

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: P643462

Luminaire Tested: GWS-SA6F-722-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643462
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6F-722-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33234.7 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

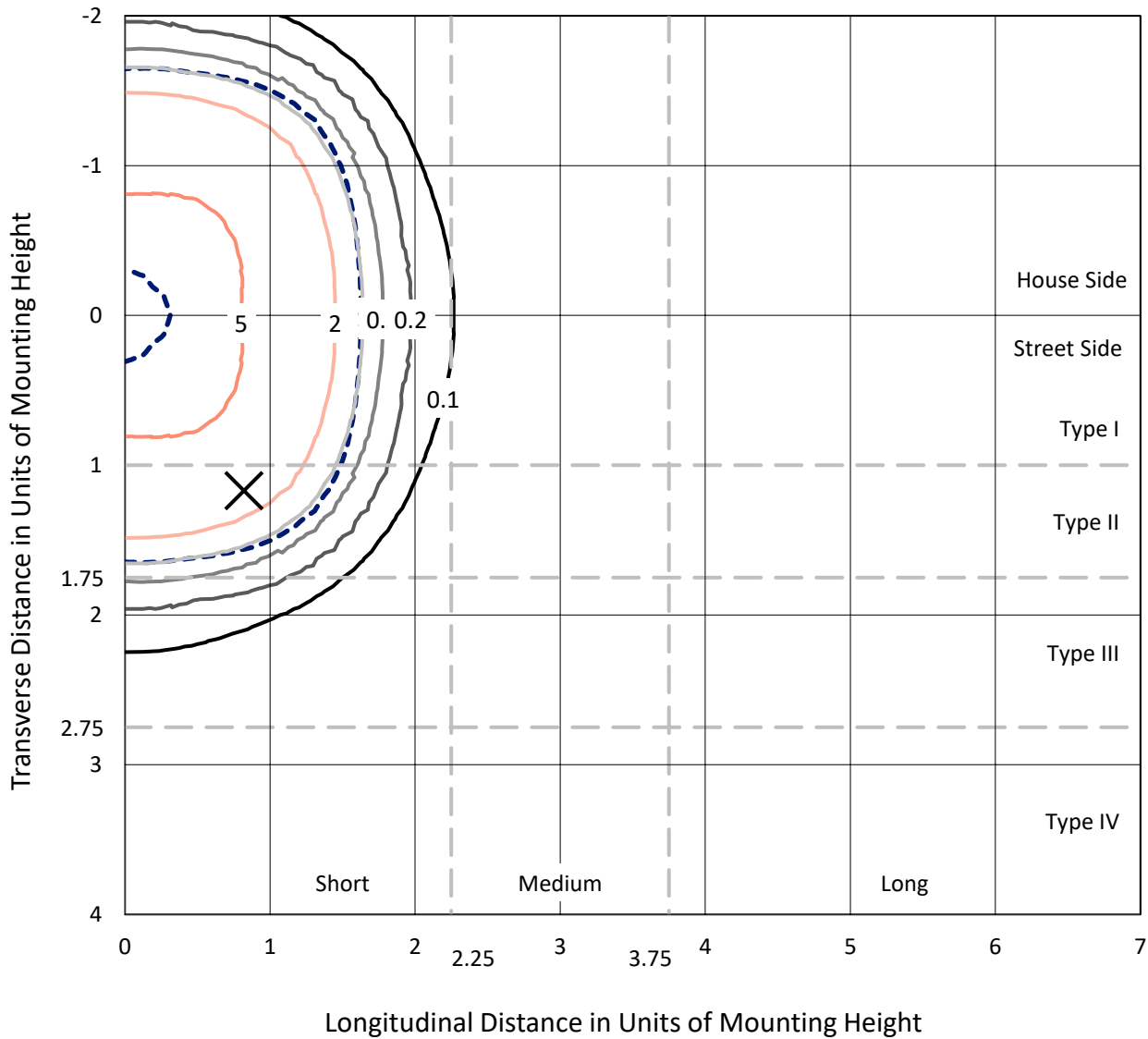
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

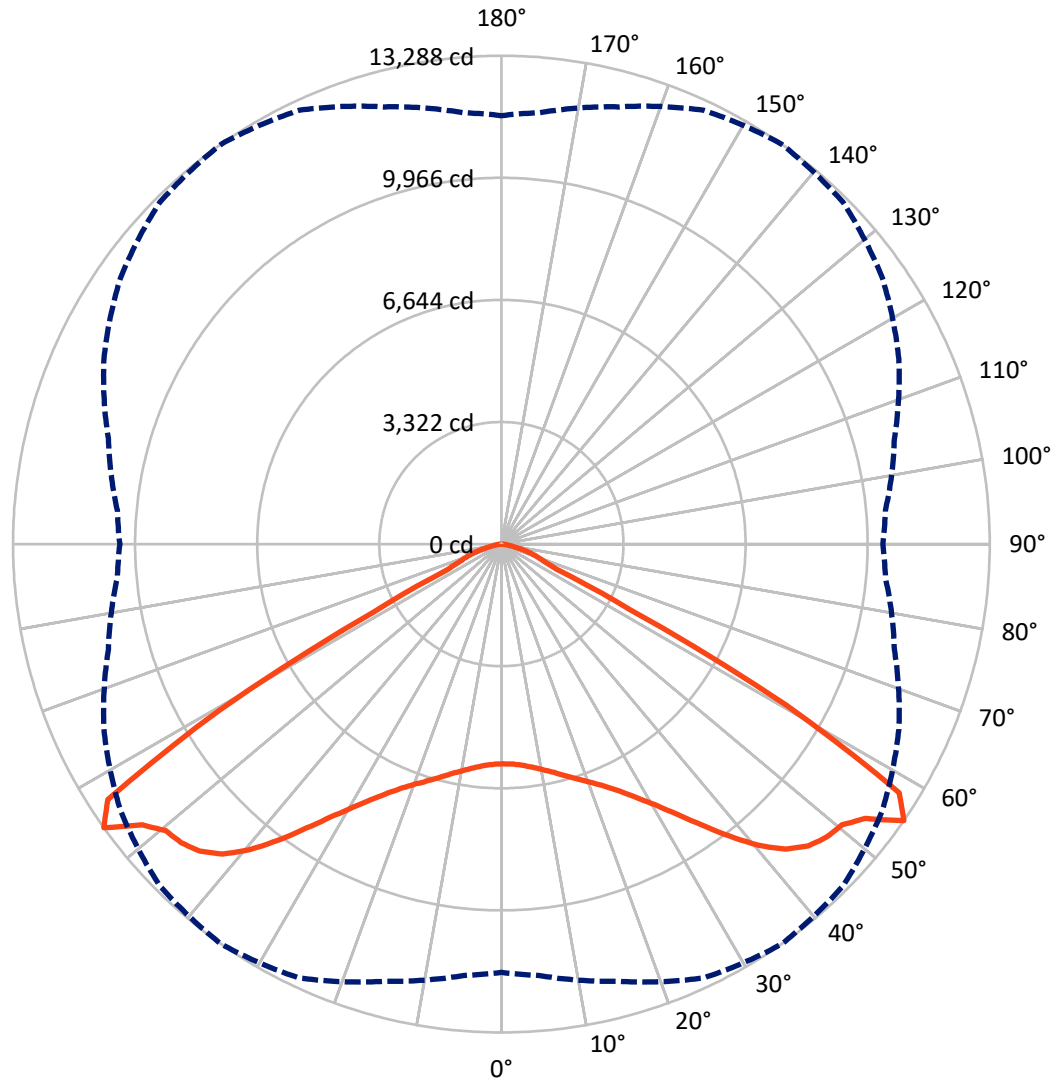
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16617.3	0.0	16617.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16617.3	0.0	16617.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	33234.7	0.0	33234.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	583.2	1.8
10°-20°	1856.7	5.6
20°-30°	3436.4	10.3
30°-40°	5748.4	17.3
40°-50°	8759.6	26.4
50°-60°	9812.6	29.5
60°-70°	2321.8	7.0
70°-80°	625.9	1.9
80°-90°	90.1	0.3
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°	33234.7	100.0
0°-180°	33234.7	100.0

Coefficient of Utilization



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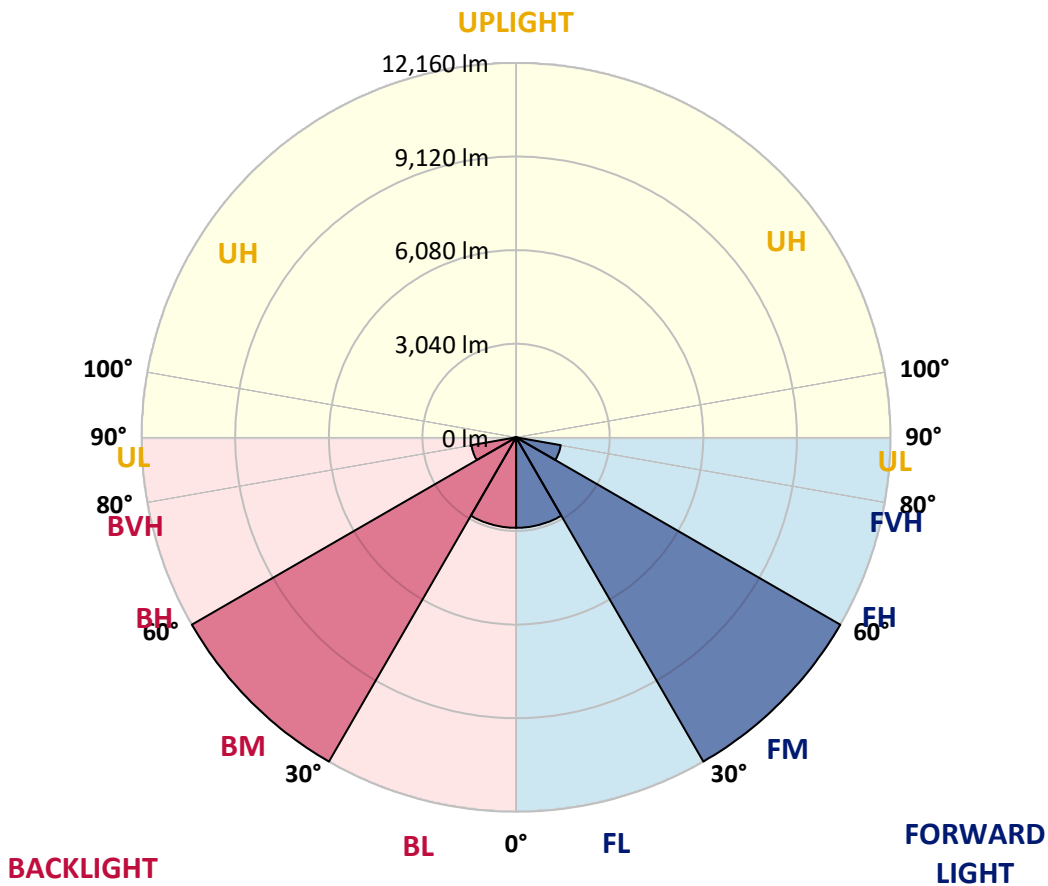
