

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: P635873

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635873
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
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
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23190 lumens
Efficiency: N/A
Efficacy: 145.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

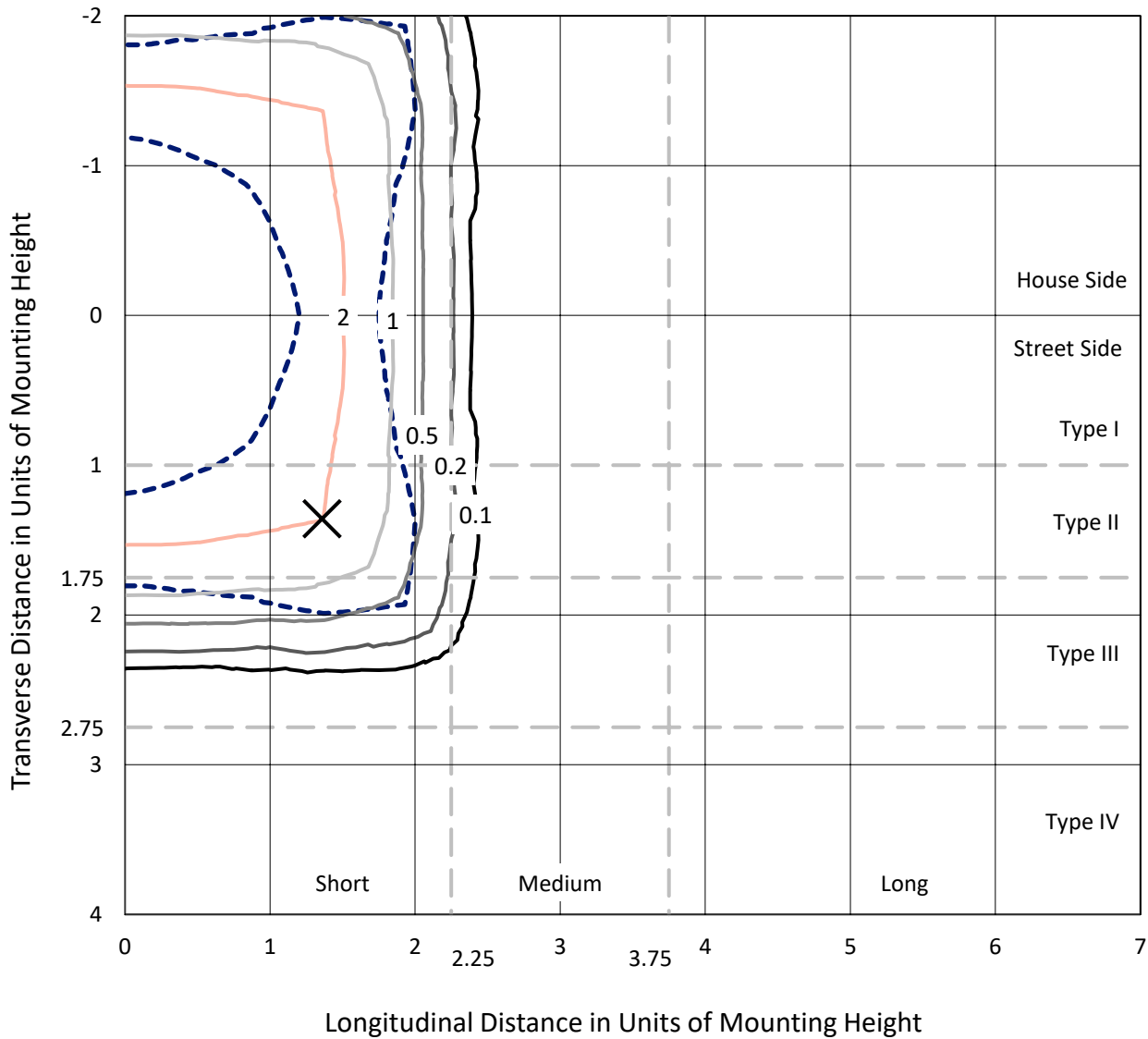
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635873
 CATALOG NUMBER: GWS-SA3E-760-U-5NQ-W

