

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: P642751

Luminaire Tested: GWS-SA6D-750-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642751
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-SA6D-750-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37148.2 lumens
Efficiency: N/A
Efficacy: 151.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

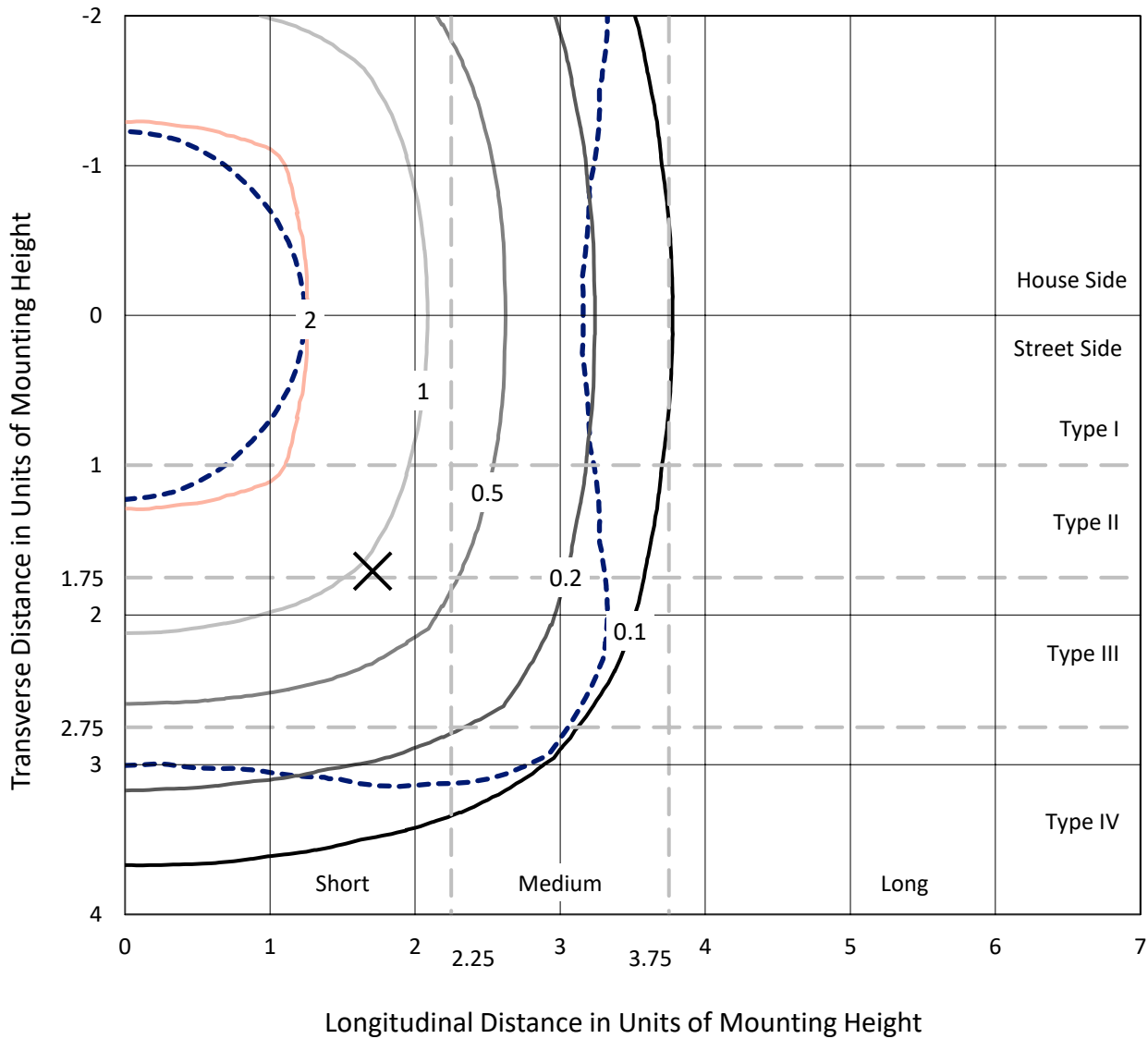
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

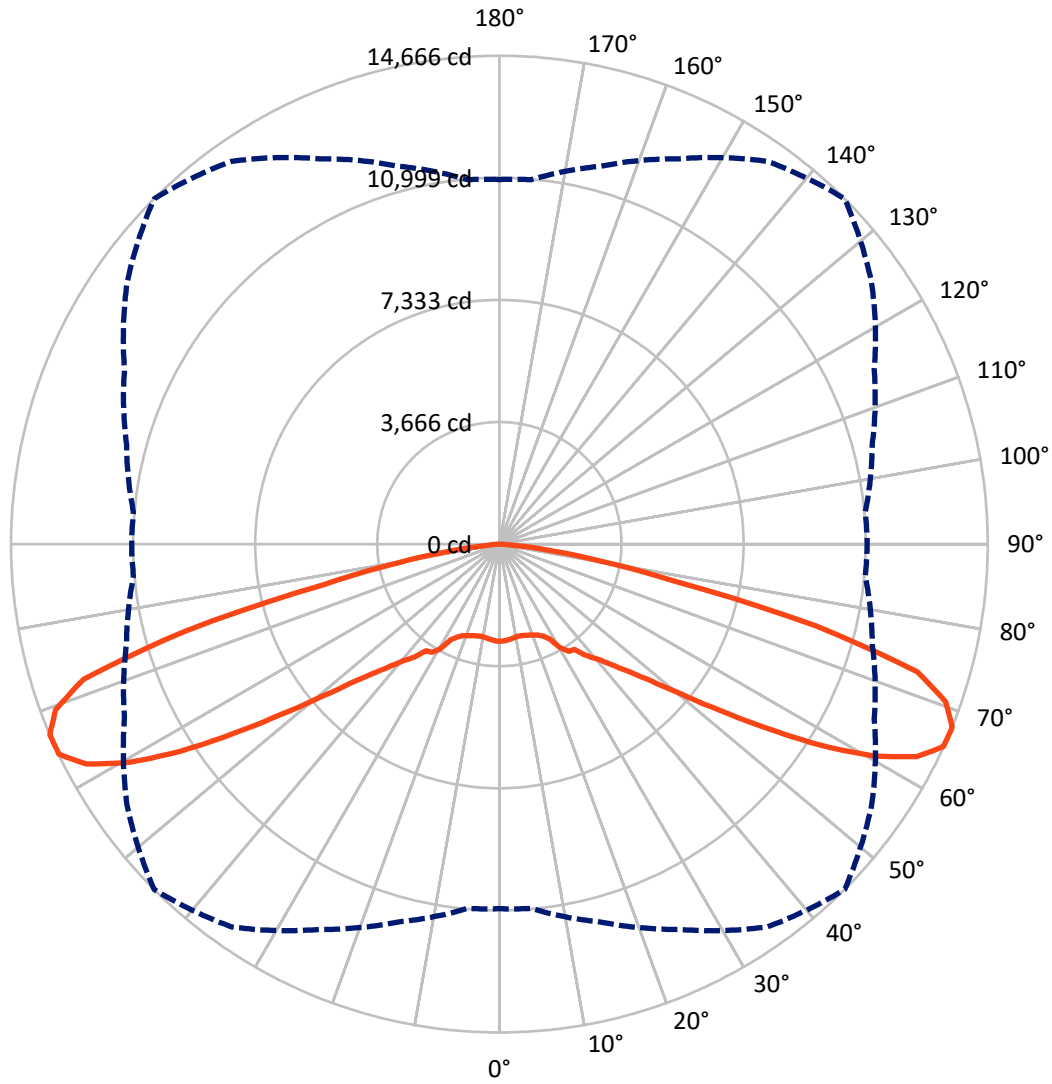
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.2 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
House Side	Lumens	18574.1	0.0	18574.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18574.1	0.0	18574.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	37148.2	0.0	37148.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.5	0.7
10°-20°	811.7	2.2
20°-30°	1456.1	3.9
30°-40°	2459.7	6.6
40°-50°	4321.8	11.6
50°-60°	8336.8	22.4
60°-70°	12095.6	32.6
70°-80°	6920.6	18.6
80°-90°	472.3	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°	37148.2	100.0
0°-180°	37148.2	100.0

Coefficient of Utilization



