

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: P640818

Luminaire Tested: GWS-SA5E-760-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640818
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-SA5E-760-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23141 lumens
Efficiency: N/A
Efficacy: 85.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

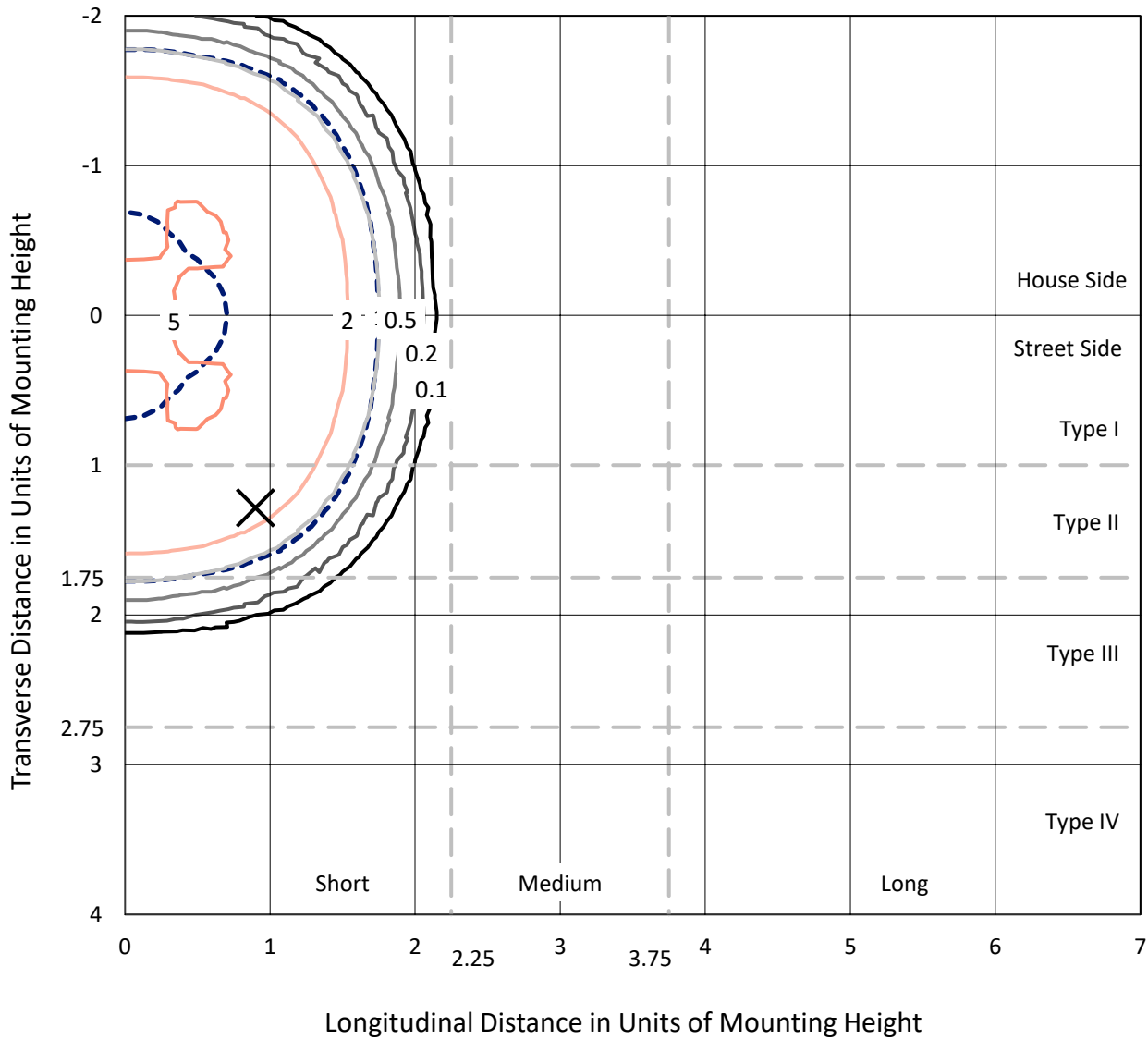
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

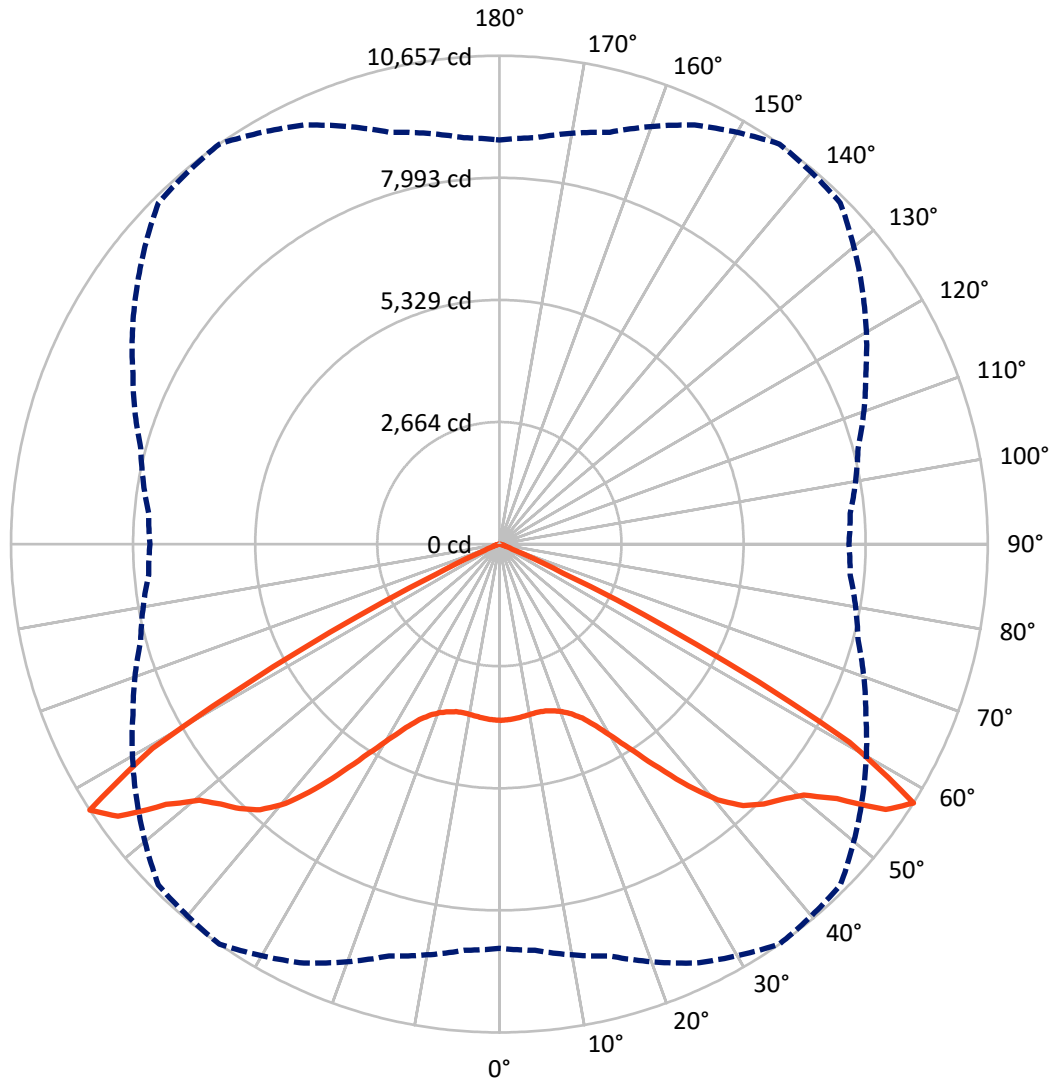
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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	11570.5	0.0	11570.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11570.5	0.0	11570.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	23141.0	0.0	23141.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.5	1.6
10°-20°	1066.3	4.6
20°-30°	1927.4	8.3
30°-40°	3595.7	15.5
40°-50°	6031.7	26.1
50°-60°	7965.5	34.4
60°-70°	2115.5	9.1
70°-80°	75.1	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°	23141.0	100.0
0°-180°	23141.0	100.0

Coefficient of Utilization



