

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: P640653

Luminaire Tested: GWS-SA5E-735-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640653
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22622.6 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

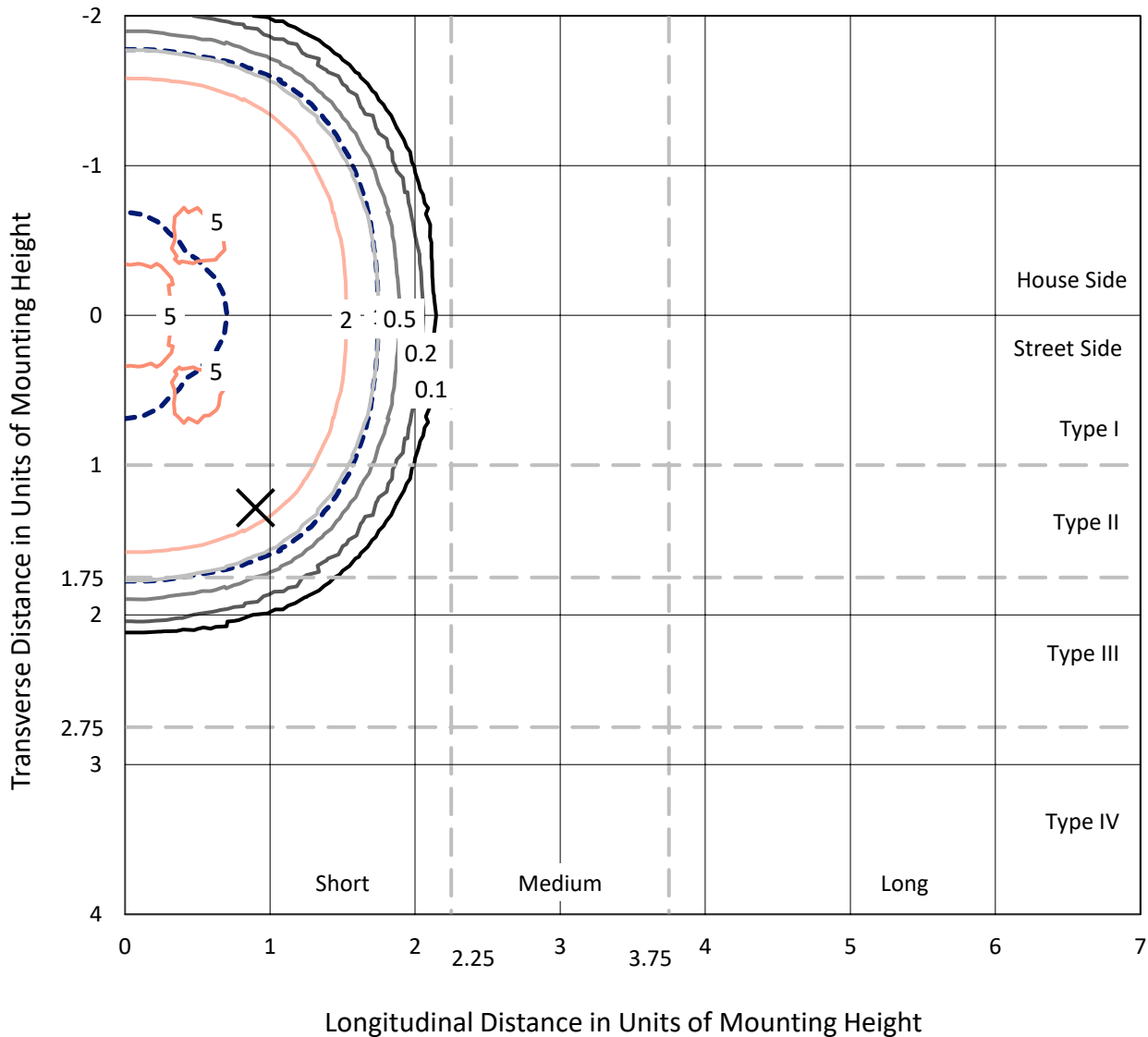
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

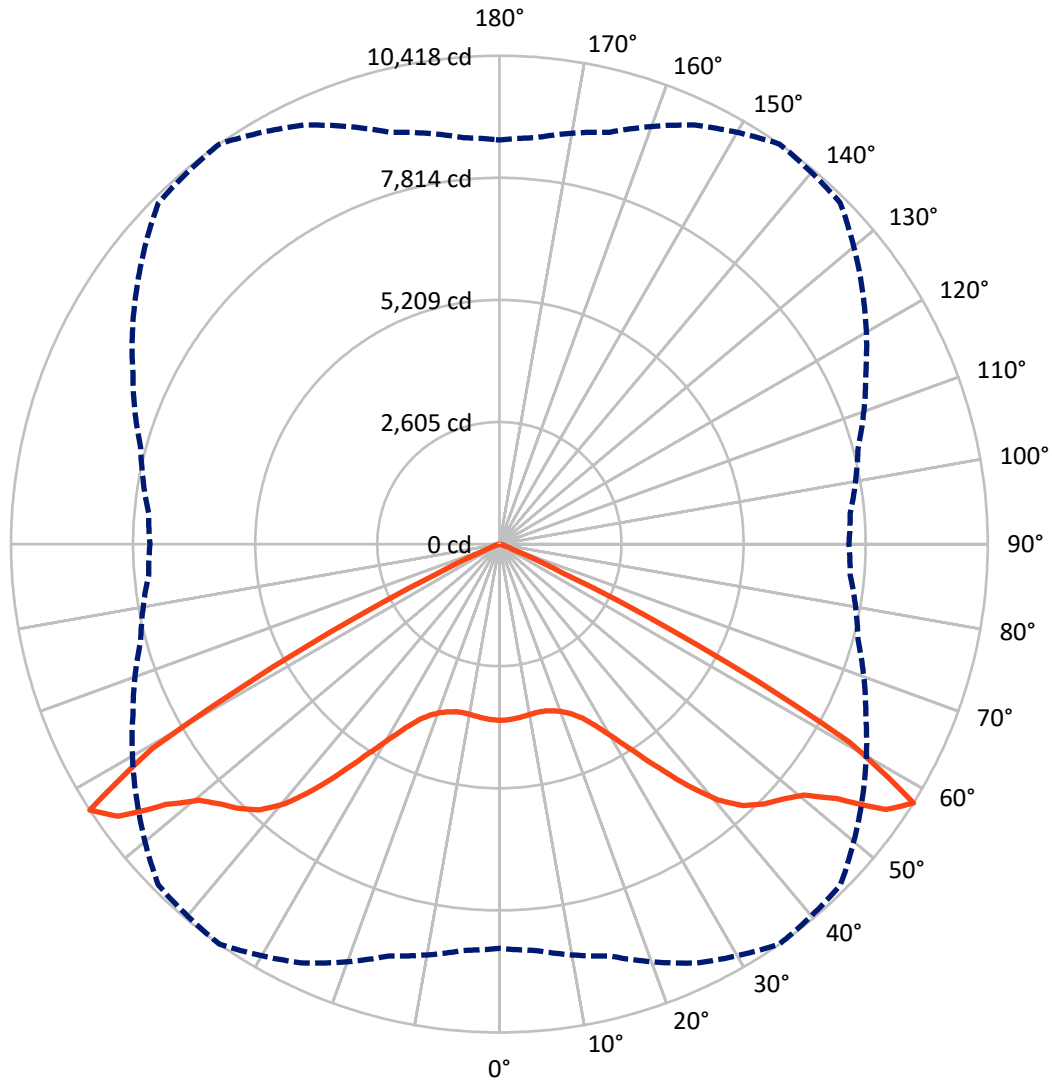
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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	11311.3	0.0	11311.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11311.3	0.0	11311.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	22622.6	0.0	22622.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.4	1.6
10°-20°	1042.4	4.6
20°-30°	1884.2	8.3
30°-40°	3515.1	15.5
40°-50°	5896.6	26.1
50°-60°	7787.1	34.4
60°-70°	2068.1	9.1
70°-80°	73.5	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°	22622.6	100.0
0°-180°	22622.6	100.0

Coefficient of Utilization



