

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: P640163

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640163
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
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
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30968.4 lumens
Efficiency: N/A
Efficacy: 151.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

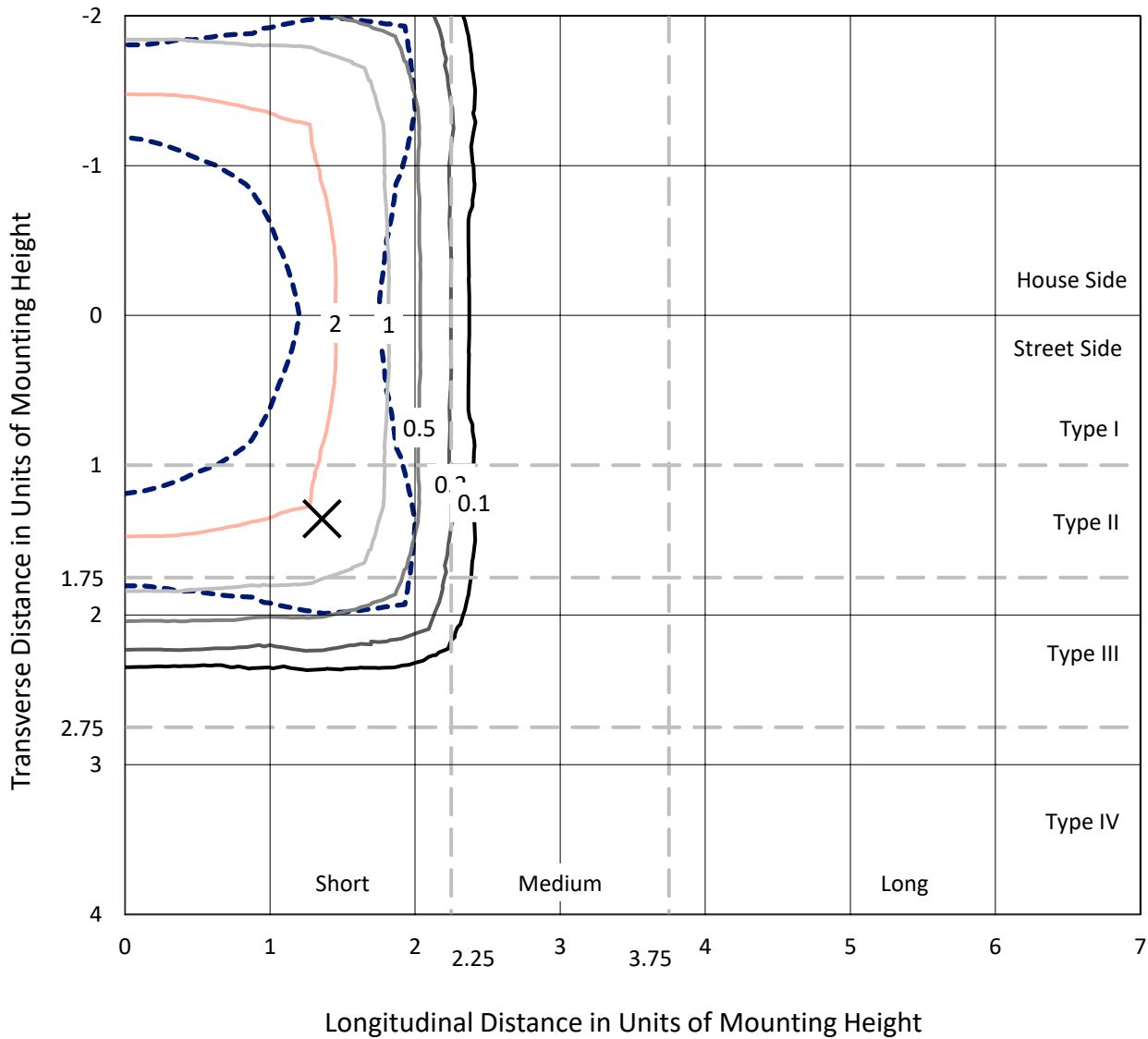
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

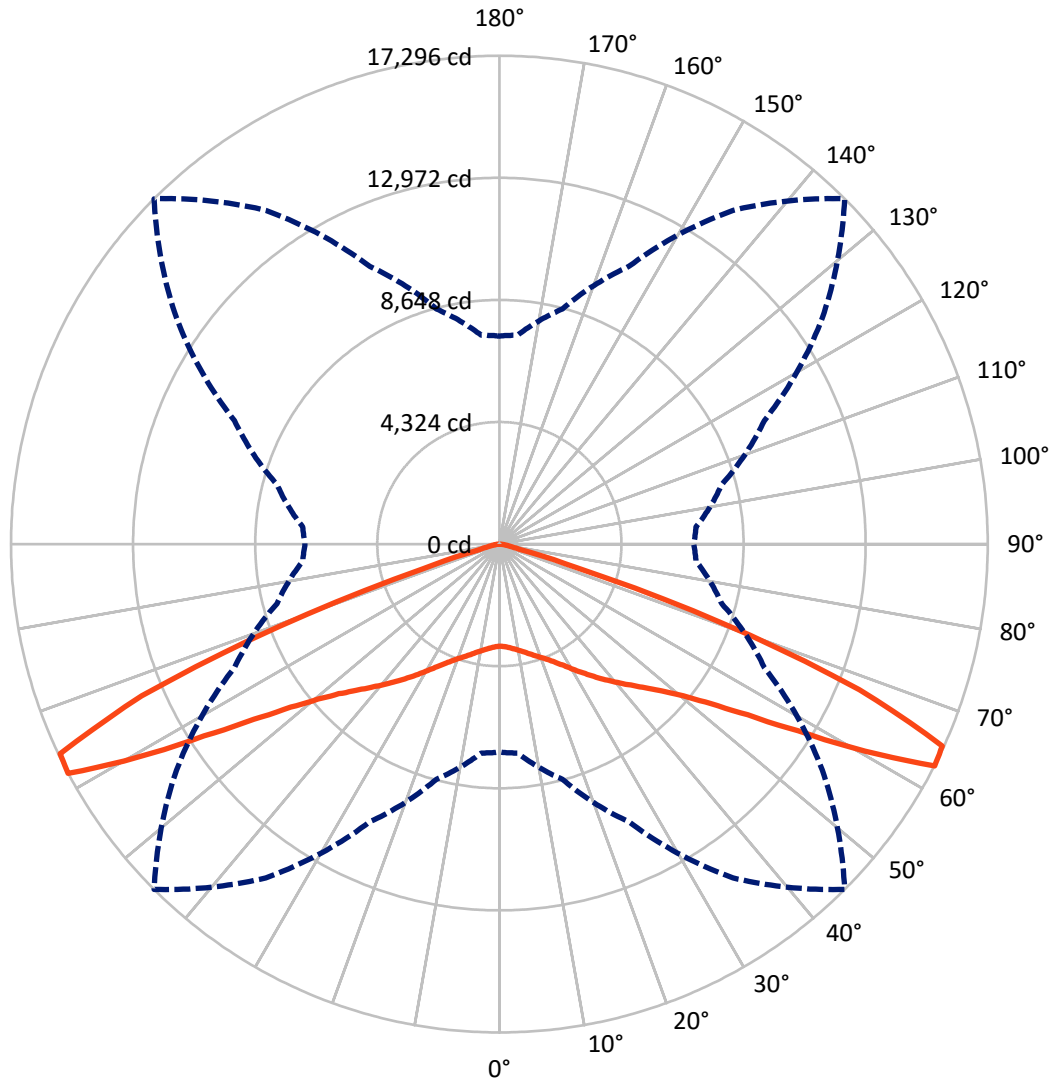
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15484.2	0.0	15484.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15484.2	0.0	15484.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	30968.4	0.0	30968.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.5	1.1
10°-20°	1143.1	3.7
20°-30°	2162.6	7.0
30°-40°	3640.0	11.8
40°-50°	5815.7	18.8
50°-60°	9374.6	30.3
60°-70°	7648.6	24.7
70°-80°	742.8	2.4
80°-90°	86.4	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°	30968.4	100.0
0°-180°	30968.4	100.0

Coefficient of Utilization



