

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: P642250

Luminaire Tested: GWS-SA6C-750-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642250
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-750-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30079.2 lumens
Efficiency: N/A
Efficacy: 159.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

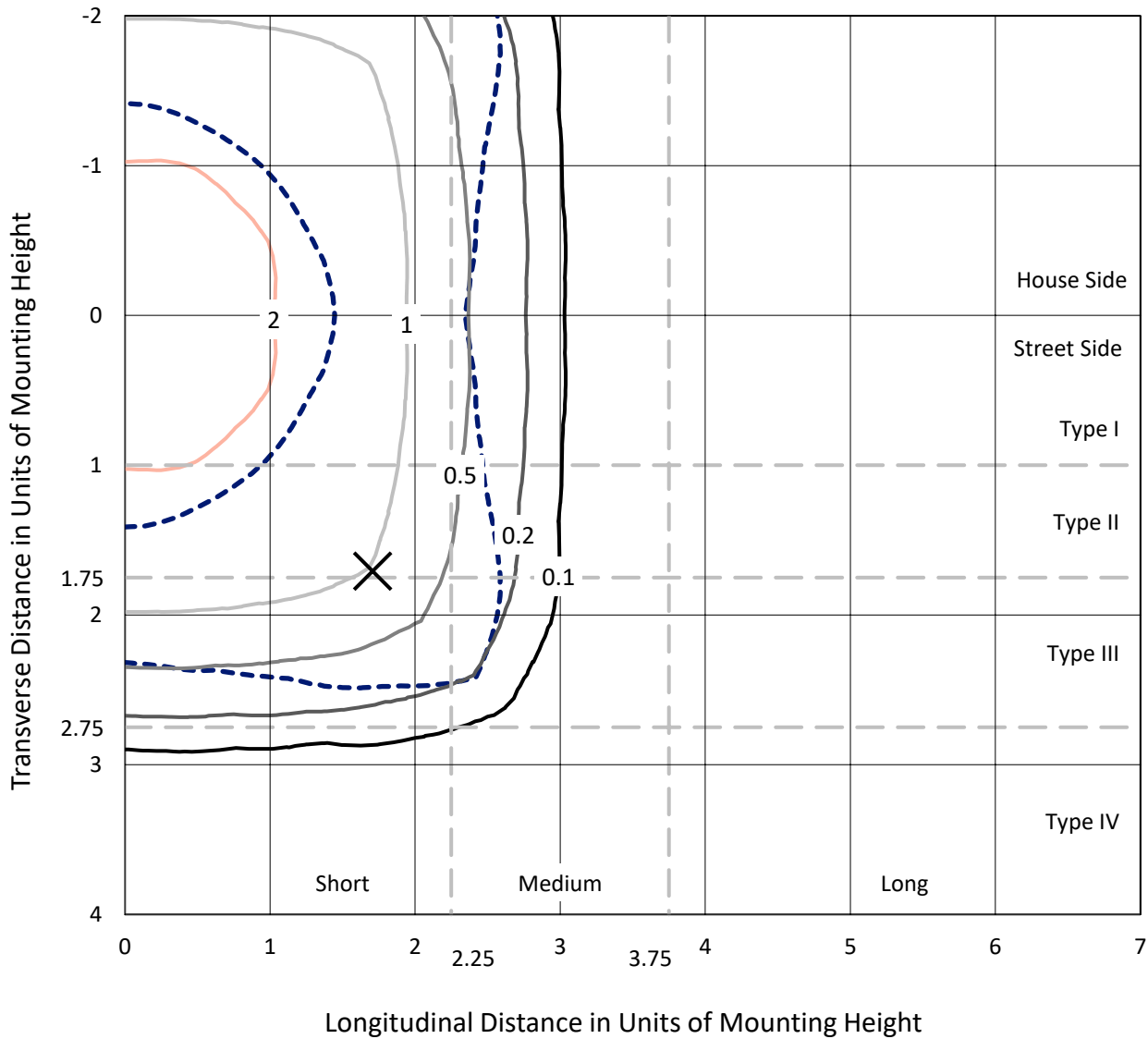
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

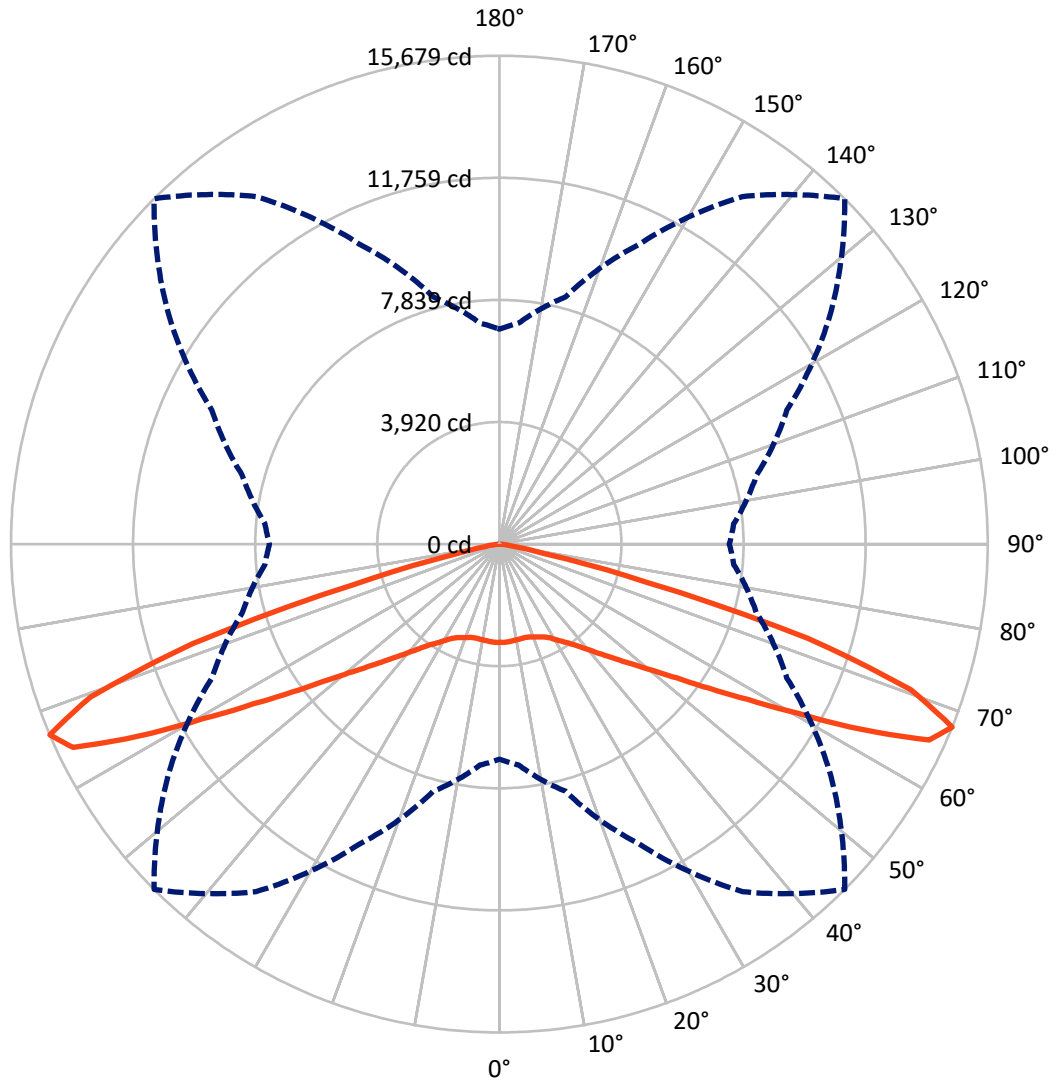
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15039.6	0.0	15039.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15039.6	0.0	15039.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	30079.2	0.0	30079.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.2	1.0
10°-20°	875.7	2.9
20°-30°	1510.4	5.0
30°-40°	2455.9	8.2
40°-50°	4135.3	13.7
50°-60°	7327.0	24.4
60°-70°	10473.4	34.8
70°-80°	2874.5	9.6
80°-90°	128.8	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°	30079.2	100.0
0°-180°	30079.2	100.0

Coefficient of Utilization



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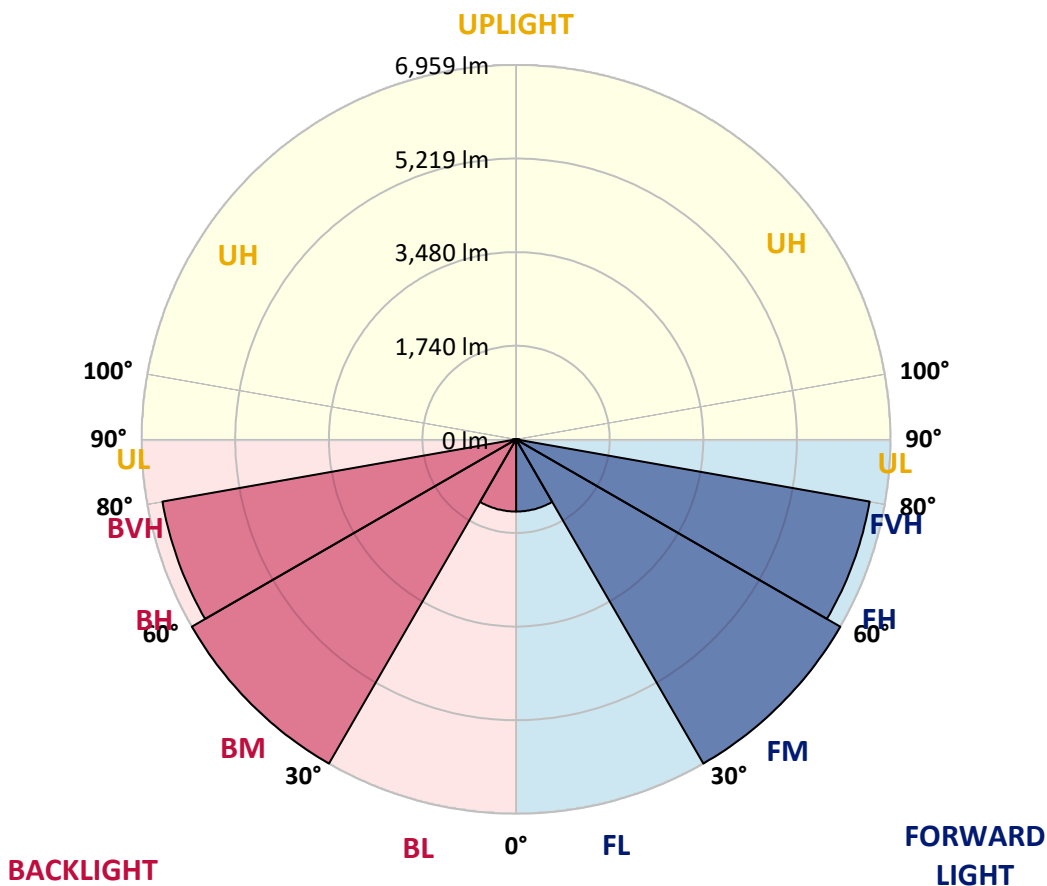
