

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: P634002

Luminaire Tested: GWS-SA2F-830-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634002
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-SA2F-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11682.8 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

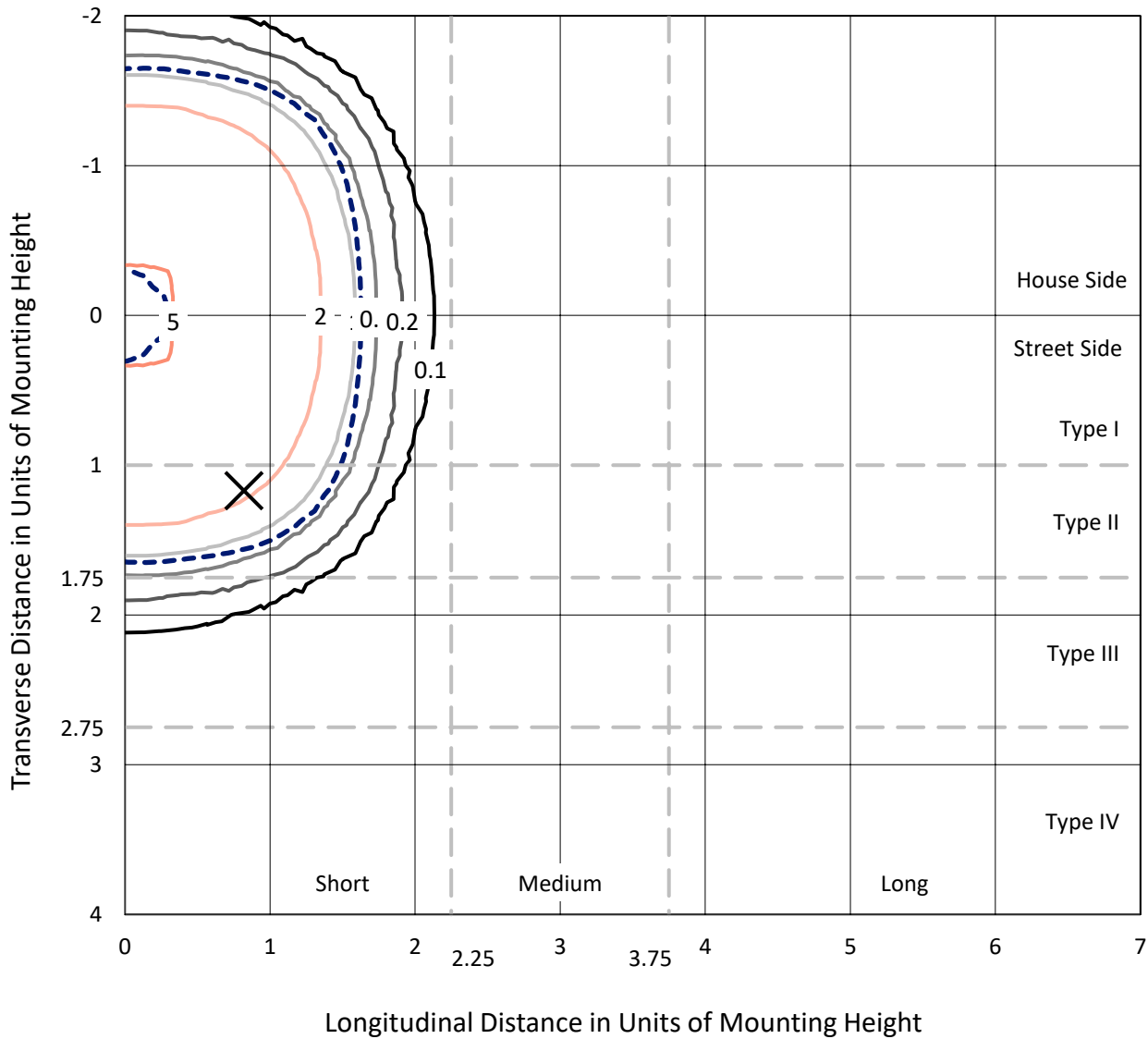
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634002
 CATALOG NUMBER: GWS-SA2F-830-U-5NQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

