

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: P640984

Luminaire Tested: GWS-SA5F-722-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640984
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-SA5F-722-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26919.3 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 310.3
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

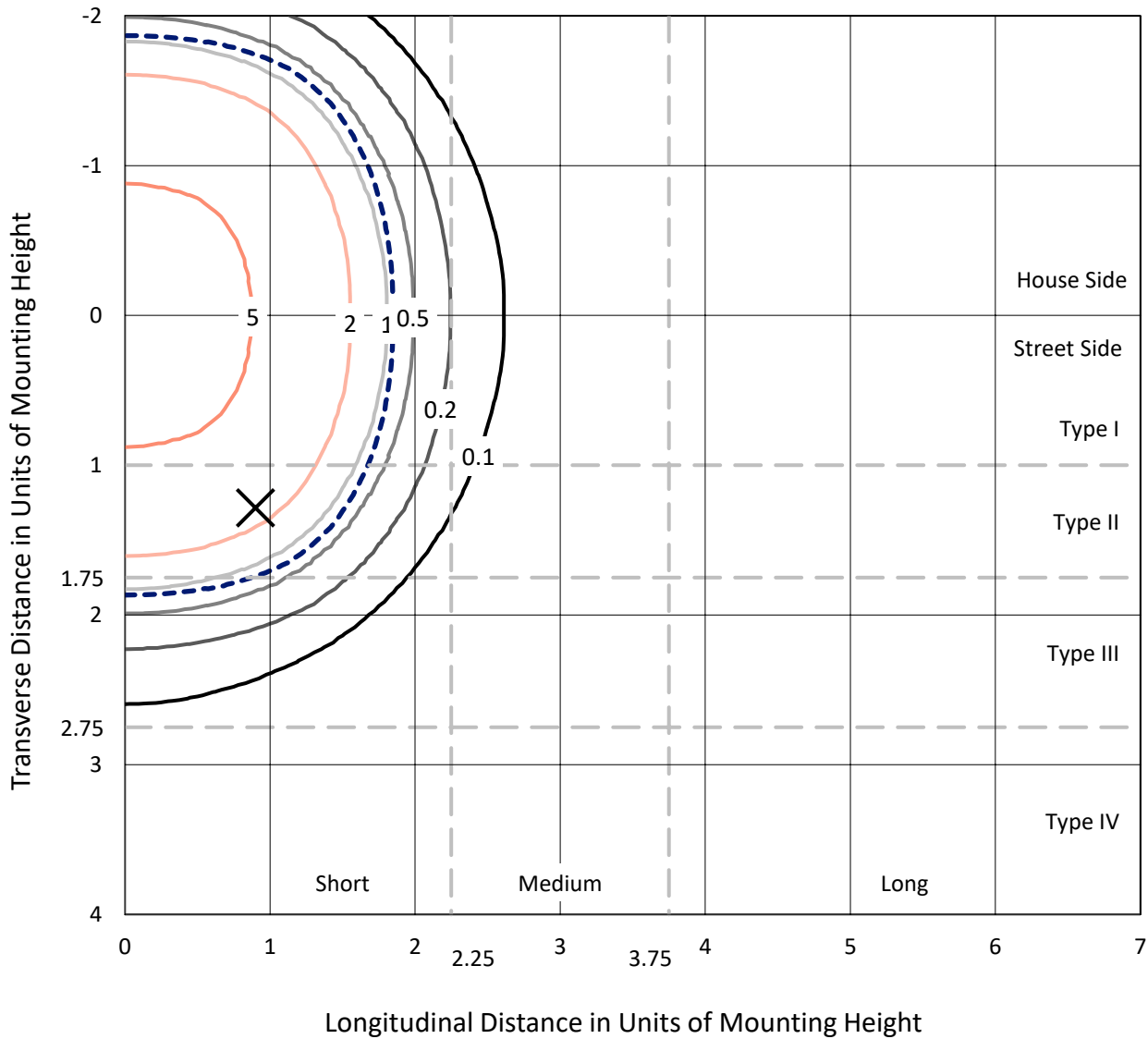


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Iso-Footcandle Lines of Horizontal Illumination

