

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: P642414

Luminaire Tested: GWS-SA6C-830-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642414
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-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19750.1 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

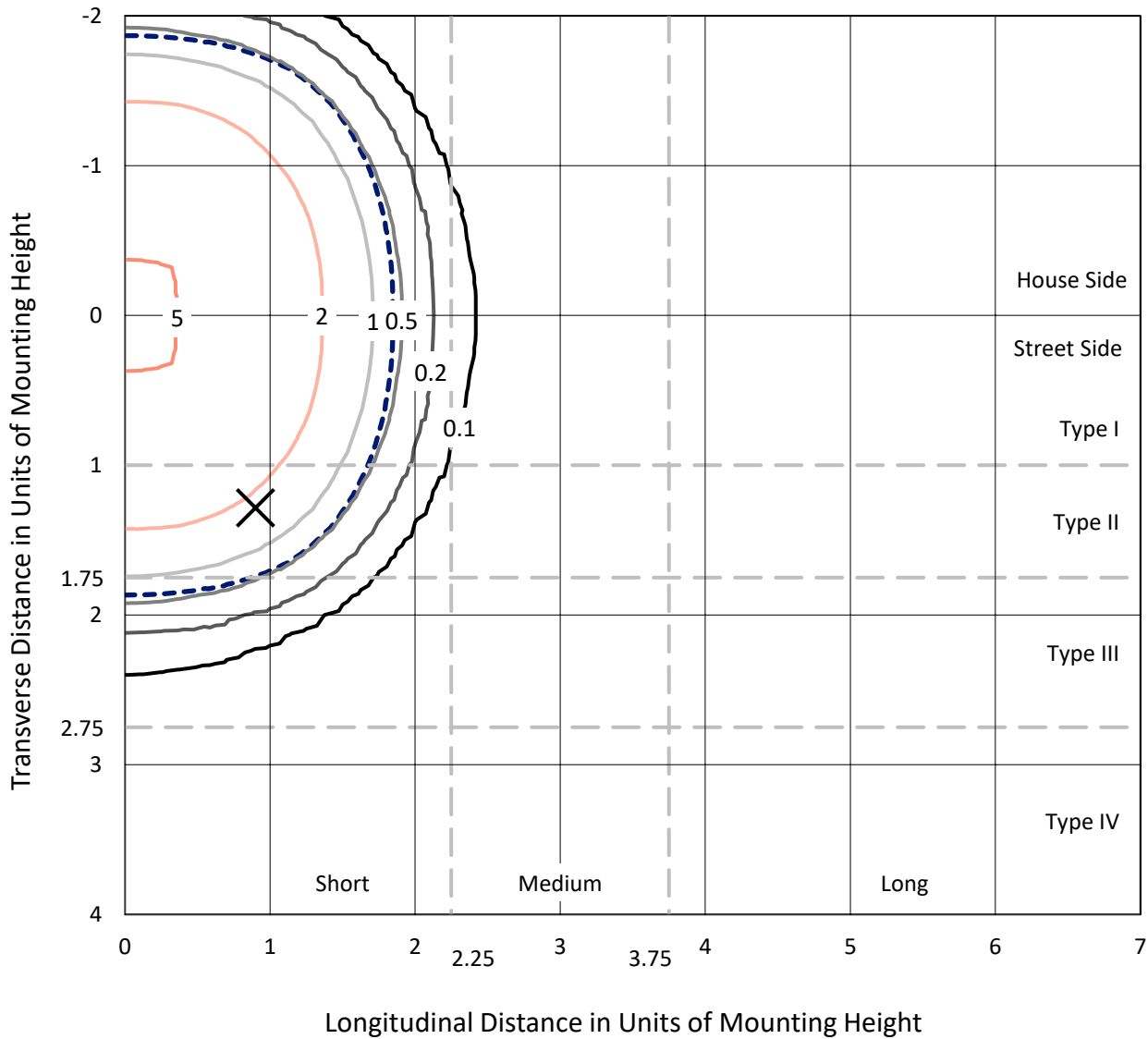
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

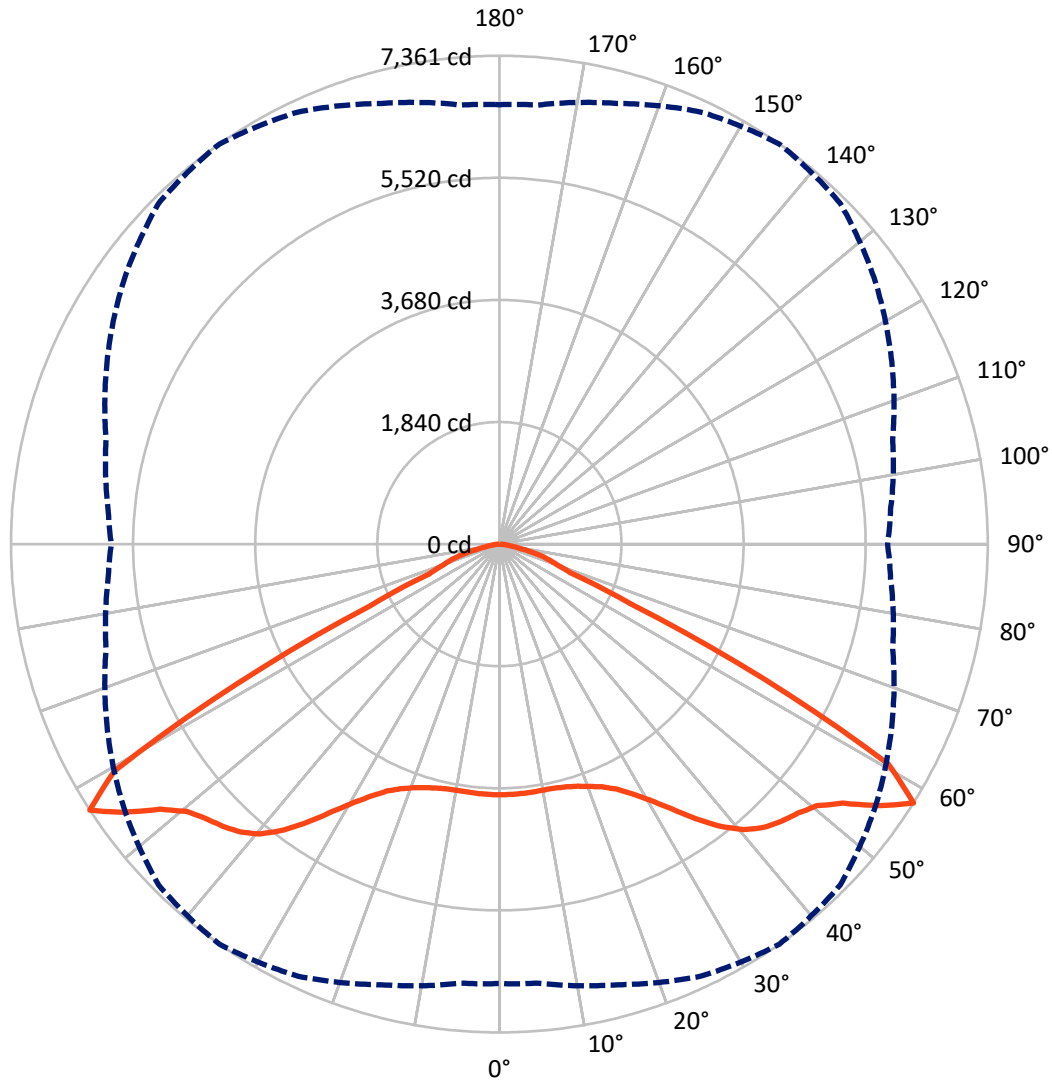
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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	9875.0	0.0	9875.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9875.0	0.0	9875.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19750.1	0.0	19750.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	359.5	1.8
10°-20°	1072.6	5.4
20°-30°	1871.4	9.5
30°-40°	3068.8	15.5
40°-50°	4519.6	22.9
50°-60°	5767.8	29.2
60°-70°	2430.8	12.3
70°-80°	580.7	2.9
80°-90°	79.0	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°	19750.1	100.0
0°-180°	19750.1	100.0

Coefficient of Utilization



