

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: P642305

Luminaire Tested: GWS-SA6C-760-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642305
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-SA6C-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: 29667 lumens
Efficiency: N/A
Efficacy: 156.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

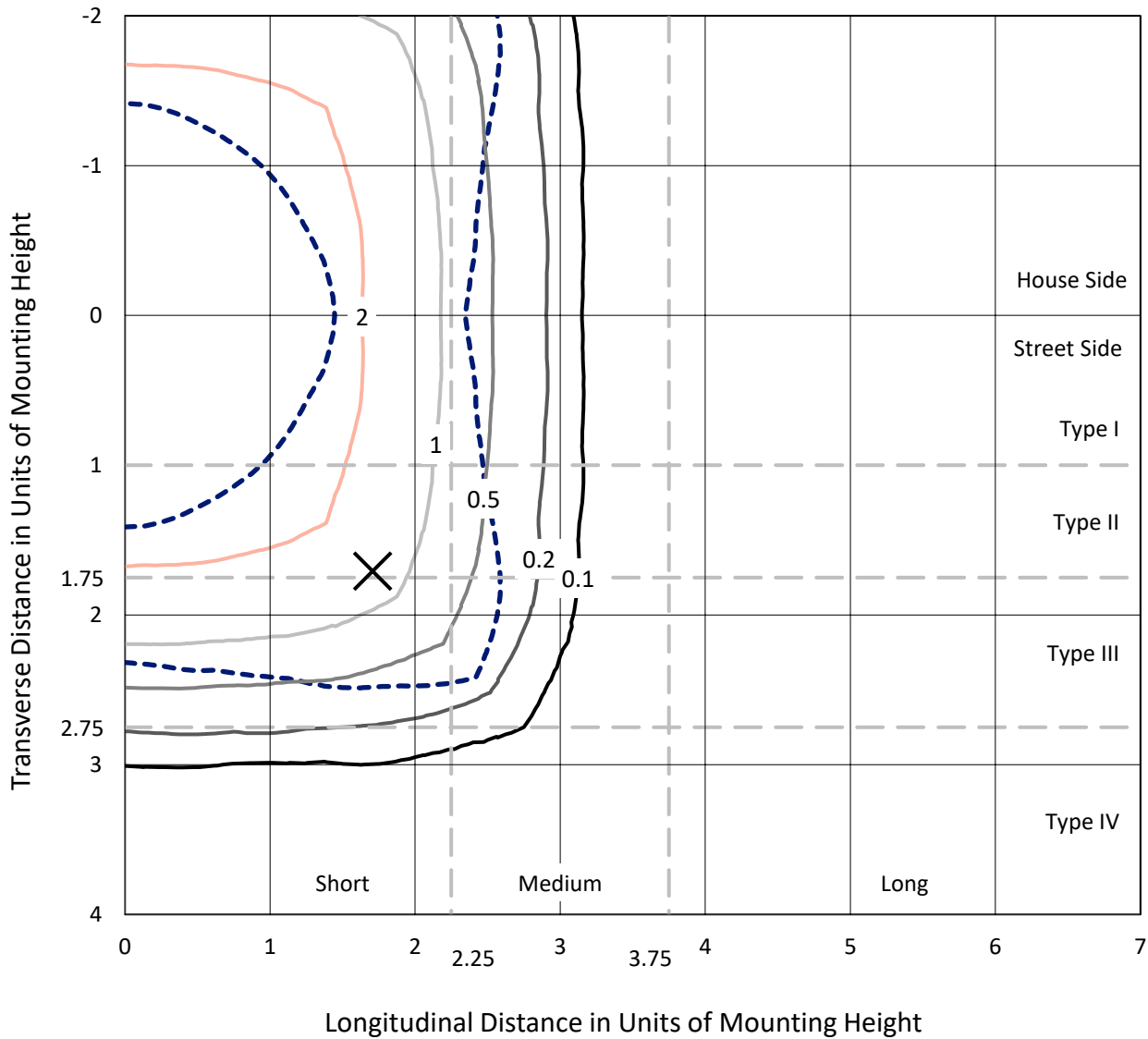
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642305
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Iso-Footcandle Lines of Horizontal Illumination

