

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: P636476

Luminaire Tested: GWS-SA3F-830-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636476
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-830-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13667.8 lumens
Efficiency: N/A
Efficacy: 74.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

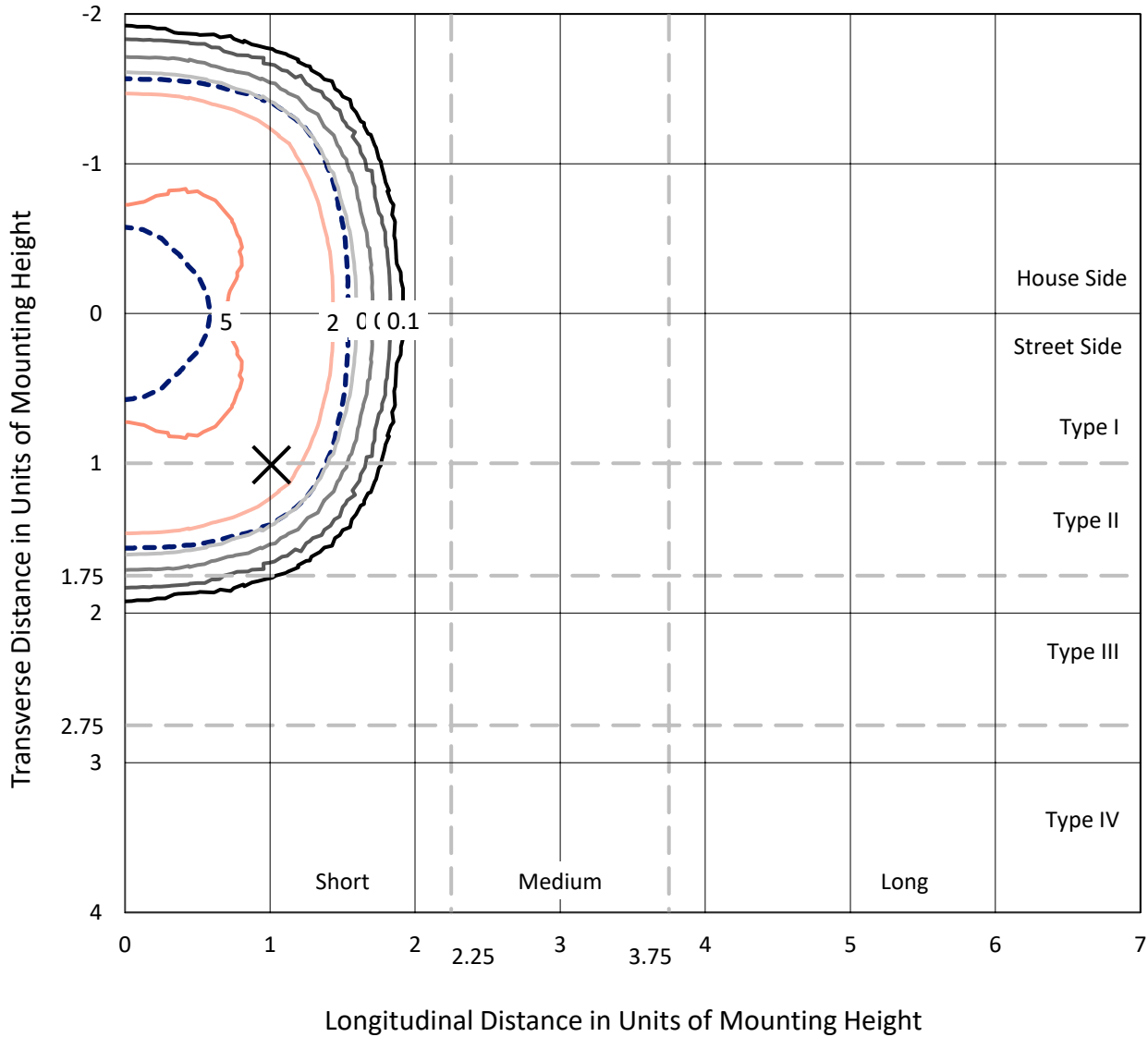
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

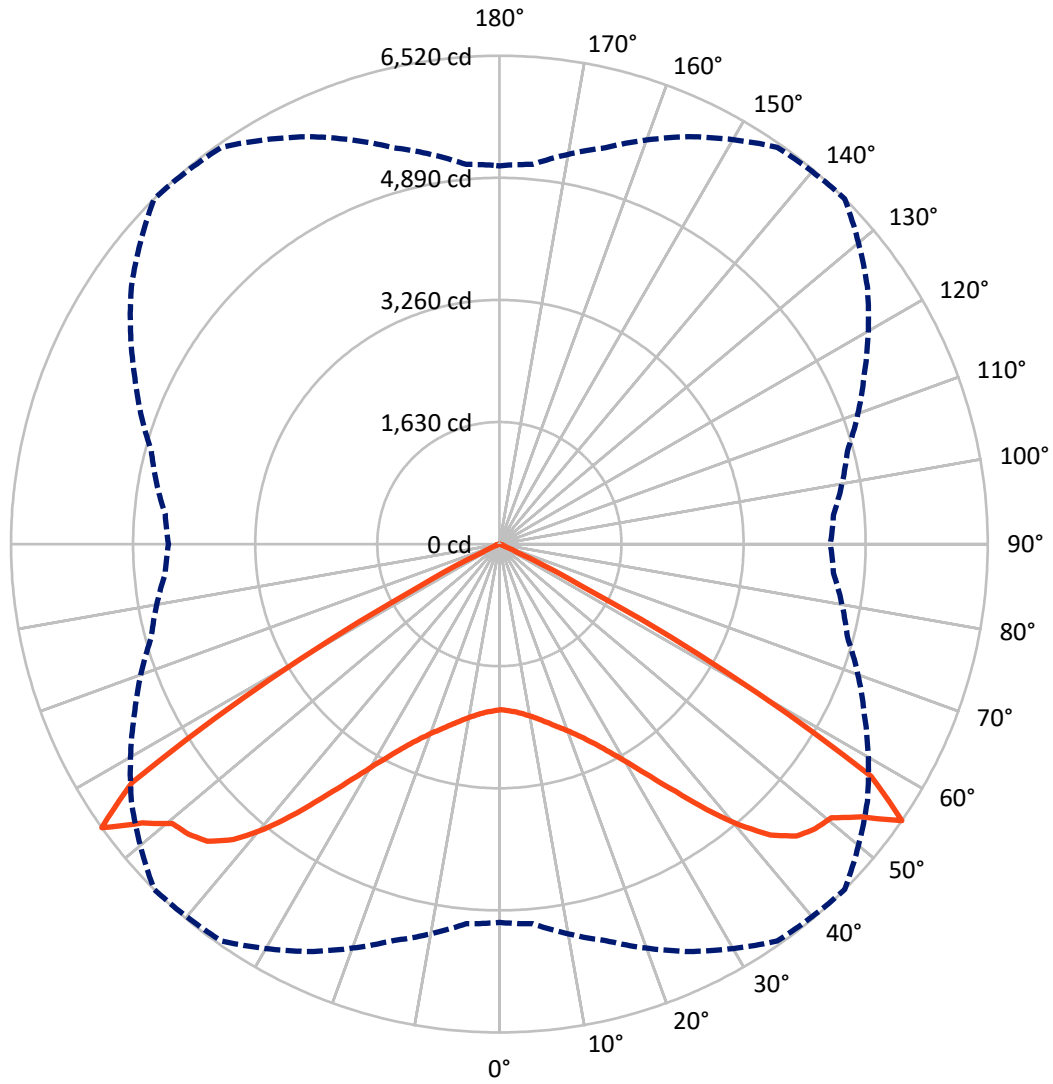
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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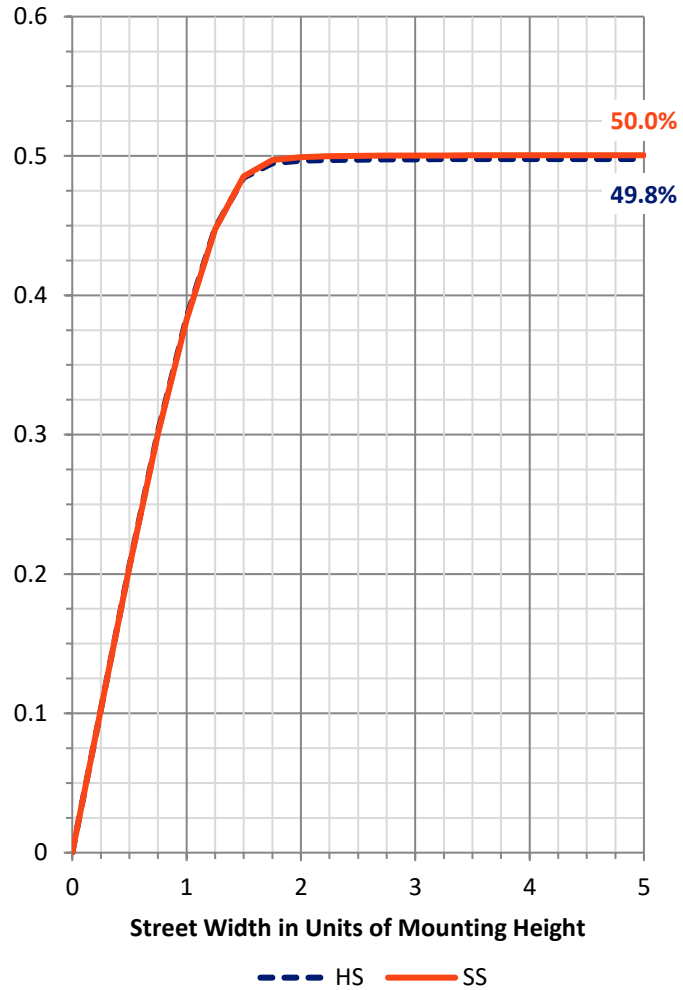
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6833.9	0.0	6833.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6833.9	0.0	6833.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	13667.8	0.0	13667.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.5	1.6
10°-20°	701.8	5.1
20°-30°	1359.2	9.9
30°-40°	2435.1	17.8
40°-50°	4082.6	29.9
50°-60°	4370.2	32.0
60°-70°	480.2	3.5
70°-80°	21.1	0.2
