

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: P634391

Luminaire Tested: GWS-SA3B-760-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634391  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-760-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

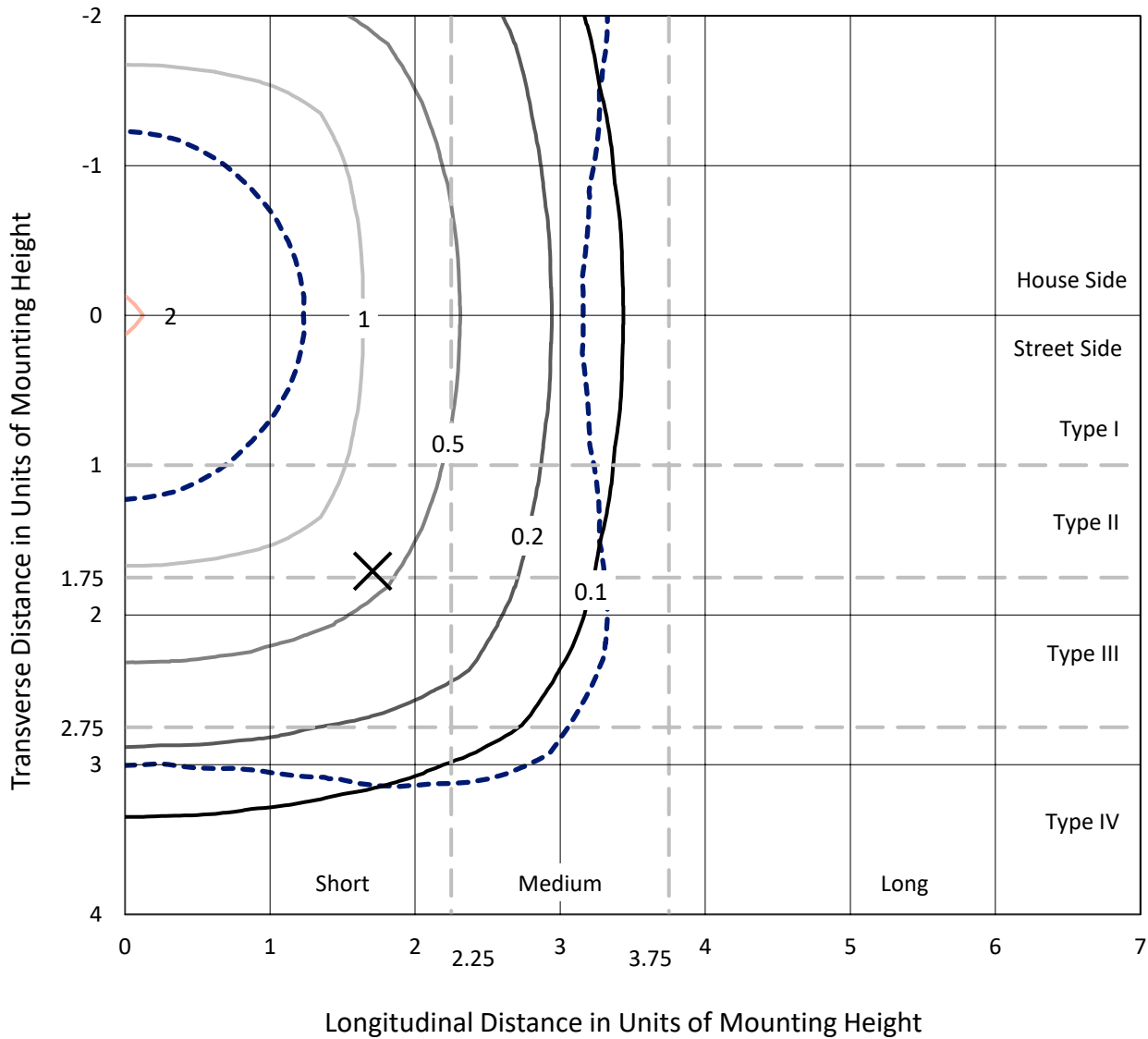
Lumens per Lamp: N/A  
Luminaire Lumens: 10638.8 lumens  
Efficiency: N/A  
Efficacy: 155.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

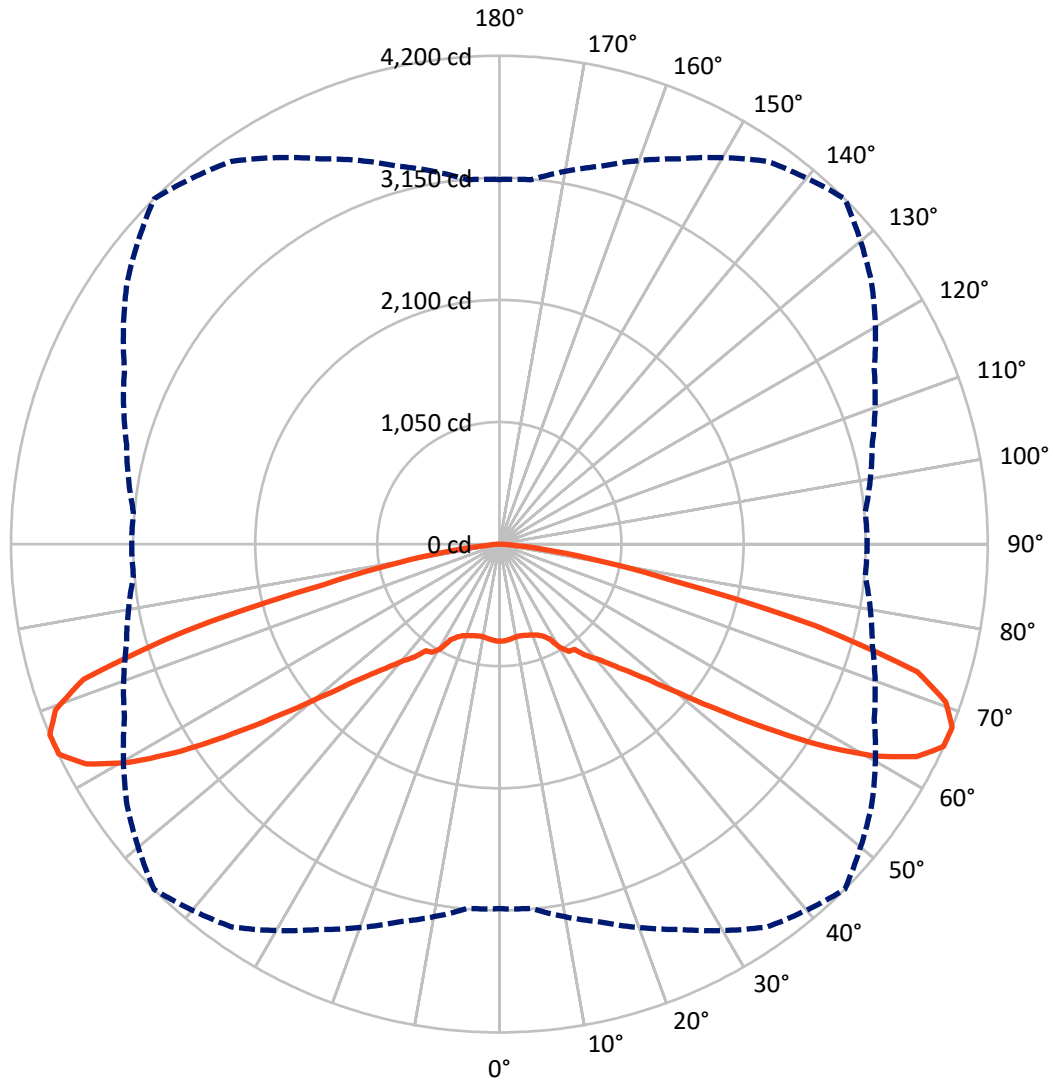
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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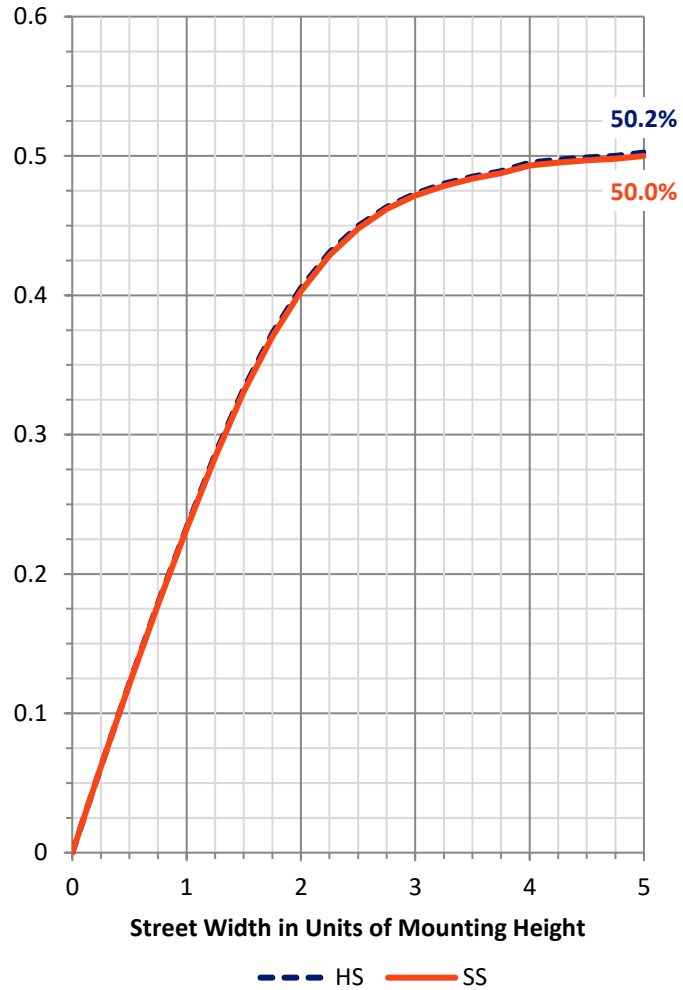
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5319.4	0.0	5319.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5319.4	0.0	5319.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10638.8	0.0	10638.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.3	0.7
10°-20°	232.5	2.2
20°-30°	417.0	3.9
30°-40°	704.4	6.6
40°-50°	1237.7	11.6
50°-60°	2387.6	22.4
60°-70°	3464.1	32.6
70°-80°	1982.0	18.6
80°-90°	135.3	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°	10638.8	100.0
