

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: P635871

Luminaire Tested: GWS-SA3E-760-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635871
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-SA3E-760-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15612.7 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

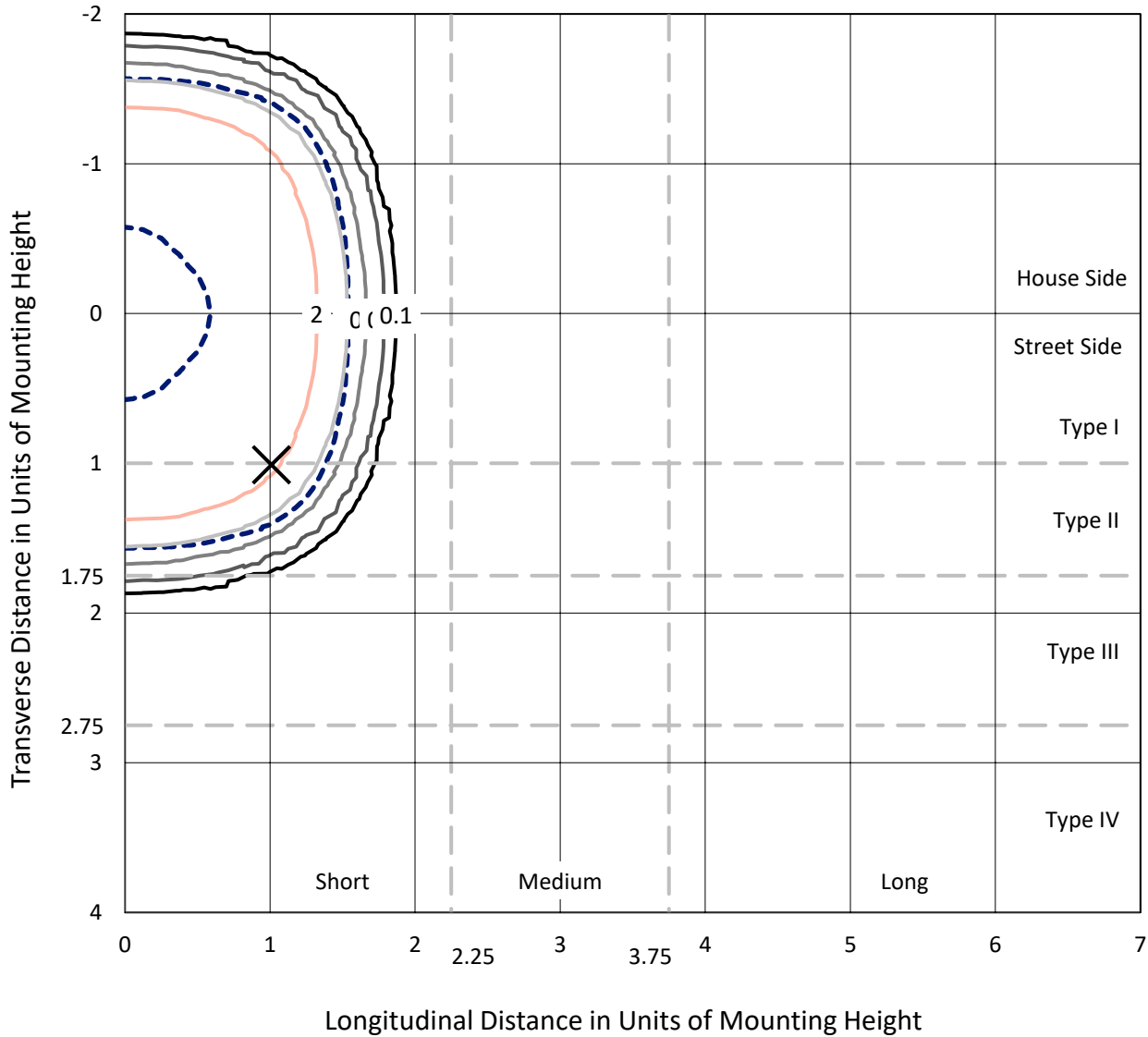
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635871
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Iso-Footcandle Lines of Horizontal Illumination

