

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: P640271

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640271
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-750-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW 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: 21623.6 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

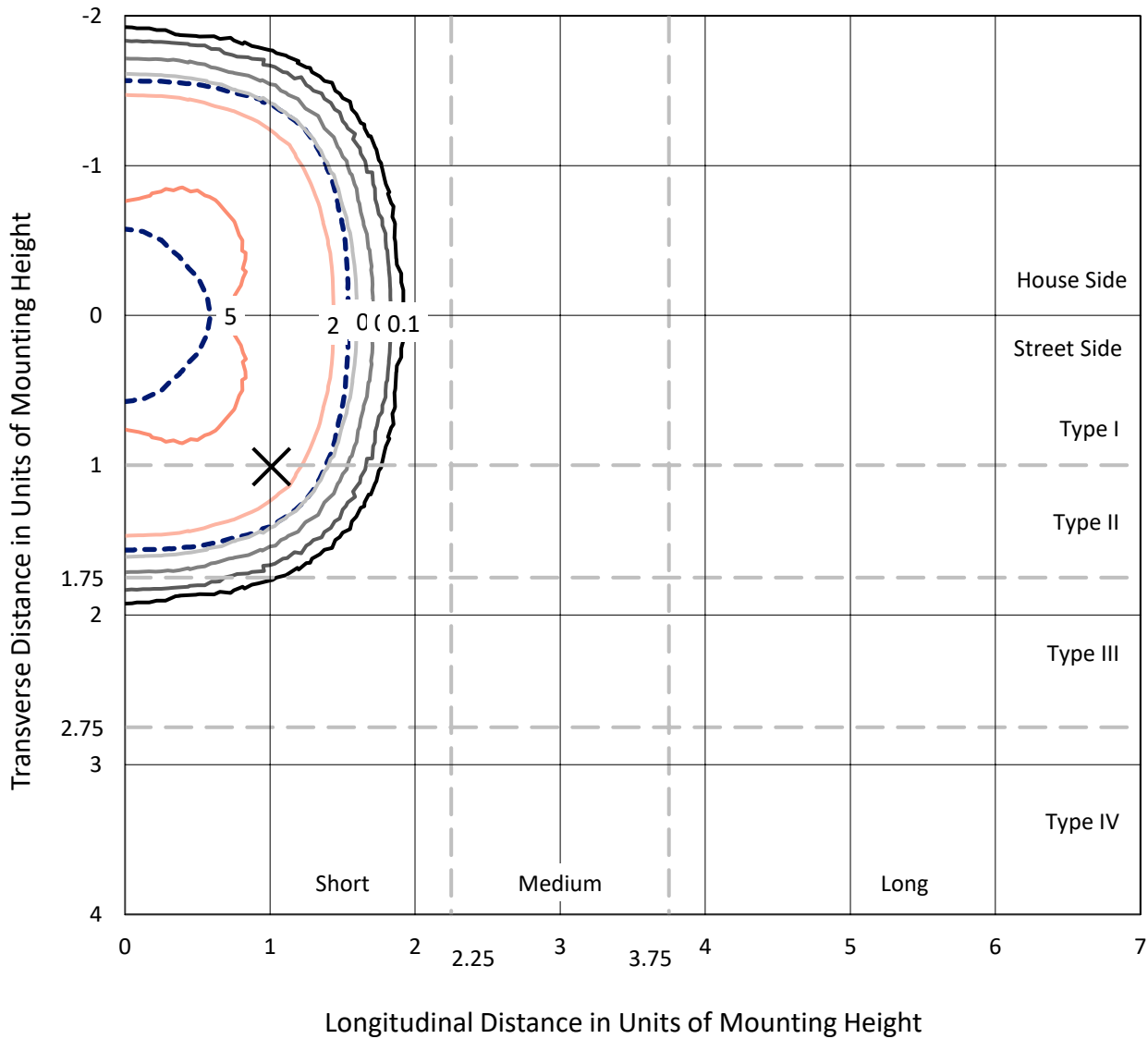
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

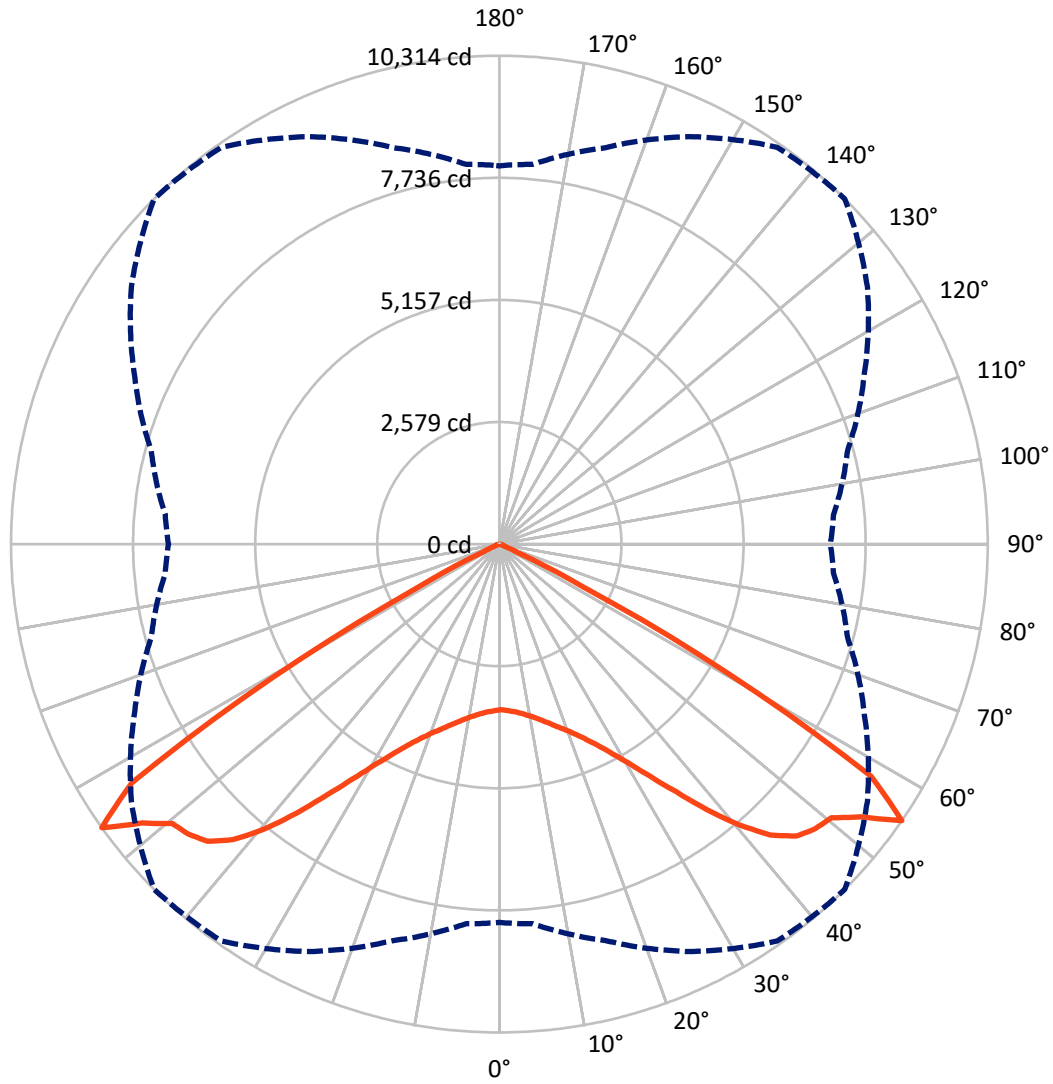
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10811.8	0.0	10811.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10811.8	0.0	10811.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	21623.6	0.0	21623.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.5	1.6
10°-20°	1110.4	5.1
20°-30°	2150.4	9.9
30°-40°	3852.5	17.8
40°-50°	6459.0	29.9
50°-60°	6914.1	32.0
60°-70°	759.8	3.5
70°-80°	33.4	0.2
80°-90°	1.6	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°	21623.6	100.0
0°-180°	21623.6	100.0

Coefficient of Utilization