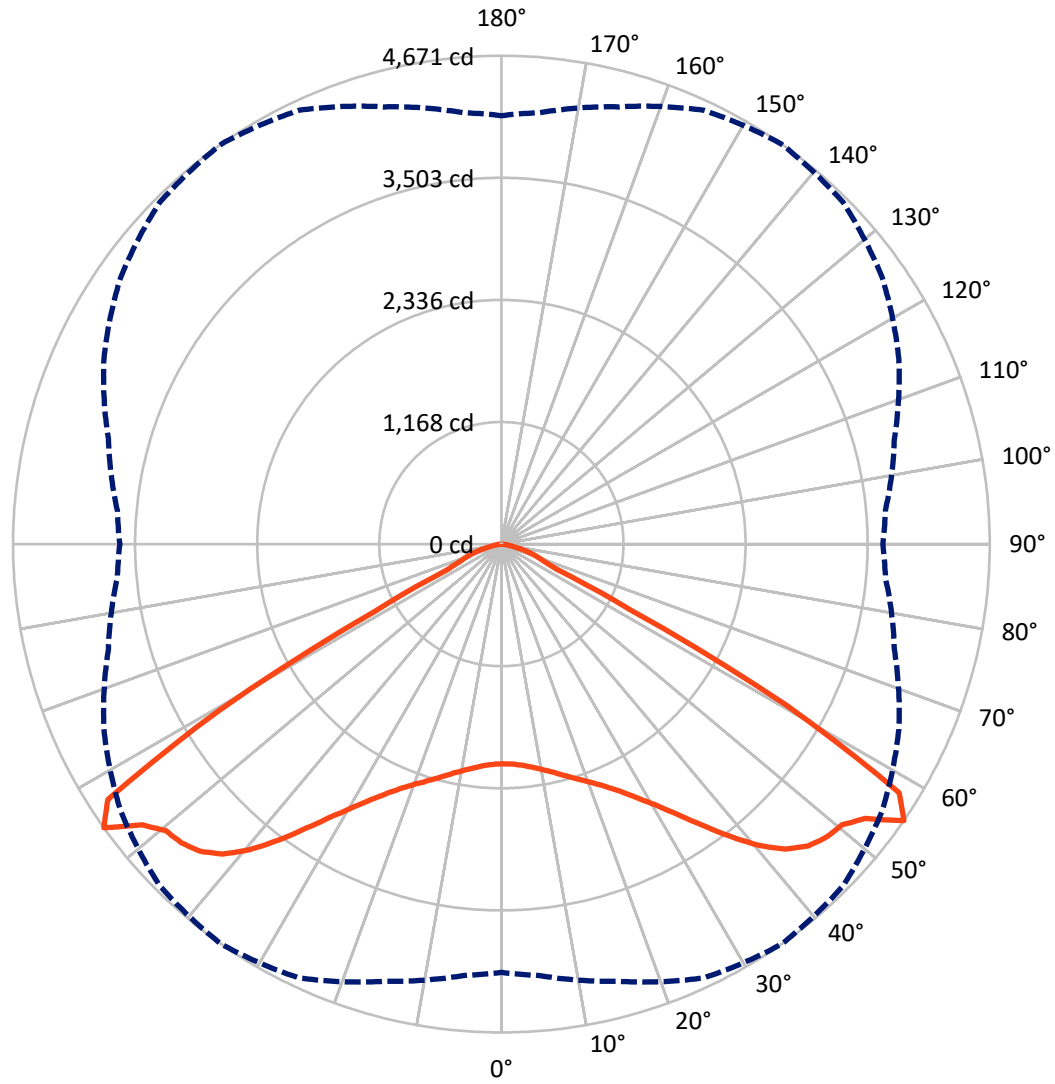
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.3 fc
 Type V - Short - N/A

REPORT NUMBER: P634002
CATALOG NUMBER: GWS-SA2F-830-U-5NQ-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634002

CATALOG NUMBER: GWS-SA2F-830-U-5NQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5841.4	0.0	5841.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5841.4	0.0	5841.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	11682.8	0.0	11682.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.0	1.8
10°-20°	652.7	5.6
20°-30°	1208.0	10.3
30°-40°	2020.7	17.3
40°-50°	3079.2	26.4
50°-60°	3449.4	29.5
60°-70°	816.2	7.0
70°-80°	220.0	1.9
80°-90°	31.7	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°	11682.8	100.0
0°-180°	11682.8	100.0