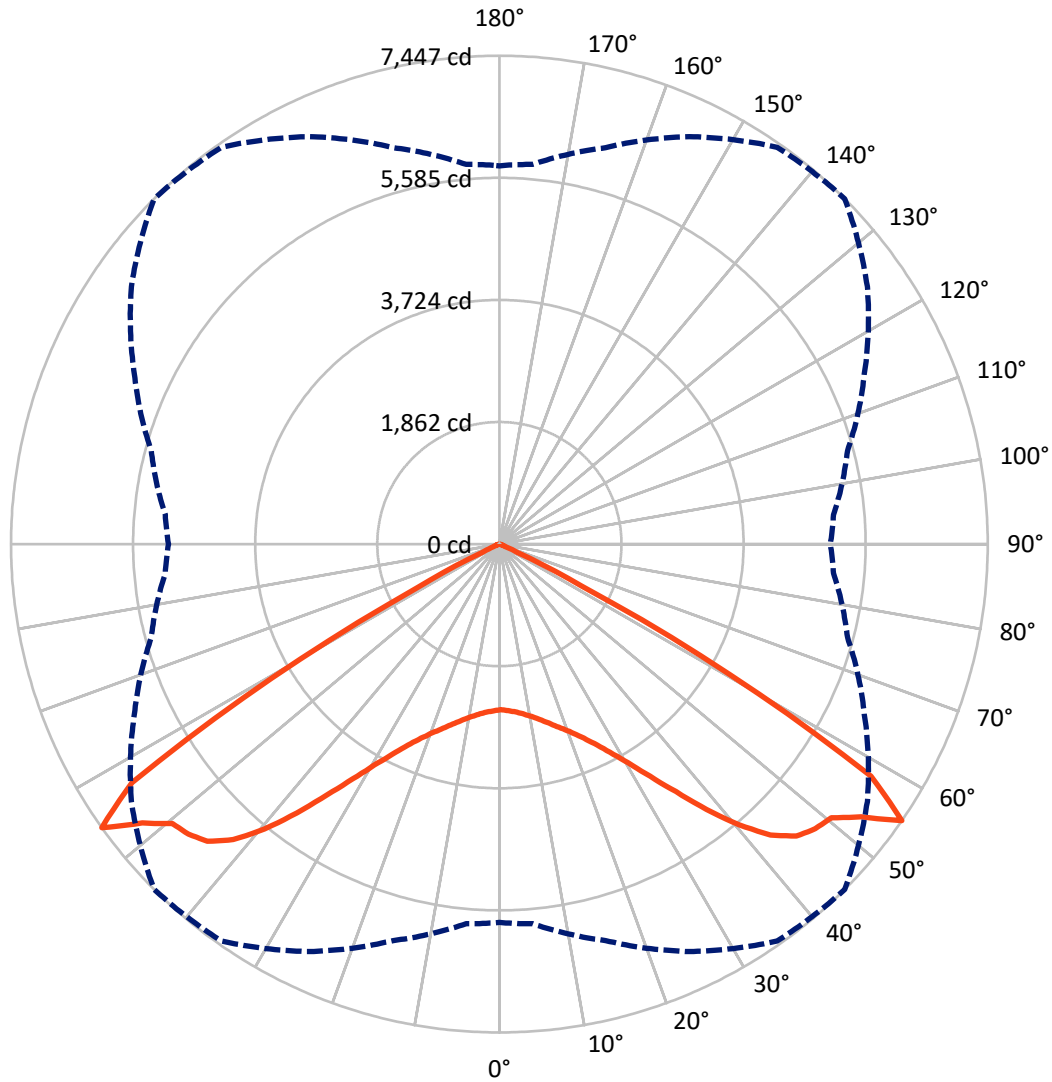
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type V - Short - N/A

REPORT NUMBER: P635871
CATALOG NUMBER: GWS-SA3E-760-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-SA3E-760-U-5NQ-W-GRSBK

