

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: P643461

Luminaire Tested: GWS-SA6F-722-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643461
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6F-722-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25797.2 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

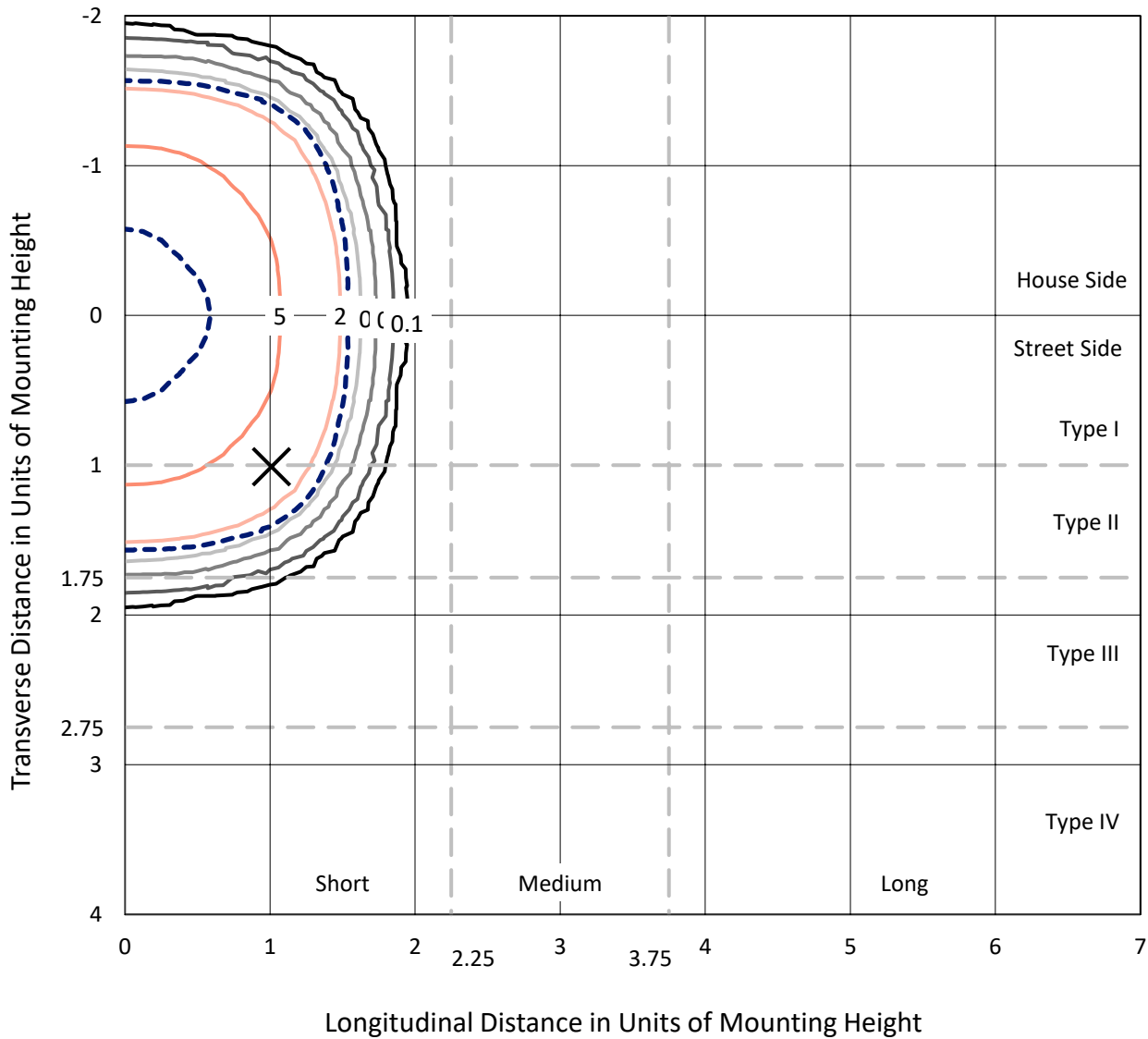
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

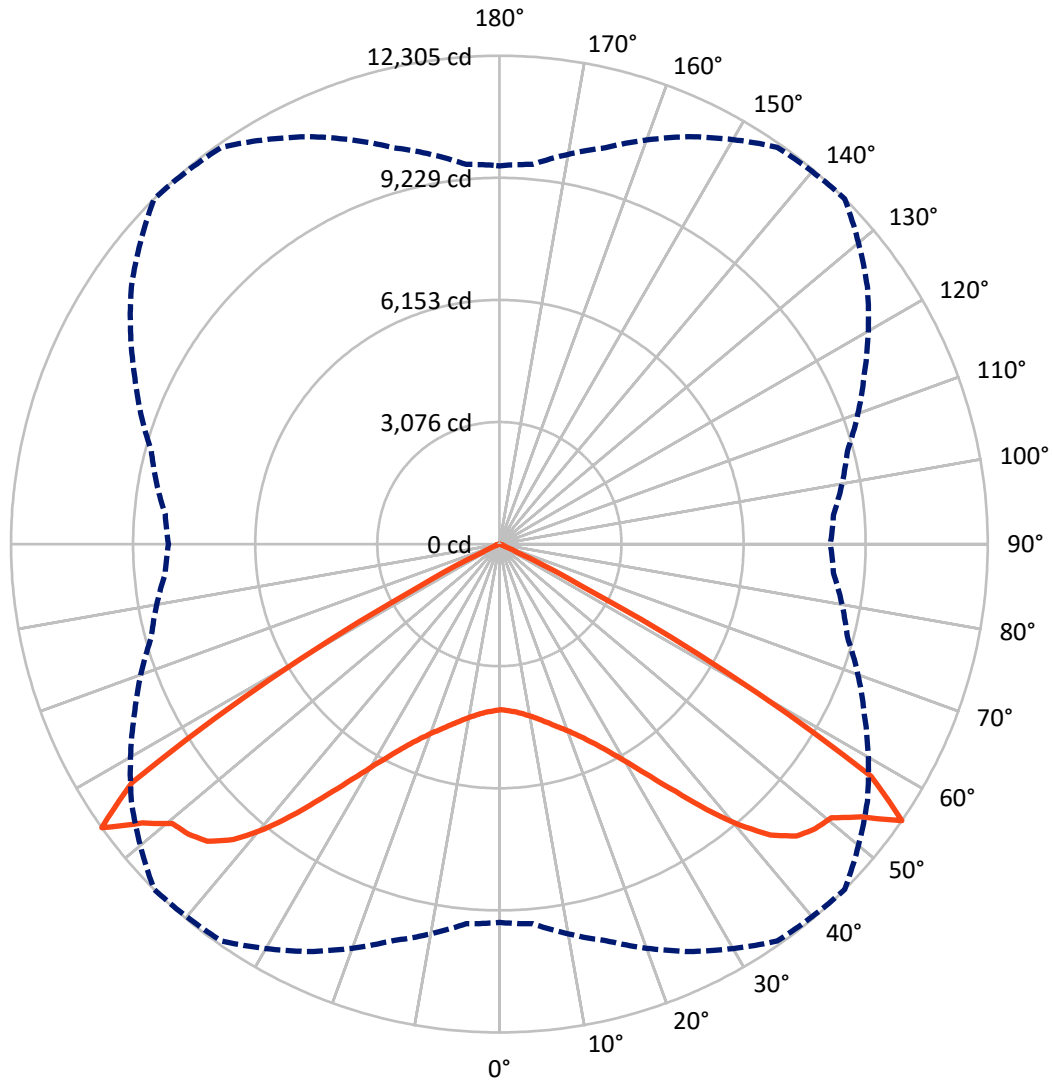
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12898.6	0.0	12898.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12898.6	0.0	12898.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	25797.2	0.0	25797.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	408.7	1.6
10°-20°	1324.7	5.1
20°-30°	2565.4	9.9
30°-40°	4596.1	17.8
40°-50°	7705.7	29.9
50°-60°	8248.5	32.0
60°-70°	906.4	3.5
70°-80°	39.9	0.2
80°-90°	1.8	0.0
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°	25797.2	100.0
0°-180°	25797.2	100.0

Coefficient of Utilization



