

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: P642198

Luminaire Tested: GWS-SA6C-740-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642198
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-740-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29678.1 lumens
Efficiency: N/A
Efficacy: 156.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

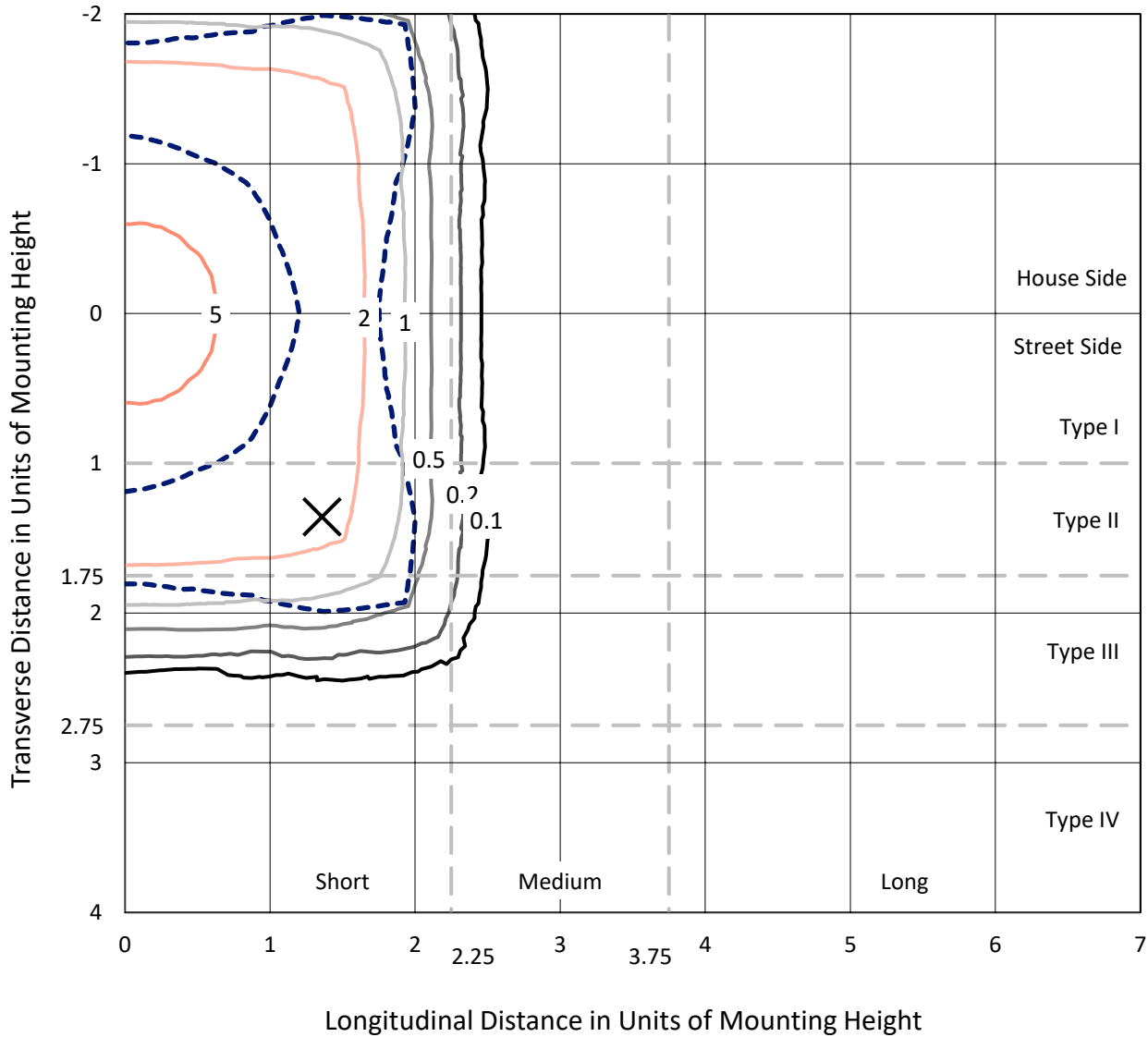
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

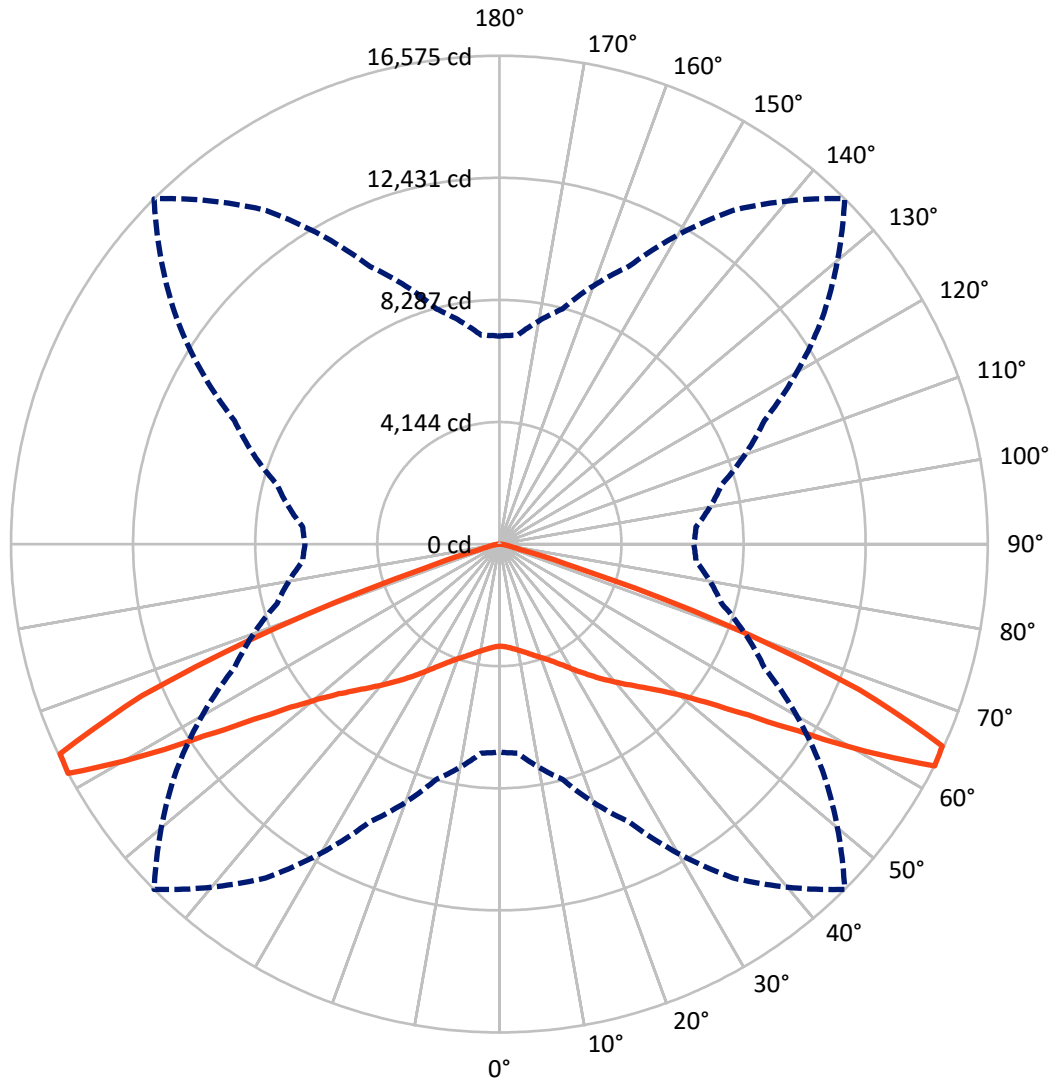
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14839.1	0.0	14839.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14839.1	0.0	14839.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	29678.1	0.0	29678.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.7	1.1
10°-20°	1095.5	3.7
20°-30°	2072.5	7.0
30°-40°	3488.4	11.8
40°-50°	5573.4	18.8
50°-60°	8984.0	30.3
60°-70°	7330.0	24.7
70°-80°	711.8	2.4
80°-90°	82.8	0.3
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°	29678.1	100.0
0°-180°	29678.1	100.0

Coefficient of Utilization



