

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: P640771

Luminaire Tested: GWS-SA5E-750-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5E-750-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38930.8 lumens
Efficiency: N/A
Efficacy: 144.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

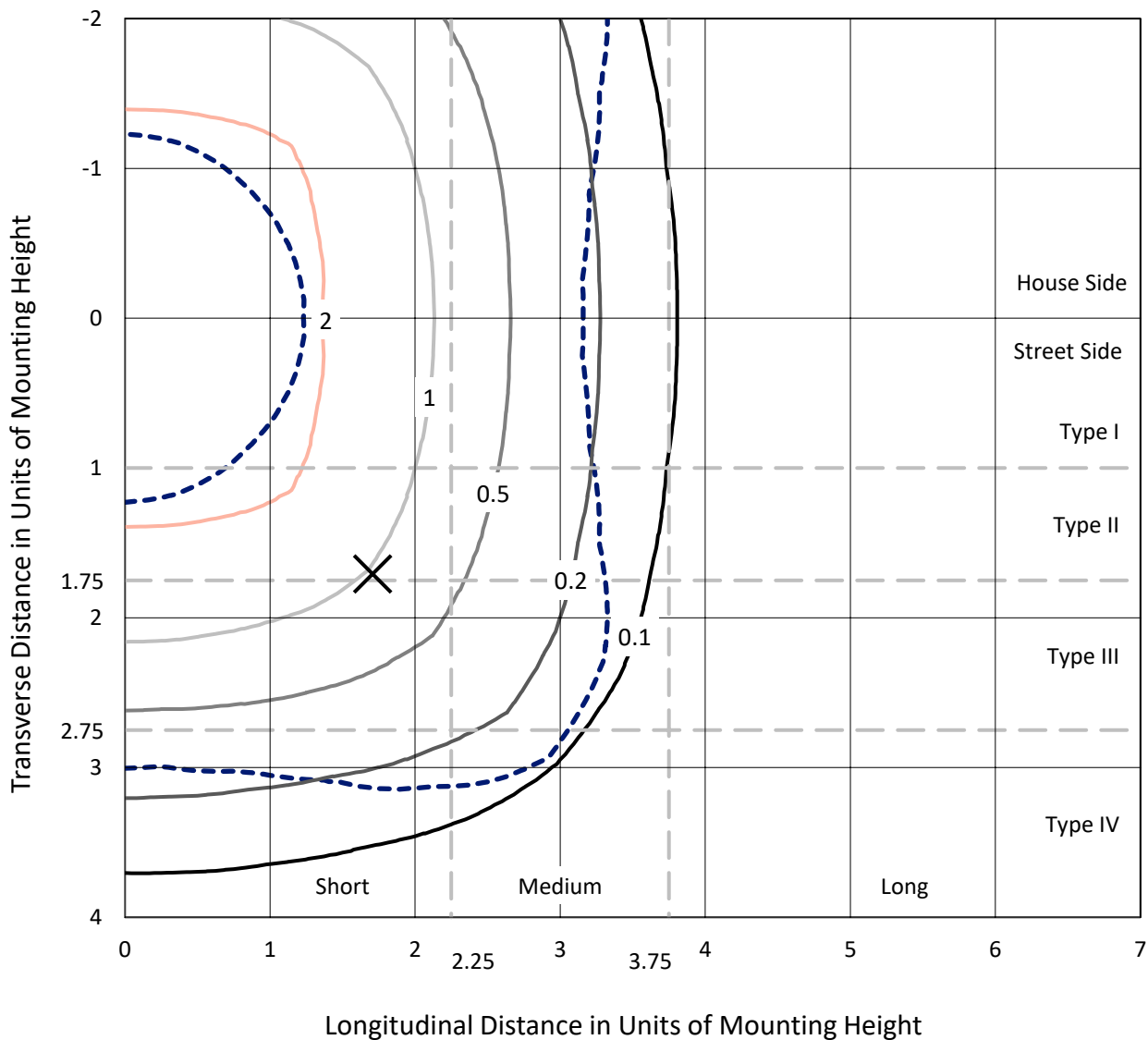
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

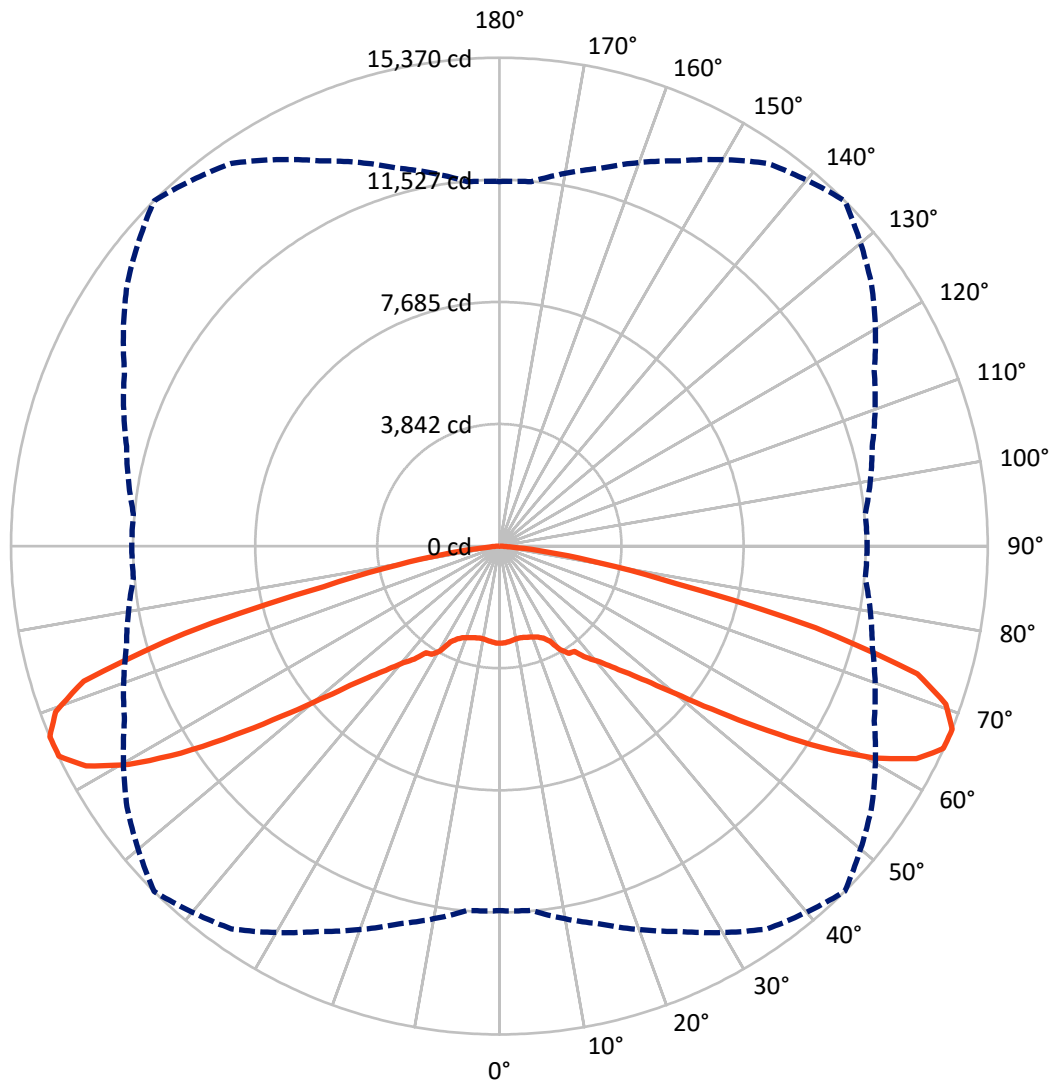
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19465.4	0.0	19465.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19465.4	0.0	19465.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	38930.8	0.0	38930.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.6	0.7
10°-20°	850.7	2.2
20°-30°	1526.0	3.9
30°-40°	2577.8	6.6
40°-50°	4529.1	11.6
50°-60°	8736.9	22.4
60°-70°	12676.1	32.6
70°-80°	7252.7	18.6
80°-90°	495.0	1.3
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°	38930.8	100.0
0°-180°	38930.8	100.0

Coefficient of Utilization



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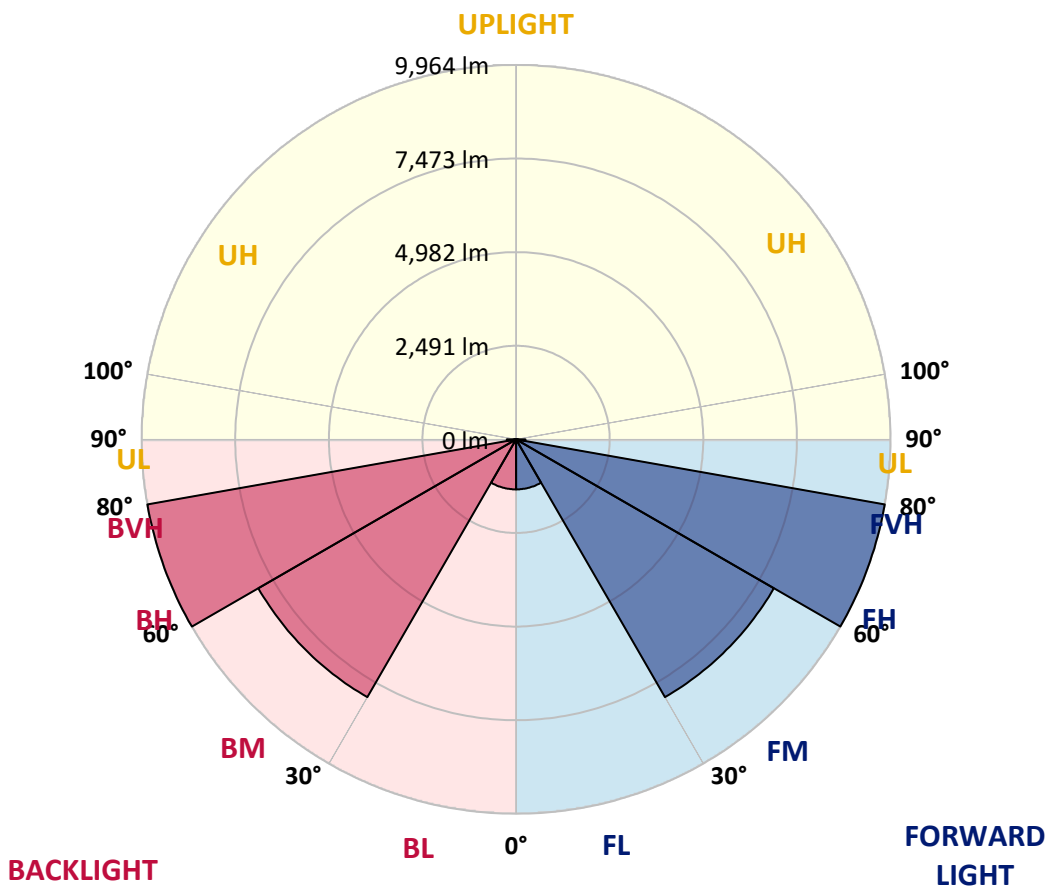