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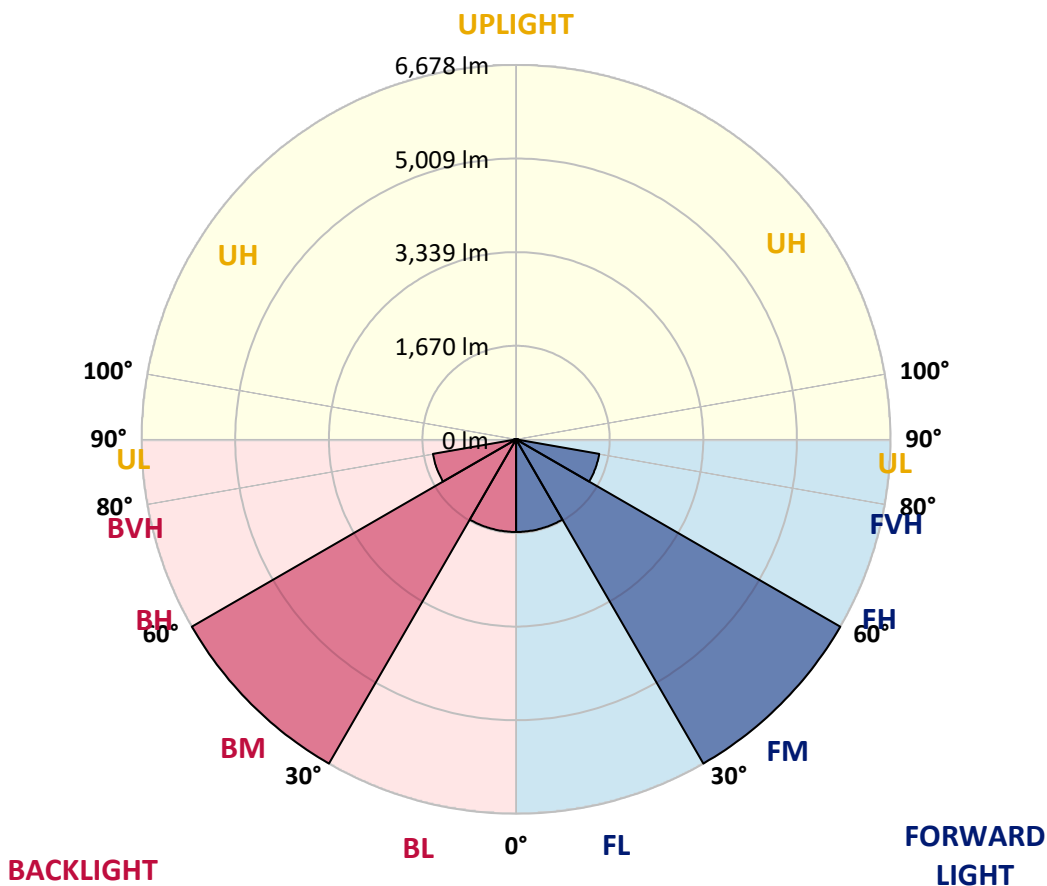
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1651.8	8.4			
FM (30°-60°)	6678.0	33.8			
FH (60°-80°)	1505.7	7.6			G1/1800
FVH (80°-90°)	39.5	0.2			G1/100
BL (0°-30°)	1651.8	8.4	B3/2500		
BM (30°-60°)	6678.0	33.8	B4/8500		
BH (60°-80°)	1505.7	7.6	B3/2500		G1/1800
BVH (80°-90°)	39.5	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3779.0	3779.0	3779.0	3779.0	3779.0	3779.0	3779.0	3779.0	3779.0	3779.0	3779.0
2.5°	3756.3	3756.3	3764.4	3772.5	3775.7	3790.3	3788.7	3783.8	3780.6	3770.9	3783.8
5°	3764.4	3764.4	3770.9	3775.7	3774.1	3785.4	3780.6	3772.5	3767.6	3757.9	3772.5
7.5°	3762.8	3762.8	3767.6	3772.5	3769.3	3779.0	3770.9	3759.6	3751.5	3741.8	3754.7
10°	3741.8	3745.0	3749.8	3761.2	3766.0	3780.6	3769.3	3751.5	3738.5	3727.2	3740.1
12.5°	3738.5	3741.8	3748.2	3762.8	3770.9	3791.9	3777.3	3748.2	3728.8	3714.3	3727.2
15°	3753.1	3756.3	3766.0	3783.8	3796.7	3819.4	3798.4	3757.9	3730.4	3711.0	3722.4
17.5°	3770.9	3775.7	3790.3	3816.1	3837.2	3861.4	3835.6	3787.0	3748.2	3722.4	3732.1
20°	3790.3	3796.7	3819.4	3858.2	3897.0	3927.7	3895.4	3830.7	3783.8	3749.8	3759.6
