

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: P640269

Luminaire Tested: GWS-SA5D-750-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640269
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26906.2 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

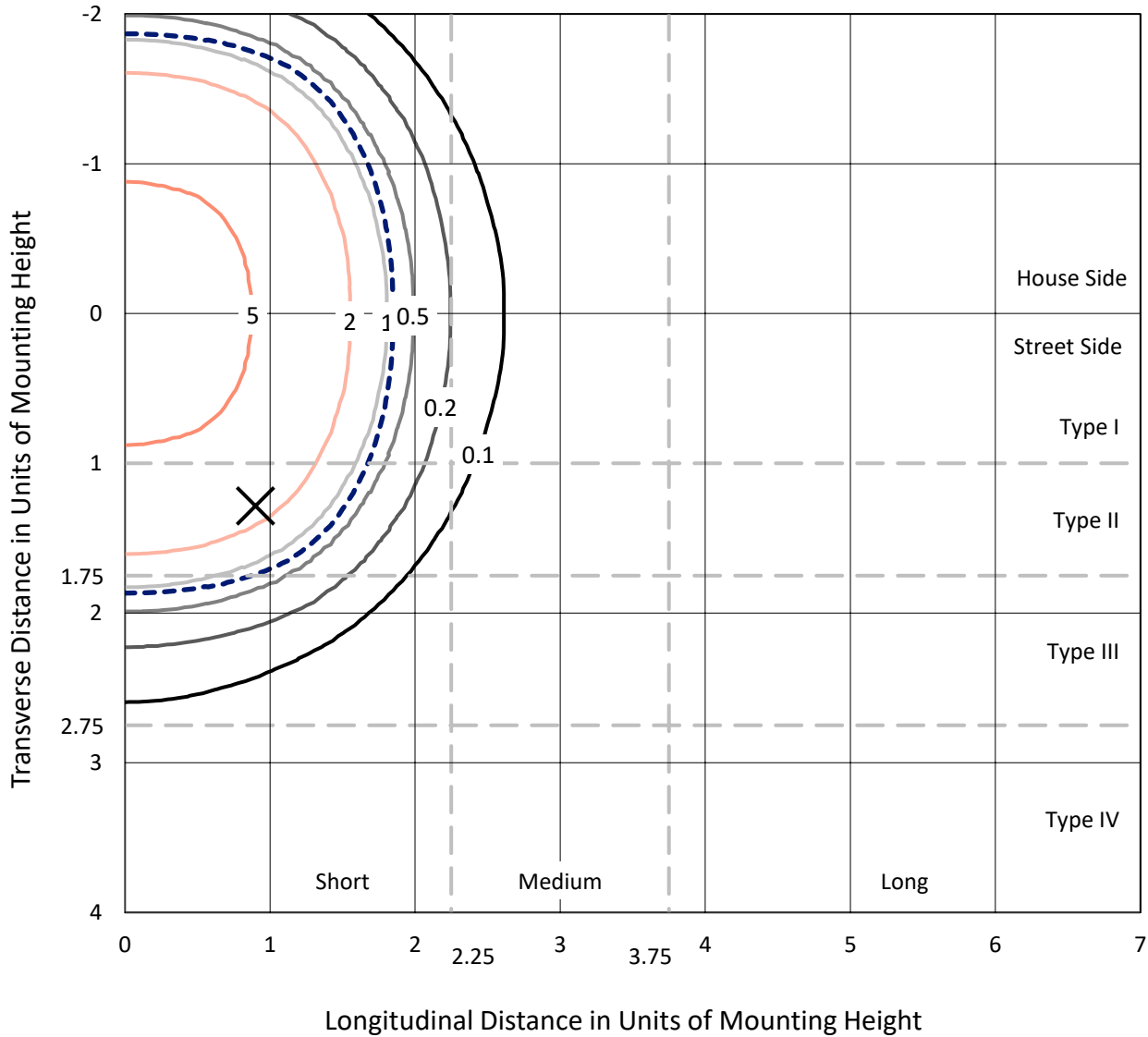
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

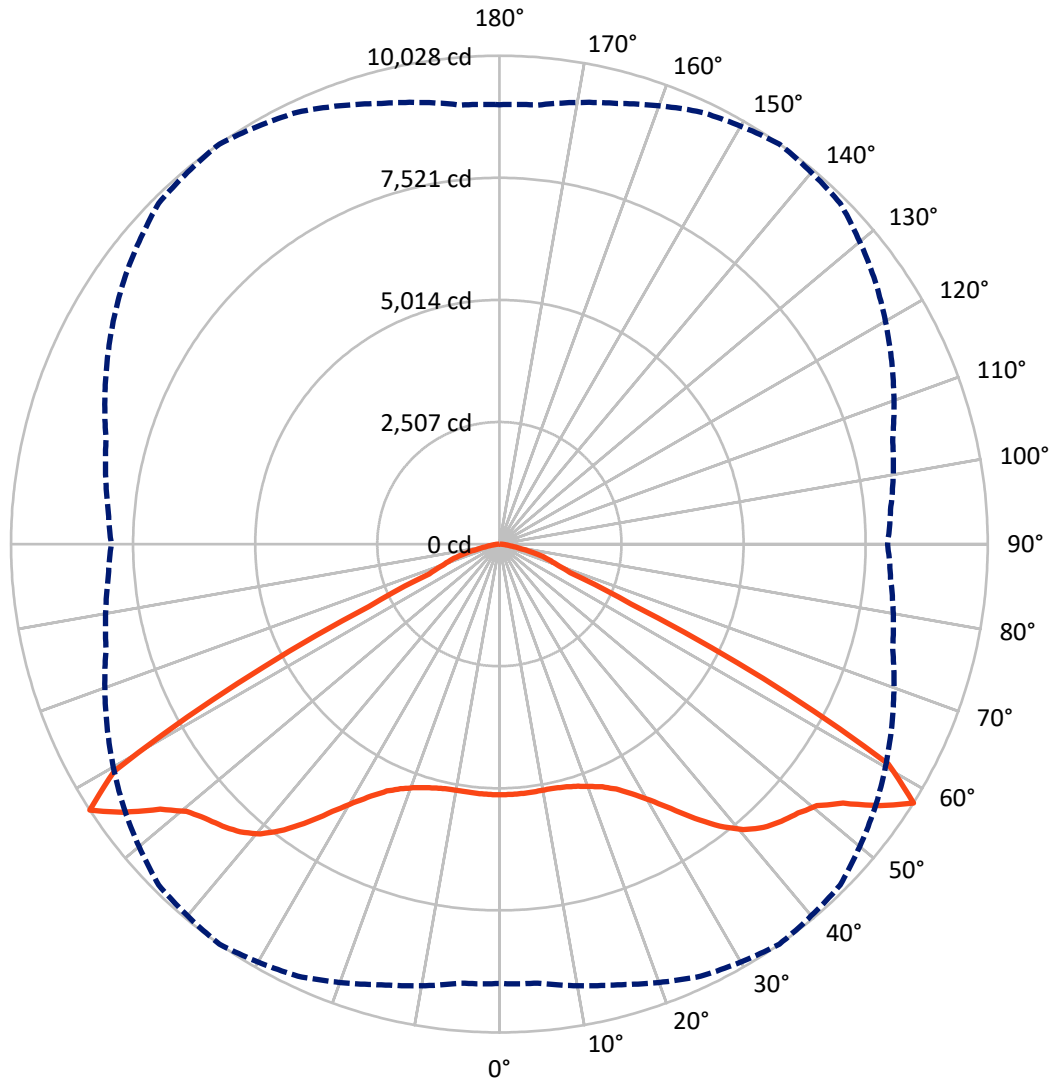
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 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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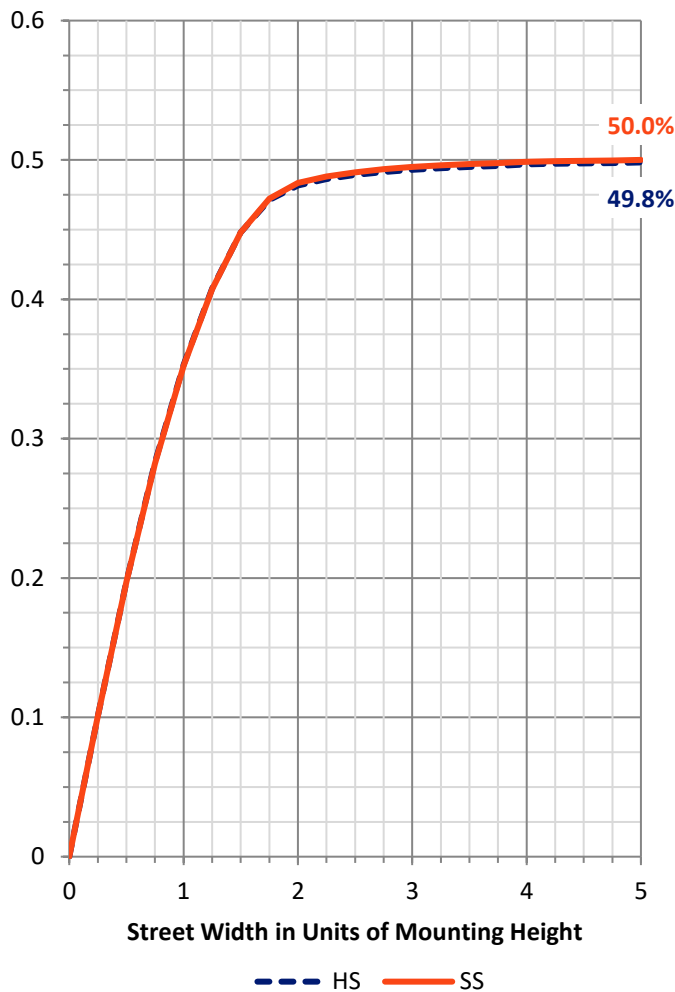
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13453.1	0.0	13453.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13453.1	0.0	13453.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	26906.2	0.0	26906.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	489.8	1.8
10°-20°	1461.2	5.4
20°-30°	2549.5	9.5
30°-40°	4180.7	15.5
40°-50°	6157.2	22.9
50°-60°	7857.6	29.2
60°-70°	3311.5	12.3
70°-80°	791.1	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°	26906.2	100.0
0°-180°	26906.2	100.0

