

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: P639833

Luminaire Tested: GWS-SA5C-760-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639833
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-SA5C-760-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25110.2 lumens
Efficiency: N/A
Efficacy: 159.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

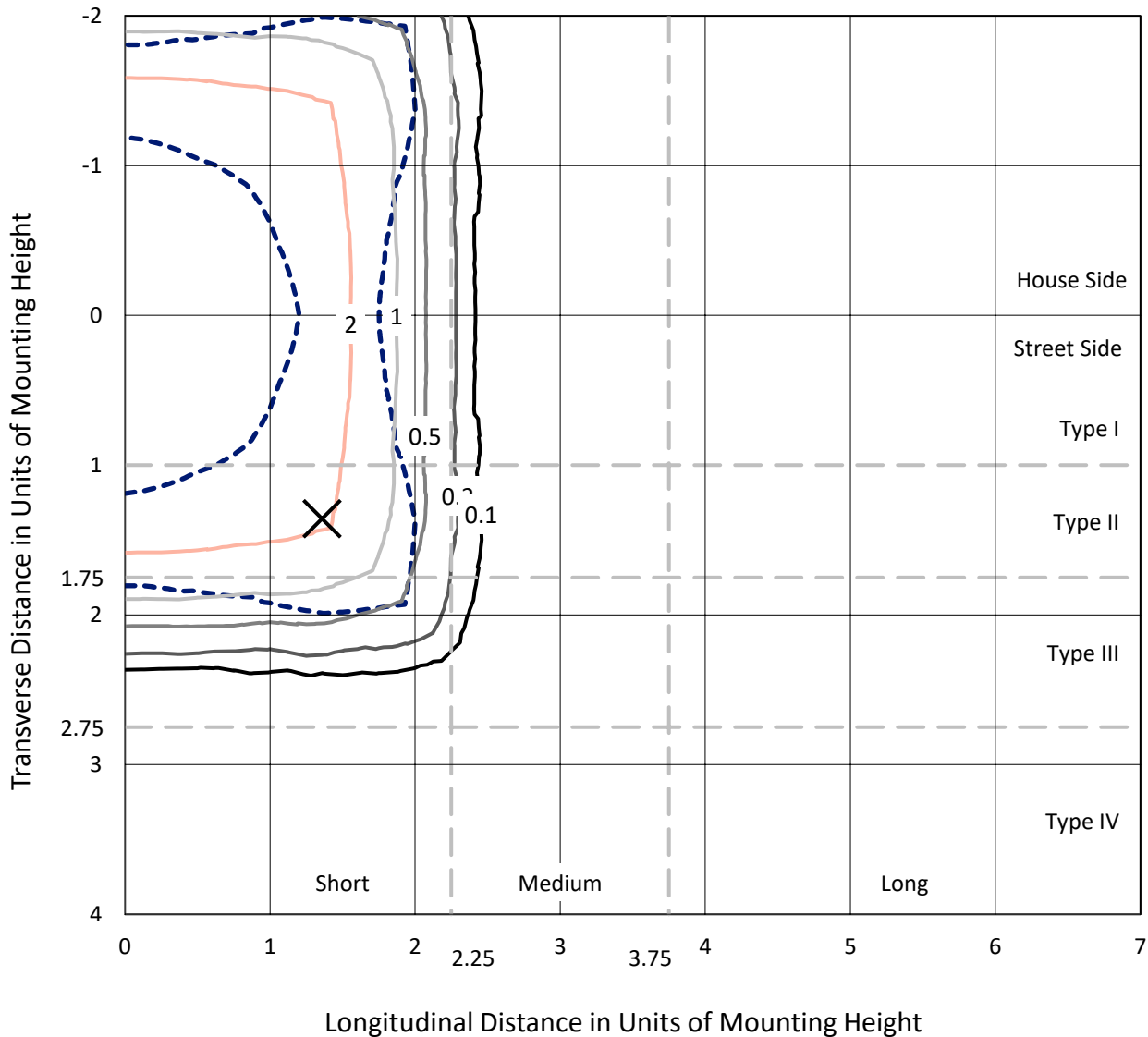
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639833
 CATALOG NUMBER: GWS-SA5C-760-U-5NQ-W

