

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: P640162

Luminaire Tested: GWS-SA5D-735-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640162
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-735-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26860.5 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

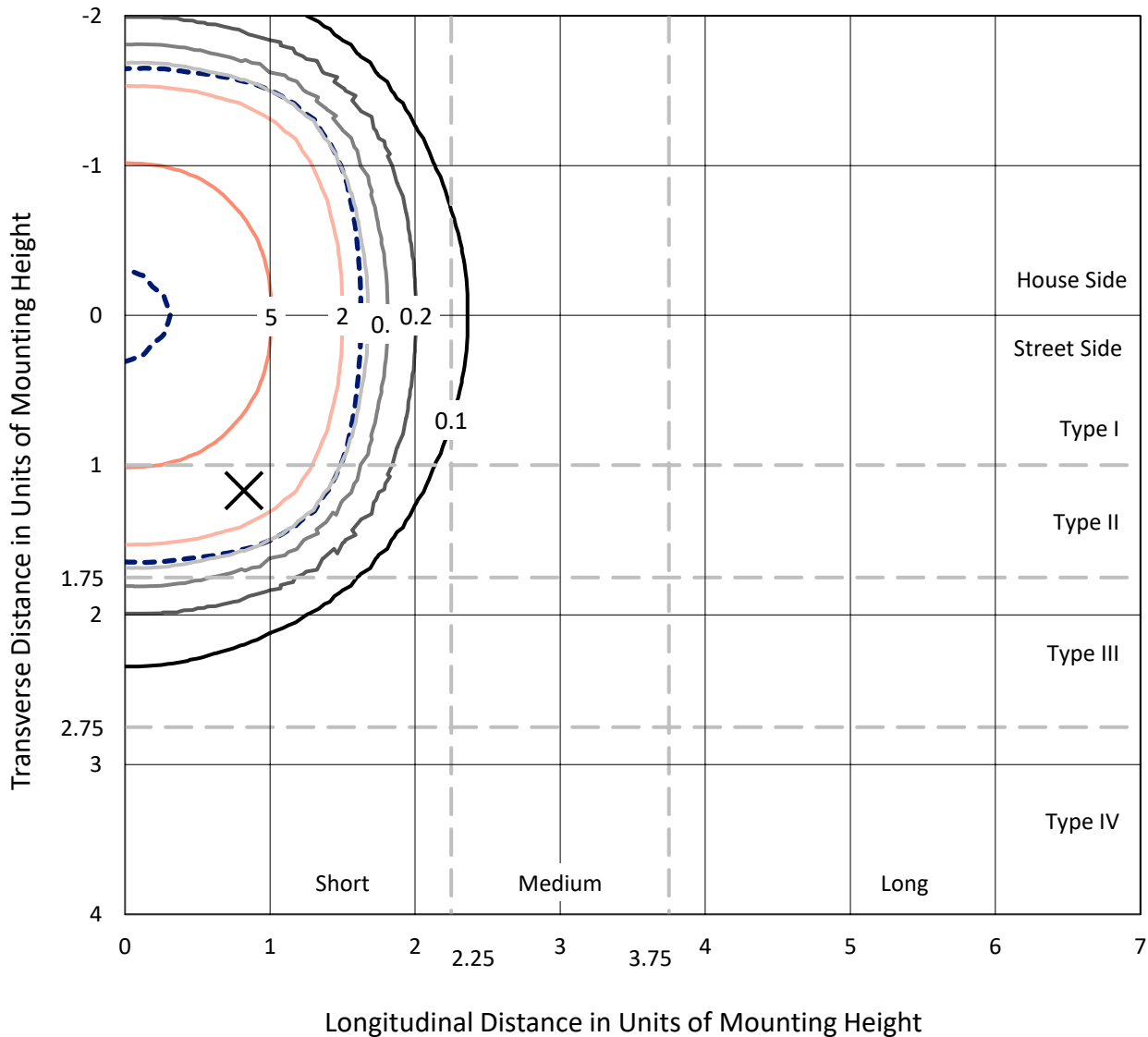
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

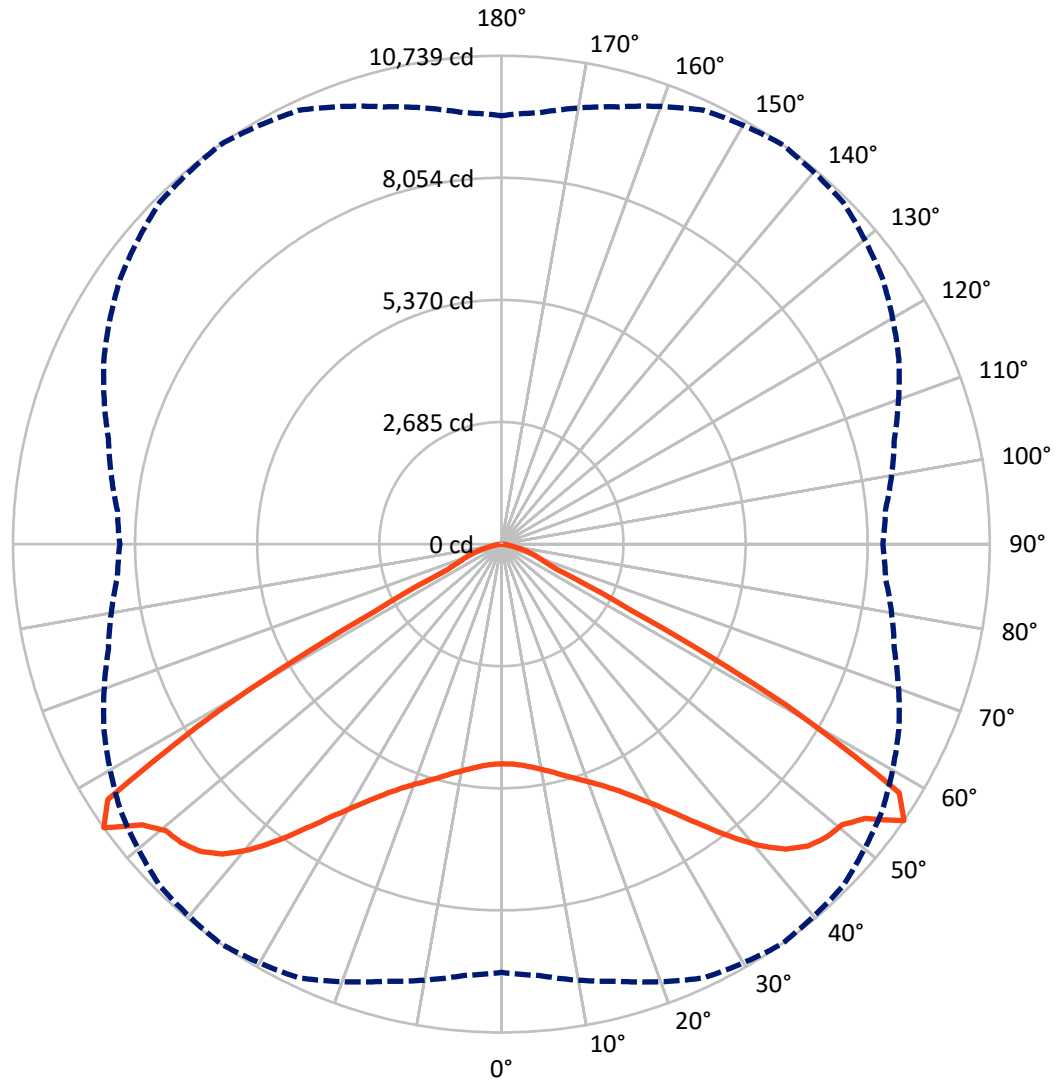
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13430.3	0.0	13430.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13430.3	0.0	13430.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	26860.5	0.0	26860.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	471.3	1.8
10°-20°	1500.6	5.6
20°-30°	2777.3	10.3
30°-40°	4645.9	17.3
40°-50°	7079.6	26.4
50°-60°	7930.6	29.5
60°-70°	1876.5	7.0
70°-80°	505.9	1.9
80°-90°	72.8	0.3
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°	26860.5	100.0
0°-180°	26860.5	100.0

Coefficient of Utilization



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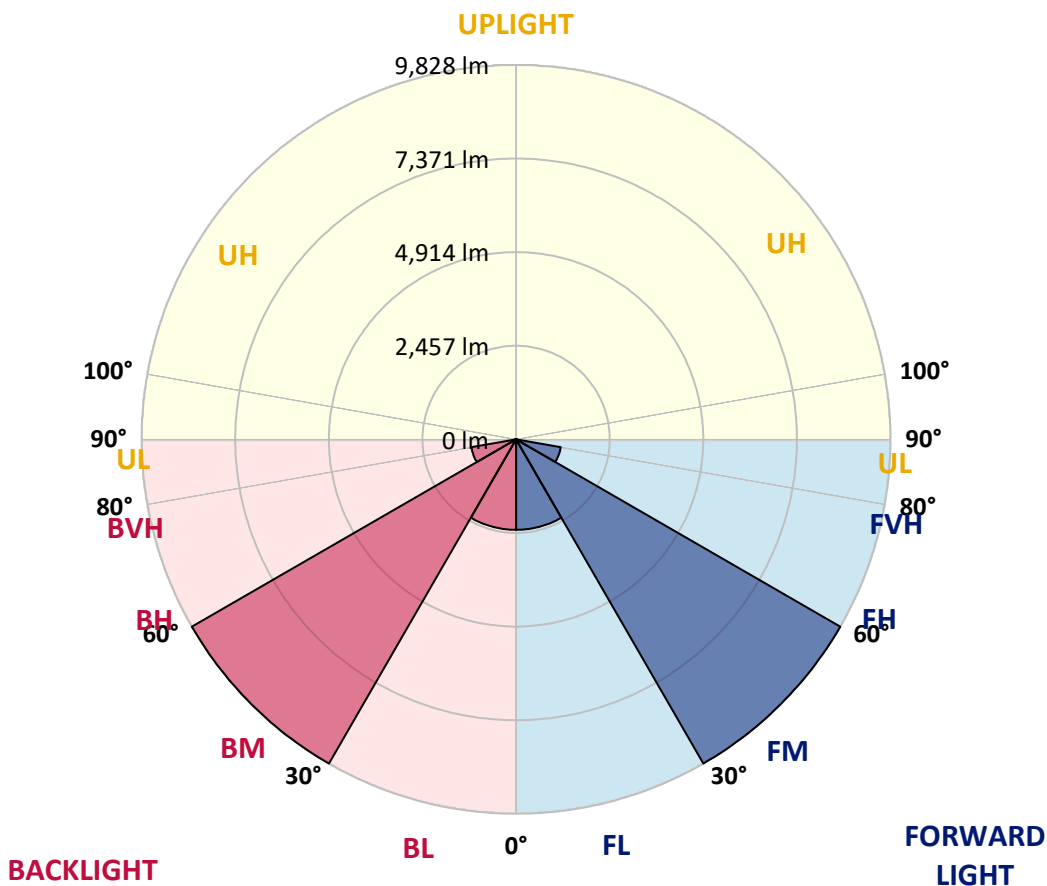