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1342.1	4.5			
FM (30°-60°)	6959.1	23.1			
FH (60°-80°)	6674.0	22.2			G3/7500
FVH (80°-90°)	64.4	0.2			G1/100
BL (0°-30°)	1342.1	4.5	B3/2500		
BM (30°-60°)	6959.1	23.1	B4/8500		
BH (60°-80°)	6674.0	22.2	B5		G3/7500
BVH (80°-90°)	64.4	0.2			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°	3150.3	3150.3	3150.3	3150.3	3150.3	3150.3	3150.3	3150.3	3150.3	3150.3	3150.3
2.5°	3129.4	3127.4	3137.8	3144.0	3141.9	3156.5	3154.4	3150.3	3150.3	3144.0	3160.7
5°	3129.4	3127.4	3135.7	3137.8	3133.6	3146.1	3141.9	3137.8	3137.8	3129.4	3144.0
7.5°	3112.8	3114.9	3121.1	3125.3	3121.1	3131.5	3125.3	3117.0	3114.9	3106.5	3121.1
10°	3081.6	3083.6	3089.9	3100.3	3102.4	3121.1	3110.7	3096.1	3089.9	3081.6	3096.1
12.5°	3062.8	3064.9	3071.1	3083.6	3087.8	3112.8	3102.4	3079.5	3069.1	3060.7	3075.3
15°	3058.7	3060.7	3069.1	3081.6	3087.8	3112.8	3102.4	3075.3	3060.7	3050.3	3062.8
17.5°	3058.7	3062.8	3075.3	3094.0	3106.5	3131.5	3119.0	3087.8	3067.0	3048.2	3060.7
20°	3060.7	3067.0	3085.7	3112.8	3144.0	3179.4	3162.8	3121.1	3092.0	3069.1	3077.4
