

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: P639337

Luminaire Tested: GWS-SA5B-760-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639337
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-SA5B-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16239.8 lumens
Efficiency: N/A
Efficacy: 140.4 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): 115.7
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

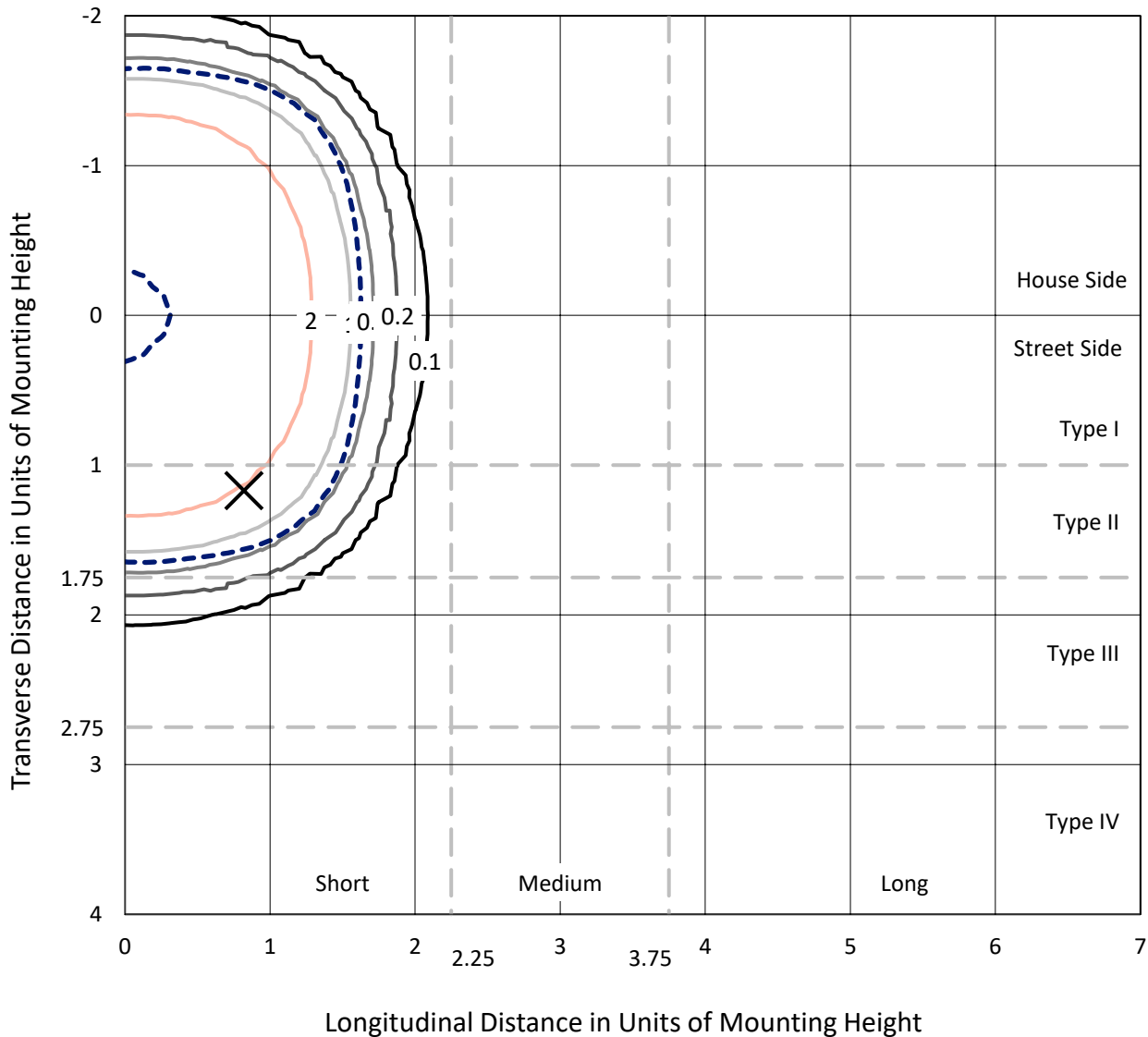


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Iso-Footcandle Lines of Horizontal Illumination