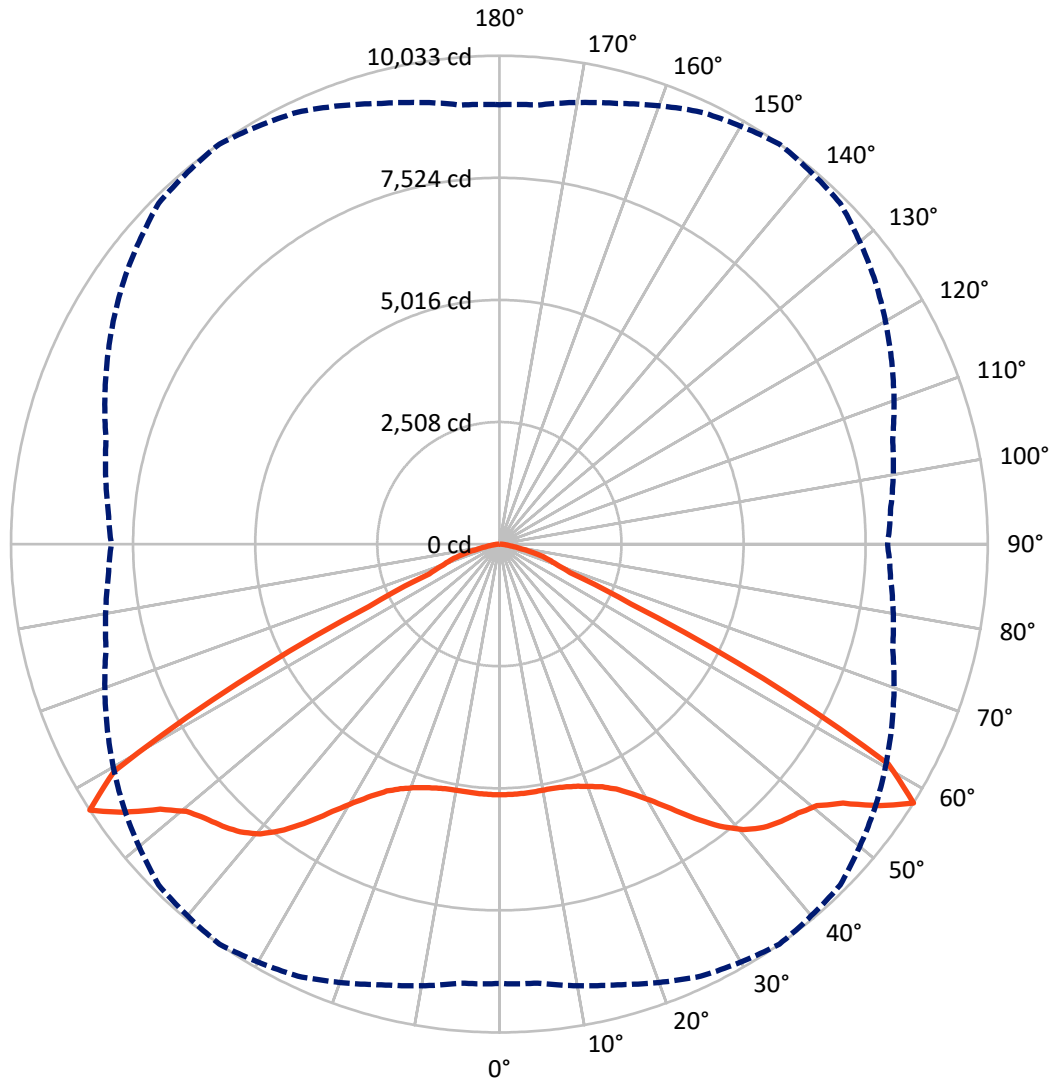
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 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	13459.7	0.0	13459.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13459.7	0.0	13459.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	26919.3	0.0	26919.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	490.0	1.8
10°-20°	1461.9	5.4
20°-30°	2550.8	9.5
30°-40°	4182.7	15.5
40°-50°	6160.2	22.9
50°-60°	7861.4	29.2
60°-70°	3313.1	12.3
70°-80°	791.4	2.9
80°-90°	107.7	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°	26919.3	100.0
0°-180°	26919.3	100.0

