

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: P641699

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641699
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-740-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM 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: 18538.4 lumens
Efficiency: N/A
Efficacy: 133.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

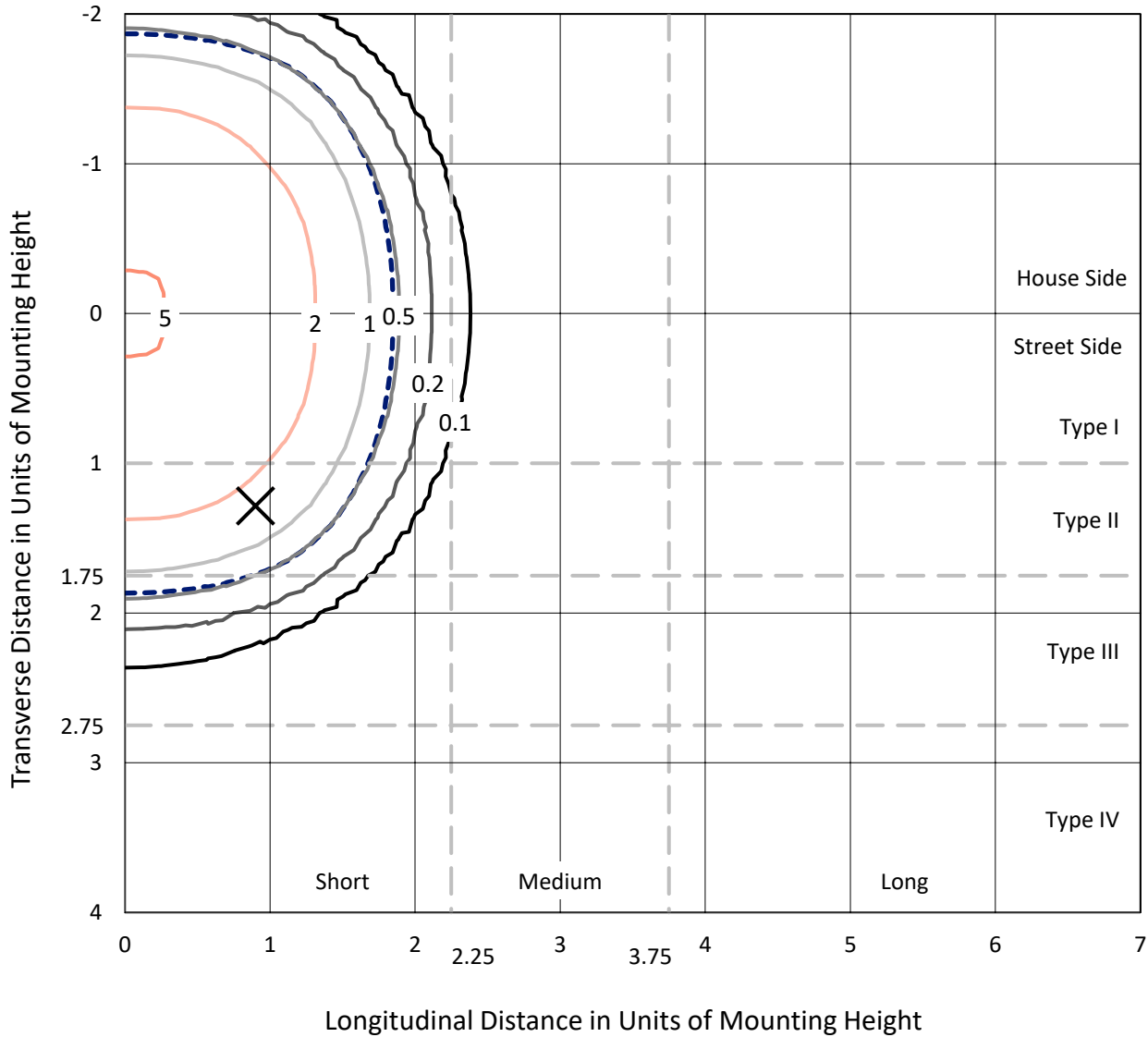
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

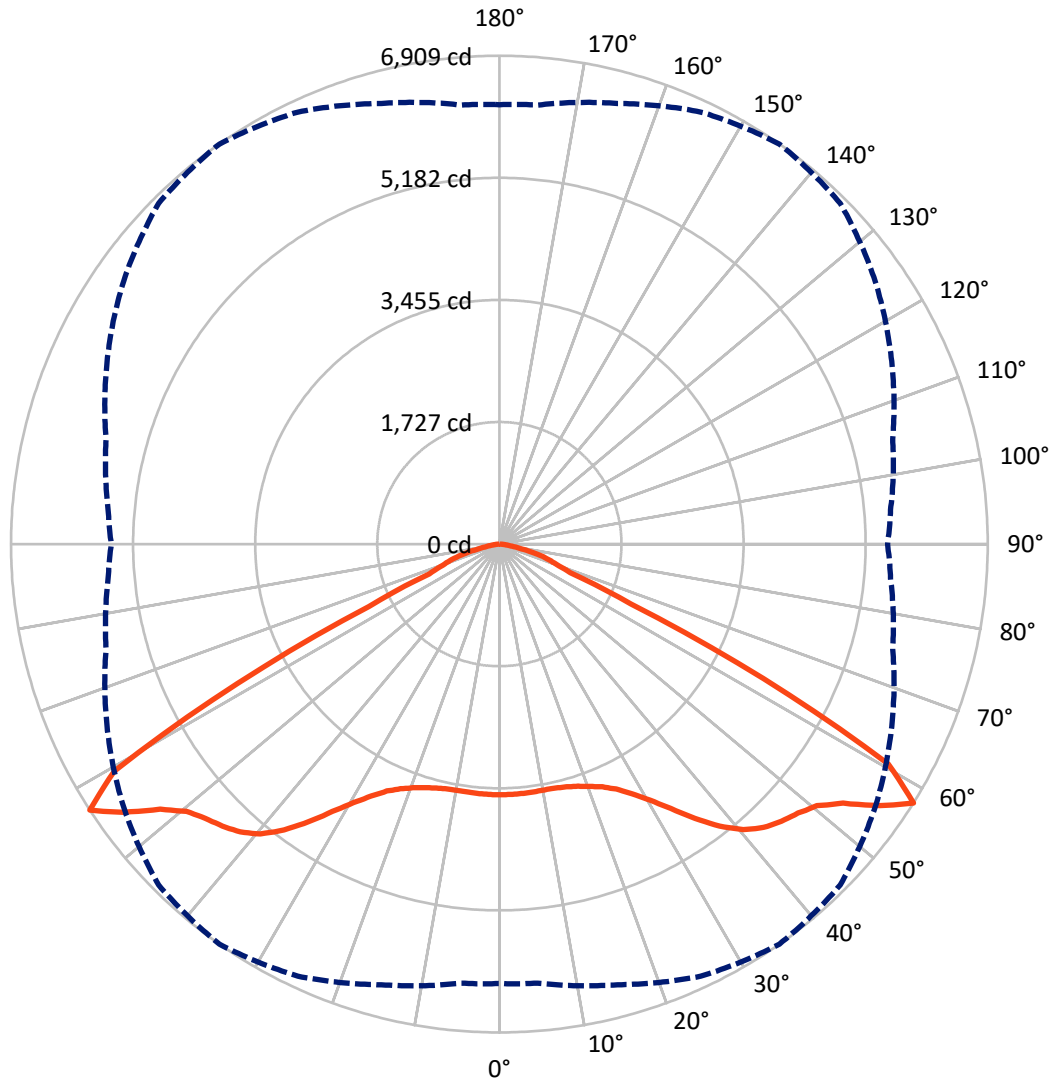
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9269.2	0.0	9269.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9269.2	0.0	9269.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	18538.4	0.0	18538.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.4	1.8
10°-20°	1006.8	5.4
20°-30°	1756.6	9.5
30°-40°	2880.5	15.5
40°-50°	4242.3	22.9
50°-60°	5413.9	29.2
60°-70°	2281.6	12.3
70°-80°	545.0	2.9
80°-90°	74.2	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°	18538.4	100.0
0°-180°	18538.4	100.0

Coefficient of Utilization