Coefficient of Utilization



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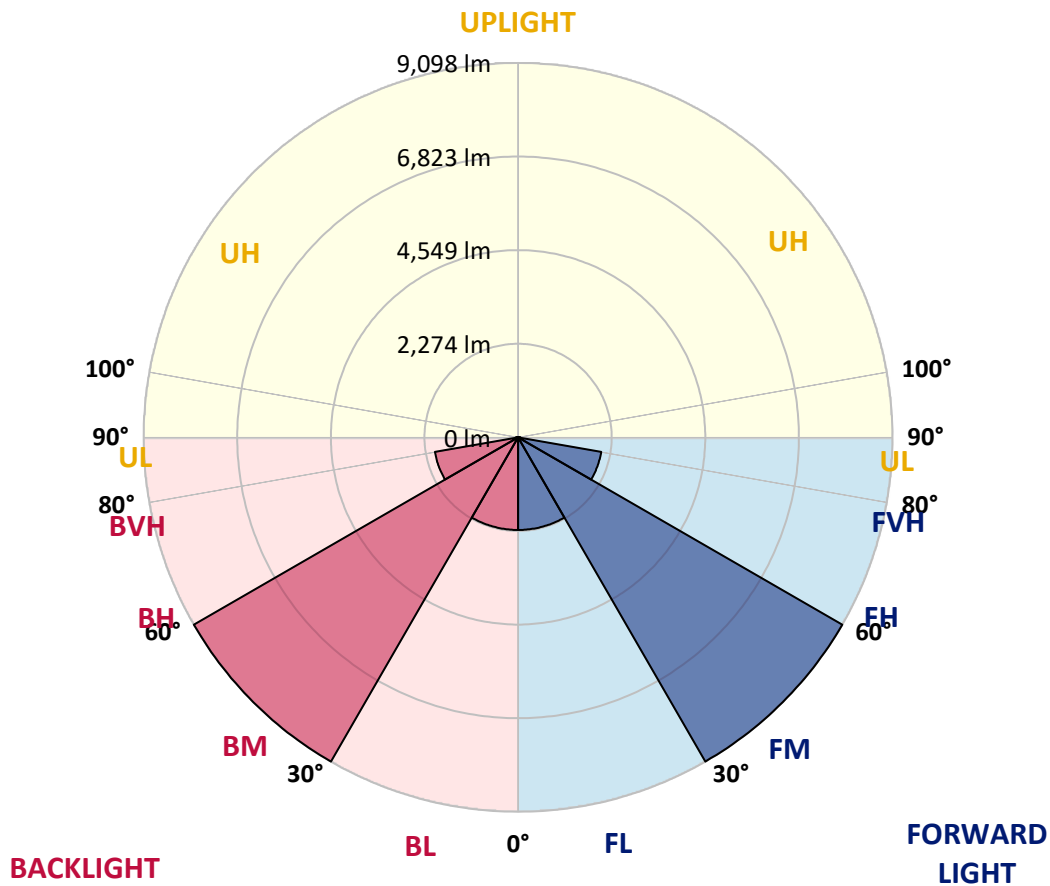
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2250.3	8.4			
FM (30°-60°)	9097.7	33.8			
FH (60°-80°)	2051.3	7.6			G2/5000
FVH (80°-90°)	53.8	0.2			G1/100
BL (0°-30°)	2250.3	8.4	B3/2500		
BM (30°-60°)	9097.7	33.8	B5		
BH (60°-80°)	2051.3	7.6	B3/2500		G2/5000
BVH (80°-90°)	53.8	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°	5148.2	5148.2	5148.2	5148.2	5148.2	5148.2	5148.2	5148.2	5148.2	5148.2	5148.2
2.5°	5117.4	5117.4	5128.4	5139.4	5143.8	5163.6	5161.4	5154.8	5150.4	5137.2	5154.8
5°	5128.4	5128.4	5137.2	5143.8	5141.6	5157.0	5150.4	5139.4	5132.8	5119.6	5139.4
7.5°	5126.2	5126.2	5132.8	5139.4	5135.0	5148.2	5137.2	5121.8	5110.7	5097.5	5115.1
10°	5097.5	5101.9	5108.5	5124.0	5130.6	5150.4	5135.0	5110.7	5093.1	5077.7	5095.3
12.5°	5093.1	5097.5	5106.3	5126.2	5137.2	5165.8	5146.0	5106.3	5079.9	5060.1	5077.7
15°	5112.9	5117.4	5130.6	5154.8	5172.4	5203.3	5174.6	5119.6	5082.1	5055.7	5071.1
17.5°	5137.2	5143.8	5163.6	5198.9	5227.5	5260.5	5225.3	5159.2	5106.3	5071.1	5084.3