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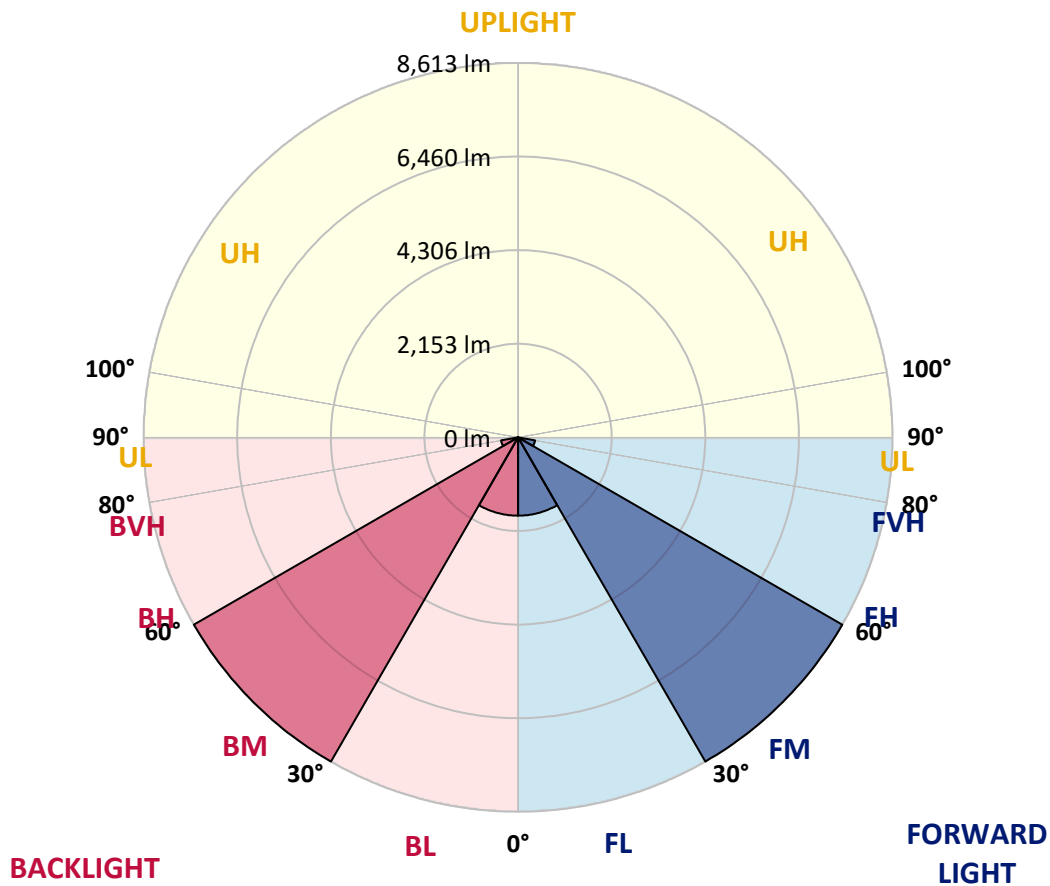
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1801.6	8.3			
FM (30°-60°)	8612.8	39.8			
FH (60°-80°)	396.6	1.8			G0/660
FVH (80°-90°)	0.8	0.0			G0/10
BL (0°-30°)	1801.6	8.3	B3/2500		
BM (30°-60°)	8612.8	39.8	B5		
BH (60°-80°)	396.6	1.8	B1/500		G0/660
BVH (80°-90°)	0.8	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-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3496.1	3496.1	3496.1	3496.1	3496.1	3496.1	3496.1	3496.1	3496.1	3496.1	3496.1
2.5°	3489.5	3489.5	3498.3	3504.9	3504.9	3522.6	3515.9	3509.3	3509.3	3500.5	3518.1
5°	3540.2	3538.0	3546.8	3551.2	3542.4	3560.0	3549.0	3542.4	3538.0	3529.2	3546.8
7.5°	3595.3	3597.5	3599.7	3608.5	3604.1	3621.7	3612.9	3599.7	3595.3	3582.0	3599.7
10°	3661.3	3661.3	3665.7	3676.8	3679.0	3701.0	3692.2	3676.8	3663.5	3650.3	3668.0
12.5°	3745.1	3747.3	3753.9	3769.3	3778.1	3802.3	3789.1	3758.3	3738.4	3723.0	3742.9
15°	3866.2	3864.0	3872.8	3894.9	3905.9	3923.5	3903.7	3861.8	3837.6	3820.0	3833.2
