

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: P632847

Luminaire Tested: GWS-SA2D-750-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632847
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-SA2D-750-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10827.6 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

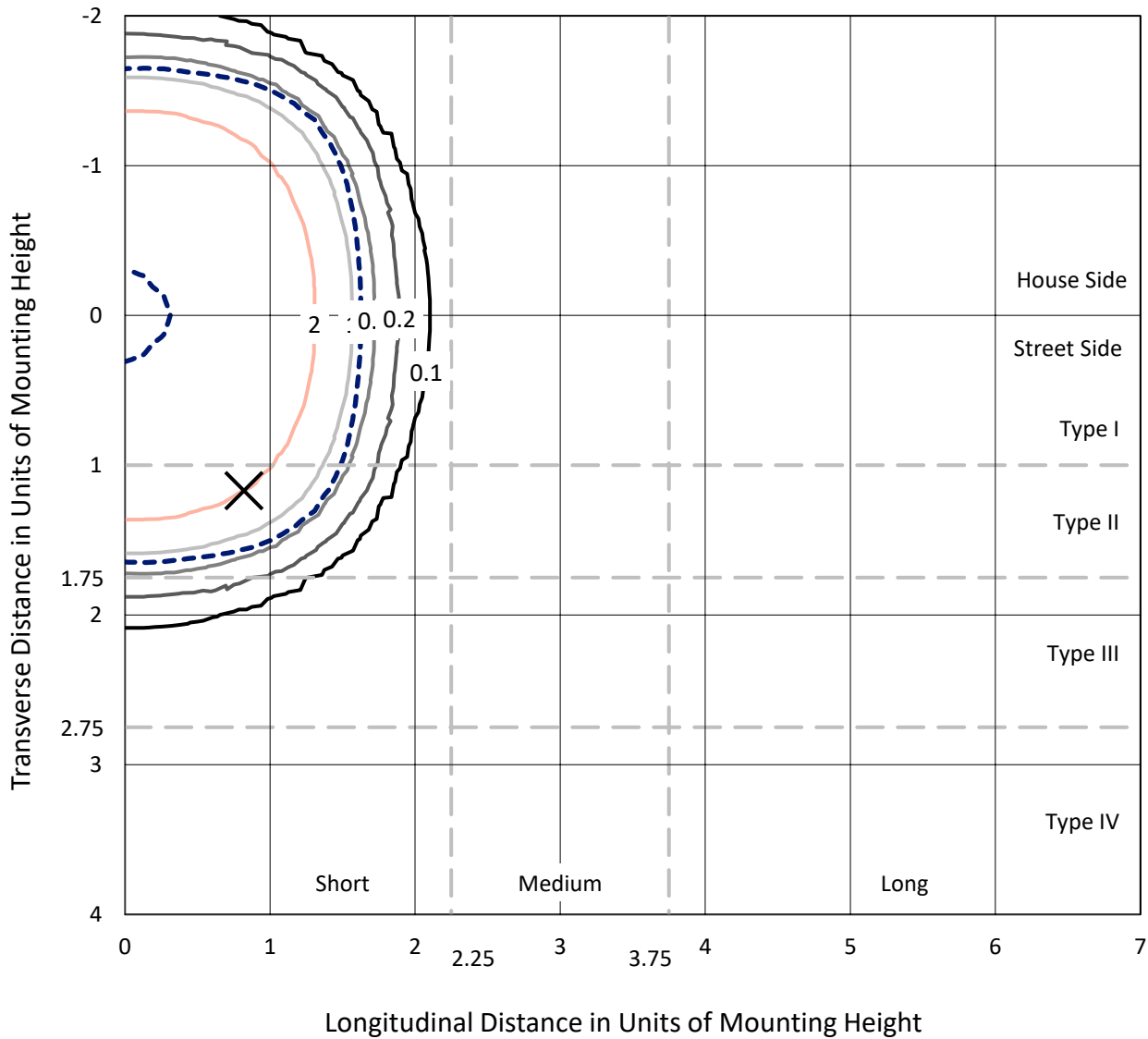
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