0°-180°	10638.8	100.0

**Coefficient of Utilization**



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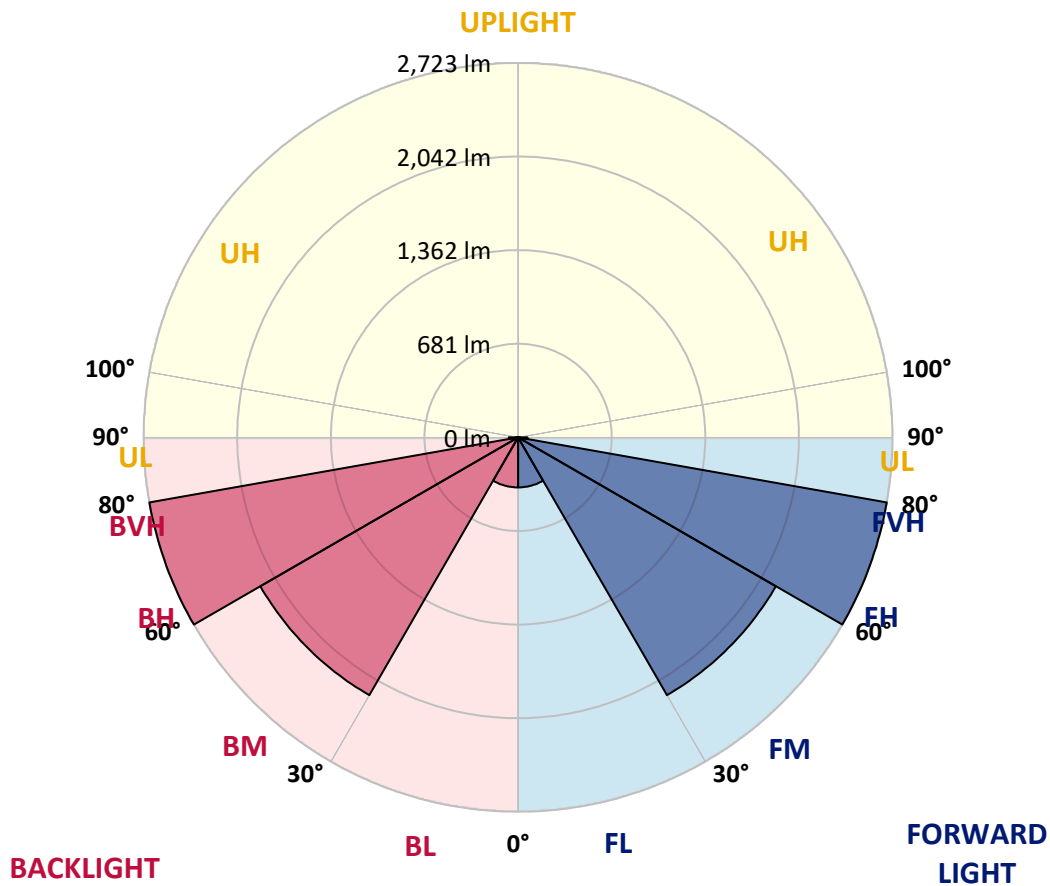
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	363.9	3.4			
FM (30°-60°)	2164.9	20.3			
FH (60°-80°)	2723.0	25.6			G2/5000
FVH (80°-90°)	67.6	0.6			G1/100
BL (0°-30°)	363.9	3.4	B1/500		
BM (30°-60°)	2164.9	20.3	B2/2500		
BH (60°-80°)	2723.0	25.6	B4/5000		G2/5000
BVH (80°-90°)	67.6	0.6			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°	834.3	834.3	834.3	834.3	834.3	834.3	834.3	834.3	834.3	834.3	834.3
2.5°	827.5	828.3	829.8	829.8	831.3	833.5	834.3	832.8	833.5	829.8	833.5
5°	825.3	826.0	826.8	825.3	825.3	826.0	826.0	824.5	825.3	821.5	825.3
7.5°	820.0	820.8	820.8	818.5	816.2	817.7	817.7	816.2	817.0	813.2	817.7
10°	815.5	815.5	814.7	810.2	808.0	810.2	811.0	811.7	814.7	811.7	817.0
12.5°	818.5	818.5	816.2	810.2	806.5	808.0	809.5	811.0	816.2	815.5	821.5
15°	826.8	827.5	821.5	814.7	812.5	814.7	813.2	812.5	819.3	821.5	828.3
17.5°	833.5	833.5	826.0	819.3	820.0	823.8	820.8	817.0	823.8	828.3	835.8
