

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: P642416

Luminaire Tested: GWS-SA6C-830-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642416
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-SA6C-830-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15872.5 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

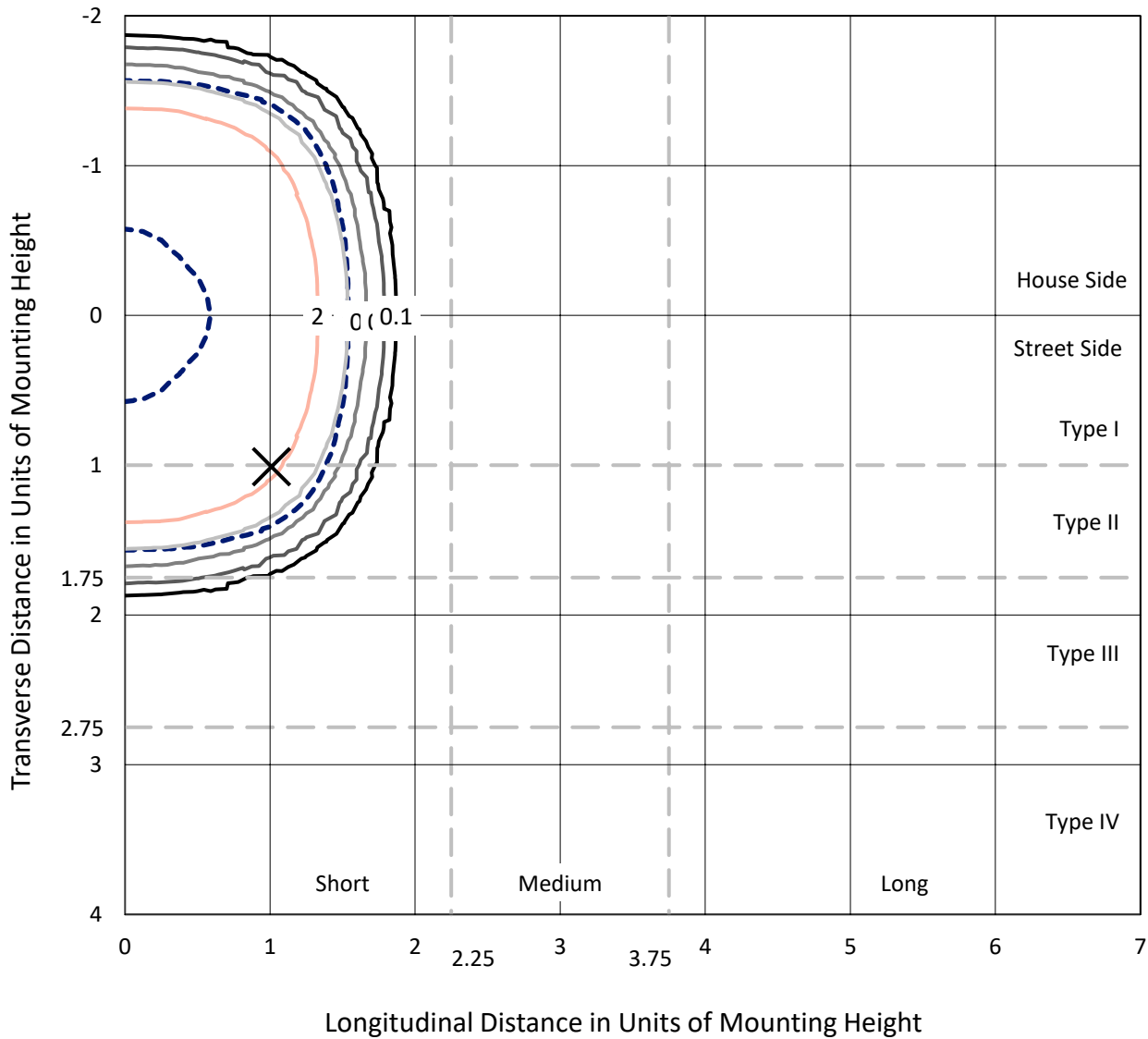
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642416
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Iso-Footcandle Lines of Horizontal Illumination

