

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: P642474

Luminaire Tested: GWS-SA6D-722-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642474
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-722-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13885.8 lumens
Efficiency: N/A
Efficacy: 56.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

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

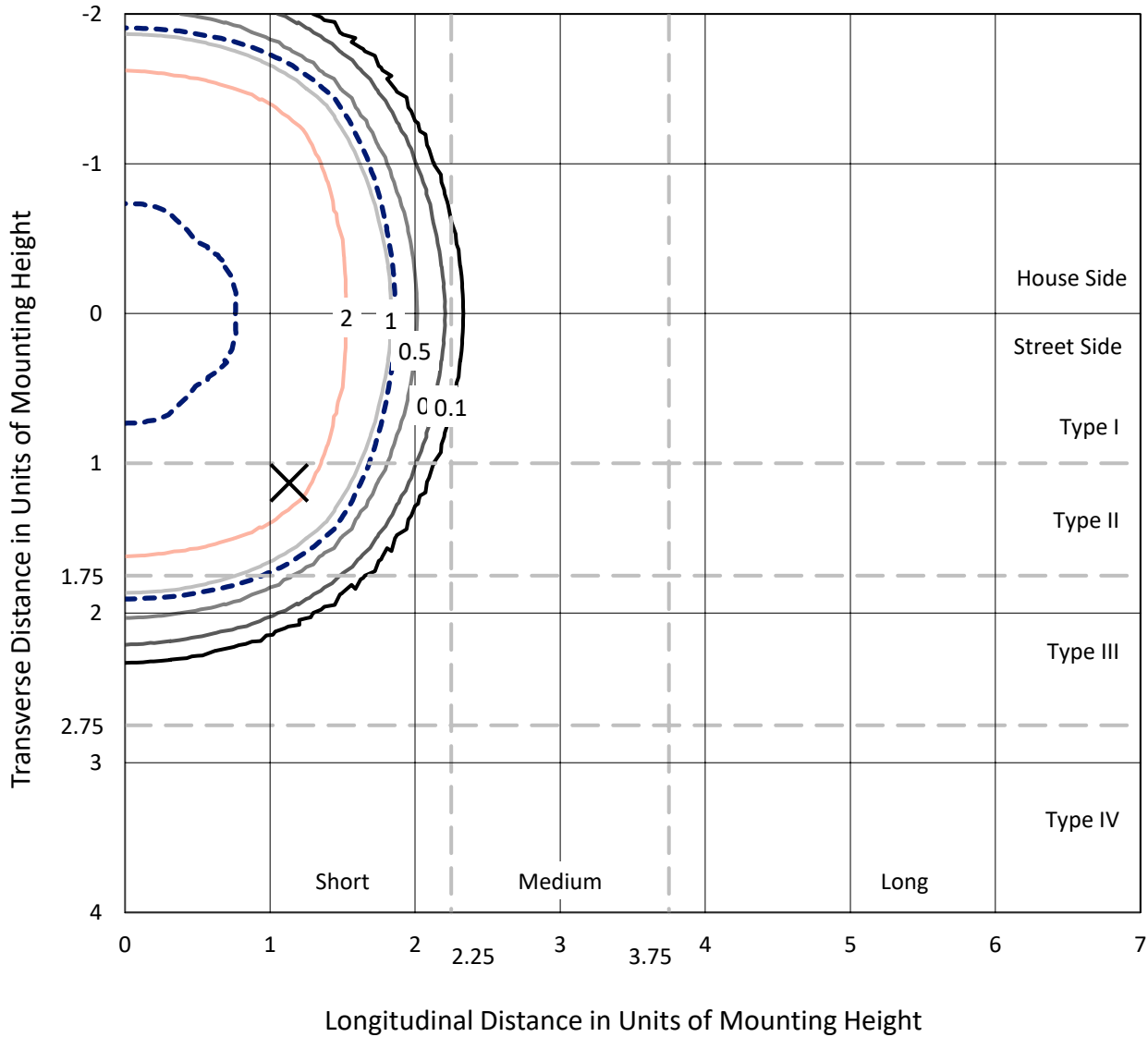


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Iso-Footcandle Lines of Horizontal Illumination