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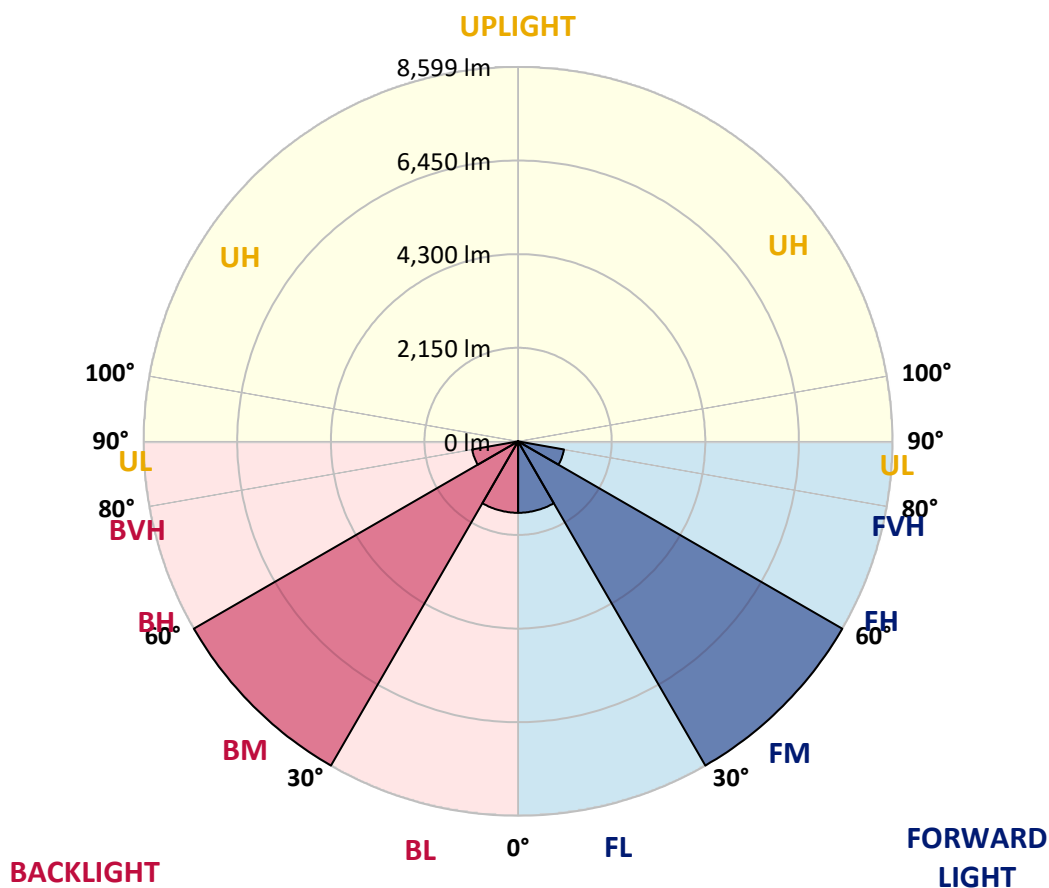
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1640.5	7.3			
FM (30°-60°)	8599.4	38.0			
FH (60°-80°)	1070.8	4.7			G1/1800
FVH (80°-90°)	0.7	0.0			G0/10
BL (0°-30°)	1640.5	7.3	B3/2500		
BM (30°-60°)	8599.4	38.0	B5		
BH (60°-80°)	1070.8	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 <td></td> <td>U0/0</td> <td></td>		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°	3761.2	3761.2	3761.2	3761.2	3761.2	3761.2	3761.2	3761.2	3761.2	3761.2	3761.2
2.5°	3734.7	3732.0	3742.6	3750.6	3750.6	3769.2	3763.9	3758.6	3753.2	3745.3	3763.9
5°	3729.4	3726.7	3734.7	3740.0	3734.7	3750.6	3740.0	3729.4	3724.1	3713.4	3734.7
7.5°	3705.5	3708.1	3713.4	3718.7	3710.8	3724.1	3710.8	3694.9	3681.6	3671.0	3689.5
10°	3668.3	3671.0	3676.3	3686.9	3689.5	3708.1	3689.5	3660.3	3641.8	3625.8	3644.4
12.5°	3649.7	3652.4	3660.3	3673.6	3676.3	3700.2	3676.3	3633.8	3607.3	3588.7	3607.3
15°	3655.0	3660.3	3671.0	3686.9	3692.2	3716.1	3684.2	3628.5	3591.3	3567.4	3583.4