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1331.6	3.4			
FM (30°-60°)	7921.9	20.3			
FH (60°-80°)	9964.4	25.6			G4/12000
FVH (80°-90°)	247.5	0.6			G3/500
BL (0°-30°)	1331.6	3.4	B3/2500		
BM (30°-60°)	7921.9	20.3	B4/8500		
BH (60°-80°)	9964.4	25.6	B5		G4/12000
BVH (80°-90°)	247.5	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3053.0	3053.0	3053.0	3053.0	3053.0	3053.0	3053.0	3053.0	3053.0	3053.0	3053.0
2.5°	3028.2	3030.9	3036.5	3036.5	3042.0	3050.2	3053.0	3047.5	3050.2	3036.5	3050.2
5°	3019.9	3022.7	3025.4	3019.9	3019.9	3022.7	3022.7	3017.2	3019.9	3006.2	3019.9
7.5°	3000.7	3003.4	3003.4	2995.2	2986.9	2992.4	2992.4	2986.9	2989.7	2975.9	2992.4
10°	2984.1	2984.1	2981.4	2964.9	2956.6	2964.9	2967.6	2970.4	2981.4	2970.4	2989.7
12.5°	2995.2	2995.2	2986.9	2964.9	2951.1	2956.6	2962.1	2967.6	2986.9	2984.1	3006.2
15°	3025.4	3028.2	3006.2	2981.4	2973.1	2981.4	2975.9	2973.1	2997.9	3006.2	3030.9
17.5°	3050.2	3050.2	3022.7	2997.9	3000.7	3014.4	3003.4	2989.7	3014.4	3030.9	3058.5
20°	3072.2	3069.5	3039.2	3022.7	3033.7	3053.0	3044.7	3025.4	3042.0	3061.2	3086.0
22.5°	3127.3	3124.5	3091.5	3083.3	3094.3	3113.5	3105.3	3088.8	3108.0	3135.6	3165.8
