

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: P640323

Luminaire Tested: GWS-SA5D-760-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640323
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-SA5D-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: 18518 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

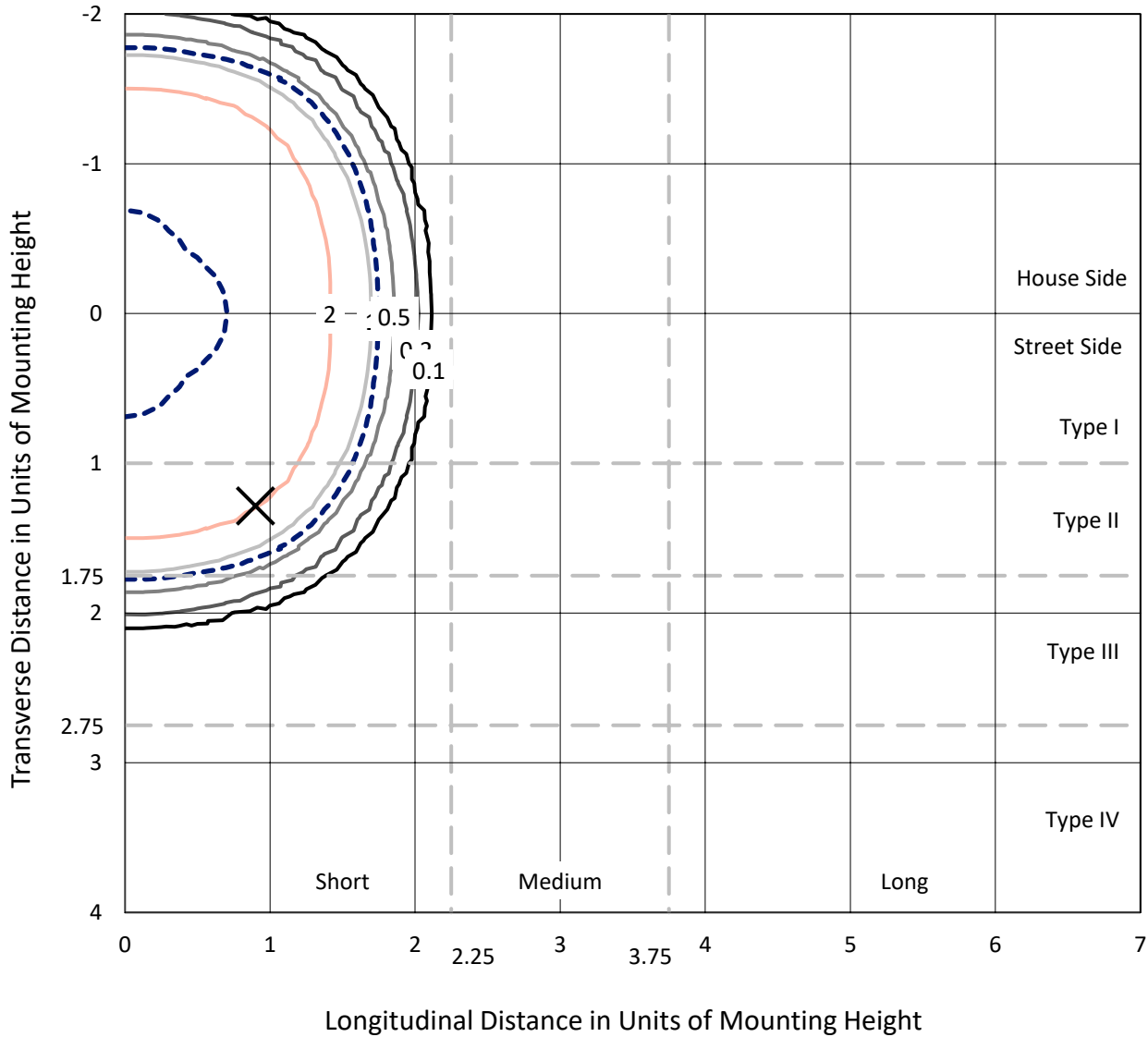
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

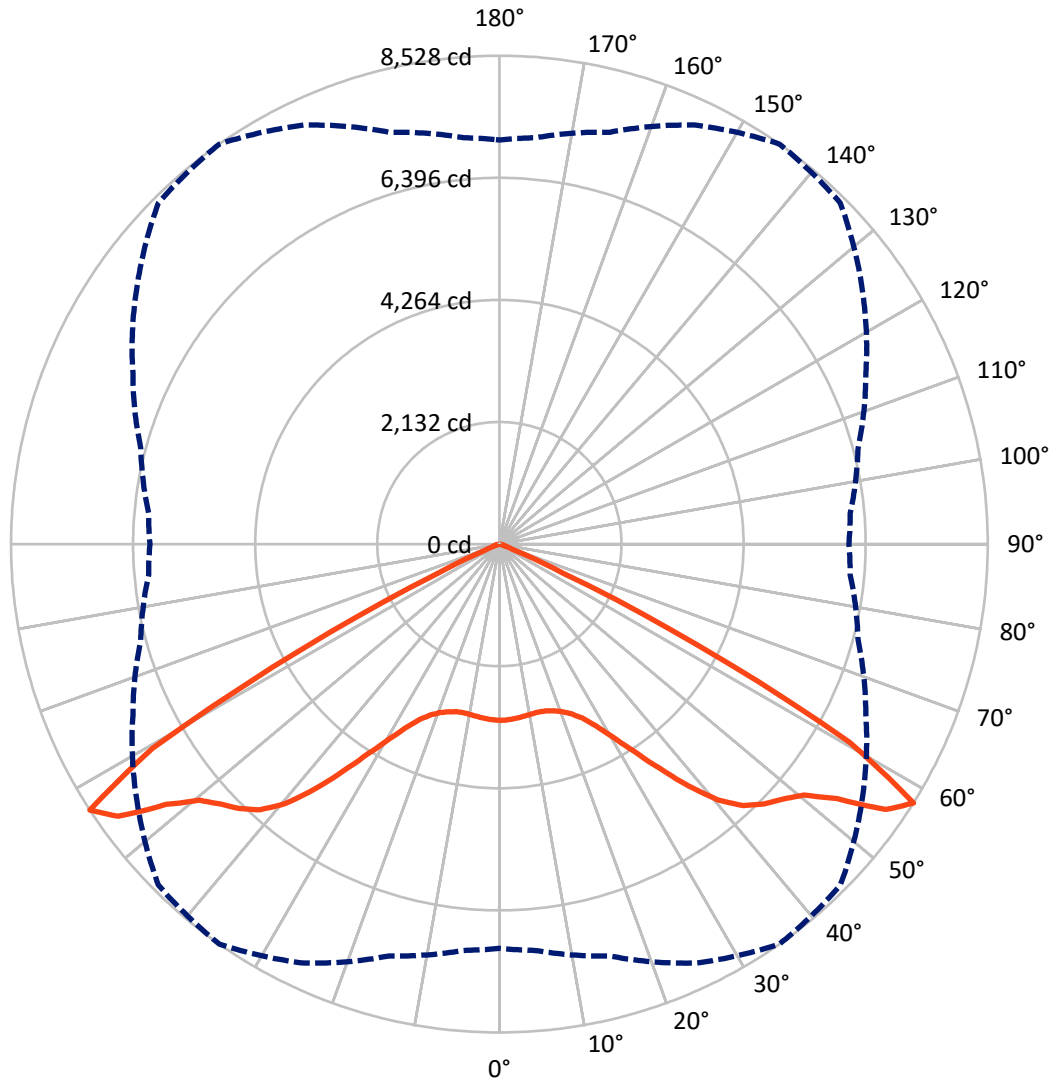
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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	9259.0	0.0	9259.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9259.0	0.0	9259.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18518.0	0.0	18518.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.1	1.6
10°-20°	853.3	4.6
20°-30°	1542.3	8.3
30°-40°	2877.3	15.5
40°-50°	4826.8	26.1
50°-60°	6374.2	34.4
60°-70°	1692.8	9.1
70°-80°	60.1	0.3
80°-90°	1.1	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°	18518.0	100.0
0°-180°	18518.0	100.0

Coefficient of Utilization