Iso-Footcandle Lines of Horizontal Illumination

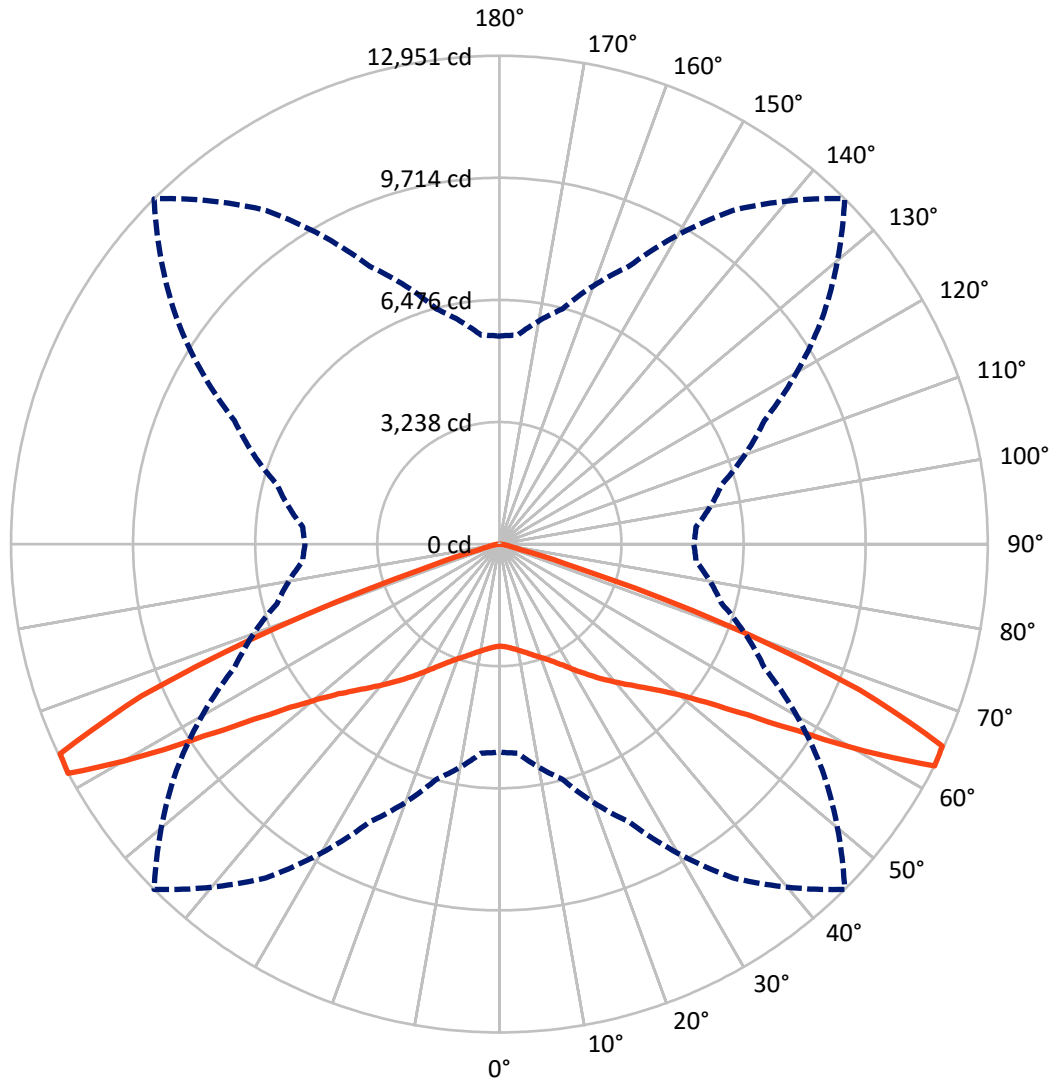
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type V - Short - N/A

REPORT NUMBER: P635873
CATALOG NUMBER: GWS-SA3E-760-U-5NQ-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P635873

CATALOG NUMBER: GWS-SA3E-760-U-5NQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11595.0	0.0	11595.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11595.0	0.0	11595.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23190.0	0.0	23190.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.4	1.1
10°-20°	856.0	3.7
20°-30°	1619.4	7.0
30°-40°	2725.8	11.8
40°-50°	4355.0	18.8
50°-60°	7020.0	30.3
60°-70°	5727.5	24.7
70°-80°	556.2	2.4
80°-90°	64.7	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°	23190.0	100.0
0°-180°	23190.0	100.0