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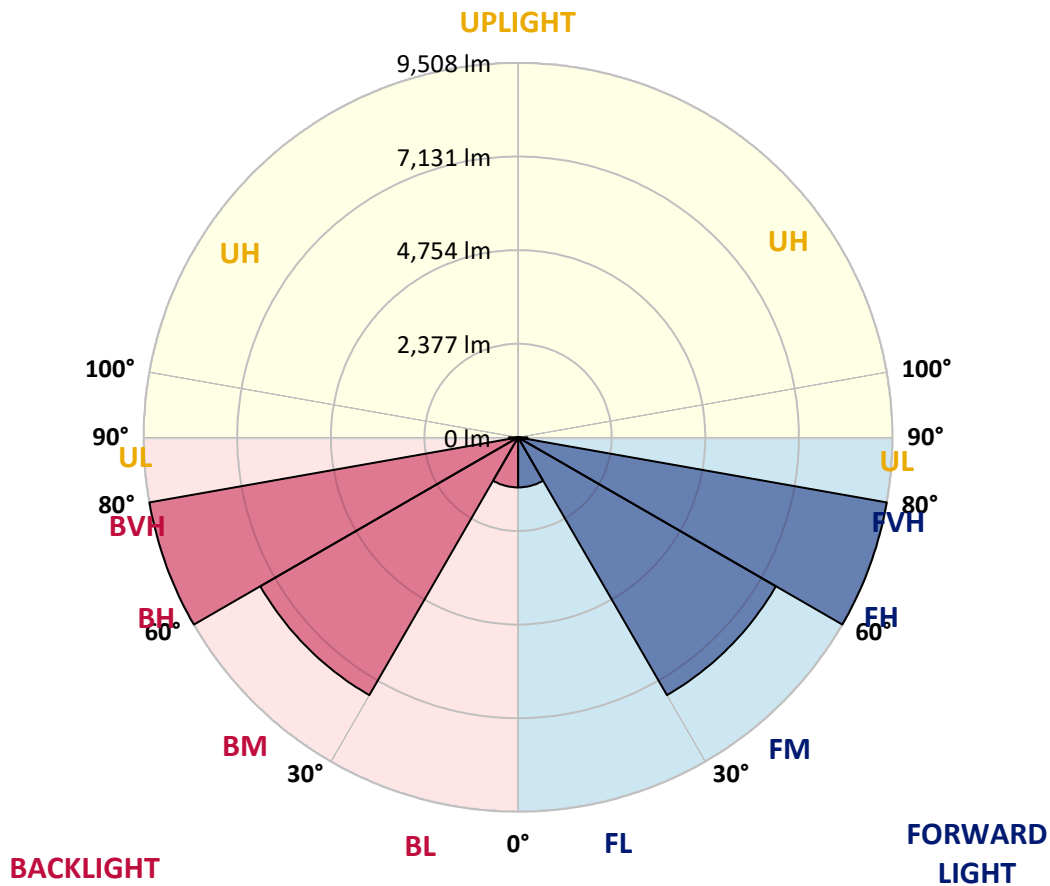
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1270.7	3.4			
FM (30°-60°)	7559.2	20.3			
FH (60°-80°)	9508.1	25.6			G4/12000
FVH (80°-90°)	236.2	0.6			G3/500
BL (0°-30°)	1270.7	3.4	B3/2500		
BM (30°-60°)	7559.2	20.3	B4/8500		
BH (60°-80°)	9508.1	25.6	B5		G4/12000
BVH (80°-90°)	236.2	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2913.2	2913.2	2913.2	2913.2	2913.2	2913.2	2913.2	2913.2	2913.2	2913.2	2913.2
2.5°	2889.5	2892.2	2897.4	2897.4	2902.7	2910.6	2913.2	2907.9	2910.6	2897.4	2910.6
5°	2881.7	2884.3	2886.9	2881.7	2881.7	2884.3	2884.3	2879.0	2881.7	2868.5	2881.7
7.5°	2863.3	2865.9	2865.9	2858.0	2850.1	2855.4	2855.4	2850.1	2852.8	2839.6	2855.4
10°	2847.5	2847.5	2844.9	2829.1	2821.2	2829.1	2831.7	2834.4	2844.9	2834.4	2852.8
12.5°	2858.0	2858.0	2850.1	2829.1	2816.0	2821.2	2826.5	2831.7	2850.1	2847.5	2868.5
15°	2886.9	2889.5	2868.5	2844.9	2837.0	2844.9	2839.6	2837.0	2860.6	2868.5	2892.2
17.5°	2910.6	2910.6	2884.3	2860.6	2863.3	2876.4	2865.9	2852.8	2876.4	2892.2	2918.4
20°	2931.6	2928.9	2900.0	2884.3	2894.8	2913.2	2905.3	2886.9	2902.7	2921.1	2944.7