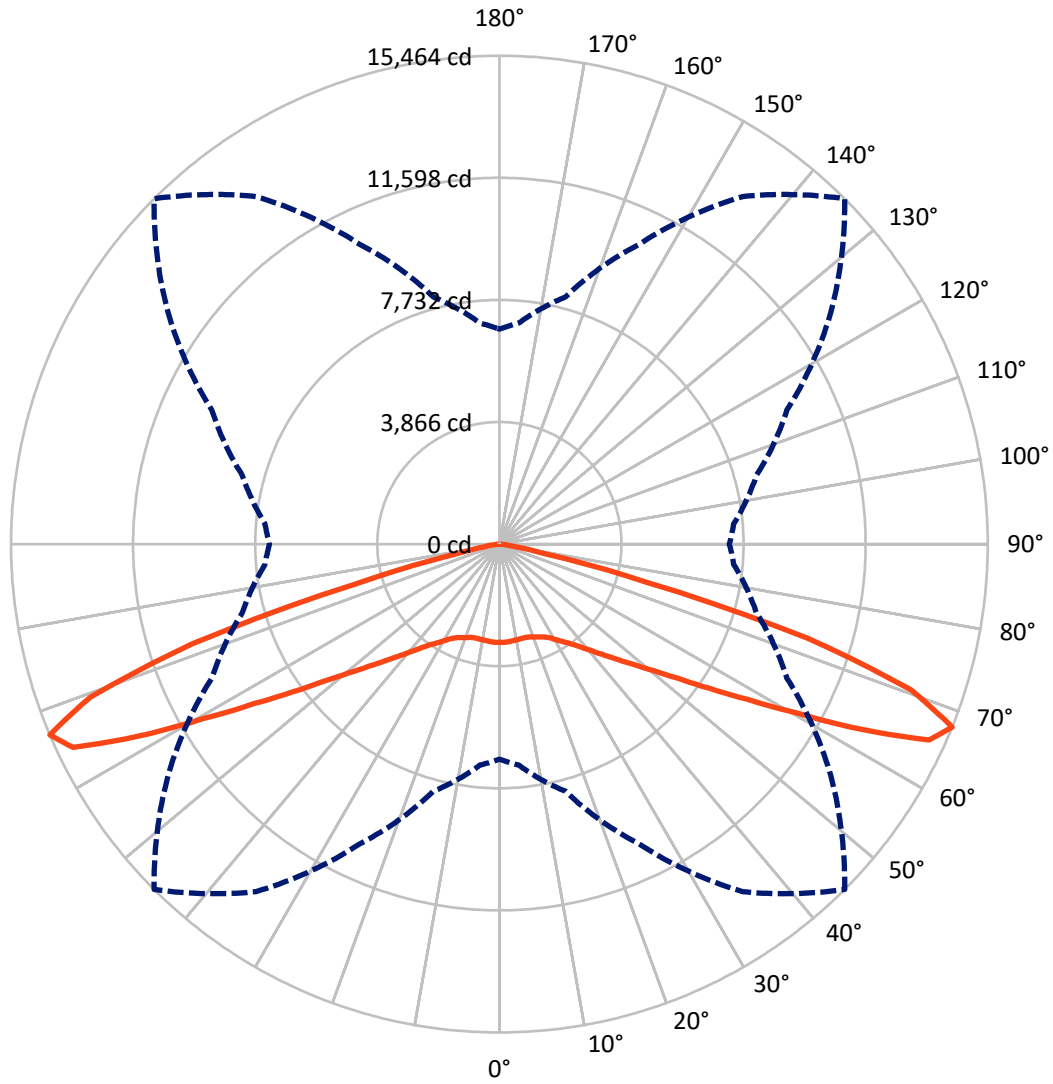
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

REPORT NUMBER: P642305
CATALOG NUMBER: GWS-SA6C-760-U-5MQ-W

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	14833.5	0.0	14833.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14833.5	0.0	14833.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29667.0	0.0	29667.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.1	1.0
10°-20°	863.7	2.9
20°-30°	1489.7	5.0
30°-40°	2422.3	8.2
40°-50°	4078.6	13.7
50°-60°	7226.6	24.4
60°-70°	10329.9	34.8
70°-80°	2835.1	9.6
80°-90°	127.0	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°	29667.0	100.0
0°-180°	29667.0	100.0

