

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: P640494

Luminaire Tested: GWS-SA5E-722-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640494
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-SA5E-722-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14552.1 lumens
Efficiency: N/A
Efficacy: 54.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 269.6
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

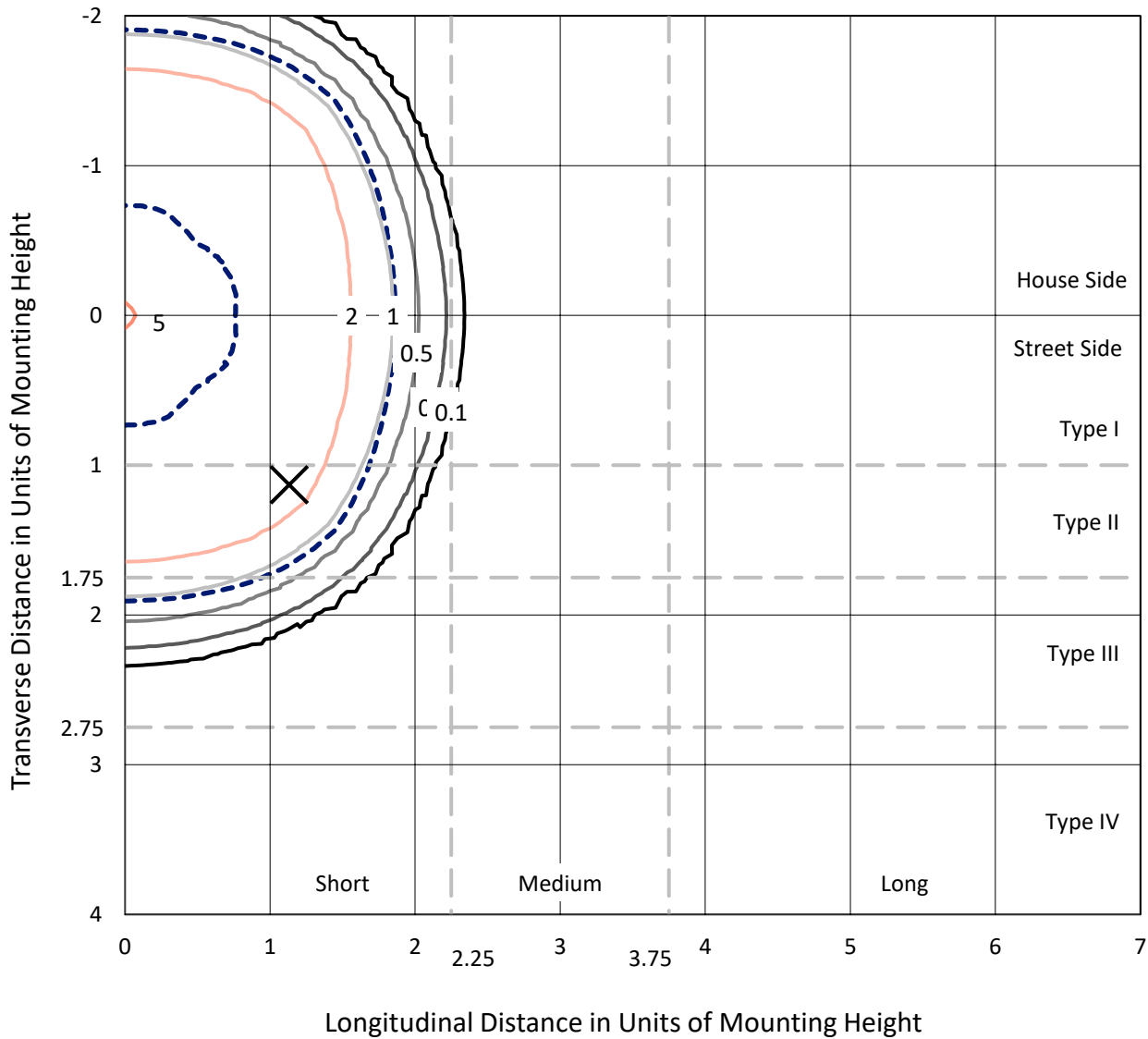


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Iso-Footcandle Lines of Horizontal Illumination

