

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: P638289

Luminaire Tested: GWS-SA4E-750-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P638289
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4E-750-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27409.3 lumens
Efficiency: N/A
Efficacy: 135.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 202.6
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

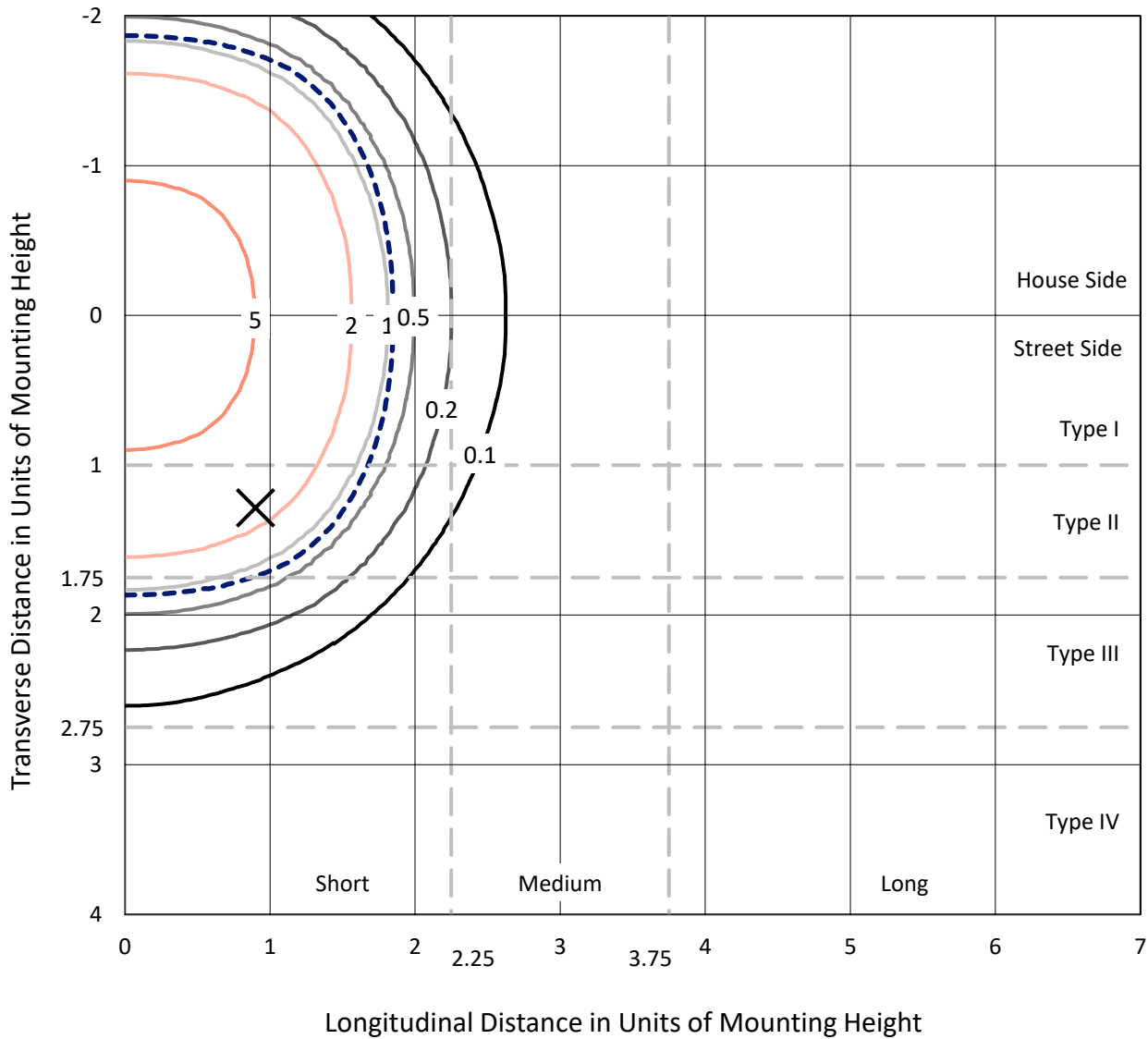


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Iso-Footcandle Lines of Horizontal Illumination