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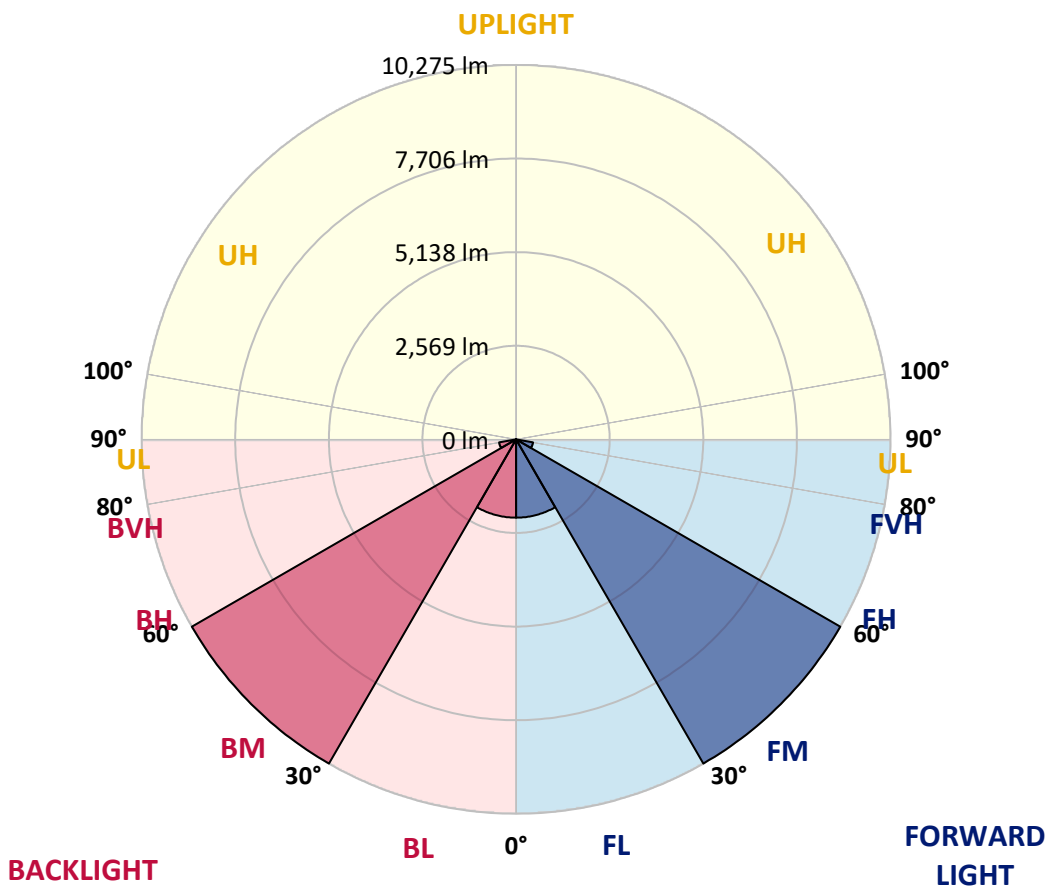
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2149.4	8.3			
FM (30°-60°)	10275.1	39.8			
FH (60°-80°)	473.2	1.8			G0/660
FVH (80°-90°)	0.9	0.0			G0/10
BL (0°-30°)	2149.4	8.3	B3/2500		
BM (30°-60°)	10275.1	39.8	B5		
BH (60°-80°)	473.2	1.8	B1/500		G0/660
BVH (80°-90°)	0.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4170.9	4170.9	4170.9	4170.9	4170.9	4170.9	4170.9	4170.9	4170.9	4170.9	4170.9
2.5°	4163.0	4163.0	4173.5	4181.4	4181.4	4202.4	4194.6	4186.7	4186.7	4176.2	4197.2
5°	4223.5	4220.8	4231.4	4236.6	4226.1	4247.1	4234.0	4226.1	4220.8	4210.3	4231.4
7.5°	4289.2	4291.8	4294.4	4304.9	4299.7	4320.7	4310.2	4294.4	4289.2	4273.4	4294.4
10°	4368.0	4368.0	4373.3	4386.4	4389.0	4415.3	4404.8	4386.4	4370.7	4354.9	4375.9
12.5°	4467.9	4470.5	4478.4	4496.8	4507.3	4536.2	4520.5	4483.7	4460.0	4441.6	4465.3
15°	4612.4	4609.8	4620.3	4646.6	4659.8	4680.8	4657.1	4607.2	4578.3	4557.3	4573.0
17.5°	4770.1	4770.1	4775.4	4801.7	4820.1	4851.6	4822.7	4762.2	4736.0	4707.1	4722.8
