

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: P640656

Luminaire Tested: GWS-SA5E-735-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640656
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-SA5E-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26054.6 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

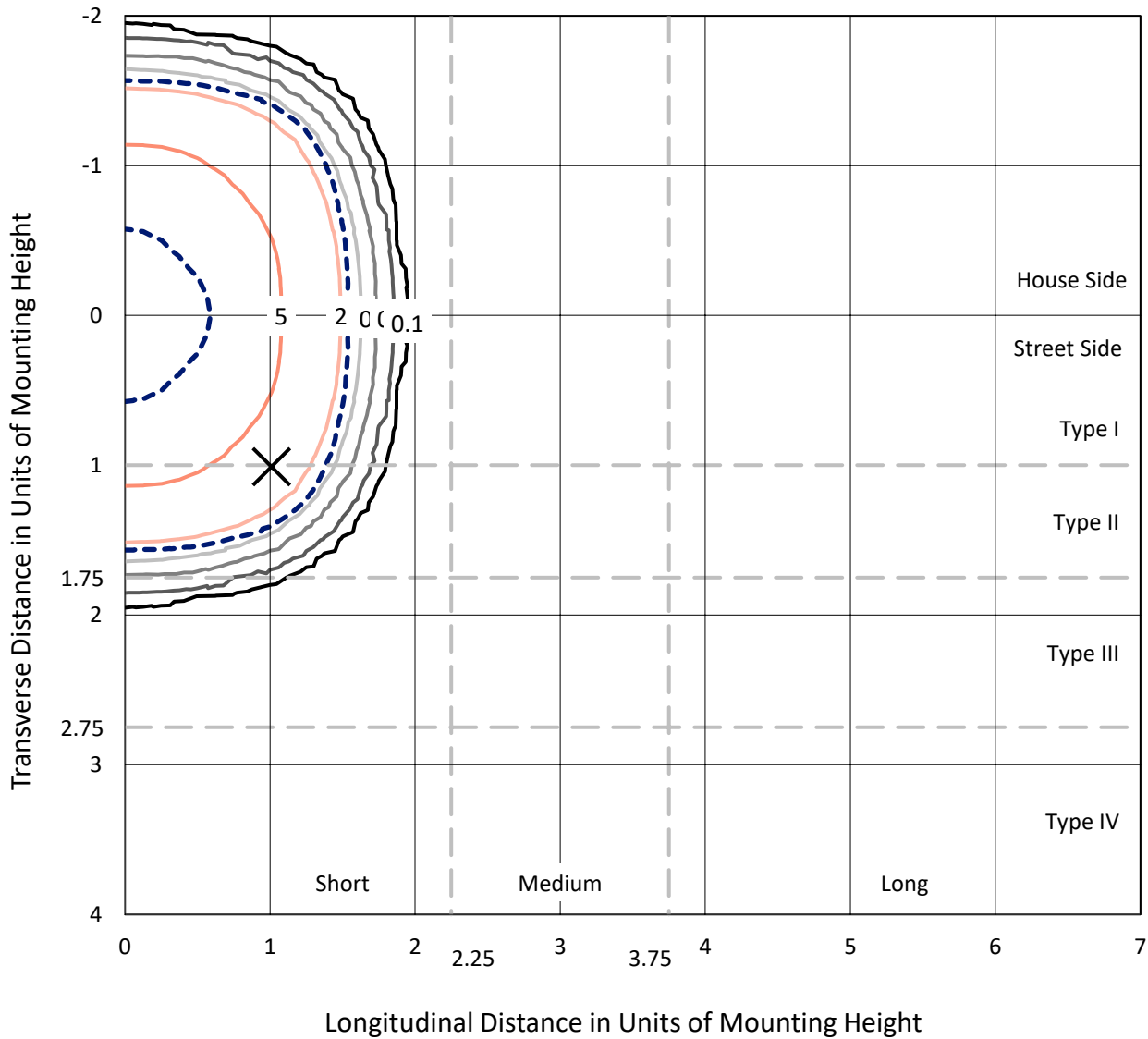
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

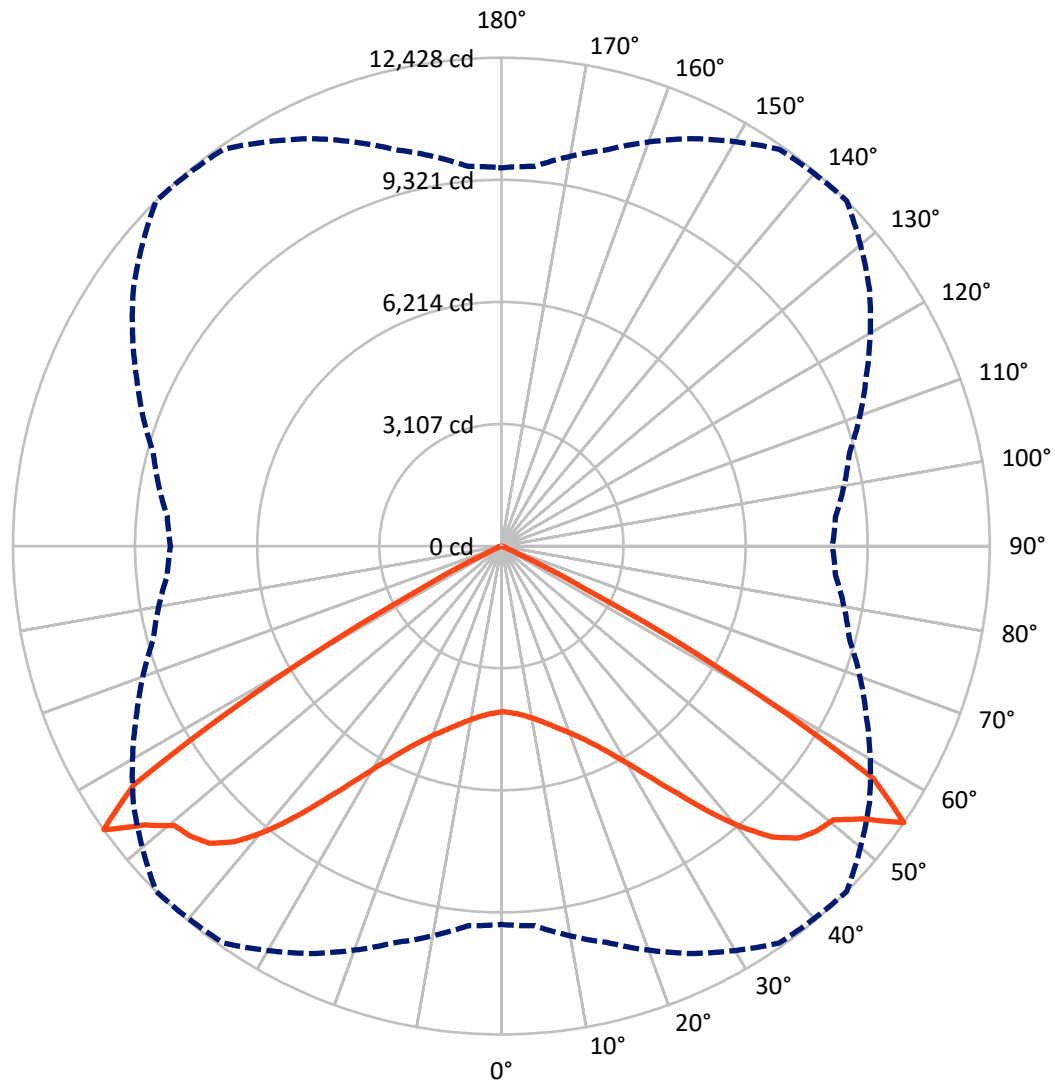
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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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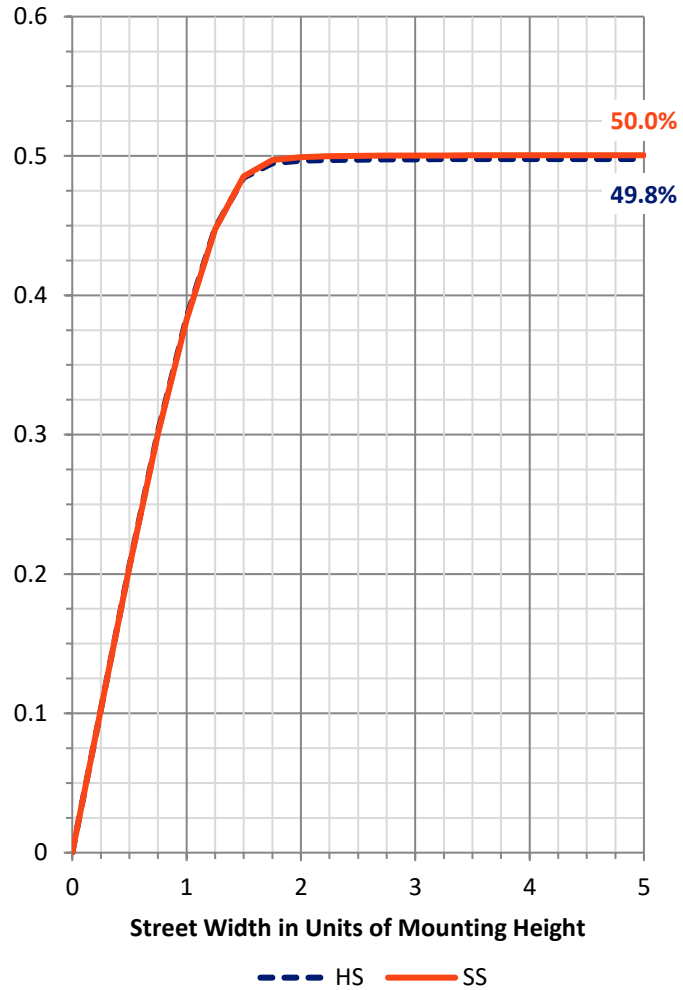
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13027.3	0.0	13027.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13027.3	0.0	13027.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	26054.6	0.0	26054.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.7	1.6
10°-20°	1337.9	5.1
20°-30°	2591.0	9.9
30°-40°	4641.9	17.8
40°-50°	7782.5	29.9
50°-60°	8330.8	32.0
60°-70°	915.4	3.5
70°-80°	40.3	0.2
