

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: P642800

Luminaire Tested: GWS-SA6D-760-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642800
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-760-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37426.7 lumens
Efficiency: N/A
Efficacy: 152.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

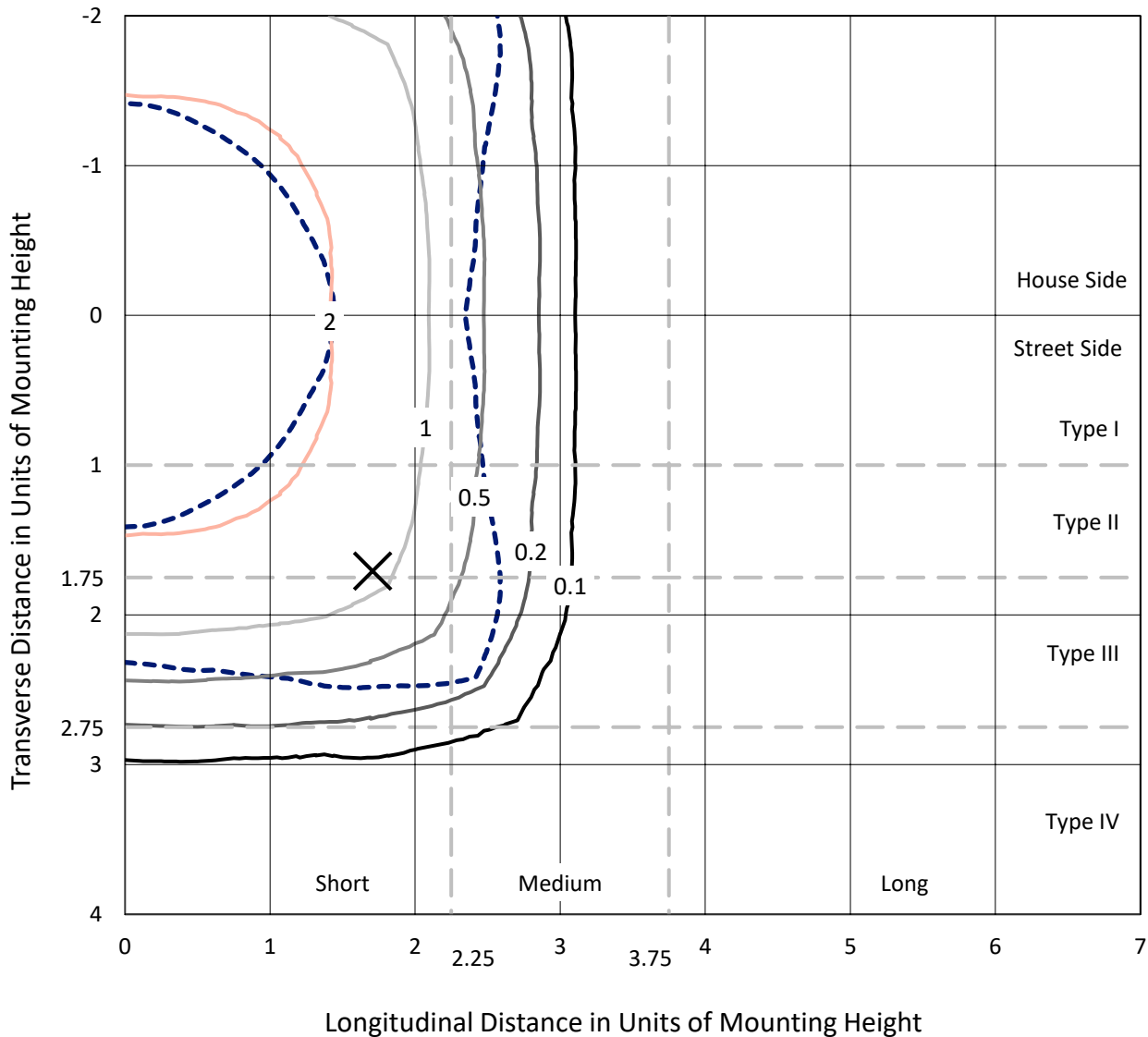
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

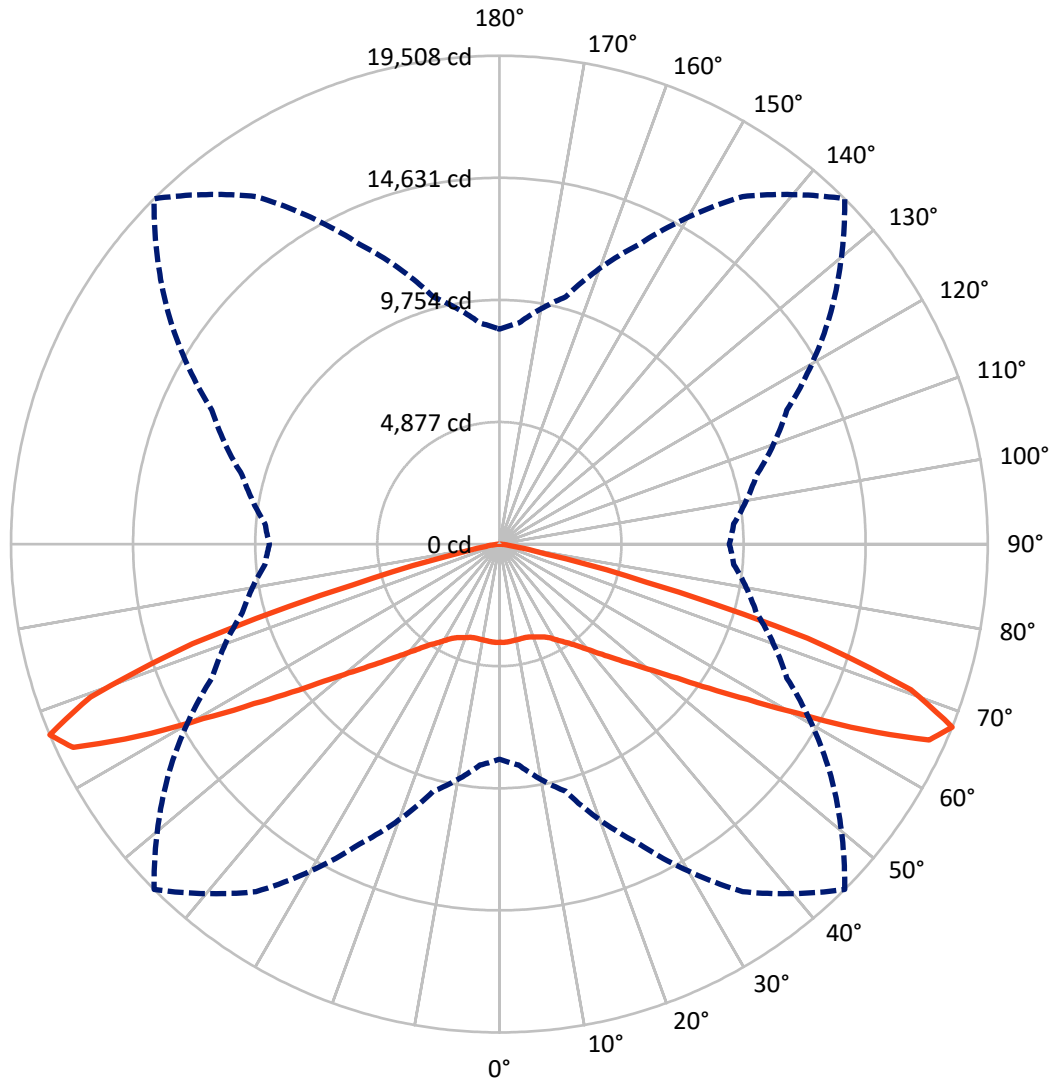
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.4 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	18713.4	0.0	18713.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18713.4	0.0	18713.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	37426.7	0.0	37426.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.0	1.0
10°-20°	1089.7	2.9
20°-30°	1879.3	5.0
30°-40°	3055.9	8.2
40°-50°	5145.4	13.7
50°-60°	9116.8	24.4
60°-70°	13031.8	34.8
70°-80°	3576.7	9.6
80°-90°	160.2	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°	37426.7	100.0
0°-180°	37426.7	100.0

Coefficient of Utilization