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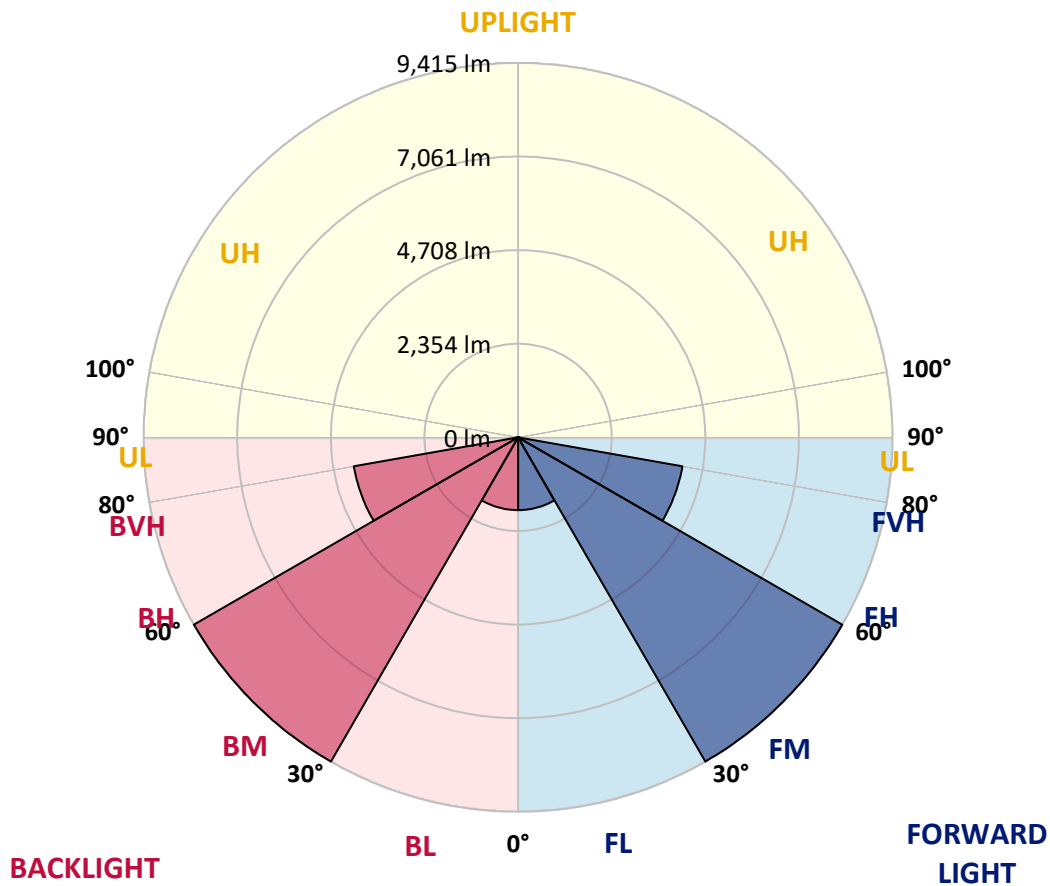
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1830.1	5.9			
FM (30°-60°)	9415.2	30.4			
FH (60°-80°)	4195.7	13.5			G2/5000
FVH (80°-90°)	43.2	0.1			G1/100
BL (0°-30°)	1830.1	5.9	B3/2500		
BM (30°-60°)	9415.2	30.4	B5		
BH (60°-80°)	4195.7	13.5	B4/5000		G2/5000
BVH (80°-90°)	43.2	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3612.9	3612.9	3612.9	3612.9	3612.9	3612.9	3612.9	3612.9	3612.9	3612.9	3612.9
2.5°	3608.6	3608.6	3617.1	3623.5	3619.3	3636.2	3634.1	3629.9	3627.7	3621.4	3640.5
5°	3657.5	3657.5	3663.9	3670.2	3659.6	3680.8	3672.4	3668.1	3666.0	3657.5	3674.5
7.5°	3712.7	3719.1	3721.2	3731.8	3725.5	3748.8	3742.4	3733.9	3729.7	3719.1	3733.9
10°	3774.3	3778.6	3780.7	3799.8	3801.9	3829.5	3823.2	3812.5	3804.0	3793.4	3814.7
12.5°	3857.1	3859.3	3865.6	3889.0	3895.4	3916.6	3914.5	3899.6	3889.0	3874.1	3897.5
15°	3963.3	3965.5	3976.1	3999.4	4010.1	4035.6	4027.1	4003.7	3988.8	3971.8	3990.9
17.5°	4073.8	4082.3	4092.9	4116.3	4131.1	4160.9	4150.2	4124.8	4112.0	4095.0	4107.8
20°	4216.1	4218.2	4224.6	4250.1	4260.7	4294.7	4296.8	4271.3	4264.9	4247.9	4267.1
