

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: P637629

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637629
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4D-730-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM 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: 19525.6 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

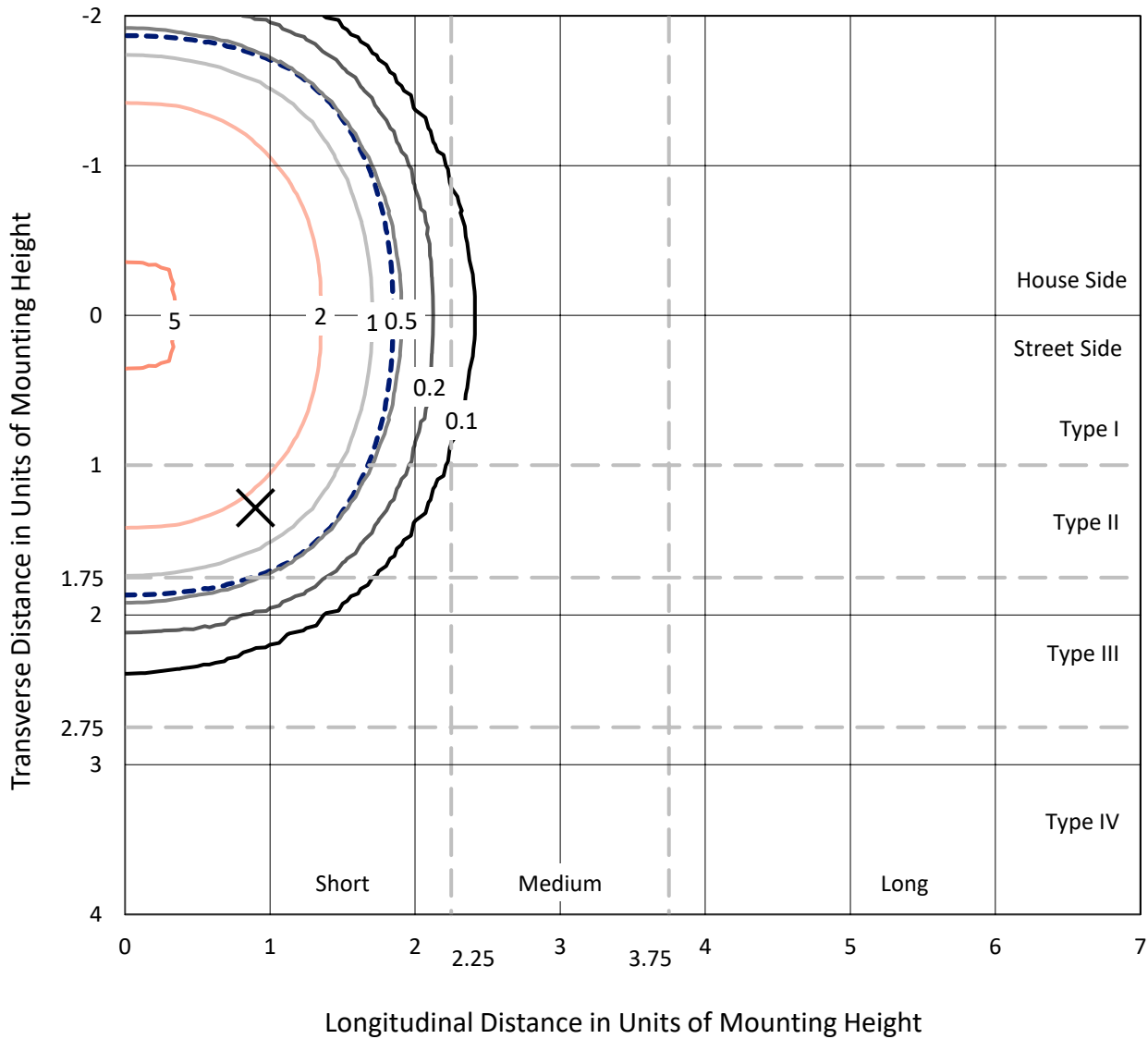
Input Watts (W): 162.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

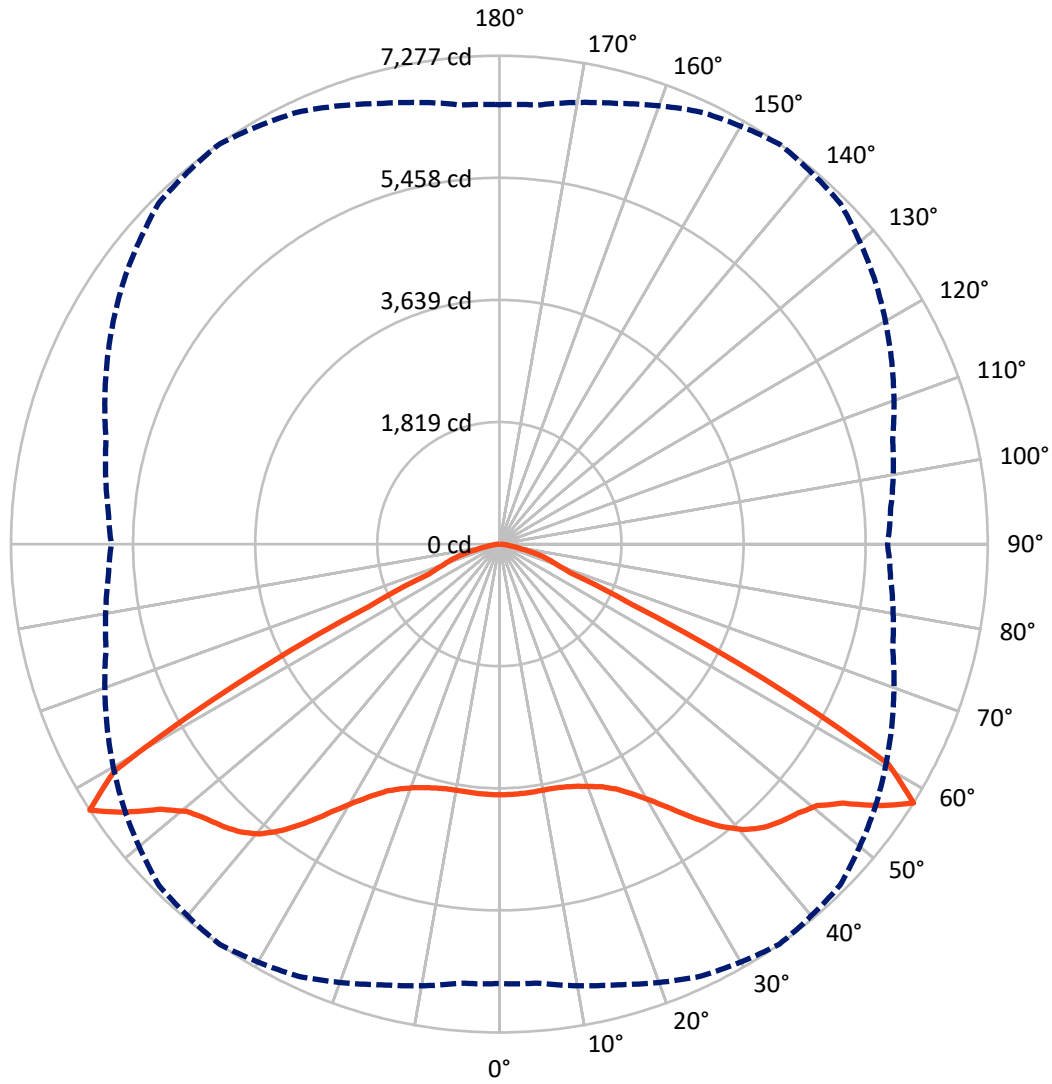
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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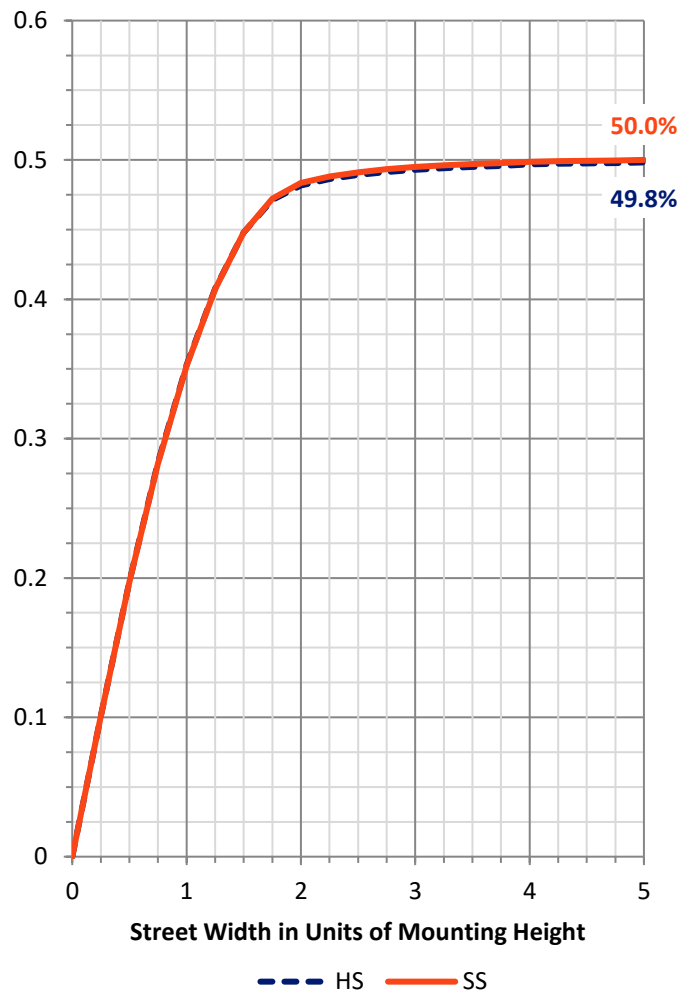
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9762.8	0.0	9762.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9762.8	0.0	9762.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	19525.6	0.0	19525.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.4	1.8
10°-20°	1060.4	5.4
20°-30°	1850.2	9.5
30°-40°	3033.9	15.5
40°-50°	4468.2	22.9
50°-60°	5702.2	29.2
60°-70°	2403.2	12.3
70°-80°	574.1	2.9
80°-90°	78.1	0.4
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°	19525.6	100.0
