

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: P642798

Luminaire Tested: GWS-SA6D-760-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642798
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-760-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22081.4 lumens
Efficiency: N/A
Efficacy: 89.9 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): 245.7
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

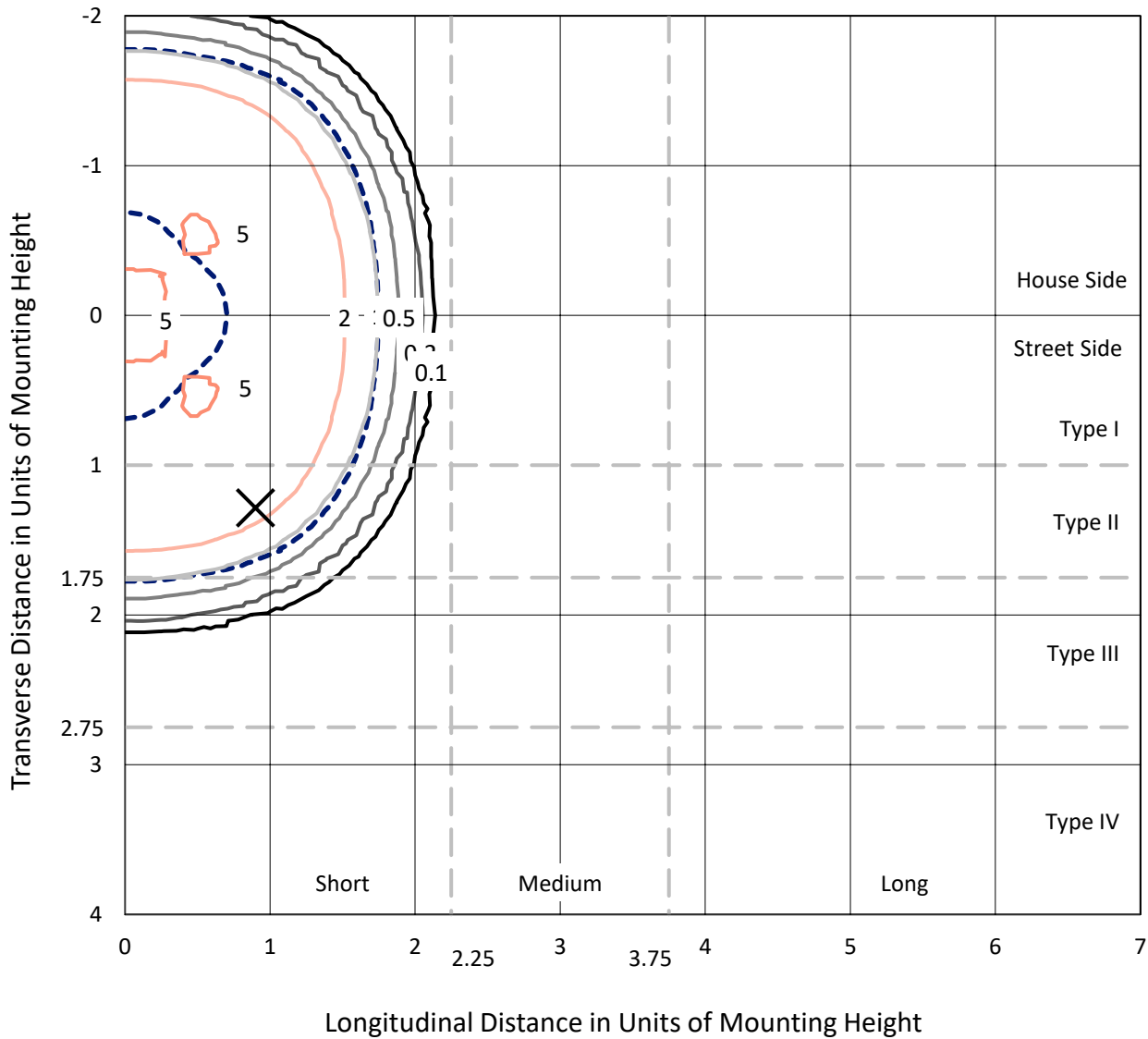


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Iso-Footcandle Lines of Horizontal Illumination

