

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: P634336

Luminaire Tested: GWS-SA3B-750-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634336  
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-750-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

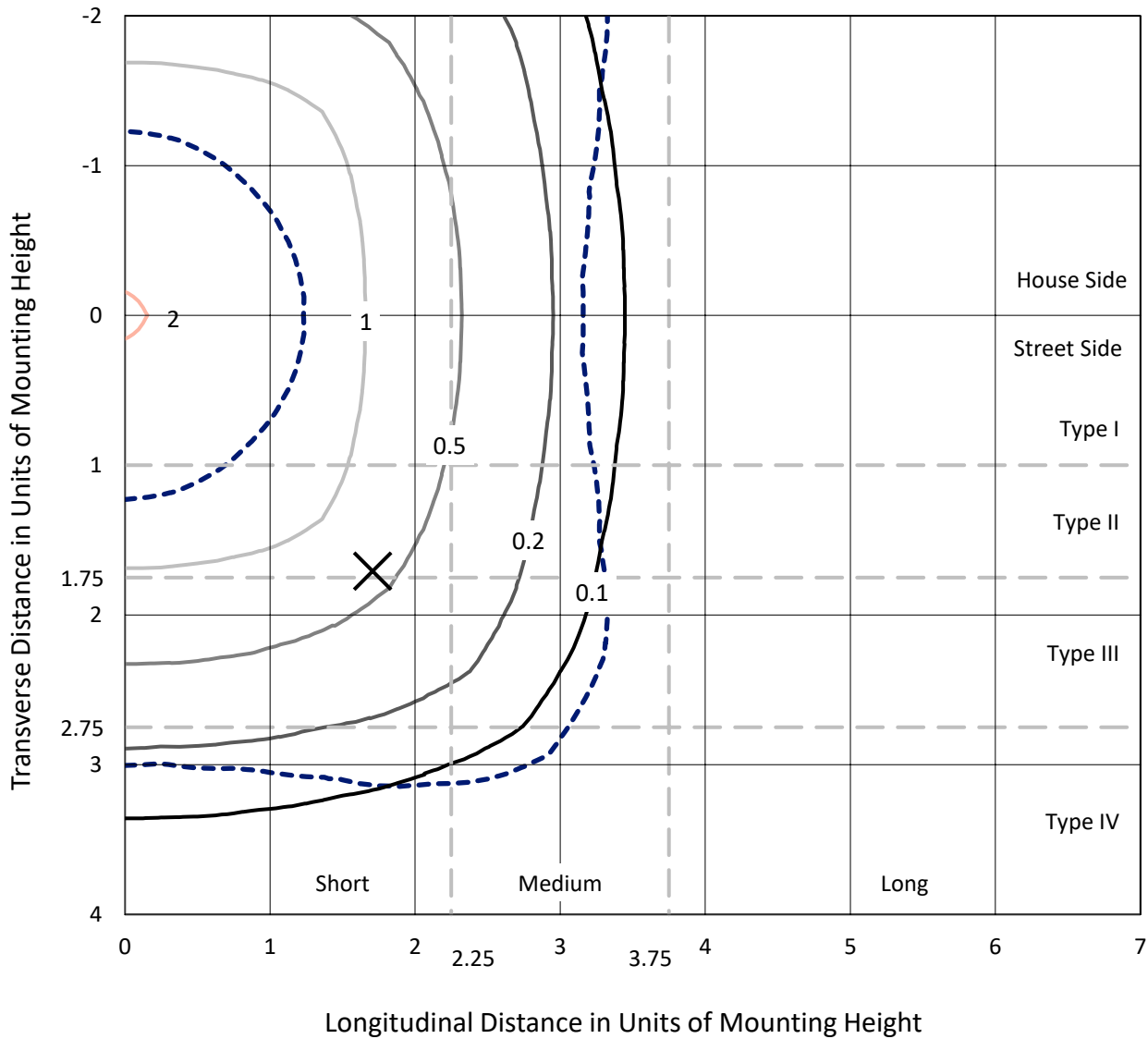
Lumens per Lamp: N/A  
Luminaire Lumens: 10786.6 lumens  
Efficiency: N/A  
Efficacy: 157.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