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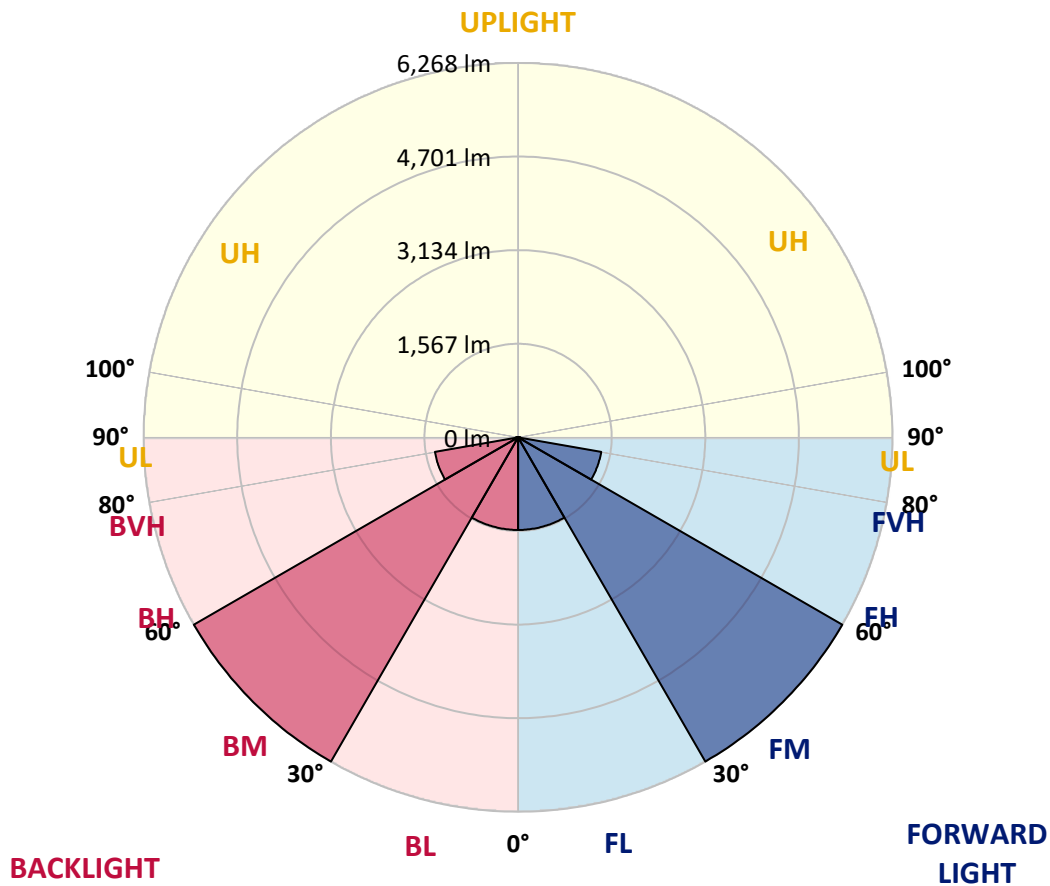
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1550.4	8.4			
FM (30°-60°)	6268.3	33.8			
FH (60°-80°)	1413.3	7.6			G1/1800
FVH (80°-90°)	37.1	0.2			G1/100
BL (0°-30°)	1550.4	8.4	B3/2500		
BM (30°-60°)	6268.3	33.8	B4/8500		
BH (60°-80°)	1413.3	7.6	B3/2500		G1/1800
BVH (80°-90°)	37.1	0.2			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°	3547.1	3547.1	3547.1	3547.1	3547.1	3547.1	3547.1	3547.1	3547.1	3547.1	3547.1
2.5°	3525.9	3525.9	3533.5	3541.0	3544.1	3557.7	3556.2	3551.7	3548.6	3539.5	3551.7
5°	3533.5	3533.5	3539.5	3544.1	3542.6	3553.2	3548.6	3541.0	3536.5	3527.4	3541.0
7.5°	3531.9	3531.9	3536.5	3541.0	3538.0	3547.1	3539.5	3528.9	3521.3	3512.2	3524.3
10°	3512.2	3515.2	3519.8	3530.4	3535.0	3548.6	3538.0	3521.3	3509.2	3498.5	3510.7
12.5°	3509.2	3512.2	3518.3	3531.9	3539.5	3559.3	3545.6	3518.3	3500.1	3486.4	3498.5
15°	3522.8	3525.9	3535.0	3551.7	3563.8	3585.1	3565.3	3527.4	3501.6	3483.4	3494.0
17.5°	3539.5	3544.1	3557.7	3582.0	3601.8	3624.5	3600.2	3554.7	3518.3	3494.0	3503.1
