

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: P637632

Luminaire Tested: GWS-SA4D-730-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637632
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4D-730-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (64) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20216.2 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

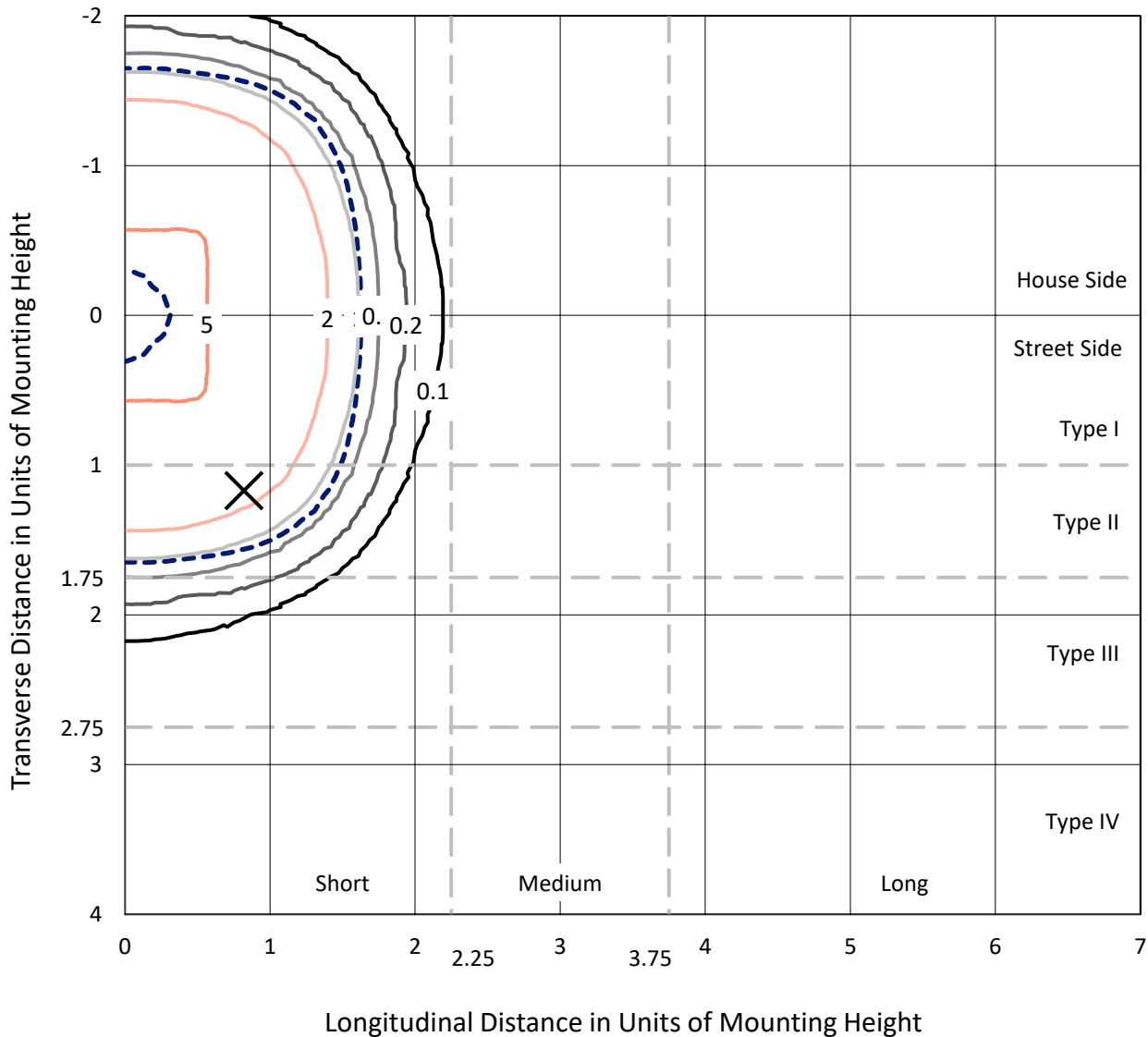
Input Watts (W): 162.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

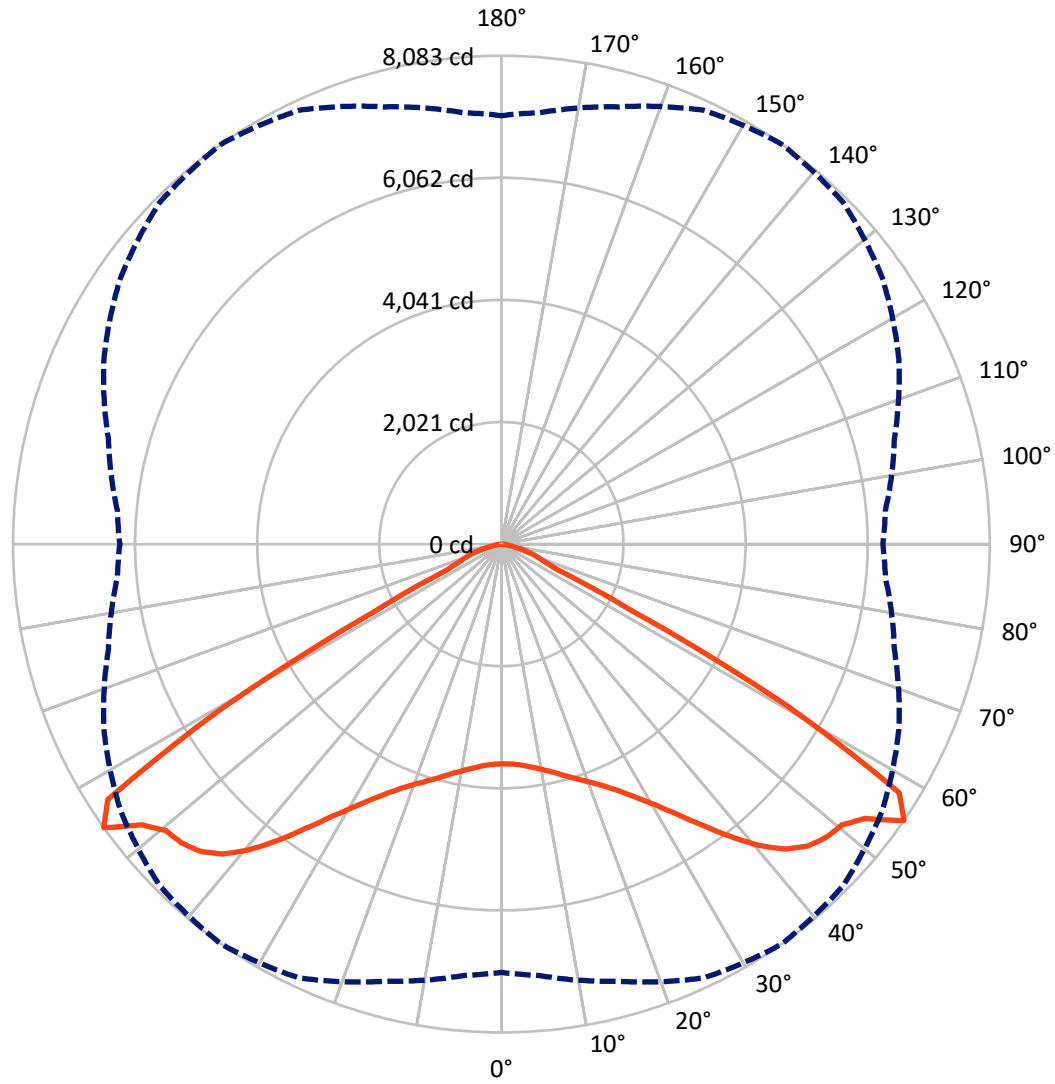
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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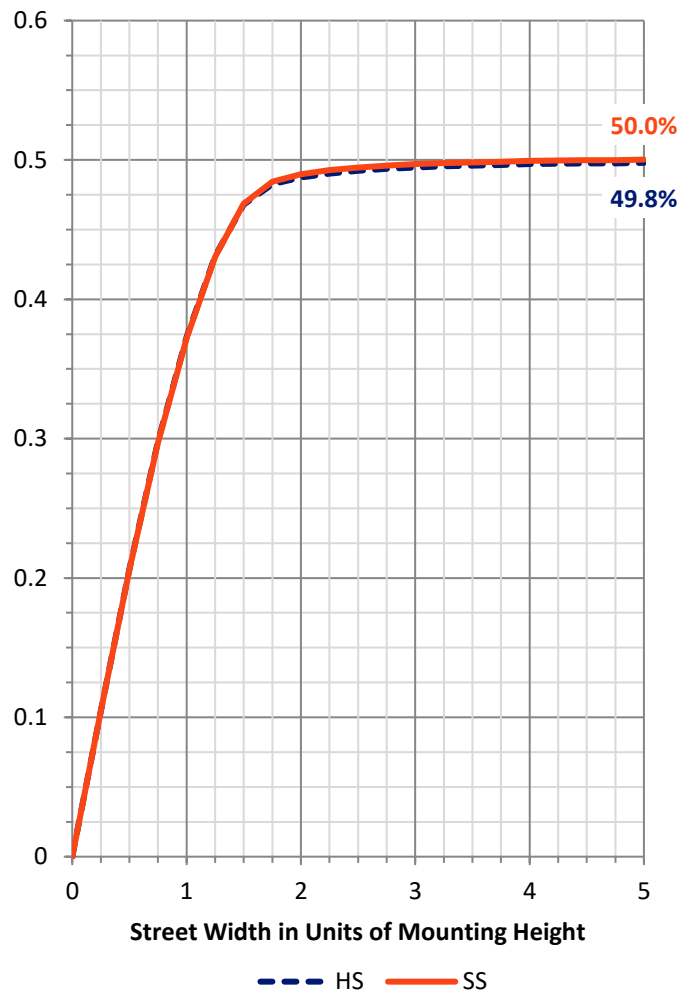
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10108.1	0.0	10108.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10108.1	0.0	10108.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	20216.2	0.0	20216.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.7	1.8
10°-20°	1129.4	5.6
20°-30°	2090.3	10.3
30°-40°	3496.7	17.3
40°-50°	5328.3	26.4
50°-60°	5968.9	29.5
60°-70°	1412.3	7.0
70°-80°	380.8	1.9