20°	839.6	838.8	830.5	826.0	829.0	834.3	832.0	826.8	831.3	836.6	843.3
22.5°	854.6	853.9	844.8	842.6	845.6	850.8	848.6	844.1	849.3	856.9	865.1
25°	897.5	896.0	882.4	874.9	873.4	877.2	876.4	874.9	883.2	892.2	902.0
27.5°	954.7	953.9	944.1	936.6	926.8	923.8	926.1	932.9	944.9	951.7	959.9
30°	983.3	983.3	981.7	993.8	1014.9	1035.2	1019.4	993.8	983.3	980.2	988.5
32.5°	1020.9	1024.6	1019.4	1032.9	1068.3	1098.4	1068.3	1026.9	1019.4	1019.4	1028.4
35°	1107.4	1108.9	1100.6	1098.4	1109.6	1113.4	1099.1	1084.1	1092.3	1093.8	1105.1
37.5°	1176.6	1176.6	1172.8	1178.9	1202.2	1216.5	1193.1	1166.1	1168.3	1169.8	1184.1
40°	1283.4	1286.4	1277.4	1276.7	1285.7	1298.5	1273.6	1256.3	1268.4	1272.1	1294.0
42.5°	1416.6	1416.6	1403.0	1399.3	1405.3	1418.8	1395.5	1384.2	1400.0	1403.0	1415.8
45°	1575.3	1579.1	1561.0	1554.2	1557.3	1561.8	1545.2	1540.0	1555.0	1561.8	1584.3
47.5°	1768.7	1772.4	1756.6	1755.9	1752.9	1755.9	1740.1	1737.1	1749.1	1743.8	1767.9
50°	2007.1	2013.9	2000.4	2019.2	2016.9	2025.9	2004.1	1988.3	1988.3	1974.0	1987.6
52.5°	2274.2	2287.7	2294.5	2326.1	2350.2	2372.7	2336.6	2311.8	2275.7	2246.4	2283.2
