

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: P640268

Luminaire Tested: GWS-SA5D-750-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640268
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18775.3 lumens
Efficiency: N/A
Efficacy: 91.8 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

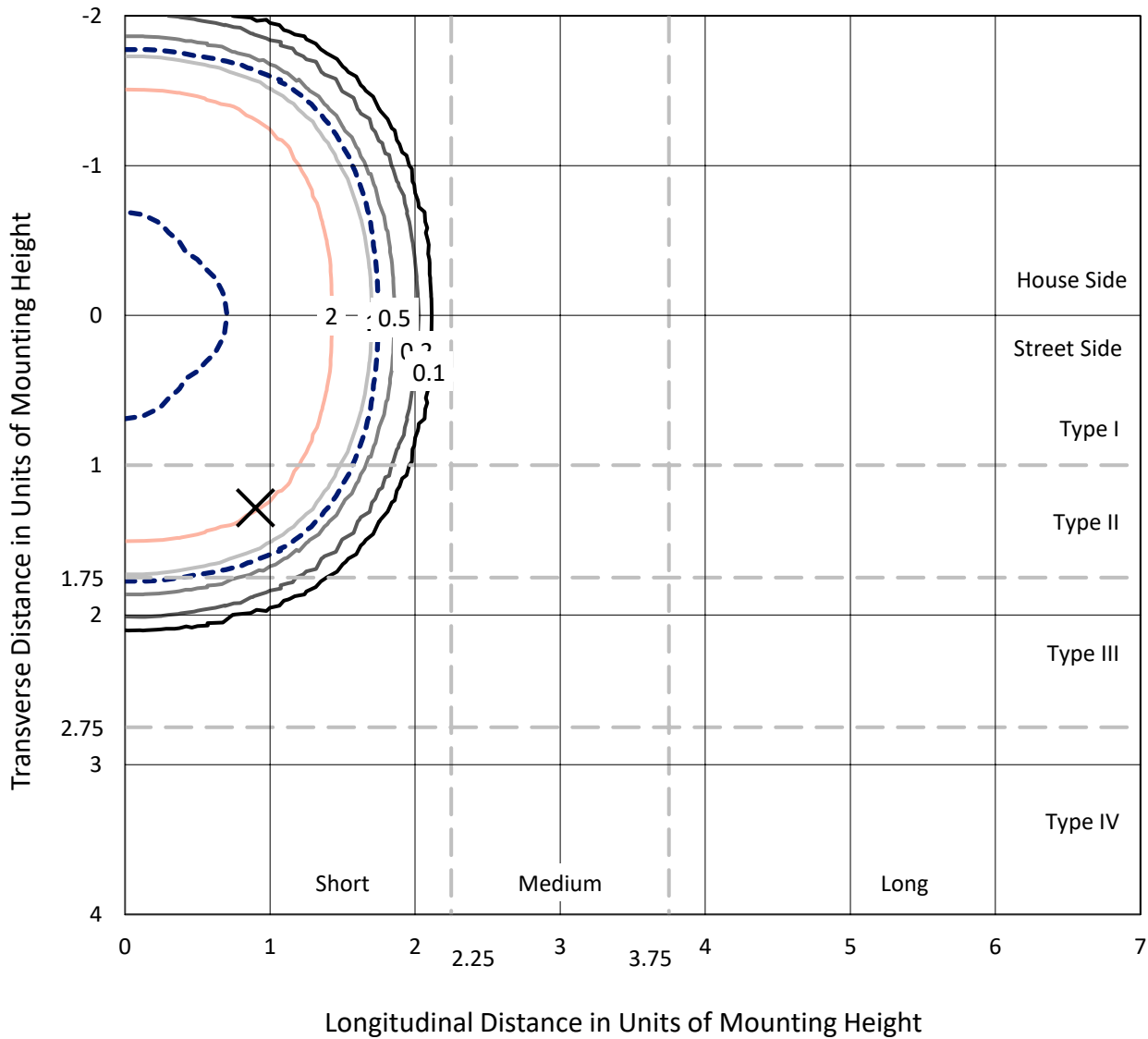


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Iso-Footcandle Lines of Horizontal Illumination

