

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: P639334

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639334
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-SA5B-760-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM 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: 15685.1 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

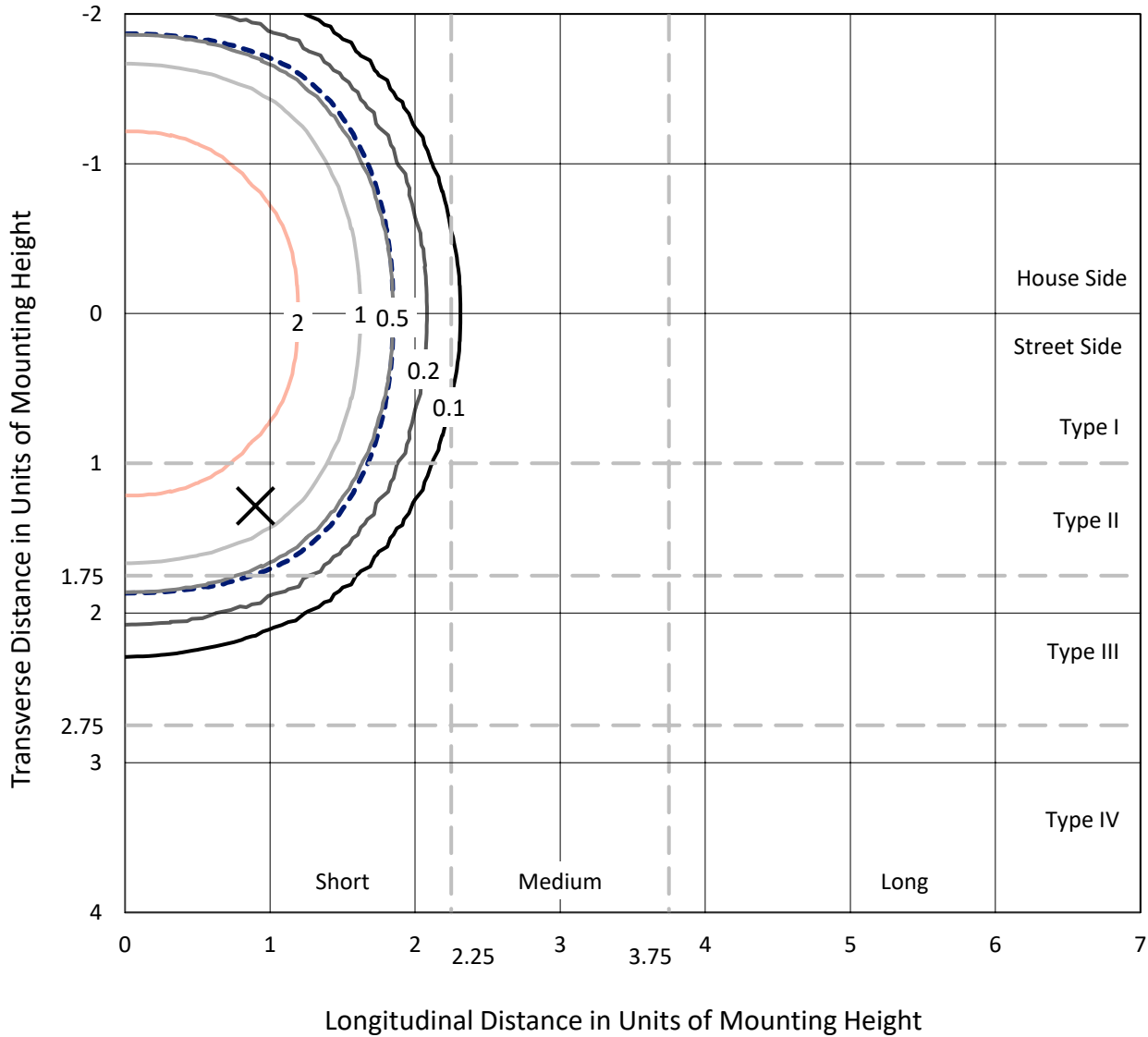
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

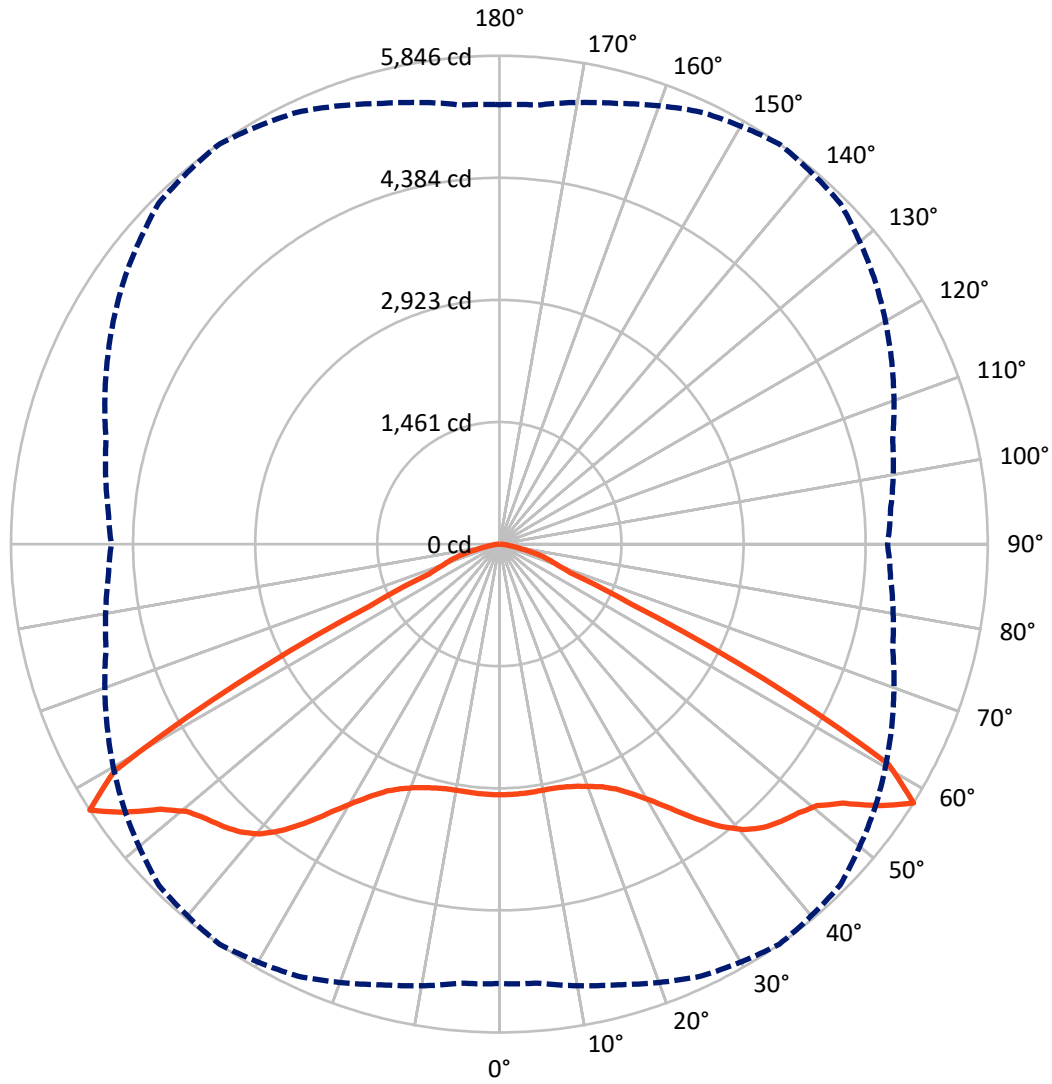
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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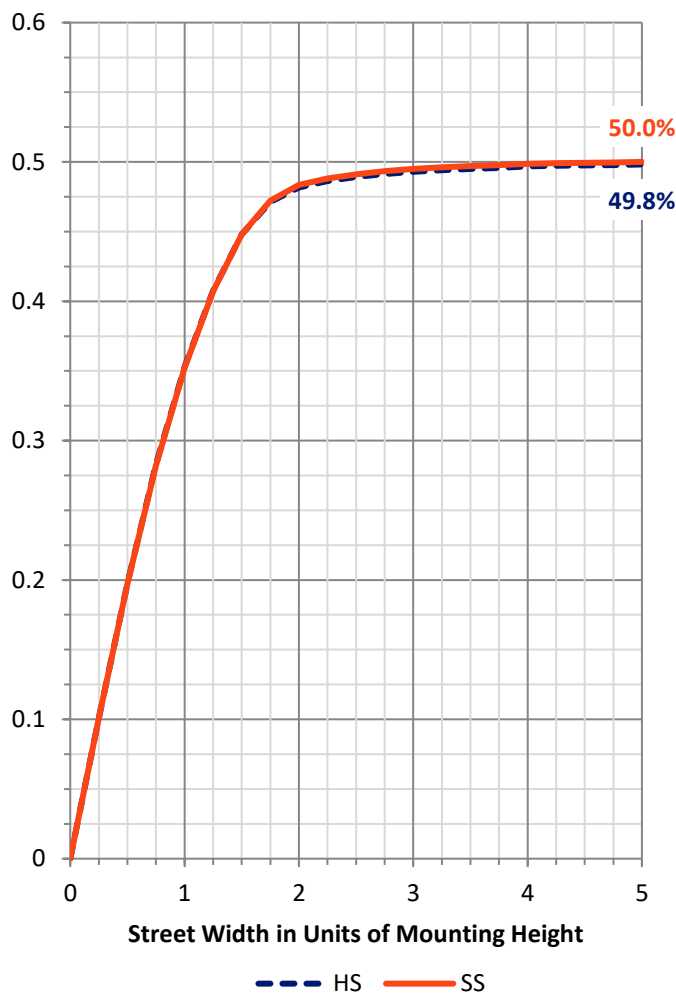
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7842.6	0.0	7842.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7842.6	0.0	7842.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	15685.1	0.0	15685.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.5	1.8
10°-20°	851.8	5.4
20°-30°	1486.3	9.5
30°-40°	2437.1	15.5
40°-50°	3589.3	22.9
50°-60°	4580.6	29.2
60°-70°	1930.5	12.3
70°-80°	461.1	2.9
80°-90°	62.8	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°	15685.1	100.0