17.5°	3673.6	3678.9	3694.9	3721.4	3740.0	3763.9	3724.1	3652.4	3602.0	3567.4	3583.4
20°	3697.5	3705.5	3732.0	3774.5	3814.3	3856.8	3806.3	3708.1	3641.8	3599.3	3612.6
22.5°	3763.9	3771.8	3809.0	3864.7	3931.1	3984.2	3923.1	3798.4	3708.1	3652.4	3665.7
25°	3899.2	3907.2	3955.0	4026.6	4111.6	4180.6	4103.6	3947.0	3830.2	3766.5	3771.8
27.5°	4111.6	4119.5	4175.3	4276.2	4390.3	4488.5	4377.0	4193.9	4061.2	3986.8	3986.8
30°	4379.7	4390.3	4464.6	4600.0	4777.8	4907.9	4756.6	4533.6	4363.7	4262.9	4265.5
32.5°	4724.7	4714.1	4820.3	5006.1	5258.3	5430.8	5207.8	4937.1	4727.4	4586.7	4600.0
35°	5168.0	5165.4	5284.8	5537.0	5866.1	6073.1	5807.7	5457.3	5205.2	5061.8	5064.5
37.5°	5738.7	5736.0	5874.1	6147.5	6543.0	6715.5	6418.2	6062.5	5791.8	5653.8	5669.7
40°	6407.6	6391.7	6513.8	6776.6	7172.0	7283.5	6959.7	6673.0	6412.9	6325.3	6367.8
42.5°	7044.6	7010.1	7081.8	7320.7	7625.9	7641.9	7397.7	7201.2	7023.4	6954.4	6980.9
45°	7556.9	7530.4	7596.7	7734.8	7910.0	7830.3	7713.5	7652.5	7509.2	7434.8	7458.7
47.5°	7939.2	7939.2	8018.8	8103.7	8130.3	7984.3	8002.9	8002.9	7859.5	7742.7	7713.5
