

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: P642690

Luminaire Tested: GWS-SA6D-740-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642690
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-740-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37096.6 lumens
Efficiency: N/A
Efficacy: 151.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

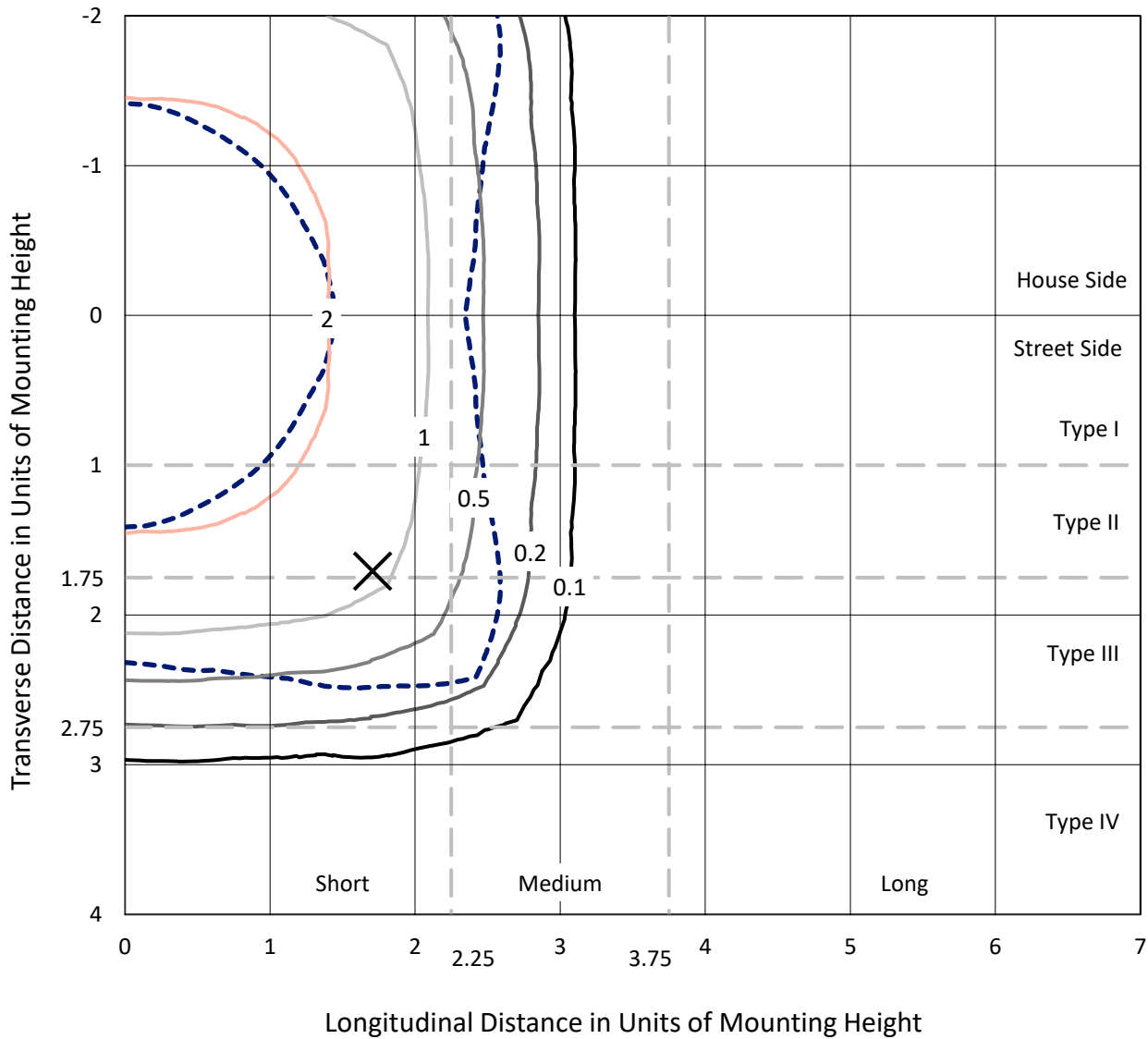
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

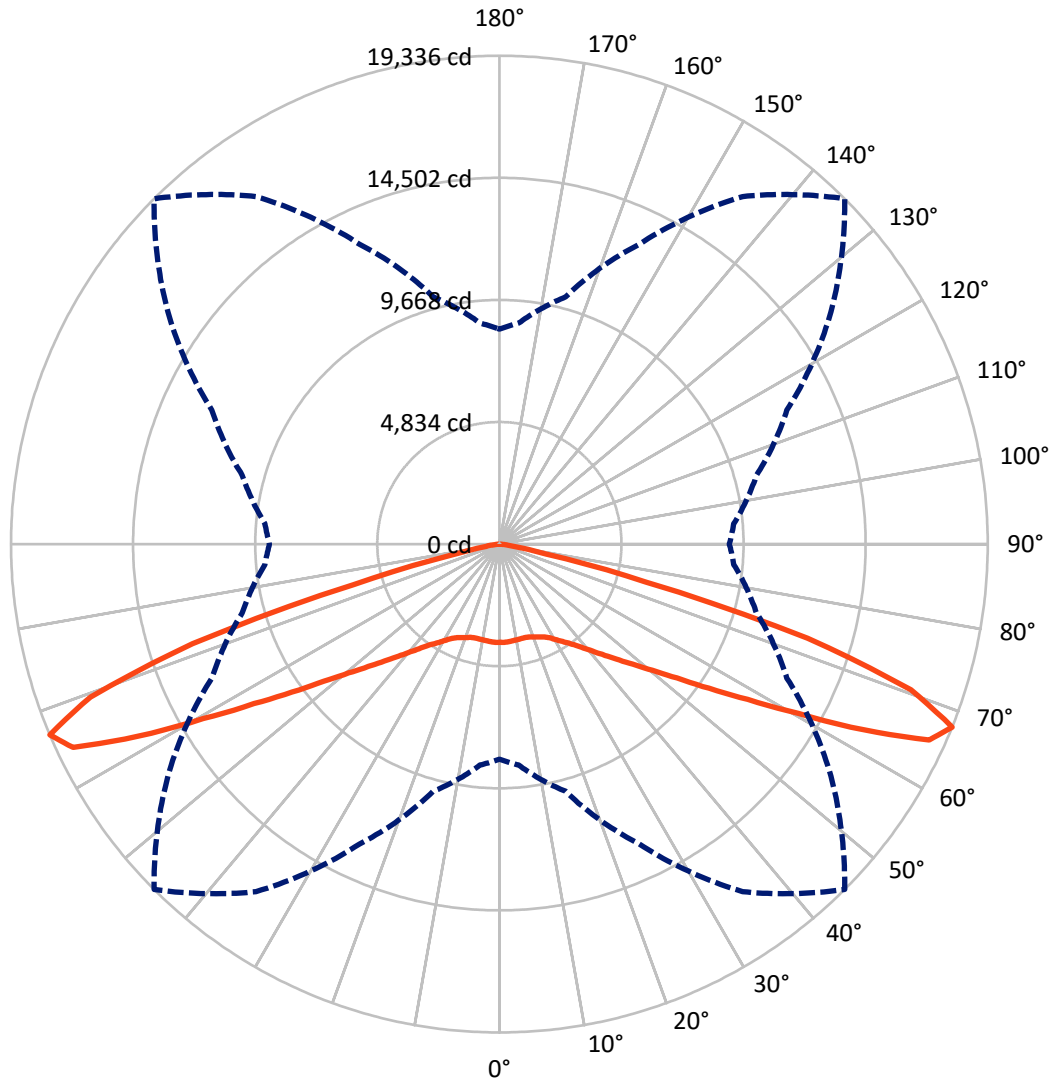
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.3 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	18548.3	0.0	18548.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18548.3	0.0	18548.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	37096.6	0.0	37096.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	367.7	1.0
10°-20°	1080.0	2.9
20°-30°	1862.7	5.0
30°-40°	3028.9	8.2
40°-50°	5100.1	13.7
50°-60°	9036.3	24.4
60°-70°	12916.8	34.8
70°-80°	3545.1	9.6
80°-90°	158.8	0.4
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°	37096.6	100.0
0°-180°	37096.6	100.0

Coefficient of Utilization



