

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: P639172

Luminaire Tested: GWS-SA5B-735-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639172
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15876 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

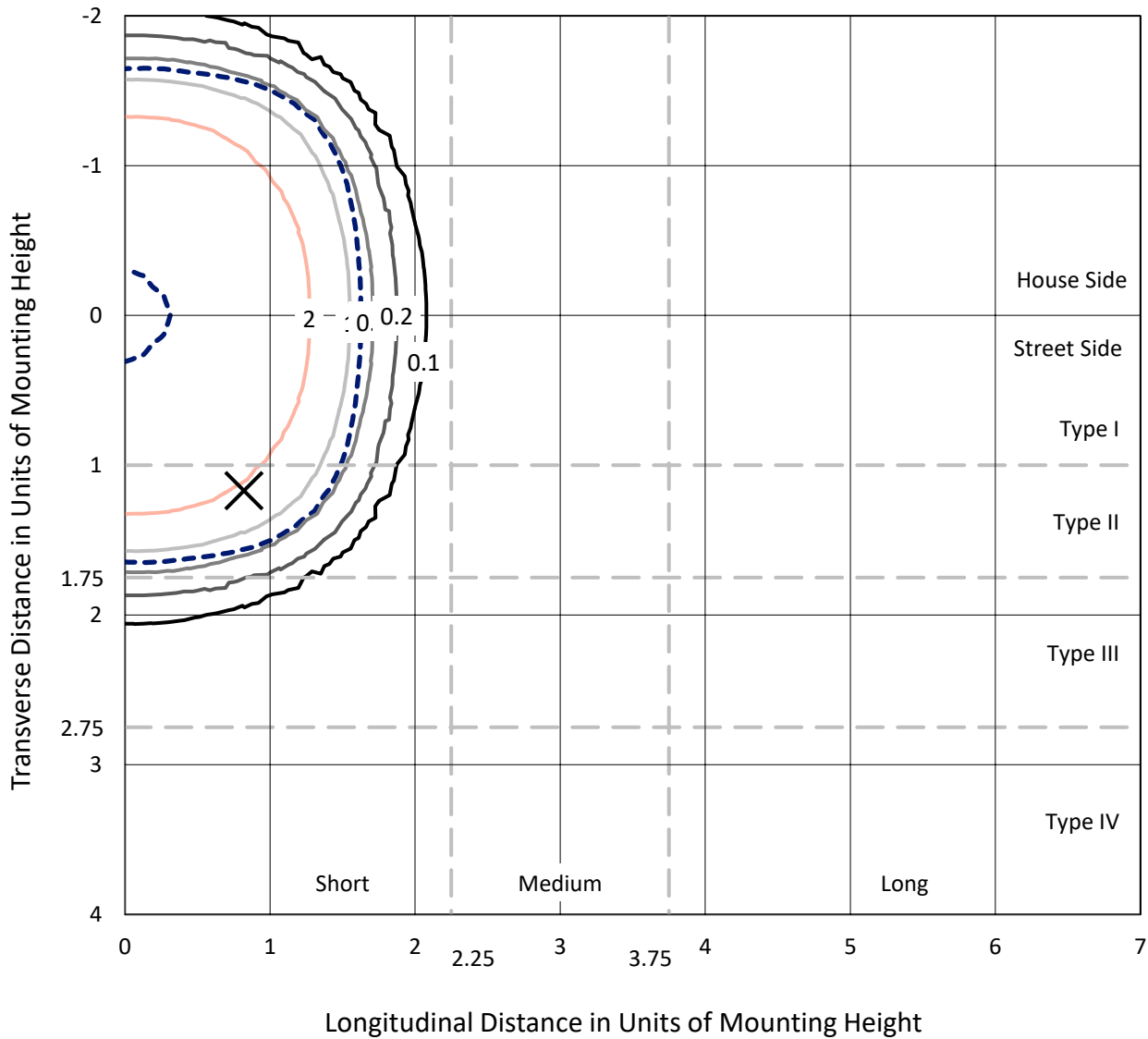
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

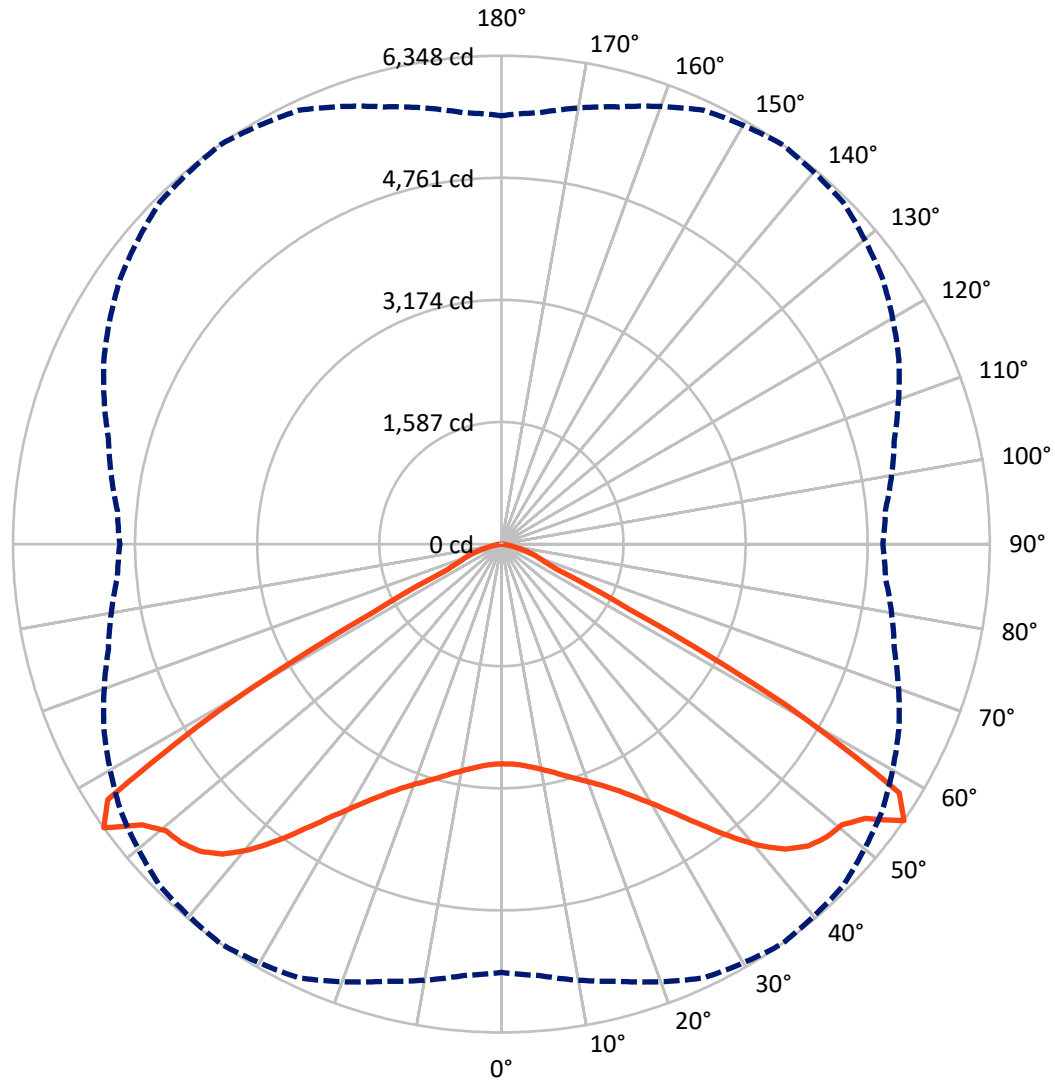
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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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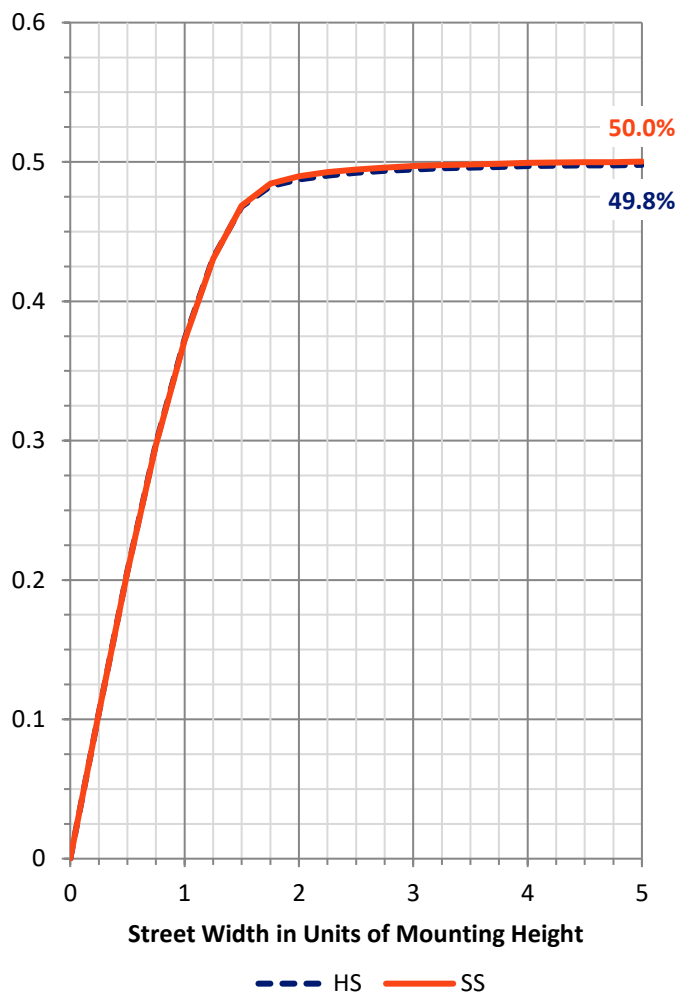
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7938.0	0.0	7938.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7938.0	0.0	7938.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	15876.0	0.0	15876.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.6	1.8
10°-20°	886.9	5.6
20°-30°	1641.5	10.3
30°-40°	2746.0	17.3
40°-50°	4184.4	26.4
50°-60°	4687.4	29.5
60°-70°	1109.1	7.0
70°-80°	299.0	1.9
80°-90°	43.0	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°	15876.0	100.0
