

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: P642310

Luminaire Tested: GWS-SA6C-760-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642310
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24194 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

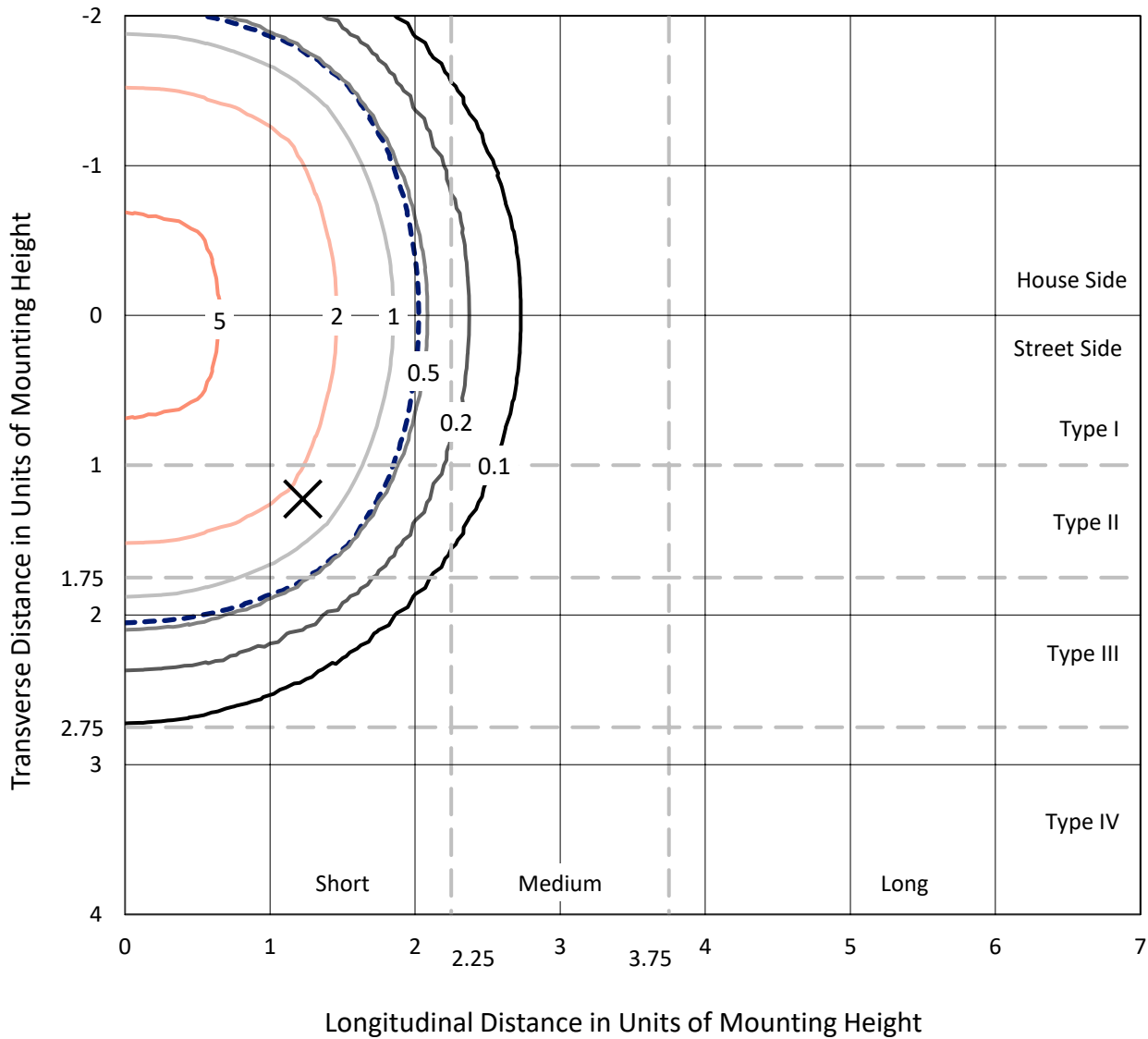
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