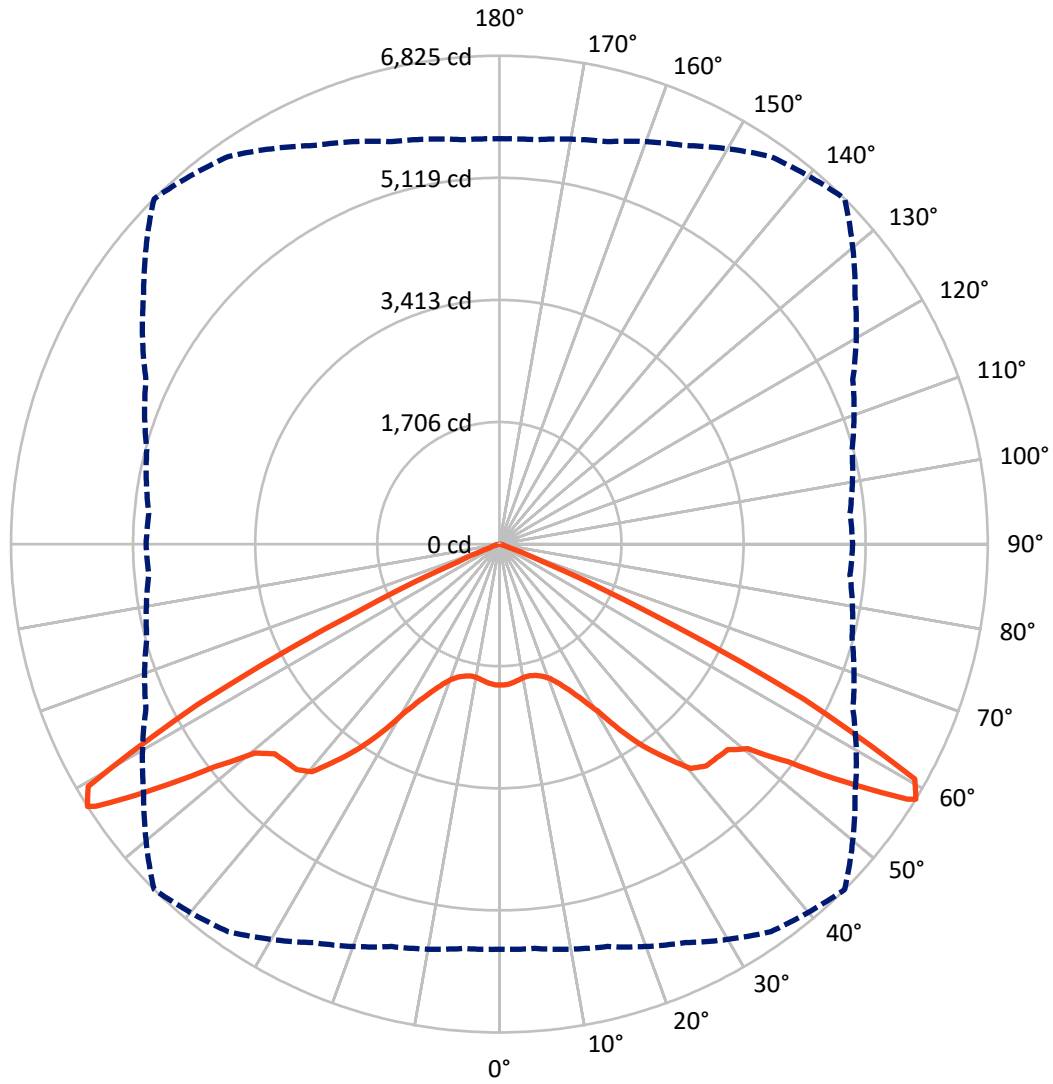
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6942.9	0.0	6942.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6942.9	0.0	6942.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	13885.8	0.0	13885.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.7	1.3
10°-20°	543.6	3.9
20°-30°	1028.2	7.4
30°-40°	2027.8	14.6
40°-50°	3208.9	23.1
50°-60°	4717.0	34.0
60°-70°	2105.5	15.2
70°-80°	70.5	0.5
80°-90°	0.6	0.0
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°	13885.8	100.0
0°-180°	13885.8	100.0

