

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: P636480

Luminaire Tested: GWS-SA3F-830-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636480
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-830-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 16403.9 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

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

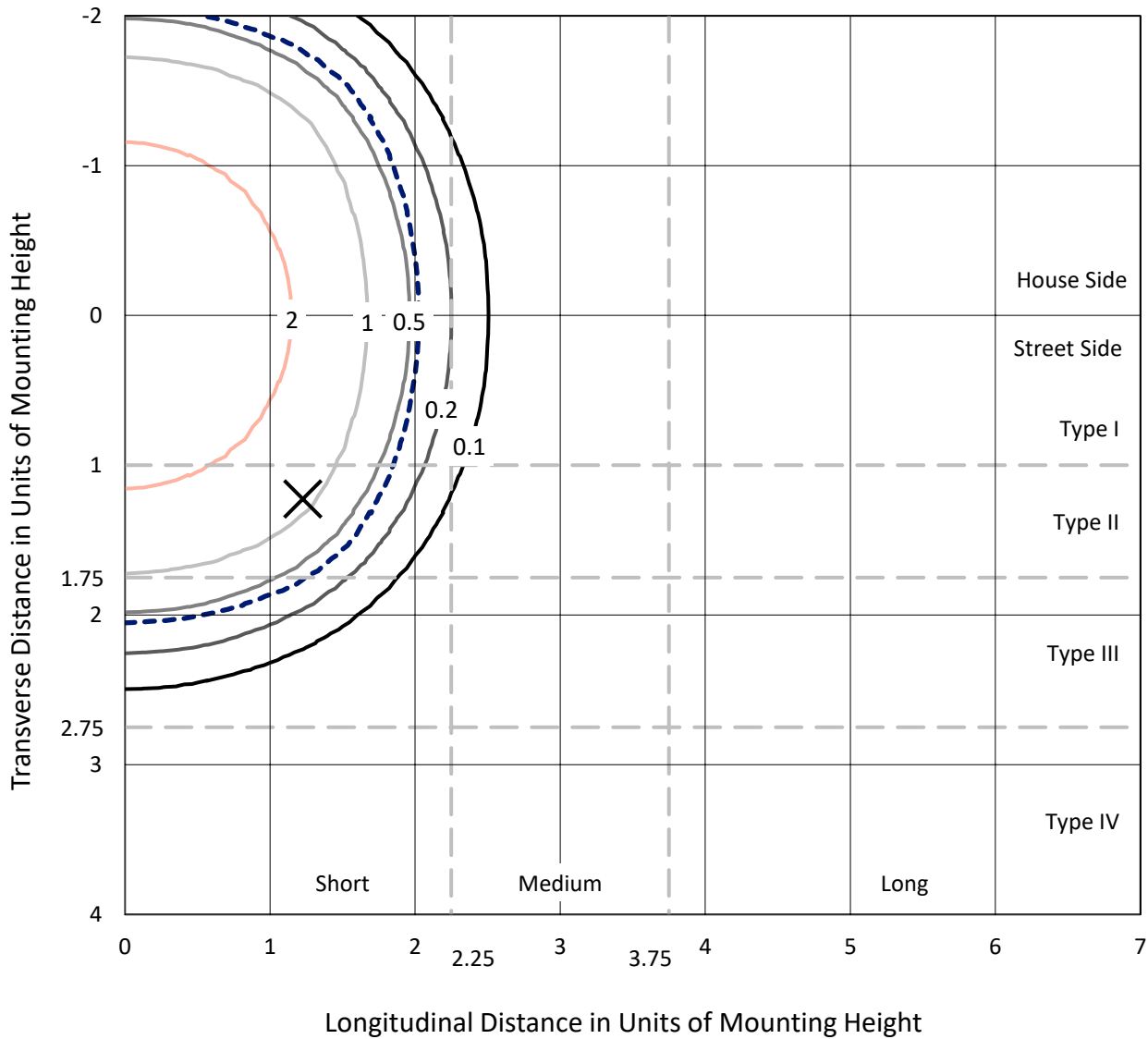


REPORT NUMBER: P636480

CATALOG NUMBER: GWS-SA3F-830-U-5WQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

