

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: P641702

Luminaire Tested: GWS-SA6B-740-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641702
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-740-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19194.1 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

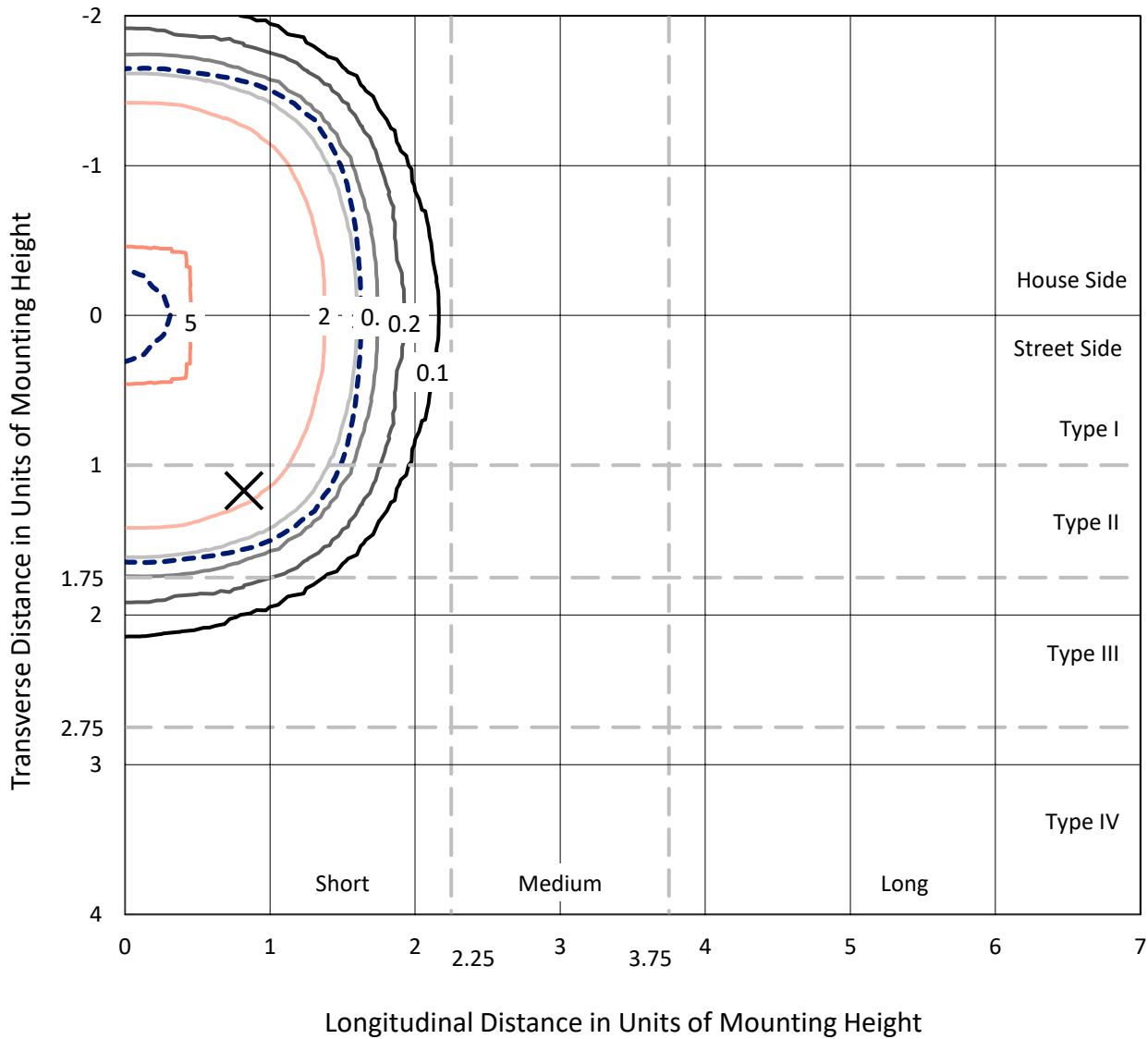
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

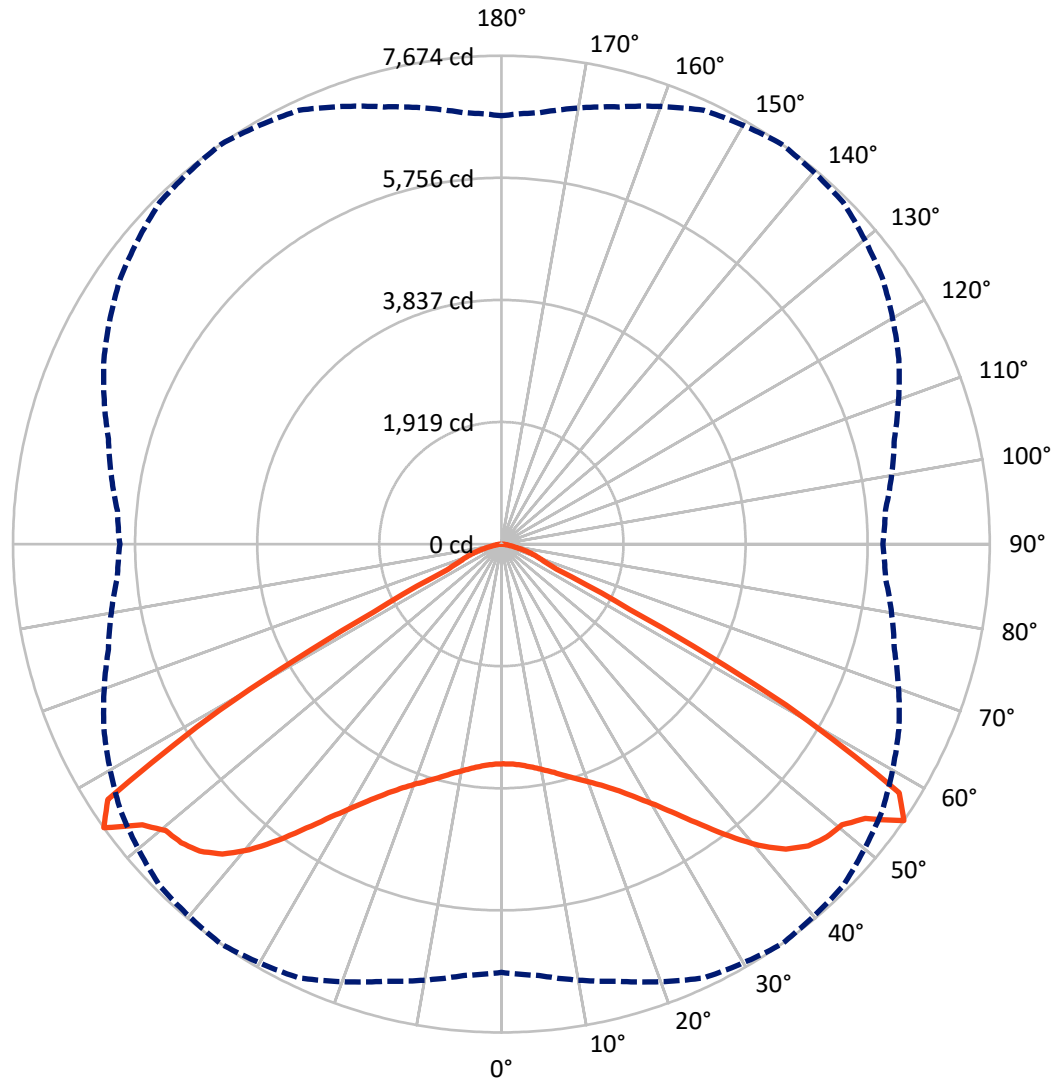
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9597.1	0.0	9597.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9597.1	0.0	9597.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	19194.1	0.0	19194.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.8	1.8
10°-20°	1072.3	5.6
20°-30°	1984.6	10.3
30°-40°	3319.9	17.3
40°-50°	5059.0	26.4
50°-60°	5667.1	29.5
60°-70°	1340.9	7.0
70°-80°	361.5	1.9
80°-90°	52.0	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°	19194.1	100.0
0°-180°	19194.1	100.0

Coefficient of Utilization



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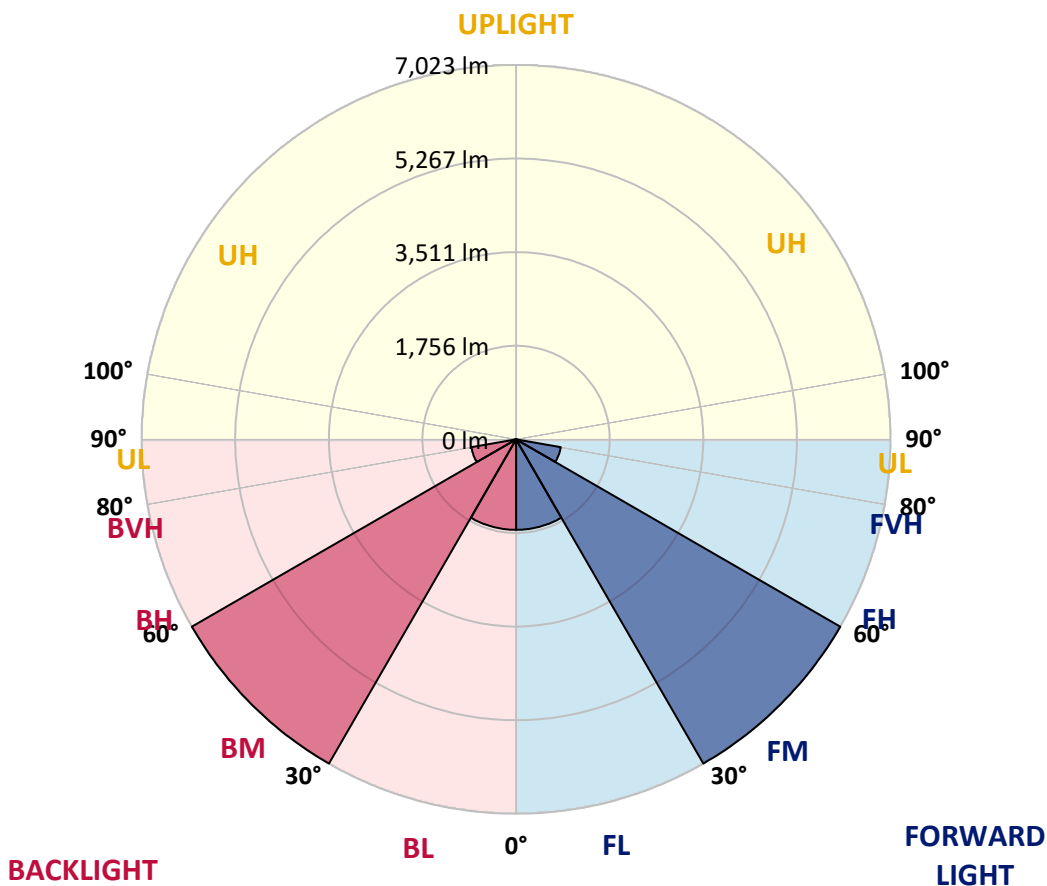