Iso-Footcandle Lines of Horizontal Illumination

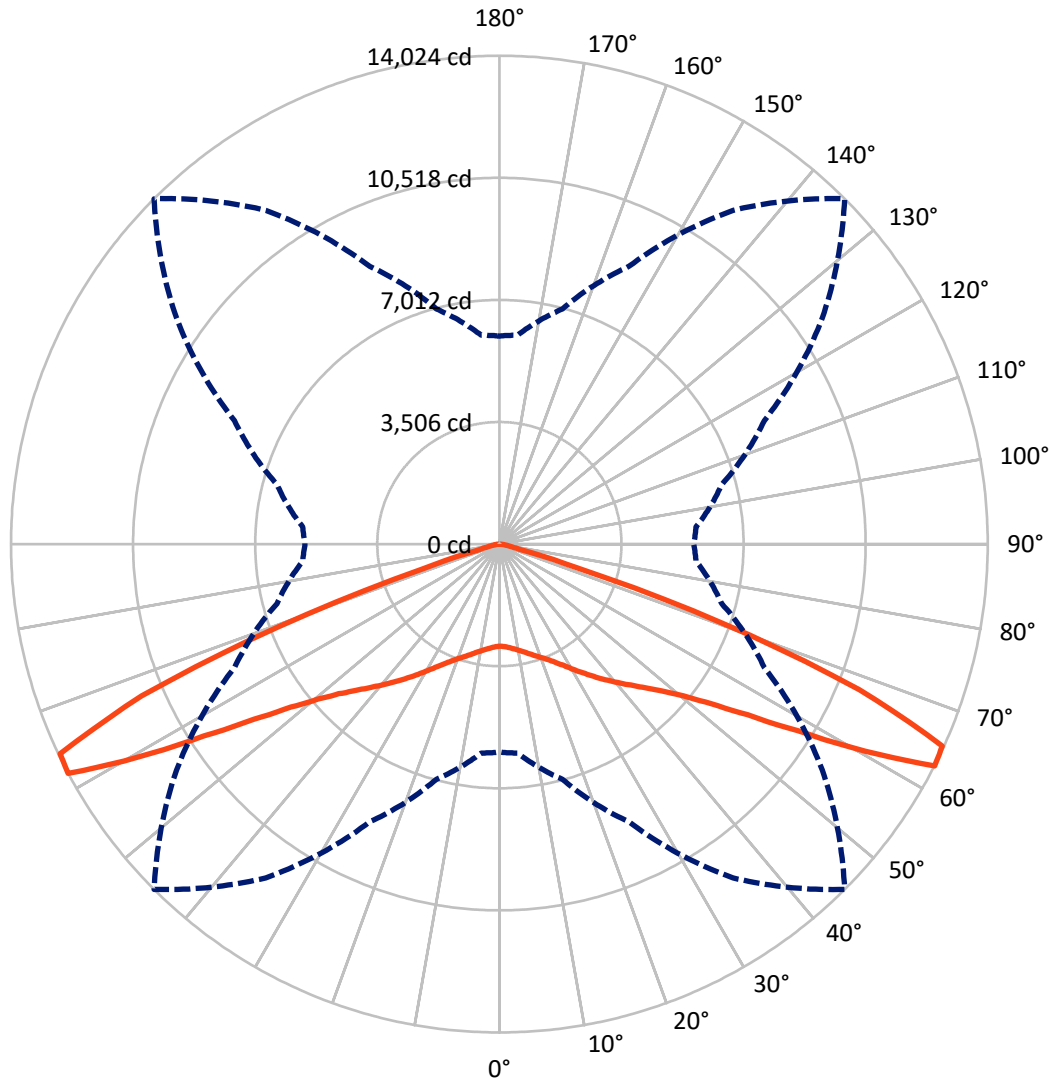
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type V - Short - N/A