20°	4943.6	4951.5	4956.7	4975.1	5006.7	5038.2	5014.6	4954.1	4925.2	4888.4	4906.8
22.5°	5172.2	5164.4	5167.0	5198.5	5243.2	5274.7	5256.3	5185.4	5135.4	5106.5	5117.1
25°	5427.2	5424.5	5432.4	5479.7	5529.7	5563.8	5537.6	5445.6	5395.6	5345.7	5366.7
27.5°	5739.9	5742.6	5747.8	5805.6	5884.5	5934.4	5868.7	5776.7	5708.4	5642.7	5658.5
30°	6110.5	6105.2	6121.0	6199.9	6315.5	6394.3	6318.1	6189.3	6092.1	6029.0	6036.9
32.5°	6504.7	6510.0	6552.0	6678.2	6830.6	6969.9	6814.9	6644.0	6517.9	6399.6	6415.4
35°	6930.5	6943.6	7038.2	7224.8	7474.5	7661.1	7445.6	7164.4	6985.7	6833.2	6838.5
37.5°	7432.5	7464.0	7595.4	7874.0	8231.4	8481.1	8165.7	7792.5	7561.3	7372.0	7358.9
40°	8092.1	8128.9	8307.7	8638.8	9072.5	9301.1	8935.8	8552.1	8265.6	8060.6	8029.1
42.5°	8849.1	8896.4	9090.8	9429.9	9863.5	10018.6	9661.2	9337.9	9080.3	8838.5	8828.0
45°	9703.2	9729.5	9887.2	10147.4	10460.1	10496.9	10228.8	10050.1	9789.9	9563.9	9545.5
47.5°	10504.8	10531.1	10638.8	10772.9	10846.5	10715.1	10667.8	10588.9	10252.5	9973.9	9916.1
50°	11114.5	11135.6	11269.6	11322.2	11117.2	10838.6	10930.6	10762.4	10397.1	10084.3	9994.9