17.5°	3998.4	3998.4	4002.8	4024.8	4040.3	4066.7	4042.5	3991.8	3969.8	3945.5	3958.7
20°	4143.8	4150.4	4154.8	4170.2	4196.7	4223.1	4203.3	4152.6	4128.4	4097.5	4113.0
22.5°	4335.5	4328.8	4331.0	4357.5	4394.9	4421.4	4405.9	4346.5	4304.6	4280.4	4289.2
25°	4549.1	4546.9	4553.5	4593.2	4635.1	4663.7	4641.7	4564.6	4522.7	4480.8	4498.5
27.5°	4811.3	4813.5	4817.9	4866.4	4932.5	4974.3	4919.2	4842.1	4784.9	4729.8	4743.0
30°	5121.9	5117.5	5130.7	5196.8	5293.7	5359.8	5295.9	5188.0	5106.5	5053.6	5060.2
32.5°	5452.4	5456.8	5492.0	5597.8	5725.5	5842.3	5712.3	5569.1	5463.4	5364.2	5377.5
35°	5809.2	5820.3	5899.6	6056.0	6265.3	6421.7	6241.0	6005.3	5855.5	5727.7	5732.1
37.5°	6230.0	6256.4	6366.6	6600.1	6899.7	7109.0	6844.6	6531.8	6338.0	6179.3	6168.3
40°	6783.0	6813.8	6963.6	7241.2	7604.7	7796.3	7490.1	7168.5	6928.4	6756.5	6730.1
42.5°	7417.4	7457.1	7620.1	7904.3	8267.8	8397.7	8098.1	7827.2	7611.3	7408.6	7399.8
45°	8133.4	8155.4	8287.6	8505.7	8767.8	8798.7	8574.0	8424.2	8206.1	8016.6	8001.2
47.5°	8805.3	8827.3	8917.6	9030.0	9091.7	8981.5	8941.9	8875.8	8593.8	8360.3	8311.8
