

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: P642638

Luminaire Tested: GWS-SA6D-735-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642638
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-SA6D-735-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36927.6 lumens
Efficiency: N/A
Efficacy: 150.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

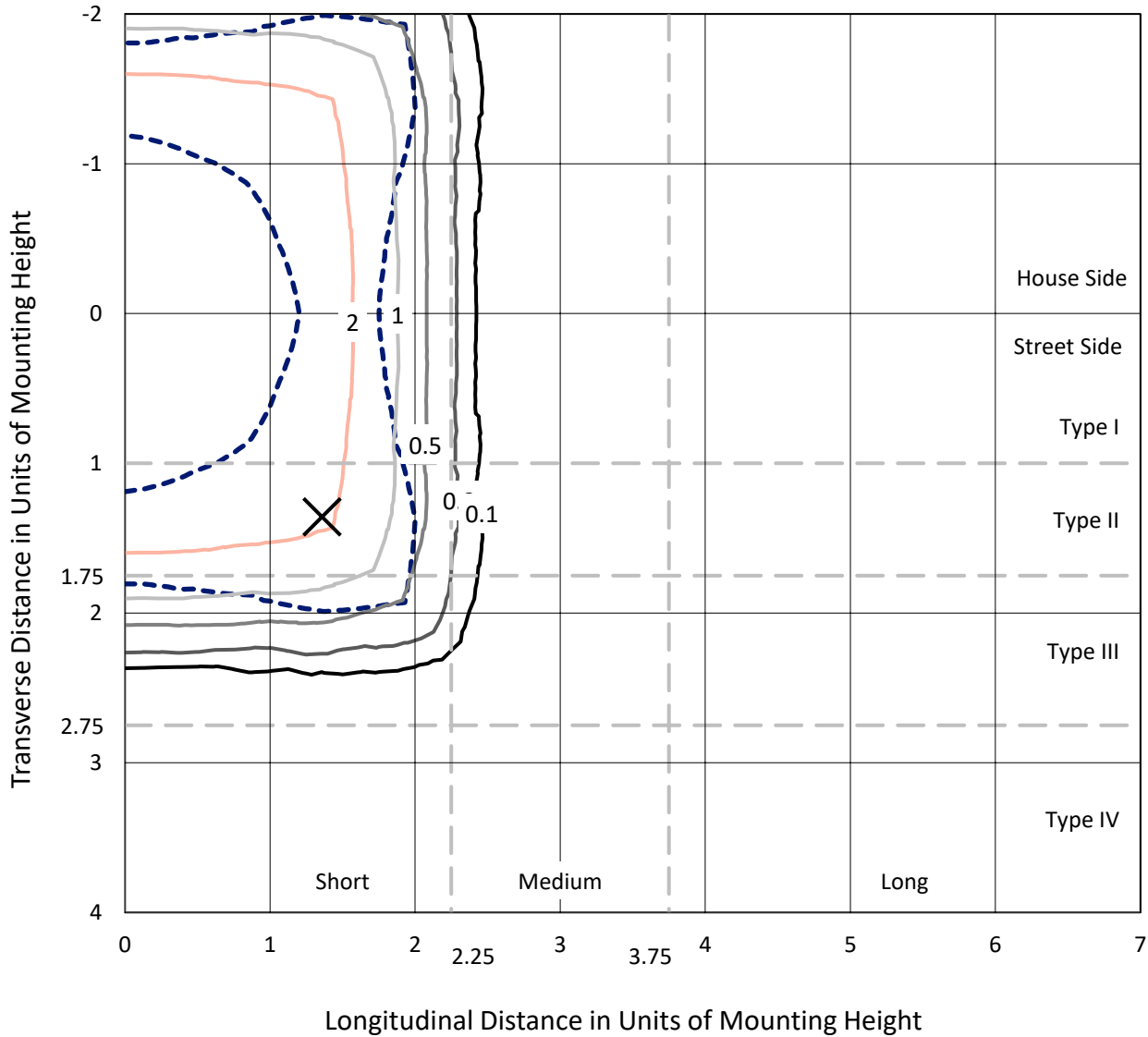
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

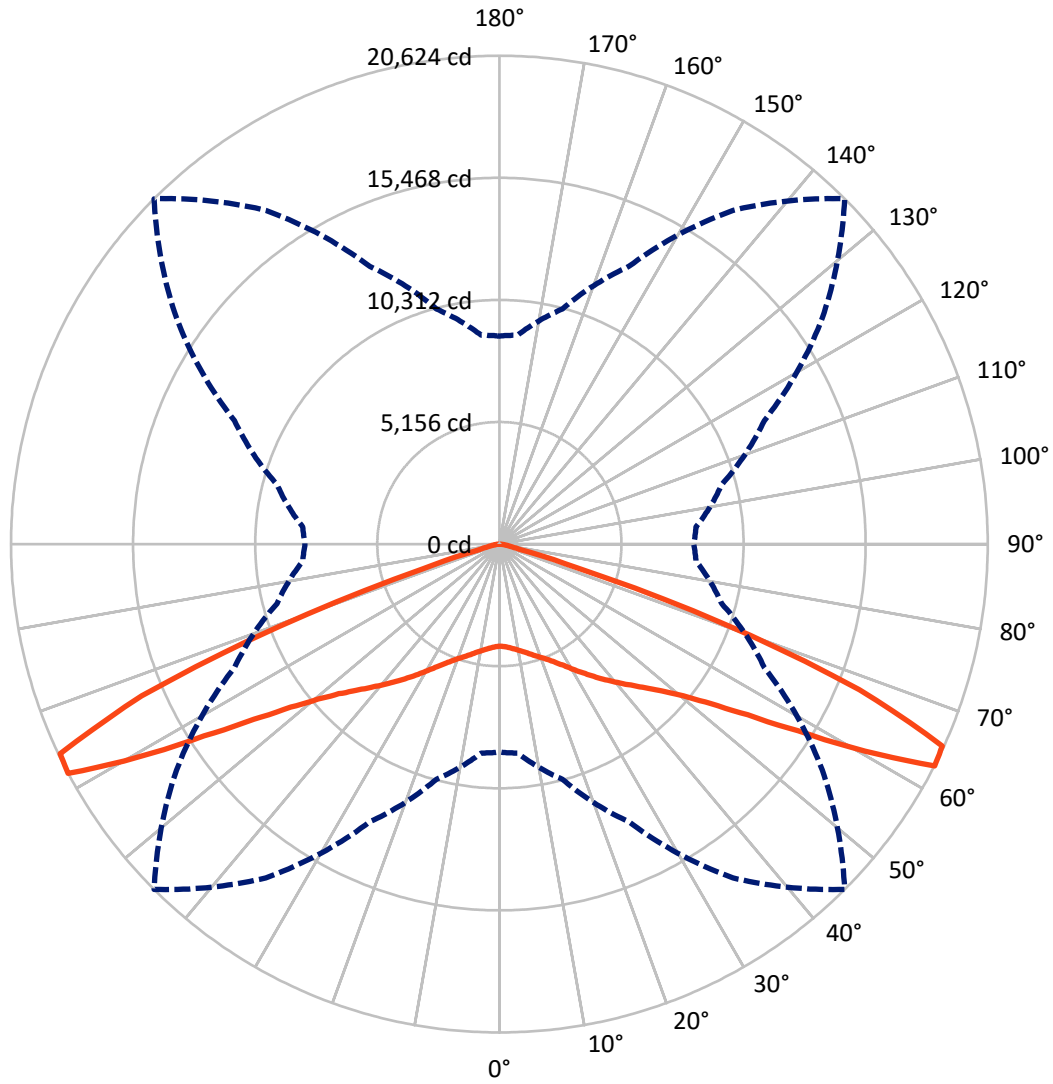
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.8 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	18463.8	0.0	18463.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18463.8	0.0	18463.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	36927.6	0.0	36927.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	422.7	1.1
10°-20°	1363.1	3.7
20°-30°	2578.8	7.0
30°-40°	4340.5	11.8
40°-50°	6934.8	18.8
50°-60°	11178.6	30.3
60°-70°	9120.4	24.7
70°-80°	885.7	2.4
80°-90°	103.1	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°	36927.6	100.0
0°-180°	36927.6	100.0

Coefficient of Utilization



