

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: P642249

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642249
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25431.8 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - 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

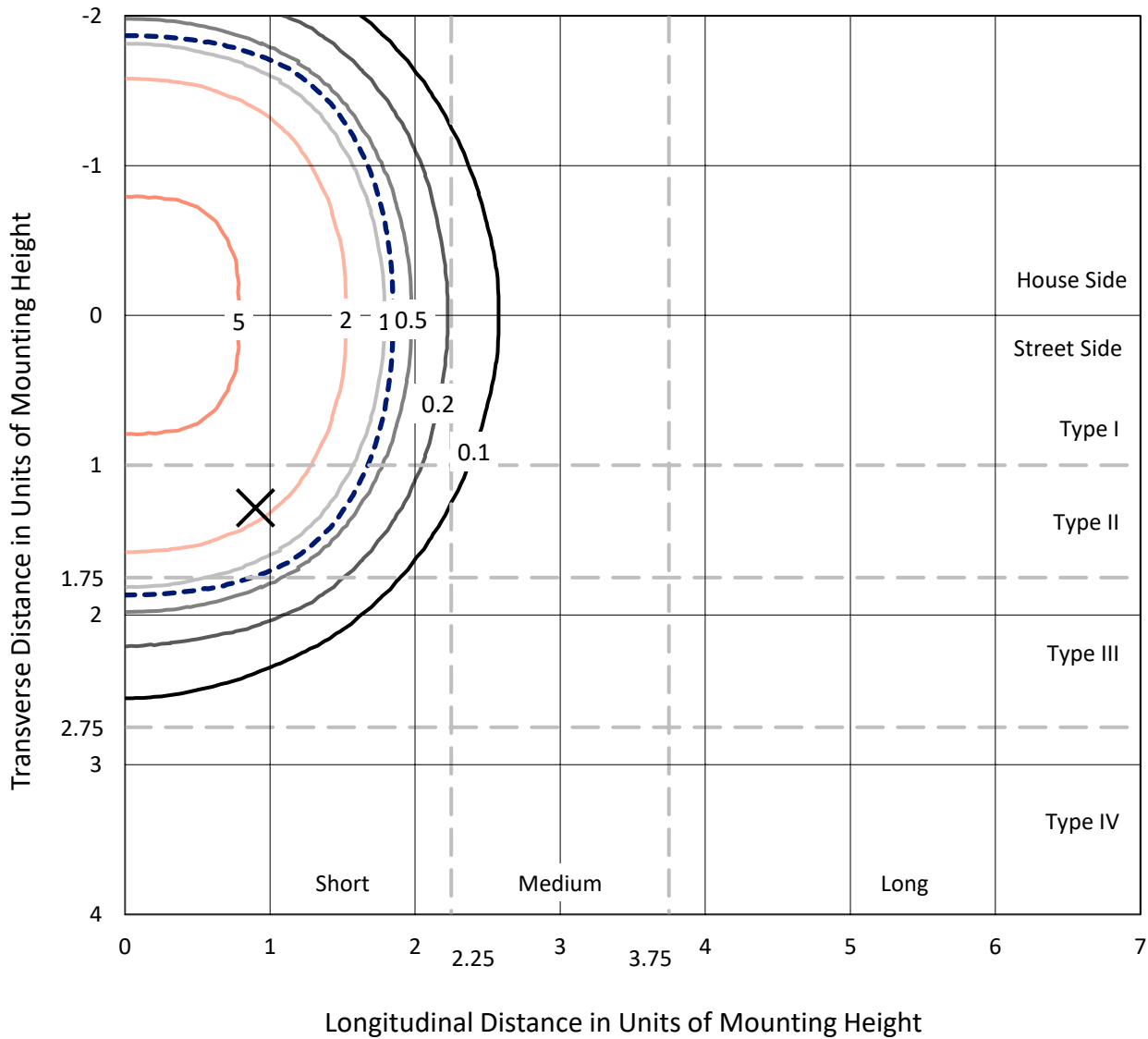


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Iso-Footcandle Lines of Horizontal Illumination