0°-180°	15876.0	100.0

Coefficient of Utilization



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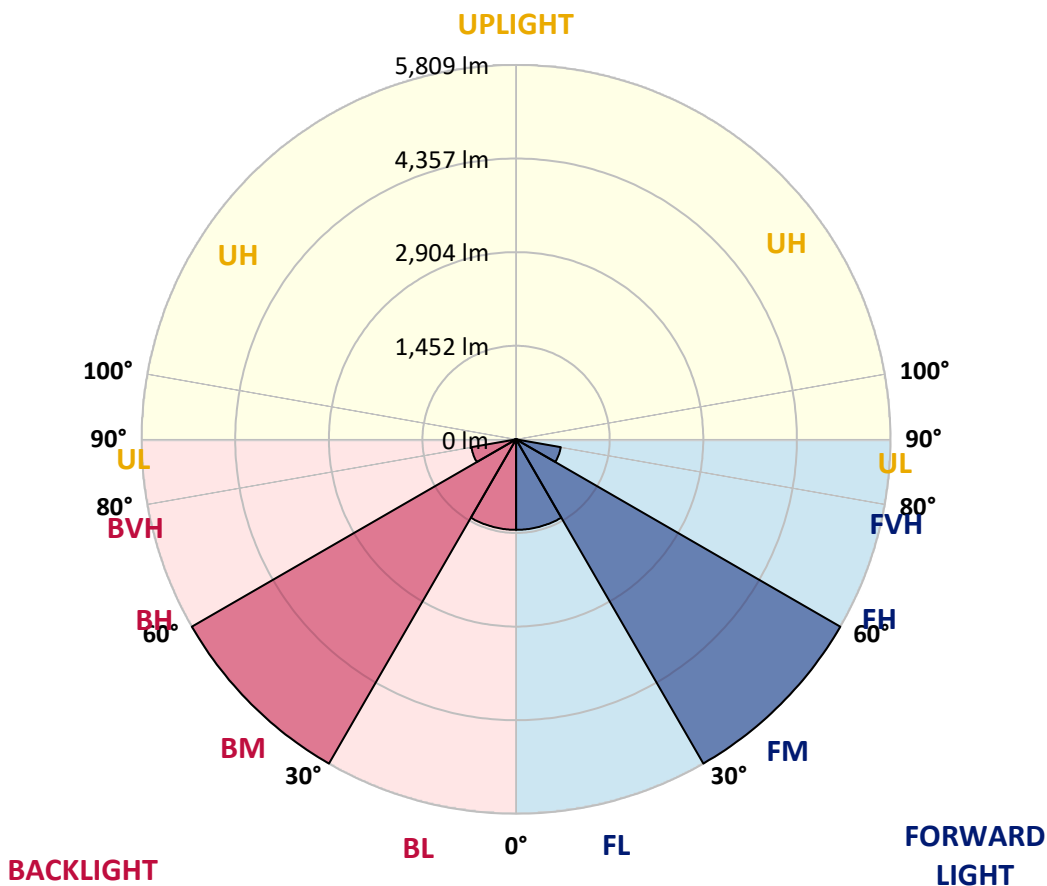
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1403.5	8.8			
FM (30°-60°)	5808.9	36.6			
FH (60°-80°)	704.0	4.4			G1/1800
FVH (80°-90°)	21.5	0.1			G1/100
BL (0°-30°)	1403.5	8.8	B3/2500		
BM (30°-60°)	5808.9	36.6	B4/8500		
BH (60°-80°)	704.0	4.4	B2/1000		G1/1800
BVH (80°-90°)	21.5	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°	2856.1	2856.1	2856.1	2856.1	2856.1	2856.1	2856.1	2856.1	2856.1	2856.1	2856.1
2.5°	2849.9	2849.9	2854.9	2861.2	2862.4	2875.0	2872.5	2867.4	2864.9	2859.9	2871.2
5°	2881.2	2882.5	2886.3	2890.0	2887.5	2897.6	2893.8	2887.5	2883.8	2877.5	2888.8
7.5°	2922.7	2922.7	2926.4	2931.5	2929.0	2944.0	2936.5	2927.7	2921.4	2913.9	2923.9
10°	2960.3	2962.8	2966.6	2976.7	2981.7	2998.0	2993.0	2980.4	2970.4	2961.6	2972.9
12.5°	3016.8	3019.3	3023.1	3036.9	3045.7	3062.0	3054.5	3036.9	3021.9	3009.3	3021.9
15°	3089.6	3087.1	3097.2	3114.8	3126.1	3141.1	3132.3	3102.2	3082.1	3065.8	3078.3
17.5°	3163.7	3162.5	3172.5	3195.1	3211.4	3231.5	3216.4	3181.3	3160.0	3139.9	3152.4
