

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: P635869

Luminaire Tested: GWS-SA3E-760-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635869
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-SA3E-760-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19426.8 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

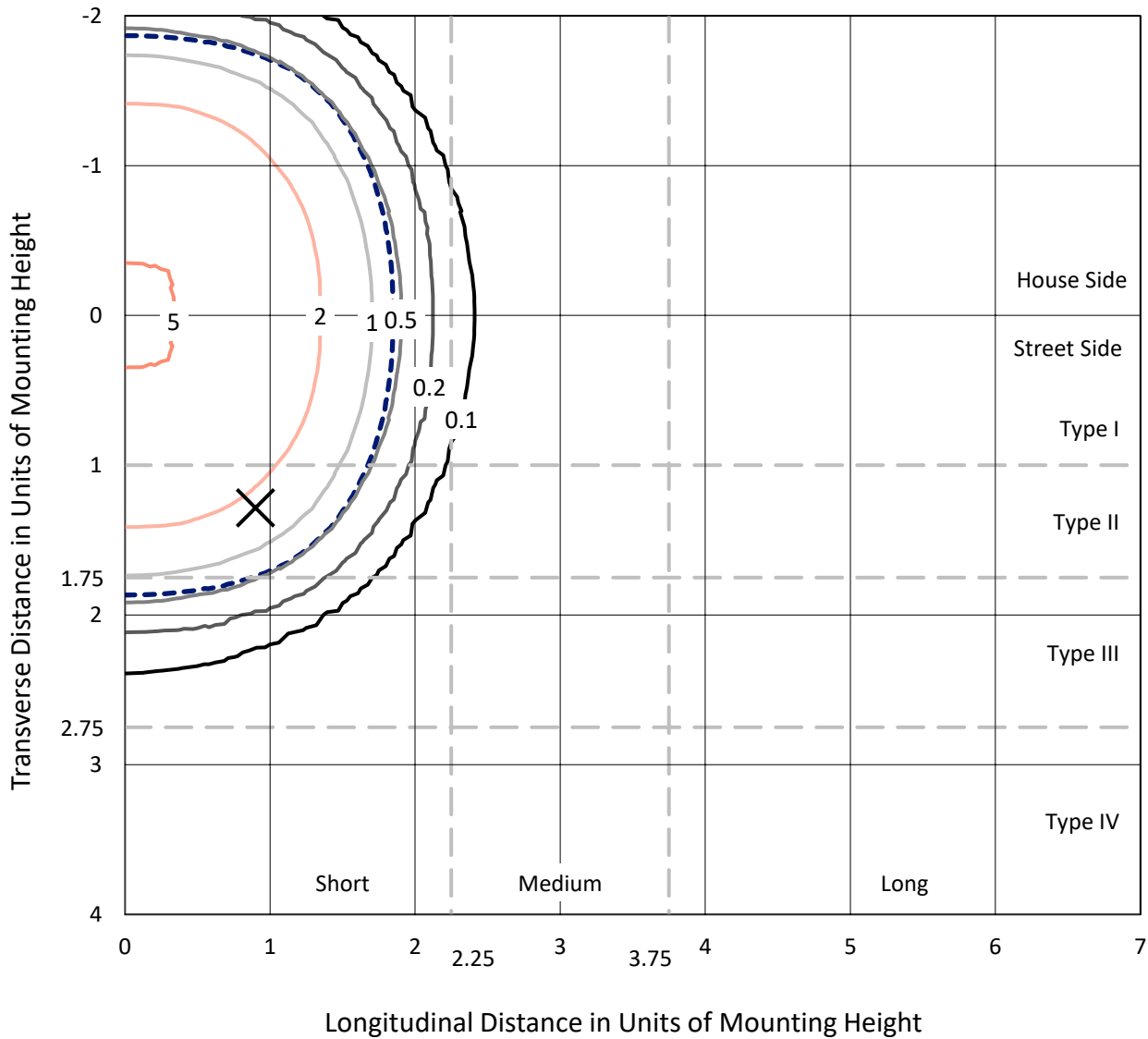
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

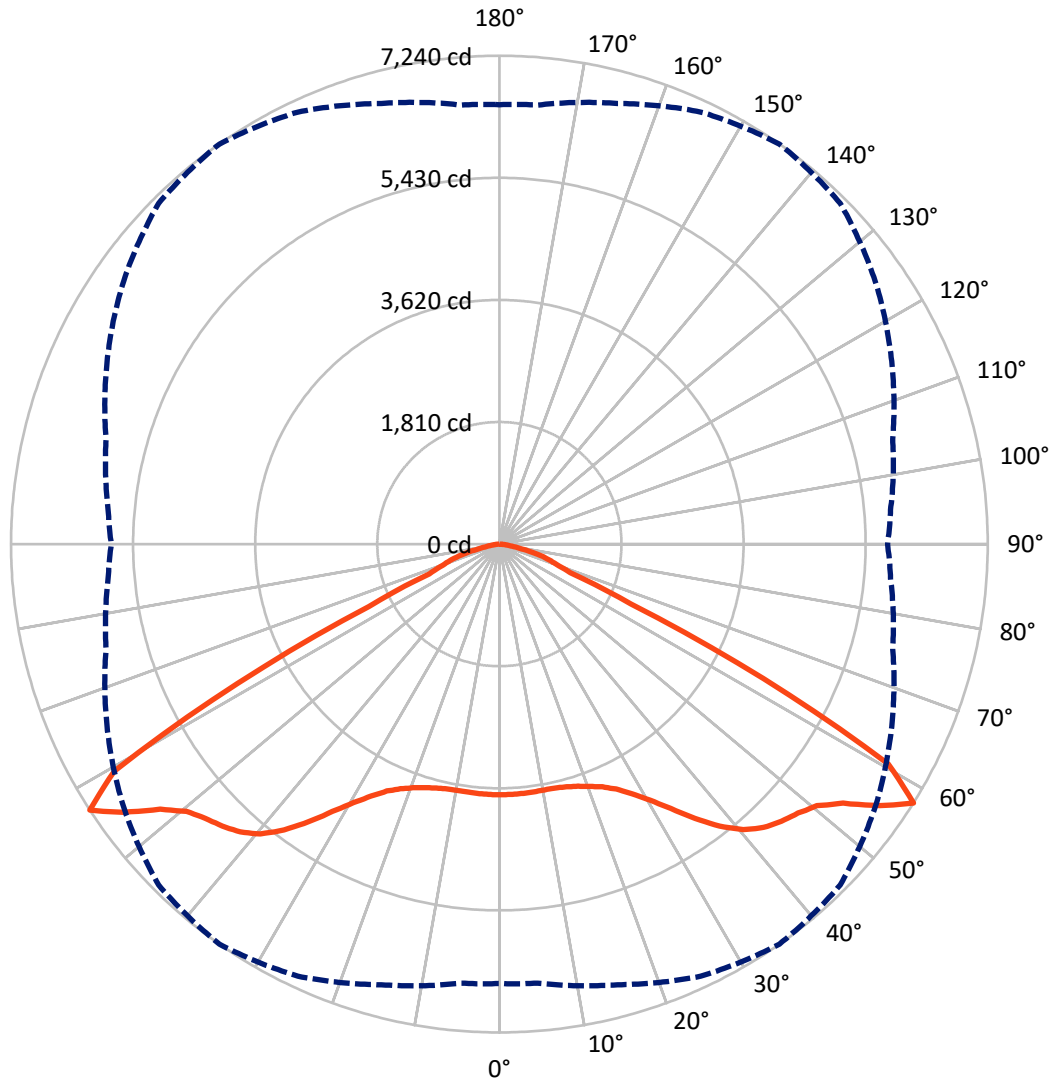
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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	9713.4	0.0	9713.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9713.4	0.0	9713.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	19426.8	0.0	19426.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.6	1.8
10°-20°	1055.0	5.4
20°-30°	1840.8	9.5
30°-40°	3018.5	15.5
40°-50°	4445.6	22.9
50°-60°	5673.3	29.2
60°-70°	2391.0	12.3
70°-80°	571.2	2.9
80°-90°	77.7	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°	19426.8	100.0
0°-180°	19426.8	100.0

Coefficient of Utilization