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2374.6	8.8			
FM (30°-60°)	9828.0	36.6			
FH (60°-80°)	1191.2	4.4			G1/1800
FVH (80°-90°)	36.4	0.1			G1/100
BL (0°-30°)	2374.6	8.8	B3/2500		
BM (30°-60°)	9828.0	36.6	B5		
BH (60°-80°)	1191.2	4.4	B3/2500		G1/1800
BVH (80°-90°)	36.4	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4832.3	4832.3	4832.3	4832.3	4832.3	4832.3	4832.3	4832.3	4832.3	4832.3	4832.3
2.5°	4821.7	4821.7	4830.2	4840.8	4842.9	4864.1	4859.9	4851.4	4847.1	4838.6	4857.8
5°	4874.8	4876.9	4883.3	4889.6	4885.4	4902.4	4896.0	4885.4	4879.0	4868.4	4887.5
7.5°	4944.9	4944.9	4951.2	4959.7	4955.5	4981.0	4968.2	4953.3	4942.7	4930.0	4947.0
10°	5008.6	5012.8	5019.2	5036.2	5044.7	5072.3	5063.8	5042.6	5025.6	5010.7	5029.8
12.5°	5104.2	5108.4	5114.8	5138.1	5153.0	5180.6	5167.9	5138.1	5112.7	5091.4	5112.7
15°	5227.4	5223.1	5240.1	5269.8	5289.0	5314.4	5299.6	5248.6	5214.6	5187.0	5208.2
17.5°	5352.7	5350.6	5367.5	5405.8	5433.4	5467.4	5441.9	5382.4	5346.3	5312.3	5333.6
20°	5488.6	5495.0	5512.0	5548.1	5588.4	5633.1	5611.8	5548.1	5507.7	5469.5	5486.5