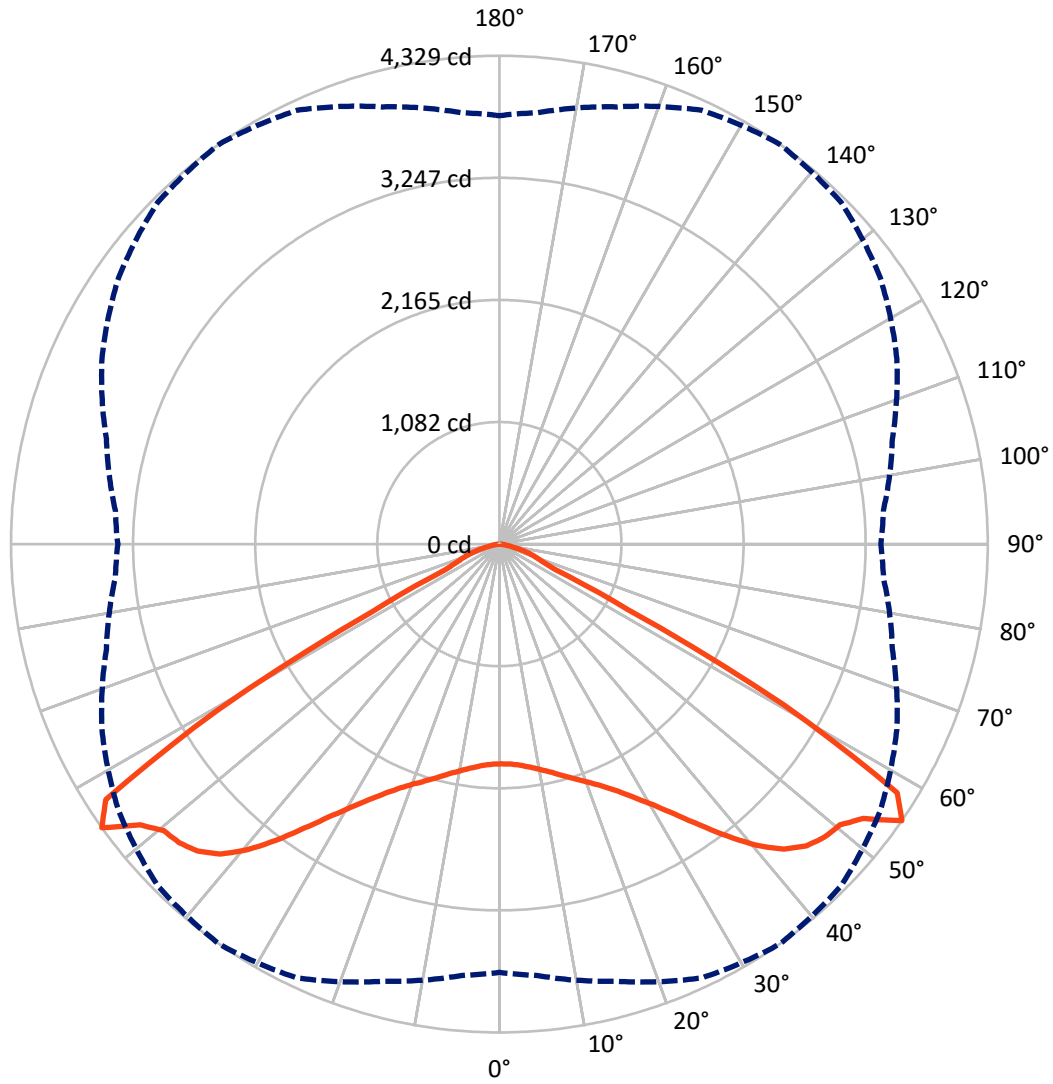
✕ Max cd
 - - - 1/2 Max cd



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5413.8	0.0	5413.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5413.8	0.0	5413.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	10827.6	0.0	10827.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.0	1.8
10°-20°	604.9	5.6
20°-30°	1119.6	10.3
30°-40°	1872.8	17.3
40°-50°	2853.8	26.4
50°-60°	3196.9	29.5
60°-70°	756.4	7.0
70°-80°	203.9	1.9
80°-90°	29.3	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°	10827.6	100.0
0°-180°	10827.6	100.0

