

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: P642196

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642196
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-SA6C-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19980.8 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

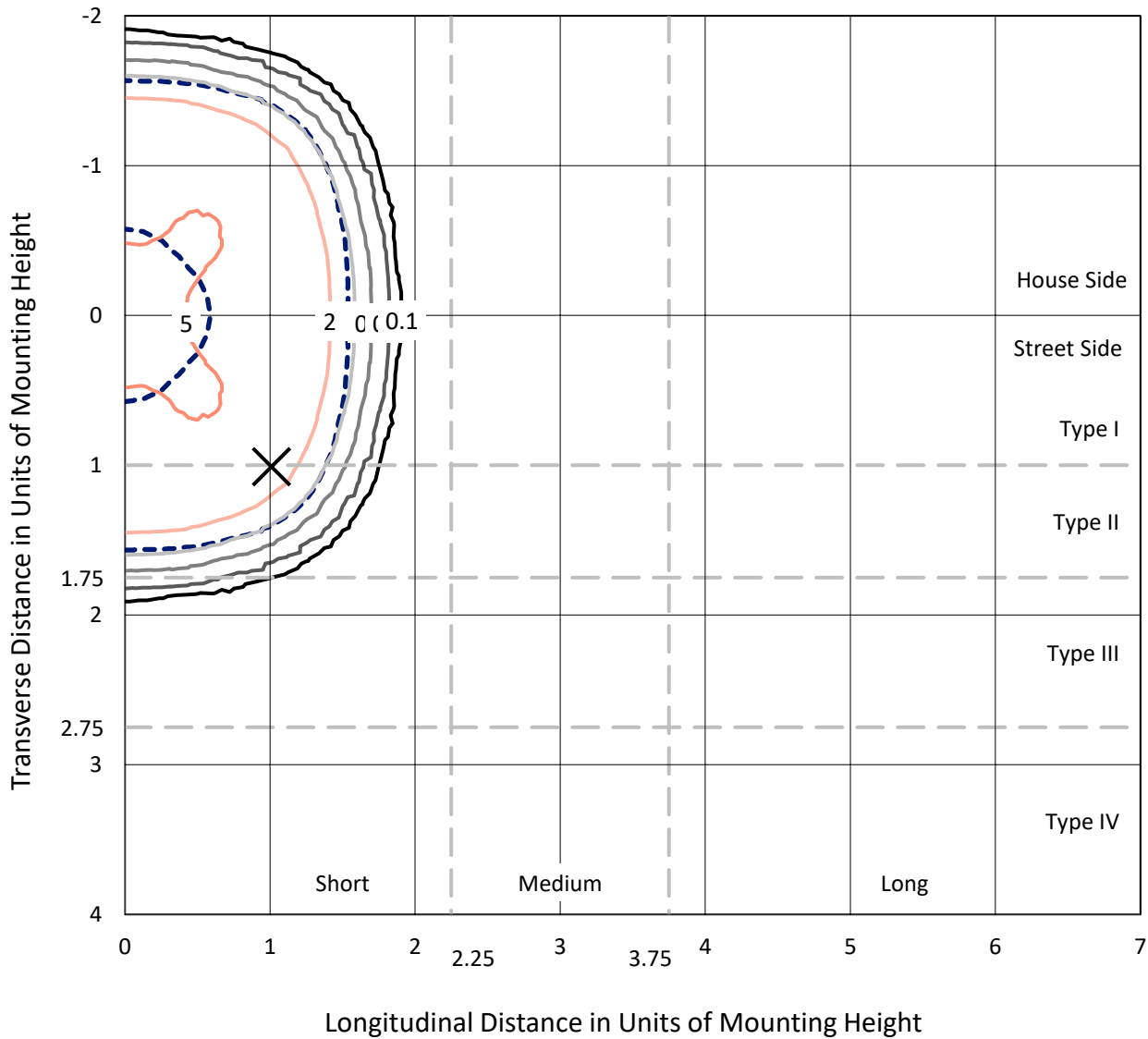
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

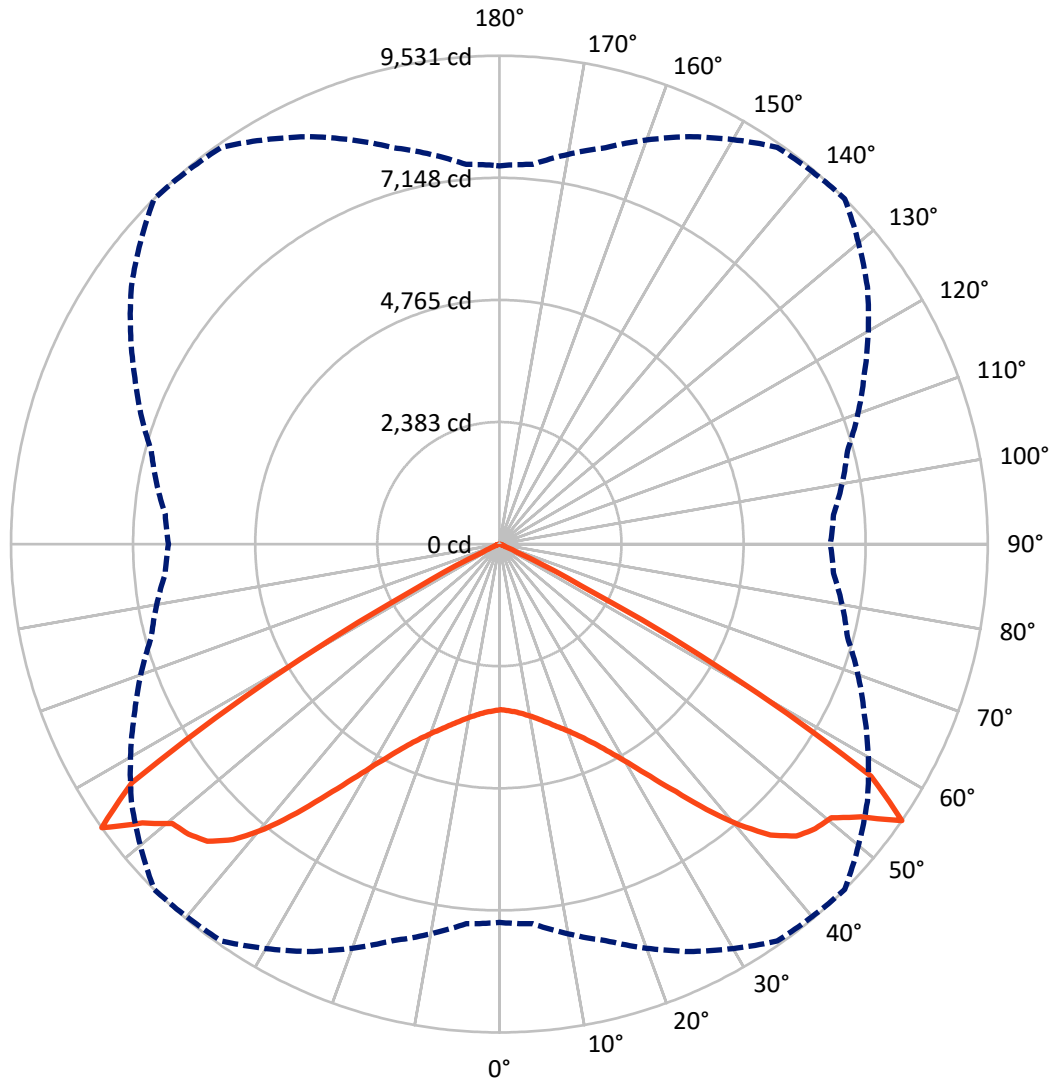
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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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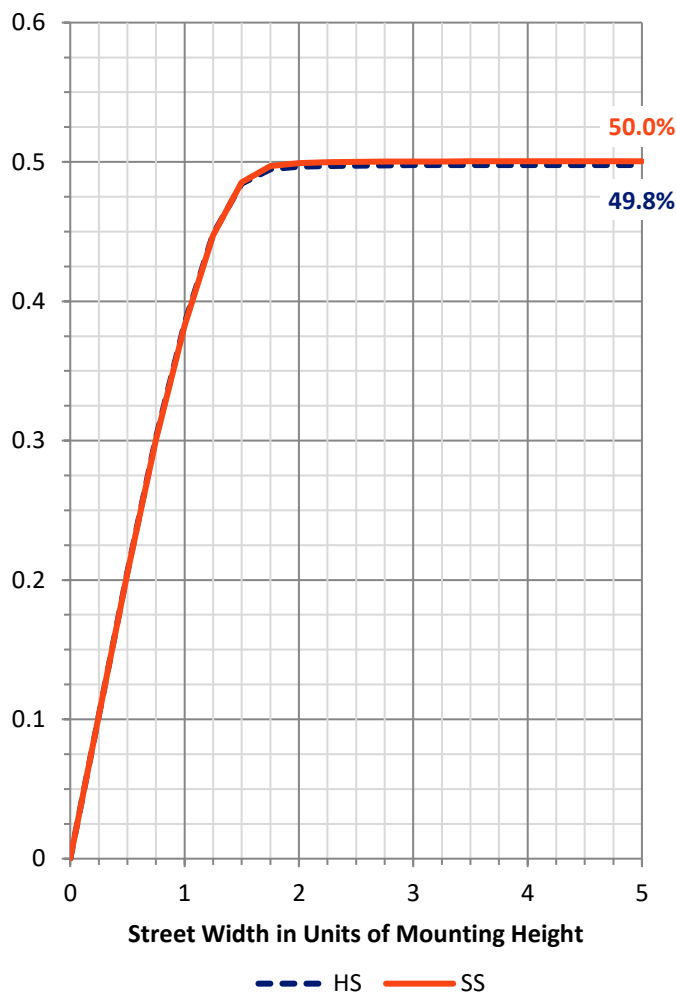
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9990.4	0.0	9990.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9990.4	0.0	9990.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	19980.8	0.0	19980.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.5	1.6
10°-20°	1026.0	5.1
20°-30°	1987.0	9.9
30°-40°	3559.8	17.8
40°-50°	5968.3	29.9
50°-60°	6388.8	32.0
60°-70°	702.0	3.5
70°-80°	30.9	0.2