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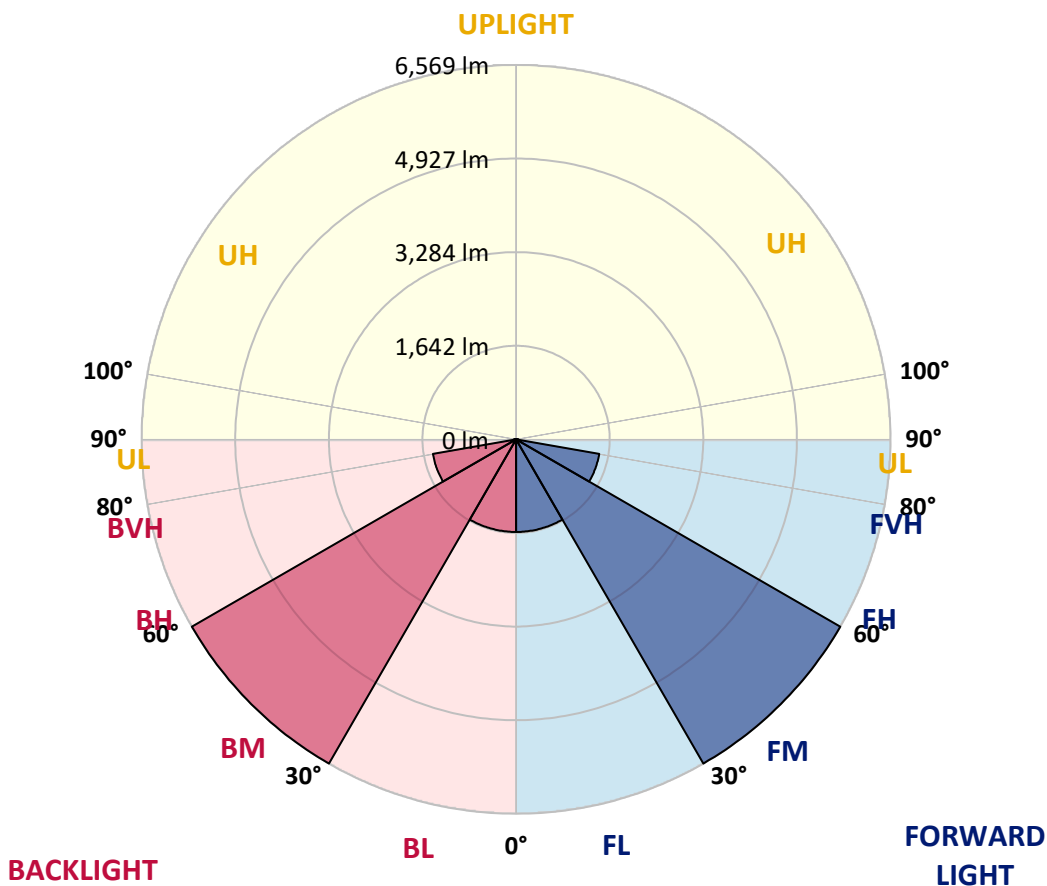
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1624.7	8.4			
FM (30°-60°)	6568.7	33.8			
FH (60°-80°)	1481.1	7.6			G1/1800
FVH (80°-90°)	38.9	0.2			G1/100
BL (0°-30°)	1624.7	8.4	B3/2500		
BM (30°-60°)	6568.7	33.8	B4/8500		
BH (60°-80°)	1481.1	7.6	B3/2500		G1/1800
BVH (80°-90°)	38.9	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°	3717.1	3717.1	3717.1	3717.1	3717.1	3717.1	3717.1	3717.1	3717.1	3717.1	3717.1
2.5°	3694.8	3694.8	3702.8	3710.7	3713.9	3728.2	3726.6	3721.9	3718.7	3709.1	3721.9
5°	3702.8	3702.8	3709.1	3713.9	3712.3	3723.5	3718.7	3710.7	3706.0	3696.4	3710.7
7.5°	3701.2	3701.2	3706.0	3710.7	3707.6	3717.1	3709.1	3698.0	3690.1	3680.5	3693.2
10°	3680.5	3683.7	3688.5	3699.6	3704.4	3718.7	3707.6	3690.1	3677.3	3666.2	3678.9
12.5°	3677.3	3680.5	3686.9	3701.2	3709.1	3729.8	3715.5	3686.9	3667.8	3653.5	3666.2
15°	3691.6	3694.8	3704.4	3721.9	3734.6	3756.9	3736.2	3696.4	3669.4	3650.3	3661.4
17.5°	3709.1	3713.9	3728.2	3753.7	3774.4	3798.2	3772.8	3725.0	3686.9	3661.4	3671.0