Coefficient of Utilization



REPORT NUMBER: P635873

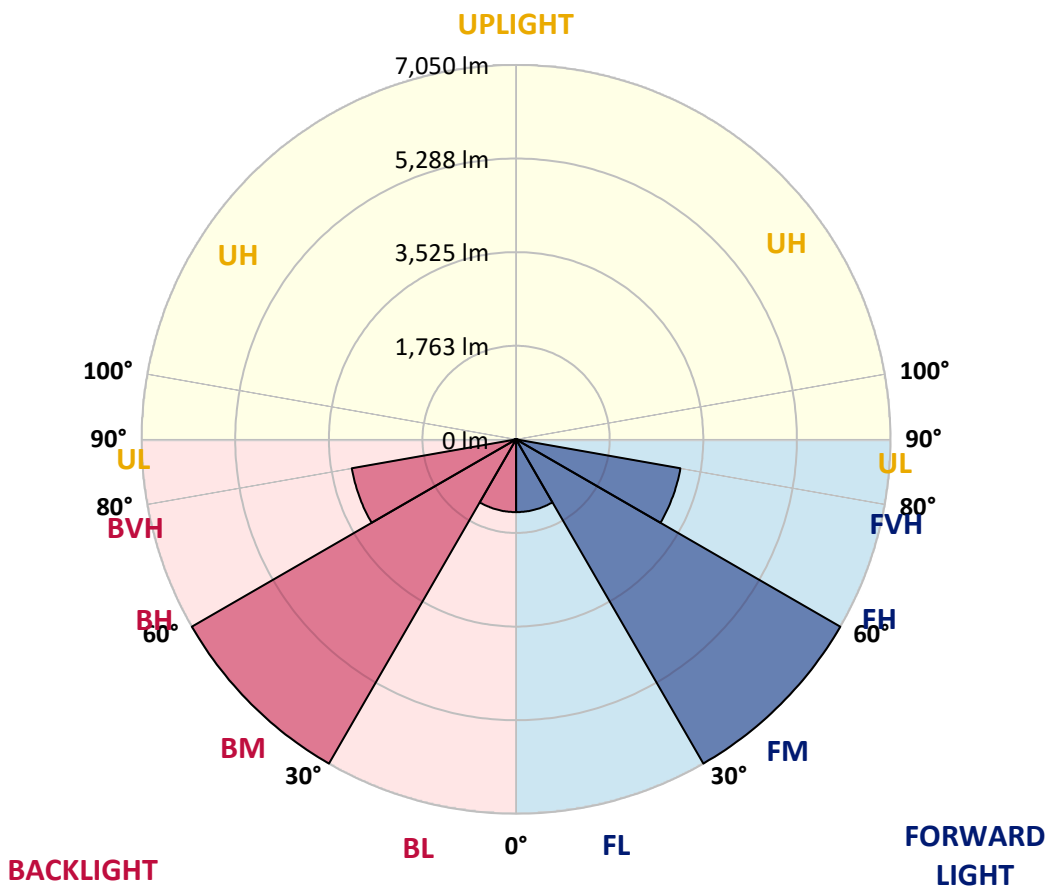
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1370.4	5.9			
FM (30°-60°)	7050.3	30.4			
FH (60°-80°)	3141.9	13.5			G2/5000
FVH (80°-90°)	32.4	0.1			G1/100
BL (0°-30°)	1370.4	5.9	B3/2500		
BM (30°-60°)	7050.3	30.4	B4/8500		
BH (60°-80°)	3141.9	13.5	B4/5000		G2/5000
BVH (80°-90°)	32.4	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2705.4	2705.4	2705.4	2705.4	2705.4	2705.4	2705.4	2705.4	2705.4	2705.4	2705.4
2.5°	2702.2	2702.2	2708.6	2713.4	2710.2	2722.9	2721.3	2718.2	2716.6	2711.8	2726.1
5°	2738.8	2738.8	2743.6	2748.4	2740.4	2756.3	2750.0	2746.8	2745.2	2738.8	2751.6
7.5°	2780.2	2785.0	2786.5	2794.5	2789.7	2807.2	2802.4	2796.1	2792.9	2785.0	2796.1
10°	2826.3	2829.5	2831.1	2845.4	2847.0	2867.7	2862.9	2854.9	2848.6	2840.6	2856.5
12.5°	2888.3	2889.9	2894.7	2912.2	2917.0	2932.9	2931.3	2920.1	2912.2	2901.1	2918.6
15°	2967.9	2969.4	2977.4	2994.9	3002.8	3021.9	3015.6	2998.1	2986.9	2974.2	2988.5
17.5°	3050.6	3056.9	3064.9	3082.4	3093.5	3115.8	3107.8	3088.7	3079.2	3066.5	3076.0
20°	3157.1	3158.7	3163.5	3182.6	3190.5	3216.0	3217.6	3198.5	3193.7	3181.0	3195.3
22.5°	3274.8	3276.4	3281.2	3301.9	3316.2	3332.1	3341.6	3330.5	3322.5	3306.6	3324.1
25°	3405.2	3421.1	3425.9	3451.4	3467.3	3476.8	3487.9	3483.2	3472.0	3453.0	3460.9
27.5°	3588.1	3591.3	3599.3	3627.9	3637.5	3647.0	3658.1	3659.7	3643.8	3621.5	3632.7
30°	3796.5	3794.9	3812.4	3834.7	3842.6	3850.6	3866.5	3876.0	3855.4	3831.5	3842.6
32.5°	4009.6	4028.7	4051.0	4071.7	4066.9	4070.1	4095.5	4113.0	4084.4	4041.4	4051.0
35°	4249.8	4262.5	4291.1	4321.4	4315.0	4310.2	4326.1	4343.6	4303.9	4248.2	4262.5