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2938.1	8.8			
FM (30°-60°)	12160.3	36.6			
FH (60°-80°)	1473.9	4.4			G1/1800
FVH (80°-90°)	45.0	0.1			G1/100
BL (0°-30°)	2938.1	8.8	B4/5000		
BM (30°-60°)	12160.3	36.6	B5		
BH (60°-80°)	1473.9	4.4	B3/2500		G1/1800
BVH (80°-90°)	45.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5979.0	5979.0	5979.0	5979.0	5979.0	5979.0	5979.0	5979.0	5979.0	5979.0	5979.0
2.5°	5965.9	5965.9	5976.4	5989.5	5992.2	6018.4	6013.2	6002.7	5997.4	5986.9	6010.5
5°	6031.6	6034.2	6042.1	6050.0	6044.7	6065.7	6057.9	6044.7	6036.8	6023.7	6047.3
7.5°	6118.3	6118.3	6126.2	6136.7	6131.4	6163.0	6147.2	6128.8	6115.7	6099.9	6120.9
10°	6197.1	6202.4	6210.3	6231.3	6241.8	6276.0	6265.5	6239.2	6218.2	6199.8	6223.4
12.5°	6315.4	6320.7	6328.6	6357.5	6375.9	6410.0	6394.3	6357.5	6325.9	6299.6	6325.9
15°	6467.8	6462.6	6483.6	6520.4	6544.1	6575.6	6557.2	6494.1	6452.1	6417.9	6444.2
17.5°	6622.9	6620.3	6641.3	6688.6	6722.8	6764.8	6733.3	6659.7	6615.0	6573.0	6599.3
20°	6791.1	6799.0	6820.0	6864.7	6914.6	6969.8	6943.5	6864.7	6814.8	6767.5	6788.5