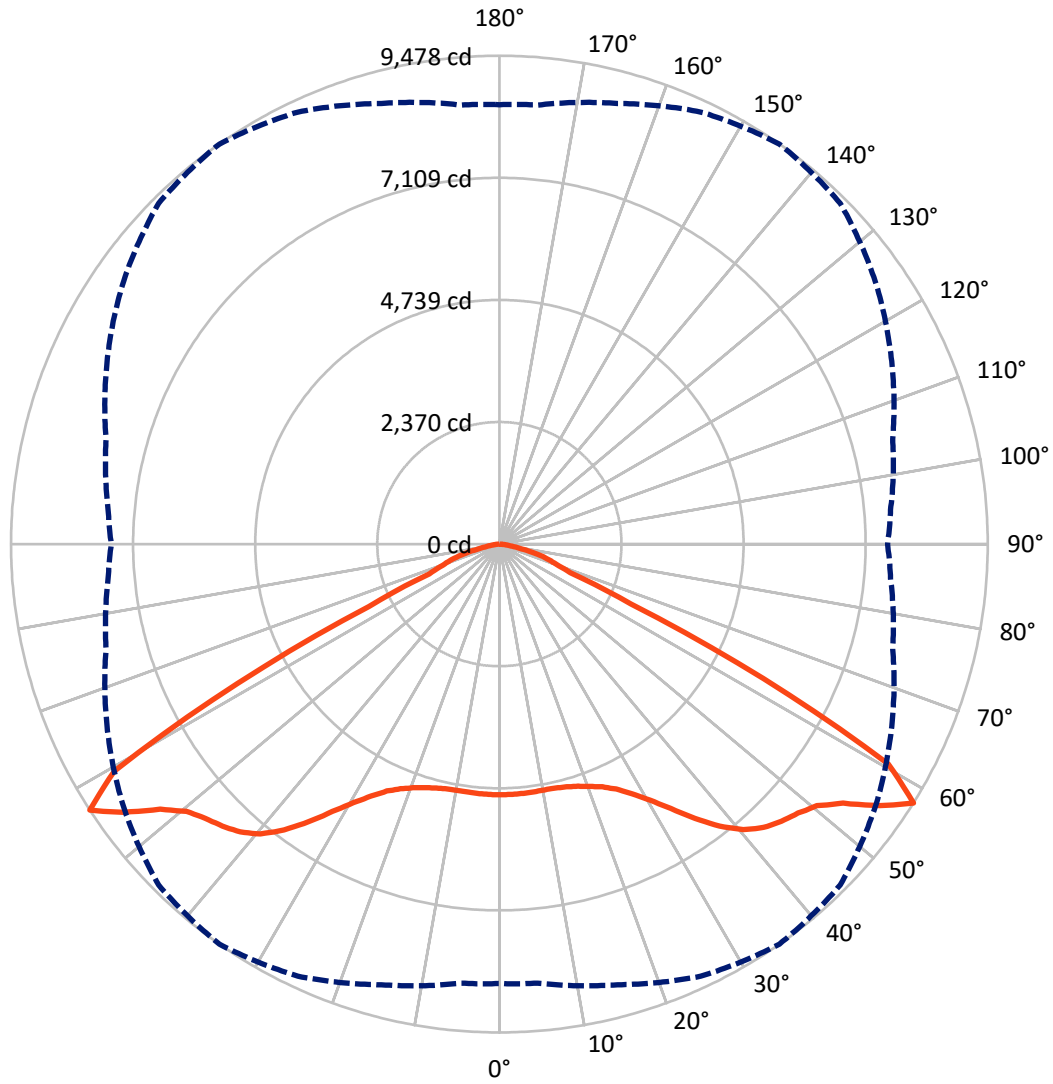
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 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	12715.9	0.0	12715.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12715.9	0.0	12715.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	25431.8	0.0	25431.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.9	1.8
10°-20°	1381.1	5.4
20°-30°	2409.8	9.5
30°-40°	3951.6	15.5
40°-50°	5819.8	22.9
50°-60°	7427.0	29.2
60°-70°	3130.1	12.3
70°-80°	747.7	2.9
80°-90°	101.8	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°	25431.8	100.0
0°-180°	25431.8	100.0