22.5°	3079.5	3089.9	3112.8	3148.2	3194.0	3235.6	3221.1	3164.8	3123.2	3092.0	3100.3
25°	3144.0	3148.2	3177.3	3223.1	3266.9	3302.3	3287.7	3235.6	3183.6	3146.1	3156.5
27.5°	3258.5	3268.9	3293.9	3341.8	3379.3	3398.0	3396.0	3360.6	3308.5	3275.2	3283.5
30°	3396.0	3406.4	3439.7	3493.8	3531.3	3552.1	3545.9	3518.8	3470.9	3425.1	3433.4
32.5°	3556.3	3560.4	3600.0	3660.4	3699.9	3731.2	3710.4	3681.2	3620.8	3566.7	3570.9
35°	3760.3	3766.6	3808.2	3864.4	3895.7	3920.7	3916.5	3887.3	3822.8	3764.5	3779.1
37.5°	4016.4	4020.6	4058.1	4128.9	4153.9	4172.6	4176.8	4162.2	4095.6	4020.6	4035.2
40°	4335.0	4337.1	4378.7	4441.2	4468.3	4480.7	4482.8	4484.9	4416.2	4360.0	4355.8
42.5°	4705.6	4716.0	4774.3	4834.7	4847.2	4841.0	4861.8	4882.6	4816.0	4738.9	4745.2
45°	5149.1	5155.4	5234.5	5301.1	5278.2	5257.4	5296.9	5338.6	5278.2	5178.3	5149.1
47.5°	5673.8	5686.3	5771.7	5838.3	5800.8	5763.3	5827.9	5871.6	5773.8	5667.6	5640.5
50°	6267.2	6275.5	6396.3	6479.6	6435.9	6367.2	6448.4	6494.2	6363.0	6231.8	6173.5
52.5°	6968.9	6952.2	7112.6	7258.3	7231.2	7141.7	7208.3	7216.7	7021.0	6835.6	6777.3
55°	7824.7	7808.0	7968.3	8128.6	8195.3	8172.4	8141.1	8091.2	7801.7	7603.9	7549.8