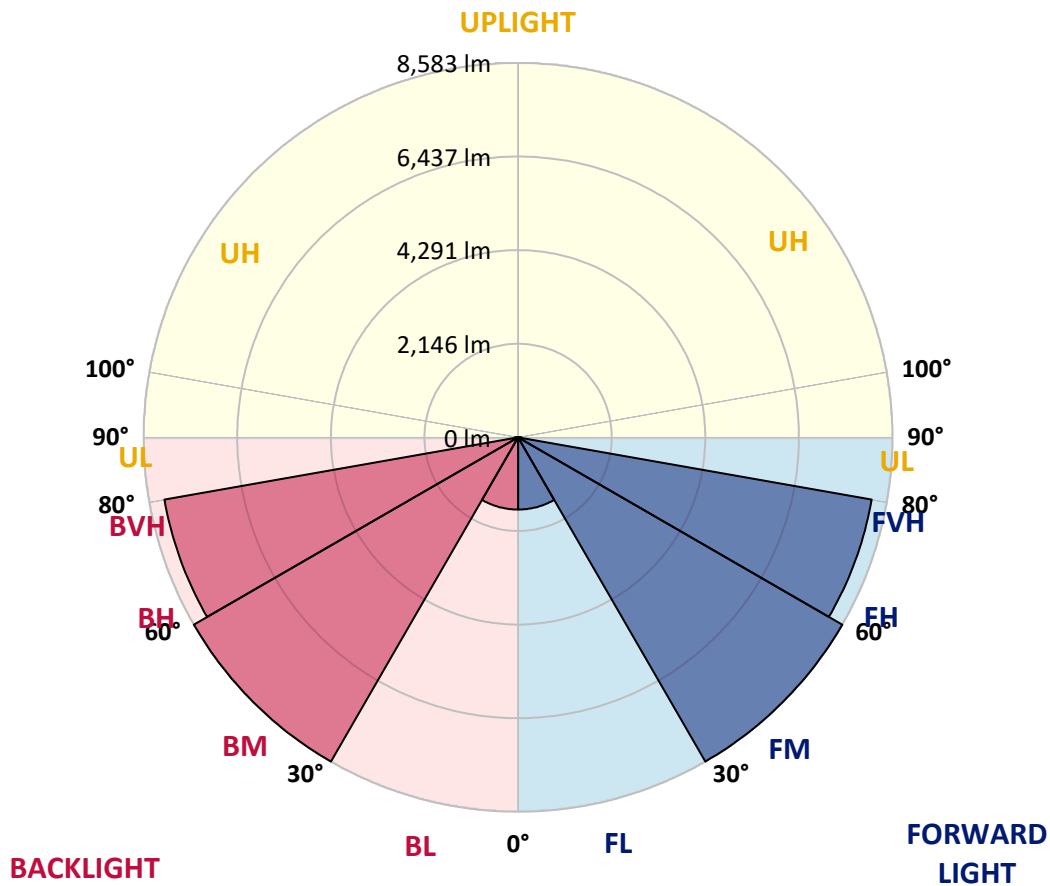
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1655.3	4.5			
FM (30°-60°)	8582.7	23.1			
FH (60°-80°)	8231.0	22.2			G4/12000
FVH (80°-90°)	79.4	0.2			G1/100
BL (0°-30°)	1655.3	4.5	B3/2500		
BM (30°-60°)	8582.7	23.1	B5		
BH (60°-80°)	8231.0	22.2	B5		G4/12000
BVH (80°-90°)	79.4	0.2			G1/100
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°	3885.2	3885.2	3885.2	3885.2	3885.2	3885.2	3885.2	3885.2	3885.2	3885.2	3885.2
2.5°	3859.5	3857.0	3869.8	3877.5	3874.9	3892.9	3890.4	3885.2	3885.2	3877.5	3898.1
5°	3859.5	3857.0	3867.2	3869.8	3864.7	3880.1	3874.9	3869.8	3869.8	3859.5	3877.5
7.5°	3839.0	3841.6	3849.3	3854.4	3849.3	3862.1	3854.4	3844.1	3841.6	3831.3	3849.3
10°	3800.5	3803.0	3810.7	3823.6	3826.2	3849.3	3836.4	3818.5	3810.7	3800.5	3818.5
12.5°	3777.4	3779.9	3787.6	3803.0	3808.2	3839.0	3826.2	3797.9	3785.1	3774.8	3792.8
15°	3772.2	3774.8	3785.1	3800.5	3808.2	3839.0	3826.2	3792.8	3774.8	3762.0	3777.4
17.5°	3772.2	3777.4	3792.8	3815.9	3831.3	3862.1	3846.7	3808.2	3782.5	3759.4	3774.8
20°	3774.8	3782.5	3805.6	3839.0	3877.5	3921.2	3900.6	3849.3	3813.3	3785.1	3795.3