0°-180°	15685.1	100.0

Coefficient of Utilization



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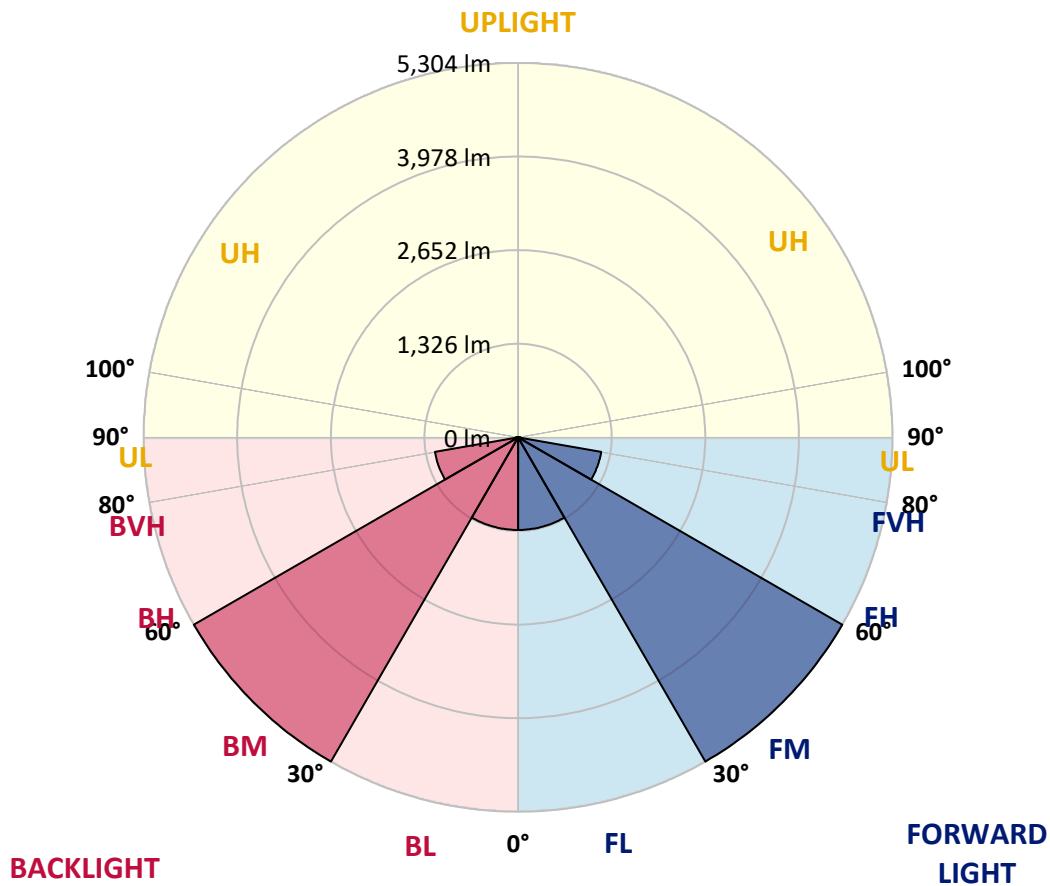
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1311.8	8.4			
FM (30°-60°)	5303.6	33.8			
FH (60°-80°)	1195.8	7.6			G1/1800
FVH (80°-90°)	31.4	0.2			G1/100
BL (0°-30°)	1311.8	8.4	B3/2500		
BM (30°-60°)	5303.6	33.8	B4/8500		
BH (60°-80°)	1195.8	7.6	B3/2500		G1/1800
BVH (80°-90°)	31.4	0.2			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°	3001.2	3001.2	3001.2	3001.2	3001.2	3001.2	3001.2	3001.2	3001.2	3001.2	3001.2
2.5°	2983.2	2983.2	2989.6	2996.0	2998.6	3010.2	3008.9	3005.0	3002.4	2994.7	3005.0
5°	2989.6	2989.6	2994.7	2998.6	2997.3	3006.3	3002.4	2996.0	2992.2	2984.5	2996.0
7.5°	2988.3	2988.3	2992.2	2996.0	2993.5	3001.2	2994.7	2985.8	2979.3	2971.6	2981.9
10°	2971.6	2974.2	2978.0	2987.0	2990.9	3002.4	2993.5	2979.3	2969.1	2960.1	2970.3
12.5°	2969.1	2971.6	2976.8	2988.3	2994.7	3011.4	2999.9	2976.8	2961.4	2949.8	2960.1
15°	2980.6	2983.2	2990.9	3005.0	3015.3	3033.3	3016.6	2984.5	2962.6	2947.2	2956.2
17.5°	2994.7	2998.6	3010.2	3030.7	3047.4	3066.7	3046.1	3007.6	2976.8	2956.2	2963.9