20°	5163.6	5172.4	5203.3	5256.1	5309.0	5350.9	5306.8	5218.7	5154.8	5108.5	5121.8
22.5°	5209.9	5220.9	5260.5	5335.4	5414.7	5476.4	5421.4	5302.4	5218.7	5159.2	5170.2
25°	5304.6	5317.8	5368.5	5458.8	5571.2	5646.1	5568.9	5434.6	5317.8	5245.1	5256.1
27.5°	5472.0	5478.6	5544.7	5663.7	5802.5	5888.4	5795.8	5637.2	5507.3	5423.6	5432.4
30°	5692.3	5712.1	5778.2	5934.6	6099.8	6214.4	6093.2	5906.0	5756.2	5654.9	5663.7
32.5°	5961.1	5974.3	6073.4	6236.4	6474.3	6606.5	6441.3	6218.8	6038.2	5914.8	5923.6
35°	6313.5	6324.5	6419.3	6626.3	6914.9	7038.3	6848.8	6593.3	6384.0	6267.3	6300.3
37.5°	6734.3	6754.1	6822.4	7027.3	7348.9	7470.1	7252.0	7014.1	6796.0	6688.0	6712.3
40°	7185.9	7183.7	7238.8	7419.4	7712.4	7787.3	7591.2	7401.8	7214.5	7144.0	7183.7
42.5°	7573.6	7562.6	7602.2	7752.0	7954.7	7961.3	7831.3	7725.6	7593.4	7545.0	7582.4
45°	7844.6	7849.0	7908.4	8012.0	8115.5	8060.4	8020.8	8003.2	7899.6	7833.5	7840.1
47.5°	8058.2	8075.9	8170.6	8241.1	8254.3	8161.8	8216.8	8243.3	8157.4	8056.0	8027.4
50°	8247.7	8276.3	8399.7	8474.6	8445.9	8329.2	8437.1	8476.8	8287.3	8093.5	8036.2
52.5°	8591.3	8624.4	8774.2	8871.1	8838.1	8721.3	8822.6	8681.7	8362.2	8124.3	8051.6
