

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: P642914

Luminaire Tested: GWS-SA6D-830-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642914
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-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14975.3 lumens
Efficiency: N/A
Efficacy: 60.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

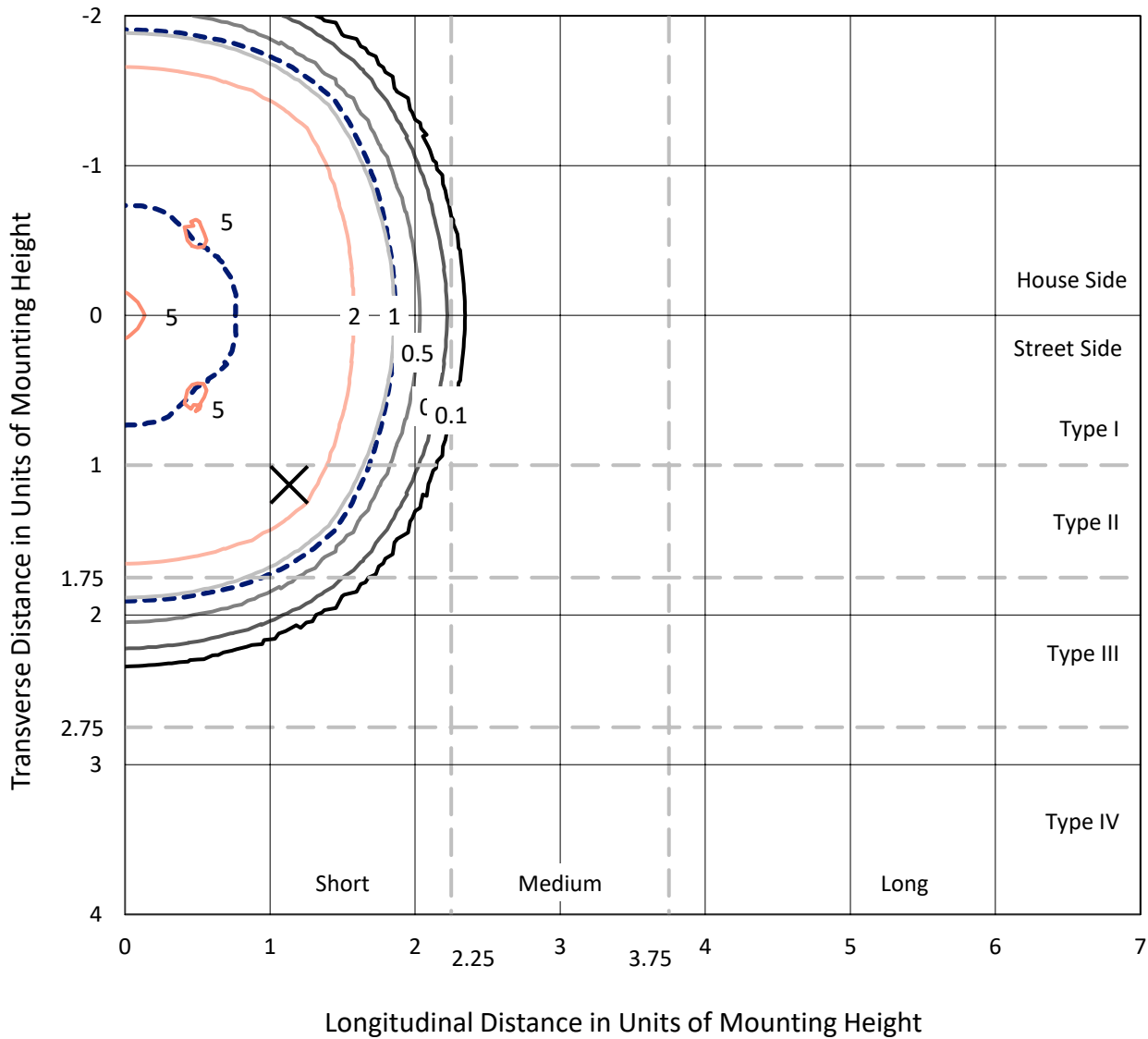
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

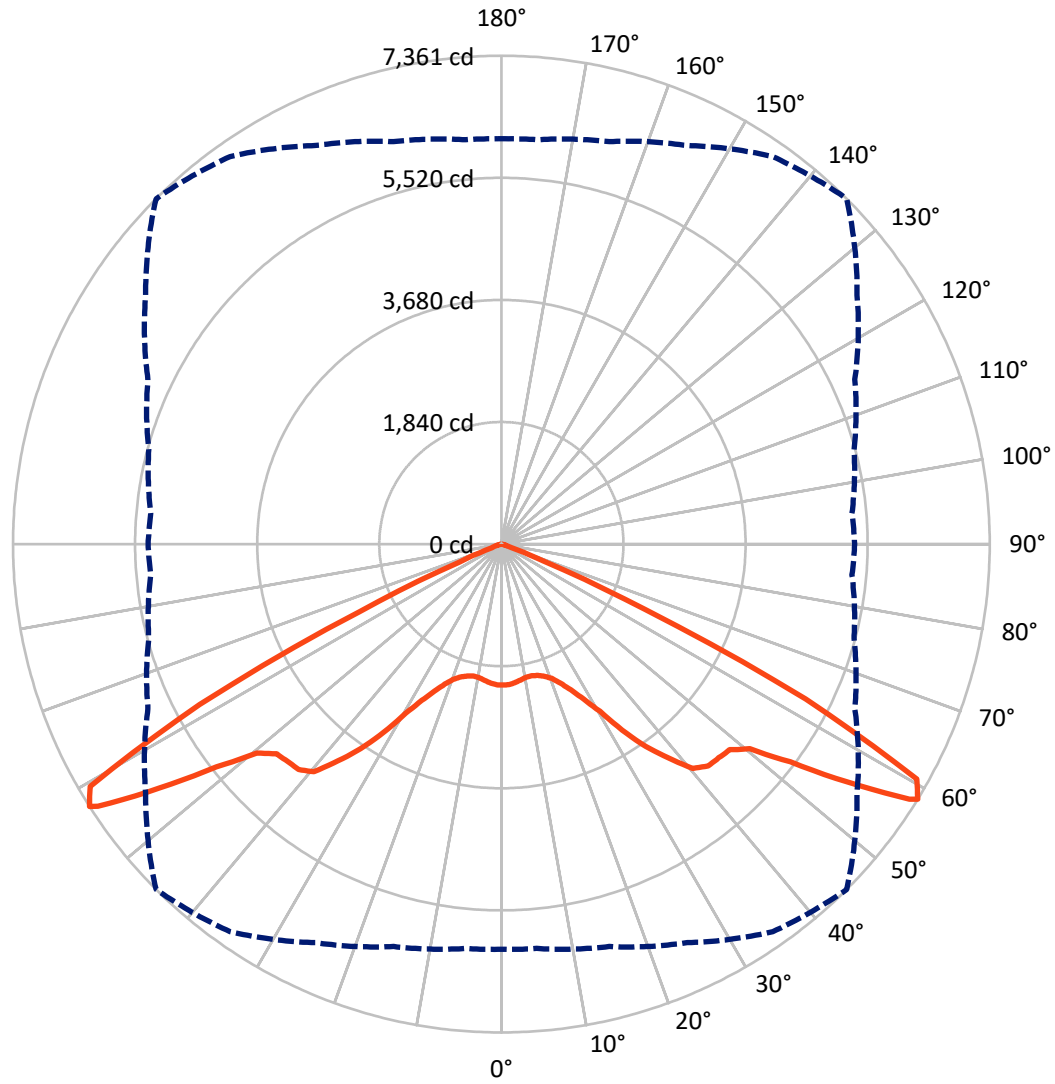
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.3 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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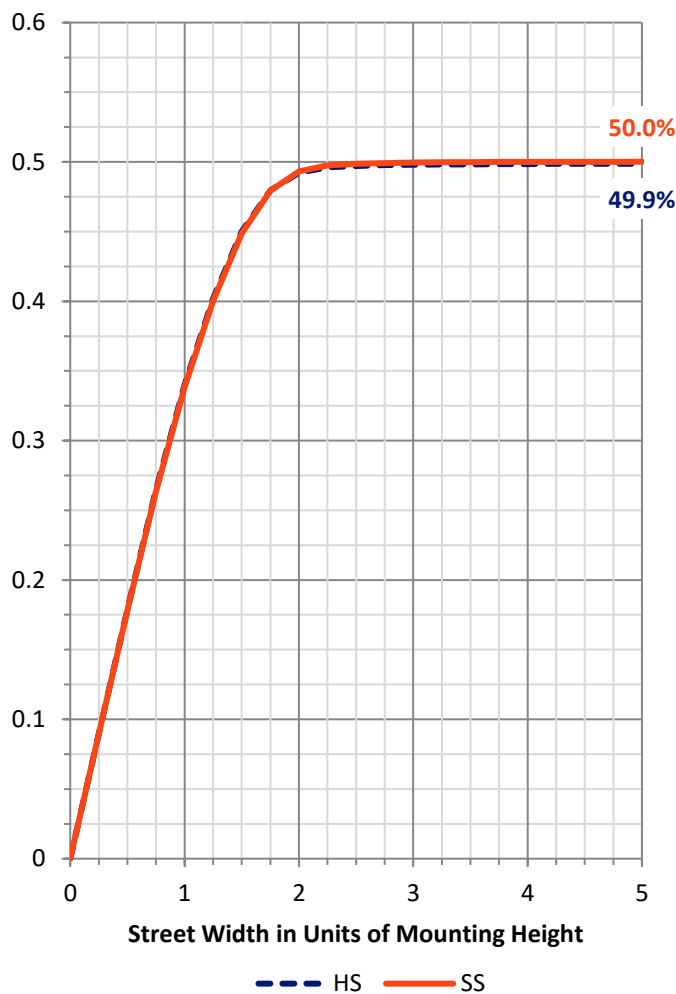
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7487.6	0.0	7487.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7487.6	0.0	7487.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	14975.3	0.0	14975.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.2	1.3
10°-20°	586.3	3.9
20°-30°	1108.8	7.4
30°-40°	2186.9	14.6
40°-50°	3460.7	23.1
50°-60°	5087.1	34.0