80°-90°	54.8	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°	20216.2	100.0
0°-180°	20216.2	100.0

Coefficient of Utilization



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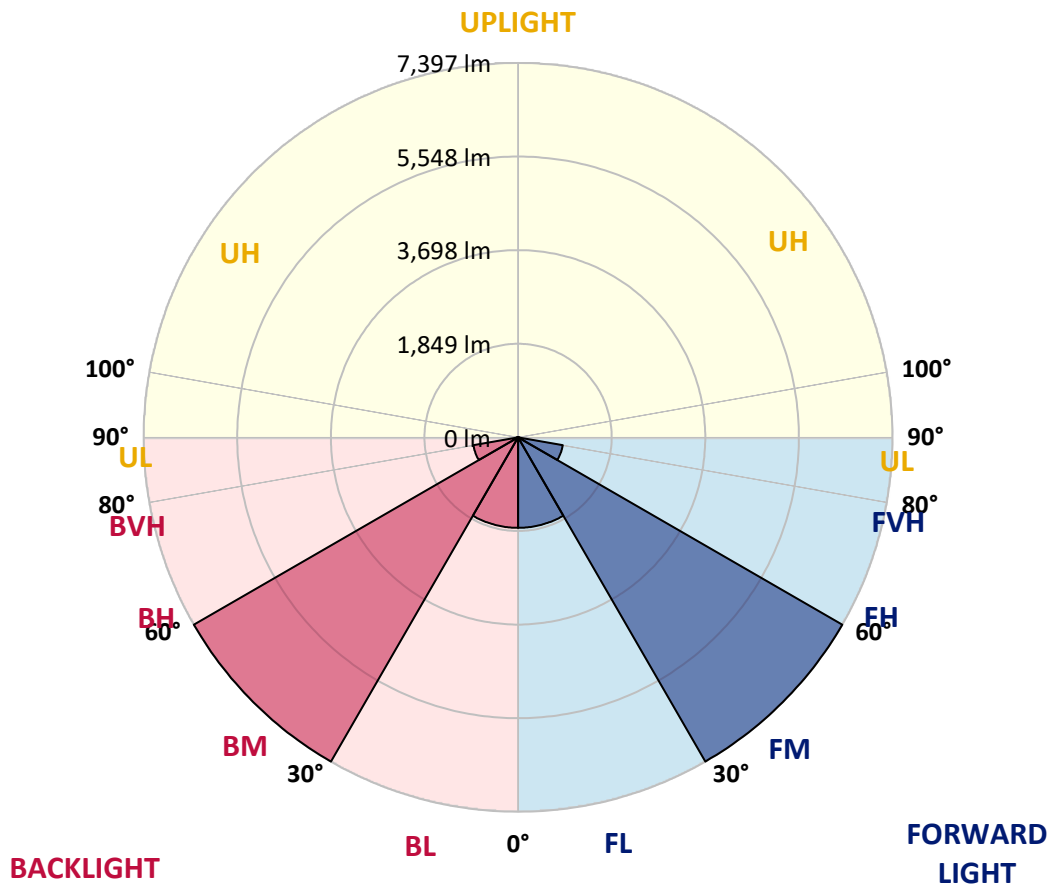
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1787.2	8.8			
FM (30°-60°)	7396.9	36.6			
FH (60°-80°)	896.5	4.4			G1/1800
FVH (80°-90°)	27.4	0.1			G1/100
BL (0°-30°)	1787.2	8.8	B3/2500		
BM (30°-60°)	7396.9	36.6	B4/8500		
BH (60°-80°)	896.5	4.4	B2/1000		G1/1800
BVH (80°-90°)	27.4	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3636.9	3636.9	3636.9	3636.9	3636.9	3636.9	3636.9	3636.9	3636.9	3636.9	3636.9
2.5°	3629.0	3629.0	3635.3	3643.3	3644.9	3660.9	3657.7	3651.3	3648.1	3641.7	3656.1
5°	3668.9	3670.5	3675.3	3680.1	3676.9	3689.7	3684.9	3676.9	3672.1	3664.1	3678.5
7.5°	3721.7	3721.7	3726.5	3732.9	3729.7	3748.9	3739.3	3728.1	3720.1	3710.5	3723.3
10°	3769.6	3772.8	3777.6	3790.4	3796.8	3817.6	3811.2	3795.2	3782.4	3771.2	3785.6
12.5°	3841.6	3844.8	3849.6	3867.2	3878.3	3899.1	3889.5	3867.2	3848.0	3832.0	3848.0
15°	3934.3	3931.1	3943.9	3966.3	3980.7	3999.8	3988.7	3950.3	3924.7	3903.9	3919.9