Coefficient of Utilization



REPORT NUMBER: P642305

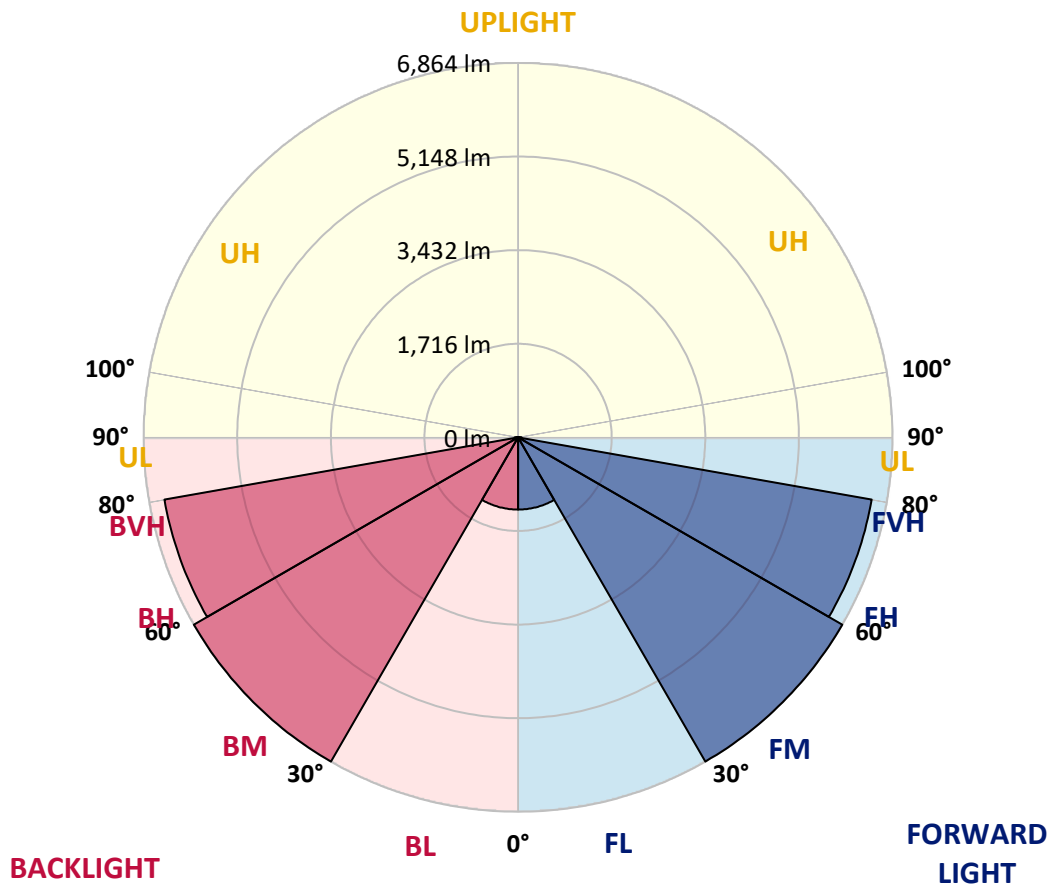
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1323.7	4.5			
FM (30°-60°)	6863.7	23.1			
FH (60°-80°)	6582.5	22.2			G3/7500
FVH (80°-90°)	63.5	0.2			G1/100
BL (0°-30°)	1323.7	4.5	B3/2500		
BM (30°-60°)	6863.7	23.1	B4/8500		
BH (60°-80°)	6582.5	22.2	B5		G3/7500
BVH (80°-90°)	63.5	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-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3107.1	3107.1	3107.1	3107.1	3107.1	3107.1	3107.1	3107.1	3107.1	3107.1	3107.1
2.5°	3086.6	3084.5	3094.8	3100.9	3098.9	3113.3	3111.2	3107.1	3107.1	3100.9	3117.4
5°	3086.6	3084.5	3092.7	3094.8	3090.7	3103.0	3098.9	3094.8	3094.8	3086.6	3100.9
7.5°	3070.1	3072.2	3078.3	3082.5	3078.3	3088.6	3082.5	3074.2	3072.2	3064.0	3078.3
10°	3039.3	3041.4	3047.5	3057.8	3059.9	3078.3	3068.1	3053.7	3047.5	3039.3	3053.7
12.5°	3020.8	3022.9	3029.1	3041.4	3045.5	3070.1	3059.9	3037.3	3027.0	3018.8	3033.2
15°	3016.7	3018.8	3027.0	3039.3	3045.5	3070.1	3059.9	3033.2	3018.8	3008.5	3020.8
17.5°	3016.7	3020.8	3033.2	3051.6	3064.0	3088.6	3076.3	3045.5	3025.0	3006.5	3018.8
20°	3018.8	3025.0	3043.4	3070.1	3100.9	3135.8	3119.4	3078.3	3049.6	3027.0	3035.2
22.5°	3037.3	3047.5	3070.1	3105.0	3150.2	3191.3	3176.9	3121.5	3080.4	3049.6	3057.8
25°	3100.9	3105.0	3133.8	3179.0	3222.1	3257.0	3242.6	3191.3	3140.0	3103.0	3113.3
27.5°	3213.9	3224.2	3248.8	3296.0	3333.0	3351.5	3349.4	3314.5	3263.2	3230.3	3238.5
30°	3349.4	3359.7	3392.5	3445.9	3482.9	3503.4	3497.3	3470.6	3423.3	3378.2	3386.4
32.5°	3507.5	3511.7	3550.7	3610.2	3649.2	3680.0	3659.5	3630.8	3571.2	3517.8	3521.9
35°	3708.8	3715.0	3756.0	3811.5	3842.3	3866.9	3862.8	3834.1	3770.4	3712.9	3727.3