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1696.9	8.8			
FM (30°-60°)	7023.0	36.6			
FH (60°-80°)	851.2	4.4			G1/1800
FVH (80°-90°)	26.0	0.1			G1/100
BL (0°-30°)	1696.9	8.8	B3/2500		
BM (30°-60°)	7023.0	36.6	B4/8500		
BH (60°-80°)	851.2	4.4	B2/1000		G1/1800
BVH (80°-90°)	26.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3453.1	3453.1	3453.1	3453.1	3453.1	3453.1	3453.1	3453.1	3453.1	3453.1	3453.1
2.5°	3445.5	3445.5	3451.6	3459.1	3460.7	3475.8	3472.8	3466.7	3463.7	3457.6	3471.3
5°	3483.4	3484.9	3489.5	3494.1	3491.0	3503.2	3498.6	3491.0	3486.5	3478.9	3492.5
7.5°	3533.5	3533.5	3538.1	3544.1	3541.1	3559.3	3550.2	3539.6	3532.0	3522.9	3535.0
10°	3579.1	3582.1	3586.6	3598.8	3604.9	3624.6	3618.5	3603.3	3591.2	3580.6	3594.2
12.5°	3647.4	3650.4	3654.9	3671.6	3682.3	3702.0	3692.9	3671.6	3653.4	3638.2	3653.4
15°	3735.4	3732.4	3744.5	3765.7	3779.4	3797.6	3787.0	3750.6	3726.3	3706.5	3721.7
17.5°	3824.9	3823.4	3835.6	3862.9	3882.6	3906.9	3888.7	3846.2	3820.4	3796.1	3811.3
20°	3922.1	3926.6	3938.8	3964.6	3993.4	4025.3	4010.1	3964.6	3935.7	3908.4	3920.6