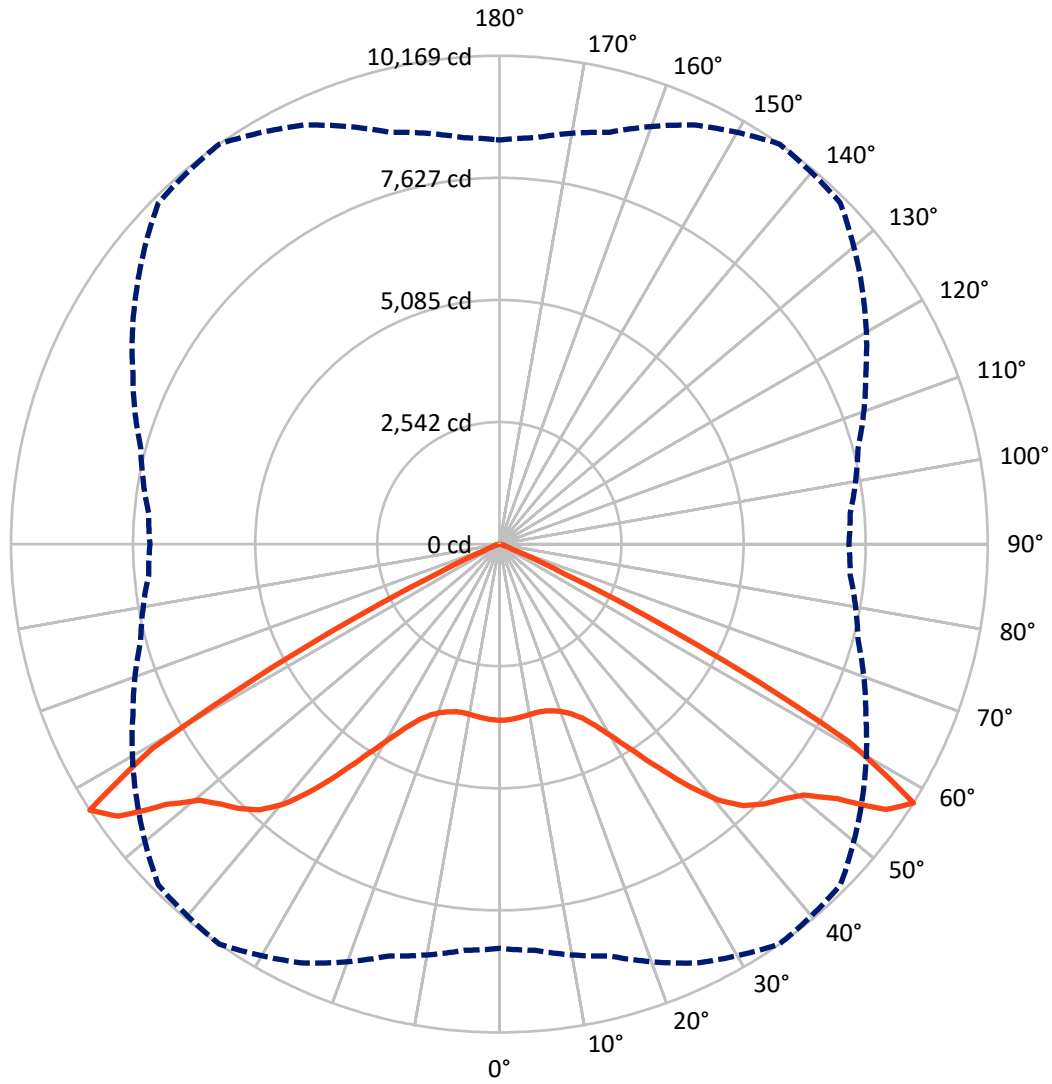
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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	11040.7	0.0	11040.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11040.7	0.0	11040.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	22081.4	0.0	22081.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.9	1.6
10°-20°	1017.5	4.6
20°-30°	1839.1	8.3
30°-40°	3431.0	15.5
40°-50°	5755.6	26.1
50°-60°	7600.8	34.4
60°-70°	2018.6	9.1
70°-80°	71.7	0.3
80°-90°	1.3	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°	22081.4	100.0
0°-180°	22081.4	100.0