22.5°	3824.2	3832.3	3861.4	3916.4	3974.6	4019.9	3979.5	3892.1	3830.7	3787.0	3795.1
25°	3893.8	3903.5	3940.7	4007.0	4089.4	4144.4	4087.8	3989.2	3903.5	3850.1	3858.2
27.5°	4016.7	4021.5	4070.0	4157.3	4259.2	4322.3	4254.4	4137.9	4042.5	3981.1	3987.6
30°	4178.4	4192.9	4241.4	4356.2	4477.5	4561.6	4472.7	4335.2	4225.3	4150.9	4157.3
32.5°	4375.6	4385.3	4458.1	4577.8	4752.4	4849.4	4728.1	4564.8	4432.2	4341.7	4348.1
35°	4634.4	4642.4	4712.0	4864.0	5075.8	5166.4	5027.3	4839.7	4686.1	4600.4	4624.7
37.5°	4943.2	4957.8	5007.9	5158.3	5394.3	5483.3	5323.2	5148.6	4988.5	4909.2	4927.0
40°	5274.7	5273.1	5313.5	5446.1	5661.2	5716.1	5572.2	5433.2	5295.7	5244.0	5273.1
42.5°	5559.3	5551.2	5580.3	5690.3	5839.0	5843.9	5748.5	5670.9	5573.8	5538.3	5565.8
45°	5758.2	5761.4	5805.1	5881.1	5957.1	5916.6	5887.5	5874.6	5798.6	5750.1	5754.9
47.5°	5915.0	5928.0	5997.5	6049.2	6058.9	5991.0	6031.5	6050.9	5987.8	5913.4	5892.4
50°	6054.1	6075.1	6165.7	6220.6	6199.6	6113.9	6193.2	6222.3	6083.2	5940.9	5898.9
52.5°	6306.3	6330.6	6440.6	6511.7	6487.4	6401.7	6476.1	6372.6	6138.2	5963.5	5910.2