80°-90°	1.4	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°	19980.8	100.0
0°-180°	19980.8	100.0

Coefficient of Utilization



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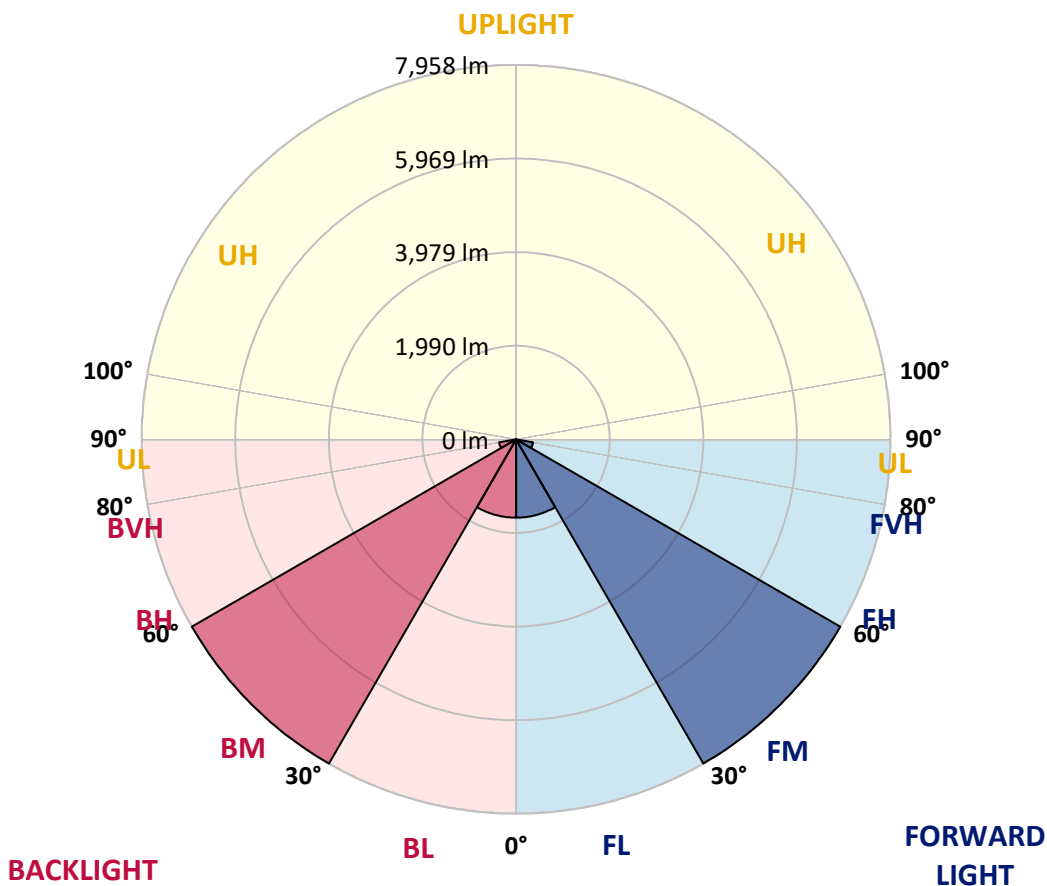
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1664.8	8.3			
FM (30°-60°)	7958.4	39.8			
FH (60°-80°)	366.5	1.8			G0/660
FVH (80°-90°)	0.7	0.0			G0/10
BL (0°-30°)	1664.8	8.3	B3/2500		
BM (30°-60°)	7958.4	39.8	B4/8500		
BH (60°-80°)	366.5	1.8	B1/500		G0/660
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3230.5	3230.5	3230.5	3230.5	3230.5	3230.5	3230.5	3230.5	3230.5	3230.5	3230.5
2.5°	3224.4	3224.4	3232.5	3238.7	3238.7	3254.9	3248.8	3242.7	3242.7	3234.6	3250.9
5°	3271.2	3269.2	3277.3	3281.4	3273.3	3289.5	3279.4	3273.3	3269.2	3261.0	3277.3
7.5°	3322.1	3324.1	3326.2	3334.3	3330.3	3346.5	3338.4	3326.2	3322.1	3309.9	3326.2
10°	3383.2	3383.2	3387.3	3397.4	3399.5	3419.8	3411.7	3397.4	3385.2	3373.0	3389.3
12.5°	3460.5	3462.6	3468.7	3482.9	3491.1	3513.5	3501.2	3472.7	3454.4	3440.2	3458.5
15°	3572.5	3570.5	3578.6	3599.0	3609.1	3625.4	3607.1	3568.4	3546.0	3529.7	3542.0
