

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: P640324

Luminaire Tested: GWS-SA5D-760-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640324
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-SA5D-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26537.4 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

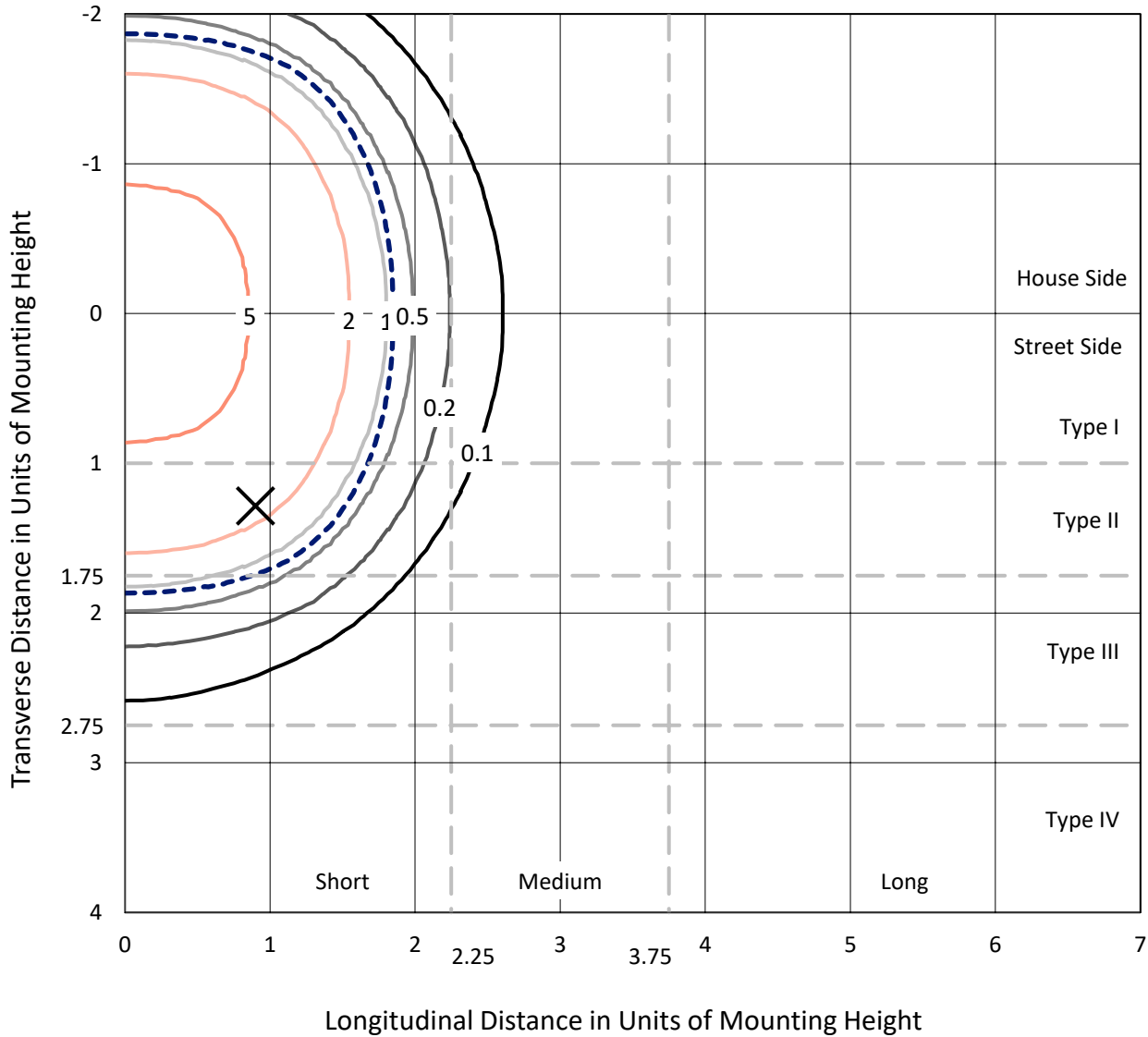
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

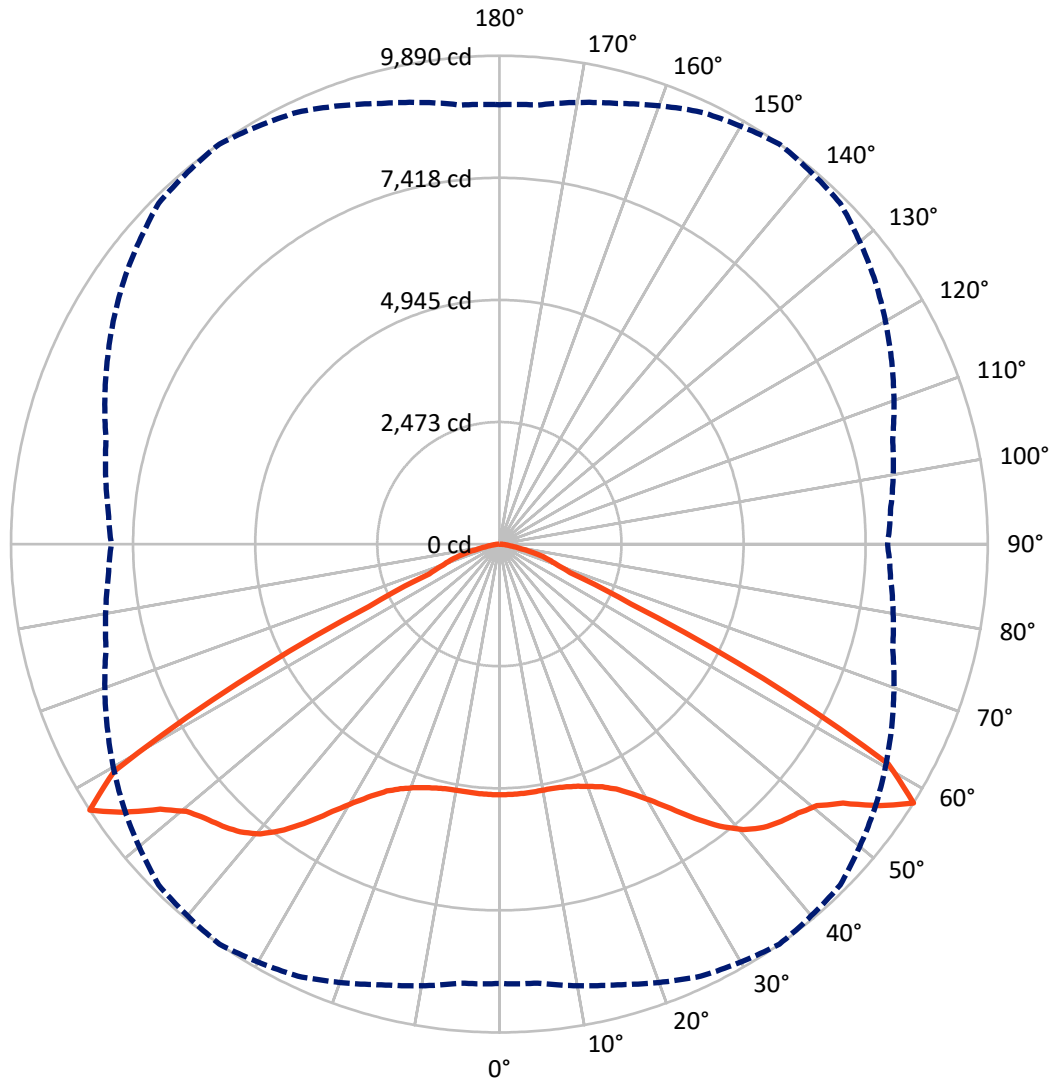
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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	13268.7	0.0	13268.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13268.7	0.0	13268.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	26537.4	0.0	26537.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	483.0	1.8
10°-20°	1441.2	5.4
20°-30°	2514.6	9.5
30°-40°	4123.4	15.5
40°-50°	6072.8	22.9
50°-60°	7749.9	29.2
60°-70°	3266.1	12.3
70°-80°	780.2	2.9
80°-90°	106.2	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°	26537.4	100.0
0°-180°	26537.4	100.0

Coefficient of Utilization