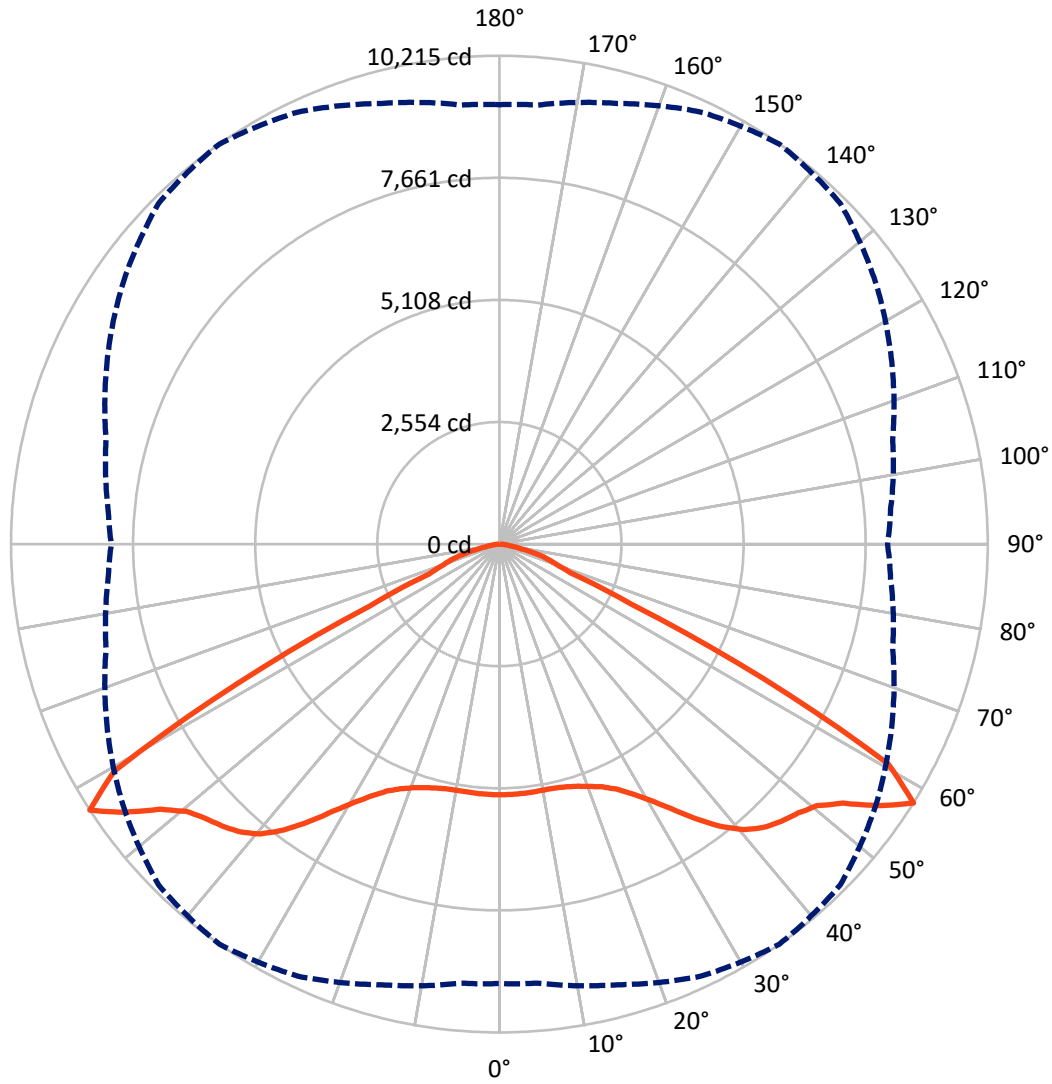
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 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	13704.7	0.0	13704.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13704.7	0.0	13704.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	27409.3	0.0	27409.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	498.9	1.8
10°-20°	1488.5	5.4
20°-30°	2597.2	9.5
30°-40°	4258.8	15.5
40°-50°	6272.3	22.9
50°-60°	8004.5	29.2
60°-70°	3373.5	12.3
70°-80°	805.9	2.9
80°-90°	109.7	0.4
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°	27409.3	100.0
0°-180°	27409.3	100.0