Coefficient of Utilization



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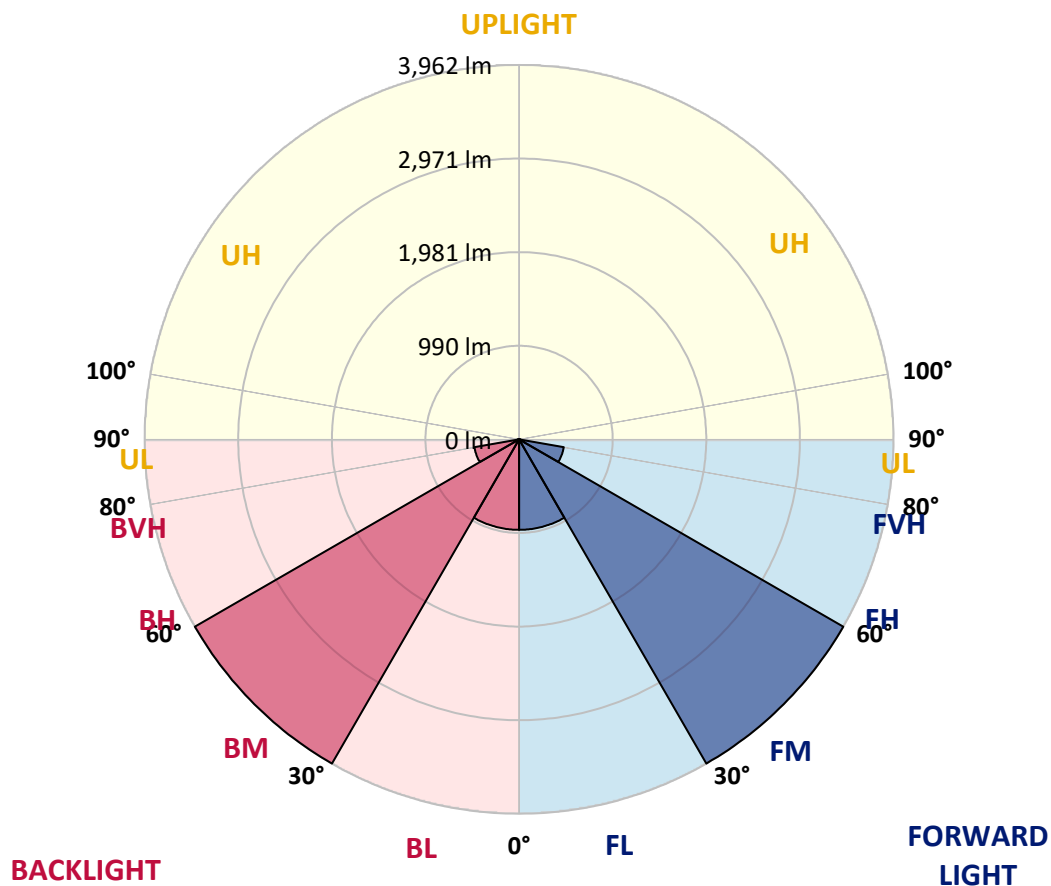
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	957.2	8.8			
FM (30°-60°)	3961.7	36.6			
FH (60°-80°)	480.2	4.4			G0/660
FVH (80°-90°)	14.7	0.1			G1/100
BL (0°-30°)	957.2	8.8	B2/1000		
BM (30°-60°)	3961.7	36.6	B3/5000		
BH (60°-80°)	480.2	4.4	B1/500		G0/660
BVH (80°-90°)	14.7	0.1			G1/100
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°	1947.9	1947.9	1947.9	1947.9	1947.9	1947.9	1947.9	1947.9	1947.9	1947.9	1947.9
2.5°	1943.6	1943.6	1947.1	1951.3	1952.2	1960.8	1959.0	1955.6	1953.9	1950.5	1958.2
5°	1965.0	1965.9	1968.5	1971.0	1969.3	1976.2	1973.6	1969.3	1966.8	1962.5	1970.2
7.5°	1993.3	1993.3	1995.9	1999.3	1997.6	2007.9	2002.7	1996.7	1992.4	1987.3	1994.2
10°	2019.0	2020.7	2023.3	2030.1	2033.5	2044.7	2041.2	2032.7	2025.8	2019.8	2027.5
12.5°	2057.5	2059.2	2061.8	2071.2	2077.2	2088.3	2083.2	2071.2	2060.9	2052.4	2060.9
15°	2107.2	2105.5	2112.3	2124.3	2132.0	2142.3	2136.3	2115.7	2102.0	2090.9	2099.5
17.5°	2157.7	2156.8	2163.7	2179.1	2190.2	2203.9	2193.7	2169.7	2155.1	2141.4	2150.0
20°	2212.5	2215.1	2221.9	2236.5	2252.7	2270.7	2262.1	2236.5	2220.2	2204.8	2211.6
22.5°	2280.1	2281.0	2288.7	2307.5	2328.9	2346.1	2340.9	2309.2	2288.7	2272.4	2281.0
25°	2361.5	2360.6	2370.9	2393.2	2423.1	2440.2	2429.1	2394.0	2371.7	2352.9	2359.8
27.5°	2454.8	2453.9	2469.4	2498.5	2541.3	2565.3	2542.1	2498.5	2467.6	2441.1	2447.1
30°	2572.1	2569.5	2586.7	2626.0	2681.7	2721.9	2687.7	2626.9	2586.7	2558.4	2564.4
32.5°	2702.2	2705.7	2727.1	2780.2	2850.4	2902.6	2851.2	2783.6	2729.6	2688.5	2695.4
