

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: P638295

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P638295
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4E-750-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 26437.6 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

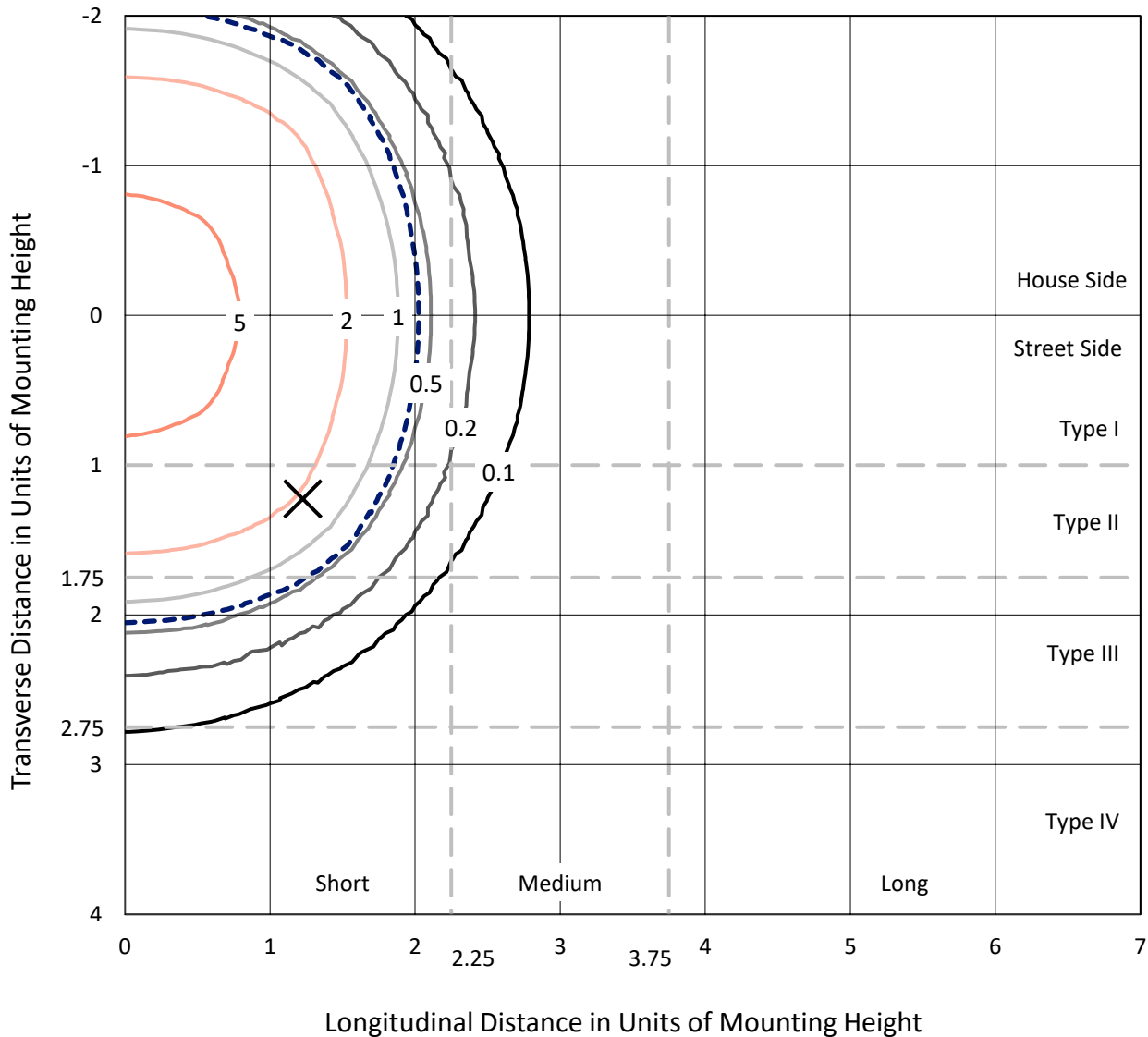
Input Watts (W): 202.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

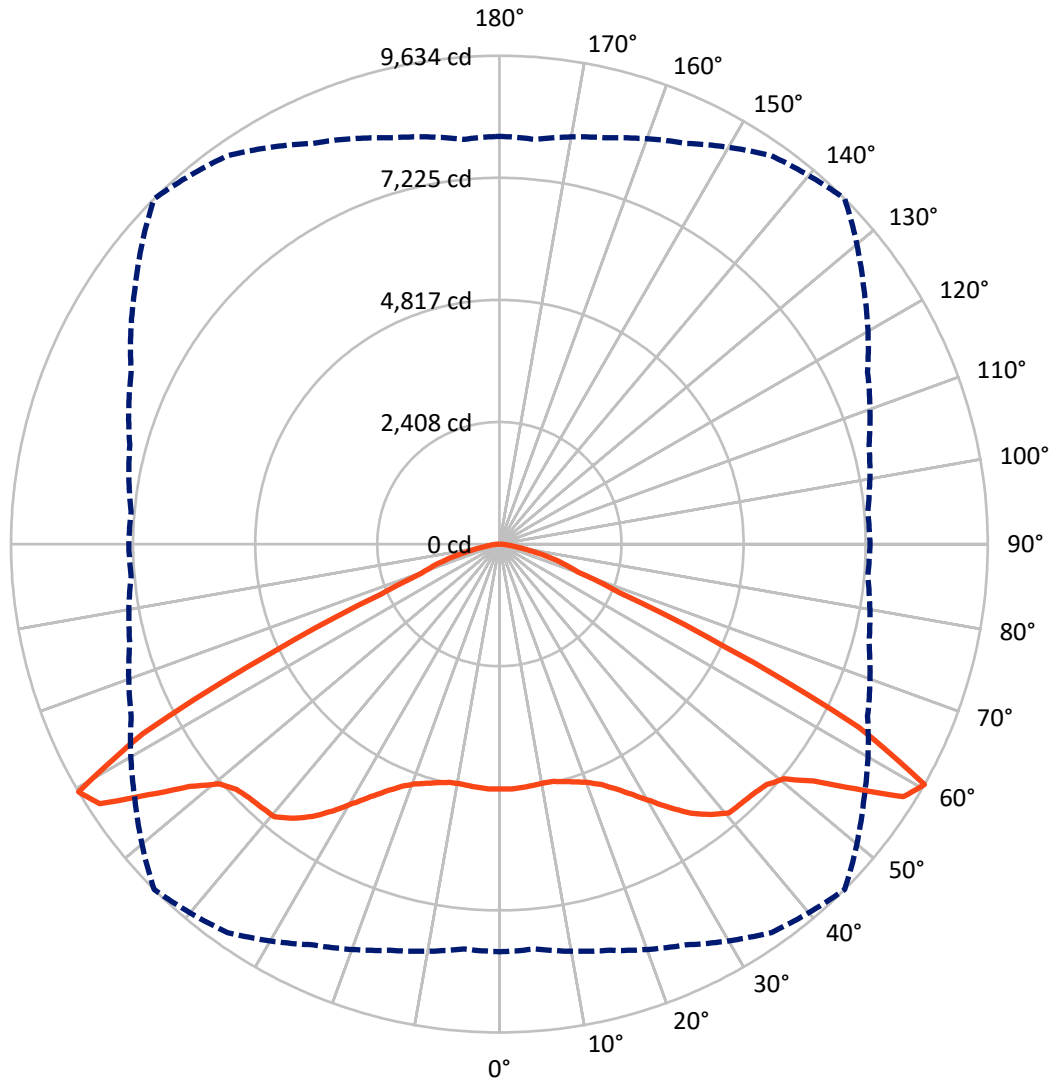
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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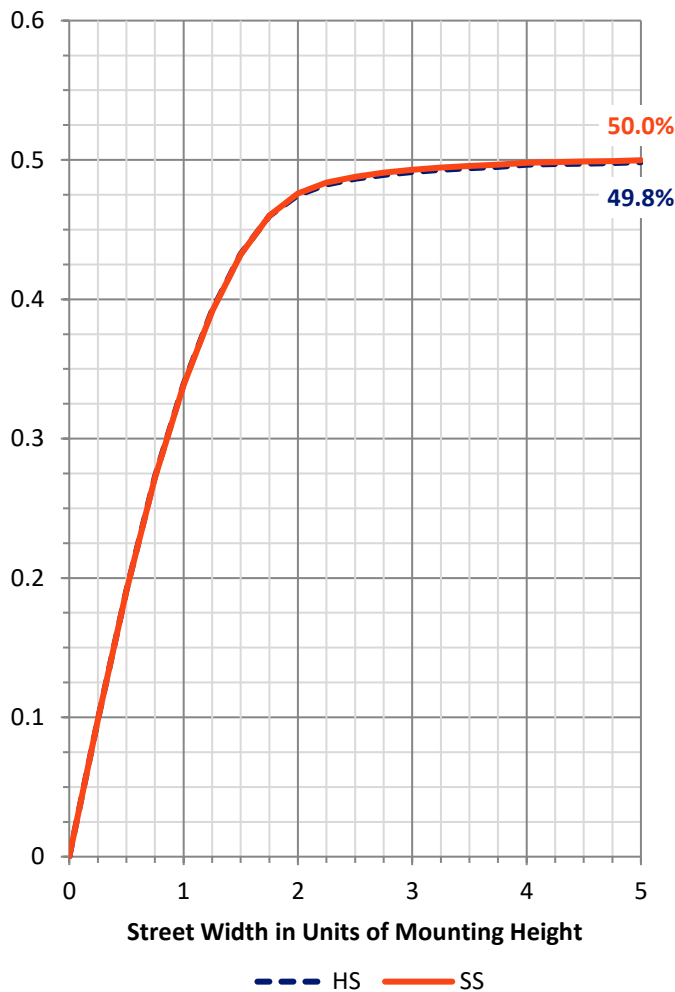
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13218.8	0.0	13218.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13218.8	0.0	13218.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	26437.6	0.0	26437.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	458.2	1.7
10°-20°	1378.2	5.2
20°-30°	2438.2	9.2
30°-40°	3925.6	14.8
40°-50°	5395.6	20.4
50°-60°	7190.2	27.2
60°-70°	4481.3	17.0
70°-80°	1030.5	3.9
80°-90°	139.8	0.5
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°	26437.6	100.0
0°-180°	26437.6	100.0