80°-90°	1.0	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°	13667.8	100.0
0°-180°	13667.8	100.0

Coefficient of Utilization



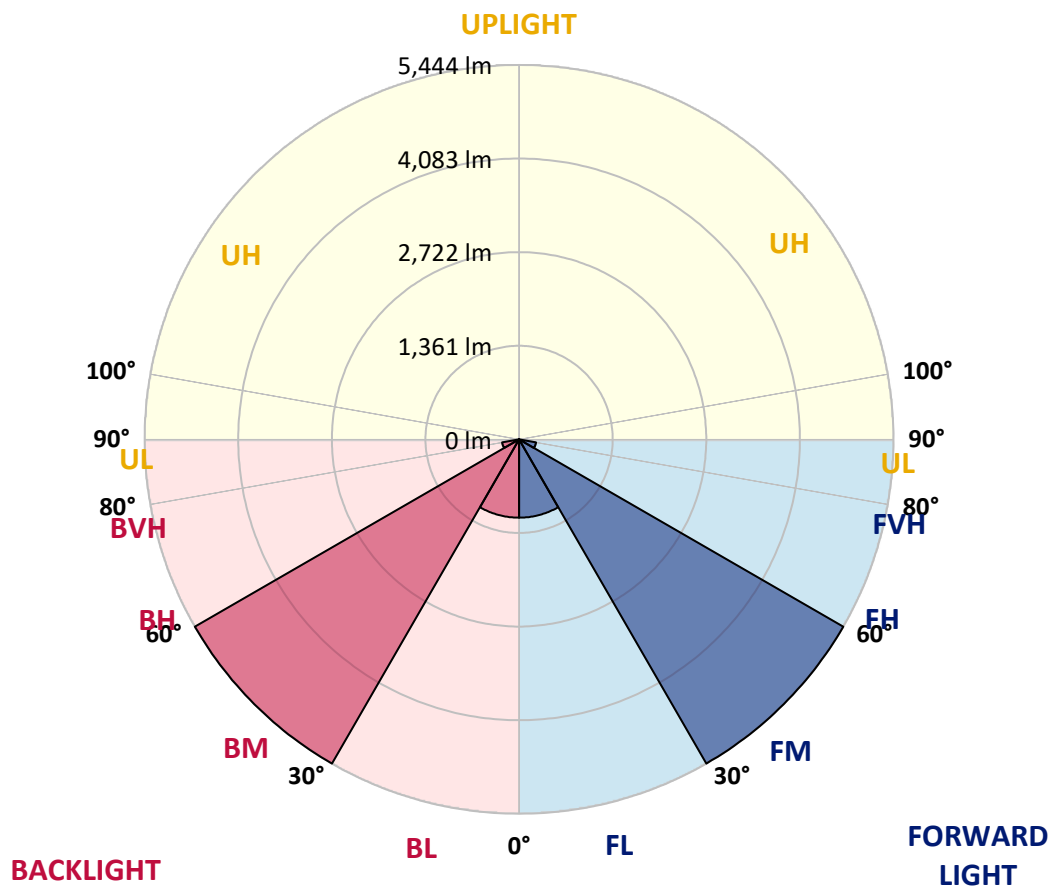
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1138.8	8.3			
FM (30°-60°)	5443.9	39.8			
FH (60°-80°)	250.7	1.8			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1138.8	8.3	B3/2500		
BM (30°-60°)	5443.9	39.8	B4/8500		
BH (60°-80°)	250.7	1.8	B1/500		G0/660
BVH (80°-90°)	0.5	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-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2209.8	2209.8	2209.8	2209.8	2209.8	2209.8	2209.8	2209.8	2209.8	2209.8	2209.8
2.5°	2205.6	2205.6	2211.2	2215.4	2215.4	2226.5	2222.4	2218.2	2218.2	2212.6	2223.7
5°	2237.7	2236.3	2241.8	2244.6	2239.1	2250.2	2243.2	2239.1	2236.3	2230.7	2241.8
7.5°	2272.5	2273.9	2275.3	2280.8	2278.0	2289.2	2283.6	2275.3	2272.5	2264.1	2275.3
10°	2314.3	2314.3	2317.0	2324.0	2325.4	2339.3	2333.7	2324.0	2315.6	2307.3	2318.4
12.5°	2367.2	2368.6	2372.7	2382.5	2388.1	2403.4	2395.0	2375.5	2363.0	2353.2	2365.8
15°	2443.8	2442.4	2447.9	2461.9	2468.8	2480.0	2467.4	2441.0	2425.6	2414.5	2422.9