Coefficient of Utilization



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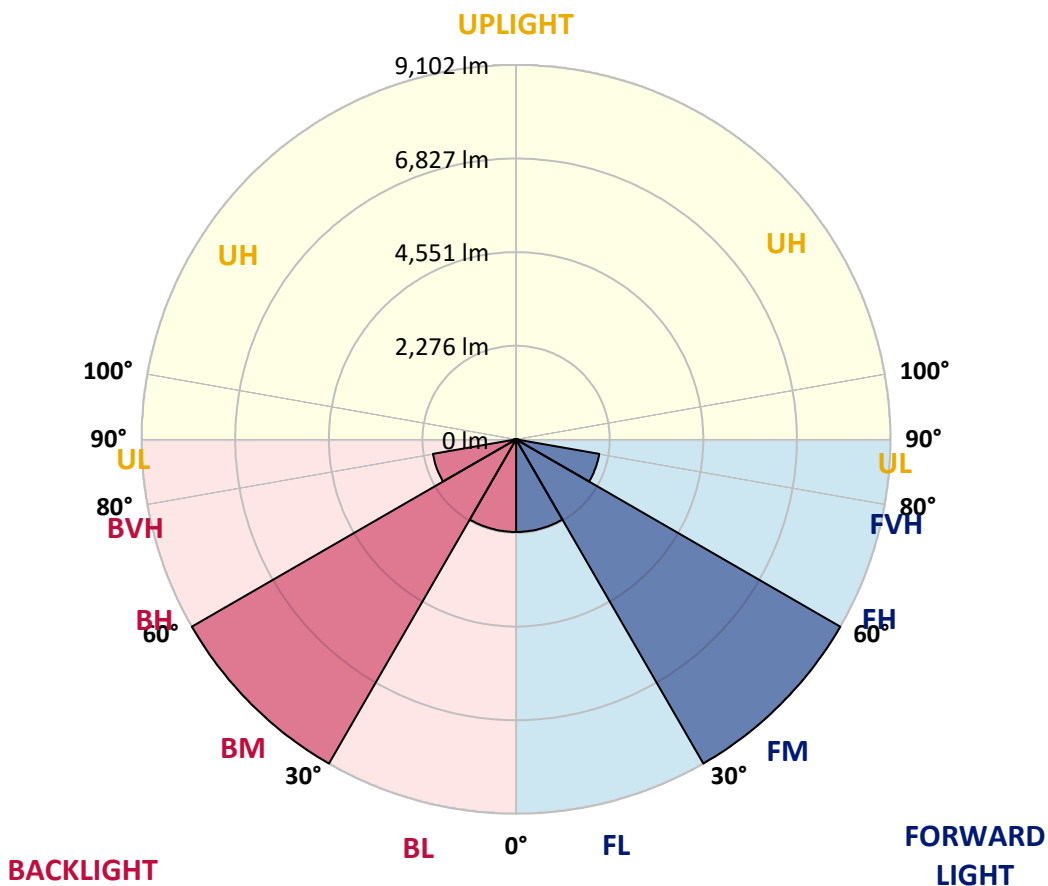
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2251.3	8.4			
FM (30°-60°)	9102.2	33.8			
FH (60°-80°)	2052.3	7.6			G2/5000
FVH (80°-90°)	53.9	0.2			G1/100
BL (0°-30°)	2251.3	8.4	B3/2500		
BM (30°-60°)	9102.2	33.8	B5		
BH (60°-80°)	2052.3	7.6	B3/2500		G2/5000
BVH (80°-90°)	53.9	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°	5150.7	5150.7	5150.7	5150.7	5150.7	5150.7	5150.7	5150.7	5150.7	5150.7	5150.7
2.5°	5119.8	5119.8	5130.9	5141.9	5146.3	5166.1	5163.9	5157.3	5152.9	5139.7	5157.3
5°	5130.9	5130.9	5139.7	5146.3	5144.1	5159.5	5152.9	5141.9	5135.3	5122.0	5141.9
7.5°	5128.7	5128.7	5135.3	5141.9	5137.5	5150.7	5139.7	5124.3	5113.2	5100.0	5117.6
10°	5100.0	5104.4	5111.0	5126.5	5133.1	5152.9	5137.5	5113.2	5095.6	5080.2	5097.8
12.5°	5095.6	5100.0	5108.8	5128.7	5139.7	5168.3	5148.5	5108.8	5082.4	5062.5	5080.2
15°	5115.4	5119.8	5133.1	5157.3	5174.9	5205.8	5177.1	5122.0	5084.6	5058.1	5073.6
17.5°	5139.7	5146.3	5166.1	5201.4	5230.0	5263.1	5227.8	5161.7	5108.8	5073.6	5086.8
20°	5166.1	5174.9	5205.8	5258.7	5311.6	5353.5	5309.4	5221.2	5157.3	5111.0	5124.3
22.5°	5212.4	5223.4	5263.1	5338.0	5417.4	5479.1	5424.0	5305.0	5221.2	5161.7	5172.7
25°	5307.2	5320.4	5371.1	5461.5	5573.9	5648.8	5571.7	5437.2	5320.4	5247.7	5258.7
27.5°	5474.7	5481.3	5547.4	5666.4	5805.3	5891.2	5798.7	5640.0	5509.9	5426.2	5435.0
30°	5695.1	5714.9	5781.0	5937.5	6102.8	6217.4	6096.2	5908.9	5759.0	5657.6	5666.4
32.5°	5964.0	5977.2	6076.4	6239.5	6477.5	6609.7	6444.4	6221.8	6041.1	5917.7	5926.5
35°	6316.6	6327.6	6422.4	6629.6	6918.3	7041.7	6852.2	6596.5	6387.1	6270.3	6303.4
