

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: P642139

Luminaire Tested: GWS-SA6C-735-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642139
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-SA6C-735-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24521.3 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 189.2
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

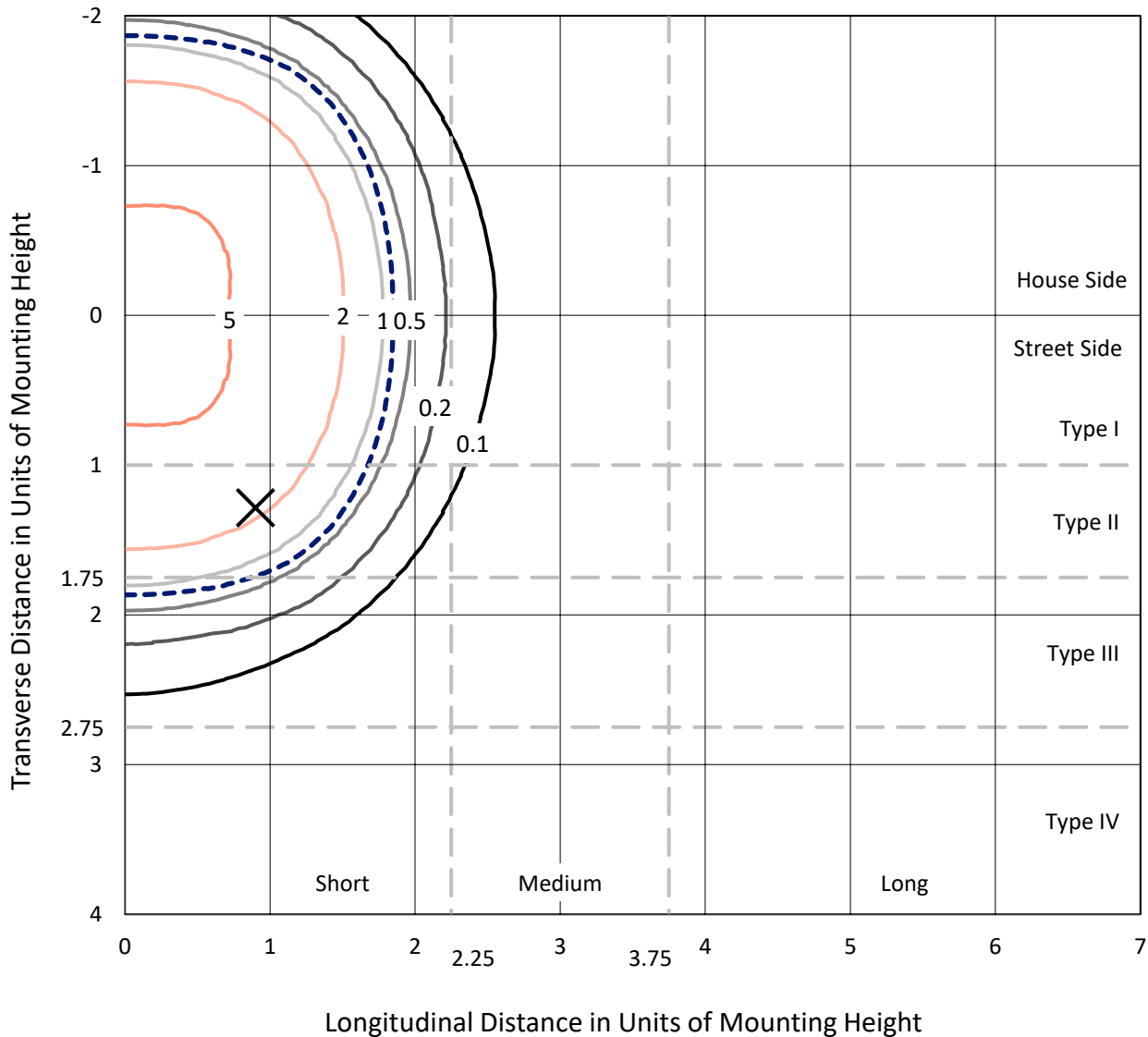


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Iso-Footcandle Lines of Horizontal Illumination