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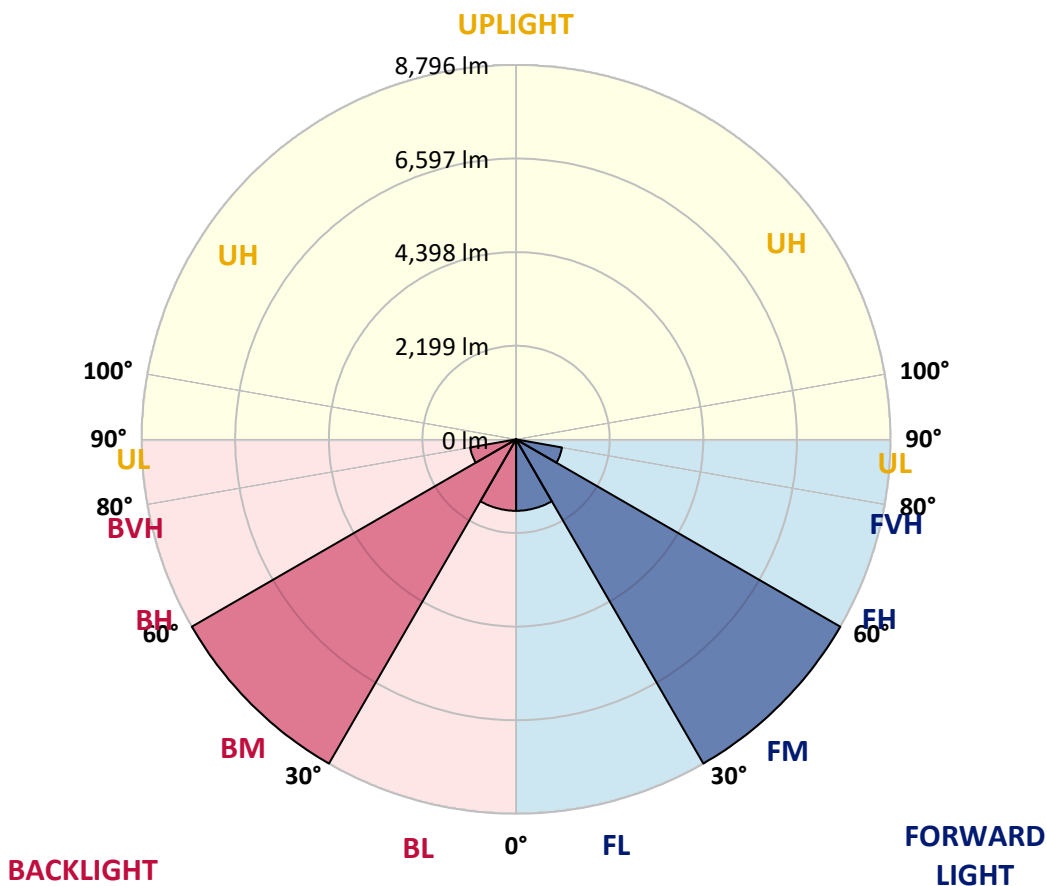
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1678.1	7.3			
FM (30°-60°)	8796.5	38.0			
FH (60°-80°)	1095.3	4.7			G1/1800
FVH (80°-90°)	0.7	0.0			G0/10
BL (0°-30°)	1678.1	7.3	B3/2500		
BM (30°-60°)	8796.5	38.0	B5		
BH (60°-80°)	1095.3	4.7	B3/2500		G1/1800
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: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3847.4	3847.4	3847.4	3847.4	3847.4	3847.4	3847.4	3847.4	3847.4	3847.4	3847.4
2.5°	3820.2	3817.5	3828.4	3836.5	3836.5	3855.5	3850.1	3844.7	3839.3	3831.1	3850.1
5°	3814.8	3812.1	3820.2	3825.7	3820.2	3836.5	3825.7	3814.8	3809.4	3798.5	3820.2
7.5°	3790.4	3793.1	3798.5	3804.0	3795.8	3809.4	3795.8	3779.5	3765.9	3755.1	3774.1
10°	3752.4	3755.1	3760.5	3771.4	3774.1	3793.1	3774.1	3744.2	3725.2	3708.9	3727.9
12.5°	3733.4	3736.1	3744.2	3757.8	3760.5	3785.0	3760.5	3717.1	3689.9	3670.9	3689.9
15°	3738.8	3744.2	3755.1	3771.4	3776.8	3801.2	3768.7	3711.6	3673.6	3649.2	3665.5
