

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: P642200

Luminaire Tested: GWS-SA6C-740-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642200
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-740-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23980.6 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

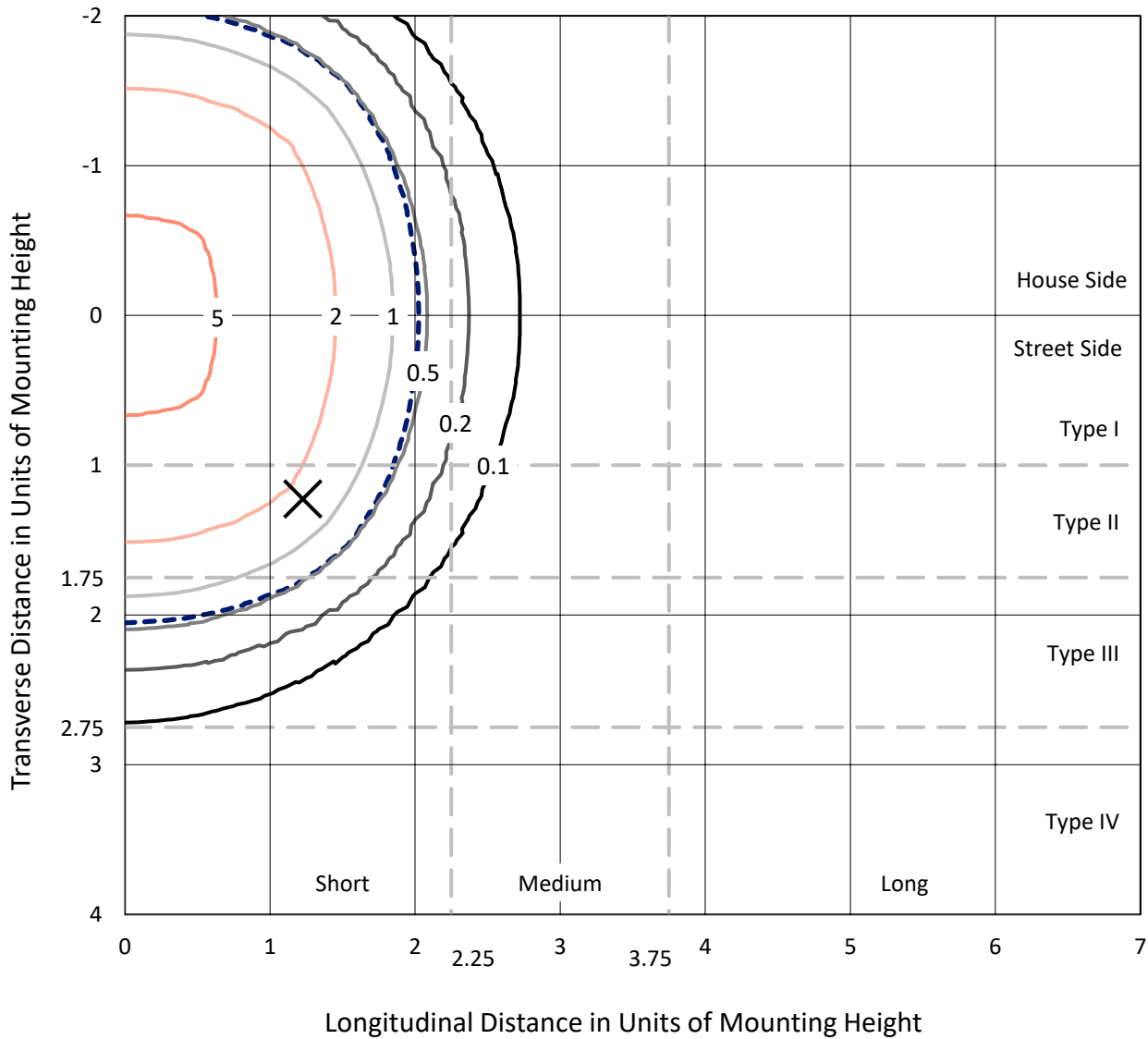
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

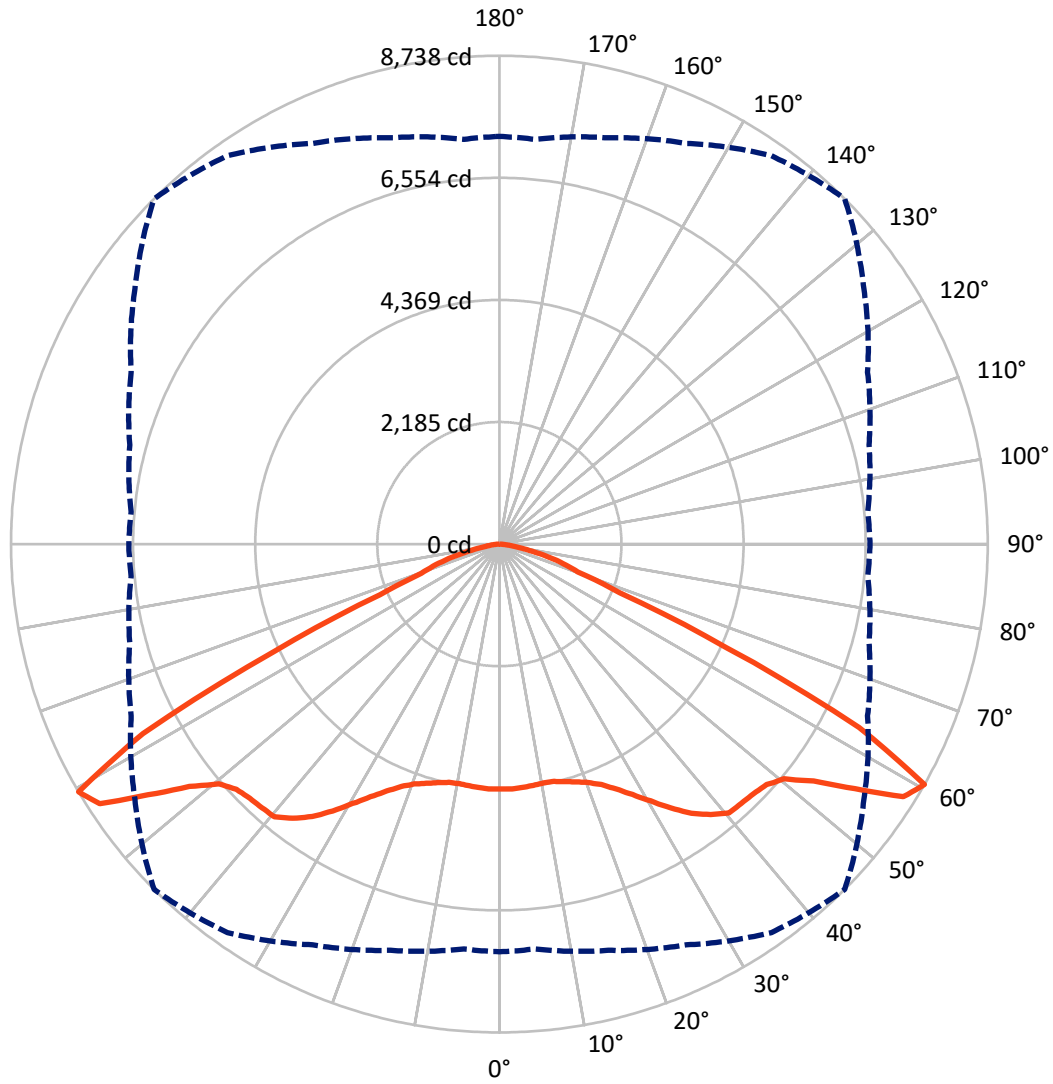
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11990.3	0.0	11990.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11990.3	0.0	11990.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	23980.6	0.0	23980.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	415.6	1.7
10°-20°	1250.1	5.2
20°-30°	2211.6	9.2
30°-40°	3560.8	14.8
40°-50°	4894.2	20.4
50°-60°	6522.0	27.2
60°-70°	4064.8	17.0
70°-80°	934.7	3.9
80°-90°	126.8	0.5
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°	23980.6	100.0
0°-180°	23980.6	100.0

Coefficient of Utilization



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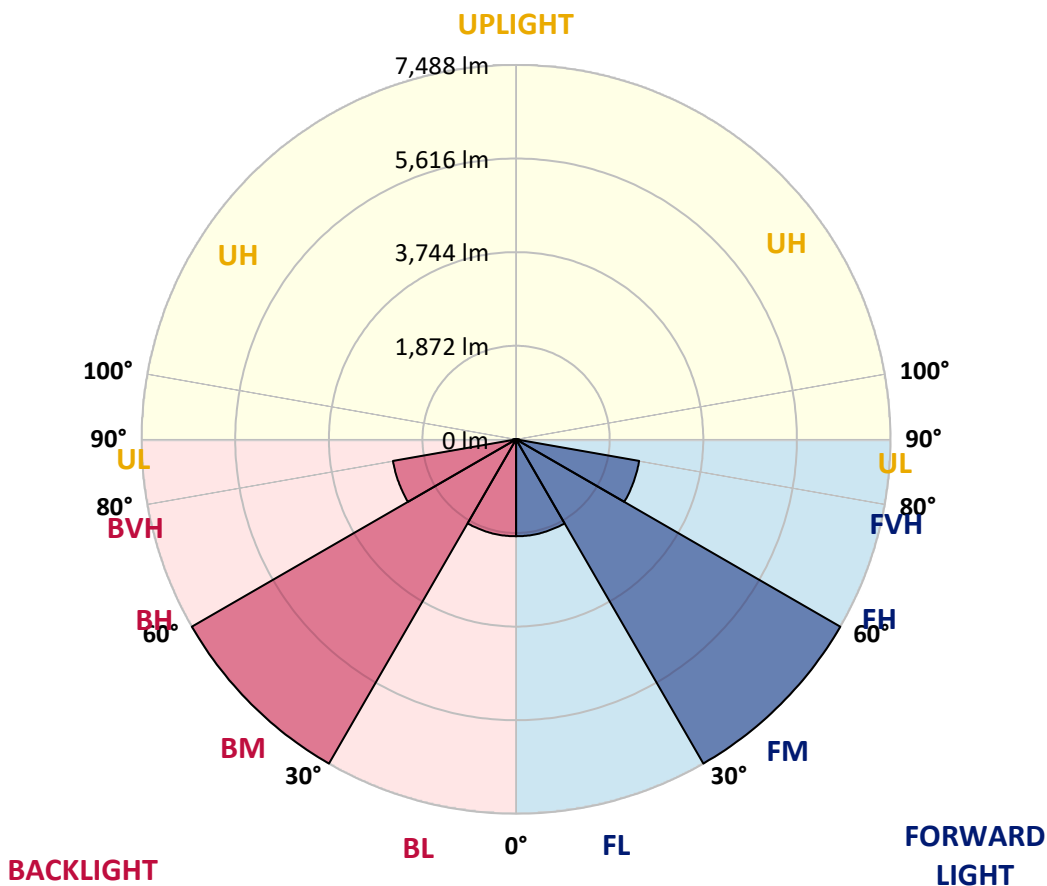