25°	3284.2	3278.7	3229.2	3201.6	3196.1	3209.9	3207.1	3201.6	3231.9	3264.9	3300.7
27.5°	3493.4	3490.7	3454.9	3427.4	3391.6	3380.6	3388.8	3413.6	3457.6	3482.4	3512.7
30°	3598.0	3598.0	3592.5	3636.6	3713.7	3788.0	3730.2	3636.6	3598.0	3587.0	3617.3
32.5°	3735.7	3749.5	3730.2	3779.7	3909.1	4019.2	3909.1	3757.7	3730.2	3730.2	3763.2
35°	4052.3	4057.8	4027.5	4019.2	4060.5	4074.3	4022.0	3966.9	3997.2	4002.7	4044.0
37.5°	4305.5	4305.5	4291.8	4313.8	4399.1	4451.4	4366.1	4267.0	4275.3	4280.8	4333.1
40°	4696.5	4707.5	4674.4	4671.7	4704.7	4751.5	4660.7	4597.3	4641.4	4655.2	4735.0
42.5°	5183.7	5183.7	5134.2	5120.4	5142.4	5192.0	5106.6	5065.3	5123.2	5134.2	5181.0
45°	5764.6	5778.3	5712.3	5687.5	5698.5	5715.0	5654.5	5635.2	5690.3	5715.0	5797.6
47.5°	6472.1	6485.8	6428.0	6425.3	6414.3	6425.3	6367.5	6356.5	6400.5	6381.2	6469.3
50°	7344.7	7369.5	7320.0	7388.8	7380.5	7413.6	7333.7	7275.9	7275.9	7223.6	7273.2
52.5°	8322.0	8371.6	8396.4	8512.0	8600.1	8682.7	8550.5	8459.7	8327.5	8220.2	8355.1
55°	9387.4	9373.6	9530.6	9783.8	10042.6	10238.0	9979.3	9693.0	9478.2	9255.3	9307.6