55°	6709.0	6720.3	6854.5	6970.9	6959.6	6854.5	6794.7	6565.1	6280.5	6099.4	6049.2
57.5°	6623.3	6642.7	6875.5	7186.0	7360.6	7265.2	6914.3	6523.0	6136.6	5918.3	5850.3
60°	5211.6	5258.5	5548.0	6094.5	6734.9	6733.2	6081.6	5473.6	5007.9	4718.4	4689.3
62.5°	3043.2	3075.6	3339.1	3892.1	4466.2	4501.8	4044.1	3627.0	3219.5	3023.8	2930.0
65°	1440.8	1439.1	1544.2	1793.3	2181.3	2212.1	2074.6	1846.6	1605.7	1539.4	1521.6
67.5°	1064.0	1064.0	1055.9	1073.7	1148.1	1164.2	1148.1	1110.9	1088.2	1102.8	1093.1
70°	923.3	924.9	915.2	910.4	910.4	905.5	912.0	926.5	936.2	955.7	946.0
72.5°	748.7	750.3	750.3	751.9	753.5	747.1	756.8	764.8	766.5	772.9	766.5
75°	532.0	535.2	544.9	553.0	559.5	559.5	562.7	564.3	557.9	566.0	553.0
77.5°	292.7	295.9	313.7	328.3	342.8	344.4	349.3	352.5	349.3	355.7	346.0
80°	161.7	164.9	173.0	179.5	190.8	200.5	207.0	210.2	210.2	215.1	210.2
82.5°	92.2	95.4	100.3	103.5	113.2	121.3	127.7	132.6	132.6	134.2	131.0
85°	43.7	43.7	46.9	50.1	55.0	58.2	66.3	71.1	71.1	74.4	71.1
87.5°	6.5	8.1	9.7	9.7	12.9	16.2	19.4	21.0	24.3	25.9	25.9
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)