17.5°	3694.6	3694.6	3698.7	3719.1	3733.3	3757.7	3735.3	3688.5	3668.2	3645.8	3658.0
20°	3829.0	3835.1	3839.2	3853.4	3877.8	3902.3	3883.9	3837.1	3814.7	3786.2	3800.5
22.5°	4006.1	4000.0	4002.0	4026.4	4061.0	4085.5	4071.2	4016.3	3977.6	3955.2	3963.3
25°	4203.5	4201.5	4207.6	4244.2	4282.9	4309.4	4289.0	4217.8	4179.1	4140.4	4156.7
27.5°	4445.8	4447.8	4451.9	4496.7	4557.7	4596.4	4545.5	4474.3	4421.3	4370.5	4382.7
30°	4732.8	4728.7	4740.9	4802.0	4891.6	4952.6	4893.6	4793.9	4718.5	4669.7	4675.8
32.5°	5038.1	5042.2	5074.8	5172.5	5290.5	5398.4	5278.3	5146.0	5048.3	4956.7	4968.9
35°	5367.9	5378.1	5451.4	5595.9	5789.3	5933.8	5766.9	5549.1	5410.6	5292.6	5296.7
37.5°	5756.7	5781.1	5882.9	6098.7	6375.5	6568.9	6324.6	6035.6	5856.4	5709.9	5699.7
40°	6267.6	6296.1	6434.6	6691.0	7026.9	7204.0	6921.1	6623.9	6402.0	6243.2	6218.8
42.5°	6853.9	6890.5	7041.2	7303.8	7639.6	7759.7	7482.9	7232.5	7033.0	6845.8	6837.6
45°	7515.5	7535.8	7658.0	7859.5	8101.7	8130.2	7922.6	7784.2	7582.6	7407.6	7393.3
47.5°	8136.3	8156.7	8240.1	8344.0	8401.0	8299.2	8262.5	8201.5	7940.9	7725.1	7680.3