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1938.7	8.1			
FM (30°-60°)	7488.5	31.2			
FH (60°-80°)	2499.8	10.4			G2/5000
FVH (80°-90°)	63.4	0.3			G1/100
BL (0°-30°)	1938.7	8.1	B3/2500		
BM (30°-60°)	7488.5	31.2	B4/8500		
BH (60°-80°)	2499.8	10.4	B3/2500		G2/5000
BVH (80°-90°)	63.4	0.3			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°	4382.4	4382.4	4382.4	4382.4	4382.4	4382.4	4382.4	4382.4	4382.4	4382.4	4382.4
2.5°	4351.9	4356.0	4364.1	4370.2	4378.3	4386.5	4390.6	4382.4	4378.3	4362.1	4380.4
5°	4356.0	4360.0	4366.1	4366.1	4368.2	4374.3	4374.3	4364.1	4353.9	4335.6	4356.0
7.5°	4349.9	4353.9	4356.0	4353.9	4356.0	4358.0	4353.9	4341.7	4331.5	4315.2	4331.5
10°	4339.7	4343.7	4347.8	4343.7	4339.7	4345.8	4345.8	4337.6	4331.5	4315.2	4333.6
12.5°	4362.1	4368.2	4370.2	4360.0	4356.0	4358.0	4358.0	4349.9	4349.9	4335.6	4356.0
15°	4415.0	4419.1	4413.0	4400.7	4402.8	4408.9	4394.6	4374.3	4370.2	4364.1	4380.4
17.5°	4455.7	4459.8	4453.7	4445.5	4459.8	4474.0	4447.6	4408.9	4396.7	4392.6	4410.9
20°	4500.5	4506.6	4498.4	4508.6	4537.1	4553.4	4520.8	4467.9	4443.5	4437.4	4459.8