57.5°	10320.6	10367.4	10573.9	11036.4	11548.4	11961.4	11496.1	10945.5	10458.3	10138.9	10183.0
60°	11097.0	11135.5	11410.8	12077.0	12971.7	13541.5	12803.8	11895.3	11187.8	10747.3	10794.1
62.5°	11812.7	11848.5	12126.5	12861.6	13990.3	14733.5	13781.0	12539.5	11752.1	11308.9	11336.5
65°	12225.6	12247.7	12627.6	13401.1	14590.4	15358.4	14284.8	13004.7	12231.1	11779.7	11796.2
67.5°	11474.1	11509.9	12311.0	13379.1	14706.0	15369.5	14306.8	13018.5	12148.6	11559.4	11573.2
70°	9051.5	9021.3	9976.5	11812.7	14042.6	14907.0	13670.9	12041.2	10697.8	9874.7	9860.9
72.5°	6901.5	6909.8	7441.1	8699.2	11449.3	13756.3	12063.2	9695.7	8247.7	7622.8	7598.0
75°	5004.8	5081.9	5514.1	6436.3	8008.2	10282.1	9081.8	7185.1	6216.1	5841.7	5786.6
77.5°	2254.6	2353.7	2956.6	4041.3	5354.4	5682.0	5704.0	4878.1	3680.6	3058.5	2962.1
80°	657.9	704.7	905.7	1549.9	2494.1	3223.6	2560.2	2152.8	1340.7	1051.6	1002.1
82.5°	278.0	316.6	388.2	429.5	724.0	1494.8	930.5	591.9	550.6	446.0	407.4
85°	118.4	126.6	162.4	173.4	234.0	319.3	294.6	267.0	256.0	198.2	181.7
87.5°	49.6	49.6	49.6	44.0	41.3	44.0	60.6	77.1	101.9	79.8	74.3
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)