

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: P639942

Luminaire Tested: GWS-SA5C-830-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639942  
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-SA5C-830-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (80) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

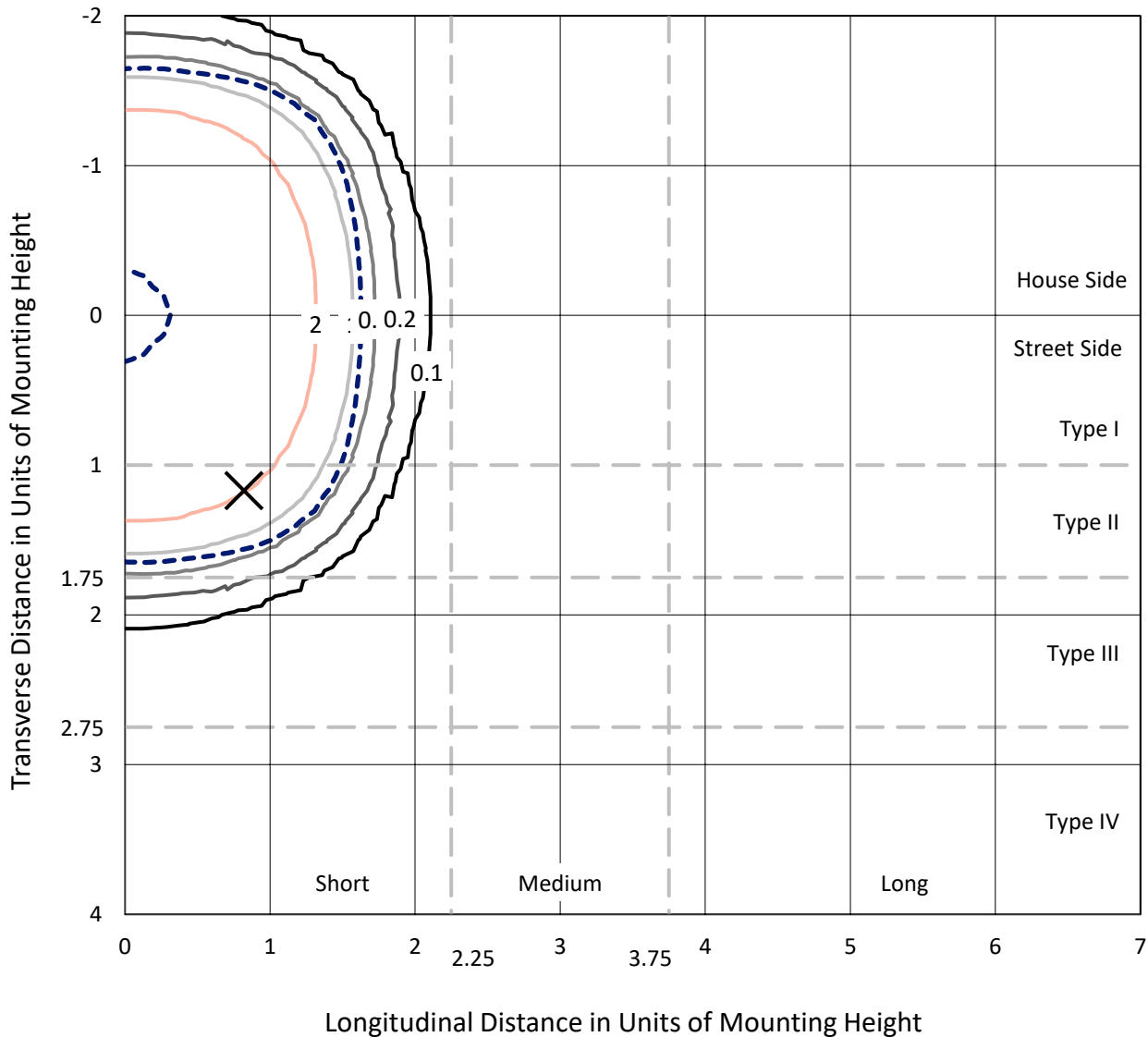
Lumens per Lamp: N/A  
Luminaire Lumens: 17148.7 lumens  
Efficiency: N/A  
Efficacy: 108.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 157.5  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

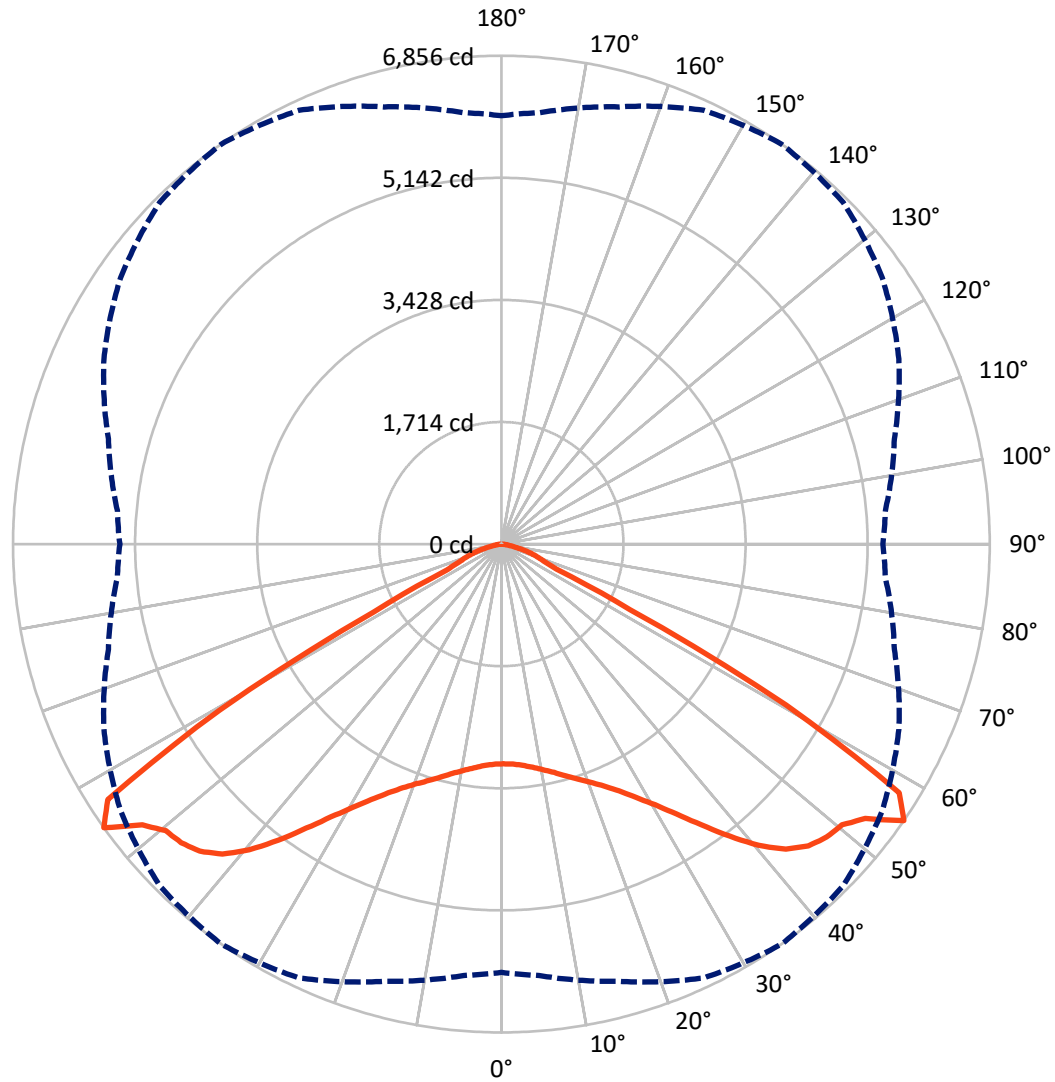
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8574.4	0.0	8574.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8574.4	0.0	8574.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17148.7	0.0	17148.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	300.9	1.8
10°-20°	958.0	5.6
20°-30°	1773.1	10.3
30°-40°	2966.1	17.3
40°-50°	4519.9	26.4
50°-60°	5063.2	29.5
60°-70°	1198.0	7.0
70°-80°	323.0	1.9
80°-90°	46.5	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°	17148.7	100.0
0°-180°	17148.7	100.0