Coefficient of Utilization



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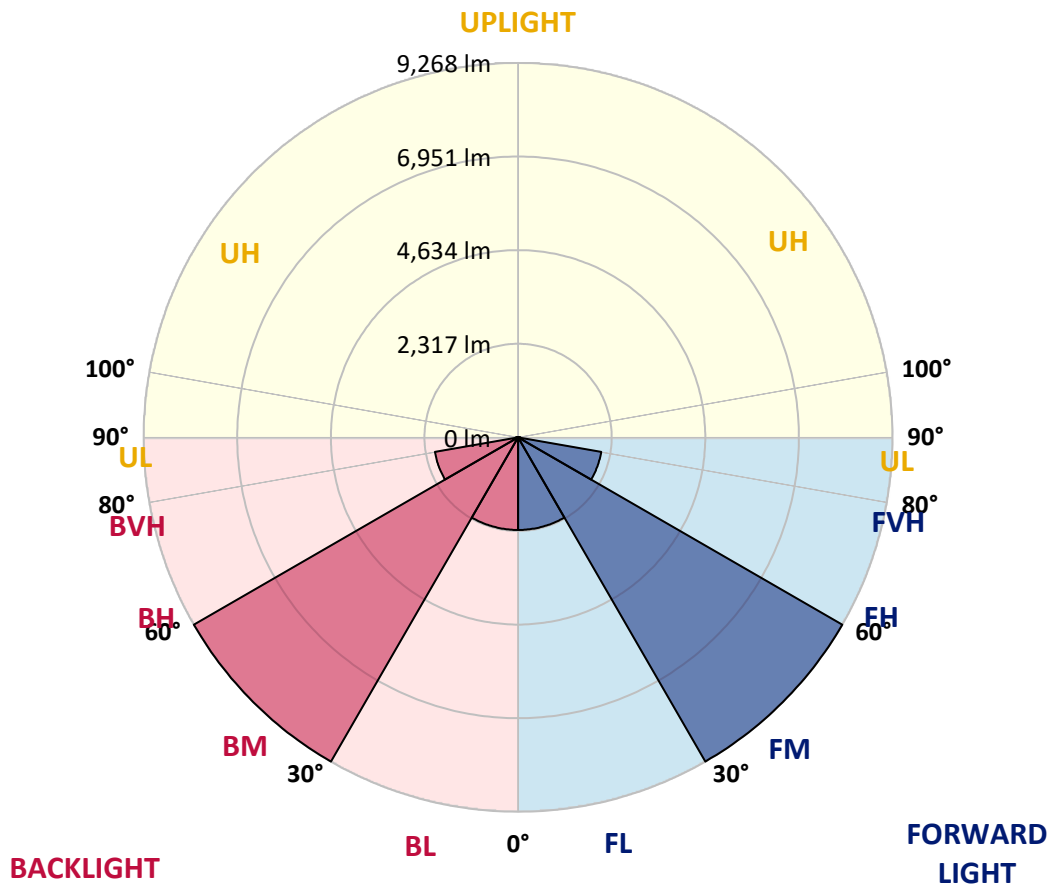
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2292.3	8.4			
FM (30°-60°)	9267.8	33.8			
FH (60°-80°)	2089.7	7.6			G2/5000
FVH (80°-90°)	54.8	0.2			G1/100
BL (0°-30°)	2292.3	8.4	B3/2500		
BM (30°-60°)	9267.8	33.8	B5		
BH (60°-80°)	2089.7	7.6	B3/2500		G2/5000
BVH (80°-90°)	54.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5244.5	5244.5	5244.5	5244.5	5244.5	5244.5	5244.5	5244.5	5244.5	5244.5	5244.5
2.5°	5213.0	5213.0	5224.3	5235.5	5240.0	5260.2	5257.9	5251.2	5246.7	5233.2	5251.2
5°	5224.3	5224.3	5233.2	5240.0	5237.7	5253.4	5246.7	5235.5	5228.7	5215.3	5235.5
7.5°	5222.0	5222.0	5228.7	5235.5	5231.0	5244.5	5233.2	5217.5	5206.3	5192.8	5210.8
10°	5192.8	5197.3	5204.1	5219.8	5226.5	5246.7	5231.0	5206.3	5188.4	5172.6	5190.6
12.5°	5188.4	5192.8	5201.8	5222.0	5233.2	5262.4	5242.2	5201.8	5174.9	5154.7	5172.6
15°	5208.6	5213.0	5226.5	5251.2	5269.1	5300.6	5271.4	5215.3	5177.1	5150.2	5165.9
17.5°	5233.2	5240.0	5260.2	5296.1	5325.2	5358.9	5323.0	5255.7	5201.8	5165.9	5179.4
20°	5260.2	5269.1	5300.6	5354.4	5408.3	5450.9	5406.0	5316.3	5251.2	5204.1	5217.5
22.5°	5307.3	5318.5	5358.9	5435.2	5516.0	5578.8	5522.7	5401.5	5316.3	5255.7	5266.9
25°	5403.8	5417.3	5468.9	5560.9	5675.3	5751.6	5673.1	5536.2	5417.3	5343.2	5354.4
27.5°	5574.3	5581.1	5648.4	5769.6	5911.0	5998.5	5904.2	5742.6	5610.2	5525.0	5533.9
30°	5798.7	5818.9	5886.3	6045.6	6213.9	6330.6	6207.2	6016.4	5863.8	5760.6	5769.6
32.5°	6072.5	6086.0	6187.0	6353.0	6595.4	6730.0	6561.7	6335.1	6151.1	6025.4	6034.4
35°	6431.6	6442.8	6539.3	6750.2	7044.2	7169.9	6976.9	6716.6	6503.4	6384.5	6418.1