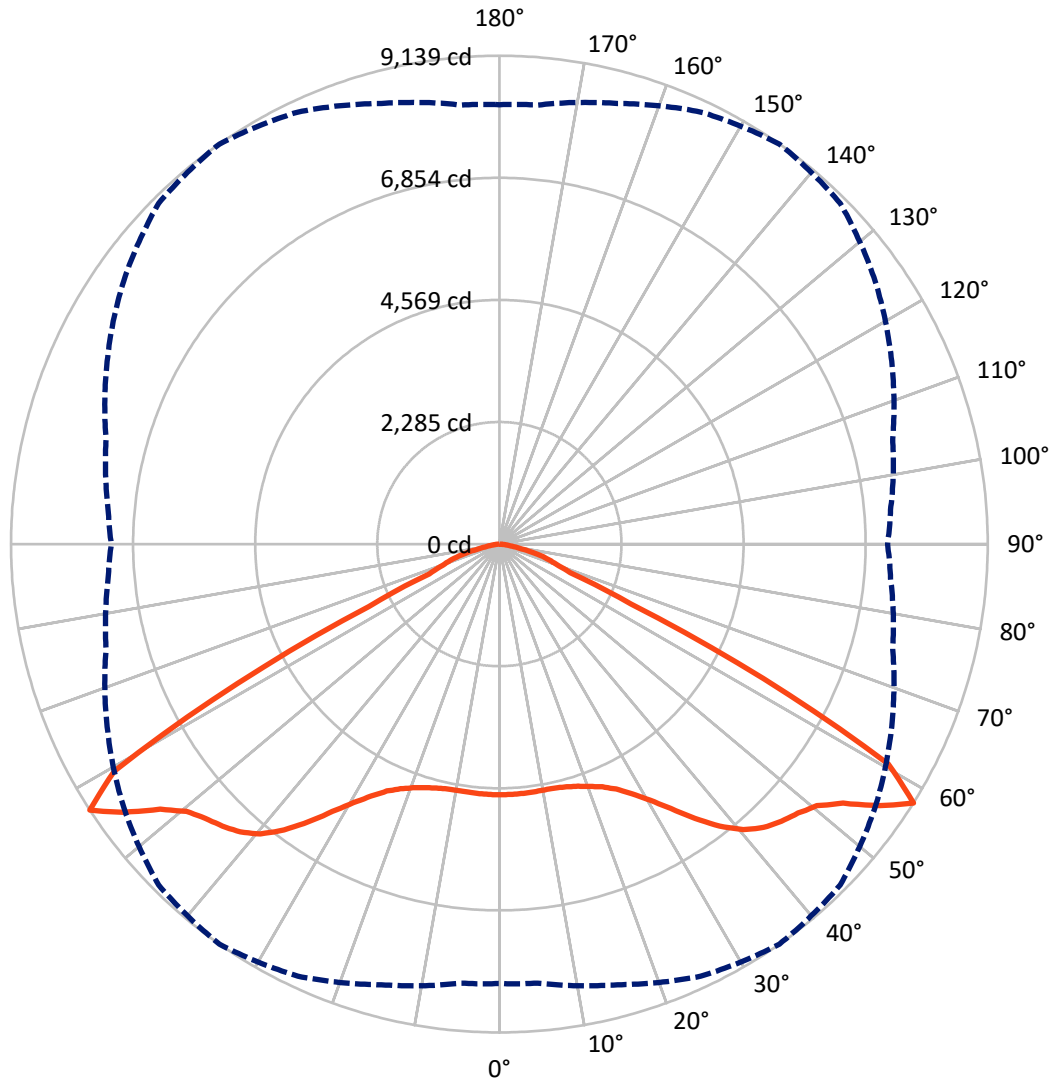
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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	12260.6	0.0	12260.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12260.6	0.0	12260.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	24521.3	0.0	24521.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	446.4	1.8
10°-20°	1331.7	5.4
20°-30°	2323.5	9.5
30°-40°	3810.1	15.5
40°-50°	5611.4	22.9
50°-60°	7161.1	29.2
60°-70°	3018.0	12.3
70°-80°	720.9	2.9
80°-90°	98.1	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°	24521.3	100.0
0°-180°	24521.3	100.0