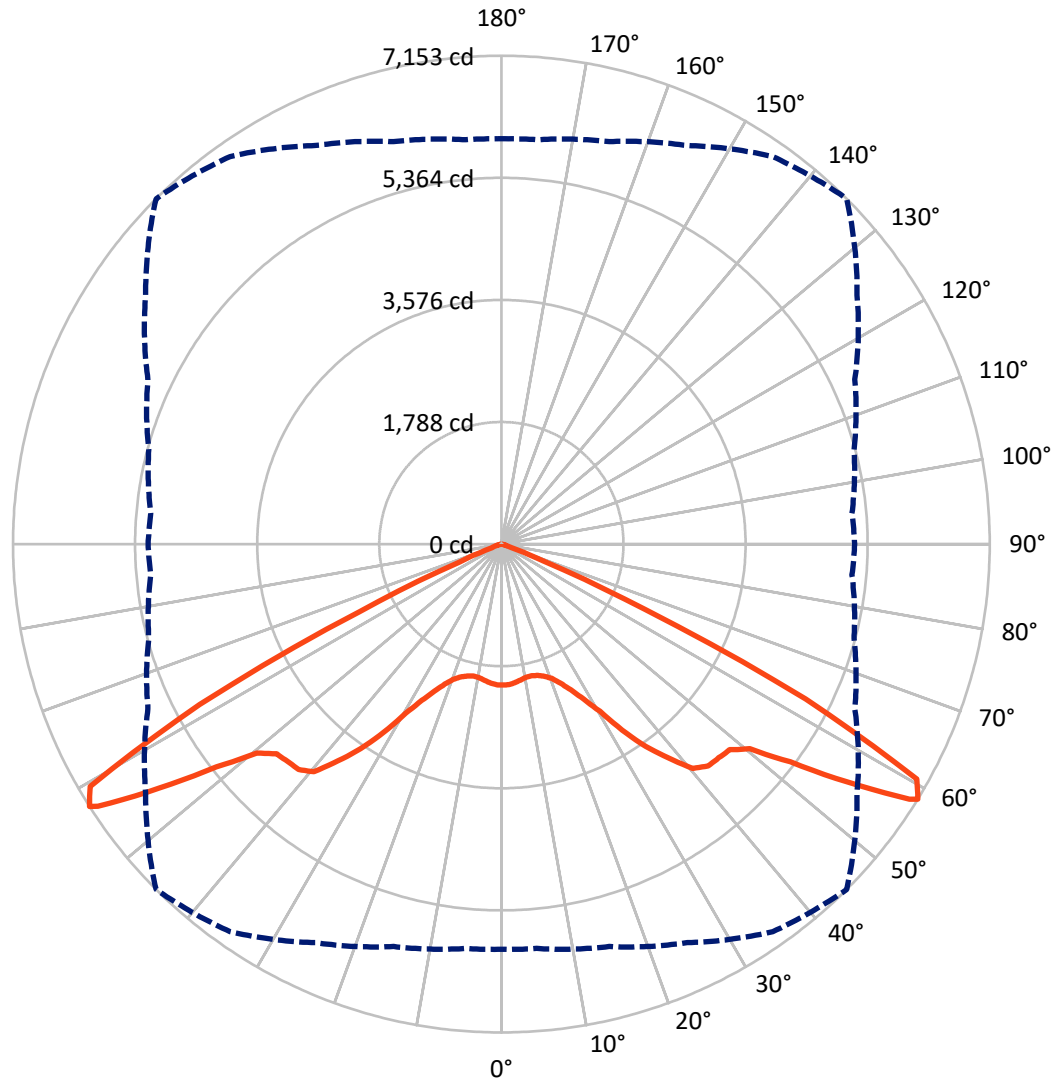
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.2 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	7276.1	0.0	7276.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7276.1	0.0	7276.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	14552.1	0.0	14552.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.6	1.3
10°-20°	569.7	3.9
20°-30°	1077.5	7.4
30°-40°	2125.1	14.6
40°-50°	3362.9	23.1
50°-60°	4943.3	34.0
60°-70°	2206.5	15.2
70°-80°	73.9	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°	14552.1	100.0
0°-180°	14552.1	100.0

