL (0°-30°)	227.4	3.4	B1/500		
BM (30°-60°)	1150.4	17.3	B2/2500		
BH (60°-80°)	1887.2	28.4	B3/2500		G2/5000
BVH (80°-90°)	61.5	0.9			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





REPORT NUMBER: P385876  
 CATALOG NUMBER: GWC-SA1C-727-U-5WQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	547.5	547.5	547.5	547.5	547.5	547.5	547.5	547.5	547.5	547.5	547.5
2.5°	545.1	545.8	545.1	545.6	544.5	544.9	544.9	544.9	544.7	544.9	544.5
5°	540.3	540.7	539.8	540.3	539.6	540.3	540.5	540.3	539.8	540.1	539.2
7.5°	533.0	533.5	532.8	533.5	532.6	533.7	533.5	532.8	532.1	532.1	531.3
10°	529.1	529.3	527.5	526.9	524.9	525.3	526.0	526.6	527.3	528.6	528.4
12.5°	529.3	529.3	526.6	523.8	520.9	521.6	522.7	525.1	527.7	530.2	530.4
15°	531.5	531.3	527.3	522.7	520.7	522.7	523.3	524.9	529.1	533.2	533.5
17.5°	533.0	533.0	526.9	521.6	521.4	524.4	524.2	524.9	529.5	535.7	535.9
20°	535.9	535.9	528.0	522.2	522.2	525.5	525.8	526.9	531.5	538.3	539.4
22.5°	542.3	542.5	534.1	529.5	529.9	531.9	532.6	534.3	538.5	546.0	547.3
25°	551.3	551.7	543.1	540.5	542.0	545.8	545.3	546.7	551.3	558.5	559.9
27.5°	563.8	562.7	554.8	553.7	555.2	557.9	557.7	557.9	561.6	568.2	569.8
30°	580.1	579.7	574.0	574.6	574.0	573.1	573.3	575.1	577.0	582.3	583.9
32.5°	596.0	596.4	592.9	596.2	601.0	604.3	599.3	594.4	592.2	595.1	596.4
35°	624.6	625.7	620.2	618.0	624.6	634.3	619.9	612.0	616.4	620.2	621.3
37.5°	673.2	673.9	664.6	655.8	651.0	660.2	645.9	646.6	662.0	669.0	668.8
40°	728.7	728.9	722.7	715.0	706.7	708.9	703.1	704.9	715.0	721.4	723.2
42.5°	794.7	794.0	784.3	773.3	770.9	773.1	763.4	762.1	773.8	785.2	785.4
45°	880.3	878.8	866.2	854.1	842.4	837.6	835.2	841.6	857.6	868.2	868.4
47.5°	972.5	968.3	961.7	952.0	941.9	937.1	933.1	936.2	947.9	952.0	952.5
50°	1067.4	1068.2	1069.6	1065.8	1062.1	1060.5	1050.2	1044.2	1047.8	1040.1	1039.0
52.5°	1179.8	1181.6	1194.3	1205.1	1211.5	1214.8	1195.2	1174.8	1163.3	1148.3	1143.9
55°	1312.5	1315.4	1334.1	1364.0	1394.8	1411.1	1375.7	1337.4	1302.0	1274.0	1265.0
57.5°	1460.4	1465.5	1491.2	1548.7	1611.8	1650.3	1590.5	1520.9	1452.5	1412.2	1405.2
60°	1633.8	1638.7	1674.3	1756.6	1859.0	1916.8	1826.2	1712.4	1627.2	1588.7	1575.7
62.5°	1840.3	1840.7	1884.5	1980.7	2115.8	2196.3	2073.5	1921.5	1833.7	1787.2	1774.7
65°	2062.3	2063.4	2108.7	2212.6	2352.4	2440.0	2301.3	2142.9	2035.5	1967.0	1957.3
67.5°	2219.2	2223.8	2271.6	2396.6	2527.3	2606.3	2462.8	2283.7	2159.6	2077.9	2069.8
70°	2194.1	2212.2	2268.3	2414.2	2596.0	2708.7	2489.0	2267.0	2103.2	2006.9	2000.0
72.5°	1913.5	1948.1	2022.9	2214.4	2505.1	2660.2	2346.2	2030.4	1845.1	1763.0	1750.7
75°	1303.1	1359.2	1472.1	1748.3	2140.2	2303.3	1975.2	1618.9	1444.6	1331.0	1322.6
77.5°	581.0	593.8	736.8	1054.8	1476.9	1654.1	1435.1	1059.0	794.9	634.0	600.1
80°	162.0	164.0	218.8	392.8	739.2	971.8	793.6	412.6	232.0	163.5	154.1
82.5°	51.5	55.9	68.2	101.9	248.5	443.4	255.1	110.0	78.3	62.5	56.3
85°	25.1	24.9	34.6	41.4	63.4	98.2	67.6	51.1	44.7	29.7	26.8
87.5°	10.6	10.8	16.1	14.5	18.5	15.8	21.8	22.9	24.0	13.2	11.4
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



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





--- HS — SS

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



u

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)