22.5°	3797.9	3810.7	3839.0	3882.6	3939.1	3990.5	3972.5	3903.2	3851.8	3813.3	3823.6
25°	3877.5	3882.6	3918.6	3975.1	4029.0	4072.7	4054.7	3990.5	3926.3	3880.1	3892.9
27.5°	4018.7	4031.6	4062.4	4121.5	4167.7	4190.8	4188.2	4144.6	4080.4	4039.3	4049.6
30°	4188.2	4201.1	4242.2	4308.9	4355.1	4380.8	4373.1	4339.7	4280.7	4224.2	4234.4
32.5°	4386.0	4391.1	4439.9	4514.3	4563.1	4601.7	4576.0	4540.0	4465.6	4398.8	4403.9
35°	4637.6	4645.3	4696.7	4766.0	4804.5	4835.3	4830.2	4794.2	4714.6	4642.7	4660.7
37.5°	4953.5	4958.6	5004.8	5092.1	5122.9	5146.0	5151.2	5133.2	5051.0	4958.6	4976.6
40°	5346.3	5348.9	5400.3	5477.3	5510.7	5526.1	5528.7	5531.2	5446.5	5377.2	5372.0
42.5°	5803.4	5816.3	5888.2	5962.6	5978.0	5970.3	5996.0	6021.7	5939.5	5844.5	5852.2
45°	6350.4	6358.1	6455.7	6537.8	6509.6	6483.9	6532.7	6584.1	6509.6	6386.3	6350.4
47.5°	6997.5	7012.9	7118.2	7200.4	7154.1	7107.9	7187.5	7241.4	7120.8	6989.8	6956.4
50°	7729.3	7739.6	7888.6	7991.3	7937.3	7852.6	7952.8	8009.2	7847.5	7685.7	7613.8
52.5°	8594.7	8574.2	8771.9	8951.7	8918.3	8807.9	8890.0	8900.3	8658.9	8430.4	8358.5
55°	9650.1	9629.6	9827.3	10025.0	10107.2	10079.0	10040.4	9978.8	9621.9	9377.9	9311.2