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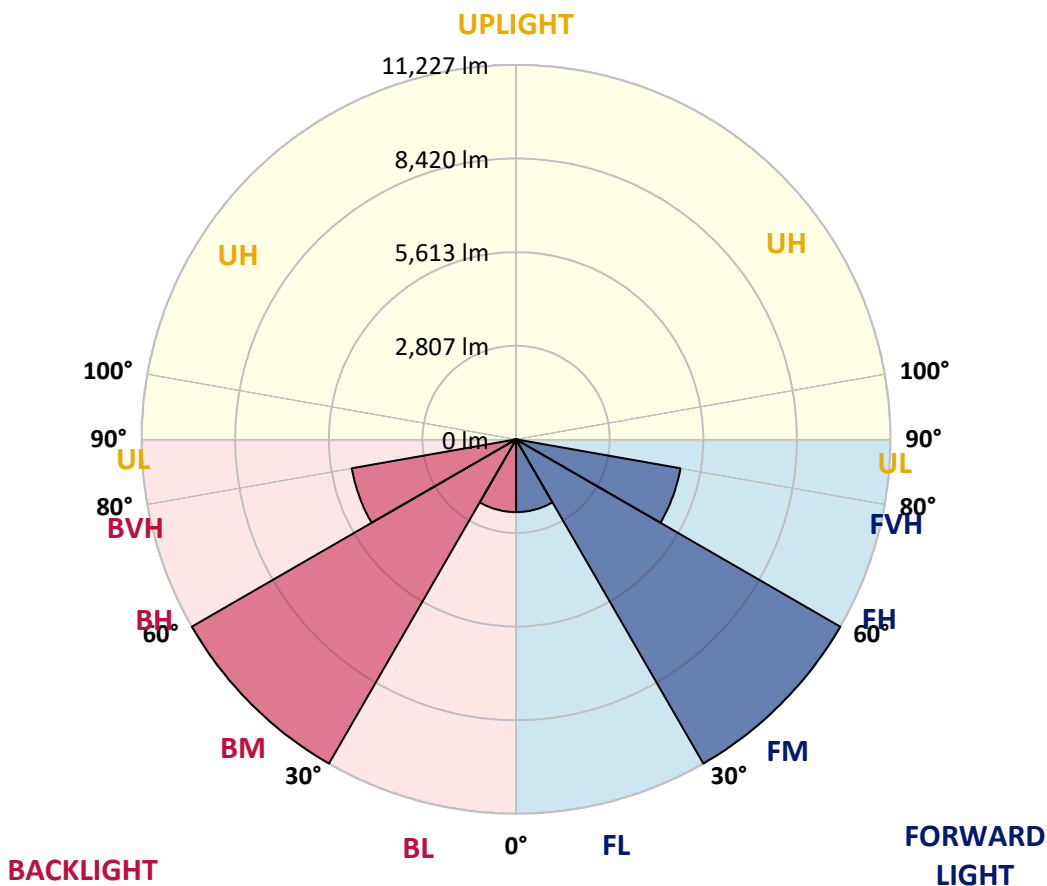
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2182.3	5.9			
FM (30°-60°)	11226.9	30.4			
FH (60°-80°)	5003.1	13.5			G3/7500
FVH (80°-90°)	51.5	0.1			G1/100
BL (0°-30°)	2182.3	5.9	B3/2500		
BM (30°-60°)	11226.9	30.4	B5		
BH (60°-80°)	5003.1	13.5	B5		G3/7500
BVH (80°-90°)	51.5	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-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4308.1	4308.1	4308.1	4308.1	4308.1	4308.1	4308.1	4308.1	4308.1	4308.1	4308.1
2.5°	4303.0	4303.0	4313.2	4320.8	4315.7	4336.0	4333.4	4328.4	4325.8	4318.2	4341.0
5°	4361.3	4361.3	4368.9	4376.5	4363.8	4389.1	4379.0	4374.0	4371.4	4361.3	4381.6
7.5°	4427.1	4434.7	4437.3	4449.9	4442.3	4470.2	4462.6	4452.5	4447.4	4434.7	4452.5
10°	4500.6	4505.7	4508.2	4531.0	4533.5	4566.4	4558.8	4546.2	4536.0	4523.4	4548.7
12.5°	4599.4	4601.9	4609.5	4637.4	4645.0	4670.3	4667.7	4650.0	4637.4	4619.6	4647.5
15°	4726.0	4728.5	4741.2	4769.1	4781.7	4812.1	4802.0	4774.1	4756.4	4736.1	4758.9
17.5°	4857.7	4867.8	4880.5	4908.3	4926.1	4961.5	4948.9	4918.5	4903.3	4883.0	4898.2