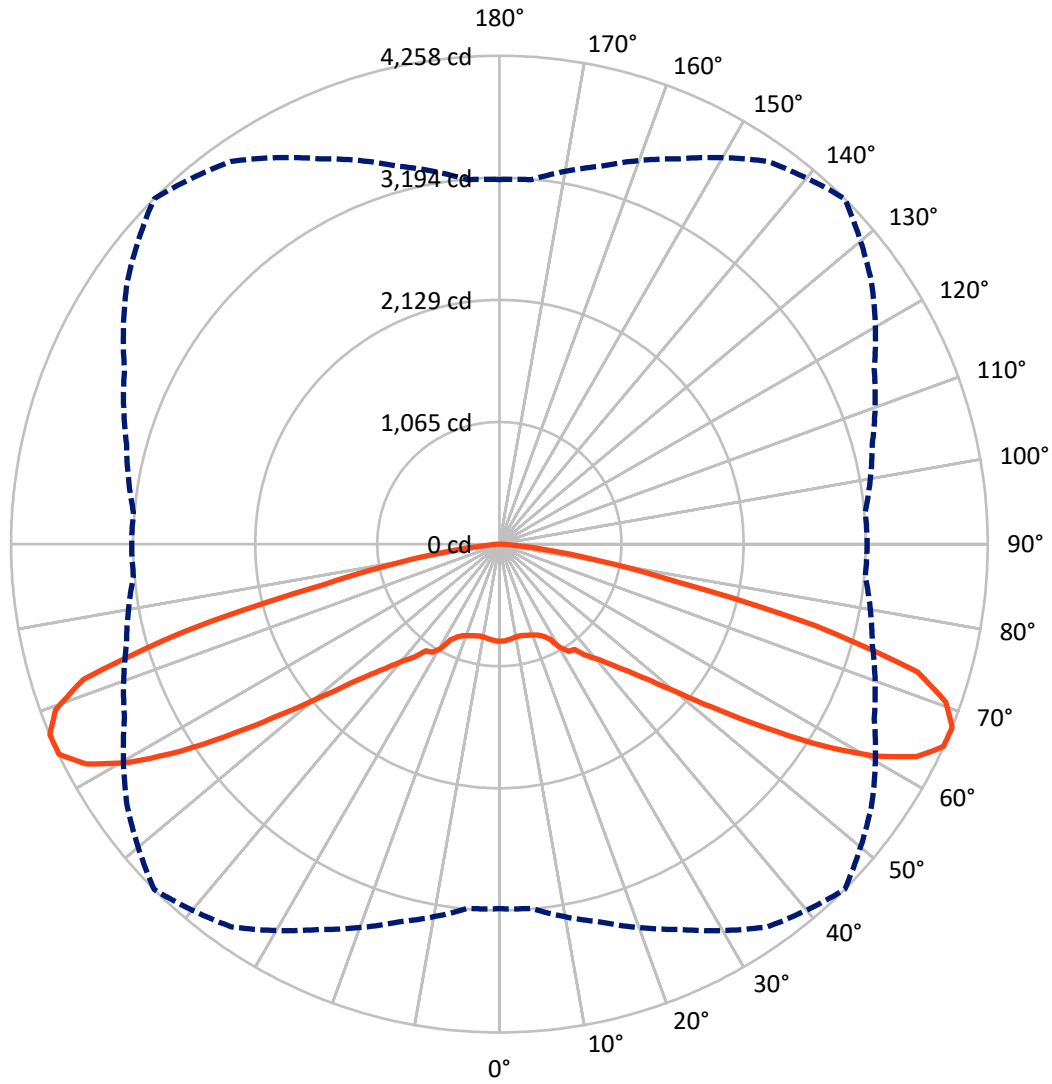
✕ Max cd  
 - - - 1/2 Max cd



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	5393.3	0.0	5393.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5393.3	0.0	5393.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10786.6	0.0	10786.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.4	0.7
10°-20°	235.7	2.2
20°-30°	422.8	3.9
30°-40°	714.2	6.6
40°-50°	1254.9	11.6
50°-60°	2420.7	22.4
60°-70°	3512.2	32.6
70°-80°	2009.5	18.6
80°-90°	137.1	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°	10786.6	100.0
0°-180°	10786.6	100.0