57.5°	10880.1	10815.9	11093.3	11360.3	11540.1	11591.4	11427.1	11283.3	11000.8	10700.4	10623.4
60°	12022.9	12020.3	12459.4	12921.6	13414.6	13620.1	13204.1	12813.8	12179.5	11632.5	11522.1
62.5°	12343.8	12397.8	13116.8	14262.1	15479.2	16205.9	15109.5	13817.8	12592.9	11768.6	11622.3
65°	11552.9	11686.5	12708.5	14516.3	16919.8	18696.8	16221.4	13840.9	12133.3	11106.1	10952.0
67.5°	8515.1	8782.2	10135.5	13098.8	16796.6	19336.2	16023.6	12559.5	10538.6	9316.3	9103.2
70°	4201.1	4455.3	5528.7	8617.8	13820.4	17284.5	13864.0	9465.2	7118.2	5942.1	5746.9
72.5°	1545.9	1648.6	2069.7	3687.5	7626.6	12767.5	9480.6	5287.3	3448.7	2745.1	2614.1
75°	757.5	775.5	839.7	1237.7	2814.4	6008.9	4455.3	2028.6	1268.5	1104.2	1068.2
77.5°	482.8	490.5	521.3	590.6	903.9	1892.5	1350.7	801.2	621.4	595.8	595.8
80°	269.6	277.3	318.4	367.2	423.7	649.7	485.3	480.2	408.3	356.9	349.2
82.5°	128.4	141.2	202.9	200.3	223.4	326.1	285.0	259.4	261.9	197.7	187.5
85°	59.1	59.1	79.6	95.0	100.1	110.4	131.0	148.9	146.4	100.1	107.9
87.5°	28.2	28.2	28.2	25.7	23.1	20.5	28.2	46.2	66.8	46.2	43.7
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)