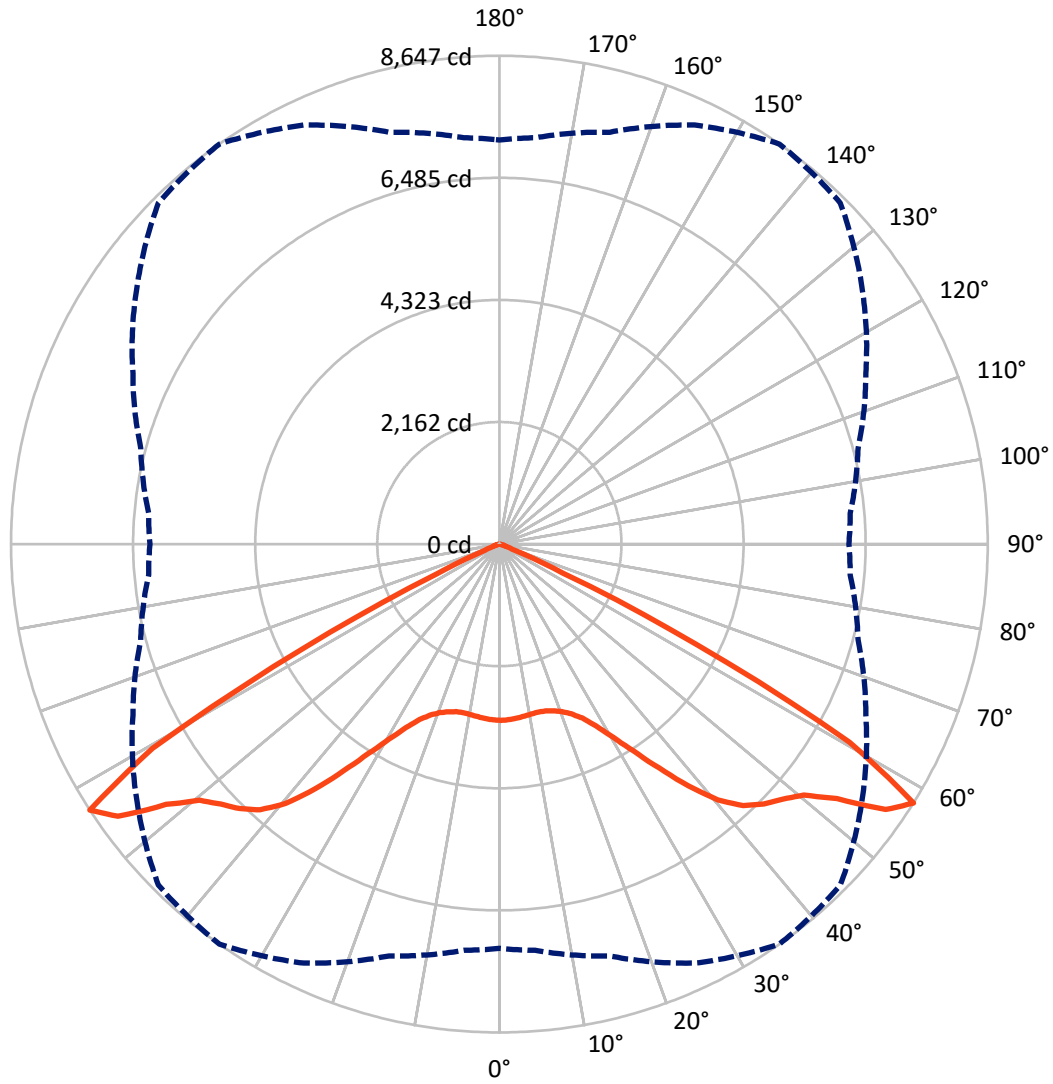
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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	9387.7	0.0	9387.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9387.7	0.0	9387.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	18775.3	0.0	18775.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.1	1.6
10°-20°	865.1	4.6
20°-30°	1563.7	8.3
30°-40°	2917.3	15.5
40°-50°	4893.8	26.1
50°-60°	6462.8	34.4
60°-70°	1716.4	9.1
70°-80°	61.0	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°	18775.3	100.0
0°-180°	18775.3	100.0

