

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: P642580

Luminaire Tested: GWS-SA6D-730-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642580
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-SA6D-730-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33780.8 lumens
Efficiency: N/A
Efficacy: 137.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

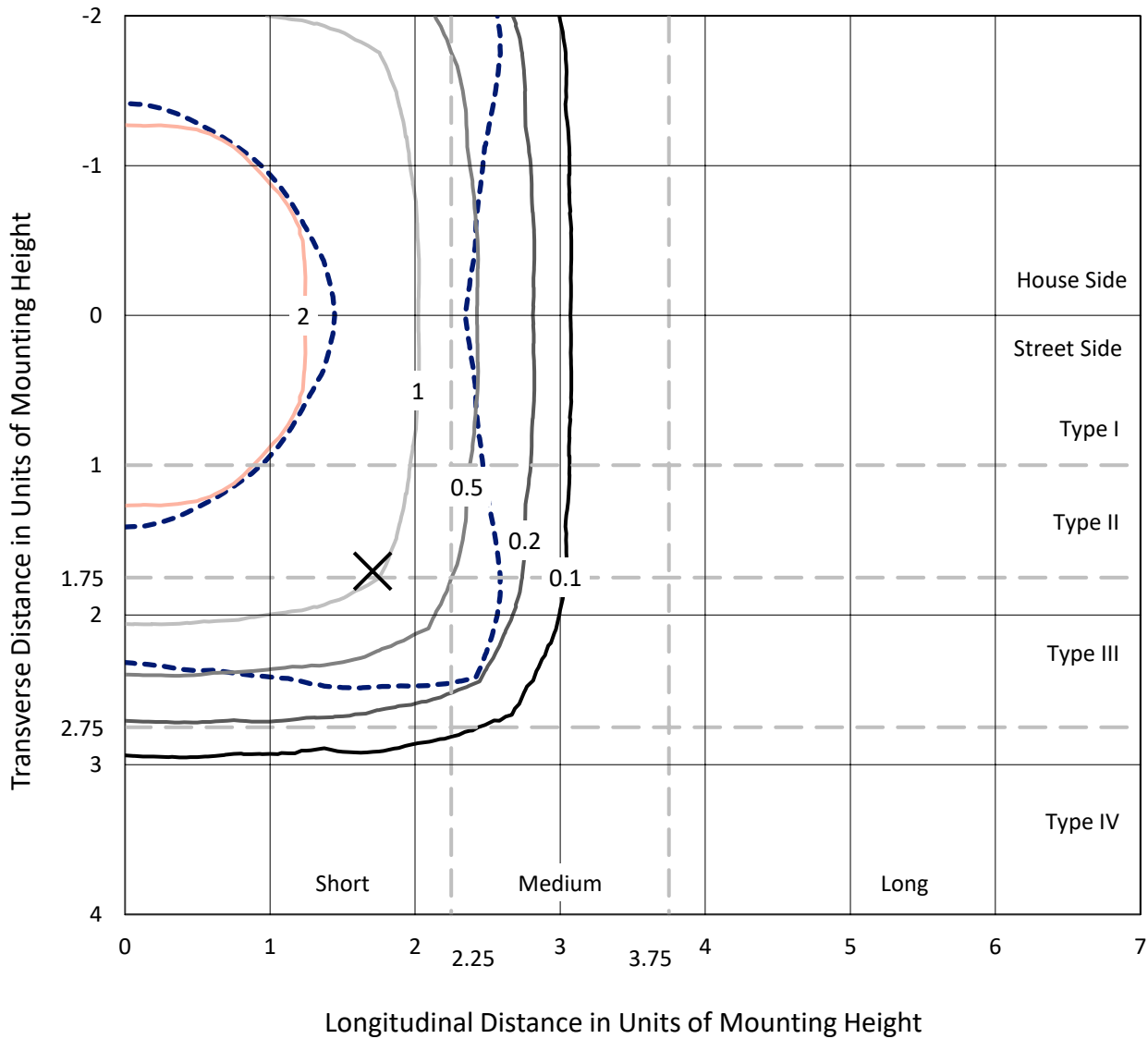
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

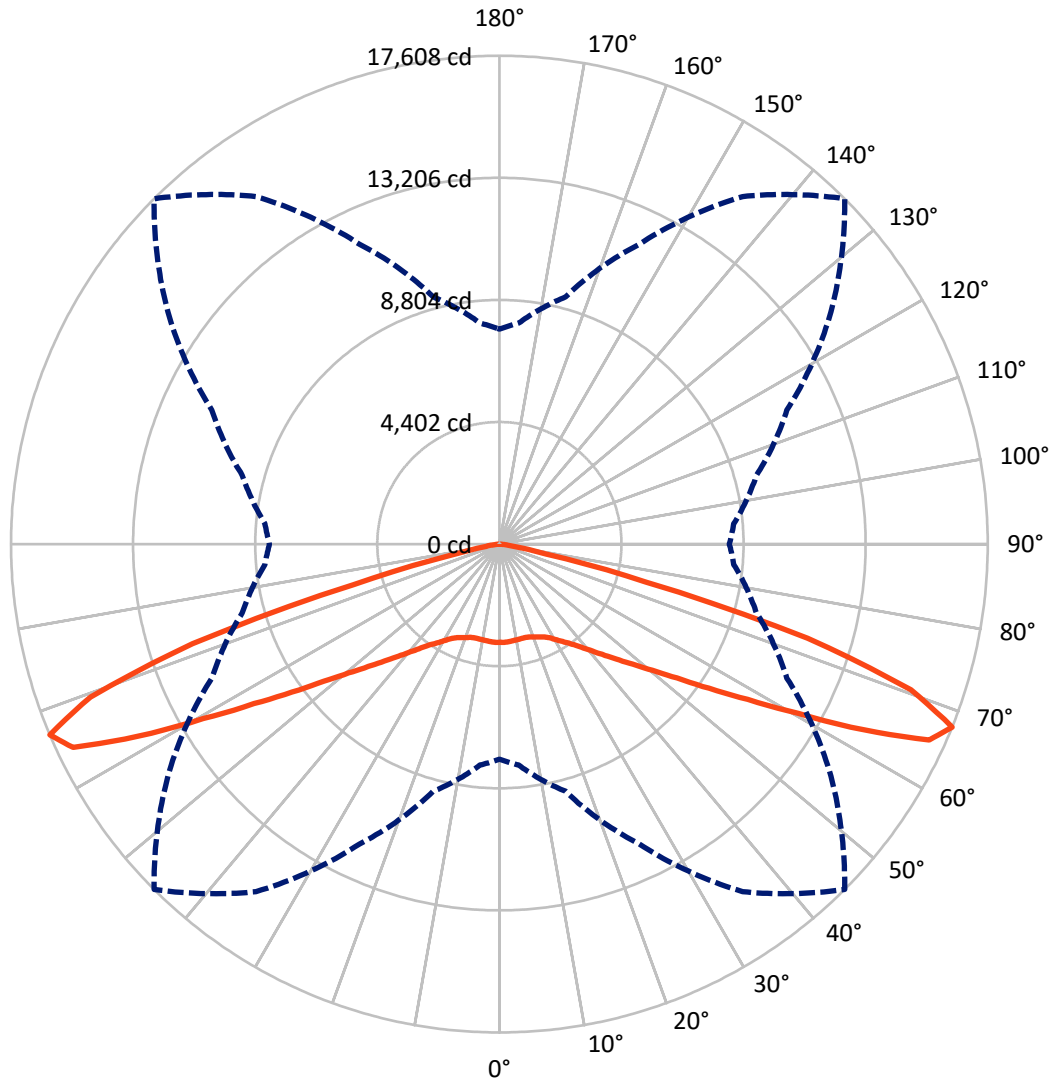
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.9 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	16890.4	0.0	16890.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16890.4	0.0	16890.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	33780.8	0.0	33780.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.8	1.0
10°-20°	983.5	2.9
20°-30°	1696.3	5.0
30°-40°	2758.2	8.2
40°-50°	4644.2	13.7
50°-60°	8228.6	24.4
60°-70°	11762.3	34.8
70°-80°	3228.3	9.6
80°-90°	144.6	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°	33780.8	100.0
0°-180°	33780.8	100.0

Coefficient of Utilization