**Coefficient of Utilization**



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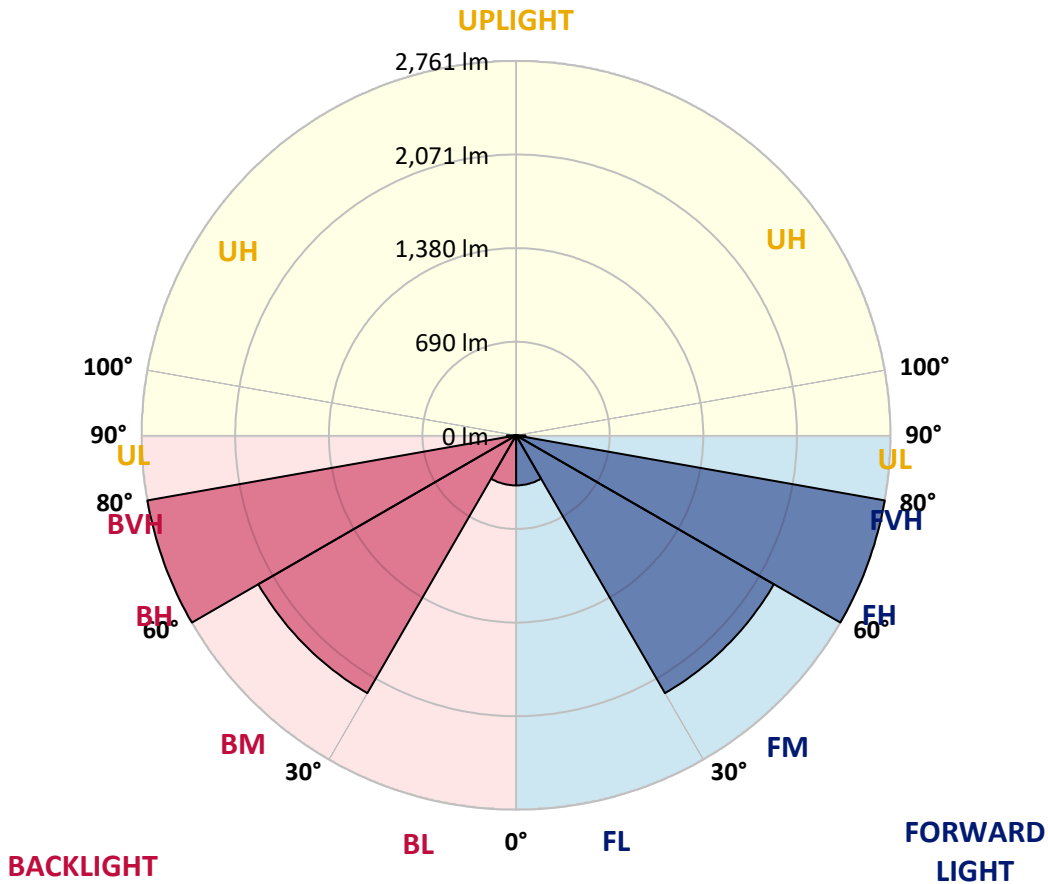
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	369.0	3.4			
FM (30°-60°)	2194.9	20.3			
FH (60°-80°)	2760.8	25.6			G2/5000
FVH (80°-90°)	68.6	0.6			G1/100
BL (0°-30°)	369.0	3.4	B1/500		
BM (30°-60°)	2194.9	20.3	B2/2500		
BH (60°-80°)	2760.8	25.6	B4/5000		G2/5000
BVH (80°-90°)	68.6	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°	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9
2.5°	839.0	839.8	841.3	841.3	842.8	845.1	845.9	844.4	845.1	841.3	845.1
5°	836.7	837.5	838.3	836.7	836.7	837.5	837.5	836.0	836.7	832.9	836.7
7.5°	831.4	832.2	832.2	829.9	827.6	829.1	829.1	827.6	828.3	824.5	829.1
10°	826.8	826.8	826.1	821.5	819.2	821.5	822.2	823.0	826.1	823.0	828.3
12.5°	829.9	829.9	827.6	821.5	817.7	819.2	820.7	822.2	827.6	826.8	832.9
15°	838.3	839.0	832.9	826.1	823.8	826.1	824.5	823.8	830.6	832.9	839.8
17.5°	845.1	845.1	837.5	830.6	831.4	835.2	832.2	828.3	835.2	839.8	847.4
20°	851.2	850.5	842.1	837.5	840.6	845.9	843.6	838.3	842.8	848.2	855.0
22.5°	866.5	865.7	856.6	854.3	857.3	862.7	860.4	855.8	861.1	868.8	877.2
25°	910.0	908.4	894.7	887.1	885.6	889.4	888.6	887.1	895.5	904.6	914.5
27.5°	967.9	967.2	957.3	949.6	939.7	936.7	938.9	945.8	958.0	964.9	973.3
30°	996.9	996.9	995.4	1007.6	1028.9	1049.5	1033.5	1007.6	996.9	993.9	1002.3
32.5°	1035.1	1038.9	1033.5	1047.3	1083.1	1113.6	1083.1	1041.2	1033.5	1033.5	1042.7
35°	1122.8	1124.3	1115.9	1113.6	1125.1	1128.9	1114.4	1099.1	1107.5	1109.0	1120.5
37.5°	1192.9	1192.9	1189.1	1195.2	1218.9	1233.4	1209.7	1182.3	1184.6	1186.1	1200.6
