

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P634991

Luminaire Tested: GWS-SA3C-830-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634991  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-830-U-5NQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

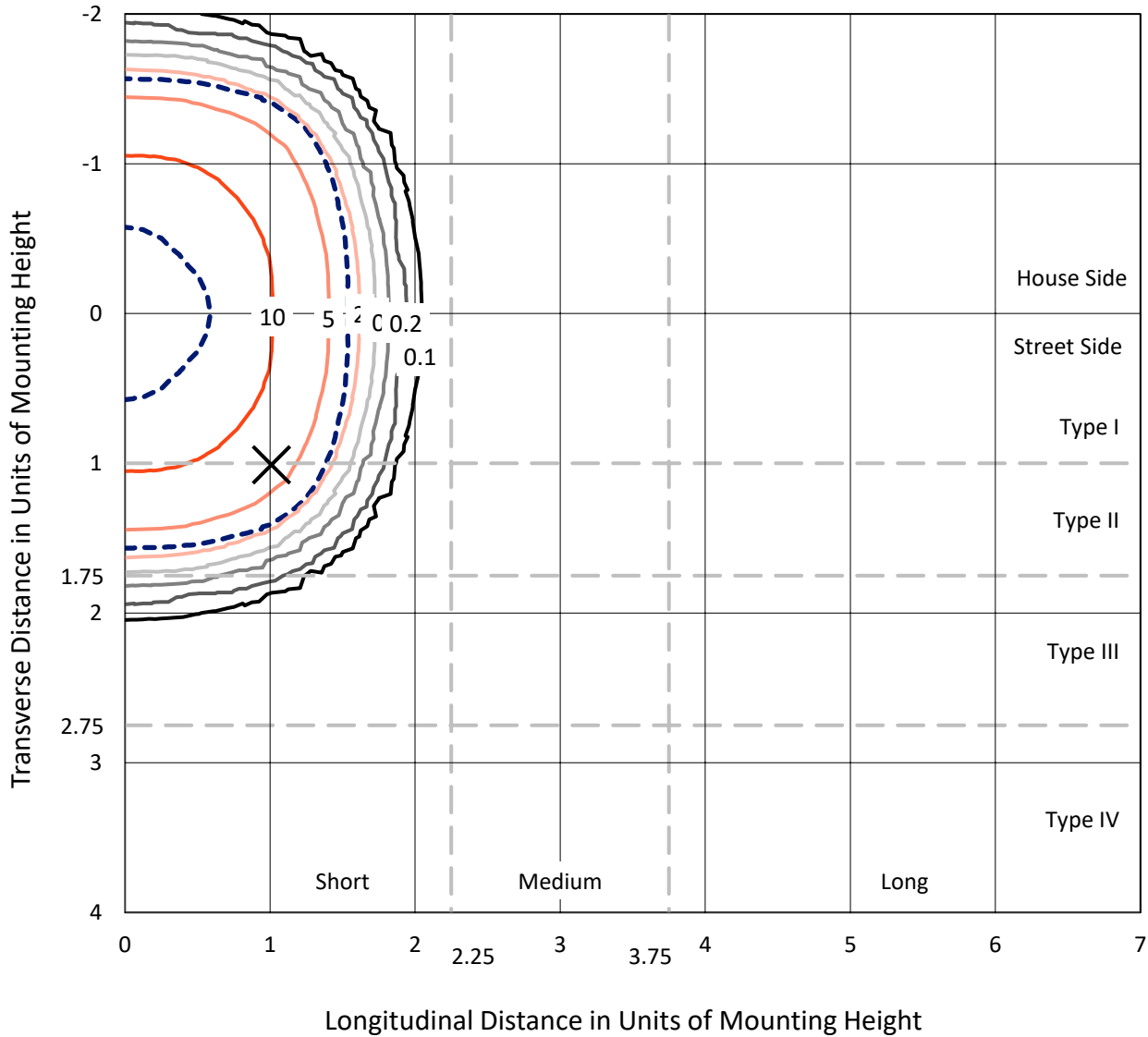
Lumens per Lamp: N/A  
Luminaire Lumens: 7797.7 lumens  
Efficiency: N/A  
Efficacy: 83.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

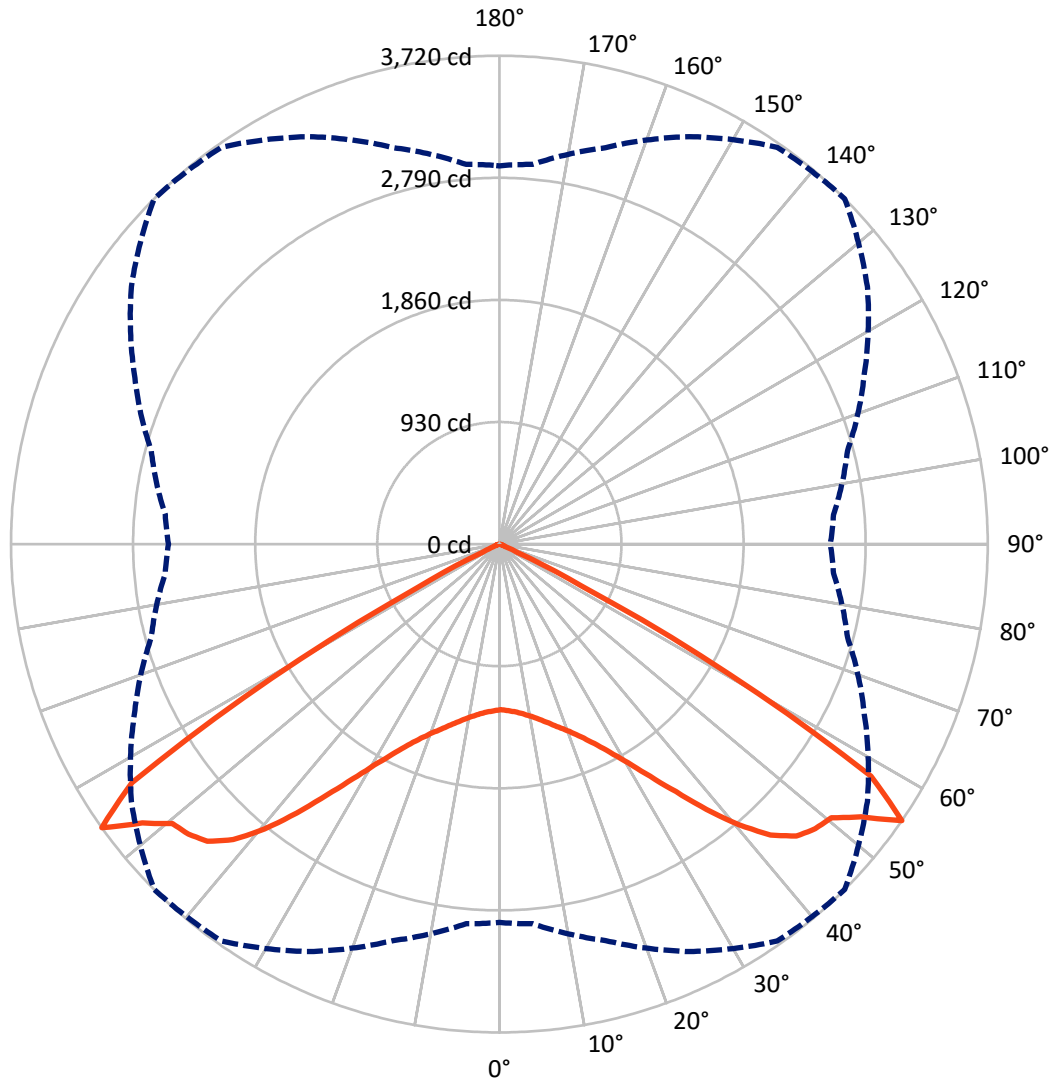
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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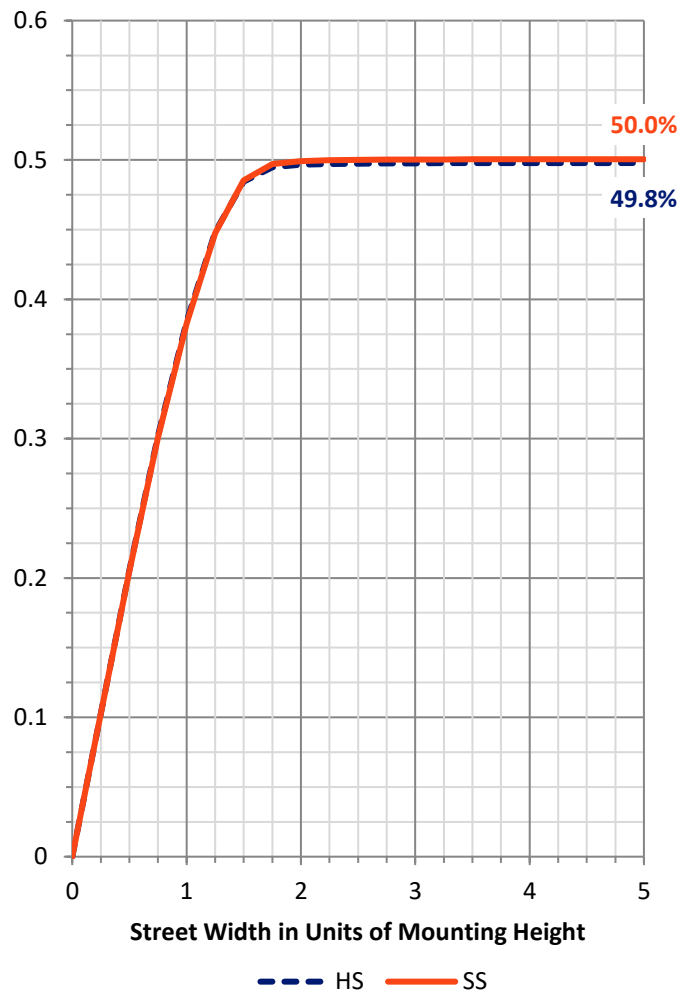
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3898.8	0.0	3898.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3898.8	0.0	3898.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7797.7	0.0	7797.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.5	1.6
10°-20°	400.4	5.1
20°-30°	775.5	9.9
30°-40°	1389.3	17.8
40°-50°	2329.2	29.9
50°-60°	2493.3	32.0
60°-70°	274.0	3.5