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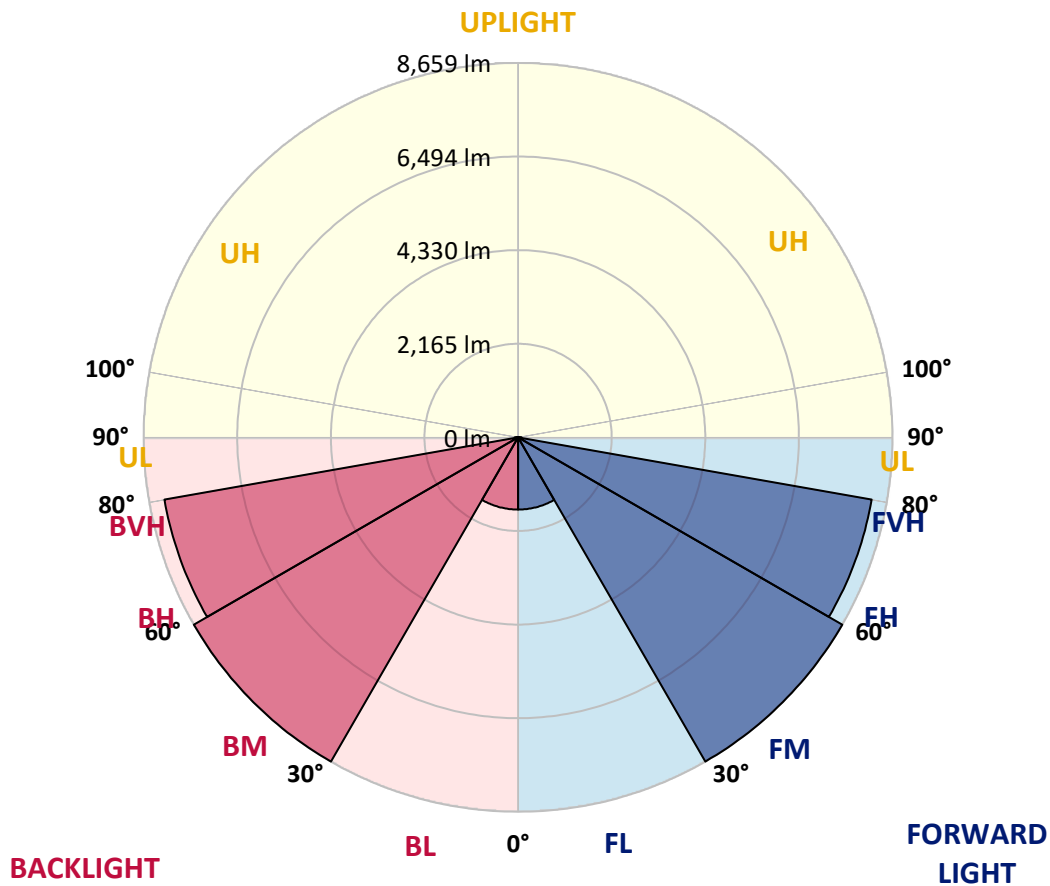
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1670.0	4.5			
FM (30°-60°)	8659.0	23.1			
FH (60°-80°)	8304.2	22.2			G4/12000
FVH (80°-90°)	80.1	0.2			G1/100
BL (0°-30°)	1670.0	4.5	B3/2500		
BM (30°-60°)	8659.0	23.1	B5		
BH (60°-80°)	8304.2	22.2	B5		G4/12000
BVH (80°-90°)	80.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 <td></td> <td>U0/0</td> <td></td>		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°	3919.8	3919.8	3919.8	3919.8	3919.8	3919.8	3919.8	3919.8	3919.8	3919.8	3919.8
2.5°	3893.9	3891.3	3904.2	3912.0	3909.4	3927.6	3925.0	3919.8	3919.8	3912.0	3932.7
5°	3893.9	3891.3	3901.7	3904.2	3899.1	3914.6	3909.4	3904.2	3904.2	3893.9	3912.0
7.5°	3873.2	3875.7	3883.5	3888.7	3883.5	3896.5	3888.7	3878.3	3875.7	3865.4	3883.5
10°	3834.3	3836.9	3844.7	3857.6	3860.2	3883.5	3870.6	3852.4	3844.7	3834.3	3852.4
12.5°	3811.0	3813.6	3821.3	3836.9	3842.1	3873.2	3860.2	3831.7	3818.7	3808.4	3826.5
15°	3805.8	3808.4	3818.7	3834.3	3842.1	3873.2	3860.2	3826.5	3808.4	3795.4	3811.0
17.5°	3805.8	3811.0	3826.5	3849.8	3865.4	3896.5	3880.9	3842.1	3816.2	3792.8	3808.4