50°	8268.3	8292.2	8411.6	8499.2	8411.6	8225.8	8332.0	8310.8	8018.8	7785.2	7724.2
52.5°	8793.9	8817.7	9000.9	9120.3	9022.1	8839.0	8852.3	8586.8	8156.8	7880.8	7785.2
55°	9351.3	9409.7	9675.1	9993.6	9996.3	9807.8	9457.4	8987.6	8464.7	8164.8	8066.6
57.5°	8621.3	8701.0	9096.5	9863.6	10418.3	10288.3	9452.1	8626.6	7920.6	7511.8	7456.1
60°	5932.5	6070.5	6466.0	7514.5	8584.2	8634.6	7647.2	6720.8	5911.2	5406.9	5417.5
62.5°	2505.7	2646.4	2869.4	3732.0	4714.1	4775.2	4297.4	3633.8	2972.9	2609.2	2665.0
65°	589.3	629.1	695.4	1032.5	1497.1	1566.1	1444.0	1125.4	830.8	703.4	716.7
67.5°	257.5	262.8	249.5	265.4	329.1	337.1	326.5	286.7	270.7	276.1	276.1
70°	180.5	183.2	172.5	164.6	156.6	146.0	151.3	167.2	180.5	191.1	188.5
72.5°	111.5	114.1	116.8	116.8	108.8	98.2	103.5	114.1	116.8	119.4	116.8
75°	55.7	58.4	63.7	66.4	63.7	61.1	61.1	63.7	63.7	61.1	61.1
77.5°	10.6	13.3	18.6	21.2	21.2	21.2	21.2	21.2	23.9	21.2	21.2
80°	2.7	2.7	5.3	2.7	2.7	2.7	2.7	2.7	2.7	5.3	5.3
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)