**Coefficient of Utilization**



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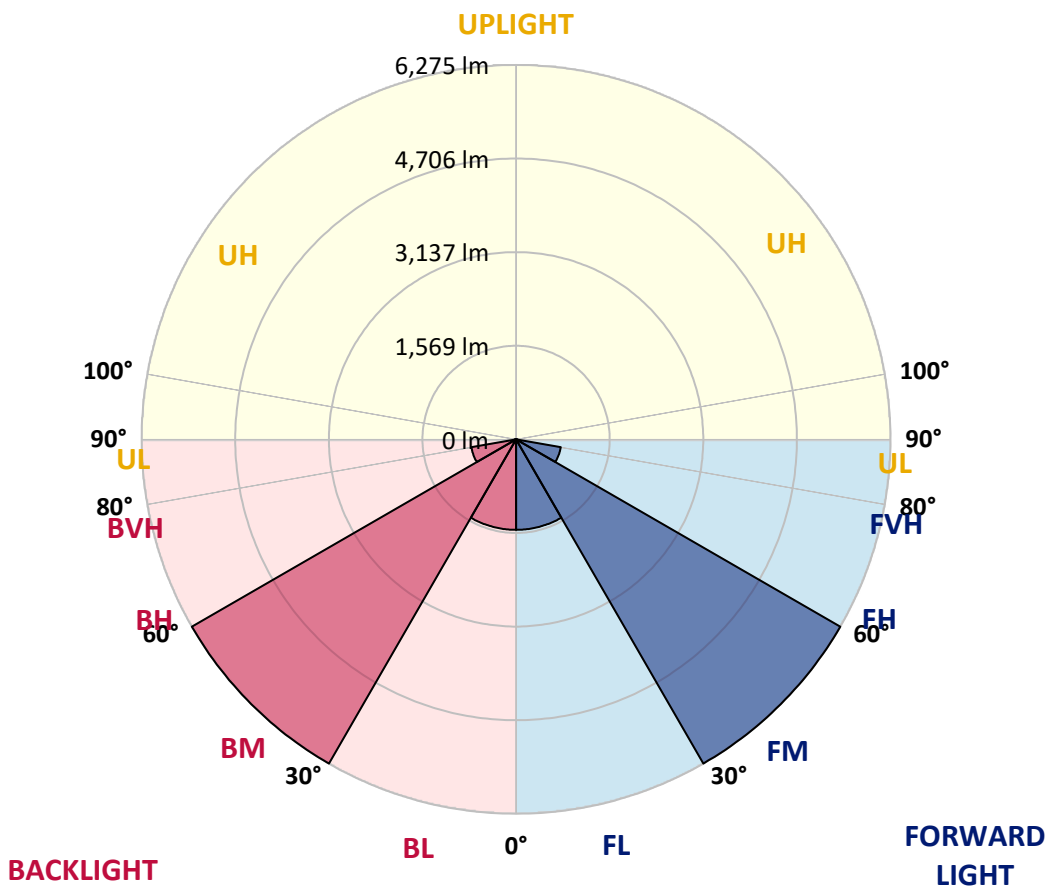
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1516.0	8.8			
FM (30°-60°)	6274.6	36.6			
FH (60°-80°)	760.5	4.4			G1/1800
FVH (80°-90°)	23.2	0.1			G1/100
BL (0°-30°)	1516.0	8.8	B3/2500		
BM (30°-60°)	6274.6	36.6	B4/8500		
BH (60°-80°)	760.5	4.4	B2/1000		G1/1800
BVH (80°-90°)	23.2	0.1			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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3085.1	3085.1	3085.1	3085.1	3085.1	3085.1	3085.1	3085.1	3085.1	3085.1	3085.1
2.5°	3078.3	3078.3	3083.7	3090.5	3091.9	3105.4	3102.7	3097.3	3094.6	3089.2	3101.4
5°	3112.2	3113.6	3117.6	3121.7	3119.0	3129.8	3125.8	3119.0	3114.9	3108.2	3120.4
7.5°	3157.0	3157.0	3161.0	3166.5	3163.8	3180.0	3171.9	3162.4	3155.6	3147.5	3158.3
10°	3197.7	3200.4	3204.4	3215.3	3220.7	3238.3	3232.9	3219.3	3208.5	3199.0	3211.2
12.5°	3258.7	3261.4	3265.5	3280.4	3289.9	3307.5	3299.4	3280.4	3264.1	3250.5	3264.1
15°	3337.3	3334.6	3345.5	3364.5	3376.7	3392.9	3383.4	3350.9	3329.2	3311.6	3325.1
