

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: P637798

Luminaire Tested: GWS-SA4D-750-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637798
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-SA4D-750-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26182.4 lumens
Efficiency: N/A
Efficacy: 161.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

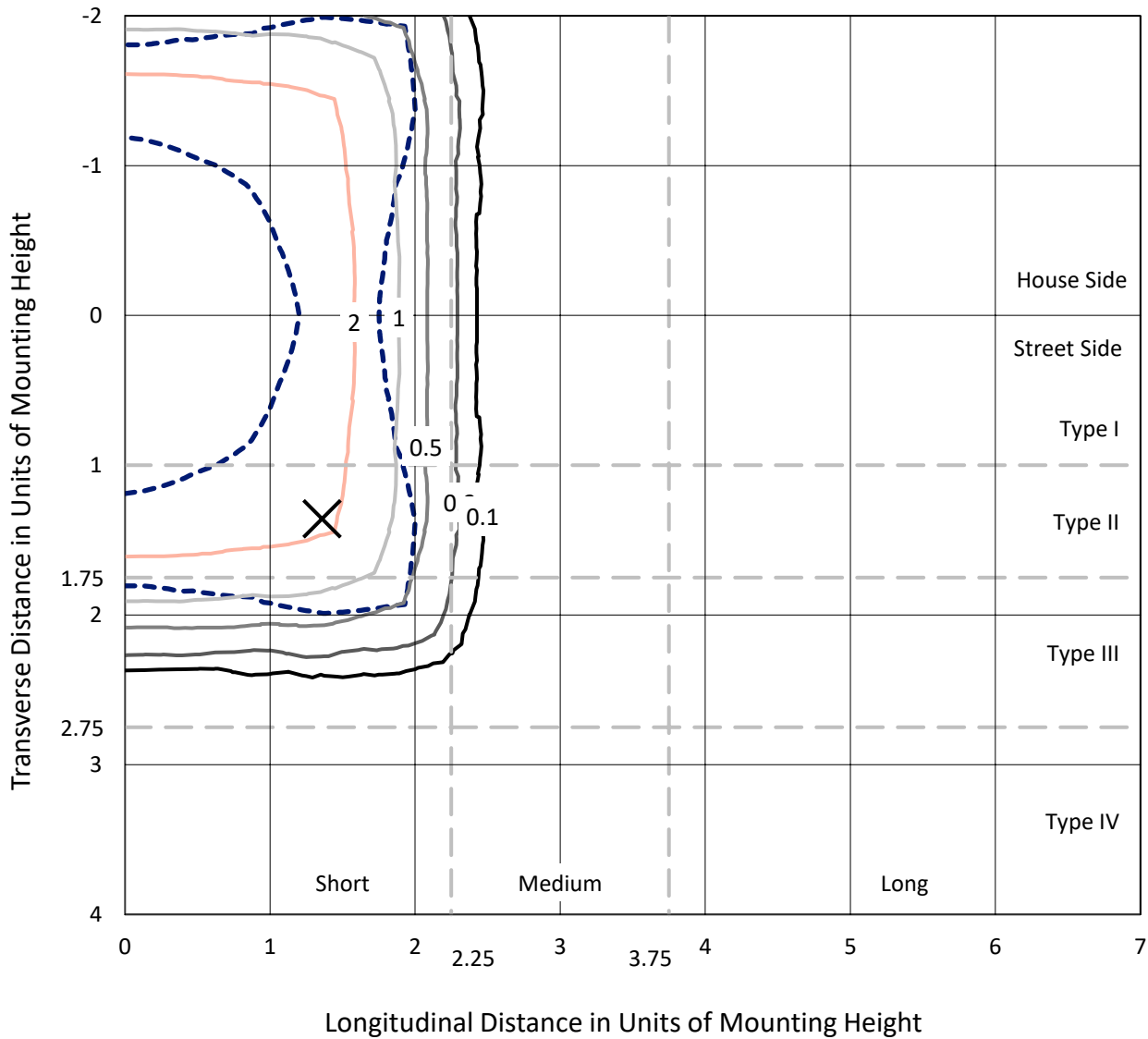
Input Watts (W): 162.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

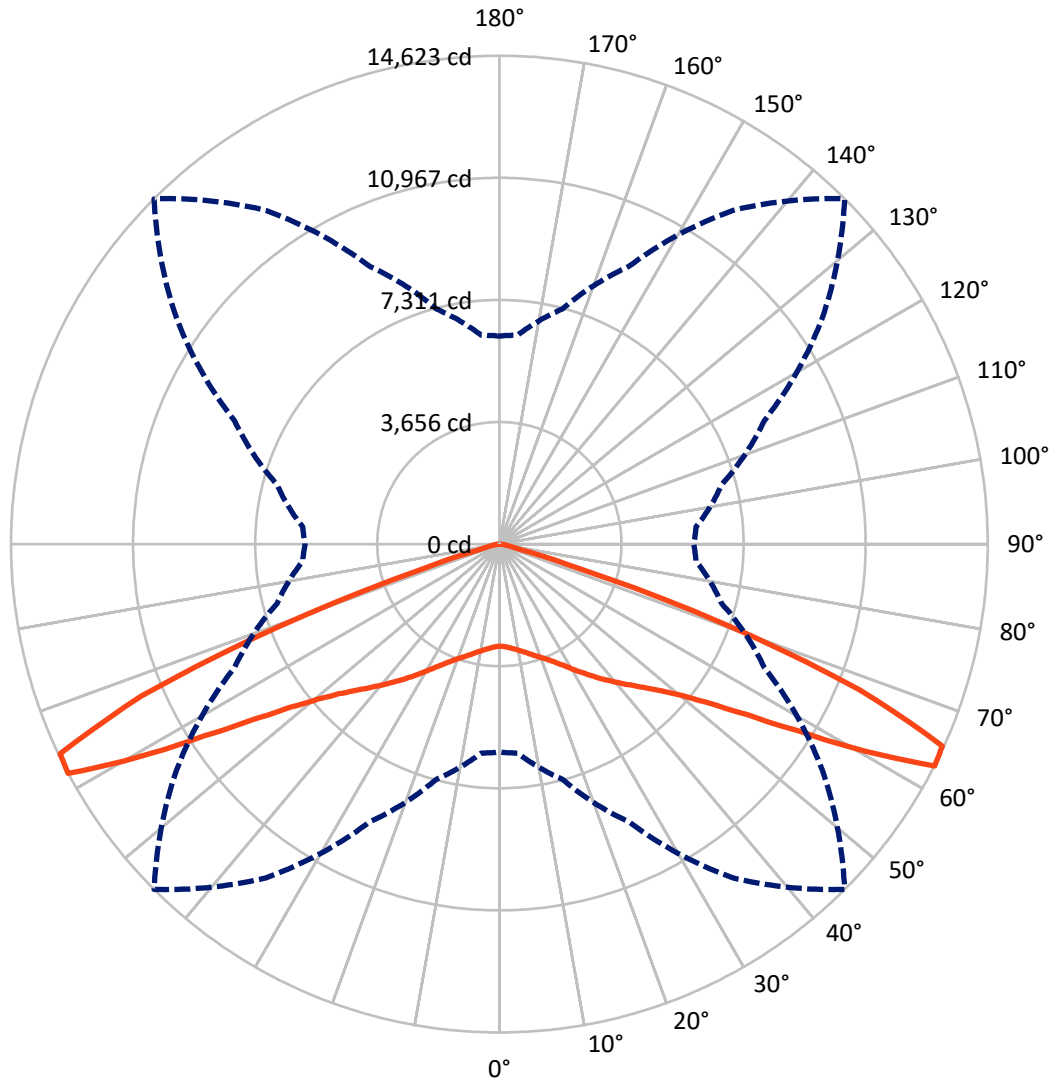
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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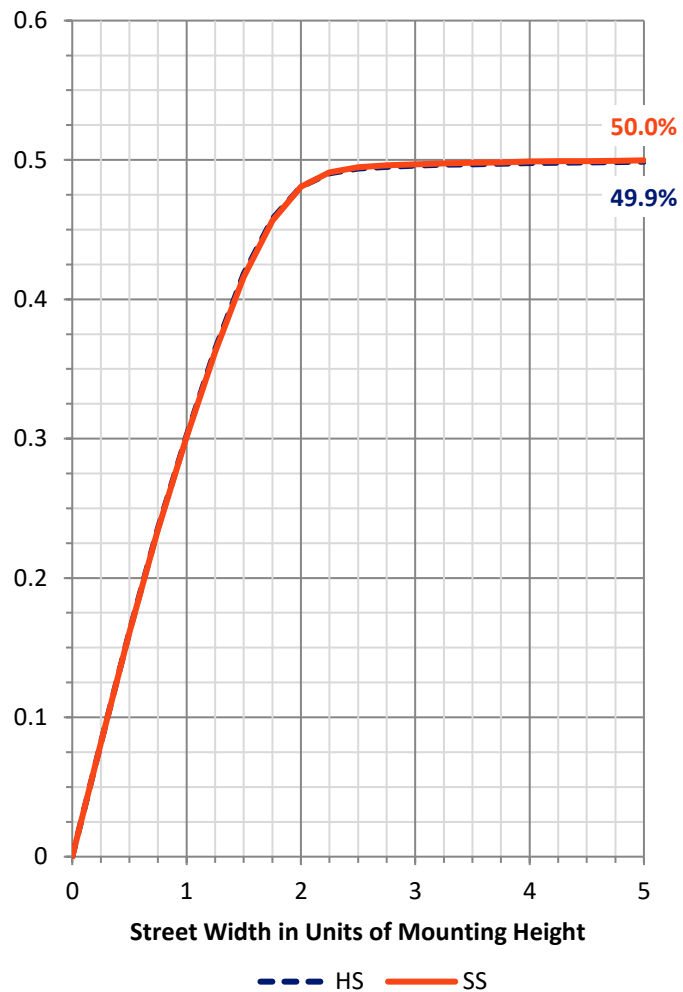
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13091.2	0.0	13091.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13091.2	0.0	13091.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	26182.4	0.0	26182.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.7	1.1
10°-20°	966.5	3.7
20°-30°	1828.4	7.0
30°-40°	3077.5	11.8
40°-50°	4916.9	18.8
50°-60°	7925.8	30.3
60°-70°	6466.6	24.7
70°-80°	628.0	2.4
80°-90°	73.1	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°	26182.4	100.0