20°	3010.2	3015.3	3033.3	3064.1	3094.9	3119.3	3093.6	3042.3	3005.0	2978.0	2985.8
22.5°	3037.1	3043.5	3066.7	3110.3	3156.6	3192.5	3160.4	3091.1	3042.3	3007.6	3014.0
25°	3092.3	3100.0	3129.6	3182.2	3247.7	3291.4	3246.4	3168.1	3100.0	3057.7	3064.1
27.5°	3189.9	3193.8	3232.3	3301.7	3382.6	3432.7	3378.7	3286.3	3210.5	3161.7	3166.8
30°	3318.4	3329.9	3368.4	3459.6	3555.9	3622.7	3552.1	3442.9	3355.6	3296.5	3301.7
32.5°	3475.0	3482.7	3540.5	3635.6	3774.2	3851.3	3755.0	3625.3	3520.0	3448.1	3453.2
35°	3680.5	3686.9	3742.1	3862.9	4031.1	4103.0	3992.6	3843.6	3721.6	3653.5	3672.8
37.5°	3925.8	3937.3	3977.2	4096.6	4284.1	4354.7	4227.6	4088.9	3961.7	3898.8	3912.9
40°	4189.0	4187.8	4219.9	4325.2	4496.0	4539.6	4425.3	4314.9	4205.7	4164.6	4187.8
42.5°	4415.1	4408.6	4431.8	4519.1	4637.2	4641.1	4565.3	4503.7	4426.6	4398.4	4420.2
45°	4573.0	4575.6	4610.3	4670.6	4731.0	4698.9	4675.8	4665.5	4605.1	4566.6	4570.5
47.5°	4697.6	4707.9	4763.1	4804.2	4811.9	4757.9	4790.0	4805.5	4755.4	4696.3	4679.6
50°	4808.0	4824.7	4896.6	4940.3	4923.6	4855.5	4918.5	4941.6	4831.1	4718.1	4684.7