17.5°	3417.3	3416.0	3426.8	3451.2	3468.9	3490.6	3474.3	3436.3	3413.3	3391.6	3405.1
20°	3504.1	3508.2	3519.0	3542.1	3567.9	3596.3	3582.8	3542.1	3516.3	3491.9	3502.8
22.5°	3611.3	3612.6	3624.8	3654.7	3688.6	3715.7	3707.5	3657.4	3624.8	3599.1	3612.6
25°	3740.1	3738.7	3755.0	3790.3	3837.7	3864.8	3847.2	3791.6	3756.4	3726.5	3737.4
27.5°	3887.9	3886.5	3911.0	3957.1	4024.9	4062.8	4026.2	3957.1	3908.2	3866.2	3875.7
30°	4073.7	4069.6	4096.7	4159.1	4247.3	4311.0	4256.8	4160.5	4096.7	4052.0	4061.5
32.5°	4279.8	4285.2	4319.1	4403.2	4514.4	4597.1	4515.8	4408.6	4323.2	4258.1	4269.0
35°	4506.3	4506.3	4575.4	4679.9	4838.5	4948.4	4822.2	4667.7	4553.7	4464.2	4466.9
37.5°	4758.5	4761.2	4852.1	4995.8	5203.3	5332.1	5161.3	4970.1	4831.7	4735.5	4730.0
40°	5066.3	5074.5	5168.0	5328.1	5561.3	5679.3	5496.2	5309.1	5168.0	5054.1	5043.3
42.5°	5413.5	5416.2	5515.2	5658.9	5855.6	5926.1	5782.4	5629.1	5513.8	5410.8	5399.9
45°	5744.4	5737.6	5823.0	5930.2	6044.1	6050.9	5970.8	5908.5	5808.1	5720.0	5703.7
47.5°	6002.0	5996.6	6073.9	6132.2	6145.8	6079.3	6105.1	6114.6	5998.0	5878.6	5847.4
50°	6159.3	6170.2	6243.4	6276.0	6196.0	6087.5	6185.1	6160.7	5993.9	5838.0	5787.8