0°-180°	26182.4	100.0

Coefficient of Utilization



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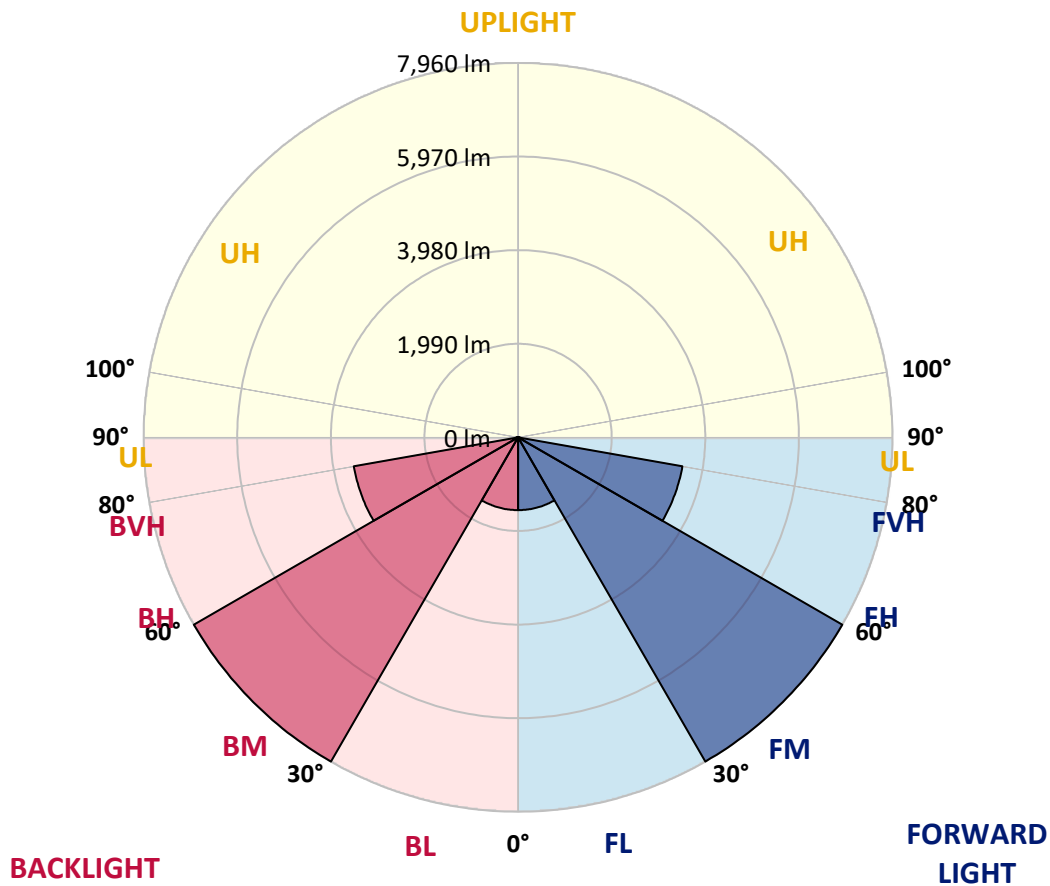
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1547.3	5.9			
FM (30°-60°)	7960.1	30.4			
FH (60°-80°)	3547.3	13.5			G2/5000
FVH (80°-90°)	36.5	0.1			G1/100
BL (0°-30°)	1547.3	5.9	B3/2500		
BM (30°-60°)	7960.1	30.4	B4/8500		
BH (60°-80°)	3547.3	13.5	B4/5000		G2/5000
BVH (80°-90°)	36.5	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3054.5	3054.5	3054.5	3054.5	3054.5	3054.5	3054.5	3054.5	3054.5	3054.5	3054.5
2.5°	3050.9	3050.9	3058.1	3063.5	3059.9	3074.3	3072.5	3068.9	3067.1	3061.7	3077.9
5°	3092.2	3092.2	3097.6	3103.0	3094.0	3112.0	3104.8	3101.2	3099.4	3092.2	3106.6
7.5°	3138.9	3144.3	3146.1	3155.1	3149.7	3169.5	3164.1	3156.9	3153.3	3144.3	3156.9
10°	3191.0	3194.6	3196.4	3212.6	3214.3	3237.7	3232.3	3223.3	3216.1	3207.2	3225.1
12.5°	3261.0	3262.8	3268.2	3288.0	3293.4	3311.3	3309.5	3297.0	3288.0	3275.4	3295.2
15°	3350.8	3352.6	3361.6	3381.4	3390.3	3411.9	3404.7	3384.9	3372.4	3358.0	3374.2
17.5°	3444.2	3451.4	3460.4	3480.1	3492.7	3517.8	3508.8	3487.3	3476.5	3462.2	3472.9