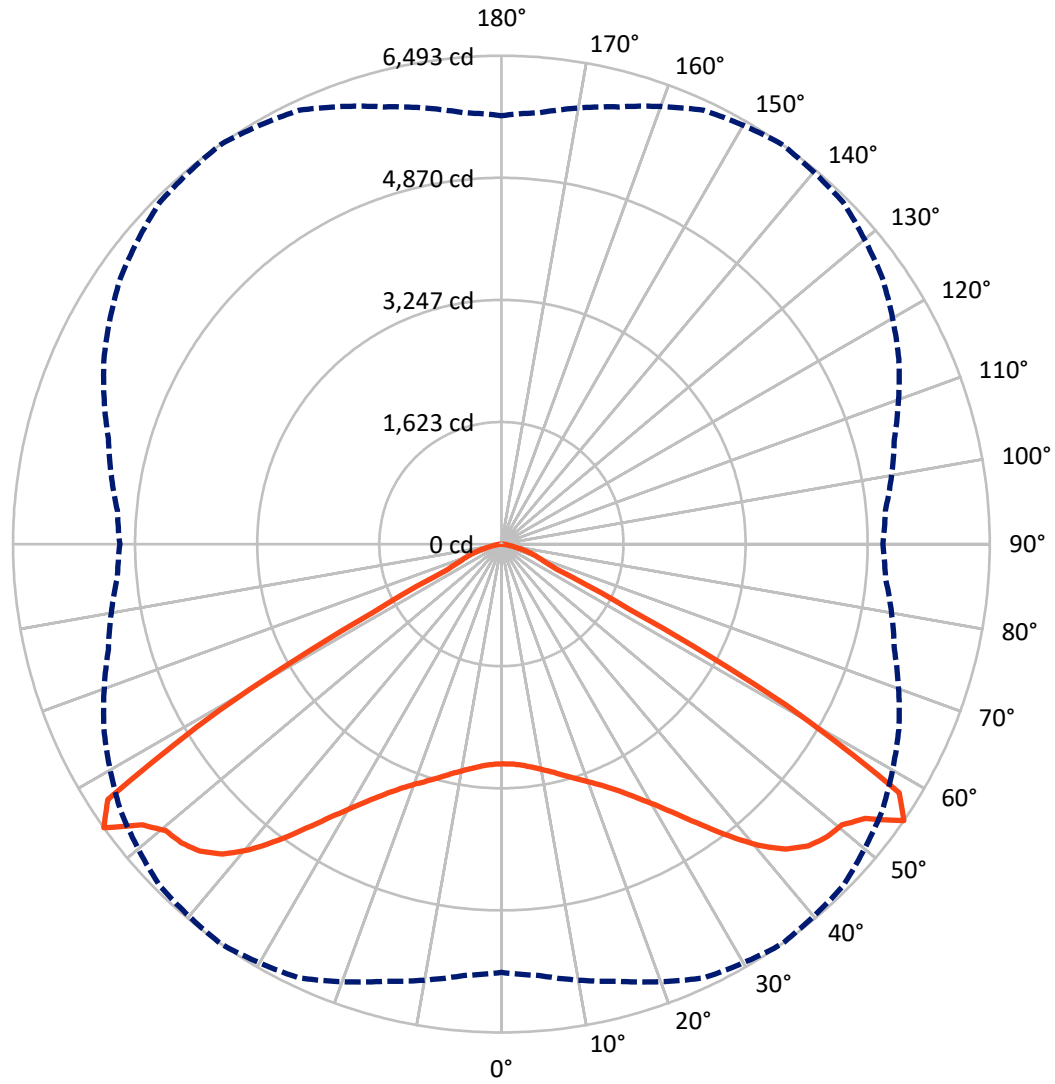
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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
House Side	Lumens	8119.9	0.0	8119.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8119.9	0.0	8119.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	16239.8	0.0	16239.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.0	1.8
10°-20°	907.3	5.6
20°-30°	1679.2	10.3
30°-40°	2808.9	17.3
40°-50°	4280.3	26.4
50°-60°	4794.8	29.5
60°-70°	1134.5	7.0
70°-80°	305.9	1.9
80°-90°	44.0	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°	16239.8	100.0
0°-180°	16239.8	100.0