Coefficient of Utilization



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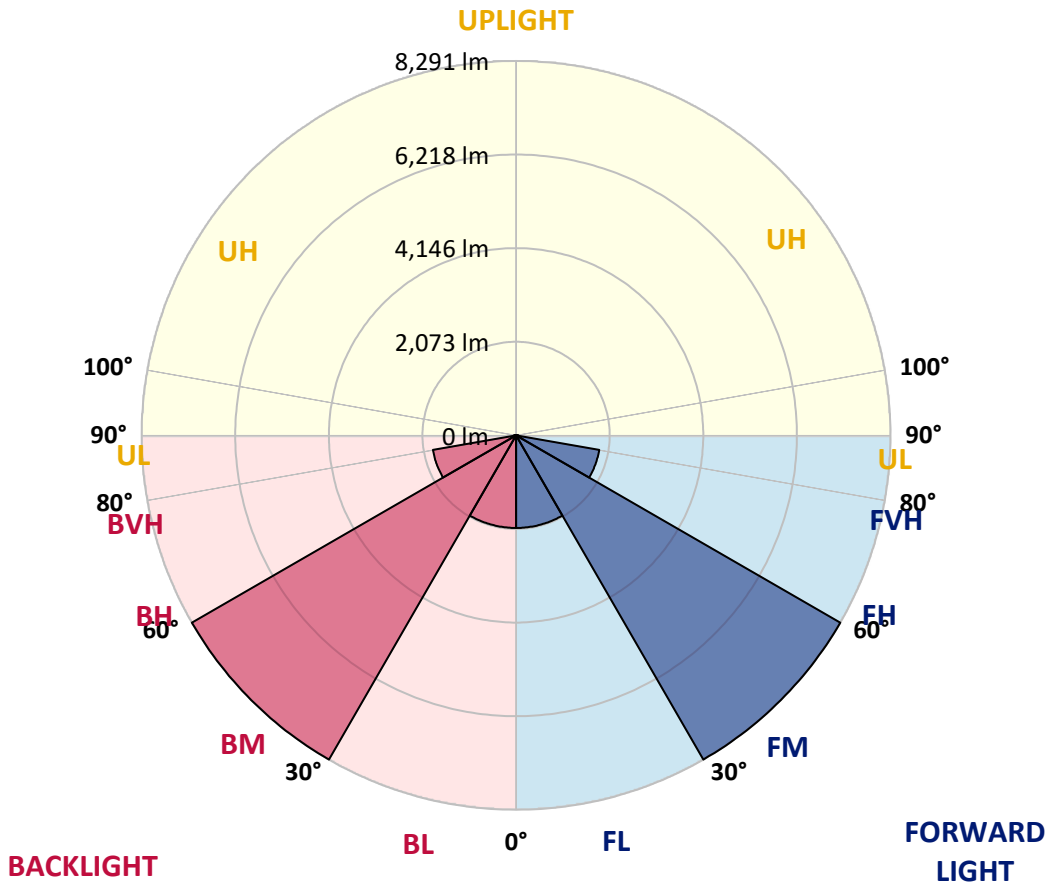
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2050.8	8.4			
FM (30°-60°)	8291.3	33.8			
FH (60°-80°)	1869.5	7.6			G2/5000
FVH (80°-90°)	49.1	0.2			G1/100
BL (0°-30°)	2050.8	8.4	B3/2500		
BM (30°-60°)	8291.3	33.8	B4/8500		
BH (60°-80°)	1869.5	7.6	B3/2500		G2/5000
BVH (80°-90°)	49.1	0.2			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°	4691.9	4691.9	4691.9	4691.9	4691.9	4691.9	4691.9	4691.9	4691.9	4691.9	4691.9
2.5°	4663.8	4663.8	4673.8	4683.8	4687.9	4705.9	4703.9	4697.9	4693.9	4681.8	4697.9
5°	4673.8	4673.8	4681.8	4687.9	4685.8	4699.9	4693.9	4683.8	4677.8	4665.8	4683.8
7.5°	4671.8	4671.8	4677.8	4683.8	4679.8	4691.9	4681.8	4667.8	4657.7	4645.7	4661.8
10°	4645.7	4649.7	4655.7	4669.8	4675.8	4693.9	4679.8	4657.7	4641.7	4627.6	4643.7
12.5°	4641.7	4645.7	4653.7	4671.8	4681.8	4707.9	4689.9	4653.7	4629.6	4611.6	4627.6
15°	4659.7	4663.8	4675.8	4697.9	4714.0	4742.1	4716.0	4665.8	4631.6	4607.5	4621.6
17.5°	4681.8	4687.9	4705.9	4738.0	4764.1	4794.3	4762.1	4701.9	4653.7	4621.6	4633.6
20°	4705.9	4714.0	4742.1	4790.2	4838.4	4876.6	4836.4	4756.1	4697.9	4655.7	4667.8
22.5°	4748.1	4758.1	4794.3	4862.5	4934.8	4991.0	4940.8	4832.4	4756.1	4701.9	4711.9
25°	4834.4	4846.5	4892.6	4974.9	5077.3	5145.6	5075.3	4952.9	4846.5	4780.2	4790.2
27.5°	4987.0	4993.0	5053.2	5161.7	5288.1	5366.4	5282.1	5137.6	5019.1	4942.8	4950.9
30°	5187.8	5205.8	5266.1	5408.6	5559.2	5663.6	5553.2	5382.5	5246.0	5153.6	5161.7
32.5°	5432.7	5444.7	5535.1	5683.6	5900.5	6020.9	5870.4	5667.6	5503.0	5390.5	5398.6
35°	5753.9	5764.0	5850.3	6039.0	6302.0	6414.4	6241.8	6008.9	5818.2	5711.8	5741.9