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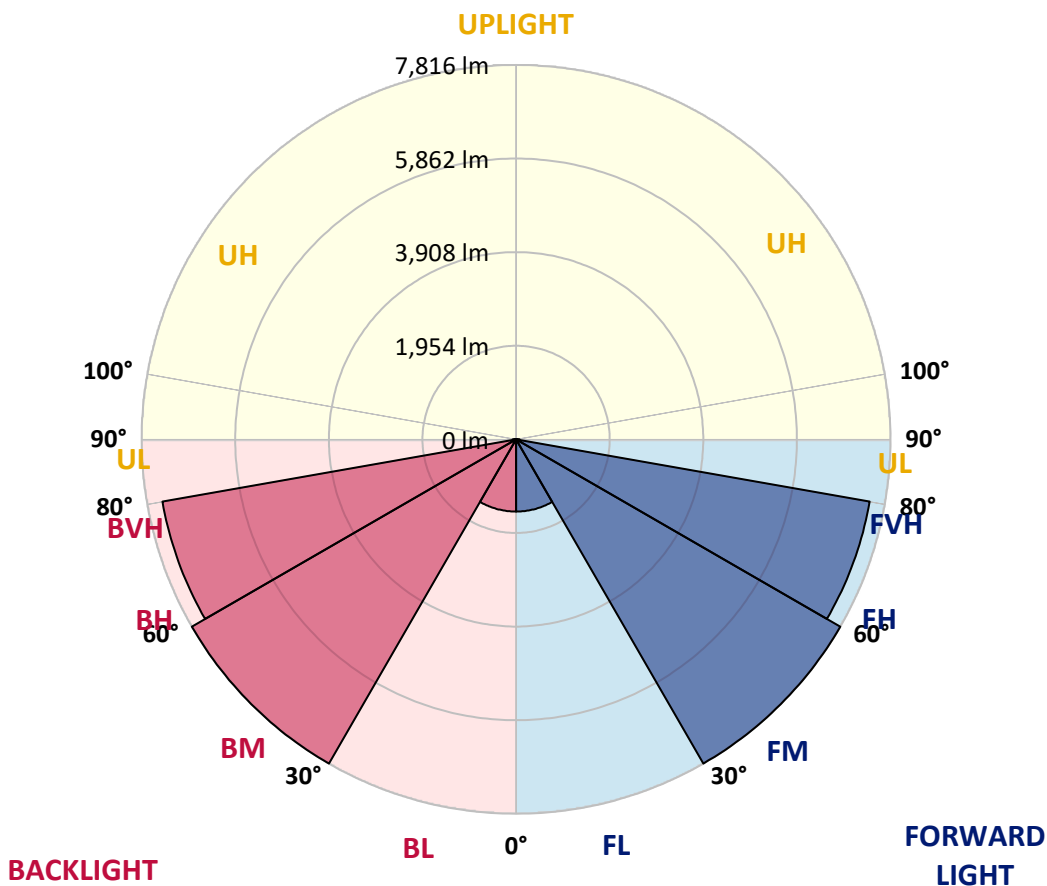
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1507.3	4.5			
FM (30°-60°)	7815.5	23.1			
FH (60°-80°)	7495.3	22.2			G3/7500
FVH (80°-90°)	72.3	0.2			G1/100
BL (0°-30°)	1507.3	4.5	B3/2500		
BM (30°-60°)	7815.5	23.1	B4/8500		
BH (60°-80°)	7495.3	22.2	B5		G3/7500
BVH (80°-90°)	72.3	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°	3537.9	3537.9	3537.9	3537.9	3537.9	3537.9	3537.9	3537.9	3537.9	3537.9	3537.9
2.5°	3514.6	3512.2	3523.9	3530.9	3528.6	3545.0	3542.6	3537.9	3537.9	3530.9	3549.6
5°	3514.6	3512.2	3521.6	3523.9	3519.2	3533.3	3528.6	3523.9	3523.9	3514.6	3530.9
7.5°	3495.9	3498.2	3505.2	3509.9	3505.2	3516.9	3509.9	3500.5	3498.2	3488.8	3505.2
10°	3460.8	3463.1	3470.1	3481.8	3484.2	3505.2	3493.5	3477.1	3470.1	3460.8	3477.1
12.5°	3439.7	3442.1	3449.1	3463.1	3467.8	3495.9	3484.2	3458.4	3446.7	3437.4	3453.8
15°	3435.1	3437.4	3446.7	3460.8	3467.8	3495.9	3484.2	3453.8	3437.4	3425.7	3439.7
17.5°	3435.1	3439.7	3453.8	3474.8	3488.8	3516.9	3502.9	3467.8	3444.4	3423.4	3437.4
20°	3437.4	3444.4	3465.5	3495.9	3530.9	3570.7	3552.0	3505.2	3472.5	3446.7	3456.1