Coefficient of Utilization



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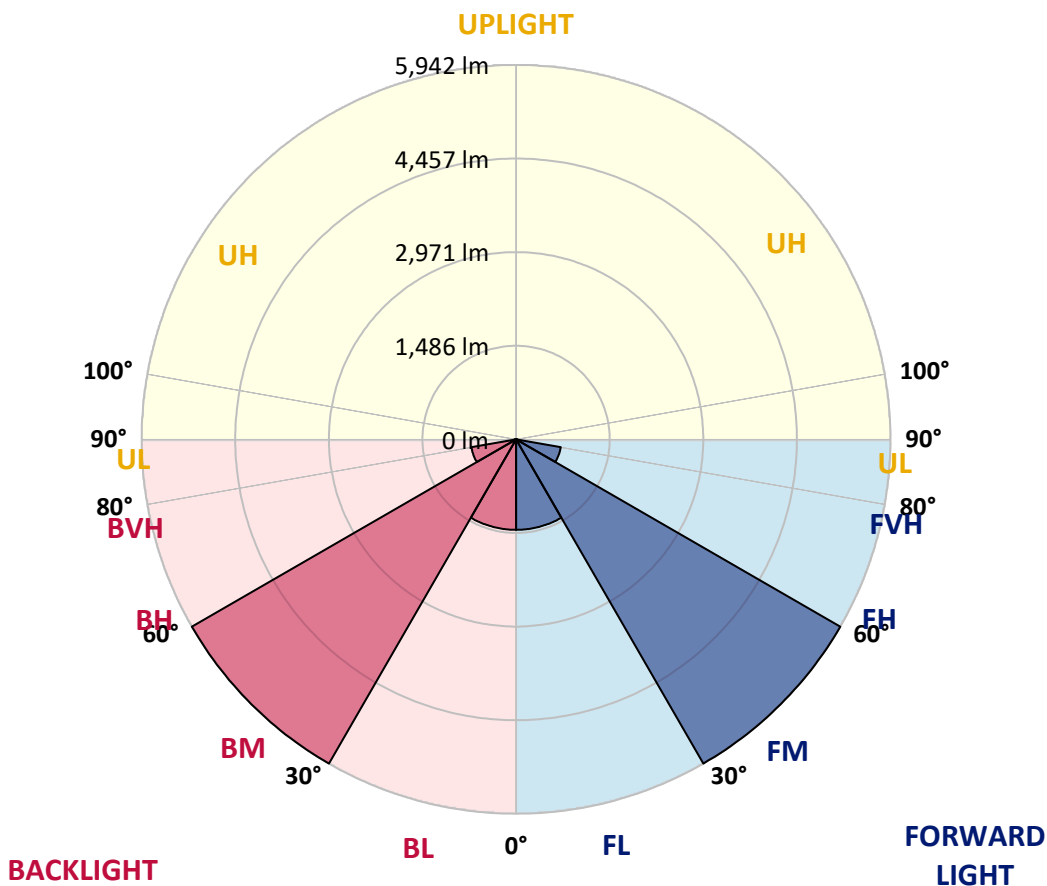
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1435.7	8.8			
FM (30°-60°)	5942.0	36.6			
FH (60°-80°)	720.2	4.4			G1/1800
FVH (80°-90°)	22.0	0.1			G1/100
BL (0°-30°)	1435.7	8.8	B3/2500		
BM (30°-60°)	5942.0	36.6	B4/8500		
BH (60°-80°)	720.2	4.4	B2/1000		G1/1800
BVH (80°-90°)	22.0	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°	2921.6	2921.6	2921.6	2921.6	2921.6	2921.6	2921.6	2921.6	2921.6	2921.6	2921.6
2.5°	2915.2	2915.2	2920.3	2926.7	2928.0	2940.8	2938.3	2933.1	2930.6	2925.4	2937.0
5°	2947.3	2948.6	2952.4	2956.3	2953.7	2964.0	2960.1	2953.7	2949.8	2943.4	2955.0
7.5°	2989.6	2989.6	2993.5	2998.6	2996.1	3011.5	3003.8	2994.8	2988.4	2980.7	2990.9
10°	3028.2	3030.7	3034.6	3044.9	3050.0	3066.7	3061.6	3048.7	3038.4	3029.5	3041.0
12.5°	3086.0	3088.5	3092.4	3106.5	3115.5	3132.2	3124.5	3106.5	3091.1	3078.3	3091.1
15°	3160.4	3157.9	3168.2	3186.1	3197.7	3213.1	3204.1	3173.3	3152.7	3136.0	3148.9
17.5°	3236.2	3234.9	3245.2	3268.3	3285.0	3305.6	3290.2	3254.2	3232.4	3211.8	3224.7
20°	3318.4	3322.3	3332.5	3354.4	3378.8	3405.7	3392.9	3354.4	3330.0	3306.8	3317.1
22.5°	3419.9	3421.1	3432.7	3461.0	3493.1	3518.7	3511.0	3463.5	3432.7	3408.3	3421.1
25°	3541.9	3540.6	3556.0	3589.4	3634.3	3660.0	3643.3	3590.7	3557.3	3529.0	3539.3
27.5°	3681.8	3680.6	3703.7	3747.3	3811.5	3847.5	3812.8	3747.3	3701.1	3661.3	3670.3
30°	3857.8	3853.9	3879.6	3938.7	4022.2	4082.5	4031.1	3940.0	3879.6	3837.2	3846.2
32.5°	4053.0	4058.1	4090.2	4169.8	4275.1	4353.5	4276.4	4175.0	4094.1	4032.4	4042.7
35°	4267.4	4267.4	4332.9	4431.8	4582.1	4686.1	4566.7	4420.3	4312.4	4227.6	4230.2