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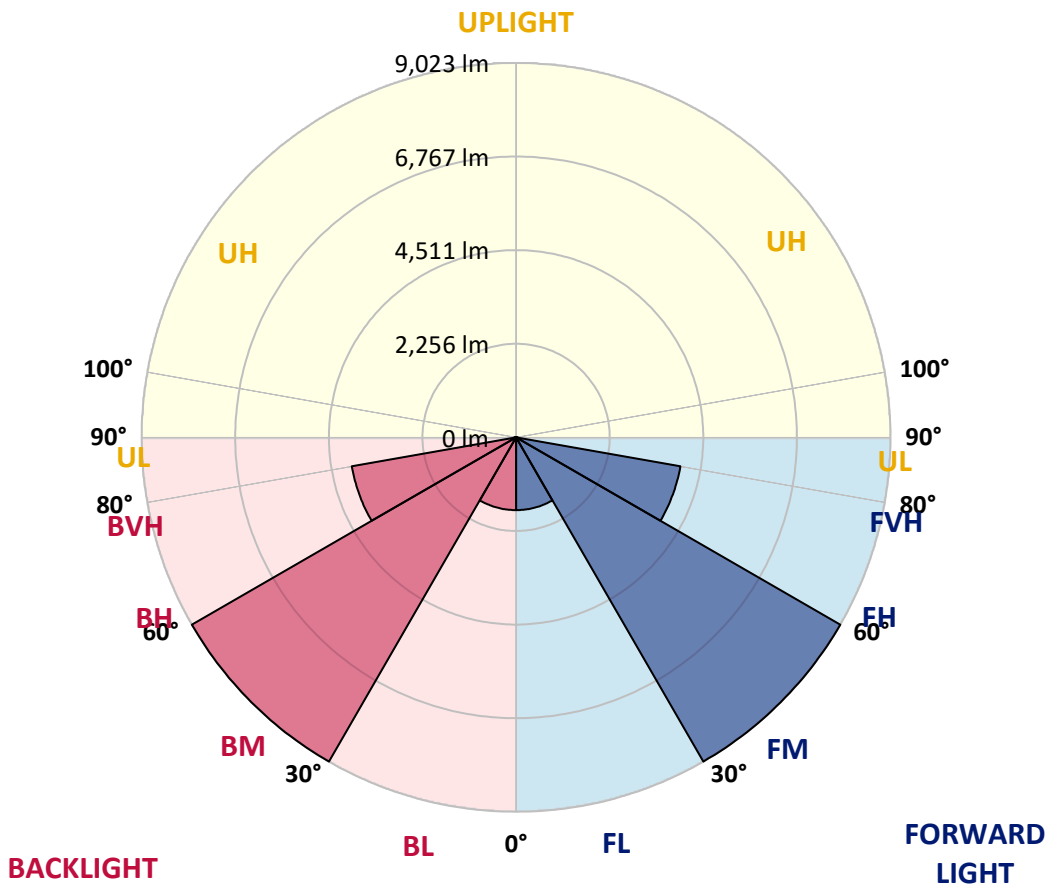
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1753.9	5.9			
FM (30°-60°)	9022.9	30.4			
FH (60°-80°)	4020.9	13.5			G2/5000
FVH (80°-90°)	41.4	0.1			G1/100
BL (0°-30°)	1753.9	5.9	B3/2500		
BM (30°-60°)	9022.9	30.4	B5		
BH (60°-80°)	4020.9	13.5	B4/5000		G2/5000
BVH (80°-90°)	41.4	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3462.4	3462.4	3462.4	3462.4	3462.4	3462.4	3462.4	3462.4	3462.4	3462.4	3462.4
2.5°	3458.3	3458.3	3466.4	3472.5	3468.5	3484.7	3482.7	3478.6	3476.6	3470.5	3488.8
5°	3505.1	3505.1	3511.2	3517.3	3507.1	3527.5	3519.3	3515.3	3513.2	3505.1	3521.4
7.5°	3558.0	3564.1	3566.2	3576.3	3570.2	3592.6	3586.5	3578.4	3574.3	3564.1	3578.4
10°	3617.0	3621.1	3623.2	3641.5	3643.5	3670.0	3663.9	3653.7	3645.5	3635.4	3655.7
12.5°	3696.4	3698.5	3704.6	3727.0	3733.1	3753.4	3751.4	3737.1	3727.0	3712.7	3735.1
15°	3798.2	3800.2	3810.4	3832.8	3843.0	3867.4	3859.3	3836.9	3822.6	3806.3	3824.7
17.5°	3904.0	3912.2	3922.4	3944.8	3959.0	3987.5	3977.3	3952.9	3940.7	3924.4	3936.6
20°	4040.4	4042.5	4048.6	4073.0	4083.2	4115.7	4117.8	4093.3	4087.2	4071.0	4089.3