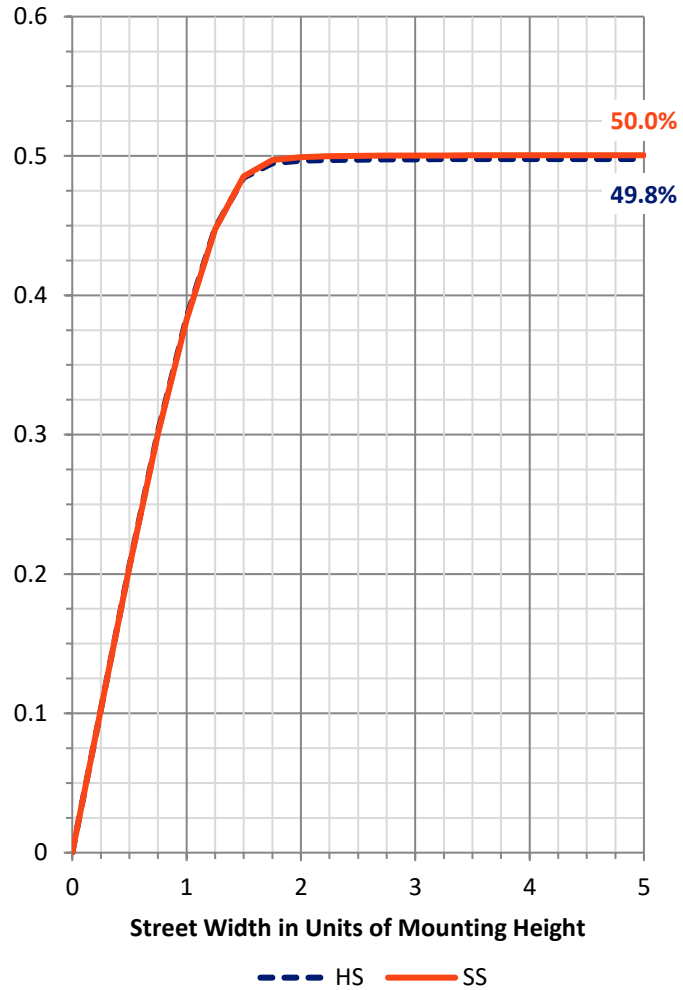
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7806.4	0.0	7806.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7806.4	0.0	7806.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	15612.7	0.0	15612.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.3	1.6
10°-20°	801.7	5.1
20°-30°	1552.6	9.9
30°-40°	2781.6	17.8
40°-50°	4663.5	29.9
50°-60°	4992.1	32.0
60°-70°	548.6	3.5
70°-80°	24.2	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°	15612.7	100.0
0°-180°	15612.7	100.0