60°-70°	2270.7	15.2
70°-80°	76.1	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°	14975.3	100.0
0°-180°	14975.3	100.0

Coefficient of Utilization



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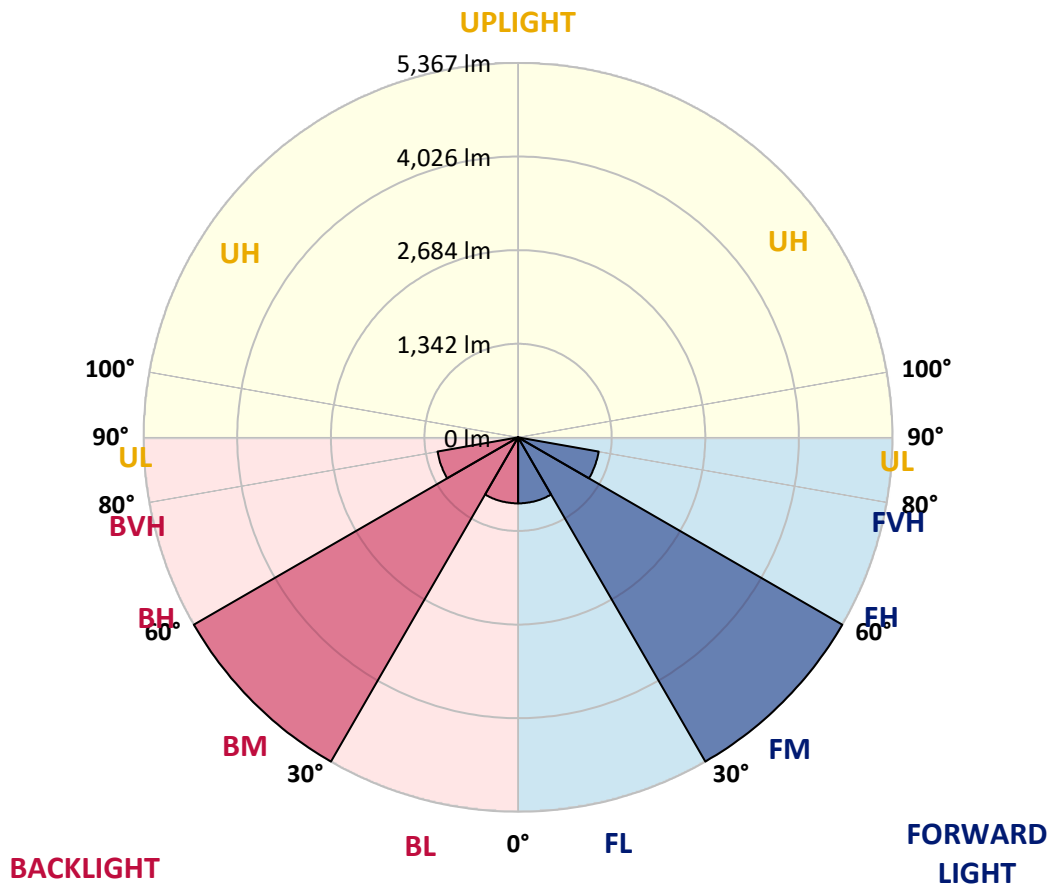
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	946.6	6.3			
FM (30°-60°)	5367.3	35.8			
FH (60°-80°)	1173.4	7.8			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	946.6	6.3	B2/1000		
BM (30°-60°)	5367.3	35.8	B4/8500		
BH (60°-80°)	1173.4	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°	2123.7	2123.7	2123.7	2123.7	2123.7	2123.7	2123.7	2123.7	2123.7	2123.7	2123.7
2.5°	2103.3	2107.4	2111.5	2113.5	2115.5	2121.7	2123.7	2117.6	2117.6	2105.3	2119.6
5°	2093.1	2097.2	2101.3	2099.2	2099.2	2099.2	2097.2	2089.0	2087.0	2074.7	2089.0
7.5°	2074.7	2078.8	2078.8	2072.7	2068.6	2068.6	2066.6	2056.4	2054.3	2042.1	2056.4
10°	2060.5	2062.5	2060.5	2048.2	2040.1	2040.1	2038.0	2033.9	2036.0	2027.8	2040.1
12.5°	2068.6	2070.7	2062.5	2046.2	2036.0	2033.9	2027.8	2021.7	2027.8	2025.8	2038.0