37.5°	6737.6	6757.4	6825.7	7030.7	7352.5	7473.7	7255.5	7017.5	6799.3	6691.3	6715.5
40°	7189.4	7187.2	7242.3	7423.0	7716.1	7791.1	7594.9	7405.4	7218.0	7147.5	7187.2
42.5°	7577.3	7566.3	7605.9	7755.8	7958.6	7965.2	7835.1	7729.4	7597.1	7548.6	7586.1
45°	7848.4	7852.8	7912.3	8015.9	8119.5	8064.4	8024.7	8007.1	7903.5	7837.4	7844.0
47.5°	8062.2	8079.8	8174.6	8245.1	8258.3	8165.7	8220.8	8247.3	8161.3	8060.0	8031.3
50°	8251.7	8280.4	8403.8	8478.7	8450.1	8333.2	8441.2	8480.9	8291.4	8097.4	8040.1
52.5°	8595.5	8628.6	8778.5	8875.4	8842.4	8725.6	8826.9	8685.9	8366.3	8128.3	8055.5
55°	9144.3	9159.7	9342.7	9501.4	9485.9	9342.7	9261.1	8948.2	8560.3	8313.4	8245.1
57.5°	9027.5	9053.9	9371.3	9794.5	10032.5	9902.5	9424.2	8890.9	8364.1	8066.6	7974.0
60°	7103.4	7167.3	7561.9	8306.8	9179.6	9177.4	8289.2	7460.5	6825.7	6431.2	6391.5
62.5°	4147.9	4192.0	4551.2	5305.0	6087.4	6135.9	5512.2	4943.5	4388.1	4121.4	3993.6
65°	1963.7	1961.5	2104.8	2444.2	2973.2	3015.0	2827.7	2516.9	2188.6	2098.2	2073.9
67.5°	1450.2	1450.2	1439.2	1463.4	1564.8	1586.9	1564.8	1514.1	1483.3	1503.1	1489.9
70°	1258.5	1260.7	1247.5	1240.8	1240.8	1234.2	1243.0	1262.9	1276.1	1302.6	1289.3
72.5°	1020.4	1022.6	1022.6	1024.9	1027.1	1018.2	1031.5	1042.5	1044.7	1053.5	1044.7
75°	725.1	729.5	742.7	753.8	762.6	762.6	767.0	769.2	760.4	771.4	753.8
77.5°	398.9	403.3	427.6	447.4	467.2	469.4	476.1	480.5	476.1	484.9	471.7
80°	220.4	224.8	235.8	244.6	260.1	273.3	282.1	286.5	286.5	293.1	286.5
82.5°	125.6	130.0	136.6	141.1	154.3	165.3	174.1	180.7	180.7	182.9	178.5
85°	59.5	59.5	63.9	68.3	74.9	79.3	90.4	97.0	97.0	101.4	97.0
87.5°	8.8	11.0	13.2	13.2	17.6	22.0	26.4	28.7	33.1	35.3	35.3
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)