

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: P640165

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640165
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-735-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 25023.2 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

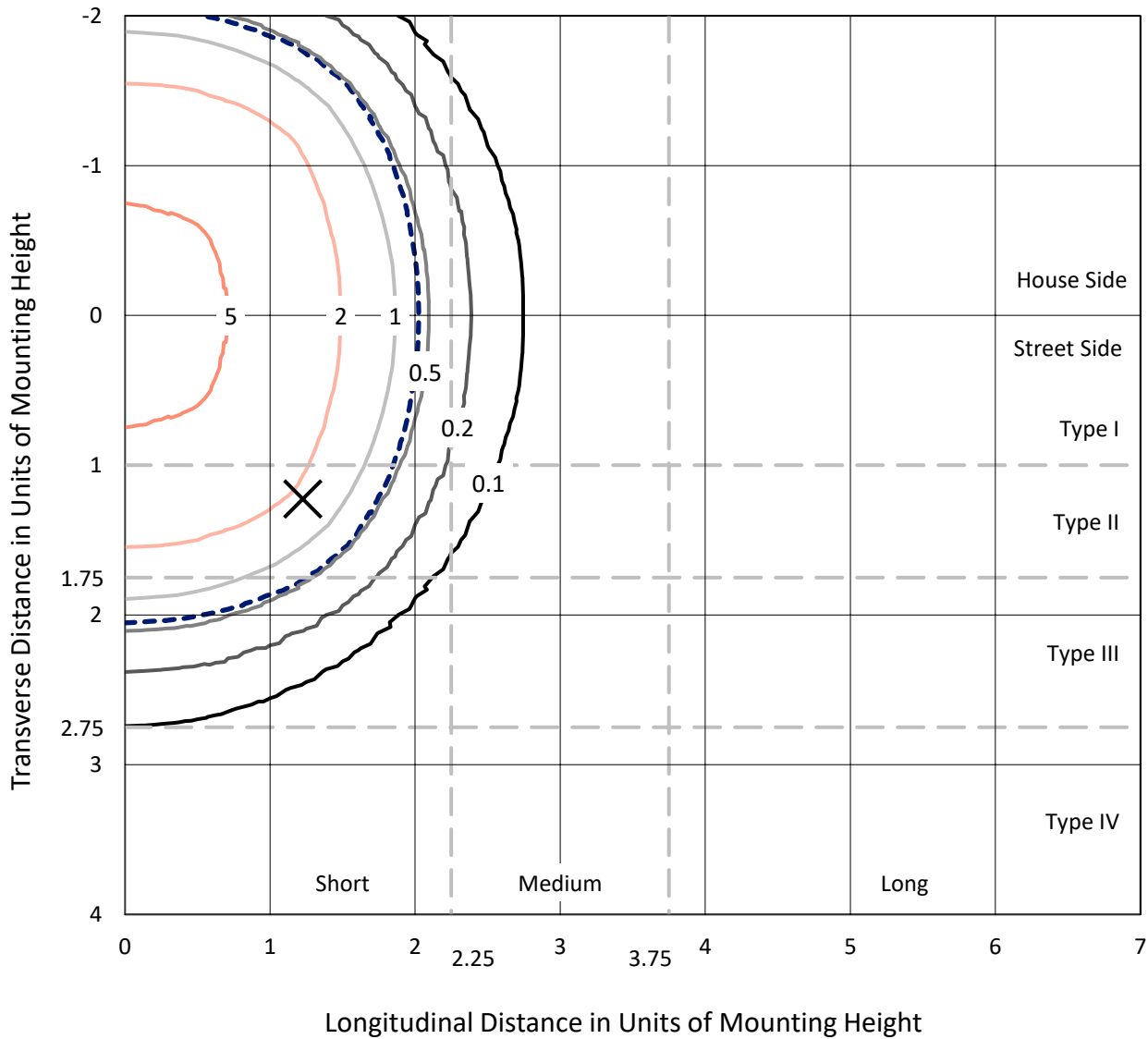
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

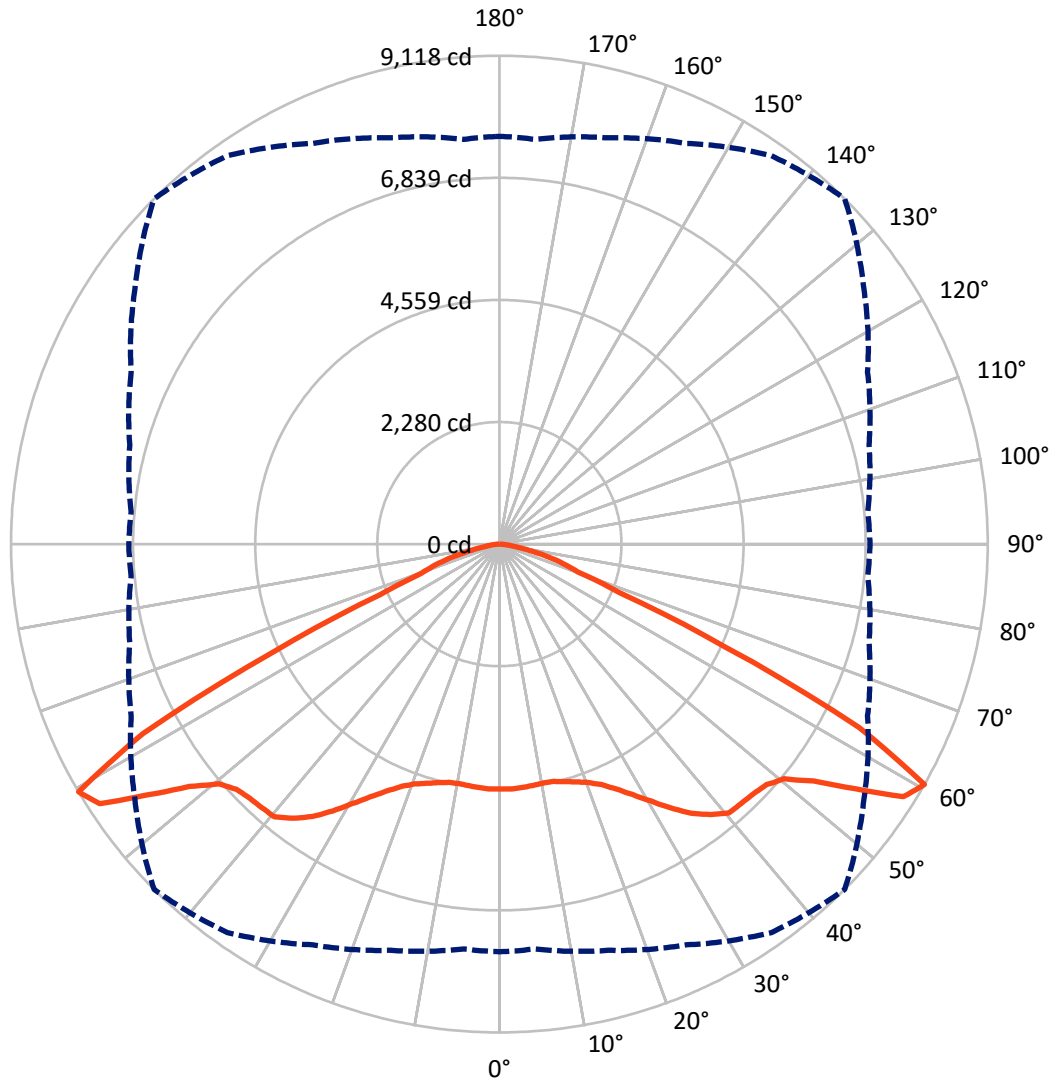
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12511.6	0.0	12511.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12511.6	0.0	12511.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	25023.2	0.0	25023.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.7	1.7
10°-20°	1304.4	5.2
20°-30°	2307.8	9.2
30°-40°	3715.6	14.8
40°-50°	5107.0	20.4
50°-60°	6805.6	27.2
60°-70°	4241.5	17.0
70°-80°	975.3	3.9
80°-90°	132.3	0.5
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°	25023.2	100.0
0°-180°	25023.2	100.0

Coefficient of Utilization



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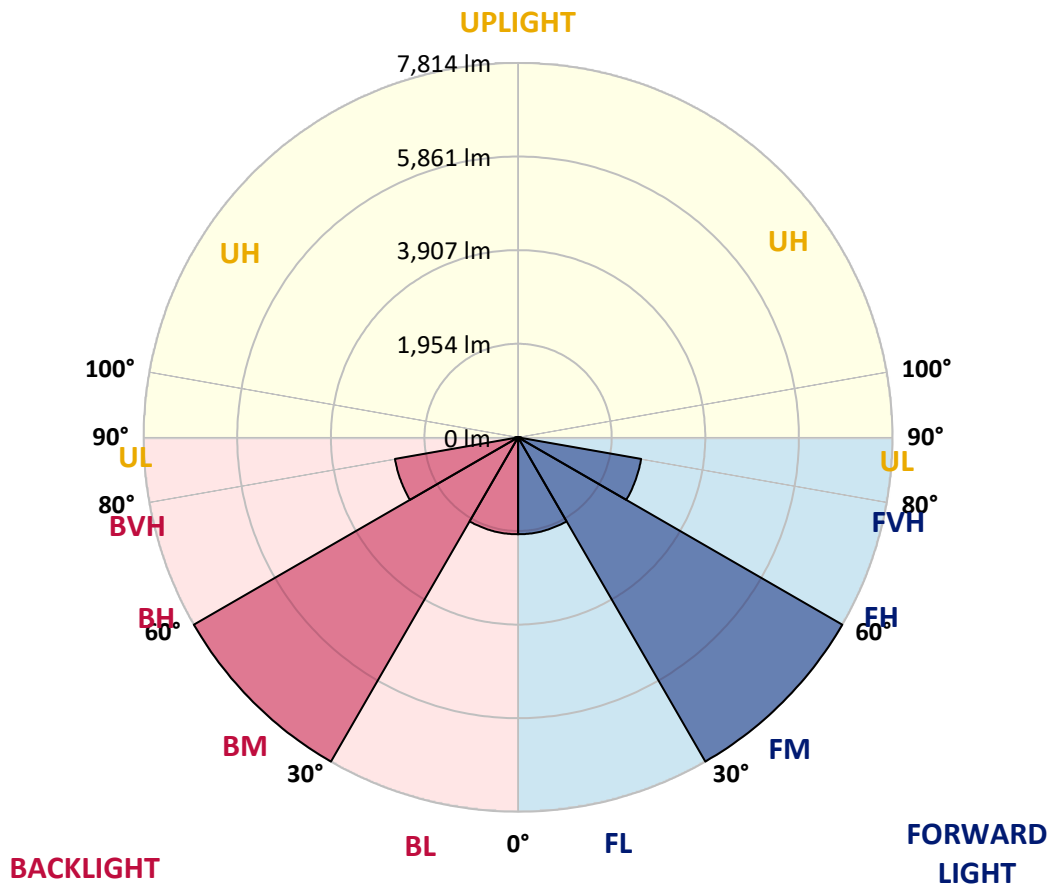