15°	2095.1	2097.2	2082.9	2062.5	2054.3	2054.3	2038.0	2021.7	2029.9	2031.9	2046.2
17.5°	2127.8	2127.8	2109.4	2091.1	2093.1	2093.1	2066.6	2038.0	2040.1	2048.2	2062.5
20°	2166.5	2166.5	2148.2	2144.1	2158.4	2160.4	2127.8	2082.9	2072.7	2078.8	2095.1
22.5°	2235.9	2235.9	2221.6	2231.8	2264.5	2274.7	2225.7	2162.5	2138.0	2142.1	2158.4
25°	2344.0	2344.0	2339.9	2364.4	2411.3	2433.8	2368.5	2284.9	2244.1	2237.9	2256.3
27.5°	2525.6	2527.6	2521.5	2558.2	2617.4	2643.9	2554.1	2444.0	2395.0	2384.8	2403.2
30°	2760.2	2760.2	2762.2	2813.2	2890.8	2925.4	2807.1	2678.6	2621.5	2588.8	2613.3
32.5°	3021.3	3025.4	3045.8	3131.5	3268.2	3339.6	3166.2	2986.6	2894.8	2860.2	2886.7
35°	3451.8	3413.0	3388.5	3451.8	3649.7	3743.5	3521.1	3311.0	3241.6	3237.6	3304.9
37.5°	3878.1	3855.7	3804.7	3870.0	4047.5	4090.3	3845.5	3670.1	3621.1	3647.6	3714.9
40°	4216.8	4176.0	4108.7	4169.9	4402.4	4445.3	4143.4	3969.9	3951.6	4010.7	4102.6
42.5°	4484.0	4426.9	4337.2	4351.4	4539.1	4569.7	4302.5	4171.9	4184.2	4257.6	4361.6
45°	4604.4	4559.5	4480.0	4473.8	4592.2	4594.2	4384.1	4316.8	4349.4	4406.5	4488.1
47.5°	4655.4	4635.0	4590.1	4579.9	4647.2	4630.9	4500.4	4471.8	4502.4	4518.7	4565.6