52.5°	11072.5	11125.1	11469.3	11769.0	11640.2	11414.2	11167.1	10804.4	10236.7	9808.3	9698.0
55°	9532.4	9603.3	10341.9	11327.4	12207.9	12305.1	11316.9	10147.4	9080.3	8452.2	8339.2
57.5°	6126.3	6144.7	7046.1	8428.5	10412.8	11038.3	9385.2	7650.6	6323.4	5632.2	5584.9
60°	2252.3	2215.5	2896.2	4042.1	5997.5	6659.8	5524.4	3868.7	2759.6	2270.7	2231.3
62.5°	541.4	546.7	678.1	1017.1	1881.8	2328.6	1839.7	1027.6	654.4	549.3	544.0
65°	273.3	268.1	270.7	291.7	402.1	481.0	394.2	278.6	268.1	270.7	268.1
67.5°	176.1	173.5	178.7	181.3	178.7	168.2	165.6	170.8	170.8	173.5	168.2
70°	107.8	105.1	110.4	118.3	113.0	99.9	105.1	110.4	105.1	102.5	102.5
72.5°	57.8	57.8	63.1	68.3	63.1	57.8	57.8	60.4	57.8	57.8	57.8
75°	26.3	26.3	28.9	31.5	26.3	26.3	26.3	26.3	26.3	26.3	26.3
77.5°	7.9	7.9	10.5	10.5	7.9	7.9	7.9	7.9	10.5	10.5	10.5
80°	2.6	5.3	5.3	2.6	2.6	2.6	2.6	2.6	5.3	5.3	5.3
82.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
85°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
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)