Coefficient of Utilization



REPORT NUMBER: P634002

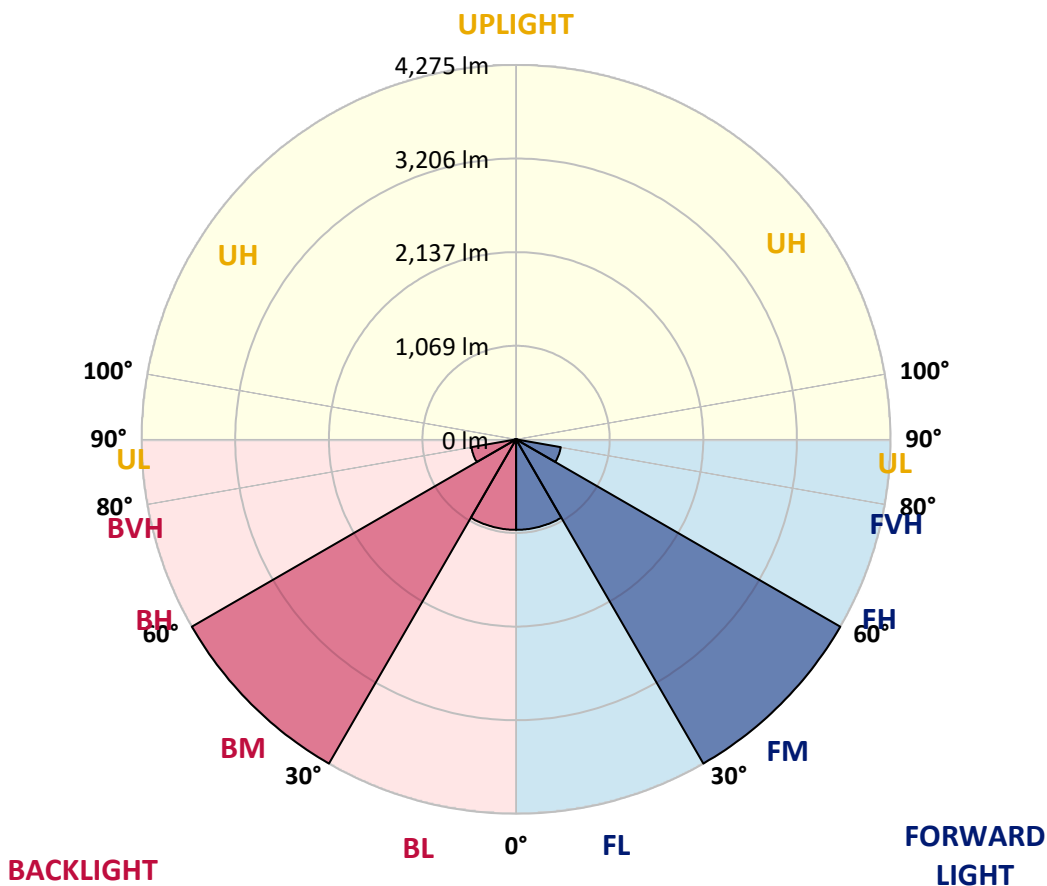
CATALOG NUMBER: GWS-SA2F-830-U-5NQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1032.8	8.8			
FM (30°-60°)	4274.6	36.6			
FH (60°-80°)	518.1	4.4			G0/660
FVH (80°-90°)	15.8	0.1			G1/100
BL (0°-30°)	1032.8	8.8	B3/2500		
BM (30°-60°)	4274.6	36.6	B3/5000		
BH (60°-80°)	518.1	4.4	B2/1000		G0/660
BVH (80°-90°)	15.8	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