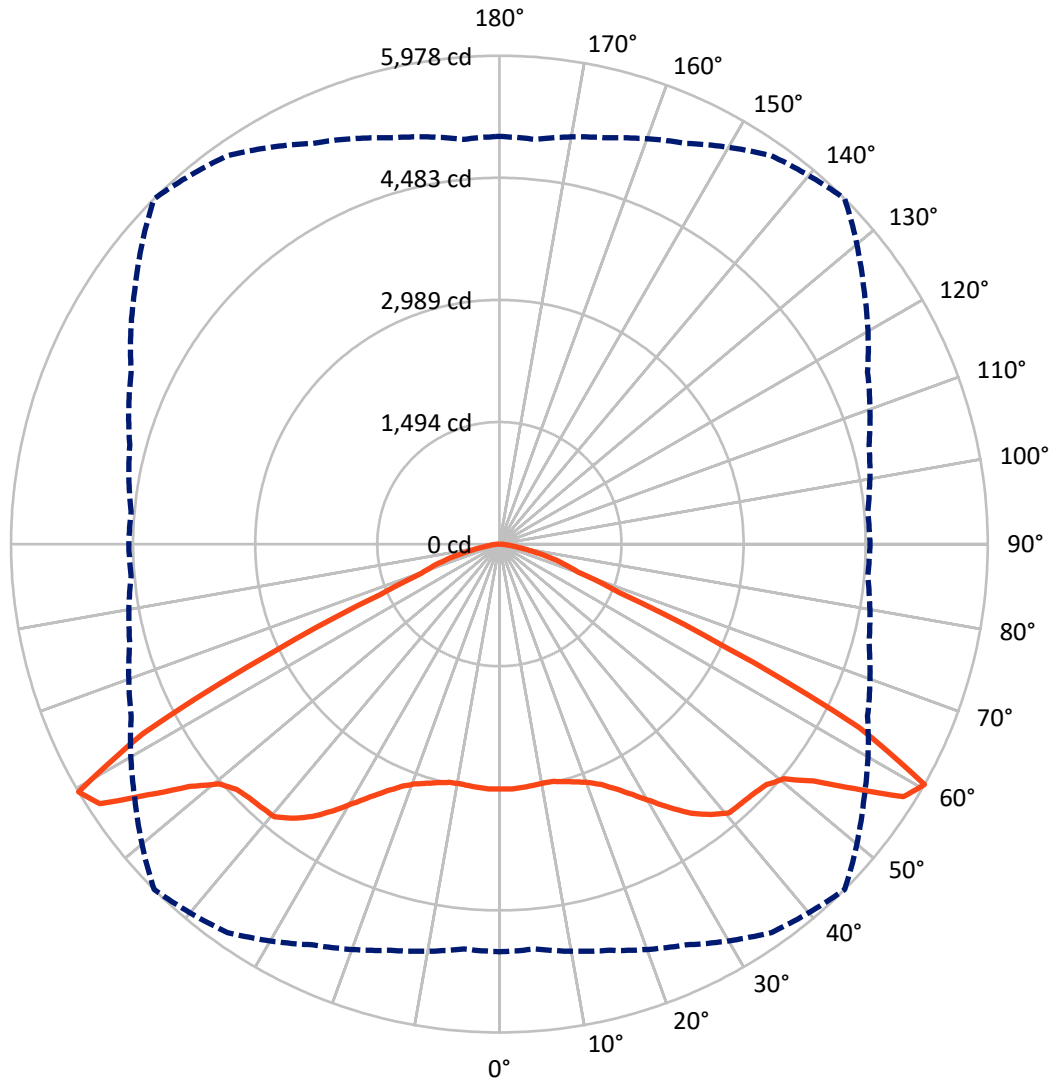
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Short - N/A

REPORT NUMBER: P636480
CATALOG NUMBER: GWS-SA3F-830-U-5WQ-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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CATALOG NUMBER: GWS-SA3F-830-U-5WQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8202.0	0.0	8202.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8202.0	0.0	8202.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16403.9	0.0	16403.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.3	1.7
10°-20°	855.1	5.2
20°-30°	1512.9	9.2
30°-40°	2435.7	14.8
40°-50°	3347.9	20.4
50°-60°	4461.4	27.2
60°-70°	2780.5	17.0
70°-80°	639.4	3.9
80°-90°	86.7	0.5
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°	16403.9	100.0
0°-180°	16403.9	100.0

