

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: P637464

Luminaire Tested: GWS-SA4C-830-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637464
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-SA4C-830-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (64) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13501.9 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

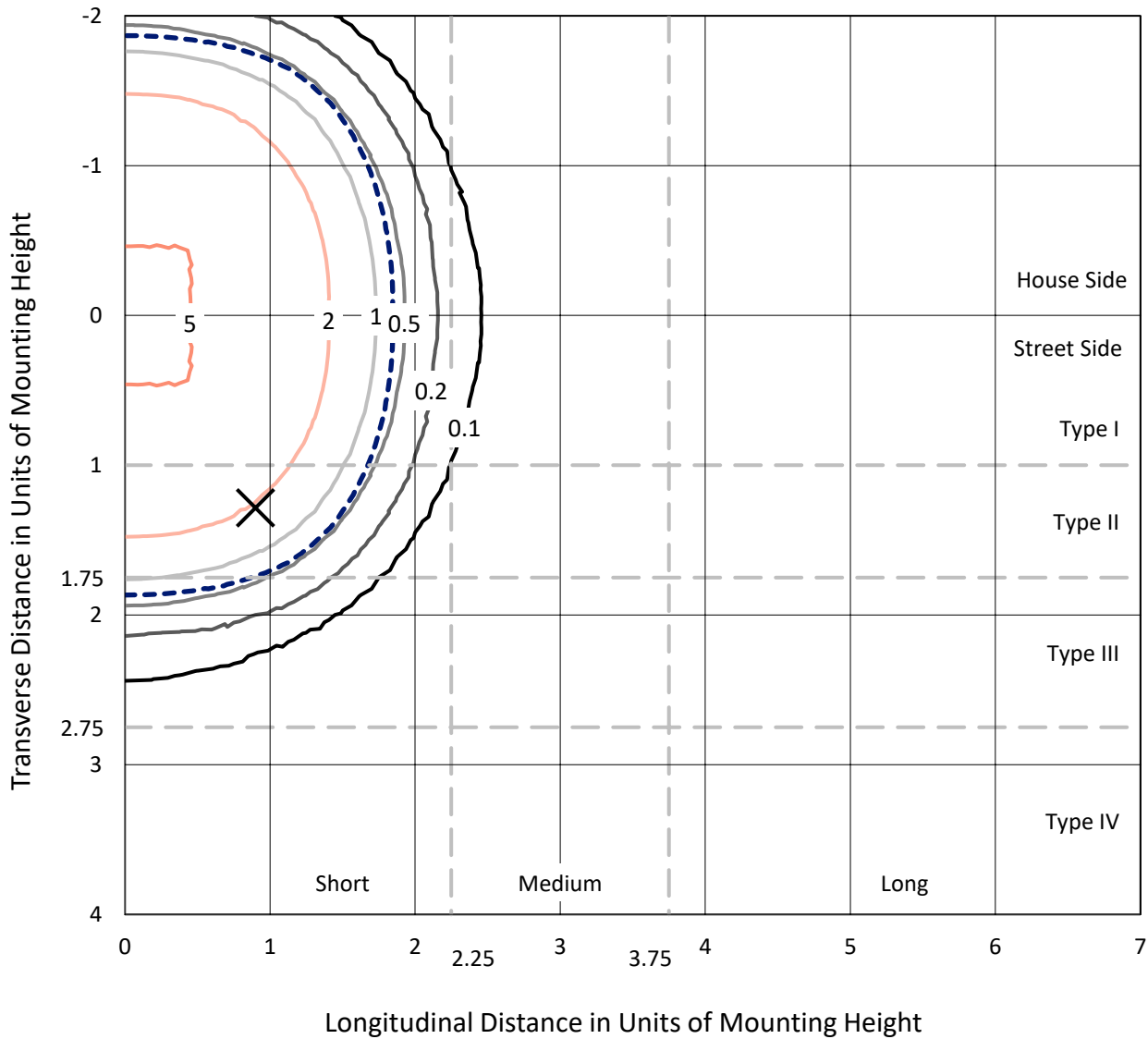
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637464
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Iso-Footcandle Lines of Horizontal Illumination