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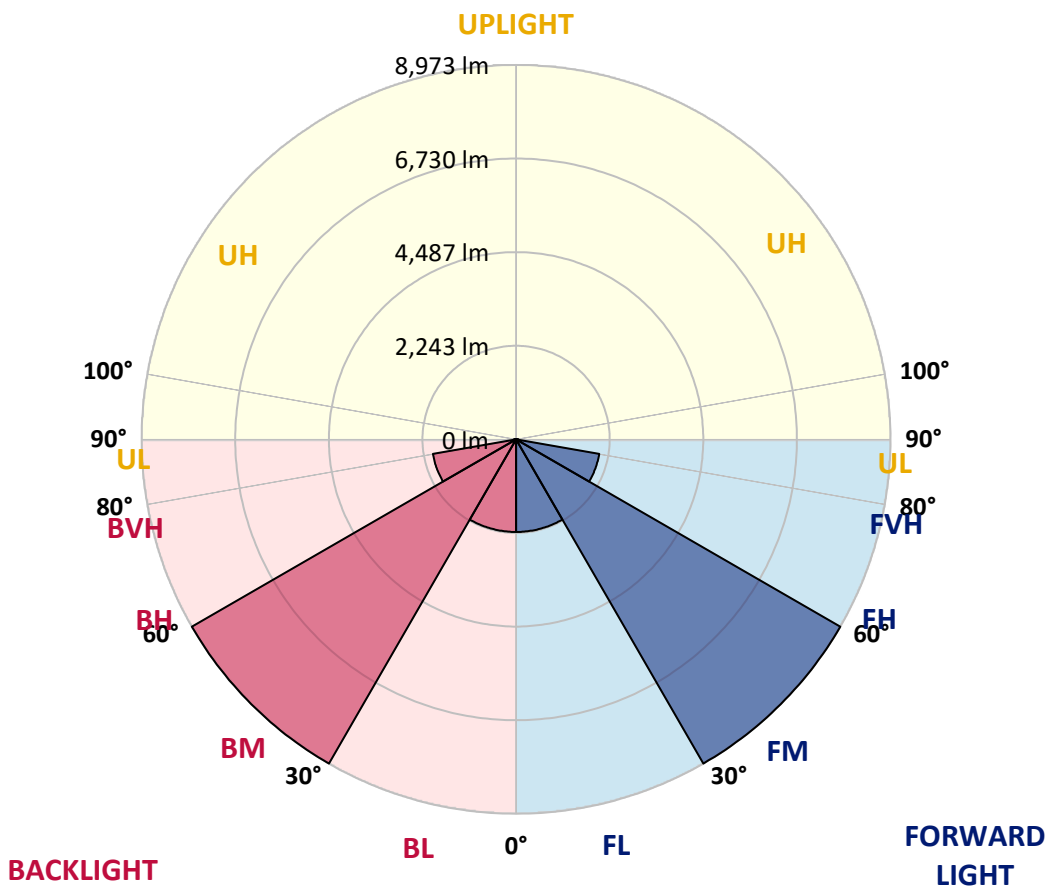
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2219.4	8.4			
FM (30°-60°)	8973.0	33.8			
FH (60°-80°)	2023.2	7.6			G2/5000
FVH (80°-90°)	53.1	0.2			G1/100
BL (0°-30°)	2219.4	8.4	B3/2500		
BM (30°-60°)	8973.0	33.8	B5		
BH (60°-80°)	2023.2	7.6	B3/2500		G2/5000
BVH (80°-90°)	53.1	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°	5077.6	5077.6	5077.6	5077.6	5077.6	5077.6	5077.6	5077.6	5077.6	5077.6	5077.6
2.5°	5047.2	5047.2	5058.1	5068.9	5073.3	5092.8	5090.7	5084.1	5079.8	5066.8	5084.1
5°	5058.1	5058.1	5066.8	5073.3	5071.1	5086.3	5079.8	5068.9	5062.4	5049.4	5068.9
7.5°	5055.9	5055.9	5062.4	5068.9	5064.6	5077.6	5066.8	5051.6	5040.7	5027.7	5045.0
10°	5027.7	5032.0	5038.5	5053.7	5060.2	5079.8	5064.6	5040.7	5023.3	5008.1	5025.5
12.5°	5023.3	5027.7	5036.3	5055.9	5066.8	5095.0	5075.5	5036.3	5010.3	4990.7	5008.1
15°	5042.9	5047.2	5060.2	5084.1	5101.5	5131.9	5103.7	5049.4	5012.4	4986.4	5001.6
17.5°	5066.8	5073.3	5092.8	5127.6	5155.8	5188.4	5153.7	5088.5	5036.3	5001.6	5014.6
20°	5092.8	5101.5	5131.9	5184.1	5236.2	5277.5	5234.1	5147.2	5084.1	5038.5	5051.6