Coefficient of Utilization



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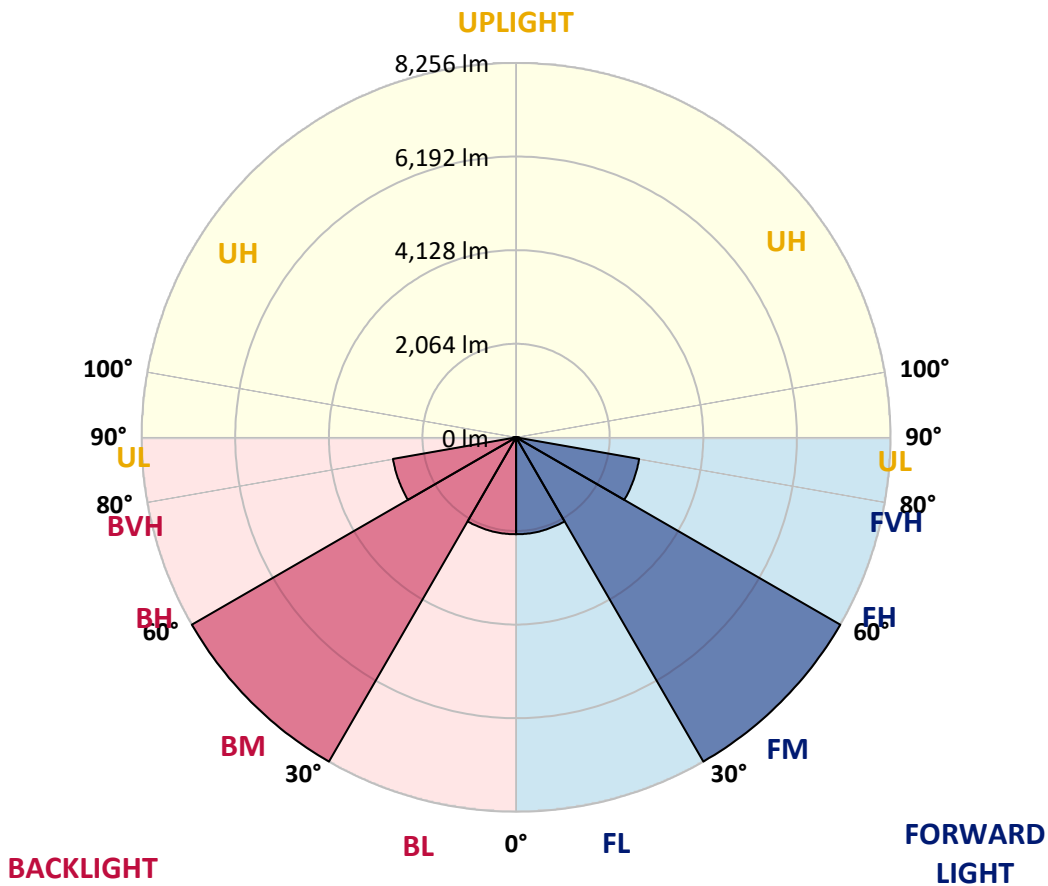
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2137.3	8.1			
FM (30°-60°)	8255.7	31.2			
FH (60°-80°)	2755.9	10.4			G2/5000
FVH (80°-90°)	69.9	0.3			G1/100
BL (0°-30°)	2137.3	8.1	B3/2500		
BM (30°-60°)	8255.7	31.2	B4/8500		
BH (60°-80°)	2755.9	10.4	B4/5000		G2/5000
BVH (80°-90°)	69.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4831.4	4831.4	4831.4	4831.4	4831.4	4831.4	4831.4	4831.4	4831.4	4831.4	4831.4
2.5°	4797.8	4802.3	4811.2	4818.0	4826.9	4835.9	4840.4	4831.4	4826.9	4809.0	4829.2
5°	4802.3	4806.7	4813.5	4813.5	4815.7	4822.5	4822.5	4811.2	4800.0	4779.8	4802.3
7.5°	4795.5	4800.0	4802.3	4800.0	4802.3	4804.5	4800.0	4786.6	4775.3	4757.4	4775.3
10°	4784.3	4788.8	4793.3	4788.8	4784.3	4791.0	4791.0	4782.1	4775.3	4757.4	4777.6
12.5°	4809.0	4815.7	4818.0	4806.7	4802.3	4804.5	4804.5	4795.5	4795.5	4779.8	4802.3
15°	4867.3	4871.8	4865.1	4851.6	4853.9	4860.6	4844.9	4822.5	4818.0	4811.2	4829.2
17.5°	4912.2	4916.7	4910.0	4901.0	4916.7	4932.4	4903.2	4860.6	4847.1	4842.7	4862.9