22.5°	4573.8	4581.9	4581.9	4604.3	4647.0	4673.5	4632.8	4561.5	4524.9	4514.7	4537.1
25°	4689.8	4695.9	4702.0	4746.8	4816.0	4852.6	4787.5	4689.8	4638.9	4622.6	4634.8
27.5°	4850.6	4860.8	4870.9	4936.1	5021.6	5074.5	4980.9	4858.7	4795.6	4763.1	4787.5
30°	5041.9	5056.2	5080.6	5153.9	5274.0	5333.0	5212.9	5064.3	4993.1	4958.5	4991.0
32.5°	5302.5	5304.5	5322.8	5404.2	5563.0	5630.2	5479.6	5314.7	5241.4	5200.7	5219.0
35°	5611.9	5613.9	5585.4	5668.9	5839.8	5915.1	5738.1	5571.1	5510.1	5497.9	5544.7
37.5°	5929.4	5911.1	5882.6	5919.2	6092.2	6141.1	5953.8	5811.3	5784.9	5807.3	5876.5
40°	6155.3	6124.8	6067.8	6094.3	6269.3	6326.3	6126.8	5992.5	5984.4	6039.3	6122.8
42.5°	6301.9	6269.3	6202.2	6202.2	6322.2	6346.7	6192.0	6120.7	6139.1	6202.2	6281.5
45°	6373.1	6354.8	6316.1	6295.8	6363.0	6373.1	6255.1	6226.6	6261.2	6291.7	6352.8
47.5°	6428.1	6428.1	6415.9	6395.5	6426.1	6432.2	6344.6	6336.5	6381.3	6381.3	6422.0
50°	6525.8	6536.0	6552.3	6548.2	6580.8	6601.1	6536.0	6523.8	6542.1	6483.1	6503.4
52.5°	6782.3	6808.7	6855.5	6892.2	6975.6	7038.7	6922.7	6825.0	6729.3	6599.1	6603.1