80°-90°	1.9	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°	26054.6	100.0
0°-180°	26054.6	100.0

Coefficient of Utilization



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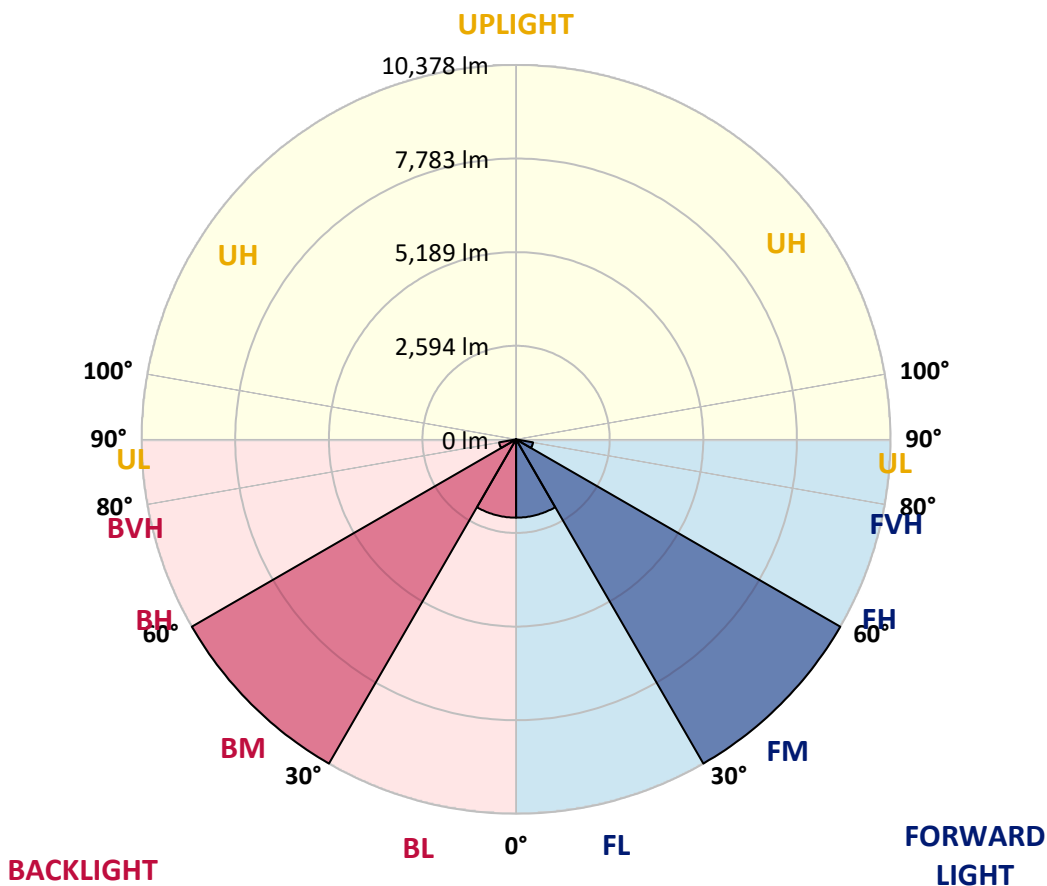
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2170.8	8.3			
FM (30°-60°)	10377.7	39.8			
FH (60°-80°)	477.9	1.8			G0/660
FVH (80°-90°)	1.0	0.0			G0/10
BL (0°-30°)	2170.8	8.3	B3/2500		
BM (30°-60°)	10377.7	39.8	B5		
BH (60°-80°)	477.9	1.8	B1/500		G0/660
BVH (80°-90°)	1.0	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°	4212.5	4212.5	4212.5	4212.5	4212.5	4212.5	4212.5	4212.5	4212.5	4212.5	4212.5
2.5°	4204.6	4204.6	4215.2	4223.1	4223.1	4244.4	4236.4	4228.5	4228.5	4217.8	4239.1
5°	4265.6	4263.0	4273.6	4278.9	4268.3	4289.5	4276.2	4268.3	4263.0	4252.3	4273.6
7.5°	4332.0	4334.6	4337.3	4347.9	4342.6	4363.8	4353.2	4337.3	4332.0	4316.0	4337.3
10°	4411.6	4411.6	4416.9	4430.2	4432.8	4459.4	4448.8	4430.2	4414.3	4398.3	4419.6
12.5°	4512.5	4515.1	4523.1	4541.7	4552.3	4581.5	4565.6	4528.4	4504.5	4485.9	4509.8
15°	4658.5	4655.8	4666.4	4693.0	4706.2	4727.5	4703.6	4653.2	4624.0	4602.7	4618.6