20°	4961.6	4968.3	4959.3	4970.6	5002.0	5019.9	4984.0	4925.7	4898.8	4892.0	4916.7
22.5°	5042.4	5051.4	5051.4	5076.0	5123.2	5152.3	5107.5	5028.9	4988.5	4977.3	5002.0
25°	5170.3	5177.0	5183.7	5233.1	5309.4	5349.8	5278.0	5170.3	5114.2	5096.2	5109.7
27.5°	5347.6	5358.8	5370.0	5441.8	5536.1	5594.4	5491.2	5356.5	5287.0	5251.1	5278.0
30°	5558.5	5574.2	5601.1	5681.9	5814.3	5879.4	5747.0	5583.2	5504.6	5466.5	5502.4
32.5°	5845.7	5848.0	5868.2	5957.9	6133.0	6207.0	6041.0	5859.2	5778.4	5733.5	5753.7
35°	6186.8	6189.1	6157.7	6249.7	6438.2	6521.2	6326.0	6142.0	6074.6	6061.2	6112.8
37.5°	6536.9	6516.7	6485.3	6525.7	6716.4	6770.3	6563.8	6406.8	6377.6	6402.3	6478.6
40°	6786.0	6752.3	6689.5	6718.7	6911.7	6974.5	6754.6	6606.5	6597.5	6658.1	6750.1
42.5°	6947.6	6911.7	6837.6	6837.6	6970.0	6996.9	6826.4	6747.8	6768.0	6837.6	6925.1
45°	7026.1	7005.9	6963.3	6940.8	7014.9	7026.1	6896.0	6864.5	6902.7	6936.3	7003.7
47.5°	7086.7	7086.7	7073.2	7050.8	7084.5	7091.2	6994.7	6985.7	7035.1	7035.1	7080.0
50°	7194.4	7205.6	7223.6	7219.1	7255.0	7277.4	7205.6	7192.2	7212.4	7147.3	7169.7
52.5°	7477.2	7506.3	7558.0	7598.3	7690.3	7759.9	7632.0	7524.3	7418.8	7275.2	7279.7