22.5°	3458.4	3470.1	3495.9	3535.6	3587.0	3633.8	3617.4	3554.3	3507.5	3472.5	3481.8
25°	3530.9	3535.6	3568.3	3619.8	3668.9	3708.6	3692.3	3633.8	3575.4	3533.3	3545.0
27.5°	3659.5	3671.2	3699.3	3753.1	3795.2	3816.2	3813.9	3774.1	3715.7	3678.2	3687.6
30°	3813.9	3825.6	3863.0	3923.8	3965.9	3989.2	3982.2	3951.8	3898.1	3846.6	3856.0
32.5°	3993.9	3998.6	4043.0	4110.8	4155.3	4190.3	4167.0	4134.2	4066.4	4005.6	4010.3
35°	4223.1	4230.1	4276.9	4340.0	4375.1	4403.1	4398.5	4365.7	4293.2	4227.8	4244.1
37.5°	4510.7	4515.4	4557.5	4637.0	4665.0	4686.1	4690.8	4674.4	4599.6	4515.4	4531.7
40°	4868.5	4870.8	4917.6	4987.7	5018.1	5032.2	5034.5	5036.8	4959.7	4896.5	4891.9
42.5°	5284.7	5296.4	5361.9	5429.7	5443.7	5436.7	5460.1	5483.5	5408.6	5322.1	5329.1
45°	5782.8	5789.8	5878.6	5953.5	5927.8	5904.4	5948.8	5995.6	5927.8	5815.5	5782.8
47.5°	6372.0	6386.1	6481.9	6556.8	6514.7	6472.6	6545.1	6594.2	6484.3	6365.0	6334.6
50°	7038.5	7047.8	7183.5	7277.0	7227.9	7150.7	7241.9	7293.4	7146.0	6998.7	6933.2
52.5°	7826.5	7807.8	7987.8	8151.5	8121.1	8020.6	8095.4	8104.8	7885.0	7676.8	7611.4
55°	8787.6	8768.9	8948.9	9129.0	9203.8	9178.1	9143.0	9086.9	8761.8	8539.7	8478.9