REPORT NUMBER: P639833
CATALOG NUMBER: GWS-SA5C-760-U-5NQ-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P639833

CATALOG NUMBER: GWS-SA5C-760-U-5NQ-W

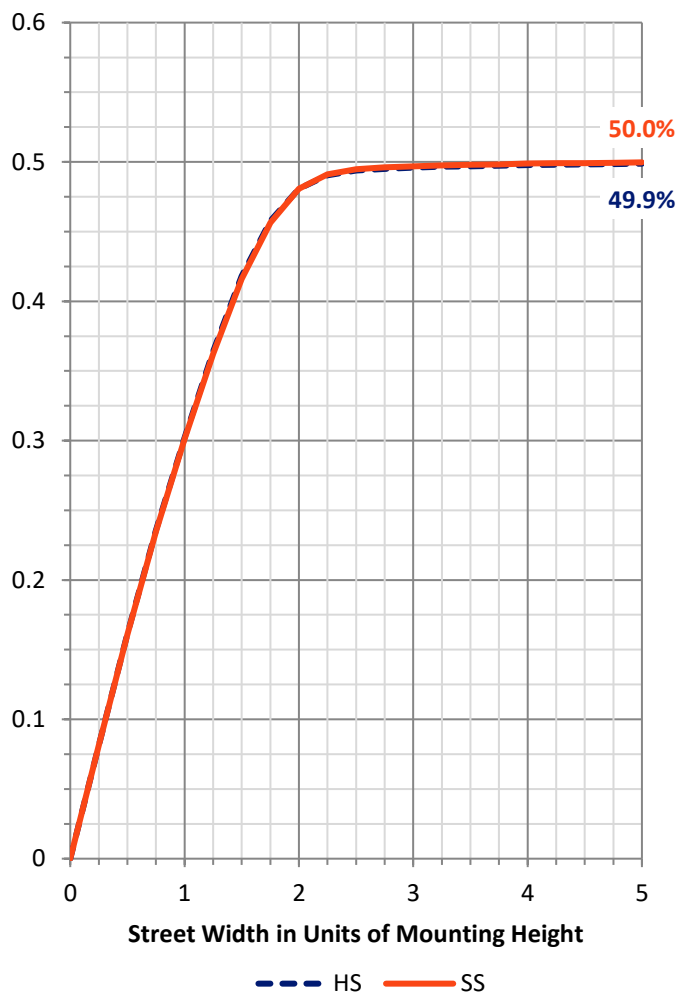
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12555.1	0.0	12555.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12555.1	0.0	12555.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	25110.2	0.0	25110.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.4	1.1
10°-20°	926.9	3.7
20°-30°	1753.5	7.0
30°-40°	2951.5	11.8
40°-50°	4715.6	18.8
50°-60°	7601.2	30.3
60°-70°	6201.8	24.7
70°-80°	602.2	2.4
80°-90°	70.1	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°	25110.2	100.0
0°-180°	25110.2	100.0