17.5°	4028.6	4027.0	4039.8	4068.6	4089.4	4114.9	4095.8	4051.0	4023.8	3998.2	4014.2
20°	4130.9	4135.7	4148.5	4175.7	4206.1	4239.6	4223.7	4175.7	4145.3	4116.5	4129.3
22.5°	4257.2	4258.8	4273.2	4308.4	4348.4	4380.3	4370.7	4311.6	4273.2	4242.8	4258.8
25°	4409.1	4407.5	4426.7	4468.3	4524.2	4556.2	4535.4	4469.8	4428.3	4393.1	4405.9
27.5°	4583.4	4581.8	4610.5	4664.9	4744.8	4789.6	4746.4	4664.9	4607.3	4557.8	4569.0
30°	4802.4	4797.6	4829.5	4903.1	5007.0	5082.1	5018.2	4904.7	4829.5	4776.8	4788.0
32.5°	5045.4	5051.8	5091.7	5190.8	5321.9	5419.5	5323.5	5197.2	5096.5	5019.8	5032.6
35°	5312.3	5312.3	5393.9	5517.0	5704.0	5833.5	5684.8	5502.6	5368.3	5262.8	5266.0
37.5°	5609.7	5612.9	5720.0	5889.5	6134.1	6285.9	6084.5	5859.1	5696.0	5582.5	5576.1
40°	5972.6	5982.2	6092.5	6281.1	6556.1	6695.2	6479.4	6258.7	6092.5	5958.2	5945.4
42.5°	6381.8	6385.0	6501.7	6671.2	6903.0	6986.1	6816.7	6636.0	6500.1	6378.6	6365.9
45°	6771.9	6763.9	6864.6	6990.9	7125.2	7133.2	7038.9	6965.4	6847.1	6743.1	6724.0
47.5°	7075.7	7069.3	7160.4	7229.1	7245.1	7166.8	7197.2	7208.4	7070.9	6930.2	6893.4
50°	7261.1	7273.9	7360.2	7398.6	7304.3	7176.4	7291.5	7262.7	7066.1	6882.2	6823.1