20°	3564.5	3566.3	3571.7	3593.2	3602.2	3631.0	3632.8	3611.2	3605.8	3591.5	3607.6
22.5°	3697.4	3699.2	3704.6	3727.9	3744.1	3762.0	3772.8	3760.3	3751.3	3733.3	3753.1
25°	3844.6	3862.6	3868.0	3896.7	3914.7	3925.5	3938.0	3932.6	3920.1	3898.5	3907.5
27.5°	4051.2	4054.7	4063.7	4096.1	4106.8	4117.6	4130.2	4132.0	4114.0	4088.9	4101.4
30°	4286.4	4284.6	4304.4	4329.5	4338.5	4347.5	4365.4	4376.2	4352.8	4325.9	4338.5
32.5°	4527.0	4548.6	4573.7	4597.1	4591.7	4595.3	4624.0	4643.7	4611.4	4562.9	4573.7
35°	4798.2	4812.5	4844.9	4879.0	4871.8	4866.4	4884.4	4904.1	4859.2	4796.4	4812.5
37.5°	5076.5	5098.1	5146.6	5187.9	5177.1	5151.9	5171.7	5193.2	5150.1	5078.3	5071.1
40°	5387.2	5421.3	5491.3	5525.4	5496.7	5448.2	5482.4	5534.4	5491.3	5408.7	5389.0
42.5°	5751.7	5793.0	5863.0	5915.1	5852.3	5773.3	5830.7	5906.1	5895.4	5785.8	5751.7
45°	6202.4	6229.4	6315.6	6340.7	6247.3	6137.8	6241.9	6356.9	6329.9	6211.4	6166.5
47.5°	6692.7	6734.0	6809.4	6856.1	6705.2	6568.8	6714.2	6868.7	6839.9	6728.6	6676.5
50°	7317.6	7371.5	7470.2	7509.7	7301.4	7145.2	7331.9	7527.7	7472.0	7323.0	7254.7
52.5°	7998.2	8041.3	8210.1	8289.1	8093.3	7924.5	8088.0	8280.1	8161.6	7964.0	7872.5