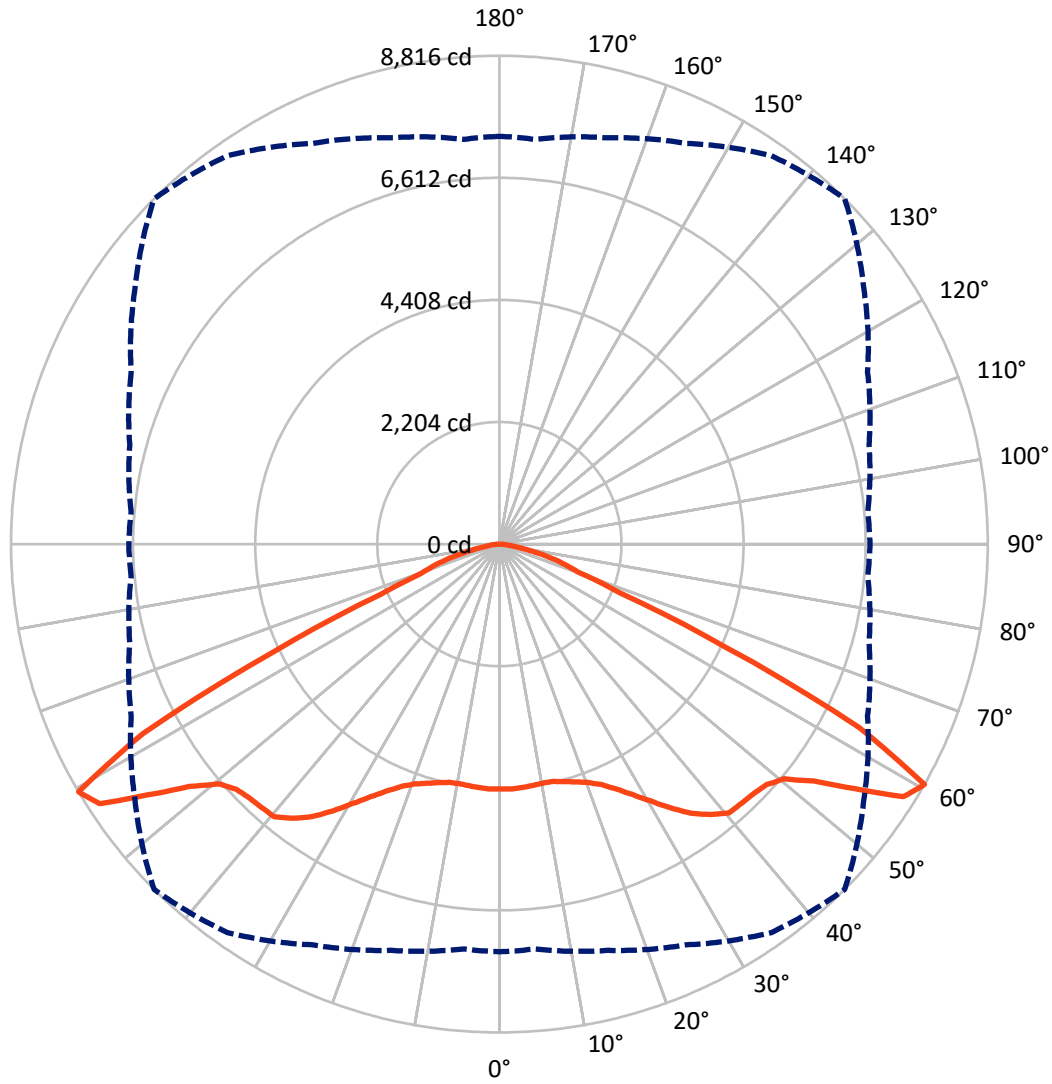
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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	12097.0	0.0	12097.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12097.0	0.0	12097.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24194.0	0.0	24194.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	419.3	1.7
10°-20°	1261.2	5.2
20°-30°	2231.3	9.2
30°-40°	3592.4	14.8
40°-50°	4937.7	20.4
50°-60°	6580.0	27.2
60°-70°	4101.0	17.0
70°-80°	943.0	3.9
80°-90°	127.9	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°	24194.0	100.0
0°-180°	24194.0	100.0