20°	3808.4	3816.2	3839.5	3873.2	3912.0	3956.1	3935.3	3883.5	3847.2	3818.7	3829.1
22.5°	3831.7	3844.7	3873.2	3917.2	3974.2	4026.0	4007.9	3937.9	3886.1	3847.2	3857.6
25°	3912.0	3917.2	3953.5	4010.5	4064.9	4108.9	4090.8	4026.0	3961.2	3914.6	3927.6
27.5°	4054.5	4067.5	4098.5	4158.1	4204.8	4228.1	4225.5	4181.5	4116.7	4075.2	4085.6
30°	4225.5	4238.4	4279.9	4347.3	4393.9	4419.8	4412.0	4378.3	4318.8	4261.8	4272.1
32.5°	4425.0	4430.2	4479.4	4554.5	4603.7	4642.6	4616.7	4580.4	4505.3	4437.9	4443.1
35°	4678.9	4686.6	4738.5	4808.4	4847.3	4878.4	4873.2	4836.9	4756.6	4684.1	4702.2
37.5°	4997.5	5002.7	5049.3	5137.4	5168.5	5191.8	5197.0	5178.9	5096.0	5002.7	5020.9
40°	5393.9	5396.5	5448.3	5526.0	5559.7	5575.3	5577.9	5580.5	5495.0	5425.0	5419.8
42.5°	5855.1	5868.0	5940.6	6015.7	6031.2	6023.5	6049.4	6075.3	5992.4	5896.5	5904.3
45°	6406.9	6414.7	6513.1	6596.0	6567.5	6541.6	6590.8	6642.7	6567.5	6443.2	6406.9
47.5°	7059.8	7075.3	7181.5	7264.4	7217.8	7171.2	7251.5	7305.9	7184.1	7052.0	7018.3
50°	7798.1	7808.5	7958.7	8062.4	8008.0	7922.5	8023.5	8080.5	7917.3	7754.1	7681.5
52.5°	8671.2	8650.5	8850.0	9031.3	8997.6	8886.2	8969.1	8979.5	8736.0	8505.4	8432.9