Coefficient of Utilization



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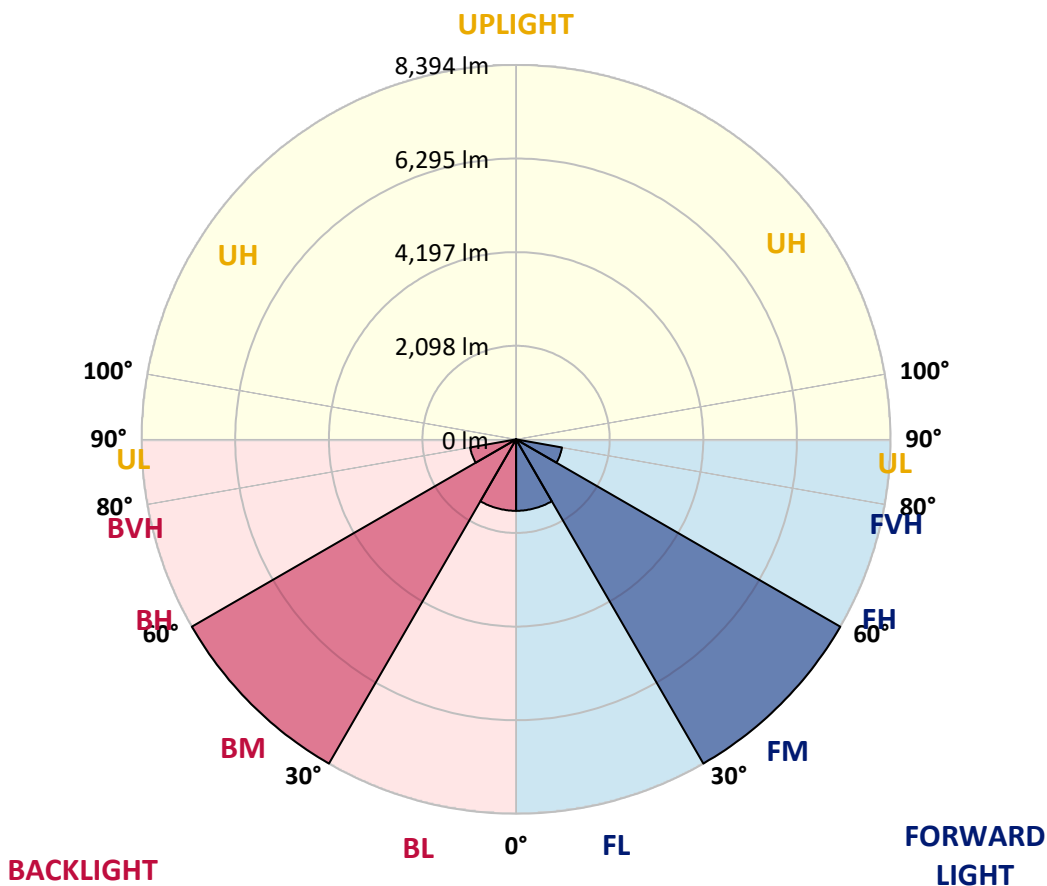
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1601.2	7.3			
FM (30°-60°)	8393.7	38.0			
FH (60°-80°)	1045.1	4.7			G1/1800
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1601.2	7.3	B3/2500		
BM (30°-60°)	8393.7	38.0	B4/8500		
BH (60°-80°)	1045.1	4.7	B3/2500		G1/1800
BVH (80°-90°)	0.6	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3671.2	3671.2	3671.2	3671.2	3671.2	3671.2	3671.2	3671.2	3671.2	3671.2	3671.2
2.5°	3645.3	3642.7	3653.1	3660.9	3660.9	3679.0	3673.8	3668.6	3663.5	3655.7	3673.8
5°	3640.1	3637.6	3645.3	3650.5	3645.3	3660.9	3650.5	3640.1	3635.0	3624.6	3645.3
7.5°	3616.8	3619.4	3624.6	3629.8	3622.0	3635.0	3622.0	3606.5	3593.5	3583.1	3601.3
10°	3580.6	3583.1	3588.3	3598.7	3601.3	3619.4	3601.3	3572.8	3554.6	3539.1	3557.2
12.5°	3562.4	3565.0	3572.8	3585.7	3588.3	3611.6	3588.3	3546.9	3521.0	3502.8	3521.0
15°	3567.6	3572.8	3583.1	3598.7	3603.9	3627.2	3596.1	3541.7	3505.4	3482.1	3497.6
17.5°	3585.7	3590.9	3606.5	3632.4	3650.5	3673.8	3635.0	3565.0	3515.8	3482.1	3497.6
20°	3609.1	3616.8	3642.7	3684.2	3723.0	3764.5	3715.3	3619.4	3554.6	3513.2	3526.1
22.5°	3673.8	3681.6	3717.9	3772.3	3837.0	3888.9	3829.3	3707.5	3619.4	3565.0	3578.0
25°	3806.0	3813.7	3860.4	3930.3	4013.2	4080.6	4005.5	3852.6	3738.6	3676.4	3681.6
27.5°	4013.2	4021.0	4075.4	4173.9	4285.3	4381.1	4272.3	4093.5	3964.0	3891.5	3891.5
30°	4274.9	4285.3	4357.8	4489.9	4663.5	4790.5	4642.8	4425.2	4259.4	4160.9	4163.5
32.5°	4611.7	4601.3	4705.0	4886.3	5132.5	5300.9	5083.2	4819.0	4614.3	4477.0	4489.9