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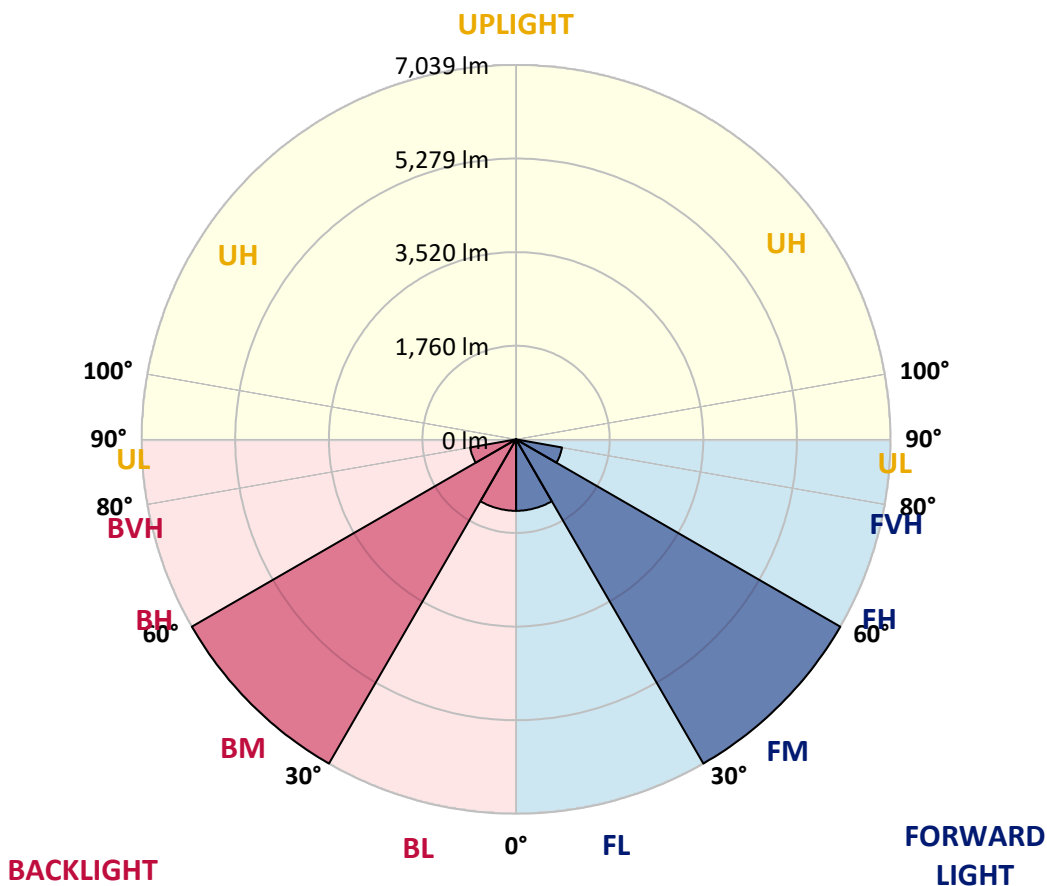
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1342.8	7.3			
FM (30°-60°)	7039.2	38.0			
FH (60°-80°)	876.5	4.7			G1/1800
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1342.8	7.3	B3/2500		
BM (30°-60°)	7039.2	38.0	B4/8500		
BH (60°-80°)	876.5	4.7	B2/1000		G1/1800
BVH (80°-90°)	0.5	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°	3078.8	3078.8	3078.8	3078.8	3078.8	3078.8	3078.8	3078.8	3078.8	3078.8	3078.8
2.5°	3057.1	3054.9	3063.6	3070.1	3070.1	3085.3	3081.0	3076.6	3072.3	3065.7	3081.0
5°	3052.7	3050.5	3057.1	3061.4	3057.1	3070.1	3061.4	3052.7	3048.4	3039.7	3057.1
7.5°	3033.2	3035.3	3039.7	3044.0	3037.5	3048.4	3037.5	3024.5	3013.6	3004.9	3020.1
10°	3002.7	3004.9	3009.3	3017.9	3020.1	3035.3	3020.1	2996.2	2981.0	2968.0	2983.2
12.5°	2987.5	2989.7	2996.2	3007.1	3009.3	3028.8	3009.3	2974.5	2952.8	2937.6	2952.8
15°	2991.9	2996.2	3004.9	3017.9	3022.3	3041.8	3015.8	2970.1	2939.7	2920.2	2933.2
17.5°	3007.1	3011.4	3024.5	3046.2	3061.4	3081.0	3048.4	2989.7	2948.4	2920.2	2933.2