37.5°	6860.2	6880.4	6950.0	7158.7	7486.3	7609.7	7387.6	7145.2	6923.0	6813.1	6837.8
40°	7320.2	7318.0	7374.1	7558.1	7856.6	7932.9	7733.2	7540.2	7349.4	7277.6	7318.0
42.5°	7715.2	7704.0	7744.4	7897.0	8103.4	8110.2	7977.8	7870.0	7735.4	7686.0	7724.2
45°	7991.2	7995.7	8056.3	8161.8	8267.3	8211.2	8170.8	8152.8	8047.3	7980.0	7986.7
47.5°	8208.9	8226.9	8323.4	8395.2	8408.6	8314.4	8370.5	8397.4	8309.9	8206.7	8177.5
50°	8401.9	8431.1	8556.7	8633.0	8603.9	8484.9	8594.9	8635.3	8442.3	8244.8	8186.5
52.5°	8752.0	8785.6	8938.2	9037.0	9003.3	8884.4	8987.6	8844.0	8518.6	8276.2	8202.2
55°	9310.8	9326.5	9512.7	9674.3	9658.6	9512.7	9429.7	9111.0	8716.1	8464.7	8395.2
57.5°	9191.8	9218.8	9541.9	9972.8	10215.1	10082.7	9595.8	9052.7	8516.4	8213.4	8119.1
60°	7232.7	7297.8	7699.5	8458.0	9346.7	9344.4	8440.1	7596.3	6950.0	6548.3	6507.9
62.5°	4223.4	4268.3	4634.1	5401.5	6198.2	6247.6	5612.5	5033.5	4468.0	4196.5	4066.3
65°	1999.5	1997.2	2143.1	2488.7	3027.3	3069.9	2879.2	2562.8	2228.4	2136.4	2111.7
67.5°	1476.6	1476.6	1465.4	1490.1	1593.3	1615.8	1593.3	1541.7	1510.3	1530.5	1517.0
70°	1281.4	1283.6	1270.2	1263.4	1263.4	1256.7	1265.7	1285.9	1299.3	1326.3	1312.8
72.5°	1039.0	1041.3	1041.3	1043.5	1045.7	1036.8	1050.2	1061.5	1063.7	1072.7	1063.7
75°	738.3	742.8	756.3	767.5	776.5	776.5	780.9	783.2	774.2	785.4	767.5
77.5°	406.2	410.7	435.4	455.6	475.7	478.0	484.7	489.2	484.7	493.7	480.2
80°	224.4	228.9	240.1	249.1	264.8	278.3	287.2	291.7	291.7	298.5	291.7
82.5°	127.9	132.4	139.1	143.6	157.1	168.3	177.3	184.0	184.0	186.3	181.8
85°	60.6	60.6	65.1	69.6	76.3	80.8	92.0	98.7	98.7	103.2	98.7
87.5°	9.0	11.2	13.5	13.5	18.0	22.4	26.9	29.2	33.7	35.9	35.9
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)