40°	1301.3	1304.3	1295.1	1294.4	1303.5	1316.5	1291.3	1273.8	1286.0	1289.8	1311.9
42.5°	1436.3	1436.3	1422.5	1418.7	1424.8	1438.5	1414.9	1403.5	1419.5	1422.5	1435.5
45°	1597.2	1601.0	1582.7	1575.8	1578.9	1583.5	1566.7	1561.3	1576.6	1583.5	1606.4
47.5°	1793.2	1797.0	1781.0	1780.3	1777.2	1780.3	1764.2	1761.2	1773.4	1768.1	1792.5
50°	2035.0	2041.9	2028.2	2047.2	2044.9	2054.1	2032.0	2015.9	2015.9	2001.5	2015.2
52.5°	2305.8	2319.5	2326.4	2358.4	2382.8	2405.7	2369.1	2343.9	2307.3	2277.6	2314.9
55°	2601.0	2597.2	2640.6	2710.8	2782.5	2836.7	2765.0	2685.6	2626.1	2564.4	2578.9
57.5°	2859.5	2872.5	2929.7	3057.9	3199.7	3314.1	3185.2	3032.7	2897.7	2809.2	2821.4
60°	3074.6	3085.3	3161.6	3346.2	3594.1	3752.0	3547.5	3295.8	3099.8	2977.8	2990.7
62.5°	3273.0	3282.9	3359.9	3563.6	3876.3	4082.2	3818.3	3474.3	3256.2	3133.4	3141.0
65°	3387.4	3393.5	3498.7	3713.1	4042.6	4255.4	3957.9	3603.2	3388.9	3263.8	3268.4
67.5°	3179.1	3189.1	3411.0	3707.0	4074.6	4258.4	3964.0	3607.0	3366.0	3202.8	3206.6
70°	2507.9	2499.5	2764.2	3273.0	3890.8	4130.3	3787.8	3336.3	2964.0	2736.0	2732.2
72.5°	1912.2	1914.5	2061.7	2410.3	3172.3	3811.5	3342.4	2686.4	2285.2	2112.1	2105.2
75°	1386.7	1408.0	1527.8	1783.3	2218.8	2848.9	2516.3	1990.8	1722.3	1618.6	1603.3
77.5°	624.7	652.2	819.2	1119.7	1483.5	1574.3	1580.4	1351.6	1019.8	847.4	820.7
80°	182.3	195.3	250.9	429.4	691.1	893.2	709.4	596.5	371.5	291.4	277.6
82.5°	77.0	87.7	107.5	119.0	200.6	414.2	257.8	164.0	152.5	123.6	112.9
85°	32.8	35.1	45.0	48.1	64.8	88.5	81.6	74.0	70.9	54.9	50.3
87.5°	13.7	13.7	13.7	12.2	11.4	12.2	16.8	21.4	28.2	22.1	20.6
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)