35°	5044.4	5041.8	5158.4	5404.5	5725.8	5927.9	5668.8	5326.8	5080.7	4940.7	4943.3
37.5°	5601.4	5598.8	5733.5	6000.4	6386.4	6554.8	6264.7	5917.5	5653.2	5518.5	5534.1
40°	6254.3	6238.8	6357.9	6614.4	7000.5	7109.3	6793.2	6513.4	6259.5	6174.0	6215.4
42.5°	6876.1	6842.4	6912.4	7145.6	7443.5	7459.1	7220.7	7029.0	6855.4	6788.0	6813.9
45°	7376.1	7350.2	7415.0	7549.7	7720.7	7643.0	7529.0	7469.4	7329.5	7257.0	7280.3
47.5°	7749.2	7749.2	7827.0	7909.9	7935.8	7793.3	7811.4	7811.4	7671.5	7557.5	7529.0
50°	8070.5	8093.8	8210.4	8295.9	8210.4	8029.0	8132.7	8111.9	7827.0	7599.0	7539.4
52.5°	8583.5	8606.8	8785.6	8902.2	8806.3	8627.5	8640.5	8381.4	7961.7	7692.2	7599.0
55°	9127.6	9184.6	9443.6	9754.5	9757.1	9573.2	9231.2	8772.6	8262.2	7969.4	7873.6
57.5°	8415.1	8492.8	8878.8	9627.6	10169.1	10042.1	9226.0	8420.3	7731.1	7332.1	7277.7
60°	5790.5	5925.3	6311.3	7334.7	8378.8	8428.0	7464.2	6560.0	5769.8	5277.6	5287.9
62.5°	2445.8	2583.1	2800.7	3642.7	4601.3	4660.9	4194.6	3546.9	2901.7	2546.8	2601.2
65°	575.2	614.0	678.8	1007.8	1461.2	1528.6	1409.4	1098.5	810.9	686.6	699.5
67.5°	251.3	256.5	243.5	259.1	321.3	329.0	318.7	279.8	264.3	269.4	269.4
70°	176.2	178.8	168.4	160.6	152.9	142.5	147.7	163.2	176.2	186.5	184.0
72.5°	108.8	111.4	114.0	114.0	106.2	95.9	101.0	111.4	114.0	116.6	114.0
75°	54.4	57.0	62.2	64.8	62.2	59.6	59.6	62.2	62.2	59.6	59.6
77.5°	10.4	13.0	18.1	20.7	20.7	20.7	20.7	20.7	23.3	20.7	20.7
80°	2.6	2.6	5.2	2.6	2.6	2.6	2.6	2.6	2.6	5.2	5.2
82.5°	2.6	2.6	2.6	2.6	0.0	0.0	2.6	2.6	2.6	2.6	2.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6
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)