22.5°	5138.5	5149.3	5188.4	5262.3	5340.5	5401.4	5347.0	5229.7	5147.2	5088.5	5099.4
25°	5231.9	5244.9	5294.9	5384.0	5494.8	5568.7	5492.6	5360.1	5244.9	5173.2	5184.1
27.5°	5397.0	5403.5	5468.7	5586.0	5722.9	5807.7	5716.4	5560.0	5431.8	5349.2	5357.9
30°	5614.3	5633.8	5699.0	5853.3	6016.2	6129.2	6009.7	5825.0	5677.3	5577.4	5586.0
32.5°	5879.4	5892.4	5990.2	6150.9	6385.6	6516.0	6353.0	6133.6	5955.4	5833.7	5842.4
35°	6227.0	6237.9	6331.3	6535.5	6820.1	6941.8	6755.0	6502.9	6296.5	6181.4	6214.0
37.5°	6642.0	6661.5	6728.9	6931.0	7248.2	7367.7	7152.6	6917.9	6702.8	6596.4	6620.3
40°	7087.4	7085.2	7139.5	7317.7	7606.7	7680.5	7487.2	7300.3	7115.6	7046.1	7085.2
42.5°	7469.8	7458.9	7498.0	7645.8	7845.7	7852.2	7724.0	7619.7	7489.3	7441.5	7478.5
45°	7737.0	7741.4	7800.0	7902.2	8004.3	7950.0	7910.8	7893.5	7791.3	7726.2	7732.7
47.5°	7947.8	7965.2	8058.6	8128.1	8141.2	8049.9	8104.2	8130.3	8045.6	7945.6	7917.4
50°	8134.6	8162.9	8284.6	8358.4	8330.2	8215.0	8321.5	8360.6	8173.7	7982.5	7926.1
52.5°	8473.6	8506.2	8653.9	8749.5	8716.9	8601.8	8701.7	8562.7	8247.6	8013.0	7941.3