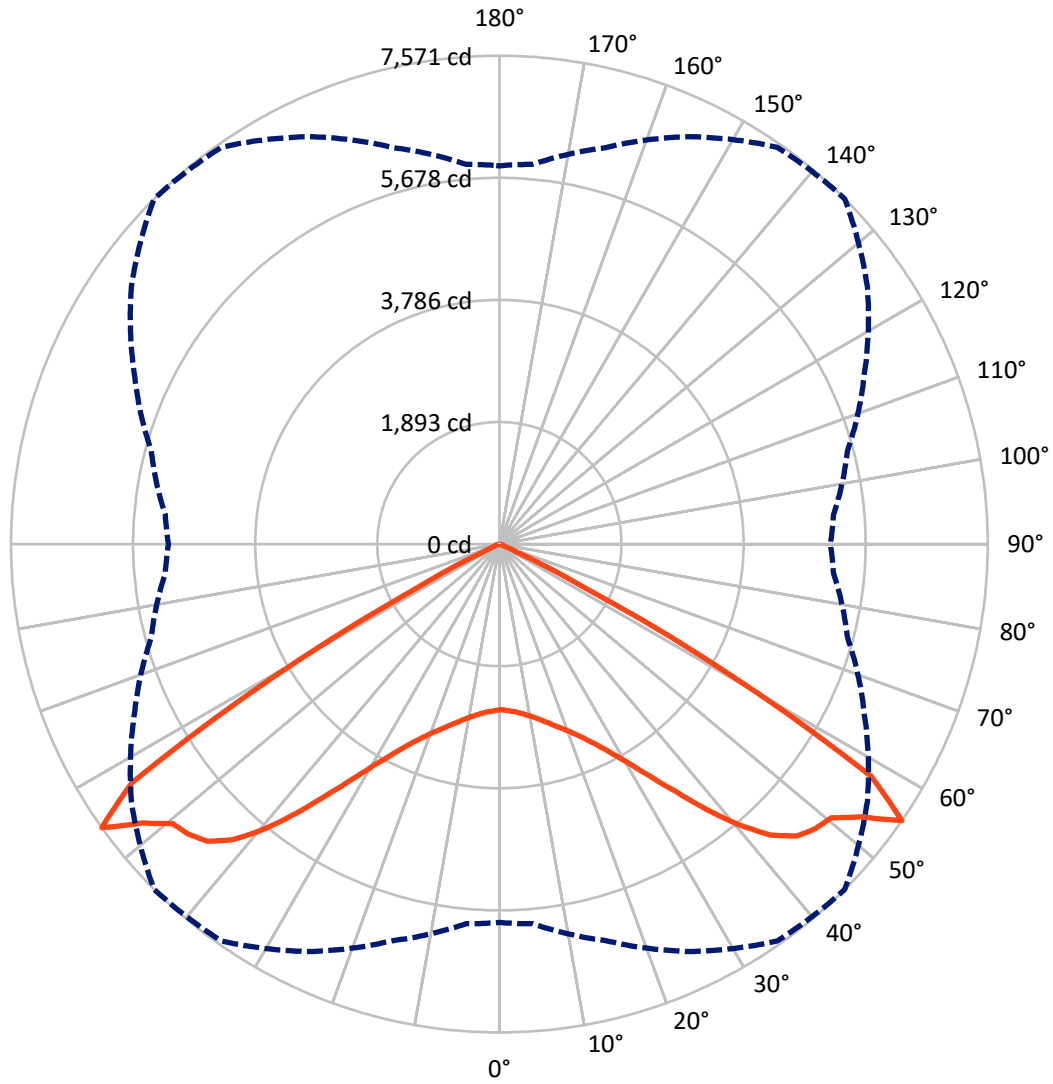
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - N/A

REPORT NUMBER: P642416
CATALOG NUMBER: GWS-SA6C-830-U-5NQ-W-GRSBK

Luminous Intensity Polar Plot



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

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CATALOG NUMBER: GWS-SA6C-830-U-5NQ-W-GRSBK

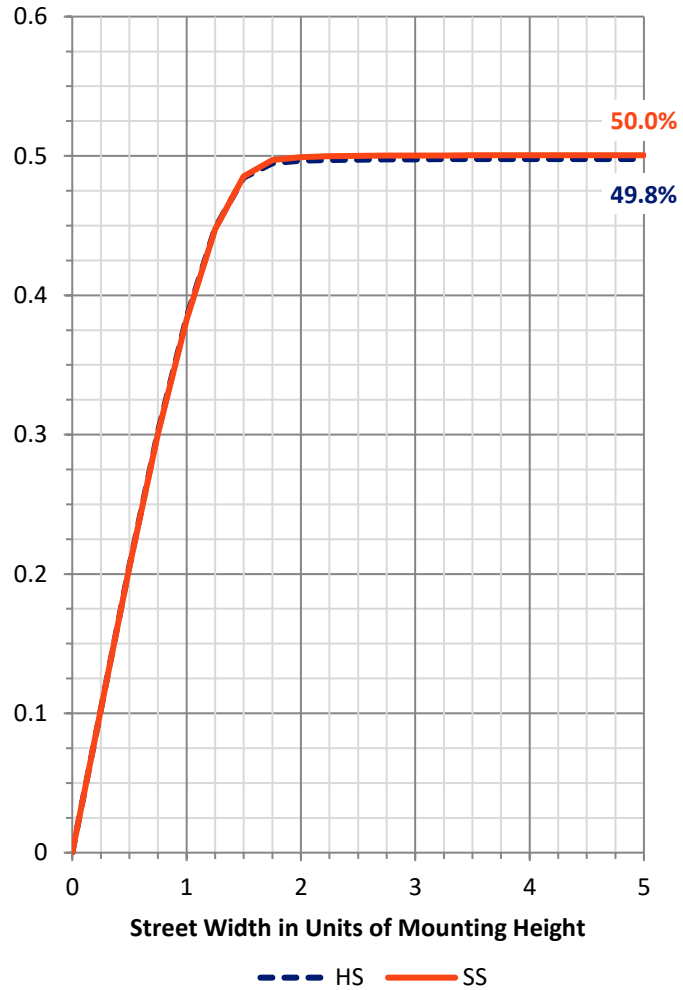
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7936.3	0.0	7936.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7936.3	0.0	7936.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	15872.5	0.0	15872.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.4	1.6
10°-20°	815.0	5.1
20°-30°	1578.5	9.9
30°-40°	2827.9	17.8
40°-50°	4741.1	29.9
50°-60°	5075.2	32.0
60°-70°	557.7	3.5
70°-80°	24.6	0.2
80°-90°	1.1	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°	15872.5	100.0
0°-180°	15872.5	100.0

