

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: P643238

Luminaire Tested: GWS-SA6E-750-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643238
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-SAGE-750-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27977.4 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

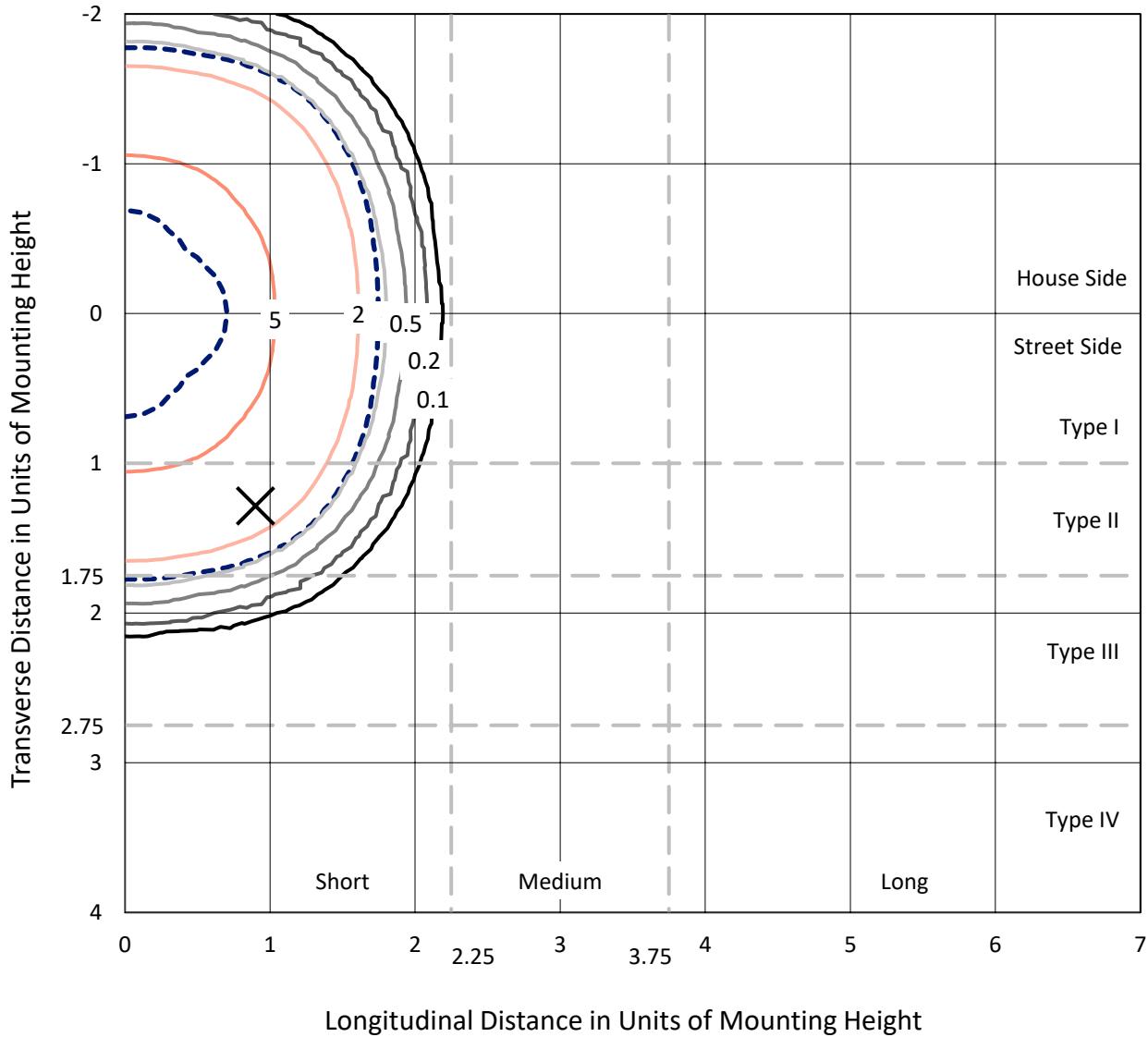
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

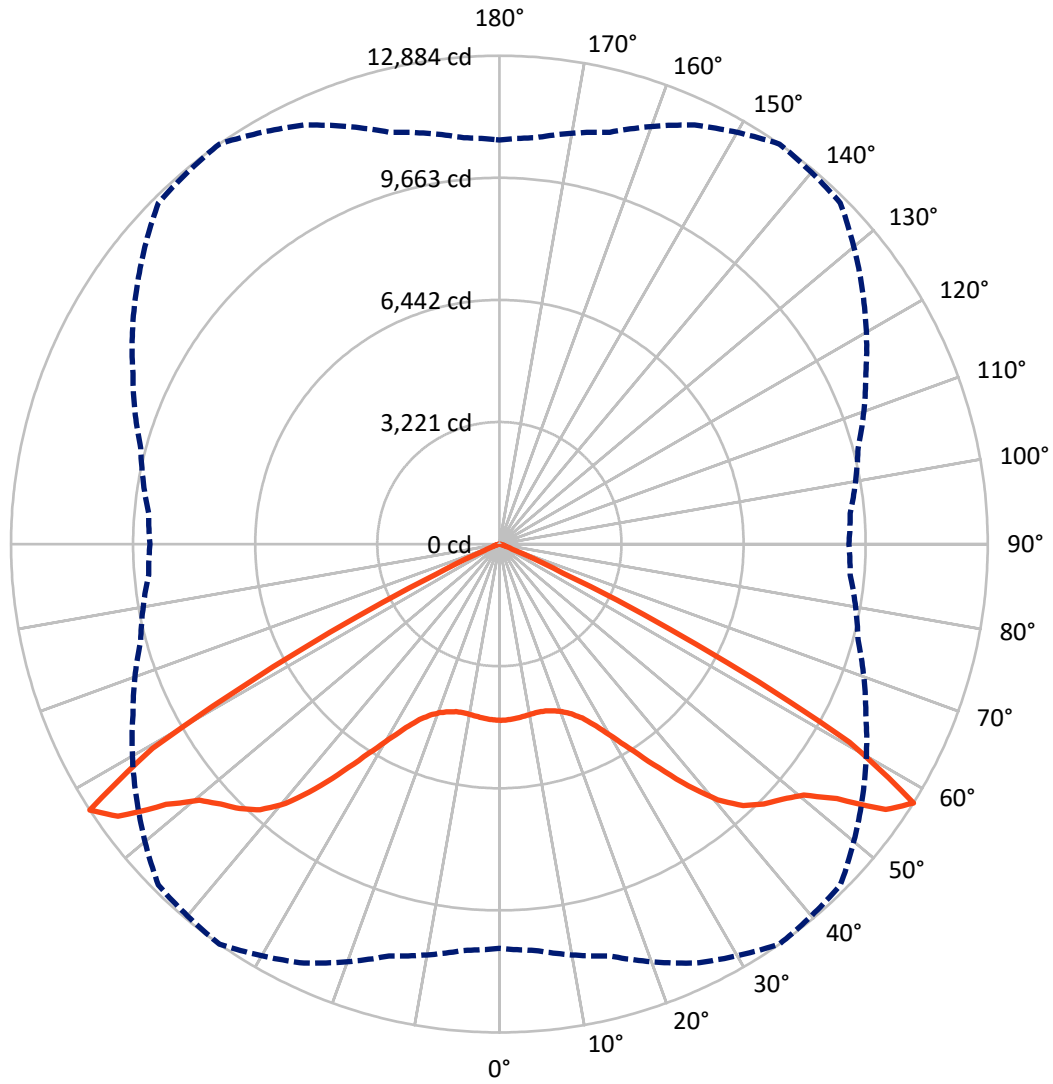
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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	13988.7	0.0	13988.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13988.7	0.0	13988.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	27977.4	0.0	27977.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	438.2	1.6
10°-20°	1289.1	4.6
20°-30°	2330.2	8.3
30°-40°	4347.1	15.5
40°-50°	7292.4	26.1
50°-60°	9630.3	34.4
60°-70°	2557.6	9.1
70°-80°	90.8	0.3
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°	27977.4	100.0
0°-180°	27977.4	100.0

Coefficient of Utilization