55°	9014.6	9029.8	9210.1	9366.6	9351.4	9210.1	9129.7	8821.2	8438.8	8195.5	8128.1
57.5°	8899.4	8925.5	9238.4	9655.5	9890.2	9762.0	9290.5	8764.7	8245.4	7952.1	7860.9
60°	7002.7	7065.7	7454.6	8189.0	9049.3	9047.2	8171.6	7354.6	6728.9	6340.0	6300.9
62.5°	4089.0	4132.5	4486.7	5229.7	6001.0	6048.8	5434.0	4873.4	4325.9	4063.0	3937.0
65°	1935.9	1933.7	2074.9	2409.5	2931.0	2972.3	2787.6	2481.2	2157.5	2068.4	2044.5
67.5°	1429.6	1429.6	1418.8	1442.7	1542.6	1564.4	1542.6	1492.7	1462.2	1481.8	1468.8
70°	1240.6	1242.8	1229.8	1223.2	1223.2	1216.7	1225.4	1245.0	1258.0	1284.1	1271.0
72.5°	1006.0	1008.1	1008.1	1010.3	1012.5	1003.8	1016.8	1027.7	1029.9	1038.6	1029.9
75°	714.8	719.2	732.2	743.1	751.8	751.8	756.1	758.3	749.6	760.4	743.1
77.5°	393.3	397.6	421.5	441.1	460.6	462.8	469.3	473.7	469.3	478.0	465.0
80°	217.3	221.6	232.5	241.2	256.4	269.4	278.1	282.5	282.5	289.0	282.5
82.5°	123.8	128.2	134.7	139.1	152.1	163.0	171.6	178.2	178.2	180.3	176.0
85°	58.7	58.7	63.0	67.4	73.9	78.2	89.1	95.6	95.6	99.9	95.6
87.5°	8.7	10.9	13.0	13.0	17.4	21.7	26.1	28.2	32.6	34.8	34.8
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)