Coefficient of Utilization



REPORT NUMBER: P642310

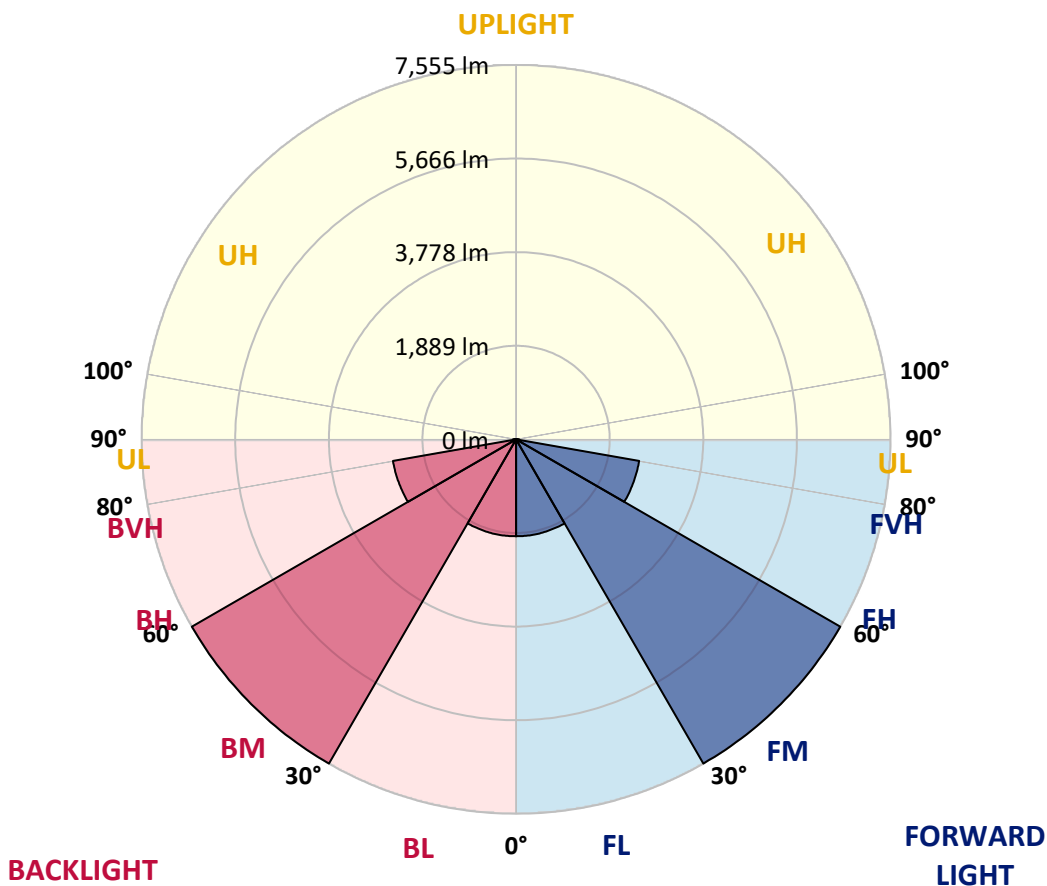
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1955.9	8.1			
FM (30°-60°)	7555.1	31.2			
FH (60°-80°)	2522.0	10.4			G2/5000
FVH (80°-90°)	64.0	0.3			G1/100
BL (0°-30°)	1955.9	8.1	B3/2500		
BM (30°-60°)	7555.1	31.2	B4/8500		
BH (60°-80°)	2522.0	10.4	B4/5000		G2/5000
BVH (80°-90°)	64.0	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°	4421.4	4421.4	4421.4	4421.4	4421.4	4421.4	4421.4	4421.4	4421.4	4421.4	4421.4
2.5°	4390.6	4394.7	4402.9	4409.1	4417.3	4425.5	4429.6	4421.4	4417.3	4400.9	4419.4
5°	4394.7	4398.8	4405.0	4405.0	4407.0	4413.2	4413.2	4402.9	4392.7	4374.2	4394.7
7.5°	4388.6	4392.7	4394.7	4392.7	4394.7	4396.8	4392.7	4380.3	4370.1	4353.6	4370.1
10°	4378.3	4382.4	4386.5	4382.4	4378.3	4384.5	4384.5	4376.2	4370.1	4353.6	4372.1
12.5°	4400.9	4407.0	4409.1	4398.8	4394.7	4396.8	4396.8	4388.6	4388.6	4374.2	4394.7
15°	4454.3	4458.4	4452.2	4439.9	4442.0	4448.1	4433.7	4413.2	4409.1	4402.9	4419.4
17.5°	4495.3	4499.5	4493.3	4485.1	4499.5	4513.8	4487.1	4448.1	4435.8	4431.7	4450.2
20°	4540.5	4546.7	4538.5	4548.7	4577.5	4593.9	4561.1	4507.7	4483.0	4476.9	4499.5
22.5°	4614.5	4622.7	4622.7	4645.3	4688.4	4715.1	4674.0	4602.1	4565.2	4554.9	4577.5
25°	4731.5	4737.7	4743.8	4789.0	4858.8	4895.8	4830.1	4731.5	4680.2	4663.7	4676.1
27.5°	4893.7	4904.0	4914.3	4980.0	5066.3	5119.6	5025.2	4902.0	4838.3	4805.4	4830.1
30°	5086.8	5101.2	5125.8	5199.7	5320.9	5380.5	5259.3	5109.4	5037.5	5002.6	5035.4
32.5°	5349.6	5351.7	5370.2	5452.3	5612.5	5680.3	5528.3	5362.0	5288.0	5247.0	5265.5
35°	5661.8	5663.9	5635.1	5719.3	5891.8	5967.8	5789.1	5620.7	5559.1	5546.8	5594.0