52.5°	6254.3	6270.5	6398.0	6480.7	6398.0	6295.0	6308.5	6164.8	5924.7	5718.6	5653.5
55°	6014.2	6079.3	6354.6	6720.8	6856.4	6784.5	6526.8	6156.6	5711.8	5412.1	5356.5
57.5°	4457.5	4560.5	4968.7	5762.0	6586.5	6848.2	6095.6	5161.3	4487.3	4102.2	4069.6
60°	2275.5	2390.8	2717.6	3532.6	4593.1	4961.9	4245.9	3304.8	2626.7	2314.8	2279.6
62.5°	928.9	947.9	1055.0	1369.6	2030.1	2342.0	2057.2	1444.2	1084.9	999.4	1000.8
65°	730.9	735.0	729.6	748.6	850.3	943.8	872.0	766.2	747.2	756.7	749.9
67.5°	637.4	638.7	634.6	634.6	638.7	634.6	642.8	646.9	649.6	660.4	653.6
70°	532.9	534.3	534.3	537.0	535.7	528.9	541.1	546.5	547.9	554.6	550.6
72.5°	412.3	416.3	419.0	420.4	419.0	415.0	421.7	431.2	429.9	436.7	429.9
75°	279.4	284.8	287.5	292.9	291.6	291.6	299.7	303.8	299.7	305.1	299.7
77.5°	158.7	162.7	170.9	176.3	181.7	185.8	191.2	193.9	192.6	195.3	192.6
80°	92.2	93.6	100.4	103.1	109.8	116.6	122.0	124.8	126.1	127.5	126.1
82.5°	52.9	54.2	57.0	59.7	65.1	70.5	75.9	80.0	80.0	81.4	80.0
85°	25.8	25.8	27.1	28.5	31.2	35.3	39.3	43.4	44.8	44.8	44.8
87.5°	4.1	4.1	5.4	5.4	6.8	8.1	10.8	13.6	14.9	14.9	14.9
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)