70°-80°	12.1	0.2
80°-90°	0.6	0.0
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°	7797.7	100.0
0°-180°	7797.7	100.0

**Coefficient of Utilization**



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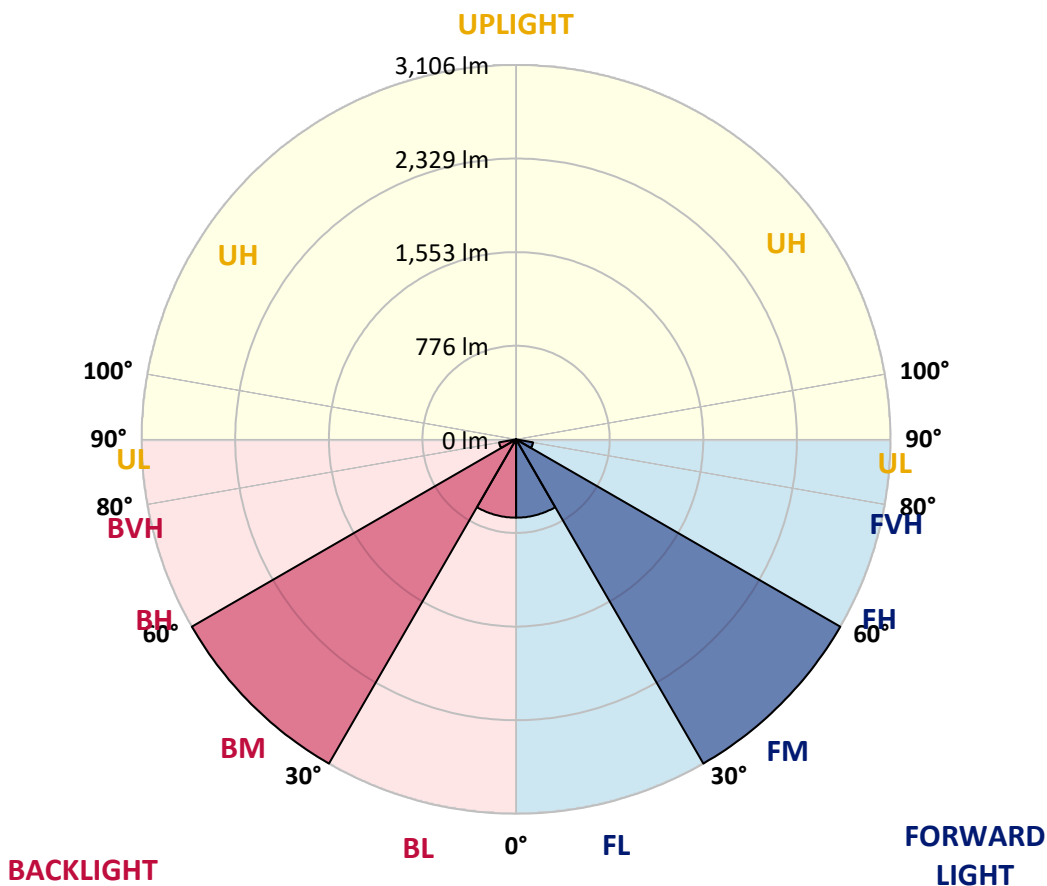
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	649.7	8.3			
FM (30°-60°)	3105.9	39.8			
FH (60°-80°)	143.0	1.8			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	649.7	8.3	B2/1000		
BM (30°-60°)	3105.9	39.8	B3/5000		
BH (60°-80°)	143.0	1.8	B1/500		G0/660
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7
2.5°	1258.4	1258.4	1261.5	1263.9	1263.9	1270.3	1267.9	1265.5	1265.5	1262.3	1268.7
5°	1276.6	1275.8	1279.0	1280.6	1277.4	1283.8	1279.8	1277.4	1275.8	1272.7	1279.0
7.5°	1296.5	1297.3	1298.1	1301.3	1299.7	1306.0	1302.8	1298.1	1296.5	1291.7	1298.1
10°	1320.3	1320.3	1321.9	1325.9	1326.7	1334.6	1331.4	1325.9	1321.1	1316.3	1322.7
12.5°	1350.5	1351.3	1353.7	1359.2	1362.4	1371.2	1366.4	1355.3	1348.1	1342.6	1349.7