55°	9736.0	9715.3	9914.8	10114.2	10197.1	10168.6	10129.8	10067.6	9707.5	9461.4	9394.0
57.5°	10977.0	10912.2	11192.0	11461.4	11642.8	11694.6	11528.8	11383.7	11098.7	10795.6	10717.9
60°	12129.8	12127.2	12570.3	13036.6	13534.0	13741.3	13321.6	12927.8	12287.9	11736.0	11624.6
62.5°	12453.7	12508.1	13233.5	14389.0	15617.0	16350.2	15243.9	13940.8	12705.0	11873.4	11725.7
65°	11655.7	11790.5	12821.6	14645.4	17070.4	18863.2	16365.7	13964.1	12241.2	11204.9	11049.5
67.5°	8590.9	8860.3	10225.6	13215.4	16946.0	19508.3	16166.2	12671.3	10632.4	9399.2	9184.2
70°	4238.4	4494.9	5577.9	8694.5	13943.4	17438.3	13987.4	9549.5	7181.5	5995.0	5798.1
72.5°	1559.6	1663.3	2088.1	3720.3	7694.5	12881.2	9565.0	5334.3	3479.4	2769.5	2637.4
75°	764.3	782.4	847.2	1248.7	2839.4	6062.3	4494.9	2046.7	1279.8	1114.0	1077.7
77.5°	487.1	494.8	525.9	595.9	911.9	1909.4	1362.7	808.3	627.0	601.1	601.1
80°	272.0	279.8	321.3	370.5	427.5	655.5	489.6	484.5	411.9	360.1	352.3
82.5°	129.5	142.5	204.7	202.1	225.4	329.0	287.6	261.7	264.3	199.5	189.1
85°	59.6	59.6	80.3	95.9	101.0	111.4	132.1	150.3	147.7	101.0	108.8
87.5°	28.5	28.5	28.5	25.9	23.3	20.7	28.5	46.6	67.4	46.6	44.0
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)