55°	2565.3	2561.6	2604.5	2673.7	2744.4	2797.8	2727.1	2648.8	2590.2	2529.2	2543.5
57.5°	2820.4	2833.2	2889.6	3016.0	3155.9	3268.7	3141.6	2991.1	2858.0	2770.7	2782.8
60°	3032.5	3043.0	3118.3	3300.3	3544.8	3700.6	3498.9	3250.7	3057.3	2937.0	2949.8
62.5°	3228.1	3237.9	3313.9	3514.7	3823.2	4026.3	3766.0	3426.7	3211.6	3090.4	3098.0
65°	3341.0	3347.0	3450.8	3662.2	3987.2	4197.1	3903.7	3553.9	3342.5	3219.1	3223.6
67.5°	3135.6	3145.4	3364.3	3656.2	4018.8	4200.1	3909.7	3557.6	3319.9	3158.9	3162.7
70°	2473.6	2465.3	2726.3	3228.1	3837.5	4073.7	3735.9	3290.6	2923.4	2698.5	2694.7
72.5°	1886.0	1888.3	2033.5	2377.3	3128.8	3759.2	3296.6	2649.6	2253.9	2083.1	2076.3
75°	1367.7	1388.7	1506.9	1758.9	2188.4	2809.8	2481.8	1963.5	1698.7	1596.4	1581.3
77.5°	616.1	643.2	808.0	1104.4	1463.2	1552.7	1558.8	1333.1	1005.8	835.8	809.5
80°	179.8	192.6	247.5	423.5	681.6	880.9	699.6	588.3	366.4	287.4	273.8
82.5°	76.0	86.5	106.1	117.4	197.9	408.5	254.3	161.7	150.5	121.9	111.3
85°	32.3	34.6	44.4	47.4	63.9	87.3	80.5	73.0	70.0	54.2	49.7
87.5°	13.5	13.5	13.5	12.0	11.3	12.0	16.6	21.1	27.8	21.8	20.3
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)