35°	2845.2	2845.2	2888.9	2954.8	3055.0	3124.4	3044.7	2947.1	2875.2	2818.7	2820.4
37.5°	3004.5	3006.2	3063.6	3154.3	3285.3	3366.7	3258.8	3138.1	3050.7	2989.9	2986.5
40°	3198.9	3204.0	3263.1	3364.1	3511.4	3585.9	3470.3	3352.1	3263.1	3191.2	3184.3
42.5°	3418.1	3419.8	3482.3	3573.0	3697.2	3741.7	3650.9	3554.2	3481.4	3416.3	3409.5
45°	3627.0	3622.7	3676.6	3744.3	3816.2	3820.5	3770.0	3730.6	3667.2	3611.6	3601.3
47.5°	3789.7	3786.2	3835.0	3871.9	3880.4	3838.5	3854.7	3860.7	3787.1	3711.7	3692.0
50°	3889.0	3895.8	3942.1	3962.6	3912.1	3843.6	3905.2	3889.8	3784.5	3686.1	3654.4
52.5°	3948.9	3959.2	4039.7	4091.9	4039.7	3974.6	3983.2	3892.4	3740.9	3610.7	3569.6
55°	3797.4	3838.5	4012.3	4243.5	4329.1	4283.7	4121.0	3887.3	3606.4	3417.2	3382.1
57.5°	2814.4	2879.5	3137.2	3638.1	4158.7	4323.9	3848.7	3258.8	2833.3	2590.1	2569.5
60°	1436.7	1509.5	1715.9	2230.5	2900.0	3132.9	2680.8	2086.6	1658.5	1461.6	1439.3
62.5°	586.5	598.5	666.1	864.8	1281.8	1478.7	1298.9	911.9	685.0	631.0	631.9
65°	461.5	464.1	460.6	472.6	536.9	595.9	550.6	483.8	471.8	477.8	473.5
67.5°	402.4	403.3	400.7	400.7	403.3	400.7	405.9	408.4	410.1	417.0	412.7
70°	336.5	337.4	337.4	339.1	338.2	333.9	341.6	345.1	345.9	350.2	347.6
72.5°	260.3	262.9	264.6	265.4	264.6	262.0	266.3	272.3	271.4	275.7	271.4
75°	176.4	179.8	181.5	184.9	184.1	184.1	189.2	191.8	189.2	192.7	189.2
77.5°	100.2	102.7	107.9	111.3	114.7	117.3	120.7	122.4	121.6	123.3	121.6
80°	58.2	59.1	63.4	65.1	69.4	73.6	77.1	78.8	79.6	80.5	79.6
82.5°	33.4	34.2	36.0	37.7	41.1	44.5	47.9	50.5	50.5	51.4	50.5
85°	16.3	16.3	17.1	18.0	19.7	22.3	24.8	27.4	28.3	28.3	28.3
87.5°	2.6	2.6	3.4	3.4	4.3	5.1	6.8	8.6	9.4	9.4	9.4
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)