Coefficient of Utilization



REPORT NUMBER: P642416

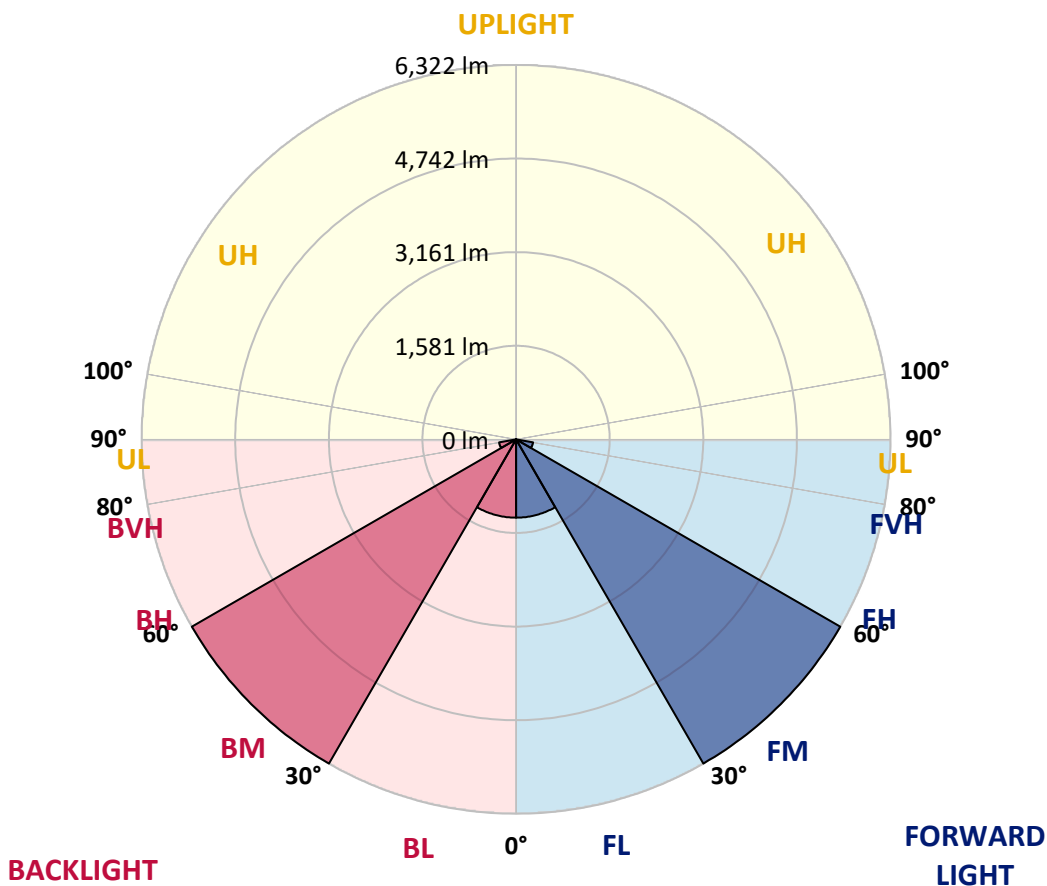
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1322.5	8.3			
FM (30°-60°)	6322.1	39.8			
FH (60°-80°)	291.1	1.8			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1322.5	8.3	B3/2500		
BM (30°-60°)	6322.1	39.8	B4/8500		
BH (60°-80°)	291.1	1.8	B1/500		G0/660
BVH (80°-90°)	0.6	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°	2566.3	2566.3	2566.3	2566.3	2566.3	2566.3	2566.3	2566.3	2566.3	2566.3	2566.3
2.5°	2561.4	2561.4	2567.9	2572.7	2572.7	2585.7	2580.8	2576.0	2576.0	2569.5	2582.4
5°	2598.6	2597.0	2603.5	2606.7	2600.2	2613.2	2605.1	2600.2	2597.0	2590.5	2603.5
7.5°	2639.0	2640.7	2642.3	2648.7	2645.5	2658.4	2652.0	2642.3	2639.0	2629.3	2642.3
10°	2687.6	2687.6	2690.8	2698.9	2700.5	2716.7	2710.2	2698.9	2689.2	2679.5	2692.4
12.5°	2749.0	2750.6	2755.5	2766.8	2773.3	2791.0	2781.3	2758.7	2744.2	2732.8	2747.4
15°	2837.9	2836.3	2842.8	2859.0	2867.1	2880.0	2865.4	2834.7	2816.9	2804.0	2813.7
17.5°	2935.0	2935.0	2938.2	2954.4	2965.7	2985.1	2967.3	2930.1	2913.9	2896.2	2905.9
20°	3041.7	3046.5	3049.8	3061.1	3080.5	3099.9	3085.4	3048.2	3030.4	3007.7	3019.1
22.5°	3182.4	3177.5	3179.1	3198.5	3226.0	3245.4	3234.1	3190.5	3159.7	3142.0	3148.4
25°	3339.2	3337.6	3342.5	3371.6	3402.3	3423.3	3407.1	3350.6	3319.8	3289.1	3302.0
27.5°	3531.7	3533.3	3536.5	3572.1	3620.6	3651.3	3610.9	3554.3	3512.3	3471.8	3481.5
30°	3759.7	3756.4	3766.1	3814.6	3885.8	3934.3	3887.4	3808.2	3748.3	3709.5	3714.4
32.5°	4002.2	4005.5	4031.3	4109.0	4202.7	4288.4	4193.0	4087.9	4010.3	3937.5	3947.2