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2022.9	8.1			
FM (30°-60°)	7814.0	31.2			
FH (60°-80°)	2608.4	10.4			G2/5000
FVH (80°-90°)	66.2	0.3			G1/100
BL (0°-30°)	2022.9	8.1	B3/2500		
BM (30°-60°)	7814.0	31.2	B4/8500		
BH (60°-80°)	2608.4	10.4	B4/5000		G2/5000
BVH (80°-90°)	66.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4573.0	4573.0	4573.0	4573.0	4573.0	4573.0	4573.0	4573.0	4573.0	4573.0	4573.0
2.5°	4541.1	4545.3	4553.8	4560.2	4568.7	4577.2	4581.4	4573.0	4568.7	4551.7	4570.8
5°	4545.3	4549.6	4556.0	4556.0	4558.1	4564.5	4564.5	4553.8	4543.2	4524.1	4545.3
7.5°	4539.0	4543.2	4545.3	4543.2	4545.3	4547.5	4543.2	4530.5	4519.9	4502.9	4519.9
10°	4528.4	4532.6	4536.8	4532.6	4528.4	4534.7	4534.7	4526.2	4519.9	4502.9	4522.0
12.5°	4551.7	4558.1	4560.2	4549.6	4545.3	4547.5	4547.5	4539.0	4539.0	4524.1	4545.3
15°	4606.9	4611.2	4604.8	4592.1	4594.2	4600.6	4585.7	4564.5	4560.2	4553.8	4570.8
17.5°	4649.4	4653.7	4647.3	4638.8	4653.7	4668.5	4640.9	4600.6	4587.8	4583.6	4602.7
20°	4696.1	4702.5	4694.0	4704.6	4734.4	4751.4	4717.4	4662.2	4636.7	4630.3	4653.7