20°	3026.6	3033.2	3054.9	3089.6	3122.2	3157.0	3115.7	3035.3	2981.0	2946.2	2957.1
22.5°	3081.0	3087.5	3117.9	3163.5	3217.8	3261.3	3211.3	3109.2	3035.3	2989.7	3000.6
25°	3191.8	3198.3	3237.4	3296.1	3365.6	3422.1	3359.1	3230.9	3135.3	3083.1	3087.5
27.5°	3365.6	3372.1	3417.7	3500.3	3593.7	3674.1	3582.9	3432.9	3324.3	3263.5	3263.5
30°	3585.0	3593.7	3654.6	3765.4	3910.9	4017.4	3893.6	3711.1	3572.0	3489.4	3491.6
32.5°	3867.5	3858.8	3945.7	4097.8	4304.2	4445.4	4262.9	4041.3	3869.7	3754.5	3765.4
35°	4230.3	4228.2	4325.9	4532.4	4801.8	4971.2	4754.0	4467.2	4260.8	4143.4	4145.6
37.5°	4697.5	4695.3	4808.3	5032.1	5355.8	5497.1	5253.7	4962.6	4740.9	4628.0	4641.0
40°	5245.0	5232.0	5331.9	5547.0	5870.8	5962.0	5696.9	5462.3	5249.4	5177.7	5212.4
42.5°	5766.5	5738.2	5796.9	5992.4	6242.3	6255.3	6055.4	5894.7	5749.1	5692.6	5714.3
45°	6185.8	6164.1	6218.4	6331.4	6474.8	6409.6	6314.0	6264.0	6146.7	6085.9	6105.4
47.5°	6498.7	6498.7	6563.9	6633.4	6655.1	6535.6	6550.8	6550.8	6433.5	6337.9	6314.0