Coefficient of Utilization



REPORT NUMBER: P639833

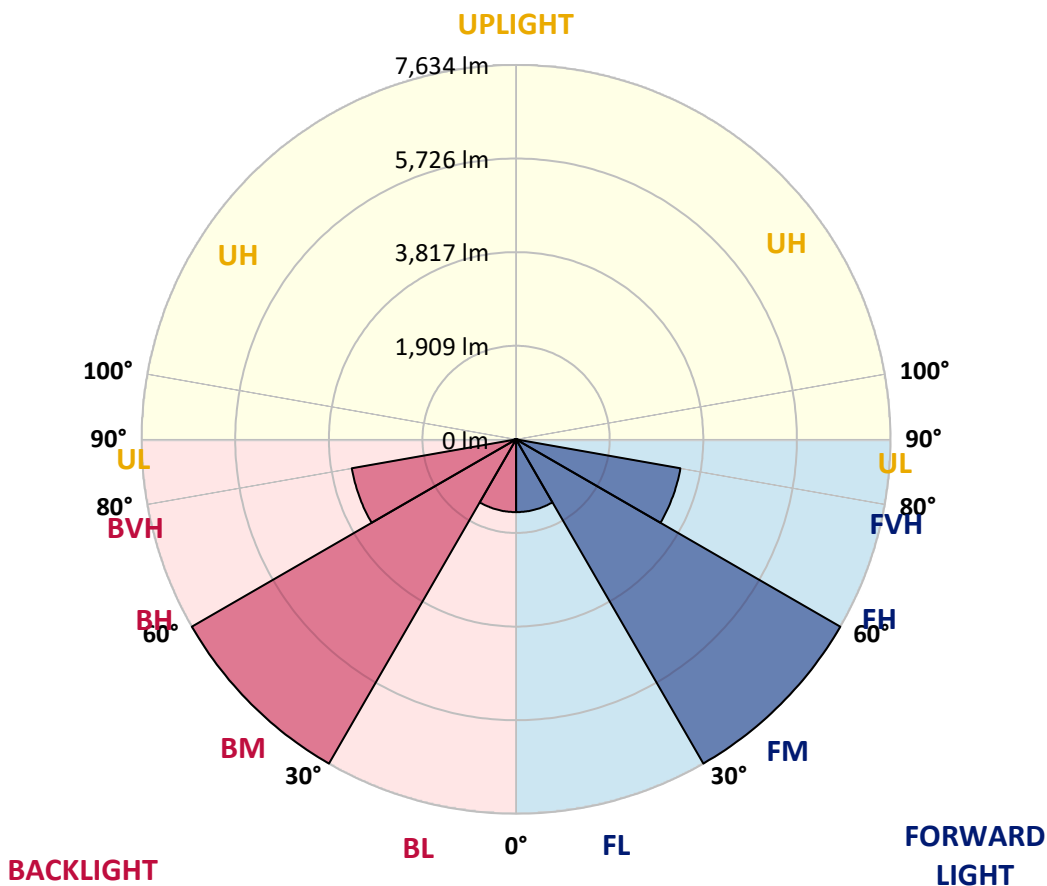
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1483.9	5.9			
FM (30°-60°)	7634.1	30.4			
FH (60°-80°)	3402.0	13.5			G2/5000
FVH (80°-90°)	35.0	0.1			G1/100
BL (0°-30°)	1483.9	5.9	B3/2500		
BM (30°-60°)	7634.1	30.4	B4/8500		
BH (60°-80°)	3402.0	13.5	B4/5000		G2/5000
BVH (80°-90°)	35.0	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2929.4	2929.4	2929.4	2929.4	2929.4	2929.4	2929.4	2929.4	2929.4	2929.4	2929.4
2.5°	2926.0	2926.0	2932.9	2938.1	2934.6	2948.4	2946.7	2943.2	2941.5	2936.3	2951.8
5°	2965.6	2965.6	2970.8	2975.9	2967.3	2984.6	2977.7	2974.2	2972.5	2965.6	2979.4
7.5°	3010.4	3015.6	3017.3	3025.9	3020.7	3039.7	3034.5	3027.6	3024.2	3015.6	3027.6
10°	3060.3	3063.8	3065.5	3081.0	3082.7	3105.1	3099.9	3091.3	3084.4	3075.8	3093.1
12.5°	3127.5	3129.2	3134.4	3153.3	3158.5	3175.7	3174.0	3161.9	3153.3	3141.3	3160.2
15°	3213.6	3215.3	3223.9	3242.9	3251.5	3272.2	3265.3	3246.3	3234.3	3220.5	3236.0
17.5°	3303.2	3310.0	3318.7	3337.6	3349.7	3373.8	3365.2	3344.5	3334.2	3320.4	3330.7
20°	3418.5	3420.3	3425.4	3446.1	3454.7	3482.3	3484.0	3463.3	3458.2	3444.4	3459.9
22.5°	3546.0	3547.7	3552.9	3575.3	3590.8	3608.0	3618.3	3606.3	3597.7	3580.4	3599.4
25°	3687.2	3704.4	3709.6	3737.2	3754.4	3764.7	3776.8	3771.6	3759.5	3738.9	3747.5
27.5°	3885.3	3888.7	3897.3	3928.3	3938.6	3949.0	3961.0	3962.8	3945.5	3921.4	3933.5
30°	4110.9	4109.1	4128.1	4152.2	4160.8	4169.4	4186.6	4197.0	4174.6	4148.8	4160.8
32.5°	4341.6	4362.3	4386.4	4408.8	4403.6	4407.1	4434.6	4453.6	4422.6	4376.1	4386.4
35°	4601.7	4615.5	4646.5	4679.2	4672.3	4667.1	4684.4	4703.3	4660.2	4600.0	4615.5