17.5°	2527.3	2527.3	2530.1	2544.0	2553.8	2570.5	2555.1	2523.1	2509.2	2493.9	2502.2
20°	2619.2	2623.4	2626.2	2635.9	2652.6	2669.3	2656.8	2624.8	2609.5	2590.0	2599.7
22.5°	2740.3	2736.2	2737.6	2754.3	2777.9	2794.6	2784.9	2747.3	2720.8	2705.5	2711.1
25°	2875.4	2874.0	2878.2	2903.3	2929.7	2947.8	2933.9	2885.2	2858.7	2832.2	2843.4
27.5°	3041.1	3042.5	3045.3	3075.9	3117.7	3144.2	3109.3	3060.6	3024.4	2989.6	2997.9
30°	3237.4	3234.7	3243.0	3284.8	3346.1	3387.8	3347.5	3279.2	3227.7	3194.3	3198.5
32.5°	3446.3	3449.1	3471.4	3538.2	3619.0	3692.8	3610.6	3520.1	3453.3	3390.6	3399.0
35°	3671.9	3678.9	3729.0	3827.8	3960.1	4059.0	3944.8	3795.8	3701.1	3620.4	3623.2
37.5°	3937.9	3954.6	4024.2	4171.8	4361.2	4493.4	4326.3	4128.6	4006.1	3905.8	3898.9
40°	4287.4	4306.9	4401.5	4577.0	4806.7	4927.9	4734.3	4531.0	4379.3	4270.6	4253.9
42.5°	4688.4	4713.4	4816.5	4996.1	5225.9	5308.0	5118.7	4947.4	4810.9	4682.8	4677.2
45°	5140.9	5154.9	5238.4	5376.3	5542.0	5561.4	5419.4	5324.7	5186.9	5067.1	5057.4
47.5°	5565.6	5579.6	5636.6	5707.7	5746.6	5677.0	5652.0	5610.2	5432.0	5284.4	5253.7