22.5°	4042.0	4043.5	4057.2	4090.6	4128.5	4158.9	4149.8	4093.6	4057.2	4028.3	4043.5
25°	4186.2	4184.7	4202.9	4242.3	4295.5	4325.8	4306.1	4243.9	4204.4	4171.0	4183.1
27.5°	4351.6	4350.1	4377.4	4429.0	4504.9	4547.4	4506.4	4429.0	4374.4	4327.3	4338.0
30°	4559.6	4555.0	4585.4	4655.2	4753.9	4825.2	4764.5	4656.7	4585.4	4535.3	4545.9
32.5°	4790.3	4796.4	4834.3	4928.4	5052.9	5145.5	5054.4	4934.5	4838.9	4766.0	4778.1
35°	5043.8	5043.8	5121.2	5238.0	5415.6	5538.6	5397.4	5224.4	5096.9	4996.7	4999.7
37.5°	5326.1	5329.1	5430.8	5591.7	5823.9	5968.1	5776.9	5562.9	5408.0	5300.3	5294.2
40°	5670.6	5679.7	5784.5	5963.6	6224.6	6356.7	6151.8	5942.3	5784.5	5657.0	5644.8
42.5°	6059.2	6062.2	6173.0	6333.9	6554.0	6632.9	6472.0	6300.5	6171.5	6056.2	6044.0
45°	6429.5	6422.0	6517.6	6637.5	6765.0	6772.6	6683.0	6613.2	6500.9	6402.2	6384.0
47.5°	6717.9	6711.9	6798.4	6863.6	6878.8	6804.4	6833.3	6843.9	6713.4	6579.8	6544.9
50°	6894.0	6906.1	6988.1	7024.5	6935.0	6813.6	6922.8	6895.5	6708.8	6534.3	6478.1
52.5°	7000.2	7018.5	7161.1	7253.7	7161.1	7045.8	7061.0	6900.1	6631.4	6400.7	6327.8