15°	1394.2	1393.4	1396.6	1404.5	1408.5	1414.9	1407.7	1392.6	1383.9	1377.5	1382.3
17.5°	1441.9	1441.9	1443.5	1451.4	1457.0	1466.5	1457.8	1439.5	1431.5	1422.8	1427.6
20°	1494.3	1496.7	1498.3	1503.8	1513.4	1522.9	1515.7	1497.5	1488.7	1477.6	1483.2
22.5°	1563.4	1561.0	1561.8	1571.4	1584.9	1594.4	1588.8	1567.4	1552.3	1543.5	1546.7
25°	1640.5	1639.7	1642.1	1656.4	1671.5	1681.8	1673.8	1646.0	1630.9	1615.8	1622.2
27.5°	1735.0	1735.8	1737.4	1754.9	1778.7	1793.8	1773.9	1746.1	1725.5	1705.6	1710.4
30°	1847.0	1845.4	1850.2	1874.0	1909.0	1932.8	1909.8	1870.8	1841.5	1822.4	1824.8
32.5°	1966.2	1967.8	1980.5	2018.6	2064.7	2106.8	2059.9	2008.3	1970.2	1934.4	1939.2
35°	2094.9	2098.8	2127.4	2183.8	2259.3	2315.7	2250.6	2165.6	2111.6	2065.5	2067.1
37.5°	2246.6	2256.1	2295.9	2380.1	2488.1	2563.6	2468.2	2355.4	2285.5	2228.3	2224.4
40°	2446.0	2457.1	2511.1	2611.2	2742.3	2811.4	2701.0	2585.0	2498.4	2436.5	2426.9
42.5°	2674.8	2689.1	2747.9	2850.4	2981.4	3028.3	2920.3	2822.6	2744.7	2671.6	2668.4
45°	2933.0	2940.9	2988.6	3067.2	3161.8	3172.9	3091.9	3037.8	2959.2	2890.9	2885.3