22.5°	4373.3	4375.4	4381.8	4409.4	4428.5	4449.7	4462.5	4447.6	4437.0	4415.7	4439.1
25°	4547.4	4568.7	4575.0	4609.0	4630.3	4643.0	4657.9	4651.5	4636.6	4611.1	4621.8
27.5°	4791.7	4795.9	4806.6	4844.8	4857.5	4870.3	4885.1	4887.3	4866.0	4836.3	4851.2
30°	5069.9	5067.8	5091.2	5120.9	5131.5	5142.1	5163.4	5176.1	5148.5	5116.7	5131.5
32.5°	5354.5	5380.0	5409.8	5437.4	5431.0	5435.3	5469.2	5492.6	5454.4	5397.0	5409.8
35°	5675.3	5692.3	5730.5	5770.8	5762.3	5756.0	5777.2	5800.6	5747.5	5673.1	5692.3
37.5°	6004.5	6030.0	6087.3	6136.2	6123.4	6093.7	6117.0	6142.5	6091.6	6006.6	5998.1
40°	6371.9	6412.3	6495.1	6535.5	6501.5	6444.1	6484.5	6546.1	6495.1	6397.4	6374.0
42.5°	6803.1	6851.9	6934.8	6996.4	6922.0	6828.6	6896.5	6985.8	6973.0	6843.4	6803.1
45°	7336.2	7368.1	7470.0	7499.8	7389.3	7259.7	7382.9	7518.9	7487.0	7346.8	7293.7
47.5°	7916.1	7964.9	8054.1	8109.3	7930.9	7769.5	7941.5	8124.2	8090.2	7958.5	7896.9
50°	8655.2	8718.9	8835.7	8882.5	8636.1	8451.3	8672.2	8903.7	8837.9	8661.6	8580.9
52.5°	9460.2	9511.2	9710.8	9804.3	9572.8	9373.1	9566.4	9793.6	9653.5	9419.8	9311.5