22.5°	5656.4	5658.5	5677.7	5724.4	5777.5	5820.0	5807.2	5728.6	5677.7	5637.3	5658.5
25°	5858.2	5856.1	5881.6	5936.8	6011.1	6053.6	6026.0	5938.9	5883.7	5837.0	5854.0
27.5°	6089.7	6087.6	6125.8	6198.1	6304.3	6363.7	6306.4	6198.1	6121.6	6055.7	6070.6
30°	6380.7	6374.4	6416.8	6514.5	6652.6	6752.4	6667.5	6516.7	6416.8	6346.7	6361.6
32.5°	6703.6	6712.1	6765.2	6896.9	7071.1	7200.6	7073.2	6905.4	6771.6	6669.6	6686.6
35°	7058.3	7058.3	7166.6	7330.2	7578.7	7750.8	7553.2	7311.1	7132.7	6992.5	6996.7
37.5°	7453.4	7457.6	7599.9	7825.1	8150.1	8351.9	8084.2	7784.7	7568.1	7417.3	7408.8
40°	7935.6	7948.3	8094.9	8345.5	8710.8	8895.6	8608.9	8315.8	8094.9	7916.4	7899.4
42.5°	8479.3	8483.6	8638.6	8863.8	9171.8	9282.2	9057.1	8817.0	8636.5	8475.1	8458.1
45°	8997.6	8987.0	9120.8	9288.6	9467.0	9477.6	9352.3	9254.6	9097.4	8959.4	8933.9
47.5°	9401.2	9392.7	9513.7	9605.1	9626.3	9522.2	9562.6	9577.5	9394.8	9207.9	9159.0
50°	9647.6	9664.6	9779.3	9830.2	9704.9	9535.0	9687.9	9649.7	9388.4	9144.2	9065.6
52.5°	9796.2	9821.7	10021.4	10151.0	10021.4	9860.0	9881.2	9656.1	9280.1	8957.2	8855.3