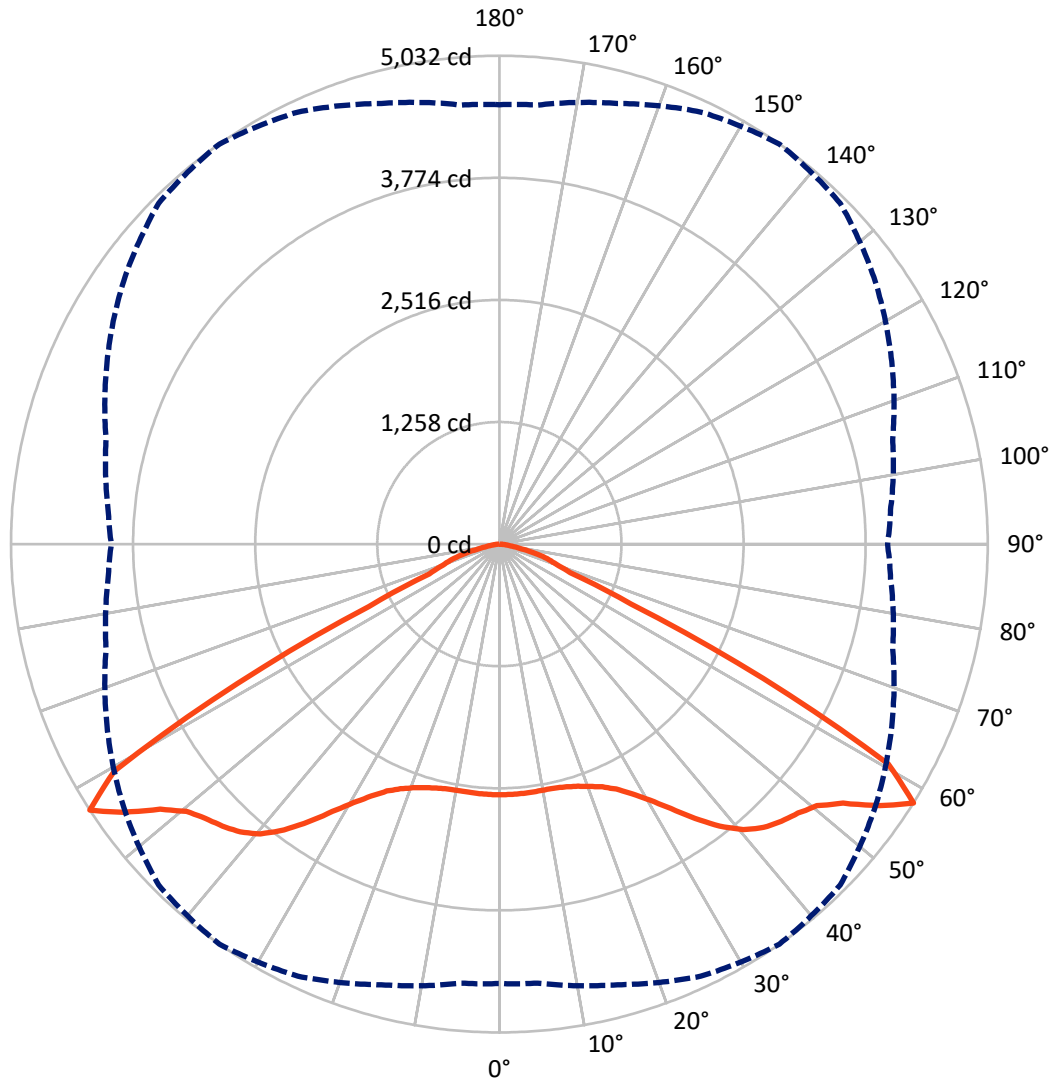
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.5 fc
 Type V - Short - N/A