55°	9139.9	9155.3	9338.1	9496.7	9481.3	9338.1	9256.6	8943.8	8556.1	8309.4	8241.1
57.5°	9023.1	9049.5	9366.8	9789.7	10027.6	9897.7	9419.6	8886.5	8360.0	8062.6	7970.1
60°	7100.0	7163.9	7558.2	8302.8	9175.1	9172.9	8285.1	7456.8	6822.4	6428.1	6388.4
62.5°	4145.9	4189.9	4549.0	5302.4	6084.4	6132.9	5509.5	4941.1	4386.0	4119.4	3991.7
65°	1962.8	1960.6	2103.8	2443.0	2971.7	3013.6	2826.3	2515.7	2187.5	2097.2	2072.9
67.5°	1449.5	1449.5	1438.5	1462.7	1564.1	1586.1	1564.1	1513.4	1482.6	1502.4	1489.2
70°	1257.9	1260.1	1246.8	1240.2	1240.2	1233.6	1242.4	1262.3	1275.5	1301.9	1288.7
72.5°	1019.9	1022.1	1022.1	1024.4	1026.6	1017.7	1031.0	1042.0	1044.2	1053.0	1044.2
75°	724.8	729.2	742.4	753.4	762.2	762.2	766.6	768.8	760.0	771.0	753.4
77.5°	398.7	403.1	427.4	447.2	467.0	469.2	475.8	480.2	475.8	484.6	471.4
80°	220.3	224.7	235.7	244.5	259.9	273.2	282.0	286.4	286.4	293.0	286.4
82.5°	125.6	130.0	136.6	141.0	154.2	165.2	174.0	180.6	180.6	182.8	178.4
85°	59.5	59.5	63.9	68.3	74.9	79.3	90.3	96.9	96.9	101.3	96.9
87.5°	8.8	11.0	13.2	13.2	17.6	22.0	26.4	28.6	33.0	35.2	35.2
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)