20°	3557.7	3563.8	3585.1	3621.5	3657.9	3686.7	3656.4	3595.7	3551.7	3519.8	3528.9
22.5°	3589.6	3597.2	3624.5	3676.1	3730.8	3773.3	3735.3	3653.4	3595.7	3554.7	3562.3
25°	3654.9	3664.0	3698.9	3761.1	3838.5	3890.1	3837.0	3744.4	3664.0	3613.9	3621.5
27.5°	3770.2	3774.8	3820.3	3902.3	3997.9	4057.1	3993.3	3884.1	3794.5	3736.8	3742.9
30°	3922.0	3935.7	3981.2	4089.0	4202.8	4281.7	4198.2	4069.2	3966.0	3896.2	3902.3
32.5°	4107.2	4116.3	4184.6	4296.9	4460.8	4551.9	4438.1	4284.8	4160.3	4075.3	4081.4
35°	4350.0	4357.6	4422.9	4565.6	4764.4	4849.4	4718.9	4542.8	4398.6	4318.2	4340.9
37.5°	4639.9	4653.6	4700.6	4841.8	5063.4	5146.9	4996.6	4832.7	4682.4	4608.1	4624.8
40°	4951.1	4949.6	4987.5	5112.0	5313.8	5365.4	5230.4	5099.8	4970.8	4922.2	4949.6
42.5°	5218.2	5210.6	5237.9	5341.2	5480.8	5485.3	5395.8	5322.9	5231.9	5198.5	5224.3
45°	5404.9	5407.9	5448.9	5520.3	5591.6	5553.6	5526.3	5514.2	5442.8	5397.3	5401.9
47.5°	5552.1	5564.3	5629.5	5678.1	5687.2	5623.5	5661.4	5679.6	5620.4	5550.6	5530.9
50°	5682.7	5702.4	5787.4	5839.0	5819.3	5738.8	5813.2	5840.5	5710.0	5576.4	5537.0
52.5°	5919.4	5942.2	6045.4	6112.2	6089.4	6009.0	6078.8	5981.7	5761.6	5597.7	5547.6