35°	4264.2	4272.3	4330.5	4445.3	4598.9	4713.7	4581.1	4408.1	4298.2	4204.4	4207.6
37.5°	4573.1	4592.5	4673.3	4844.7	5064.6	5218.3	5024.2	4794.6	4652.3	4535.9	4527.8
40°	4978.9	5001.6	5111.5	5315.3	5582.1	5722.8	5498.0	5261.9	5085.7	4959.5	4940.1
42.5°	5444.6	5473.8	5593.4	5802.0	6068.8	6164.2	5944.3	5745.4	5586.9	5438.2	5431.7
45°	5970.2	5986.4	6083.4	6243.5	6435.9	6458.5	6293.6	6183.6	6023.6	5884.5	5873.2
47.5°	6463.4	6479.6	6545.9	6628.3	6673.6	6592.8	6563.7	6515.1	6308.2	6136.8	6101.2
50°	6838.6	6851.5	6934.0	6966.3	6840.2	6668.8	6725.4	6621.9	6397.1	6204.7	6149.7
52.5°	6812.7	6845.0	7056.9	7241.2	7162.0	7022.9	6870.9	6647.7	6298.5	6034.9	5967.0
55°	5865.1	5908.7	6363.1	6969.5	7511.3	7571.1	6963.1	6243.5	5586.9	5200.5	5130.9
57.5°	3769.4	3780.7	4335.3	5185.9	6406.8	6791.7	5774.5	4707.3	3890.7	3465.4	3436.3
60°	1385.8	1363.2	1782.0	2487.0	3690.1	4097.6	3399.1	2380.3	1697.9	1397.1	1372.9
62.5°	333.1	336.3	417.2	625.8	1157.8	1432.7	1131.9	632.3	402.6	338.0	334.7
65°	168.2	164.9	166.6	179.5	247.4	295.9	242.6	171.4	164.9	166.6	164.9
67.5°	108.3	106.7	110.0	111.6	110.0	103.5	101.9	105.1	105.1	106.7	103.5
70°	66.3	64.7	67.9	72.8	69.5	61.4	64.7	67.9	64.7	63.1	63.1
72.5°	35.6	35.6	38.8	42.0	38.8	35.6	35.6	37.2	35.6	35.6	35.6
75°	16.2	16.2	17.8	19.4	16.2	16.2	16.2	16.2	16.2	16.2	16.2
77.5°	4.9	4.9	6.5	6.5	4.9	4.9	4.9	4.9	6.5	6.5	6.5
80°	1.6	3.2	3.2	1.6	1.6	1.6	1.6	1.6	3.2	3.2	3.2
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
85°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
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)