52.5°	5008.4	5027.6	5114.9	5171.5	5152.2	5084.1	5143.2	5061.0	4874.8	4736.1	4693.7
55°	5328.1	5337.1	5443.7	5536.2	5527.2	5443.7	5396.2	5213.8	4987.8	4844.0	4804.2
57.5°	5260.1	5275.5	5460.4	5707.0	5845.7	5769.9	5491.2	5180.4	4873.5	4700.2	4646.2
60°	4139.0	4176.2	4406.1	4840.1	5348.7	5347.4	4829.9	4347.0	3977.2	3747.3	3724.2
62.5°	2416.9	2442.5	2651.9	3091.1	3546.9	3575.2	3211.8	2880.5	2556.8	2401.4	2327.0
65°	1144.2	1142.9	1226.4	1424.2	1732.4	1756.8	1647.6	1466.6	1275.2	1222.6	1208.4
67.5°	845.0	845.0	838.6	852.7	911.8	924.6	911.8	882.2	864.3	875.8	868.1
70°	733.3	734.6	726.9	723.0	723.0	719.1	724.3	735.8	743.5	759.0	751.3
72.5°	594.6	595.9	595.9	597.2	598.4	593.3	601.0	607.4	608.7	613.8	608.7
75°	422.5	425.1	432.8	439.2	444.3	444.3	446.9	448.2	443.0	449.5	439.2
77.5°	232.4	235.0	249.1	260.7	272.2	273.5	277.4	280.0	277.4	282.5	274.8
80°	128.4	131.0	137.4	142.5	151.5	159.2	164.4	166.9	166.9	170.8	166.9
82.5°	73.2	75.8	79.6	82.2	89.9	96.3	101.5	105.3	105.3	106.6	104.0
85°	34.7	34.7	37.2	39.8	43.7	46.2	52.7	56.5	56.5	59.1	56.5
87.5°	5.1	6.4	7.7	7.7	10.3	12.8	15.4	16.7	19.3	20.5	20.5
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)