22.5°	4191.1	4193.1	4199.2	4225.7	4244.0	4264.3	4276.5	4262.3	4252.1	4231.8	4254.2
25°	4358.0	4378.3	4384.4	4417.0	4437.3	4449.6	4463.8	4457.7	4443.5	4419.0	4429.2
27.5°	4592.0	4596.1	4606.3	4642.9	4655.1	4667.4	4681.6	4683.6	4663.3	4634.8	4649.0
30°	4858.7	4856.7	4879.0	4907.5	4917.7	4927.9	4948.3	4960.5	4934.0	4903.5	4917.7
32.5°	5131.4	5155.9	5184.4	5210.8	5204.7	5208.8	5241.4	5263.7	5227.1	5172.2	5184.4
35°	5438.8	5455.1	5491.7	5530.4	5522.3	5516.1	5536.5	5558.9	5508.0	5436.8	5455.1
37.5°	5754.3	5778.7	5833.7	5880.5	5868.3	5839.8	5862.2	5886.6	5837.8	5756.3	5748.2
40°	6106.4	6145.1	6224.5	6263.2	6230.6	6175.6	6214.3	6273.3	6224.5	6130.9	6108.5
42.5°	6519.6	6566.5	6645.8	6704.9	6633.6	6544.1	6609.2	6694.7	6682.5	6558.3	6519.6
45°	7030.5	7061.1	7158.8	7187.3	7081.4	6957.3	7075.3	7205.6	7175.1	7040.7	6989.8
47.5°	7586.2	7633.0	7718.5	7771.5	7600.5	7445.8	7610.7	7785.7	7753.1	7626.9	7567.9
50°	8294.6	8355.6	8467.6	8512.4	8276.3	8099.2	8310.9	8532.7	8469.6	8300.7	8223.3
52.5°	9066.0	9114.9	9306.2	9395.8	9173.9	8982.6	9167.8	9385.6	9251.3	9027.4	8923.5