47.5°	3175.3	3183.2	3215.8	3256.3	3278.6	3238.8	3224.5	3200.7	3099.0	3014.8	2997.3
50°	3359.6	3365.9	3406.5	3422.3	3360.4	3276.2	3304.0	3253.1	3142.7	3048.2	3021.2
52.5°	3346.9	3362.8	3466.8	3557.4	3518.5	3450.1	3375.5	3265.8	3094.2	2964.8	2931.4
55°	2881.3	2902.8	3126.0	3423.9	3690.1	3719.5	3420.8	3067.2	2744.7	2554.8	2520.7
57.5°	1851.8	1857.3	2129.8	2547.7	3147.5	3336.5	2836.9	2312.5	1911.4	1702.4	1688.1
60°	680.8	669.7	875.4	1221.8	1812.9	2013.0	1669.9	1169.4	834.1	686.4	674.5
62.5°	163.6	165.2	205.0	307.4	568.8	703.9	556.1	310.6	197.8	166.0	164.4
65°	82.6	81.0	81.8	88.2	121.5	145.4	119.2	84.2	81.0	81.8	81.0
67.5°	53.2	52.4	54.0	54.8	54.0	50.8	50.0	51.6	51.6	52.4	50.8
70°	32.6	31.8	33.4	35.7	34.2	30.2	31.8	33.4	31.8	31.0	31.0
72.5°	17.5	17.5	19.1	20.7	19.1	17.5	17.5	18.3	17.5	17.5	17.5
75°	7.9	7.9	8.7	9.5	7.9	7.9	7.9	7.9	7.9	7.9	7.9
77.5°	2.4	2.4	3.2	3.2	2.4	2.4	2.4	2.4	3.2	3.2	3.2
80°	0.8	1.6	1.6	0.8	0.8	0.8	0.8	0.8	1.6	1.6	1.6
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)