22.5°	6998.7	7001.4	7025.0	7082.8	7148.5	7201.1	7185.3	7088.1	7025.0	6975.1	7001.4
25°	7248.4	7245.8	7277.3	7345.6	7437.6	7490.2	7456.0	7348.3	7279.9	7222.1	7243.1
27.5°	7534.9	7532.2	7579.5	7668.9	7800.3	7873.9	7802.9	7668.9	7574.3	7492.8	7511.2
30°	7894.9	7887.0	7939.6	8060.5	8231.3	8354.8	8249.7	8063.1	7939.6	7852.9	7871.3
32.5°	8294.4	8304.9	8370.6	8533.6	8749.1	8909.4	8751.7	8544.1	8378.5	8252.4	8273.4
35°	8733.3	8733.3	8867.3	9069.7	9377.2	9590.1	9345.7	9046.0	8825.3	8651.8	8657.1
37.5°	9222.1	9227.4	9403.5	9682.1	10084.2	10333.8	10002.7	9632.1	9364.1	9177.5	9166.9
40°	9818.7	9834.5	10015.8	10326.0	10778.0	11006.6	10651.8	10289.2	10015.8	9795.1	9774.0
42.5°	10491.5	10496.8	10688.6	10967.2	11348.3	11485.0	11206.4	10909.4	10686.0	10486.3	10465.2
45°	11132.8	11119.6	11285.2	11492.8	11713.6	11726.7	11571.7	11450.8	11256.3	11085.5	11053.9
47.5°	11632.1	11621.6	11771.4	11884.4	11910.7	11781.9	11831.9	11850.3	11624.3	11393.0	11332.5
50°	11937.0	11958.0	12099.9	12163.0	12008.0	11797.7	11986.9	11939.6	11616.4	11314.1	11216.9
52.5°	12121.0	12152.5	12399.6	12559.9	12399.6	12199.8	12226.1	11947.5	11482.3	11082.9	10956.7