17.5°	4817.7	4817.7	4823.0	4849.6	4868.2	4900.0	4870.8	4809.8	4783.2	4754.0	4769.9
20°	4992.9	5000.9	5006.2	5024.8	5056.6	5088.5	5064.6	5003.5	4974.3	4937.2	4955.8
22.5°	5223.9	5215.9	5218.5	5250.4	5295.5	5327.4	5308.8	5237.1	5186.7	5157.5	5168.1
25°	5481.3	5478.7	5486.6	5534.4	5584.8	5619.4	5592.8	5499.9	5449.5	5399.0	5420.3
27.5°	5797.2	5799.9	5805.2	5863.6	5943.2	5993.6	5927.3	5834.4	5765.3	5699.0	5714.9
30°	6171.5	6166.2	6182.1	6261.7	6378.5	6458.1	6381.2	6251.1	6152.9	6089.2	6097.1
32.5°	6569.6	6574.9	6617.4	6744.8	6898.8	7039.5	6882.8	6710.3	6582.9	6463.5	6479.4
35°	6999.6	7012.9	7108.5	7296.9	7549.1	7737.6	7519.9	7235.9	7055.4	6901.4	6906.7
37.5°	7506.6	7538.5	7671.2	7952.6	8313.6	8565.7	8247.2	7870.3	7636.7	7445.6	7432.3
40°	8172.9	8210.0	8390.5	8725.0	9163.0	9393.9	9024.9	8637.4	8348.1	8141.0	8109.2
42.5°	8937.4	8985.1	9181.6	9524.0	9961.9	10118.6	9757.6	9431.1	9170.9	8926.7	8916.1
45°	9800.0	9826.6	9985.8	10248.6	10564.5	10601.7	10330.9	10150.4	9887.6	9659.3	9640.8
47.5°	10609.6	10636.2	10745.0	10880.4	10954.7	10822.0	10774.2	10694.6	10354.8	10073.4	10015.0