50°	4781.9	4781.9	4788.0	4796.2	4865.5	4849.2	4757.4	4724.8	4686.0	4628.9	4643.2
52.5°	5136.9	5151.1	5210.3	5275.6	5402.1	5455.1	5306.2	5116.5	4930.8	4806.4	4806.4
55°	5777.4	5791.7	5861.1	5971.2	6203.8	6330.3	5983.5	5565.3	5310.3	5140.9	5163.4
57.5°	6130.4	6146.7	6289.5	6587.3	7038.2	7252.4	6507.8	5887.6	5530.6	5336.8	5353.1
58°	6107.9	6118.1	6279.3	6628.1	7130.0	7360.5	6544.5	5877.4	5502.0	5304.1	5324.5
60°	5426.5	5412.3	5669.3	6167.1	6875.0	7193.2	6179.3	5365.3	4928.8	4726.8	4737.0
62.5°	3547.7	3555.8	3778.2	4298.4	4849.2	5149.1	4316.8	3710.9	3360.0	3237.6	3207.0
65°	1481.1	1454.6	1591.2	1880.9	2211.4	2378.7	2044.1	1730.0	1513.7	1432.1	1454.6
67.5°	381.5	371.3	379.5	475.3	581.4	687.5	577.3	440.7	383.5	387.6	387.6
70°	216.2	204.0	165.2	153.0	148.9	148.9	148.9	148.9	171.4	202.0	208.1
72.5°	163.2	153.0	120.4	104.0	91.8	85.7	89.8	104.0	124.4	151.0	155.0
75°	81.6	81.6	73.4	69.4	61.2	57.1	59.2	65.3	75.5	85.7	83.6
77.5°	16.3	18.4	20.4	24.5	20.4	20.4	20.4	24.5	24.5	26.5	24.5
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)