57.5°	8822.0	8769.9	8994.8	9211.4	9357.1	9398.7	9265.5	9148.9	8919.9	8676.2	8613.8
60°	9748.5	9746.5	10102.5	10477.3	10877.1	11043.6	10706.3	10389.8	9875.6	9432.1	9342.5
62.5°	10008.8	10052.5	10635.5	11564.2	12551.1	13140.3	12251.3	11204.0	10210.8	9542.4	9423.7
65°	9367.5	9475.8	10304.5	11770.3	13719.2	15160.0	13152.8	11222.7	9838.1	9005.2	8880.3
67.5°	6904.4	7120.9	8218.2	10621.0	13619.2	15678.5	12992.5	10183.7	8545.1	7554.0	7381.2
70°	3406.4	3612.5	4482.8	6987.6	11206.0	14014.8	11241.4	7674.7	5771.7	4818.1	4659.8
72.5°	1253.4	1336.7	1678.2	2989.9	6183.9	10352.4	7687.2	4287.1	2796.3	2225.8	2119.6
75°	614.2	628.8	680.9	1003.6	2282.0	4872.2	3612.5	1644.9	1028.6	895.3	866.2
77.5°	391.4	397.7	422.7	478.9	732.9	1534.5	1095.2	649.6	503.9	483.1	483.1
80°	218.6	224.9	258.2	297.7	343.6	526.8	393.5	389.4	331.1	289.4	283.2
82.5°	104.1	114.5	164.5	162.4	181.1	264.4	231.1	210.3	212.4	160.3	152.0
85°	47.9	47.9	64.5	77.0	81.2	89.5	106.2	120.8	118.7	81.2	87.4
87.5°	22.9	22.9	22.9	20.8	18.7	16.7	22.9	37.5	54.1	37.5	35.4
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)