REPORT NUMBER: P634002
 CATALOG NUMBER: GWS-SA2F-830-U-5NQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2101.8	2101.8	2101.8	2101.8	2101.8	2101.8	2101.8	2101.8	2101.8	2101.8	2101.8
2.5°	2097.1	2097.1	2100.8	2105.5	2106.4	2115.6	2113.8	2110.1	2108.2	2104.5	2112.9
5°	2120.2	2121.2	2123.9	2126.7	2124.9	2132.3	2129.5	2124.9	2122.1	2117.5	2125.8
7.5°	2150.7	2150.7	2153.5	2157.2	2155.4	2166.4	2160.9	2154.4	2149.8	2144.3	2151.7
10°	2178.4	2180.3	2183.1	2190.5	2194.2	2206.2	2202.5	2193.2	2185.8	2179.4	2187.7
12.5°	2220.0	2221.9	2224.6	2234.8	2241.3	2253.3	2247.7	2234.8	2223.7	2214.5	2223.7
15°	2273.6	2271.8	2279.1	2292.1	2300.4	2311.5	2305.0	2282.8	2268.1	2256.1	2265.3
17.5°	2328.1	2327.2	2334.6	2351.2	2363.2	2378.0	2366.9	2341.0	2325.3	2310.6	2319.8
20°	2387.2	2390.0	2397.4	2413.1	2430.7	2450.1	2440.8	2413.1	2395.6	2378.9	2386.3
22.5°	2460.2	2461.1	2469.5	2489.8	2512.9	2531.4	2525.8	2491.6	2469.5	2451.9	2461.1
25°	2548.0	2547.1	2558.2	2582.2	2614.5	2633.0	2621.0	2583.1	2559.1	2538.7	2546.1
27.5°	2648.7	2647.8	2664.4	2695.8	2742.0	2767.9	2742.9	2695.8	2662.5	2633.9	2640.4
30°	2775.3	2772.5	2791.0	2833.5	2893.5	2936.9	2900.0	2834.4	2791.0	2760.5	2766.9
32.5°	2915.7	2919.4	2942.5	2999.8	3075.5	3131.9	3076.4	3003.4	2945.2	2900.9	2908.3
35°	3070.0	3070.0	3117.1	3188.2	3296.3	3371.1	3285.2	3179.9	3102.3	3041.3	3043.2
37.5°	3241.8	3243.7	3305.5	3403.5	3544.8	3632.6	3516.2	3385.9	3291.7	3226.1	3222.4
40°	3451.5	3457.1	3520.8	3629.8	3788.7	3869.1	3744.4	3616.9	3520.8	3443.2	3435.8
42.5°	3688.0	3689.9	3757.3	3855.2	3989.2	4037.2	3939.3	3834.9	3756.4	3686.2	3678.8
45°	3913.4	3908.8	3967.0	4040.0	4117.6	4122.2	4067.7	4025.2	3956.9	3896.8	3885.7
47.5°	4089.0	4085.3	4137.9	4177.7	4186.9	4141.6	4159.2	4165.7	4086.2	4004.9	3983.7
50°	4196.1	4203.5	4253.4	4275.6	4221.1	4147.2	4213.7	4197.1	4083.4	3977.2	3943.0
52.5°	4260.8	4271.9	4358.7	4415.1	4358.7	4288.5	4297.8	4199.8	4036.3	3895.9	3851.5
55°	4097.3	4141.6	4329.2	4578.6	4671.0	4622.0	4446.5	4194.3	3891.3	3687.1	3649.2
57.5°	3036.7	3106.9	3385.0	3925.5	4487.2	4665.5	4152.7	3516.2	3057.0	2794.7	2772.5
60°	1550.2	1628.8	1851.4	2406.6	3129.1	3380.4	2892.6	2251.4	1789.5	1577.0	1553.0
62.5°	632.8	645.8	718.8	933.1	1383.0	1595.5	1401.5	983.9	739.1	680.9	681.8
65°	498.0	500.7	497.0	510.0	579.3	643.0	594.0	522.0	509.0	515.5	510.9
67.5°	434.2	435.1	432.4	432.4	435.1	432.4	437.9	440.7	442.5	449.9	445.3
70°	363.1	364.0	364.0	365.8	364.9	360.3	368.6	372.3	373.2	377.9	375.1
72.5°	280.9	283.6	285.5	286.4	285.5	282.7	287.3	293.8	292.9	297.5	292.9
75°	190.3	194.0	195.9	199.6	198.6	198.6	204.2	206.9	204.2	207.9	204.2
77.5°	108.1	110.9	116.4	120.1	123.8	126.6	130.3	132.1	131.2	133.0	131.2
80°	62.8	63.7	68.4	70.2	74.8	79.5	83.1	85.0	85.9	86.8	85.9
82.5°	36.0	37.0	38.8	40.6	44.3	48.0	51.7	54.5	54.5	55.4	54.5
85°	17.6	17.6	18.5	19.4	21.2	24.0	26.8	29.6	30.5	30.5	30.5
87.5°	2.8	2.8	3.7	3.7	4.6	5.5	7.4	9.2	10.2	10.2	10.2
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)