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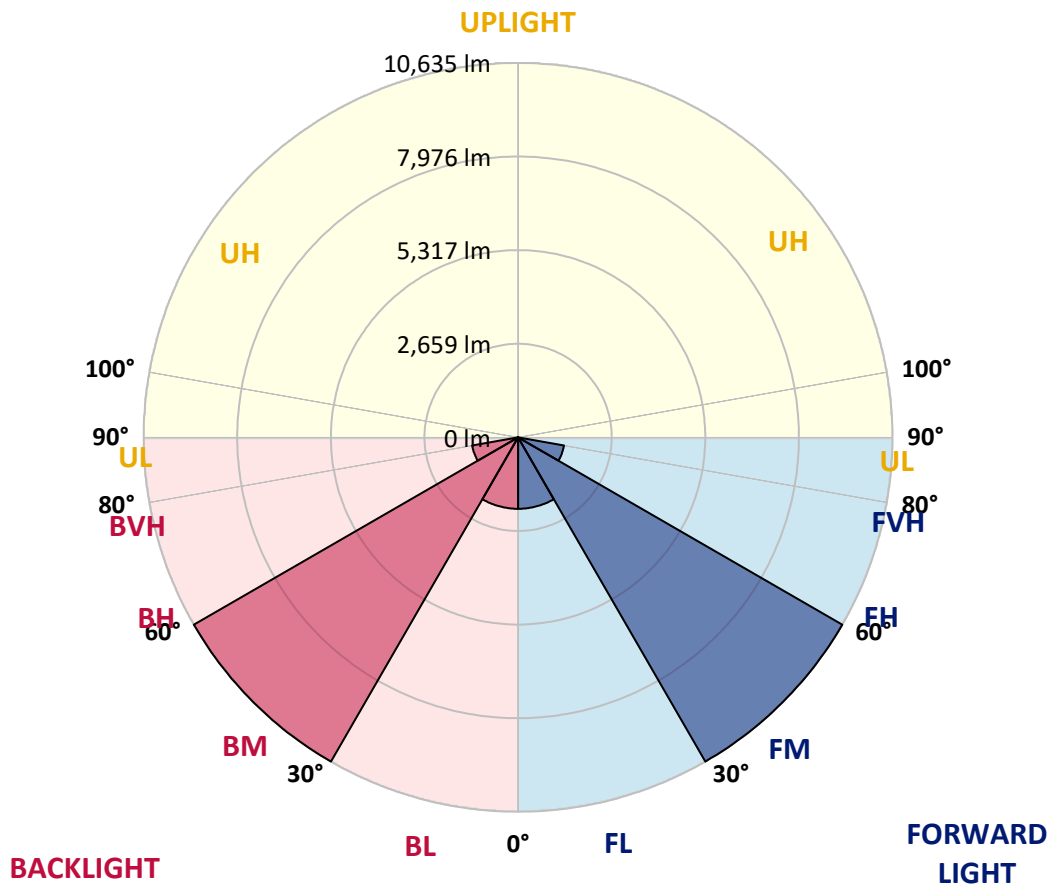
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2028.8	7.3			
FM (30°-60°)	10634.9	38.0			
FH (60°-80°)	1324.2	4.7			G1/1800
FVH (80°-90°)	0.8	0.0			G0/10
BL (0°-30°)	2028.8	7.3	B3/2500		
BM (30°-60°)	10634.9	38.0	B5		
BH (60°-80°)	1324.2	4.7	B3/2500		G1/1800
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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4651.5	4651.5	4651.5	4651.5	4651.5	4651.5	4651.5	4651.5	4651.5	4651.5	4651.5
2.5°	4618.7	4615.4	4628.5	4638.4	4638.4	4661.3	4654.8	4648.2	4641.6	4631.8	4654.8
5°	4612.1	4608.8	4618.7	4625.2	4618.7	4638.4	4625.2	4612.1	4605.5	4592.4	4618.7
7.5°	4582.6	4585.8	4592.4	4599.0	4589.1	4605.5	4589.1	4569.4	4553.0	4539.9	4562.9
10°	4536.6	4539.9	4546.5	4559.6	4562.9	4585.8	4562.9	4526.8	4503.8	4484.1	4507.1
12.5°	4513.6	4516.9	4526.8	4543.2	4546.5	4576.0	4546.5	4493.9	4461.1	4438.1	4461.1
15°	4520.2	4526.8	4539.9	4559.6	4566.1	4595.7	4556.3	4487.4	4441.4	4411.9	4431.6
17.5°	4543.2	4549.7	4569.4	4602.3	4625.2	4654.8	4605.5	4516.9	4454.5	4411.9	4431.6