37.5°	4868.6	4889.3	4935.8	4975.4	4965.1	4941.0	4959.9	4980.6	4939.2	4870.4	4863.5
40°	5166.6	5199.3	5266.5	5299.2	5271.6	5225.1	5257.8	5307.8	5266.5	5187.2	5168.3
42.5°	5516.2	5555.8	5622.9	5672.9	5612.6	5536.8	5591.9	5664.3	5653.9	5548.9	5516.2
45°	5948.4	5974.3	6056.9	6081.0	5991.5	5886.4	5986.3	6096.5	6070.7	5957.1	5914.0
47.5°	6418.6	6458.2	6530.5	6575.3	6430.7	6299.8	6439.3	6587.4	6559.8	6453.0	6403.1
50°	7017.9	7069.6	7164.3	7202.2	7002.4	6852.6	7031.7	7219.4	7166.0	7023.1	6957.6
52.5°	7670.6	7712.0	7873.8	7949.6	7761.9	7600.0	7756.7	7941.0	7827.3	7637.9	7550.1
55°	8245.8	8287.2	8524.8	8776.3	8767.7	8655.7	8734.9	8738.4	8430.1	8116.7	8023.7
57.5°	8369.8	8411.2	8864.1	9522.0	9987.0	10116.1	9883.6	9394.5	8617.8	8068.5	7963.4
60°	7708.5	7755.0	8474.9	9677.0	11206.3	12069.1	10997.9	9380.8	8037.5	7293.5	7193.6
62.5°	5972.6	6022.5	6990.4	8795.2	11698.8	14023.8	11321.7	8393.9	6611.5	5669.4	5581.6
65°	2851.9	2851.9	4081.6	6308.4	10717.2	13977.3	10384.8	6210.2	3980.0	3056.9	2981.1
67.5°	706.1	709.5	1050.5	2455.8	7290.0	11154.6	7408.9	2981.1	1401.9	992.0	966.1
70°	440.9	439.2	487.4	664.8	2550.6	6769.9	3029.3	899.0	570.0	502.9	499.4
72.5°	342.7	342.7	366.8	425.4	668.2	2306.0	883.5	499.4	413.3	372.0	372.0
75°	270.4	270.4	287.6	318.6	394.4	594.2	470.2	370.3	320.3	292.8	289.3
77.5°	201.5	204.9	218.7	239.4	268.7	334.1	297.9	279.0	249.7	229.1	222.2
80°	130.9	136.1	153.3	165.3	175.7	220.4	194.6	203.2	189.4	165.3	161.9
82.5°	70.6	72.3	93.0	96.4	99.9	120.6	124.0	129.2	134.3	105.1	98.2
85°	25.8	25.8	31.0	36.2	39.6	43.1	58.6	72.3	75.8	60.3	58.6
87.5°	5.2	5.2	5.2	3.4	3.4	3.4	10.3	18.9	31.0	24.1	24.1
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)