0°-180°	19525.6	100.0

Coefficient of Utilization



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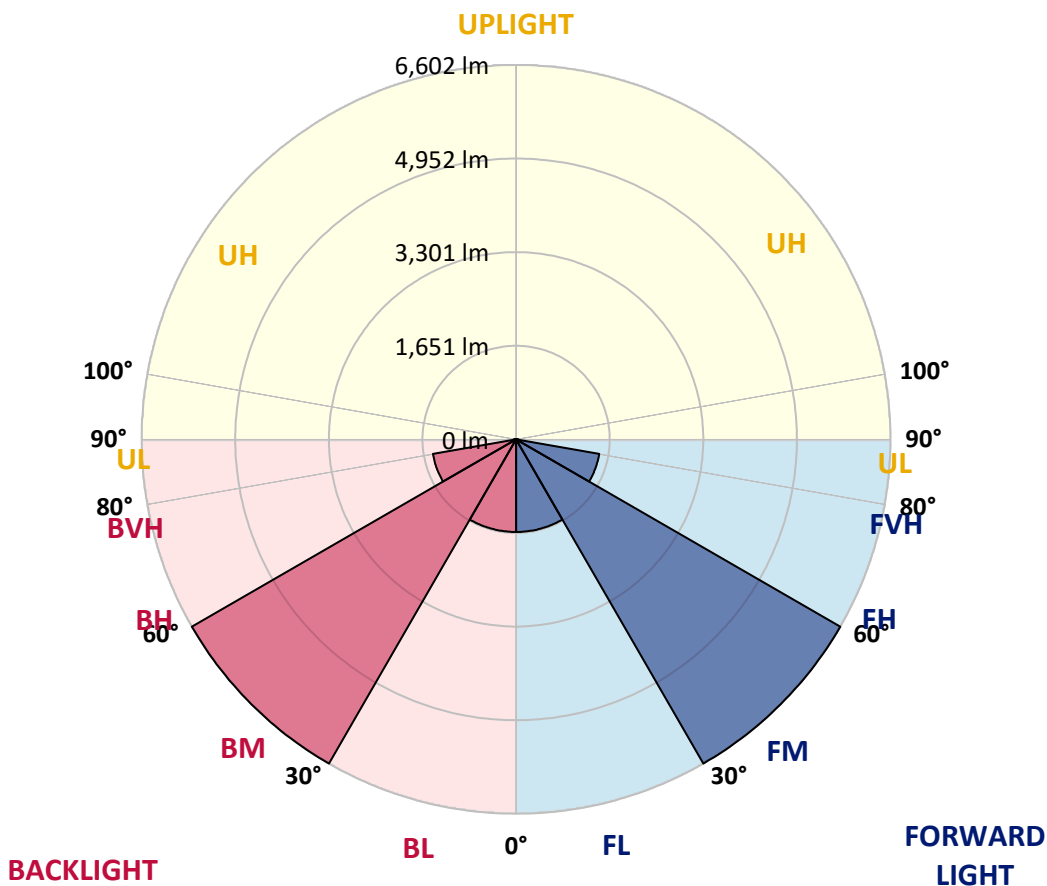
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1633.0	8.4			
FM (30°-60°)	6602.1	33.8			
FH (60°-80°)	1488.6	7.6			G1/1800
FVH (80°-90°)	39.1	0.2			G1/100
BL (0°-30°)	1633.0	8.4	B3/2500		
BM (30°-60°)	6602.1	33.8	B4/8500		
BH (60°-80°)	1488.6	7.6	B3/2500		G1/1800
BVH (80°-90°)	39.1	0.2			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°	3736.0	3736.0	3736.0	3736.0	3736.0	3736.0	3736.0	3736.0	3736.0	3736.0	3736.0
2.5°	3713.6	3713.6	3721.6	3729.6	3732.8	3747.2	3745.6	3740.8	3737.6	3728.0	3740.8
5°	3721.6	3721.6	3728.0	3732.8	3731.2	3742.4	3737.6	3729.6	3724.8	3715.2	3729.6
7.5°	3720.0	3720.0	3724.8	3729.6	3726.4	3736.0	3728.0	3716.8	3708.8	3699.2	3712.0
10°	3699.2	3702.4	3707.2	3718.4	3723.2	3737.6	3726.4	3708.8	3696.0	3684.8	3697.6
12.5°	3696.0	3699.2	3705.6	3720.0	3728.0	3748.8	3734.4	3705.6	3686.4	3672.1	3684.8
15°	3710.4	3713.6	3723.2	3740.8	3753.6	3776.0	3755.2	3715.2	3688.0	3668.9	3680.0
17.5°	3728.0	3732.8	3747.2	3772.8	3793.6	3817.5	3792.0	3744.0	3705.6	3680.0	3689.6