57.5°	9907.6	9849.2	10101.7	10344.9	10508.6	10555.4	10405.7	10274.8	10017.5	9744.0	9673.8
60°	10948.2	10945.9	11345.7	11766.6	12215.6	12402.7	12023.9	11668.4	11090.9	10592.8	10492.2
62.5°	11240.5	11289.6	11944.4	12987.3	14095.7	14757.4	13758.9	12582.7	11467.3	10716.7	10583.4
65°	10520.3	10641.9	11572.6	13218.8	15407.5	17025.6	14771.4	12603.8	11048.8	10113.4	9973.1
67.5°	7754.0	7997.2	9229.5	11928.0	15295.2	17607.9	14591.4	11436.9	9596.6	8483.6	8289.5
70°	3825.6	4057.1	5034.5	7847.5	12585.1	15739.5	12624.8	8619.2	6481.9	5411.0	5233.3
72.5°	1407.7	1501.2	1884.7	3357.9	6944.9	11626.3	8633.2	4814.7	3140.4	2499.7	2380.5
75°	689.8	706.2	764.6	1127.1	2562.8	5471.8	4057.1	1847.3	1155.2	1005.5	972.8
77.5°	439.6	446.6	474.7	537.8	823.1	1723.4	1230.0	729.6	565.9	542.5	542.5
80°	245.5	252.5	290.0	334.4	385.8	591.6	442.0	437.3	371.8	325.0	318.0
82.5°	116.9	128.6	184.7	182.4	203.4	297.0	259.6	236.2	238.5	180.1	170.7
85°	53.8	53.8	72.5	86.5	91.2	100.5	119.3	135.6	133.3	91.2	98.2
87.5°	25.7	25.7	25.7	23.4	21.0	18.7	25.7	42.1	60.8	42.1	39.8
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)