Coefficient of Utilization



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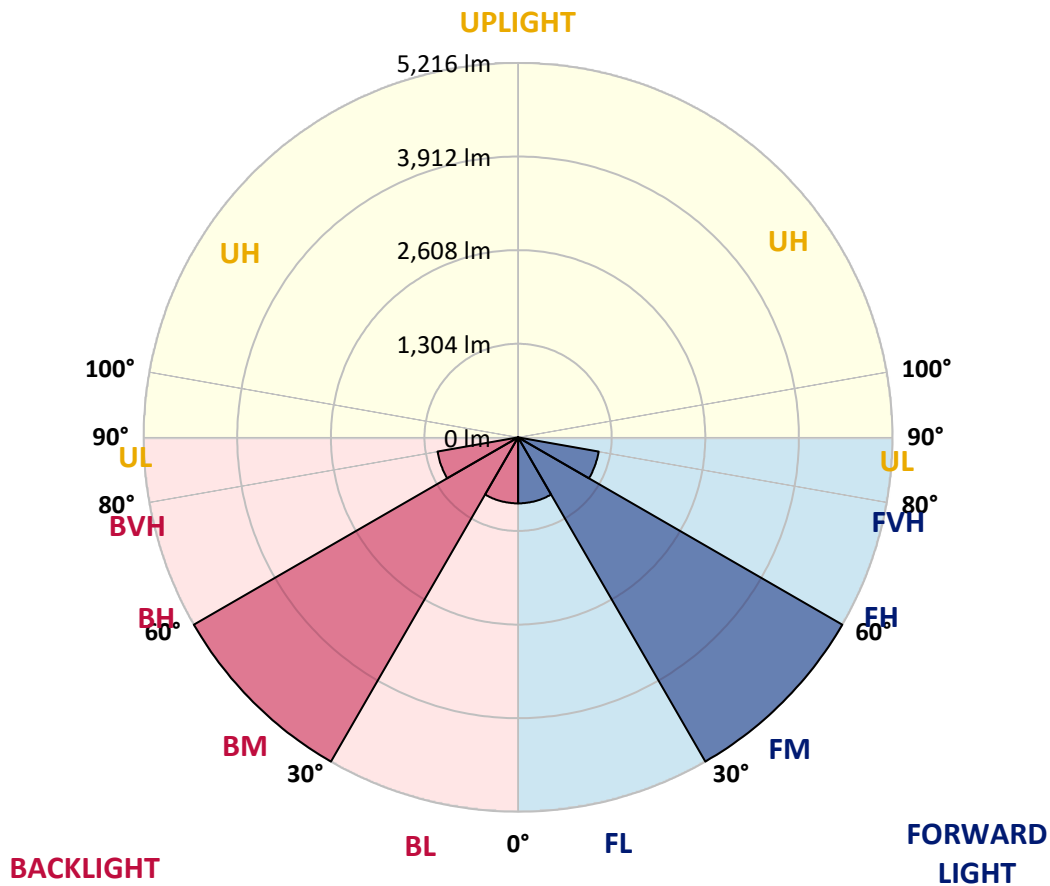
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	919.9	6.3			
FM (30°-60°)	5215.7	35.8			
FH (60°-80°)	1140.2	7.8			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	919.9	6.3	B2/1000		
BM (30°-60°)	5215.7	35.8	B4/8500		
BH (60°-80°)	1140.2	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: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2063.7	2063.7	2063.7	2063.7	2063.7	2063.7	2063.7	2063.7	2063.7	2063.7	2063.7
2.5°	2043.9	2047.8	2051.8	2053.8	2055.8	2061.7	2063.7	2057.7	2057.7	2045.8	2059.7
5°	2033.9	2037.9	2041.9	2039.9	2039.9	2039.9	2037.9	2030.0	2028.0	2016.1	2030.0
7.5°	2016.1	2020.1	2020.1	2014.1	2010.2	2010.2	2008.2	1998.3	1996.3	1984.4	1998.3
10°	2002.2	2004.2	2002.2	1990.3	1982.4	1982.4	1980.4	1976.5	1978.4	1970.5	1982.4
12.5°	2010.2	2012.1	2004.2	1988.4	1978.4	1976.5	1970.5	1964.6	1970.5	1968.5	1980.4
15°	2035.9	2037.9	2024.0	2004.2	1996.3	1996.3	1980.4	1964.6	1972.5	1974.5	1988.4
17.5°	2067.6	2067.6	2049.8	2032.0	2033.9	2033.9	2008.2	1980.4	1982.4	1990.3	2004.2
20°	2105.3	2105.3	2087.5	2083.5	2097.4	2099.4	2067.6	2024.0	2014.1	2020.1	2035.9
22.5°	2172.7	2172.7	2158.8	2168.7	2200.5	2210.4	2162.8	2101.3	2077.6	2081.5	2097.4
25°	2277.8	2277.8	2273.8	2297.6	2343.2	2365.0	2301.6	2220.3	2180.6	2174.7	2192.5
27.5°	2454.2	2456.2	2450.3	2485.9	2543.4	2569.2	2482.0	2374.9	2327.3	2317.4	2335.3
30°	2682.2	2682.2	2684.2	2733.7	2809.1	2842.8	2727.8	2602.9	2547.4	2515.7	2539.5
32.5°	2935.9	2939.9	2959.7	3043.0	3175.8	3245.2	3076.7	2902.2	2813.0	2779.3	2805.1