50°	5888.7	5899.8	5970.8	5998.7	5890.1	5742.5	5791.2	5702.1	5508.5	5342.8	5295.5
52.5°	5866.4	5894.2	6076.7	6235.4	6167.2	6047.4	5916.5	5724.4	5423.6	5196.6	5138.1
55°	5050.4	5088.0	5479.3	6001.5	6467.9	6519.5	5995.9	5376.3	4810.9	4478.1	4418.2
57.5°	3245.8	3255.6	3733.2	4465.6	5516.9	5848.3	4972.4	4053.4	3350.2	2984.0	2959.0
60°	1193.3	1173.8	1534.5	2141.6	3177.6	3528.5	2926.9	2049.7	1462.1	1203.1	1182.2
62.5°	286.8	289.6	359.3	538.9	997.0	1233.7	974.7	544.4	346.7	291.0	288.2
65°	144.8	142.0	143.4	154.6	213.0	254.8	208.9	147.6	142.0	143.4	142.0
67.5°	93.3	91.9	94.7	96.1	94.7	89.1	87.7	90.5	90.5	91.9	89.1
70°	57.1	55.7	58.5	62.7	59.9	52.9	55.7	58.5	55.7	54.3	54.3
72.5°	30.6	30.6	33.4	36.2	33.4	30.6	30.6	32.0	30.6	30.6	30.6
75°	13.9	13.9	15.3	16.7	13.9	13.9	13.9	13.9	13.9	13.9	13.9
77.5°	4.2	4.2	5.6	5.6	4.2	4.2	4.2	4.2	5.6	5.6	5.6
80°	1.4	2.8	2.8	1.4	1.4	1.4	1.4	1.4	2.8	2.8	2.8
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
85°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
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)