17.5°	3757.8	3763.2	3779.5	3806.7	3825.7	3850.1	3809.4	3736.1	3684.5	3649.2	3665.5
20°	3782.2	3790.4	3817.5	3861.0	3901.7	3945.1	3893.6	3793.1	3725.2	3681.8	3695.3
22.5°	3850.1	3858.3	3896.3	3953.3	4021.2	4075.5	4013.0	3885.4	3793.1	3736.1	3749.7
25°	3988.6	3996.7	4045.6	4118.9	4205.8	4276.4	4197.7	4037.5	3918.0	3852.8	3858.3
27.5°	4205.8	4213.9	4271.0	4374.1	4490.9	4591.4	4477.3	4290.0	4154.2	4078.2	4078.2
30°	4480.0	4490.9	4566.9	4705.4	4887.3	5020.4	4865.6	4637.5	4463.7	4360.6	4363.3
32.5°	4833.0	4822.1	4930.8	5120.8	5378.8	5555.2	5327.2	5050.2	4835.7	4691.8	4705.4
35°	5286.4	5283.7	5405.9	5663.9	6000.5	6212.3	5940.8	5582.4	5324.5	5177.8	5180.5
37.5°	5870.2	5867.5	6008.7	6288.3	6692.9	6869.4	6565.3	6201.5	5924.5	5783.3	5799.6
40°	6554.4	6538.1	6663.0	6931.8	7336.4	7450.4	7119.2	6825.9	6559.9	6470.3	6513.7
42.5°	7206.1	7170.8	7244.1	7488.4	7800.7	7817.0	7567.2	7366.3	7184.3	7113.8	7140.9
45°	7730.1	7702.9	7770.8	7912.0	8091.2	8009.8	7890.3	7827.8	7681.2	7605.2	7629.6
47.5°	8121.1	8121.1	8202.5	8289.4	8316.6	8167.2	8186.2	8186.2	8039.6	7920.2	7890.3