37.5°	4496.3	4515.4	4558.3	4594.9	4585.4	4563.1	4580.6	4599.7	4561.5	4497.9	4491.5
40°	4771.5	4801.7	4863.7	4893.9	4868.5	4825.6	4855.8	4901.9	4863.7	4790.6	4773.1
42.5°	5094.3	5130.9	5193.0	5239.1	5183.4	5113.4	5164.3	5231.1	5221.6	5124.6	5094.3
45°	5493.6	5517.4	5593.8	5616.0	5533.3	5436.3	5528.5	5630.3	5606.5	5501.5	5461.7
47.5°	5927.8	5964.3	6031.1	6072.5	5938.9	5818.0	5946.8	6083.6	6058.2	5959.6	5913.4
50°	6481.3	6529.0	6616.4	6651.4	6466.9	6328.6	6494.0	6667.3	6618.0	6486.0	6425.6
52.5°	7084.0	7122.2	7271.7	7341.7	7168.3	7018.8	7163.6	7333.8	7228.8	7053.8	6972.7
55°	7615.3	7653.4	7872.9	8105.1	8097.2	7993.8	8067.0	8070.2	7785.5	7496.0	7410.1
57.5°	7729.8	7768.0	8186.3	8793.8	9223.3	9342.5	9127.8	8676.1	7958.8	7451.5	7354.4
60°	7119.0	7162.0	7826.8	8937.0	10349.3	11146.2	10156.9	8663.4	7422.8	6735.7	6643.5
62.5°	5515.8	5561.9	6455.8	8122.6	10804.2	12951.4	10455.9	7752.1	6105.9	5235.9	5154.8
65°	2633.9	2633.9	3769.5	5826.0	9897.6	12908.4	9590.7	5735.3	3675.6	2823.1	2753.1
67.5°	652.1	655.3	970.2	2268.0	6732.6	10301.6	6842.3	2753.1	1294.7	916.1	892.3
70°	407.2	405.6	450.1	613.9	2355.5	6252.2	2797.7	830.2	526.5	464.4	461.2
72.5°	316.5	316.5	338.8	392.9	617.1	2129.7	815.9	461.2	381.7	343.5	343.5
75°	249.7	249.7	265.6	294.2	364.2	548.7	434.2	342.0	295.8	270.4	267.2
77.5°	186.1	189.3	202.0	221.1	248.1	308.6	275.2	257.7	230.6	211.5	205.2
80°	120.9	125.6	141.6	152.7	162.2	203.6	179.7	187.7	175.0	152.7	149.5
82.5°	65.2	66.8	85.9	89.1	92.2	111.3	114.5	119.3	124.1	97.0	90.7
85°	23.9	23.9	28.6	33.4	36.6	39.8	54.1	66.8	70.0	55.7	54.1
87.5°	4.8	4.8	4.8	3.2	3.2	3.2	9.5	17.5	28.6	22.3	22.3
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)