35°	3354.2	3316.6	3292.8	3354.2	3546.5	3637.7	3421.6	3217.4	3150.0	3146.1	3211.5
37.5°	3768.5	3746.7	3697.2	3760.6	3933.1	3974.7	3736.8	3566.3	3518.8	3544.5	3610.0
40°	4097.6	4058.0	3992.6	4052.0	4278.0	4319.7	4026.3	3857.8	3839.9	3897.4	3986.6
42.5°	4357.3	4301.8	4214.6	4228.5	4410.8	4440.6	4180.9	4054.0	4065.9	4137.3	4238.4
45°	4474.3	4430.7	4353.4	4347.4	4462.4	4464.4	4260.2	4194.8	4226.5	4282.0	4361.3
47.5°	4523.8	4504.0	4460.4	4450.5	4515.9	4500.1	4373.2	4345.4	4375.2	4391.0	4436.6
50°	4646.8	4646.8	4652.7	4660.6	4728.0	4712.2	4623.0	4591.2	4553.6	4498.1	4511.9
52.5°	4991.7	5005.6	5063.1	5126.5	5249.4	5300.9	5156.2	4971.9	4791.5	4670.5	4670.5
55°	5614.2	5628.0	5695.4	5802.5	6028.5	6151.4	5814.4	5408.0	5160.2	4995.7	5017.5
57.5°	5957.1	5973.0	6111.7	6401.2	6839.3	7047.4	6323.9	5721.2	5374.3	5186.0	5201.8
58°	5935.3	5945.2	6101.8	6440.8	6928.5	7152.5	6359.5	5711.3	5346.5	5154.2	5174.1
60°	5273.2	5259.3	5509.1	5992.8	6680.7	6990.0	6004.7	5213.7	4789.5	4593.2	4603.1
62.5°	3447.4	3455.3	3671.4	4176.9	4712.2	5003.6	4194.8	3606.0	3265.0	3146.1	3116.3
65°	1439.2	1413.5	1546.3	1827.8	2148.9	2311.5	1986.4	1681.1	1470.9	1391.6	1413.5
67.5°	370.7	360.8	368.7	461.9	565.0	668.1	561.0	428.2	372.7	376.7	376.7
70°	210.1	198.2	160.6	148.7	144.7	144.7	144.7	144.7	166.5	196.3	202.2
72.5°	158.6	148.7	117.0	101.1	89.2	83.3	87.2	101.1	120.9	146.7	150.7
75°	79.3	79.3	71.4	67.4	59.5	55.5	57.5	63.4	73.3	83.3	81.3
77.5°	15.9	17.8	19.8	23.8	19.8	19.8	19.8	23.8	23.8	25.8	23.8
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	0.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
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)