Coefficient of Utilization



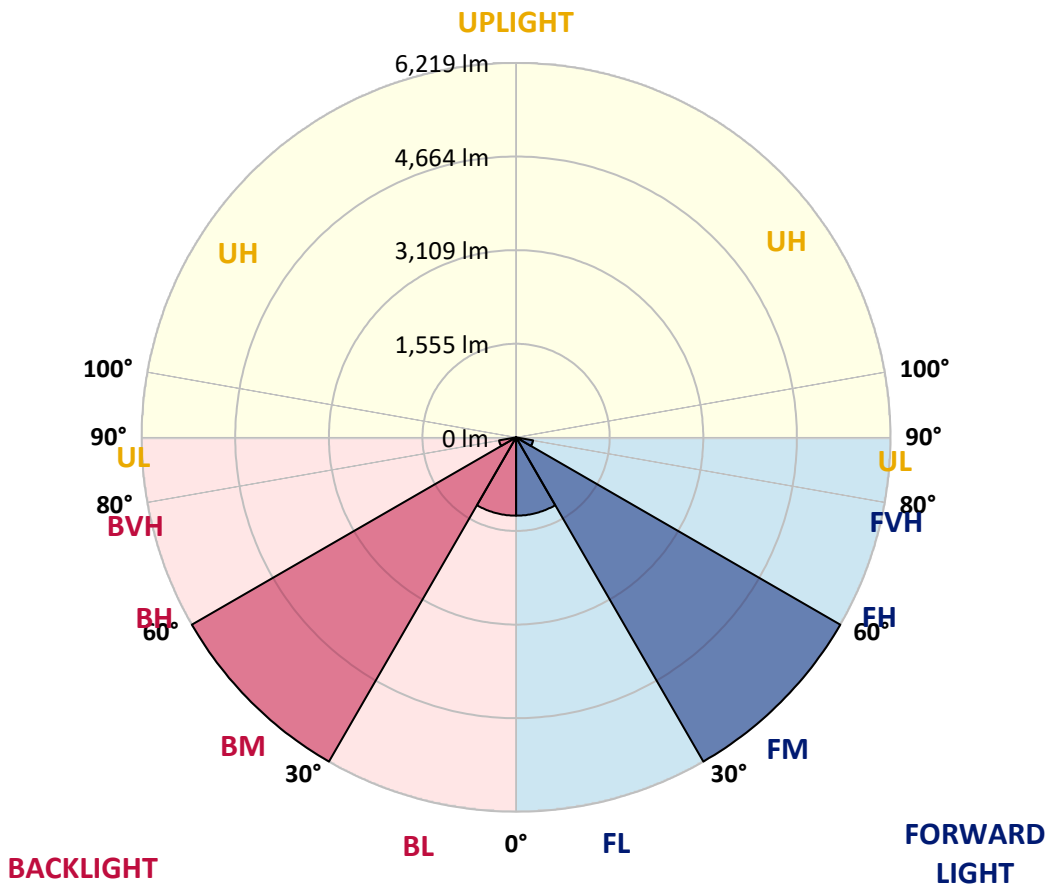
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1300.8	8.3			
FM (30°-60°)	6218.6	39.8			
FH (60°-80°)	286.4	1.8			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1300.8	8.3	B3/2500		
BM (30°-60°)	6218.6	39.8	B4/8500		
BH (60°-80°)	286.4	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°	2524.3	2524.3	2524.3	2524.3	2524.3	2524.3	2524.3	2524.3	2524.3	2524.3	2524.3
2.5°	2519.5	2519.5	2525.9	2530.6	2530.6	2543.4	2538.6	2533.8	2533.8	2527.5	2540.2
5°	2556.1	2554.5	2560.9	2564.0	2557.7	2570.4	2562.4	2557.7	2554.5	2548.1	2560.9
7.5°	2595.8	2597.4	2599.0	2605.4	2602.2	2614.9	2608.6	2599.0	2595.8	2586.3	2599.0
10°	2643.6	2643.6	2646.7	2654.7	2656.3	2672.2	2665.8	2654.7	2645.2	2635.6	2648.3
12.5°	2704.0	2705.6	2710.4	2721.5	2727.9	2745.4	2735.8	2713.6	2699.2	2688.1	2702.4
15°	2791.5	2789.9	2796.3	2812.2	2820.1	2832.8	2818.5	2788.3	2770.8	2758.1	2767.6
17.5°	2886.9	2886.9	2890.1	2906.0	2917.1	2936.2	2918.7	2882.2	2866.3	2848.8	2858.3
20°	2991.9	2996.7	2999.9	3011.0	3030.1	3049.2	3034.9	2998.3	2980.8	2958.5	2969.6
22.5°	3130.3	3125.5	3127.1	3146.2	3173.2	3192.3	3181.2	3138.2	3108.0	3090.5	3096.9
25°	3284.6	3283.0	3287.8	3316.4	3346.6	3367.3	3351.4	3295.7	3265.5	3235.3	3248.0
27.5°	3473.9	3475.4	3478.6	3513.6	3561.3	3591.6	3551.8	3496.1	3454.8	3415.0	3424.5
30°	3698.1	3694.9	3704.5	3752.2	3822.2	3869.9	3823.8	3745.8	3687.0	3648.8	3653.6
32.5°	3936.7	3939.9	3965.4	4041.7	4134.0	4218.3	4124.4	4021.0	3944.7	3873.1	3882.6
35°	4194.4	4202.3	4259.6	4372.5	4523.6	4636.6	4506.2	4336.0	4227.8	4135.5	4138.7
37.5°	4498.2	4517.3	4596.8	4765.4	4981.7	5132.8	4942.0	4716.1	4576.1	4461.6	4453.7
40°	4897.4	4919.7	5027.9	5228.3	5490.7	5629.1	5408.0	5175.8	5002.4	4878.4	4859.3
42.5°	5355.5	5384.2	5501.9	5707.1	5969.5	6063.3	5847.0	5651.4	5495.5	5349.2	5342.8
45°	5872.5	5888.4	5983.8	6141.3	6330.6	6352.8	6190.6	6082.4	5925.0	5788.2	5777.0
47.5°	6357.6	6373.5	6438.7	6519.8	6564.4	6484.9	6456.2	6408.5	6204.9	6036.3	6001.3
50°	6726.6	6739.3	6820.5	6852.3	6728.2	6559.6	6615.3	6513.5	6292.4	6103.1	6049.0
52.5°	6701.2	6733.0	6941.4	7122.7	7044.7	6907.9	6758.4	6538.9	6195.4	5936.1	5869.3
55°	5769.1	5812.0	6259.0	6855.5	7388.3	7447.2	6849.1	6141.3	5495.5	5115.4	5047.0
57.5°	3707.7	3718.8	4264.4	5101.0	6301.9	6680.5	5680.0	4630.2	3827.0	3408.6	3380.0
60°	1363.1	1340.9	1752.8	2446.3	3629.7	4030.6	3343.4	2341.4	1670.1	1374.3	1350.4
62.5°	327.7	330.8	410.4	615.6	1138.9	1409.3	1113.4	621.9	396.1	332.4	329.3
65°	165.4	162.2	163.8	176.6	243.4	291.1	238.6	168.6	162.2	163.8	162.2
67.5°	106.6	105.0	108.2	109.8	108.2	101.8	100.2	103.4	103.4	105.0	101.8
70°	65.2	63.6	66.8	71.6	68.4	60.4	63.6	66.8	63.6	62.0	62.0
72.5°	35.0	35.0	38.2	41.4	38.2	35.0	35.0	36.6	35.0	35.0	35.0
75°	15.9	15.9	17.5	19.1	15.9	15.9	15.9	15.9	15.9	15.9	15.9
77.5°	4.8	4.8	6.4	6.4	4.8	4.8	4.8	4.8	6.4	6.4	6.4
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)