22.5°	2984.1	2981.5	2950.0	2942.1	2952.6	2971.0	2963.1	2947.3	2965.7	2992.0	3020.9
25°	3133.8	3128.6	3081.3	3055.0	3049.8	3062.9	3060.3	3055.0	3083.9	3115.4	3149.6
27.5°	3333.5	3330.8	3296.7	3270.4	3236.3	3225.8	3233.7	3257.3	3299.3	3323.0	3351.9
30°	3433.3	3433.3	3428.0	3470.1	3543.6	3614.5	3559.4	3470.1	3433.3	3422.8	3451.7
32.5°	3564.6	3577.8	3559.4	3606.7	3730.1	3835.2	3730.1	3585.7	3559.4	3559.4	3590.9
35°	3866.7	3872.0	3843.1	3835.2	3874.6	3887.7	3837.8	3785.3	3814.2	3819.4	3858.8
37.5°	4108.4	4108.4	4095.3	4116.3	4197.7	4247.6	4166.2	4071.6	4079.5	4084.8	4134.7
40°	4481.4	4491.9	4460.4	4457.8	4489.3	4533.9	4447.3	4386.8	4428.9	4442.0	4518.2
42.5°	4946.4	4946.4	4899.1	4885.9	4907.0	4954.2	4872.8	4833.4	4888.6	4899.1	4943.7
45°	5500.6	5513.8	5450.7	5427.1	5437.6	5453.3	5395.6	5377.2	5429.7	5453.3	5532.1
47.5°	6175.7	6188.9	6133.7	6131.1	6120.6	6131.1	6075.9	6065.4	6107.4	6089.0	6173.1
50°	7008.4	7032.1	6984.8	7050.5	7042.6	7074.1	6997.9	6942.8	6942.8	6892.9	6940.1
52.5°	7941.0	7988.3	8011.9	8122.2	8206.3	8285.1	8159.0	8072.3	7946.2	7843.8	7972.5
55°	8957.6	8944.4	9094.2	9335.8	9582.8	9769.3	9522.3	9249.1	9044.2	8831.5	8881.4