20°	3728.2	3734.6	3756.9	3795.0	3833.2	3863.4	3831.6	3768.0	3721.9	3688.5	3698.0
22.5°	3761.6	3769.6	3798.2	3852.3	3909.6	3954.1	3914.3	3828.4	3768.0	3725.0	3733.0
25°	3830.0	3839.6	3876.2	3941.4	4022.5	4076.6	4020.9	3923.9	3839.6	3787.1	3795.0
27.5°	3950.9	3955.7	4003.4	4089.3	4189.5	4251.5	4184.7	4070.2	3976.4	3915.9	3922.3
30°	4110.0	4124.3	4172.0	4284.9	4404.2	4486.9	4399.4	4264.2	4156.1	4082.9	4089.3
32.5°	4304.0	4313.5	4385.1	4502.8	4674.6	4770.0	4650.7	4490.1	4359.7	4270.6	4277.0
35°	4558.5	4566.4	4634.8	4784.3	4992.7	5081.8	4945.0	4760.5	4609.4	4525.1	4548.9
37.5°	4862.3	4876.6	4925.9	5073.8	5306.0	5393.5	5236.1	5064.3	4906.8	4828.9	4846.4
40°	5188.3	5186.8	5226.5	5356.9	5568.5	5622.6	5481.0	5344.2	5209.0	5158.1	5186.8
42.5°	5468.3	5460.3	5489.0	5597.1	5743.4	5748.2	5654.4	5578.0	5482.6	5447.6	5474.6
45°	5663.9	5667.1	5710.0	5784.8	5859.6	5819.8	5791.2	5778.4	5703.7	5656.0	5660.7
47.5°	5818.2	5830.9	5899.3	5950.2	5959.8	5893.0	5932.7	5951.8	5889.8	5816.6	5795.9
50°	5955.0	5975.7	6064.7	6118.8	6098.1	6013.8	6091.8	6120.4	5983.6	5843.7	5802.3
52.5°	6203.1	6227.0	6335.1	6405.1	6381.3	6297.0	6370.1	6268.3	6037.7	5865.9	5813.4