Coefficient of Utilization



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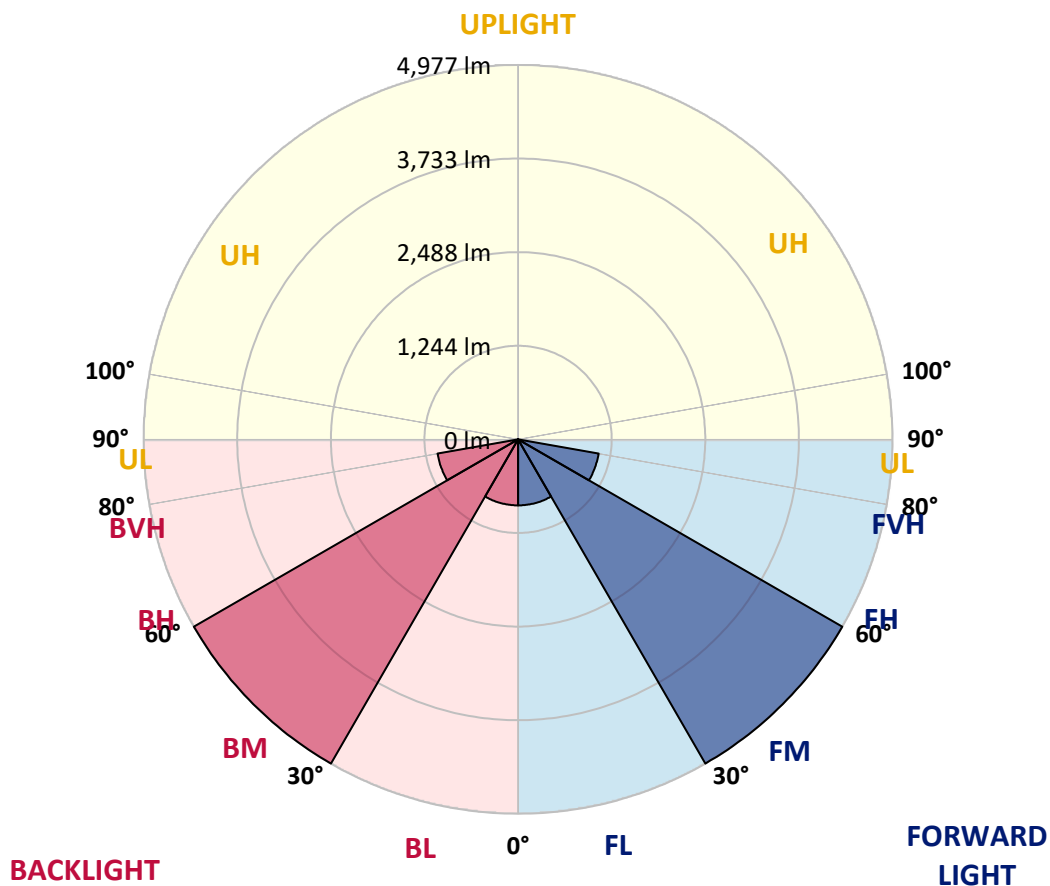
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	877.8	6.3			
FM (30°-60°)	4976.8	35.8			
FH (60°-80°)	1088.0	7.8			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	877.8	6.3	B2/1000		
BM (30°-60°)	4976.8	35.8	B3/5000		
BH (60°-80°)	1088.0	7.8	B3/2500		G1/1800
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1969.2	1969.2	1969.2	1969.2	1969.2	1969.2	1969.2	1969.2	1969.2	1969.2	1969.2
2.5°	1950.3	1954.1	1957.8	1959.7	1961.6	1967.3	1969.2	1963.5	1963.5	1952.2	1965.4
5°	1940.8	1944.6	1948.4	1946.5	1946.5	1946.5	1944.6	1937.0	1935.1	1923.8	1937.0
7.5°	1923.8	1927.6	1927.6	1921.9	1918.1	1918.1	1916.2	1906.8	1904.9	1893.5	1906.8
10°	1910.6	1912.4	1910.6	1899.2	1891.6	1891.6	1889.7	1886.0	1887.9	1880.3	1891.6
12.5°	1918.1	1920.0	1912.4	1897.3	1887.9	1886.0	1880.3	1874.6	1880.3	1878.4	1889.7
15°	1942.7	1944.6	1931.4	1912.4	1904.9	1904.9	1889.7	1874.6	1882.2	1884.1	1897.3
17.5°	1973.0	1973.0	1955.9	1938.9	1940.8	1940.8	1916.2	1889.7	1891.6	1899.2	1912.4
20°	2008.9	2008.9	1991.9	1988.1	2001.3	2003.2	1973.0	1931.4	1921.9	1927.6	1942.7
22.5°	2073.2	2073.2	2060.0	2069.4	2099.7	2109.2	2063.8	2005.1	1982.4	1986.2	2001.3
25°	2173.5	2173.5	2169.7	2192.4	2235.9	2256.7	2196.2	2118.6	2080.8	2075.1	2092.1
27.5°	2341.8	2343.7	2338.1	2372.1	2427.0	2451.6	2368.3	2266.2	2220.8	2211.3	2228.3
30°	2559.4	2559.4	2561.3	2608.6	2680.4	2712.6	2602.9	2483.7	2430.8	2400.5	2423.2
32.5°	2801.5	2805.3	2824.2	2903.7	3030.4	3096.6	2935.8	2769.4	2684.2	2652.1	2676.7