20°	4572.7	4582.6	4615.4	4667.9	4717.1	4769.7	4707.3	4585.8	4503.8	4451.3	4467.7
22.5°	4654.8	4664.6	4710.6	4779.5	4861.6	4927.2	4851.7	4697.5	4585.8	4516.9	4533.3
25°	4822.2	4832.0	4891.1	4979.8	5084.8	5170.2	5075.0	4881.3	4736.8	4658.1	4664.6
27.5°	5084.8	5094.7	5163.6	5288.3	5429.5	5550.9	5413.1	5186.6	5022.4	4930.5	4930.5
30°	5416.3	5429.5	5521.4	5688.8	5908.7	6069.6	5882.5	5606.7	5396.7	5271.9	5275.2
32.5°	5843.1	5830.0	5961.3	6191.1	6502.9	6716.3	6440.5	6105.7	5846.4	5672.4	5688.8
35°	6391.3	6388.0	6535.7	6847.6	7254.6	7510.7	7182.4	6749.1	6437.2	6260.0	6263.3
37.5°	7097.1	7093.8	7264.5	7602.6	8091.7	8305.1	7937.4	7497.5	7162.7	6992.0	7011.7
40°	7924.3	7904.6	8055.6	8380.6	8869.7	9007.6	8607.1	8252.5	7930.8	7822.5	7875.0
42.5°	8712.1	8669.4	8758.1	9053.5	9431.0	9450.7	9148.7	8905.8	8685.9	8600.5	8633.3
45°	9345.7	9312.8	9394.9	9565.6	9782.3	9683.8	9539.3	9463.8	9286.6	9194.7	9224.2
47.5°	9818.4	9818.4	9916.8	10021.9	10054.7	9874.2	9897.1	9897.1	9719.9	9575.4	9539.3
50°	10225.4	10255.0	10402.7	10511.0	10402.7	10172.9	10304.2	10277.9	9916.8	9628.0	9552.5