50°	8457.8	8482.2	8604.4	8694.0	8604.4	8414.3	8522.9	8501.2	8202.5	7963.6	7901.2
52.5°	8995.4	9019.8	9207.2	9329.3	9228.9	9041.5	9055.1	8783.6	8343.7	8061.3	7963.6
55°	9565.6	9625.3	9896.8	10222.6	10225.3	10032.6	9674.2	9193.6	8658.7	8351.9	8251.4
57.5°	8818.9	8900.3	9304.9	10089.6	10657.1	10524.0	9668.7	8824.3	8102.1	7683.9	7626.9
60°	6068.4	6209.6	6614.2	7686.7	8780.9	8832.5	7822.4	6874.8	6046.7	5530.8	5541.7
62.5°	2563.1	2707.0	2935.1	3817.5	4822.1	4884.6	4395.9	3717.1	3041.0	2669.0	2726.0
65°	602.8	643.5	711.4	1056.2	1531.4	1602.0	1477.1	1151.2	849.8	719.5	733.1
67.5°	263.4	268.8	255.2	271.5	336.7	344.8	334.0	293.2	276.9	282.4	282.4
70°	184.6	187.3	176.5	168.3	160.2	149.3	154.8	171.1	184.6	195.5	192.8
72.5°	114.0	116.8	119.5	119.5	111.3	100.5	105.9	116.8	119.5	122.2	119.5
75°	57.0	59.7	65.2	67.9	65.2	62.4	62.4	65.2	65.2	62.4	62.4
77.5°	10.9	13.6	19.0	21.7	21.7	21.7	21.7	21.7	24.4	21.7	21.7
80°	2.7	2.7	5.4	2.7	2.7	2.7	2.7	2.7	2.7	5.4	5.4
82.5°	2.7	2.7	2.7	2.7	0.0	0.0	2.7	2.7	2.7	2.7	2.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7
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)