Coefficient of Utilization



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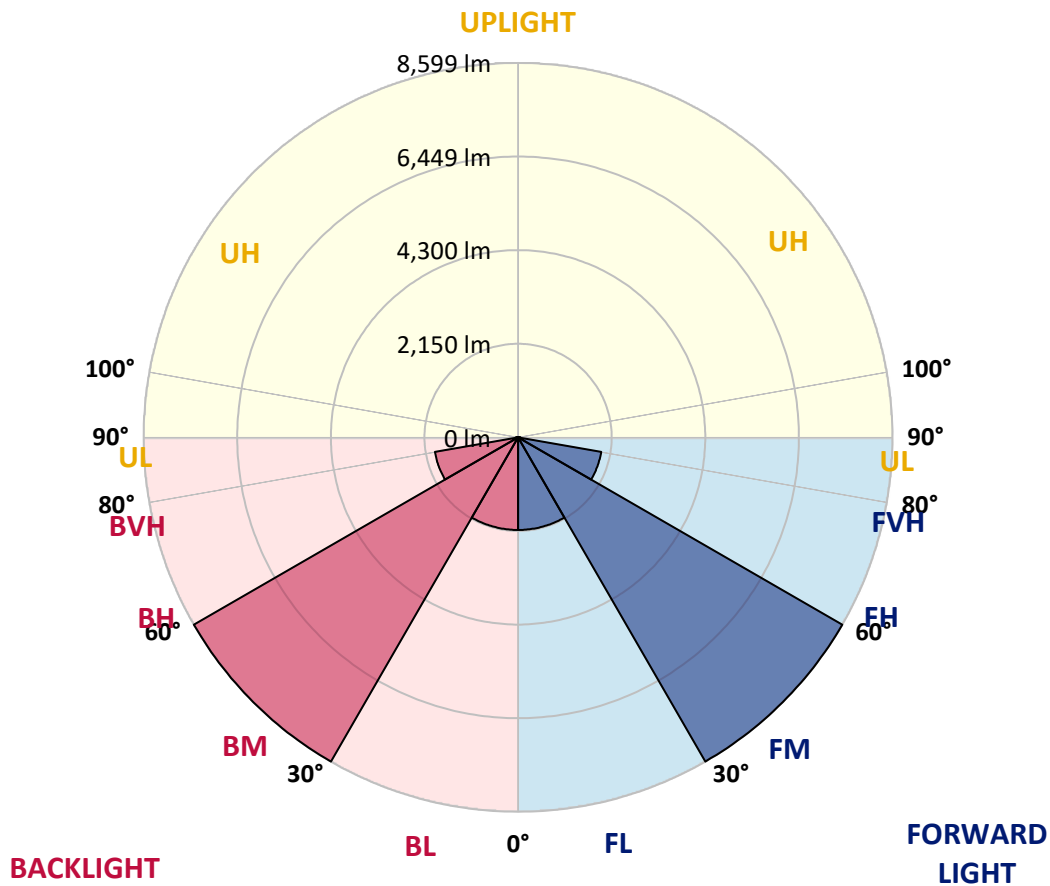
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2126.9	8.4			
FM (30°-60°)	8599.2	33.8			
FH (60°-80°)	1938.9	7.6			G2/5000
FVH (80°-90°)	50.9	0.2			G1/100
BL (0°-30°)	2126.9	8.4	B3/2500		
BM (30°-60°)	8599.2	33.8	B5		
BH (60°-80°)	1938.9	7.6	B3/2500		G2/5000
BVH (80°-90°)	50.9	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4866.1	4866.1	4866.1	4866.1	4866.1	4866.1	4866.1	4866.1	4866.1	4866.1	4866.1
2.5°	4836.9	4836.9	4847.3	4857.8	4861.9	4880.7	4878.6	4872.3	4868.2	4855.7	4872.3
5°	4847.3	4847.3	4855.7	4861.9	4859.8	4874.4	4868.2	4857.8	4851.5	4839.0	4857.8
7.5°	4845.3	4845.3	4851.5	4857.8	4853.6	4866.1	4855.7	4841.1	4830.7	4818.2	4834.9
10°	4818.2	4822.4	4828.6	4843.2	4849.4	4868.2	4853.6	4830.7	4814.0	4799.5	4816.1
12.5°	4814.0	4818.2	4826.5	4845.3	4855.7	4882.7	4864.0	4826.5	4801.5	4782.8	4799.5
15°	4832.8	4836.9	4849.4	4872.3	4889.0	4918.1	4891.1	4839.0	4803.6	4778.6	4793.2
17.5°	4855.7	4861.9	4880.7	4914.0	4941.0	4972.3	4939.0	4876.5	4826.5	4793.2	4805.7
20°	4880.7	4889.0	4918.1	4968.1	5018.1	5057.6	5016.0	4932.7	4872.3	4828.6	4841.1
22.5°	4924.4	4934.8	4972.3	5043.1	5118.0	5176.3	5124.3	5011.8	4932.7	4876.5	4886.9
25°	5013.9	5026.4	5074.3	5159.7	5265.9	5336.7	5263.8	5136.8	5026.4	4957.7	4968.1
27.5°	5172.2	5178.4	5240.9	5353.3	5484.5	5565.7	5478.2	5328.3	5205.5	5126.4	5134.7
30°	5380.4	5399.1	5461.6	5609.4	5765.6	5873.9	5759.3	5582.4	5440.8	5345.0	5353.3
32.5°	5634.4	5646.9	5740.6	5894.7	6119.6	6244.5	6088.3	5878.0	5707.3	5590.7	5599.0
35°	5967.6	5978.0	6067.5	6263.2	6536.0	6652.6	6473.5	6232.0	6034.2	5923.8	5955.1
