

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: P635484

Luminaire Tested: GWS-SA3D-830-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635484
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-830-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12240.5 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

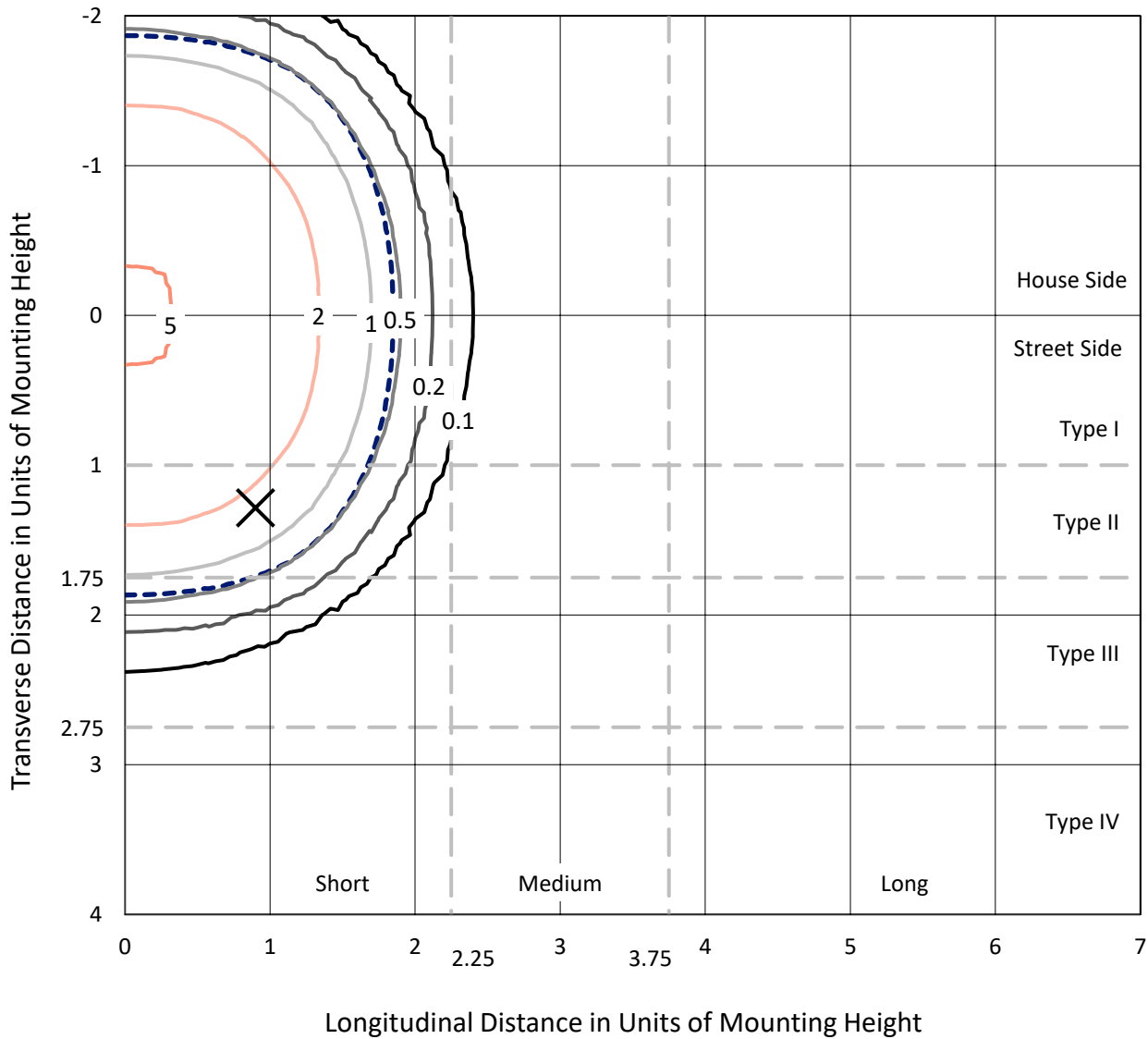
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

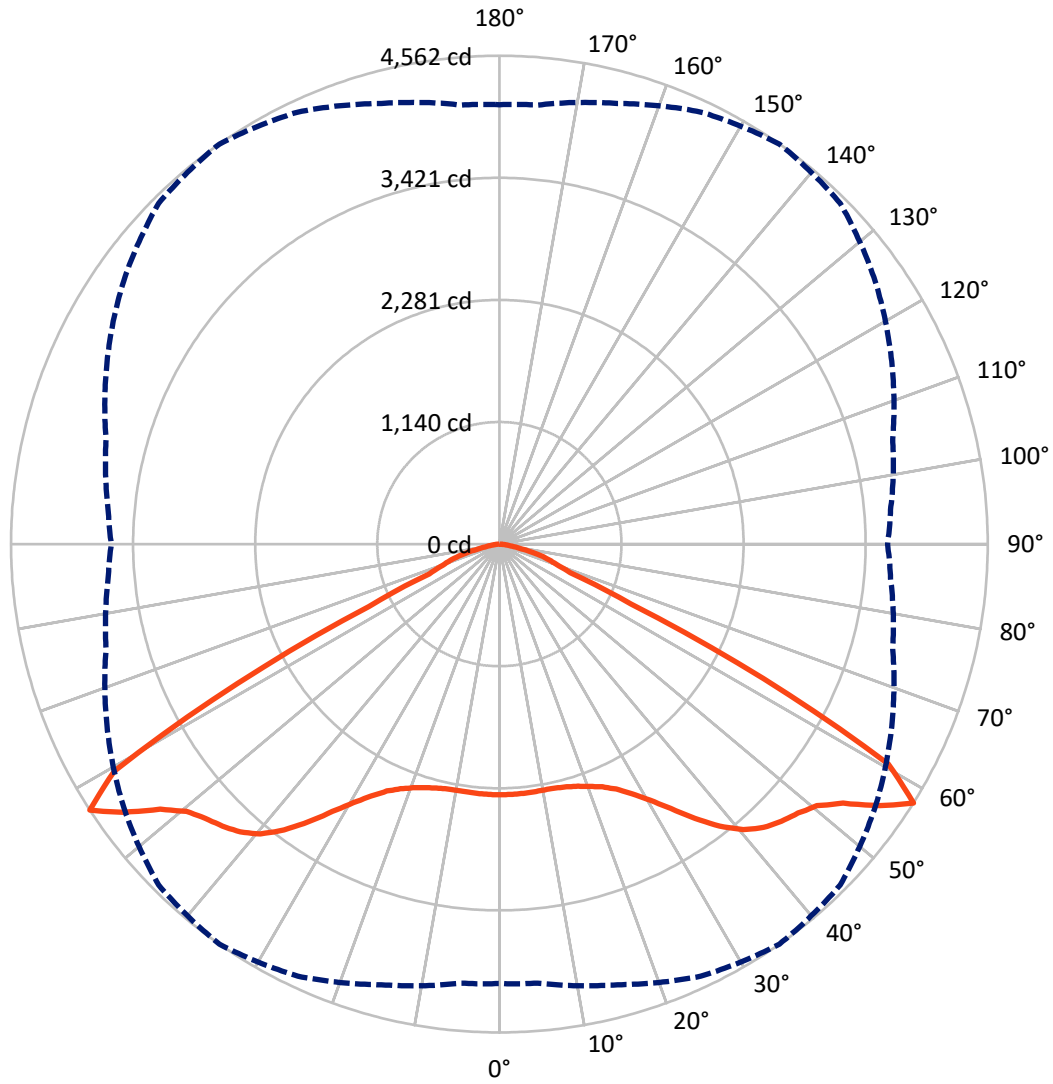
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6120.2	0.0	6120.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6120.2	0.0	6120.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	12240.5	0.0	12240.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.8	1.8
10°-20°	664.8	5.4
20°-30°	1159.9	9.5
30°-40°	1901.9	15.5
40°-50°	2801.1	22.9
50°-60°	3574.7	29.2
60°-70°	1506.5	12.3
70°-80°	359.9	2.9
80°-90°	49.0	0.4
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°	12240.5	100.0
0°-180°	12240.5	100.0

Coefficient of Utilization



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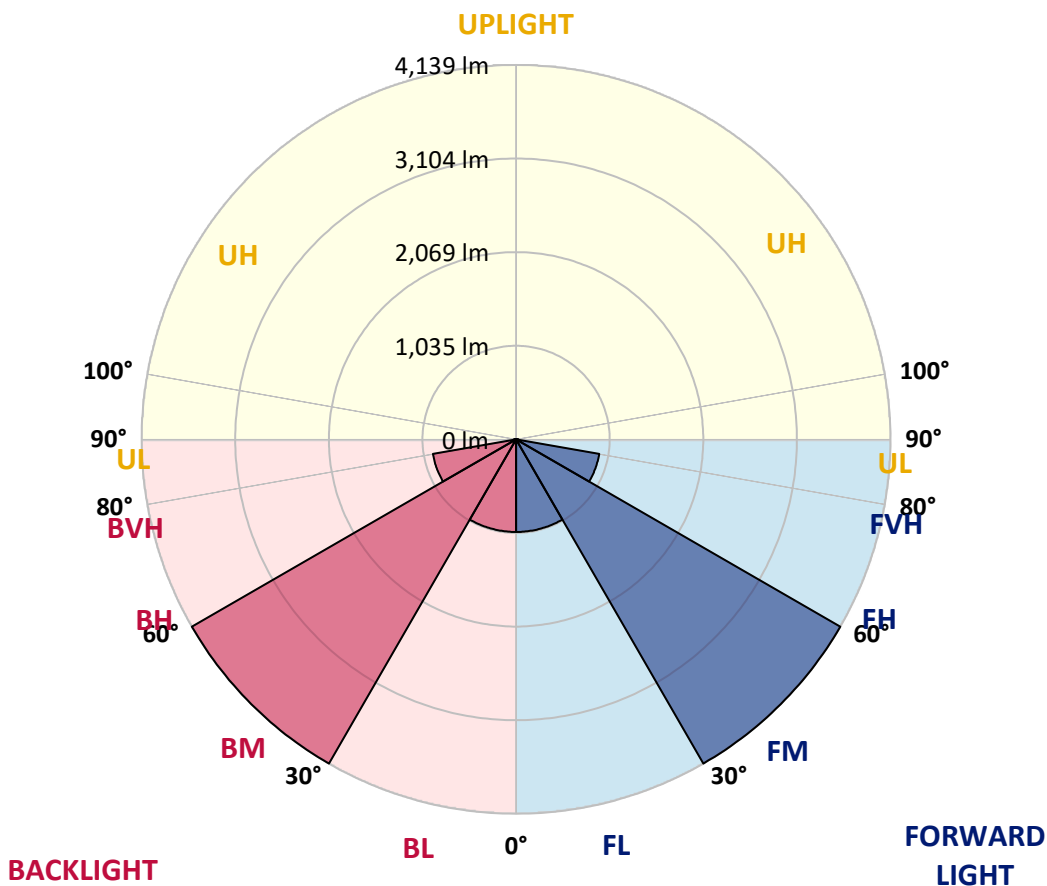