55°	6731.6	6804.4	7112.6	7522.4	7674.2	7593.7	7305.3	6891.0	6393.1	6057.7	5995.4
57.5°	4989.1	5104.5	5561.3	6449.3	7372.1	7665.1	6822.7	5776.9	5022.5	4591.4	4555.0
60°	2546.9	2675.9	3041.7	3954.0	5140.9	5553.8	4752.3	3699.0	2940.0	2590.9	2551.5
62.5°	1039.7	1061.0	1180.9	1533.0	2272.2	2621.3	2302.6	1616.5	1214.3	1118.6	1120.2
65°	818.1	822.7	816.6	837.8	951.7	1056.4	976.0	857.6	836.3	847.0	839.4
67.5°	713.4	714.9	710.3	710.3	714.9	710.3	719.5	724.0	727.0	739.2	731.6
70°	596.5	598.0	598.0	601.1	599.5	592.0	605.6	611.7	613.2	620.8	616.2
72.5°	461.4	466.0	469.0	470.5	469.0	464.5	472.0	482.7	481.2	488.7	481.2
75°	312.7	318.7	321.8	327.9	326.3	326.3	335.4	340.0	335.4	341.5	335.4
77.5°	177.6	182.1	191.2	197.3	203.4	207.9	214.0	217.1	215.5	218.6	215.5
80°	103.2	104.7	112.3	115.4	122.9	130.5	136.6	139.6	141.2	142.7	141.2
82.5°	59.2	60.7	63.7	66.8	72.9	78.9	85.0	89.6	89.6	91.1	89.6
85°	28.8	28.8	30.4	31.9	34.9	39.5	44.0	48.6	50.1	50.1	50.1
87.5°	4.6	4.6	6.1	6.1	7.6	9.1	12.1	15.2	16.7	16.7	16.7
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)