55°	6297.4	6308.0	6434.0	6543.3	6532.6	6434.0	6377.8	6162.3	5895.2	5725.2	5678.1
57.5°	6216.9	6235.1	6453.7	6745.1	6909.0	6819.5	6490.1	6122.8	5760.1	5555.2	5491.4
60°	4891.9	4935.9	5207.6	5720.6	6321.7	6320.1	5708.5	5137.8	4700.6	4429.0	4401.6
62.5°	2856.5	2886.9	3134.3	3653.4	4192.2	4225.6	3796.0	3404.4	3022.0	2838.3	2750.3
65°	1352.4	1350.8	1449.5	1683.2	2047.5	2076.4	1947.3	1733.3	1507.2	1445.0	1428.3
67.5°	998.7	998.7	991.1	1007.8	1077.6	1092.8	1077.6	1042.7	1021.5	1035.1	1026.0
70°	866.7	868.2	859.1	854.5	854.5	850.0	856.0	869.7	878.8	897.0	887.9
72.5°	702.7	704.3	704.3	705.8	707.3	701.2	710.3	717.9	719.4	725.5	719.4
75°	499.4	502.4	511.5	519.1	525.2	525.2	528.2	529.7	523.6	531.2	519.1
77.5°	274.7	277.8	294.5	308.1	321.8	323.3	327.8	330.9	327.8	333.9	324.8
80°	151.8	154.8	162.4	168.5	179.1	188.2	194.3	197.3	197.3	201.9	197.3
82.5°	86.5	89.6	94.1	97.1	106.2	113.8	119.9	124.5	124.5	126.0	122.9
85°	41.0	41.0	44.0	47.1	51.6	54.6	62.2	66.8	66.8	69.8	66.8
87.5°	6.1	7.6	9.1	9.1	12.1	15.2	18.2	19.7	22.8	24.3	24.3
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)