Coefficient of Utilization



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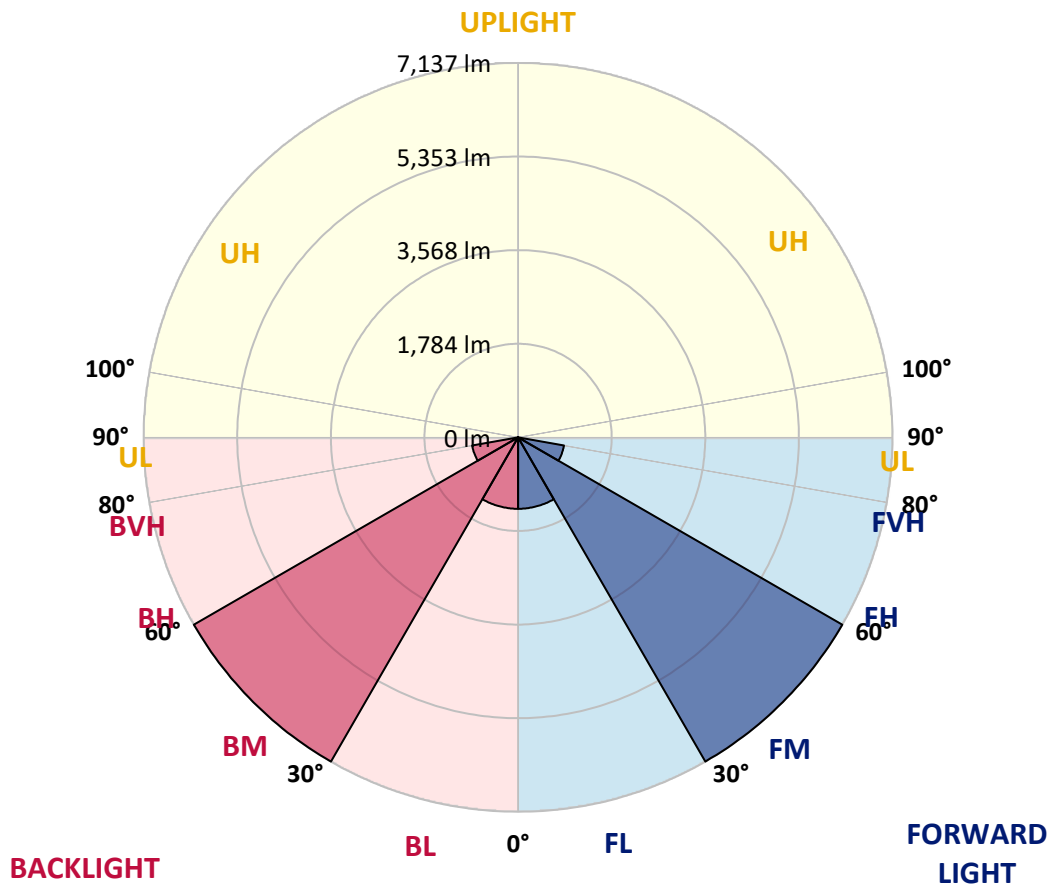
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1361.5	7.3			
FM (30°-60°)	7137.0	38.0			
FH (60°-80°)	888.7	4.7			G1/1800
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1361.5	7.3	B3/2500		
BM (30°-60°)	7137.0	38.0	B4/8500		
BH (60°-80°)	888.7	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°	3121.6	3121.6	3121.6	3121.6	3121.6	3121.6	3121.6	3121.6	3121.6	3121.6	3121.6
2.5°	3099.5	3097.3	3106.1	3112.8	3112.8	3128.2	3123.8	3119.4	3115.0	3108.3	3123.8
5°	3095.1	3092.9	3099.5	3103.9	3099.5	3112.8	3103.9	3095.1	3090.7	3081.9	3099.5
7.5°	3075.3	3077.5	3081.9	3086.3	3079.7	3090.7	3079.7	3066.5	3055.5	3046.7	3062.1
10°	3044.5	3046.7	3051.1	3059.9	3062.1	3077.5	3062.1	3037.9	3022.4	3009.2	3024.6
12.5°	3029.0	3031.2	3037.9	3048.9	3051.1	3070.9	3051.1	3015.8	2993.8	2978.4	2993.8
15°	3033.4	3037.9	3046.7	3059.9	3064.3	3084.1	3057.7	3011.4	2980.6	2960.7	2974.0
17.5°	3048.9	3053.3	3066.5	3088.5	3103.9	3123.8	3090.7	3031.2	2989.4	2960.7	2974.0
20°	3068.7	3075.3	3097.3	3132.6	3165.6	3200.9	3159.0	3077.5	3022.4	2987.2	2998.2
22.5°	3123.8	3130.4	3161.2	3207.5	3262.6	3306.6	3255.9	3152.4	3077.5	3031.2	3042.3
25°	3236.1	3242.7	3282.4	3341.9	3412.4	3469.6	3405.7	3275.8	3178.8	3126.0	3130.4
27.5°	3412.4	3419.0	3465.2	3548.9	3643.7	3725.2	3632.6	3480.6	3370.5	3308.8	3308.8
30°	3634.8	3643.7	3705.3	3817.7	3965.3	4073.2	3947.7	3762.6	3621.6	3537.9	3540.1