REPORT NUMBER: P637464
CATALOG NUMBER: GWS-SA4C-830-U-5MQ-W-GRSWH

Luminous Intensity Polar Plot



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

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CATALOG NUMBER: GWS-SA4C-830-U-5MQ-W-GRSWH

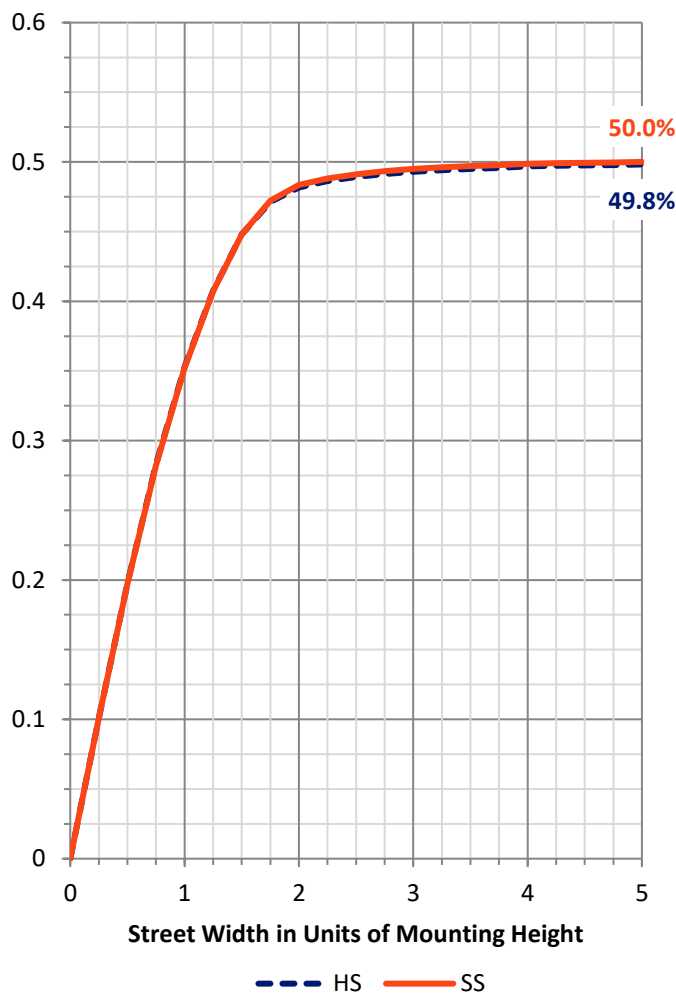
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6751.0	0.0	6751.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6751.0	0.0	6751.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13501.9	0.0	13501.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.8	1.8
10°-20°	733.3	5.4
20°-30°	1279.4	9.5
30°-40°	2097.9	15.5
40°-50°	3089.7	22.9
50°-60°	3943.1	29.2
60°-70°	1661.8	12.3
70°-80°	397.0	2.9
80°-90°	54.0	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°	13501.9	100.0
0°-180°	13501.9	100.0