50°	6768.1	6787.7	6885.4	6957.1	6885.4	6733.3	6820.3	6802.9	6563.9	6372.7	6322.7
52.5°	7198.3	7217.9	7367.8	7465.6	7385.2	7235.3	7246.1	7028.8	6676.9	6450.9	6372.7
55°	7654.6	7702.4	7919.7	8180.4	8182.6	8028.3	7741.5	7356.9	6928.9	6683.4	6603.0
57.5°	7057.1	7122.3	7446.0	8073.9	8528.0	8421.6	7737.2	7061.4	6483.5	6148.9	6103.2
60°	4856.1	4969.1	5292.8	6151.1	7026.7	7067.9	6259.7	5501.4	4838.7	4425.9	4434.6
62.5°	2051.1	2166.2	2348.7	3054.9	3858.8	3908.8	3517.7	2974.5	2433.5	2135.8	2181.4
65°	482.4	514.9	569.3	845.2	1225.4	1281.9	1182.0	921.2	680.1	575.8	586.6
67.5°	210.8	215.1	204.2	217.3	269.4	275.9	267.2	234.7	221.6	226.0	226.0
70°	147.7	149.9	141.2	134.7	128.2	119.5	123.8	136.9	147.7	156.4	154.3
72.5°	91.3	93.4	95.6	95.6	89.1	80.4	84.7	93.4	95.6	97.8	95.6
75°	45.6	47.8	52.1	54.3	52.1	50.0	50.0	52.1	52.1	50.0	50.0
77.5°	8.7	10.9	15.2	17.4	17.4	17.4	17.4	17.4	19.6	17.4	17.4
80°	2.2	2.2	4.3	2.2	2.2	2.2	2.2	2.2	2.2	4.3	4.3
82.5°	2.2	2.2	2.2	2.2	0.0	0.0	2.2	2.2	2.2	2.2	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2
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)