20°	3244.1	3247.8	3257.9	3279.2	3303.1	3329.4	3316.9	3279.2	3255.4	3232.8	3242.8
22.5°	3343.2	3344.5	3355.8	3383.4	3414.8	3439.9	3432.4	3385.9	3355.8	3331.9	3344.5
25°	3462.5	3461.3	3476.3	3509.0	3552.9	3578.0	3561.7	3510.2	3477.6	3450.0	3460.0
27.5°	3599.4	3598.1	3620.7	3663.4	3726.2	3761.3	3727.4	3663.4	3618.2	3579.3	3588.1
30°	3771.4	3767.6	3792.7	3850.4	3932.1	3991.1	3940.8	3851.7	3792.7	3751.3	3760.1
32.5°	3962.2	3967.2	3998.6	4076.4	4179.4	4256.0	4180.6	4081.4	4002.4	3942.1	3952.1
35°	4171.8	4171.8	4235.9	4332.5	4479.4	4581.1	4464.4	4321.2	4215.8	4132.9	4135.4
37.5°	4405.4	4407.9	4492.0	4625.1	4817.1	4936.4	4778.2	4601.2	4473.1	4384.0	4379.0
40°	4690.3	4697.9	4784.5	4932.6	5148.6	5257.8	5088.3	4915.1	4784.5	4679.0	4669.0
42.5°	5011.7	5014.2	5105.9	5239.0	5421.0	5486.3	5353.2	5211.3	5104.6	5009.2	4999.2
45°	5318.1	5311.8	5390.9	5490.1	5595.5	5601.8	5527.7	5470.0	5377.1	5295.5	5280.4
47.5°	5556.6	5551.6	5623.1	5677.1	5689.7	5628.2	5652.0	5660.8	5552.8	5442.3	5413.5
50°	5702.2	5712.3	5780.1	5810.2	5736.1	5635.7	5726.1	5703.5	5549.1	5404.7	5358.2