55°	6599.2	6610.3	6742.3	6856.8	6845.7	6742.3	6683.5	6457.6	6177.7	5999.5	5950.2
57.5°	6514.9	6533.9	6763.0	7068.4	7240.1	7146.3	6801.2	6416.2	6036.1	5821.4	5754.6
60°	5126.3	5172.4	5457.1	5994.8	6624.6	6623.0	5982.0	5384.0	4925.9	4641.2	4612.6
62.5°	2993.4	3025.2	3284.5	3828.4	4393.1	4428.1	3977.9	3567.6	3166.8	2974.3	2882.1
65°	1417.2	1415.6	1519.0	1763.9	2145.6	2175.9	2040.7	1816.4	1579.4	1514.2	1496.7
67.5°	1046.6	1046.6	1038.6	1056.1	1129.3	1145.2	1129.3	1092.7	1070.4	1084.7	1075.2
70°	908.2	909.8	900.2	895.5	895.5	890.7	897.1	911.4	920.9	940.0	930.5
72.5°	736.4	738.0	738.0	739.6	741.2	734.8	744.4	752.3	753.9	760.3	753.9
75°	523.3	526.5	536.0	544.0	550.3	550.3	553.5	555.1	548.7	556.7	544.0
77.5°	287.9	291.1	308.6	322.9	337.2	338.8	343.6	346.7	343.6	349.9	340.4
80°	159.1	162.2	170.2	176.6	187.7	197.2	203.6	206.8	206.8	211.5	206.8
82.5°	90.7	93.8	98.6	101.8	111.3	119.3	125.7	130.4	130.4	132.0	128.8
85°	42.9	42.9	46.1	49.3	54.1	57.3	65.2	70.0	70.0	73.2	70.0
87.5°	6.4	8.0	9.5	9.5	12.7	15.9	19.1	20.7	23.9	25.4	25.4
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)