37.5°	3961.4	3965.5	4002.5	4072.3	4096.9	4115.4	4119.5	4105.1	4039.4	3965.5	3979.9
40°	4275.6	4277.6	4318.7	4380.3	4407.0	4419.3	4421.4	4423.5	4355.7	4300.2	4296.1
42.5°	4641.1	4651.4	4708.9	4768.5	4780.8	4774.6	4795.2	4815.7	4750.0	4674.0	4680.2
45°	5078.6	5084.7	5162.7	5228.5	5205.9	5185.3	5224.4	5265.4	5205.9	5107.3	5078.6
47.5°	5596.1	5608.4	5692.6	5758.3	5721.3	5684.4	5748.0	5791.1	5694.6	5589.9	5563.2
50°	6181.3	6189.5	6308.7	6390.8	6347.7	6279.9	6360.0	6405.2	6275.8	6146.4	6088.9
52.5°	6873.4	6857.0	7015.1	7158.8	7132.1	7043.8	7109.6	7117.8	6924.7	6742.0	6684.5
55°	7717.4	7701.0	7859.1	8017.3	8083.0	8060.4	8029.6	7980.3	7694.8	7499.7	7446.4
57.5°	8701.1	8649.8	8871.5	9085.1	9228.9	9269.9	9138.5	9023.5	8797.6	8557.3	8495.7
60°	9615.0	9612.9	9964.1	10333.7	10728.0	10892.3	10559.6	10247.5	9740.2	9302.8	9214.5
62.5°	9871.7	9914.8	10489.8	11405.7	12379.1	12960.3	12083.4	11050.4	10070.9	9411.6	9294.6
65°	9239.1	9345.9	10163.3	11609.0	13531.2	14952.3	12972.6	11068.9	9703.3	8881.8	8758.6
67.5°	6809.7	7023.3	8105.6	10475.4	13432.6	15463.6	12814.5	10044.2	8428.0	7450.5	7280.0
70°	3359.7	3563.0	4421.4	6891.9	11052.5	13822.8	11087.4	7569.6	5692.6	4752.0	4596.0
72.5°	1236.3	1318.4	1655.2	2949.0	6099.2	10210.5	7581.9	4228.4	2758.0	2195.3	2090.6
75°	605.8	620.2	671.5	989.8	2250.7	4805.4	3563.0	1622.3	1014.5	883.0	854.3
77.5°	386.1	392.2	416.9	472.3	722.9	1513.5	1080.2	640.7	497.0	476.4	476.4
80°	215.6	221.8	254.6	293.7	338.8	519.6	388.1	384.0	326.5	285.5	279.3
82.5°	102.7	112.9	162.2	160.2	178.7	260.8	227.9	207.4	209.5	158.1	149.9
85°	47.2	47.2	63.7	76.0	80.1	88.3	104.7	119.1	117.1	80.1	86.3
87.5°	22.6	22.6	22.6	20.5	18.5	16.4	22.6	37.0	53.4	37.0	34.9
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)