37.5°	4506.3	4508.9	4594.9	4731.0	4927.5	5049.5	4887.7	4706.6	4575.6	4484.5	4479.3
40°	4797.8	4805.5	4894.1	5045.7	5266.6	5378.3	5204.9	5027.7	4894.1	4786.3	4776.0
42.5°	5126.6	5129.1	5222.9	5359.0	5545.2	5612.0	5475.9	5330.8	5221.6	5124.0	5113.7
45°	5439.9	5433.5	5514.4	5615.9	5723.7	5730.2	5654.4	5595.3	5500.3	5416.8	5401.4
47.5°	5683.9	5678.8	5752.0	5807.2	5820.1	5757.1	5781.5	5790.5	5680.1	5567.1	5537.5
50°	5832.9	5843.2	5912.5	5943.3	5867.6	5764.8	5857.3	5834.2	5676.2	5528.5	5481.0
52.5°	5922.8	5938.2	6058.9	6137.3	6058.9	5961.3	5974.2	5838.0	5610.7	5415.5	5353.9
55°	5695.5	5757.1	6017.8	6364.6	6493.0	6424.9	6180.9	5830.3	5409.1	5125.3	5072.6
57.5°	4221.2	4318.8	4705.4	5456.6	6237.4	6485.3	5772.5	4887.7	4249.5	3884.7	3853.9
60°	2154.9	2264.1	2573.6	3345.4	4349.6	4698.9	4020.9	3129.6	2487.5	2192.2	2158.8
62.5°	879.7	897.7	999.1	1297.1	1922.5	2217.8	1948.2	1367.7	1027.4	946.5	947.7
65°	692.2	696.0	690.9	708.9	805.2	893.8	825.7	725.6	707.6	716.6	710.2
67.5°	603.6	604.9	601.0	601.0	604.9	601.0	608.7	612.6	615.1	625.4	619.0
70°	504.7	506.0	506.0	508.5	507.3	500.8	512.4	517.5	518.8	525.2	521.4
72.5°	390.4	394.3	396.8	398.1	396.8	393.0	399.4	408.4	407.1	413.5	407.1
75°	264.5	269.7	272.3	277.4	276.1	276.1	283.8	287.7	283.8	288.9	283.8
77.5°	150.3	154.1	161.8	166.9	172.1	175.9	181.1	183.6	182.4	184.9	182.4
80°	87.3	88.6	95.0	97.6	104.0	110.4	115.6	118.1	119.4	120.7	119.4
82.5°	50.1	51.4	53.9	56.5	61.6	66.8	71.9	75.8	75.8	77.1	75.8
85°	24.4	24.4	25.7	27.0	29.5	33.4	37.2	41.1	42.4	42.4	42.4
87.5°	3.9	3.9	5.1	5.1	6.4	7.7	10.3	12.8	14.1	14.1	14.1
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)