20°	5027.4	5029.9	5037.5	5067.9	5080.6	5121.1	5123.6	5093.2	5085.6	5065.4	5088.2
22.5°	5214.8	5217.3	5224.9	5257.9	5280.7	5306.0	5321.2	5303.4	5290.8	5265.5	5293.3
25°	5422.5	5447.8	5455.4	5495.9	5521.3	5536.5	5554.2	5546.6	5528.9	5498.5	5511.1
27.5°	5713.7	5718.8	5731.5	5777.1	5792.3	5807.5	5825.2	5827.7	5802.4	5766.9	5784.7
30°	6045.5	6043.0	6070.9	6106.3	6119.0	6131.6	6157.0	6172.2	6139.2	6101.2	6119.0
32.5°	6384.9	6415.3	6450.8	6483.7	6476.1	6481.1	6521.7	6549.5	6503.9	6435.6	6450.8
35°	6767.3	6787.6	6833.2	6881.3	6871.2	6863.6	6888.9	6916.8	6853.5	6764.8	6787.6
37.5°	7159.9	7190.3	7258.7	7316.9	7301.7	7266.3	7294.1	7324.5	7263.7	7162.4	7152.3
40°	7598.1	7646.2	7745.0	7793.1	7752.6	7684.2	7732.3	7805.7	7745.0	7628.5	7600.6
42.5°	8112.2	8170.5	8269.2	8342.7	8254.0	8142.6	8223.6	8330.0	8314.8	8160.3	8112.2
45°	8747.9	8785.9	8907.5	8942.9	8811.2	8656.7	8803.6	8965.7	8927.7	8760.6	8697.3
47.5°	9439.3	9497.6	9604.0	9669.8	9457.1	9264.6	9469.7	9687.5	9647.0	9490.0	9416.5
50°	10320.7	10396.7	10536.0	10591.7	10297.9	10077.6	10341.0	10617.0	10538.5	10328.3	10232.1
52.5°	11280.6	11341.4	11579.5	11690.9	11414.8	11176.8	11407.2	11678.2	11511.1	11232.5	11103.3