37.5°	6137.4	6155.4	6217.7	6404.4	6697.5	6807.9	6609.2	6392.3	6193.6	6095.2	6117.3
40°	6548.9	6546.9	6597.1	6761.8	7028.8	7097.0	6918.4	6745.7	6575.0	6510.8	6546.9
42.5°	6902.3	6892.3	6928.4	7064.9	7249.6	7255.6	7137.2	7040.8	6920.4	6876.2	6910.3
45°	7149.2	7153.2	7207.5	7301.8	7396.2	7346.0	7309.8	7293.8	7199.4	7139.2	7145.2
47.5°	7344.0	7360.0	7446.4	7510.6	7522.7	7438.3	7488.5	7512.6	7434.3	7342.0	7315.9
50°	7516.6	7542.7	7655.2	7723.4	7697.3	7590.9	7689.3	7725.4	7552.8	7376.1	7323.9
52.5°	7829.8	7859.9	7996.5	8084.8	8054.7	7948.3	8040.6	7912.1	7621.0	7404.2	7337.9
55°	8329.7	8343.8	8510.4	8655.0	8640.9	8510.4	8436.1	8151.0	7797.7	7572.8	7510.6
57.5°	8223.3	8247.4	8536.5	8922.0	9138.8	9020.4	8584.7	8098.8	7619.0	7348.0	7263.7
60°	6470.6	6528.9	6888.2	7566.8	8361.8	8359.8	7550.8	6795.9	6217.7	5858.3	5822.2
62.5°	3778.4	3818.5	4145.8	4832.4	5545.1	5589.3	5021.1	4503.2	3997.2	3754.3	3637.9
65°	1788.8	1786.8	1917.3	2226.5	2708.3	2746.5	2575.8	2292.7	1993.6	1911.3	1889.2
67.5°	1321.0	1321.0	1311.0	1333.1	1425.4	1445.5	1425.4	1379.3	1351.1	1369.2	1357.2
70°	1146.4	1148.4	1136.3	1130.3	1130.3	1124.3	1132.3	1150.4	1162.4	1186.5	1174.5
72.5°	929.5	931.5	931.5	933.6	935.6	927.5	939.6	949.6	951.6	959.7	951.6
75°	660.5	664.5	676.6	686.6	694.6	694.6	698.7	700.7	692.6	702.7	686.6
77.5°	363.4	367.4	389.5	407.6	425.6	427.6	433.7	437.7	433.7	441.7	429.6
80°	200.8	204.8	214.8	222.8	236.9	248.9	257.0	261.0	261.0	267.0	261.0
82.5°	114.4	118.5	124.5	128.5	140.5	150.6	158.6	164.6	164.6	166.6	162.6
85°	54.2	54.2	58.2	62.2	68.3	72.3	82.3	88.3	88.3	92.4	88.3
87.5°	8.0	10.0	12.0	12.0	16.1	20.1	24.1	26.1	30.1	32.1	32.1
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)