20°	3747.2	3753.6	3776.0	3814.3	3852.7	3883.1	3851.1	3787.2	3740.8	3707.2	3716.8
22.5°	3780.8	3788.8	3817.5	3871.9	3929.4	3974.2	3934.2	3847.9	3787.2	3744.0	3752.0
25°	3849.5	3859.1	3895.9	3961.4	4042.9	4097.3	4041.3	3943.8	3859.1	3806.3	3814.3
27.5°	3971.0	3975.8	4023.8	4110.1	4210.8	4273.1	4206.0	4090.9	3996.6	3935.8	3942.2
30°	4130.9	4145.2	4193.2	4306.7	4426.6	4509.7	4421.8	4285.9	4177.2	4103.7	4110.1
32.5°	4325.9	4335.5	4407.4	4525.7	4698.4	4794.3	4674.4	4512.9	4381.8	4292.3	4298.7
35°	4581.7	4589.7	4658.4	4808.7	5018.1	5107.6	4970.1	4784.7	4632.8	4548.1	4572.1
37.5°	4887.0	4901.4	4951.0	5099.6	5333.0	5421.0	5262.7	5090.0	4931.8	4853.4	4871.0
40°	5214.7	5213.1	5253.1	5384.2	5596.8	5651.2	5508.9	5371.4	5235.5	5184.4	5213.1
42.5°	5496.1	5488.1	5516.9	5625.6	5772.7	5777.5	5683.1	5606.4	5510.5	5475.3	5502.5
45°	5692.7	5695.9	5739.1	5814.2	5889.4	5849.4	5820.6	5807.8	5732.7	5684.7	5689.5
47.5°	5847.8	5860.6	5929.3	5980.5	5990.1	5922.9	5962.9	5982.1	5919.7	5846.2	5825.4
50°	5985.3	6006.1	6095.6	6149.9	6129.2	6044.4	6122.8	6151.5	6014.0	5873.4	5831.8