50°	9316.4	9334.0	9446.4	9490.4	9318.6	9085.1	9162.2	9021.2	8715.0	8452.8	8377.9
52.5°	9281.1	9325.2	9613.8	9864.9	9757.0	9567.5	9360.4	9056.4	8580.6	8221.5	8129.0
55°	7990.2	8049.7	8668.7	9494.8	10232.8	10314.3	9486.0	8505.7	7611.3	7084.8	6990.0
57.5°	5135.1	5150.6	5906.2	7064.9	8728.2	9252.5	7866.8	6412.9	5300.4	4721.0	4681.3
60°	1887.9	1857.1	2427.7	3388.2	5027.2	5582.3	4630.7	3242.8	2313.1	1903.4	1870.3
62.5°	453.8	458.2	568.4	852.6	1577.3	1951.8	1542.1	861.4	548.5	460.4	456.0
65°	229.1	224.7	226.9	244.5	337.1	403.1	330.4	233.5	224.7	226.9	224.7
67.5°	147.6	145.4	149.8	152.0	149.8	141.0	138.8	143.2	143.2	145.4	141.0
70°	90.3	88.1	92.5	99.1	94.7	83.7	88.1	92.5	88.1	85.9	85.9
72.5°	48.5	48.5	52.9	57.3	52.9	48.5	48.5	50.7	48.5	48.5	48.5
75°	22.0	22.0	24.2	26.4	22.0	22.0	22.0	22.0	22.0	22.0	22.0
77.5°	6.6	6.6	8.8	8.8	6.6	6.6	6.6	6.6	8.8	8.8	8.8
80°	2.2	4.4	4.4	2.2	2.2	2.2	2.2	2.2	4.4	4.4	4.4
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
85°	2.2	2.2	2.2	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	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)