Coefficient of Utilization



REPORT NUMBER: P637464

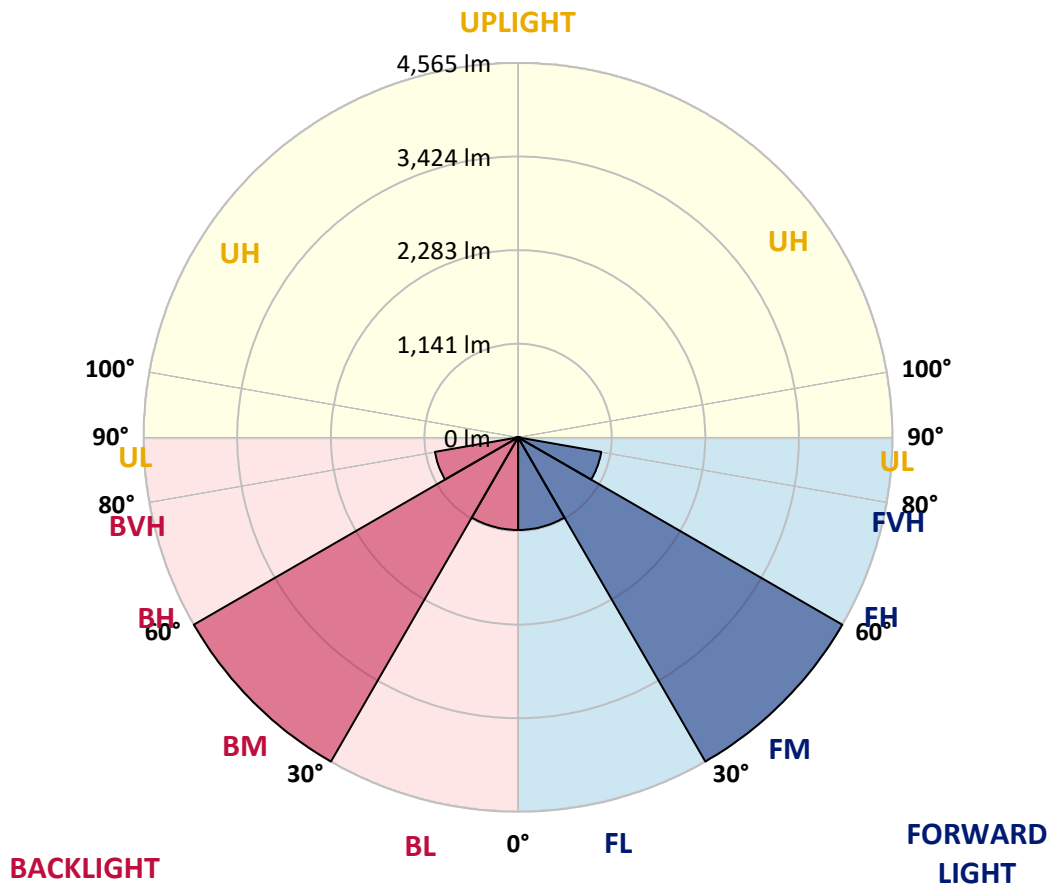
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1129.2	8.4			
FM (30°-60°)	4565.4	33.8			
FH (60°-80°)	1029.4	7.6			G1/1800
FVH (80°-90°)	27.0	0.2			G1/100
BL (0°-30°)	1129.2	8.4	B3/2500		
BM (30°-60°)	4565.4	33.8	B3/5000		
BH (60°-80°)	1029.4	7.6	B3/2500		G1/1800
BVH (80°-90°)	27.0	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