55°	10169.6	10220.6	10513.7	10823.8	10813.2	10675.1	10772.8	10777.0	10396.9	10010.3	9895.6
57.5°	10322.5	10373.5	10932.1	11743.5	12316.9	12476.2	12189.5	11586.3	10628.4	9950.8	9821.3
60°	9506.9	9564.3	10452.1	11934.6	13820.7	14884.8	13563.7	11569.3	9912.6	8995.0	8871.8
62.5°	7365.9	7427.5	8621.2	10847.1	14428.2	17295.5	13963.0	10352.3	8153.9	6992.1	6883.8
65°	3517.3	3517.3	5033.8	7780.1	13217.5	17238.2	12807.6	7659.1	4908.5	3770.1	3676.6
67.5°	870.8	875.1	1295.6	3028.8	8990.8	13757.0	9137.3	3676.6	1728.9	1223.4	1191.5
70°	543.7	541.6	601.1	819.9	3145.6	8349.3	3736.1	1108.7	703.0	620.2	616.0
72.5°	422.7	422.7	452.4	524.6	824.1	2844.0	1089.6	616.0	509.8	458.8	458.8
75°	333.5	333.5	354.7	392.9	486.4	732.8	579.8	456.7	395.1	361.1	356.8
77.5°	248.5	252.8	269.7	295.2	331.3	412.1	367.4	344.1	308.0	282.5	274.0
80°	161.4	167.8	189.0	203.9	216.6	271.9	240.0	250.6	233.6	203.9	199.7
82.5°	87.1	89.2	114.7	118.9	123.2	148.7	152.9	159.3	165.7	129.6	121.1
85°	31.9	31.9	38.2	44.6	48.9	53.1	72.2	89.2	93.5	74.3	72.2
87.5°	6.4	6.4	6.4	4.2	4.2	4.2	12.7	23.4	38.2	29.7	29.7
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)