37.5°	6365.3	6384.0	6448.6	6642.2	6946.2	7060.7	6854.6	6629.7	6423.6	6321.5	6344.4
40°	6792.1	6790.0	6842.1	7012.8	7289.8	7360.6	7175.2	6996.2	6819.2	6752.6	6790.0
42.5°	7158.6	7148.2	7185.6	7327.2	7518.8	7525.0	7402.2	7302.2	7177.3	7131.5	7166.9
45°	7414.7	7418.9	7475.1	7572.9	7670.8	7618.7	7581.3	7564.6	7466.7	7404.3	7410.5
47.5°	7616.7	7633.3	7722.9	7789.5	7802.0	7714.5	7766.6	7791.6	7710.4	7614.6	7587.5
50°	7795.7	7822.8	7939.4	8010.2	7983.1	7872.8	7974.8	8012.3	7833.2	7650.0	7595.8
52.5°	8120.6	8151.8	8293.4	8385.0	8353.8	8243.4	8339.2	8205.9	7904.0	7679.1	7610.4
55°	8639.0	8653.6	8826.4	8976.3	8961.8	8826.4	8749.4	8453.7	8087.2	7854.0	7789.5
57.5°	8528.7	8553.6	8853.5	9253.3	9478.1	9355.3	8903.5	8399.6	7901.9	7620.8	7533.4
60°	6710.9	6771.3	7144.0	7847.8	8672.3	8670.2	7831.1	7048.2	6448.6	6075.8	6038.4
62.5°	3918.7	3960.3	4299.7	5011.8	5751.0	5796.8	5207.6	4670.4	4145.6	3893.7	3772.9
65°	1855.2	1853.2	1988.5	2309.2	2808.9	2848.4	2671.5	2377.9	2067.6	1982.2	1959.3
67.5°	1370.1	1370.1	1359.7	1382.6	1478.4	1499.2	1478.4	1430.5	1401.3	1420.1	1407.6
70°	1188.9	1191.0	1178.5	1172.3	1172.3	1166.0	1174.4	1193.1	1205.6	1230.6	1218.1
72.5°	964.1	966.1	966.1	968.2	970.3	962.0	974.5	984.9	987.0	995.3	987.0
75°	685.0	689.2	701.7	712.1	720.4	720.4	724.6	726.7	718.4	728.8	712.1
77.5°	376.9	381.0	403.9	422.7	441.4	443.5	449.8	453.9	449.8	458.1	445.6
80°	208.2	212.4	222.8	231.1	245.7	258.2	266.5	270.7	270.7	276.9	270.7
82.5°	118.7	122.8	129.1	133.3	145.8	156.2	164.5	170.7	170.7	172.8	168.7
85°	56.2	56.2	60.4	64.5	70.8	75.0	85.4	91.6	91.6	95.8	91.6
87.5°	8.3	10.4	12.5	12.5	16.7	20.8	25.0	27.1	31.2	33.3	33.3
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)