35°	3200.6	3164.7	3142.0	3200.6	3384.1	3471.1	3265.0	3070.1	3005.8	3002.0	3064.4
37.5°	3596.0	3575.2	3527.9	3588.4	3753.0	3792.7	3565.7	3403.1	3357.7	3382.2	3444.7
40°	3910.0	3872.2	3809.8	3866.5	4082.1	4121.9	3841.9	3681.1	3664.1	3719.0	3804.1
42.5°	4157.8	4104.8	4021.6	4034.9	4208.9	4237.3	3989.5	3868.4	3879.7	3947.8	4044.3
45°	4269.4	4227.8	4154.0	4148.4	4258.1	4260.0	4065.1	4002.7	4033.0	4085.9	4161.6
47.5°	4316.7	4297.8	4256.2	4246.7	4309.1	4294.0	4172.9	4146.5	4174.8	4190.0	4233.5
50°	4434.0	4434.0	4439.7	4447.2	4511.5	4496.4	4411.3	4381.0	4345.1	4292.1	4305.4
52.5°	4763.1	4776.4	4831.2	4891.8	5009.0	5058.2	4920.1	4744.2	4572.1	4456.7	4456.7
55°	5357.1	5370.3	5434.7	5536.8	5752.5	5869.7	5548.2	5160.4	4923.9	4766.9	4787.7
57.5°	5684.4	5699.5	5831.9	6108.1	6526.1	6724.8	6034.3	5459.3	5128.2	4948.5	4963.6
58°	5663.6	5673.0	5822.5	6145.9	6611.3	6825.0	6068.4	5449.8	5101.7	4918.2	4937.2
60°	5031.7	5018.5	5256.9	5718.4	6374.8	6669.9	5729.8	4975.0	4570.2	4382.9	4392.4
62.5°	3289.6	3297.1	3503.3	3985.7	4496.4	4774.5	4002.7	3440.9	3115.5	3002.0	2973.6
65°	1373.3	1348.7	1475.5	1744.1	2050.5	2205.6	1895.4	1604.1	1403.6	1327.9	1348.7
67.5°	353.7	344.3	351.8	440.8	539.1	637.5	535.3	408.6	355.6	359.4	359.4
70°	200.5	189.2	153.2	141.9	138.1	138.1	138.1	138.1	158.9	187.3	192.9
72.5°	151.3	141.9	111.6	96.5	85.1	79.4	83.2	96.5	115.4	140.0	143.8
75°	75.7	75.7	68.1	64.3	56.7	53.0	54.9	60.5	70.0	79.4	77.6
77.5°	15.1	17.0	18.9	22.7	18.9	18.9	18.9	22.7	22.7	24.6	22.7
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
82.5°	0.0	1.9	1.9	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)