32.5°	3921.2	3912.4	4000.5	4154.7	4364.0	4507.2	4322.2	4097.5	3923.4	3806.7	3817.7
35°	4289.1	4286.9	4386.0	4595.3	4868.5	5040.3	4820.0	4529.2	4320.0	4201.0	4203.2
37.5°	4762.8	4760.5	4875.1	5102.0	5430.2	5573.4	5326.7	5031.5	4806.8	4692.3	4705.5
40°	5317.9	5304.7	5406.0	5624.1	5952.3	6044.9	5776.1	5538.2	5322.3	5249.6	5284.8
42.5°	5846.6	5818.0	5877.4	6075.7	6329.0	6342.3	6139.6	5976.6	5829.0	5771.7	5793.7
45°	6271.8	6249.7	6304.8	6419.4	6564.8	6498.7	6401.7	6351.1	6232.1	6170.4	6190.3
47.5°	6589.0	6589.0	6655.1	6725.6	6747.6	6626.4	6641.9	6641.9	6522.9	6426.0	6401.7
50°	6862.2	6882.0	6981.1	7053.8	6981.1	6826.9	6915.0	6897.4	6655.1	6461.2	6410.5
52.5°	7298.3	7318.2	7470.2	7569.3	7487.8	7335.8	7346.8	7126.5	6769.6	6540.5	6461.2
55°	7760.9	7809.4	8029.7	8294.1	8296.3	8139.9	7849.1	7459.1	7025.2	6776.2	6694.7
57.5°	7155.1	7221.2	7549.5	8186.1	8646.5	8538.6	7844.7	7159.5	6573.6	6234.3	6188.1
60°	4923.6	5038.1	5366.4	6236.5	7124.3	7166.2	6346.7	5577.8	4905.9	4487.4	4496.2
62.5°	2079.6	2196.3	2381.4	3097.3	3912.4	3963.1	3566.6	3015.8	2467.3	2165.5	2211.7
65°	489.1	522.1	577.2	856.9	1242.5	1299.7	1198.4	934.0	689.5	583.8	594.8
67.5°	213.7	218.1	207.1	220.3	273.2	279.8	271.0	237.9	224.7	229.1	229.1
70°	149.8	152.0	143.2	136.6	130.0	121.2	125.6	138.8	149.8	158.6	156.4
72.5°	92.5	94.7	96.9	96.9	90.3	81.5	85.9	94.7	96.9	99.1	96.9
75°	46.3	48.5	52.9	55.1	52.9	50.7	50.7	52.9	52.9	50.7	50.7
77.5°	8.8	11.0	15.4	17.6	17.6	17.6	17.6	17.6	19.8	17.6	17.6
80°	2.2	2.2	4.4	2.2	2.2	2.2	2.2	2.2	2.2	4.4	4.4
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)