22.5°	4772.6	4781.1	4781.1	4804.5	4849.1	4876.7	4834.2	4759.9	4721.6	4711.0	4734.4
25°	4893.7	4900.0	4906.4	4953.1	5025.4	5063.6	4995.6	4893.7	4840.6	4823.6	4836.3
27.5°	5061.5	5072.1	5082.7	5150.7	5239.9	5295.1	5197.4	5070.0	5004.1	4970.1	4995.6
30°	5261.1	5276.0	5301.5	5377.9	5503.3	5564.9	5439.5	5284.5	5210.2	5174.0	5208.0
32.5°	5533.0	5535.1	5554.2	5639.2	5804.9	5875.0	5717.8	5545.7	5469.3	5426.8	5445.9
35°	5855.8	5858.0	5828.2	5915.3	6093.7	6172.3	5987.5	5813.4	5749.6	5736.9	5785.8
37.5°	6187.2	6168.1	6138.3	6176.6	6357.1	6408.1	6212.7	6064.0	6036.4	6059.7	6132.0
40°	6423.0	6391.1	6331.6	6359.2	6541.9	6601.4	6393.2	6253.0	6244.5	6301.9	6389.0
42.5°	6575.9	6541.9	6471.8	6471.8	6597.1	6622.6	6461.2	6386.8	6406.0	6471.8	6554.6
45°	6650.2	6631.1	6590.7	6569.5	6639.6	6650.2	6527.0	6497.3	6533.4	6565.3	6629.0
47.5°	6707.6	6707.6	6694.8	6673.6	6705.4	6711.8	6620.5	6612.0	6658.7	6658.7	6701.2
50°	6809.5	6820.1	6837.1	6832.9	6866.9	6888.1	6820.1	6807.4	6826.5	6764.9	6786.2
52.5°	7077.1	7104.8	7153.6	7191.8	7278.9	7344.8	7223.7	7121.7	7021.9	6886.0	6890.2