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1023.7	8.4			
FM (30°-60°)	4138.8	33.8			
FH (60°-80°)	933.2	7.6			G1/1800
FVH (80°-90°)	24.5	0.2			G1/100
BL (0°-30°)	1023.7	8.4	B3/2500		
BM (30°-60°)	4138.8	33.8	B3/5000		
BH (60°-80°)	933.2	7.6	B2/1000		G1/1800
BVH (80°-90°)	24.5	0.2			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°	2342.1	2342.1	2342.1	2342.1	2342.1	2342.1	2342.1	2342.1	2342.1	2342.1	2342.1
2.5°	2328.0	2328.0	2333.1	2338.1	2340.1	2349.1	2348.1	2345.1	2343.1	2337.1	2345.1
5°	2333.1	2333.1	2337.1	2340.1	2339.1	2346.1	2343.1	2338.1	2335.1	2329.1	2338.1
7.5°	2332.1	2332.1	2335.1	2338.1	2336.1	2342.1	2337.1	2330.1	2325.0	2319.0	2327.0
10°	2319.0	2321.0	2324.0	2331.1	2334.1	2343.1	2336.1	2325.0	2317.0	2310.0	2318.0
12.5°	2317.0	2319.0	2323.0	2332.1	2337.1	2350.1	2341.1	2323.0	2311.0	2302.0	2310.0
15°	2326.0	2328.0	2334.1	2345.1	2353.1	2367.1	2354.1	2329.1	2312.0	2300.0	2307.0
17.5°	2337.1	2340.1	2349.1	2365.1	2378.2	2393.2	2377.2	2347.1	2323.0	2307.0	2313.0
20°	2349.1	2353.1	2367.1	2391.2	2415.2	2434.3	2414.2	2374.1	2345.1	2324.0	2330.1