55°	9420.3	9522.2	9953.4	10526.9	10739.3	10626.8	10223.2	9643.3	8946.6	8477.2	8390.1
57.5°	6981.8	7143.3	7782.6	9025.2	10316.6	10726.6	9547.7	8084.2	7028.6	6425.3	6374.4
60°	3564.2	3744.7	4256.7	5533.2	7194.3	7772.0	6650.5	5176.4	4114.3	3625.8	3570.6
62.5°	1455.0	1484.7	1652.5	2145.3	3179.7	3668.3	3222.2	2262.1	1699.3	1565.4	1567.6
65°	1144.9	1151.2	1142.8	1172.5	1331.8	1478.4	1365.8	1200.1	1170.4	1185.2	1174.6
67.5°	998.3	1000.4	994.1	994.1	1000.4	994.1	1006.8	1013.2	1017.4	1034.4	1023.8
70°	834.8	836.9	836.9	841.1	839.0	828.4	847.5	856.0	858.1	868.7	862.4
72.5°	645.7	652.1	656.3	658.5	656.3	650.0	660.6	675.5	673.3	684.0	673.3
75°	437.6	446.1	450.3	458.8	456.7	456.7	469.4	475.8	469.4	477.9	469.4
77.5°	248.5	254.9	267.6	276.1	284.6	291.0	299.5	303.7	301.6	305.9	301.6
80°	144.4	146.6	157.2	161.4	172.1	182.7	191.2	195.4	197.5	199.7	197.5
82.5°	82.8	85.0	89.2	93.5	102.0	110.5	118.9	125.3	125.3	127.4	125.3
85°	40.4	40.4	42.5	44.6	48.9	55.2	61.6	68.0	70.1	70.1	70.1
87.5°	6.4	6.4	8.5	8.5	10.6	12.7	17.0	21.2	23.4	23.4	23.4
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)