52.5°	10875.4	10904.9	11131.4	11279.1	11157.7	10931.2	10947.6	10619.3	10087.5	9746.1	9628.0
55°	11564.7	11636.9	11965.2	12359.1	12362.4	12129.3	11696.0	11115.0	10468.3	10097.4	9975.9
57.5°	10662.0	10760.5	11249.6	12198.3	12884.3	12723.5	11689.5	10668.6	9795.4	9289.9	9220.9
60°	7336.7	7507.4	7996.5	9293.1	10616.0	10678.4	9457.3	8311.6	7310.4	6686.7	6699.9
62.5°	3098.8	3272.8	3548.5	4615.4	5830.0	5905.5	5314.6	4493.9	3676.6	3226.8	3295.8
65°	728.7	778.0	860.1	1276.9	1851.4	1936.8	1785.8	1391.8	1027.5	869.9	886.3
67.5°	318.4	325.0	308.6	328.3	407.0	416.9	403.8	354.5	334.8	341.4	341.4
70°	223.2	226.5	213.4	203.5	193.7	180.5	187.1	206.8	223.2	236.3	233.1
72.5°	137.9	141.2	144.4	144.4	134.6	121.5	128.0	141.2	144.4	147.7	144.4
75°	68.9	72.2	78.8	82.1	78.8	75.5	75.5	78.8	78.8	75.5	75.5
77.5°	13.1	16.4	23.0	26.3	26.3	26.3	26.3	26.3	29.5	26.3	26.3
80°	3.3	3.3	6.6	3.3	3.3	3.3	3.3	3.3	3.3	6.6	6.6
82.5°	3.3	3.3	3.3	3.3	0.0	0.0	3.3	3.3	3.3	3.3	3.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3
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)