22.5°	2370.1	2375.2	2393.2	2427.3	2463.3	2491.4	2466.3	2412.2	2374.1	2347.1	2352.1
25°	2413.2	2419.2	2442.3	2483.4	2534.5	2568.6	2533.5	2472.4	2419.2	2386.2	2391.2
27.5°	2489.4	2492.4	2522.5	2576.6	2639.7	2678.8	2636.7	2564.6	2505.4	2467.4	2471.4
30°	2589.6	2598.6	2628.7	2699.9	2775.0	2827.1	2772.0	2686.8	2618.7	2572.6	2576.6
32.5°	2711.9	2717.9	2763.0	2837.2	2945.4	3005.5	2930.4	2829.1	2747.0	2690.8	2694.8
35°	2872.2	2877.2	2920.3	3014.5	3145.8	3201.9	3115.8	2999.5	2904.3	2851.2	2866.2
37.5°	3063.6	3072.7	3103.7	3196.9	3343.3	3398.4	3299.2	3190.9	3091.7	3042.6	3053.6
40°	3269.1	3268.1	3293.1	3375.3	3508.6	3542.7	3453.5	3367.3	3282.1	3250.0	3268.1
42.5°	3445.5	3440.5	3458.5	3526.6	3618.8	3621.9	3562.7	3514.6	3454.5	3432.4	3449.5
45°	3568.7	3570.7	3597.8	3644.9	3692.0	3667.0	3648.9	3640.9	3593.8	3563.7	3566.7
47.5°	3666.0	3674.0	3717.1	3749.1	3755.1	3713.1	3738.1	3750.1	3711.0	3664.9	3651.9
50°	3752.1	3765.2	3821.3	3855.4	3842.3	3789.2	3838.3	3856.4	3770.2	3682.0	3655.9
52.5°	3908.5	3923.5	3991.7	4035.8	4020.7	3967.6	4013.7	3949.6	3804.3	3696.0	3662.9