55°	12126.5	12187.3	12536.8	12906.6	12893.9	12729.3	12845.8	12850.9	12397.5	11936.6	11799.8
57.5°	12308.9	12369.6	13035.7	14003.2	14687.1	14877.0	14535.1	13815.8	12673.6	11865.6	11711.1
60°	11336.3	11404.7	12463.4	14231.2	16480.2	17749.1	16173.7	13795.6	11820.1	10725.9	10579.0
62.5°	8783.4	8856.8	10280.2	12934.4	17204.6	20623.7	16649.9	12344.3	9723.0	8337.6	8208.4
65°	4194.1	4194.1	6002.5	9277.2	15760.9	20555.3	15272.1	9132.9	5853.0	4495.5	4384.1
67.5°	1038.4	1043.5	1544.9	3611.6	10720.9	16404.2	10895.6	4384.1	2061.6	1458.8	1420.8
70°	648.4	645.8	716.8	977.6	3750.9	9956.0	4455.0	1322.1	838.3	739.5	734.5
72.5°	504.0	504.0	539.5	625.6	982.7	3391.3	1299.3	734.5	607.8	547.1	547.1
75°	397.6	397.6	423.0	468.5	580.0	873.8	691.4	544.5	471.1	430.6	425.5
77.5°	296.3	301.4	321.7	352.0	395.1	491.3	438.2	410.3	367.2	336.8	326.7
80°	192.5	200.1	225.4	243.1	258.3	324.2	286.2	298.9	278.6	243.1	238.1
82.5°	103.8	106.4	136.8	141.8	146.9	177.3	182.4	190.0	197.5	154.5	144.4
85°	38.0	38.0	45.6	53.2	58.3	63.3	86.1	106.4	111.4	88.6	86.1
87.5°	7.6	7.6	7.6	5.1	5.1	5.1	15.2	27.9	45.6	35.5	35.5
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)