55°	9745.9	9794.7	10075.6	10372.8	10362.6	10230.3	10324.0	10328.0	9963.7	9593.2	9483.3
57.5°	9892.4	9941.3	10476.6	11254.2	11803.7	11956.4	11681.6	11103.5	10185.5	9536.2	9412.1
60°	9110.8	9165.8	10016.6	11437.4	13244.9	14264.6	12998.6	11087.3	9499.6	8620.3	8502.2
62.5°	7059.0	7118.1	8262.0	10395.2	13827.0	16574.9	13381.2	9920.9	7814.2	6700.8	6597.0
65°	3370.8	3370.8	4824.1	7456.0	12666.8	16520.0	12273.9	7339.9	4704.0	3613.0	3523.4
67.5°	834.5	838.6	1241.6	2902.6	8616.2	13183.8	8756.6	3523.4	1656.9	1172.4	1141.9
70°	521.1	519.0	576.0	785.7	3014.5	8001.5	3580.4	1062.5	673.7	594.4	590.3
72.5°	405.1	405.1	433.6	502.8	789.8	2725.5	1044.2	590.3	488.5	439.7	439.7
75°	319.6	319.6	339.9	376.6	466.1	702.2	555.7	437.6	378.6	346.0	342.0
77.5°	238.2	242.2	258.5	282.9	317.5	394.9	352.1	329.7	295.1	270.7	262.6
80°	154.7	160.8	181.2	195.4	207.6	260.5	230.0	240.2	223.9	195.4	191.3
82.5°	83.5	85.5	109.9	114.0	118.1	142.5	146.6	152.7	158.8	124.2	116.0
85°	30.5	30.5	36.6	42.7	46.8	50.9	69.2	85.5	89.6	71.2	69.2
87.5°	6.1	6.1	6.1	4.1	4.1	4.1	12.2	22.4	36.6	28.5	28.5
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)