REPORT NUMBER: P637464

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2583.4	2583.4	2583.4	2583.4	2583.4	2583.4	2583.4	2583.4	2583.4	2583.4	2583.4
2.5°	2568.0	2568.0	2573.5	2579.0	2581.2	2591.2	2590.1	2586.8	2584.5	2577.9	2586.8
5°	2573.5	2573.5	2577.9	2581.2	2580.1	2587.9	2584.5	2579.0	2575.7	2569.1	2579.0
7.5°	2572.4	2572.4	2575.7	2579.0	2576.8	2583.4	2577.9	2570.2	2564.6	2558.0	2566.9
10°	2558.0	2560.2	2563.5	2571.3	2574.6	2584.5	2576.8	2564.6	2555.8	2548.1	2556.9
12.5°	2555.8	2558.0	2562.4	2572.4	2577.9	2592.3	2582.3	2562.4	2549.2	2539.2	2548.1
15°	2565.7	2568.0	2574.6	2586.8	2595.6	2611.1	2596.7	2569.1	2550.3	2537.0	2544.7
17.5°	2577.9	2581.2	2591.2	2608.9	2623.2	2639.8	2622.1	2589.0	2562.4	2544.7	2551.4
20°	2591.2	2595.6	2611.1	2637.6	2664.1	2685.1	2663.0	2618.8	2586.8	2563.5	2570.2
22.5°	2614.4	2619.9	2639.8	2677.4	2717.2	2748.1	2720.5	2660.8	2618.8	2589.0	2594.5
25°	2661.9	2668.6	2694.0	2739.3	2795.7	2833.3	2794.6	2727.1	2668.6	2632.1	2637.6
27.5°	2745.9	2749.3	2782.4	2842.1	2911.8	2954.9	2908.4	2828.8	2763.6	2721.6	2726.0
30°	2856.5	2866.4	2899.6	2978.1	3061.0	3118.5	3057.7	2963.7	2888.5	2837.7	2842.1
32.5°	2991.3	2998.0	3047.7	3129.5	3248.9	3315.2	3232.3	3120.7	3030.0	2968.1	2972.6
35°	3168.2	3173.7	3221.3	3325.2	3470.0	3531.9	3436.8	3308.6	3203.6	3145.0	3161.6
37.5°	3379.4	3389.3	3423.6	3526.4	3687.8	3748.6	3639.1	3519.7	3410.3	3356.1	3368.3
40°	3606.0	3604.9	3632.5	3723.2	3870.2	3907.8	3809.4	3714.3	3620.3	3585.0	3604.9
42.5°	3800.5	3795.0	3814.9	3890.1	3991.8	3995.1	3929.9	3876.8	3810.5	3786.2	3805.0
45°	3936.5	3938.7	3968.6	4020.5	4072.5	4044.8	4024.9	4016.1	3964.1	3931.0	3934.3
47.5°	4043.7	4052.6	4100.1	4135.5	4142.1	4095.7	4123.3	4136.6	4093.5	4042.6	4028.3
50°	4138.8	4153.2	4215.1	4252.7	4238.3	4179.7	4233.9	4253.8	4158.7	4061.4	4032.7
52.5°	4311.3	4327.8	4403.0	4451.6	4435.1	4376.5	4427.3	4356.6	4196.3	4076.9	4040.4
55°	4586.5	4594.2	4686.0	4765.6	4757.9	4686.0	4645.1	4488.1	4293.6	4169.8	4135.5
57.5°	4527.9	4541.2	4700.4	4912.6	5032.0	4966.8	4726.9	4459.4	4195.2	4045.9	3999.5
60°	3562.9	3594.9	3792.8	4166.4	4604.2	4603.1	4157.6	3741.9	3423.6	3225.7	3205.8
62.5°	2080.5	2102.6	2282.8	2660.8	3053.2	3077.6	2764.7	2479.5	2200.9	2067.2	2003.1
65°	985.0	983.8	1055.7	1225.9	1491.3	1512.3	1418.3	1262.4	1097.7	1052.4	1040.2
67.5°	727.4	727.4	721.9	734.0	784.9	795.9	784.9	759.4	744.0	753.9	747.3
70°	631.2	632.3	625.7	622.4	622.4	619.1	623.5	633.4	640.1	653.3	646.7
72.5°	511.8	512.9	512.9	514.0	515.1	510.7	517.4	522.9	524.0	528.4	524.0
75°	363.7	365.9	372.5	378.1	382.5	382.5	384.7	385.8	381.4	386.9	378.1
77.5°	200.1	202.3	214.5	224.4	234.4	235.5	238.8	241.0	238.8	243.2	236.6
80°	110.5	112.8	118.3	122.7	130.4	137.1	141.5	143.7	143.7	147.0	143.7
82.5°	63.0	65.2	68.5	70.7	77.4	82.9	87.3	90.6	90.6	91.8	89.5
85°	29.8	29.8	32.1	34.3	37.6	39.8	45.3	48.6	48.6	50.9	48.6
87.5°	4.4	5.5	6.6	6.6	8.8	11.1	13.3	14.4	16.6	17.7	17.7
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)