55°	4158.0	4165.0	4248.2	4320.4	4313.4	4248.2	4211.1	4068.8	3892.4	3780.2	3749.1
57.5°	4104.9	4116.9	4261.2	4453.7	4561.9	4502.8	4285.3	4042.8	3803.2	3668.0	3625.9
60°	3230.0	3259.1	3438.5	3777.2	4174.1	4173.1	3769.2	3392.4	3103.7	2924.3	2906.3
62.5°	1886.1	1906.1	2069.5	2412.2	2768.0	2790.1	2506.4	2247.9	1995.3	1874.1	1815.9
65°	892.9	891.9	957.1	1111.4	1351.9	1371.0	1285.8	1144.5	995.2	954.1	943.0
67.5°	659.4	659.4	654.4	665.4	711.5	721.6	711.5	688.5	674.5	683.5	677.5
70°	572.2	573.2	567.2	564.2	564.2	561.2	565.2	574.2	580.3	592.3	586.3
72.5°	464.0	465.0	465.0	466.0	467.0	463.0	469.0	474.0	475.0	479.0	475.0
75°	329.7	331.7	337.7	342.7	346.8	346.8	348.8	349.8	345.7	350.8	342.7
77.5°	181.4	183.4	194.4	203.4	212.5	213.5	216.5	218.5	216.5	220.5	214.5
80°	100.2	102.2	107.2	111.2	118.3	124.3	128.3	130.3	130.3	133.3	130.3
82.5°	57.1	59.1	62.1	64.1	70.2	75.2	79.2	82.2	82.2	83.2	81.2
85°	27.1	27.1	29.1	31.1	34.1	36.1	41.1	44.1	44.1	46.1	44.1
87.5°	4.0	5.0	6.0	6.0	8.0	10.0	12.0	13.0	15.0	16.0	16.0
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)