55°	7242.3	7254.5	7346.1	7454.0	7594.4	7722.7	7484.5	7181.2	6973.6	6820.9	6823.0
57.5°	7631.1	7649.4	7783.7	8009.7	8325.2	8524.7	7997.5	7490.6	7197.5	7010.2	7016.4
60°	7295.2	7270.8	7525.2	7912.0	8483.9	8738.4	7960.8	7268.8	6847.4	6615.4	6631.6
62.5°	5644.4	5597.6	5880.5	6285.6	6971.6	7226.0	6509.5	5845.9	5447.0	5265.8	5239.4
65°	3435.9	3393.2	3596.7	3845.0	4309.1	4469.9	4142.2	3790.1	3442.0	3332.1	3301.6
67.5°	1870.6	1864.5	1919.5	2041.6	2245.2	2320.5	2257.4	2090.5	2000.9	1923.5	1923.5
70°	1483.9	1471.7	1461.5	1463.5	1481.8	1492.0	1494.1	1485.9	1496.1	1498.1	1490.0
72.5°	1229.4	1225.4	1205.0	1207.0	1198.9	1194.8	1209.1	1217.2	1233.5	1235.5	1235.5
75°	891.5	881.4	891.5	893.6	885.4	885.4	895.6	893.6	901.7	905.8	883.4
77.5°	506.8	506.8	521.1	537.4	549.6	549.6	559.8	559.8	569.9	567.9	563.8
80°	278.9	278.9	287.0	297.2	309.4	321.6	331.8	333.8	339.9	337.9	331.8
82.5°	158.8	160.8	164.9	171.0	183.2	193.4	203.5	205.6	211.7	211.7	205.6
85°	75.3	73.3	75.3	79.4	85.5	93.6	103.8	109.9	114.0	114.0	109.9
87.5°	14.2	16.3	14.2	16.3	18.3	24.4	28.5	32.6	38.7	40.7	36.6
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)