57.5°	9848.1	9892.7	10089.7	10531.0	11019.6	11413.7	10969.7	10444.4	9979.4	9674.7	9716.7
60°	10588.8	10625.6	10888.3	11524.0	12377.7	12921.5	12217.5	11350.6	10675.5	10255.2	10299.9
62.5°	11271.8	11306.0	11571.3	12272.6	13349.7	14058.9	13150.0	11965.3	11214.0	10791.1	10817.4
65°	11665.8	11686.9	12049.4	12787.5	13922.3	14655.2	13630.7	12409.2	11671.1	11240.3	11256.1
67.5°	10948.7	10982.9	11747.3	12766.5	14032.6	14665.7	13651.7	12422.4	11592.3	11030.1	11043.3
70°	8637.1	8608.2	9519.7	11271.8	13399.6	14224.4	13044.9	11489.8	10207.9	9422.5	9409.4
72.5°	6585.5	6593.4	7100.4	8300.8	10925.1	13126.4	11510.9	9251.8	7870.0	7273.7	7250.1
75°	4775.6	4849.2	5261.6	6141.6	7641.5	9811.3	8666.0	6856.1	5931.4	5574.2	5521.6
77.5°	2151.4	2246.0	2821.2	3856.2	5109.2	5421.8	5442.8	4654.8	3512.1	2918.4	2826.5
80°	627.8	672.5	864.2	1478.9	2379.9	3076.0	2443.0	2054.2	1279.3	1003.5	956.2
82.5°	265.3	302.1	370.4	409.8	690.9	1426.4	887.9	564.8	525.4	425.5	388.8
85°	113.0	120.8	155.0	165.5	223.3	304.7	281.1	254.8	244.3	189.1	173.4
87.5°	47.3	47.3	47.3	42.0	39.4	42.0	57.8	73.6	97.2	76.2	70.9
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)