55°	11655.8	11781.9	12315.5	13025.0	13287.9	13148.6	12649.2	11931.7	11069.7	10488.9	10381.1
57.5°	8638.7	8838.4	9629.5	11167.0	12764.9	13272.1	11813.5	10002.7	8696.5	7950.1	7887.0
60°	4410.0	4633.4	5266.8	6846.3	8901.5	9616.4	8228.7	6404.8	5090.7	4486.2	4417.9
62.5°	1800.3	1837.1	2044.7	2654.4	3934.3	4538.8	3986.9	2799.0	2102.5	1936.9	1939.6
65°	1416.6	1424.5	1413.9	1450.7	1647.8	1829.2	1689.9	1484.9	1448.1	1466.5	1453.4
67.5°	1235.2	1237.9	1230.0	1230.0	1237.9	1230.0	1245.7	1253.6	1258.9	1279.9	1266.8
70°	1032.9	1035.5	1035.5	1040.7	1038.1	1025.0	1048.6	1059.1	1061.8	1074.9	1067.0
72.5°	799.0	806.8	812.1	814.7	812.1	804.2	817.4	835.7	833.1	846.3	833.1
75°	541.4	551.9	557.2	567.7	565.0	565.0	580.8	588.7	580.8	591.3	580.8
77.5°	307.5	315.4	331.1	341.7	352.2	360.1	370.6	375.8	373.2	378.5	373.2
80°	178.7	181.3	194.5	199.7	212.9	226.0	236.5	241.8	244.4	247.0	244.4
82.5°	102.5	105.1	110.4	115.6	126.2	136.7	147.2	155.1	155.1	157.7	155.1
85°	49.9	49.9	52.6	55.2	60.4	68.3	76.2	84.1	86.7	86.7	86.7
87.5°	7.9	7.9	10.5	10.5	13.1	15.8	21.0	26.3	28.9	28.9	28.9
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)