52.5°	5790.1	5805.2	5923.2	5999.8	5923.2	5827.8	5840.3	5707.2	5485.0	5294.2	5233.9
55°	5567.9	5628.2	5883.0	6222.0	6347.5	6281.0	6042.5	5699.7	5287.9	5010.5	4959.0
57.5°	4126.6	4222.1	4599.9	5334.4	6097.7	6340.0	5643.2	4778.2	4154.3	3797.7	3767.6
60°	2106.6	2213.3	2515.9	3270.4	4252.2	4593.7	3930.8	3059.5	2431.8	2143.0	2110.4
62.5°	860.0	877.6	976.7	1268.0	1879.4	2168.2	1904.5	1337.0	1004.4	925.3	926.5
65°	676.7	680.5	675.4	693.0	787.2	873.8	807.3	709.3	691.7	700.5	694.3
67.5°	590.1	591.3	587.5	587.5	591.3	587.5	595.1	598.8	601.4	611.4	605.1
70°	493.4	494.6	494.6	497.2	495.9	489.6	500.9	505.9	507.2	513.5	509.7
72.5°	381.7	385.4	387.9	389.2	387.9	384.2	390.4	399.2	398.0	404.3	398.0
75°	258.6	263.6	266.2	271.2	269.9	269.9	277.5	281.2	277.5	282.5	277.5
77.5°	146.9	150.7	158.2	163.2	168.2	172.0	177.0	179.5	178.3	180.8	178.3
80°	85.4	86.6	92.9	95.4	101.7	108.0	113.0	115.5	116.8	118.0	116.8
82.5°	49.0	50.2	52.7	55.2	60.3	65.3	70.3	74.1	74.1	75.3	74.1
85°	23.9	23.9	25.1	26.4	28.9	32.6	36.4	40.2	41.4	41.4	41.4
87.5°	3.8	3.8	5.0	5.0	6.3	7.5	10.0	12.6	13.8	13.8	13.8
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)