52.5°	7373.0	7392.2	7542.5	7640.0	7542.5	7421.0	7437.0	7267.5	6984.5	6741.5	6664.8
55°	7090.1	7166.8	7491.3	7923.0	8082.8	7998.1	7694.3	7257.9	6733.6	6380.2	6314.7
57.5°	5254.8	5376.3	5857.5	6792.7	7764.7	8073.2	7186.0	6084.5	5290.0	4835.9	4797.6
60°	2682.5	2818.4	3203.7	4164.5	5414.7	5849.5	5005.4	3895.9	3096.6	2728.9	2687.3
62.5°	1095.1	1117.5	1243.8	1614.6	2393.2	2760.9	2425.2	1702.6	1278.9	1178.2	1179.8
65°	861.7	866.5	860.1	882.5	1002.4	1112.7	1027.9	903.2	880.9	892.1	884.1
67.5°	751.4	753.0	748.2	748.2	753.0	748.2	757.8	762.6	765.8	778.5	770.6
70°	628.3	629.9	629.9	633.1	631.5	623.5	637.9	644.3	645.9	653.9	649.1
72.5°	486.0	490.8	494.0	495.6	494.0	489.2	497.2	508.4	506.8	514.8	506.8
75°	329.3	335.7	338.9	345.3	343.7	343.7	353.3	358.1	353.3	359.7	353.3
77.5°	187.0	191.8	201.4	207.8	214.2	219.0	225.4	228.6	227.0	230.2	227.0
80°	108.7	110.3	118.3	121.5	129.5	137.5	143.9	147.1	148.7	150.3	148.7
82.5°	62.3	63.9	67.1	70.3	76.7	83.1	89.5	94.3	94.3	95.9	94.3
85°	30.4	30.4	32.0	33.6	36.8	41.6	46.4	51.2	52.8	52.8	52.8
87.5°	4.8	4.8	6.4	6.4	8.0	9.6	12.8	16.0	17.6	17.6	17.6
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)