50°	8608.6	8624.9	8728.7	8769.4	8610.6	8394.8	8466.1	8335.8	8052.9	7810.6	7741.4
52.5°	8576.0	8616.7	8883.4	9115.5	9015.7	8840.6	8649.3	8368.4	7928.7	7596.9	7511.4
55°	7383.2	7438.1	8010.1	8773.5	9455.4	9530.7	8765.3	7859.5	7033.0	6546.5	6459.0
57.5°	4745.0	4759.3	5457.5	6528.2	8065.1	8549.6	7269.2	5925.7	4897.7	4362.3	4325.7
60°	1744.5	1716.0	2243.2	3130.8	4645.3	5158.2	4278.8	2996.4	2137.4	1758.8	1728.2
62.5°	419.3	423.4	525.2	787.8	1457.5	1803.5	1424.9	795.9	506.9	425.4	421.4
65°	211.7	207.6	209.7	226.0	311.4	372.5	305.3	215.8	207.6	209.7	207.6
67.5°	136.4	134.4	138.4	140.5	138.4	130.3	128.2	132.3	132.3	134.4	130.3
70°	83.5	81.4	85.5	91.6	87.5	77.4	81.4	85.5	81.4	79.4	79.4
72.5°	44.8	44.8	48.9	52.9	48.9	44.8	44.8	46.8	44.8	44.8	44.8
75°	20.4	20.4	22.4	24.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
77.5°	6.1	6.1	8.1	8.1	6.1	6.1	6.1	6.1	8.1	8.1	8.1
80°	2.0	4.1	4.1	2.0	2.0	2.0	2.0	2.0	4.1	4.1	4.1
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
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)