Coefficient of Utilization



REPORT NUMBER: P636480

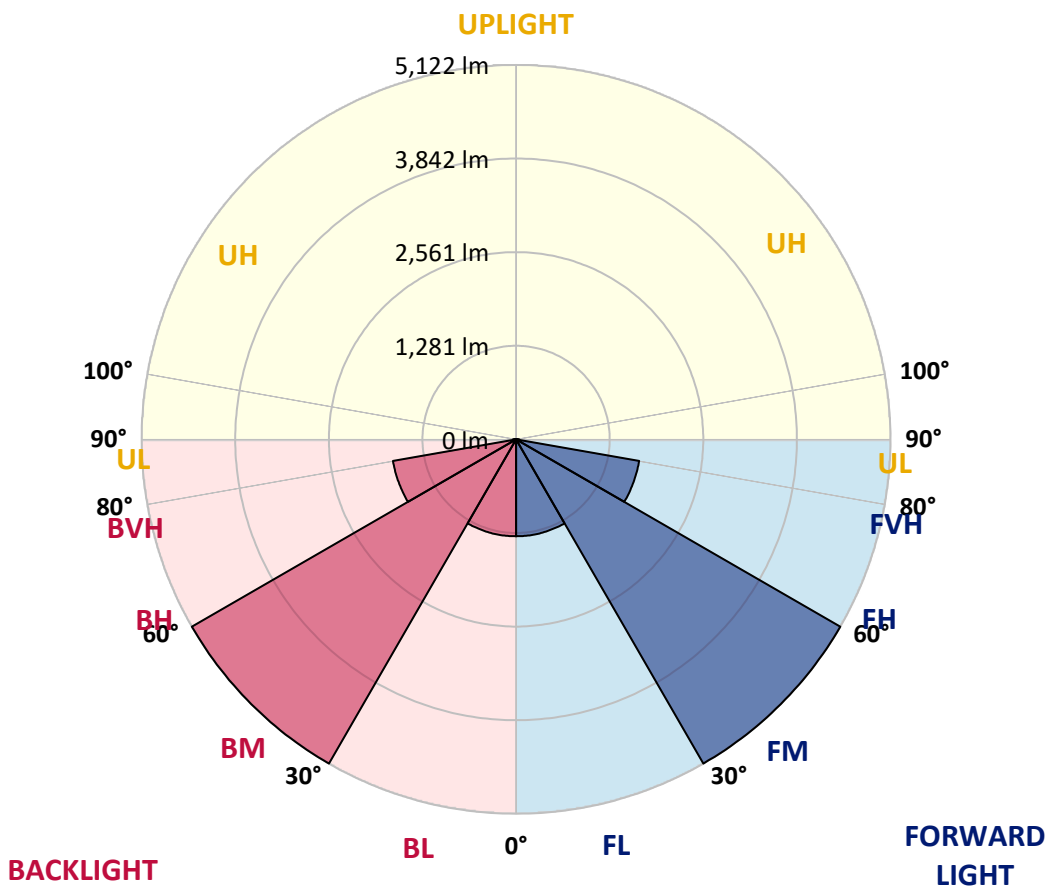
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1326.1	8.1			
FM (30°-60°)	5122.5	31.2			
FH (60°-80°)	1710.0	10.4			G1/1800
FVH (80°-90°)	43.4	0.3			G1/100
BL (0°-30°)	1326.1	8.1	B3/2500		
BM (30°-60°)	5122.5	31.2	B4/8500		
BH (60°-80°)	1710.0	10.4	B3/2500		G1/1800
BVH (80°-90°)	43.4	0.3			G1/100
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