55°	7984.3	7997.8	8098.8	8217.7	8372.5	8513.9	8251.4	7917.0	7688.1	7519.8	7522.0
57.5°	8412.9	8433.1	8581.2	8830.3	9178.2	9398.1	8816.9	8258.1	7935.0	7728.5	7735.2
60°	8042.7	8015.7	8296.2	8722.6	9353.2	9633.7	8776.5	8013.5	7549.0	7293.2	7311.1
62.5°	6222.7	6171.1	6483.1	6929.6	7685.9	7966.4	7176.5	6444.9	6005.1	5805.4	5776.2
65°	3788.0	3740.8	3965.2	4239.0	4750.6	4927.9	4566.6	4178.4	3794.7	3673.5	3639.8
67.5°	2062.3	2055.5	2116.1	2250.8	2475.2	2558.2	2488.6	2304.6	2205.9	2120.6	2120.6
70°	1635.9	1622.4	1611.2	1613.5	1633.7	1644.9	1647.1	1638.2	1649.4	1651.6	1642.6
72.5°	1355.4	1350.9	1328.5	1330.7	1321.7	1317.3	1333.0	1341.9	1359.9	1362.1	1362.1
75°	982.9	971.7	982.9	985.1	976.2	976.2	987.4	985.1	994.1	998.6	973.9
77.5°	558.8	558.8	574.5	592.4	605.9	605.9	617.1	617.1	628.3	626.1	621.6
80°	307.4	307.4	316.4	327.6	341.1	354.6	365.8	368.0	374.8	372.5	365.8
82.5°	175.0	177.3	181.8	188.5	202.0	213.2	224.4	226.6	233.4	233.4	226.6
85°	83.0	80.8	83.0	87.5	94.2	103.2	114.4	121.2	125.7	125.7	121.2
87.5°	15.7	18.0	15.7	18.0	20.2	26.9	31.4	35.9	42.6	44.9	40.4
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)