50°	11225.4	11246.7	11382.1	11435.1	11228.1	10946.7	11039.6	10869.8	10500.8	10184.9	10094.7
52.5°	11183.0	11236.1	11583.8	11886.4	11756.3	11528.0	11278.5	10912.2	10338.9	9906.2	9794.7
55°	9627.5	9699.2	10445.0	11440.4	12329.7	12427.9	11429.8	10248.6	9170.9	8536.5	8422.4
57.5°	6187.4	6206.0	7116.4	8512.6	10516.7	11148.5	9478.8	7726.9	6386.5	5688.4	5640.6
60°	2274.8	2237.7	2925.1	4082.5	6057.3	6726.2	5579.5	3907.3	2787.1	2293.4	2253.6
62.5°	546.8	552.1	684.8	1027.3	1900.5	2351.8	1858.1	1037.9	660.9	554.8	549.5
65°	276.1	270.7	273.4	294.6	406.1	485.8	398.2	281.4	270.7	273.4	270.7
67.5°	177.8	175.2	180.5	183.2	180.5	169.9	167.2	172.5	172.5	175.2	169.9
70°	108.8	106.2	111.5	119.4	114.1	100.9	106.2	111.5	106.2	103.5	103.5
72.5°	58.4	58.4	63.7	69.0	63.7	58.4	58.4	61.1	58.4	58.4	58.4
75°	26.5	26.5	29.2	31.9	26.5	26.5	26.5	26.5	26.5	26.5	26.5
77.5°	8.0	8.0	10.6	10.6	8.0	8.0	8.0	8.0	10.6	10.6	10.6
80°	2.7	5.3	5.3	2.7	2.7	2.7	2.7	2.7	5.3	5.3	5.3
82.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
85°	2.7	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7
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)