52.5°	6234.7	6258.6	6367.3	6437.7	6413.7	6329.0	6402.5	6300.2	6068.4	5895.8	5843.0
55°	6632.7	6643.9	6776.6	6891.7	6880.5	6776.6	6717.4	6490.4	6209.1	6030.0	5980.5
57.5°	6548.0	6567.2	6797.4	7104.3	7277.0	7182.6	6835.7	6448.9	6066.8	5851.0	5783.8
60°	5152.4	5198.7	5484.9	6025.2	6658.3	6656.7	6012.5	5411.4	4951.0	4664.8	4636.0
62.5°	3008.6	3040.6	3301.2	3847.9	4415.4	4450.6	3998.2	3585.7	3182.9	2989.4	2896.7
65°	1424.4	1422.8	1526.7	1772.9	2156.6	2186.9	2051.0	1825.6	1587.4	1521.9	1504.3
67.5°	1051.9	1051.9	1043.9	1061.5	1135.0	1151.0	1135.0	1098.3	1075.9	1090.3	1080.7
70°	912.8	914.4	904.8	900.0	900.0	895.2	901.6	916.0	925.6	944.8	935.2
72.5°	740.2	741.8	741.8	743.4	745.0	738.6	748.2	756.2	757.8	764.1	757.8
75°	525.9	529.1	538.7	546.7	553.1	553.1	556.3	557.9	551.5	559.5	546.7
77.5°	289.4	292.5	310.1	324.5	338.9	340.5	345.3	348.5	345.3	351.7	342.1
80°	159.9	163.1	171.1	177.4	188.6	198.2	204.6	207.8	207.8	212.6	207.8
82.5°	91.1	94.3	99.1	102.3	111.9	119.9	126.3	131.1	131.1	132.7	129.5
85°	43.2	43.2	46.4	49.6	54.4	57.6	65.5	70.3	70.3	73.5	70.3
87.5°	6.4	8.0	9.6	9.6	12.8	16.0	19.2	20.8	24.0	25.6	25.6
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)