REPORT NUMBER: P636480

CATALOG NUMBER: GWS-SA3F-830-U-5WQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2997.8	2997.8	2997.8	2997.8	2997.8	2997.8	2997.8	2997.8	2997.8	2997.8	2997.8
2.5°	2976.9	2979.7	2985.3	2989.4	2995.0	3000.6	3003.4	2997.8	2995.0	2983.9	2996.4
5°	2979.7	2982.5	2986.7	2986.7	2988.0	2992.2	2992.2	2985.3	2978.3	2965.8	2979.7
7.5°	2975.5	2978.3	2979.7	2978.3	2979.7	2981.1	2978.3	2969.9	2963.0	2951.8	2963.0
10°	2968.5	2971.3	2974.1	2971.3	2968.5	2972.7	2972.7	2967.2	2963.0	2951.8	2964.4
12.5°	2983.9	2988.0	2989.4	2982.5	2979.7	2981.1	2981.1	2975.5	2975.5	2965.8	2979.7
15°	3020.1	3022.9	3018.7	3010.3	3011.7	3015.9	3006.1	2992.2	2989.4	2985.3	2996.4
17.5°	3047.9	3050.7	3046.5	3041.0	3050.7	3060.4	3042.3	3015.9	3007.5	3004.8	3017.3
20°	3078.5	3082.7	3077.2	3084.1	3103.6	3114.7	3092.5	3056.3	3039.6	3035.4	3050.7
22.5°	3128.7	3134.2	3134.2	3149.6	3178.8	3196.9	3169.1	3120.3	3095.3	3088.3	3103.6
25°	3208.0	3212.2	3216.4	3247.0	3294.4	3319.4	3274.9	3208.0	3173.2	3162.1	3170.4
27.5°	3318.0	3325.0	3332.0	3376.5	3435.0	3471.2	3407.1	3323.6	3280.4	3258.2	3274.9
30°	3448.9	3458.7	3475.4	3525.5	3607.7	3648.0	3565.9	3464.2	3415.5	3391.8	3414.1
32.5°	3627.1	3628.5	3641.1	3696.8	3805.4	3851.3	3748.3	3635.5	3585.4	3557.5	3570.1
35°	3838.8	3840.2	3820.7	3877.8	3994.7	4046.2	3925.1	3810.9	3769.2	3760.8	3792.8
37.5°	4056.0	4043.5	4024.0	4049.0	4167.4	4200.8	4072.7	3975.2	3957.1	3972.5	4019.8
40°	4210.6	4189.7	4150.7	4168.8	4288.5	4327.5	4191.1	4099.2	4093.6	4131.2	4188.3
42.5°	4310.8	4288.5	4242.6	4242.6	4324.7	4341.4	4235.6	4186.9	4199.4	4242.6	4296.9
45°	4359.5	4347.0	4320.5	4306.6	4352.6	4359.5	4278.8	4259.3	4283.0	4303.8	4345.6
47.5°	4397.1	4397.1	4388.8	4374.9	4395.7	4399.9	4340.0	4334.5	4365.1	4365.1	4393.0
50°	4464.0	4470.9	4482.1	4479.3	4501.6	4515.5	4470.9	4462.6	4475.1	4434.7	4448.6
52.5°	4639.4	4657.5	4689.5	4714.6	4771.7	4814.8	4735.5	4668.6	4603.2	4514.1	4516.9
55°	4954.1	4962.4	5025.1	5098.9	5195.0	5282.7	5119.8	4912.3	4770.3	4665.9	4667.3
57.5°	5220.0	5232.6	5324.5	5479.0	5694.8	5831.3	5470.7	5124.0	4923.4	4795.3	4799.5
60°	4990.3	4973.6	5147.6	5412.2	5803.4	5977.5	5445.6	4972.2	4684.0	4525.2	4536.4
62.5°	3861.1	3829.0	4022.6	4299.7	4768.9	4942.9	4452.8	3998.9	3726.0	3602.1	3584.0
65°	2350.3	2321.1	2460.3	2630.2	2947.7	3057.7	2833.5	2592.6	2354.5	2279.3	2258.4
67.5°	1279.6	1275.4	1313.0	1396.6	1535.8	1587.3	1544.1	1430.0	1368.7	1315.8	1315.8
70°	1015.0	1006.7	999.7	1001.1	1013.7	1020.6	1022.0	1016.4	1023.4	1024.8	1019.2
72.5°	841.0	838.2	824.3	825.7	820.1	817.3	827.1	832.6	843.8	845.2	845.2
75°	609.9	602.9	609.9	611.3	605.7	605.7	612.6	611.3	616.8	619.6	604.3
77.5°	346.7	346.7	356.4	367.6	375.9	375.9	382.9	382.9	389.9	388.5	385.7
80°	190.8	190.8	196.3	203.3	211.6	220.0	227.0	228.3	232.5	231.1	227.0
82.5°	108.6	110.0	112.8	117.0	125.3	132.3	139.2	140.6	144.8	144.8	140.6
85°	51.5	50.1	51.5	54.3	58.5	64.0	71.0	75.2	78.0	78.0	75.2
87.5°	9.7	11.1	9.7	11.1	12.5	16.7	19.5	22.3	26.5	27.8	25.1
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)