55°	7557.2	7569.9	7665.5	7778.1	7924.6	8058.4	7809.9	7493.4	7276.8	7117.5	7119.6
57.5°	7962.8	7982.0	8122.1	8357.9	8687.1	8895.3	8345.2	7816.3	7510.4	7315.0	7321.4
60°	7612.4	7586.9	7852.4	8256.0	8852.8	9118.3	8306.9	7584.8	7145.1	6903.0	6920.0
62.5°	5889.8	5841.0	6136.2	6558.9	7274.7	7540.2	6792.5	6100.1	5683.8	5494.8	5467.2
65°	3585.3	3540.7	3753.1	4012.2	4496.5	4664.3	4322.3	3954.9	3591.7	3477.0	3445.1
67.5°	1951.9	1945.6	2002.9	2130.4	2342.8	2421.4	2355.5	2181.3	2087.9	2007.2	2007.2
70°	1548.4	1535.6	1525.0	1527.1	1546.3	1556.9	1559.0	1550.5	1561.1	1563.3	1554.8
72.5°	1282.9	1278.6	1257.4	1259.5	1251.0	1246.8	1261.7	1270.1	1287.1	1289.3	1289.3
75°	930.3	919.7	930.3	932.4	923.9	923.9	934.6	932.4	940.9	945.2	921.8
77.5°	528.9	528.9	543.7	560.7	573.5	573.5	584.1	584.1	594.7	592.6	588.3
80°	291.0	291.0	299.5	310.1	322.8	335.6	346.2	348.3	354.7	352.6	346.2
82.5°	165.7	167.8	172.0	178.4	191.2	201.8	212.4	214.5	220.9	220.9	214.5
85°	78.6	76.5	78.6	82.8	89.2	97.7	108.3	114.7	118.9	118.9	114.7
87.5°	14.9	17.0	14.9	17.0	19.1	25.5	29.7	34.0	40.4	42.5	38.2
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)