37.5°	5982.2	5963.7	5934.9	5971.9	6146.4	6195.7	6006.8	5863.1	5836.4	5858.9	5928.8
40°	6210.1	6179.3	6121.8	6148.5	6325.1	6382.6	6181.4	6045.8	6037.6	6093.1	6177.3
42.5°	6358.0	6325.1	6257.3	6257.3	6378.5	6403.2	6247.1	6175.2	6193.7	6257.3	6337.4
45°	6429.8	6411.4	6372.3	6351.8	6419.6	6429.8	6310.7	6282.0	6316.9	6347.7	6409.3
47.5°	6485.3	6485.3	6473.0	6452.4	6483.2	6489.4	6401.1	6392.9	6438.1	6438.1	6479.1
50°	6583.9	6594.1	6610.6	6606.5	6639.3	6659.9	6594.1	6581.8	6600.3	6540.7	6561.3
52.5°	6842.6	6869.3	6916.6	6953.5	7037.7	7101.4	6984.3	6885.7	6789.2	6657.8	6661.9
55°	7306.7	7319.1	7411.5	7520.3	7662.0	7791.4	7551.1	7245.1	7035.7	6881.6	6883.7
57.5°	7699.0	7717.5	7853.0	8080.9	8399.3	8600.5	8068.6	7557.3	7261.6	7072.6	7078.8
60°	7360.1	7335.5	7592.2	7982.4	8559.4	8816.1	8031.7	7333.4	6908.3	6674.2	6690.7
62.5°	5694.7	5647.4	5932.9	6341.5	7033.6	7290.3	6567.4	5898.0	5495.5	5312.7	5286.0
65°	3466.5	3423.4	3628.7	3879.3	4347.5	4509.7	4179.1	3823.8	3472.7	3361.8	3331.0
67.5°	1887.3	1881.1	1936.6	2059.8	2265.1	2341.1	2277.5	2109.1	2018.7	1940.7	1940.7
70°	1497.1	1484.8	1474.5	1476.5	1495.0	1505.3	1507.3	1499.1	1509.4	1511.5	1503.2
72.5°	1240.4	1236.3	1215.7	1217.8	1209.6	1205.5	1219.8	1228.1	1244.5	1246.5	1246.5
75°	899.5	889.2	899.5	901.5	893.3	893.3	903.6	901.5	909.7	913.9	891.3
77.5°	511.3	511.3	525.7	542.2	554.5	554.5	564.7	564.7	575.0	573.0	568.8
80°	281.3	281.3	289.6	299.8	312.1	324.5	334.7	336.8	343.0	340.9	334.7
82.5°	160.2	162.2	166.3	172.5	184.8	195.1	205.4	207.4	213.6	213.6	207.4
85°	76.0	73.9	76.0	80.1	86.3	94.5	104.7	110.9	115.0	115.0	110.9
87.5°	14.4	16.4	14.4	16.4	18.5	24.6	28.8	32.9	39.0	41.1	37.0
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)