55°	8597.9	8641.0	8888.8	9151.0	9142.0	9025.3	9107.9	9111.5	8790.1	8463.3	8366.3
57.5°	8727.2	8770.3	9242.6	9928.6	10413.4	10548.1	10305.7	9795.7	8985.8	8413.0	8303.4
60°	8037.7	8086.2	8836.8	10090.2	11684.8	12584.4	11467.5	9781.3	8380.7	7604.9	7500.7
62.5°	6227.6	6279.7	7288.9	9170.8	12198.4	14622.6	11805.1	8752.4	6893.8	5911.5	5819.9
65°	2973.7	2973.7	4255.9	6577.7	11174.8	14574.1	10828.2	6475.4	4149.9	3187.4	3108.4
67.5°	736.2	739.8	1095.4	2560.7	7601.3	11630.9	7725.2	3108.4	1461.7	1034.3	1007.4
70°	459.7	457.9	508.2	693.2	2659.5	7059.0	3158.7	937.4	594.4	524.4	520.8
72.5°	357.3	357.3	382.5	443.5	696.7	2404.5	921.2	520.8	431.0	387.9	387.9
75°	281.9	281.9	299.9	332.2	411.2	619.5	490.2	386.1	334.0	305.3	301.7
77.5°	210.1	213.7	228.1	249.6	280.1	348.4	310.7	290.9	260.4	238.8	231.6
80°	136.5	141.9	159.8	172.4	183.2	229.9	202.9	211.9	197.5	172.4	168.8
82.5°	73.6	75.4	97.0	100.6	104.2	125.7	129.3	134.7	140.1	109.5	102.4
85°	26.9	26.9	32.3	37.7	41.3	44.9	61.1	75.4	79.0	62.9	61.1
87.5°	5.4	5.4	5.4	3.6	3.6	3.6	10.8	19.8	32.3	25.1	25.1
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)