

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: P636474

Luminaire Tested: GWS-SA3F-830-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636474
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-SA3F-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17006.8 lumens
Efficiency: N/A
Efficacy: 92.8 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): 183.2
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

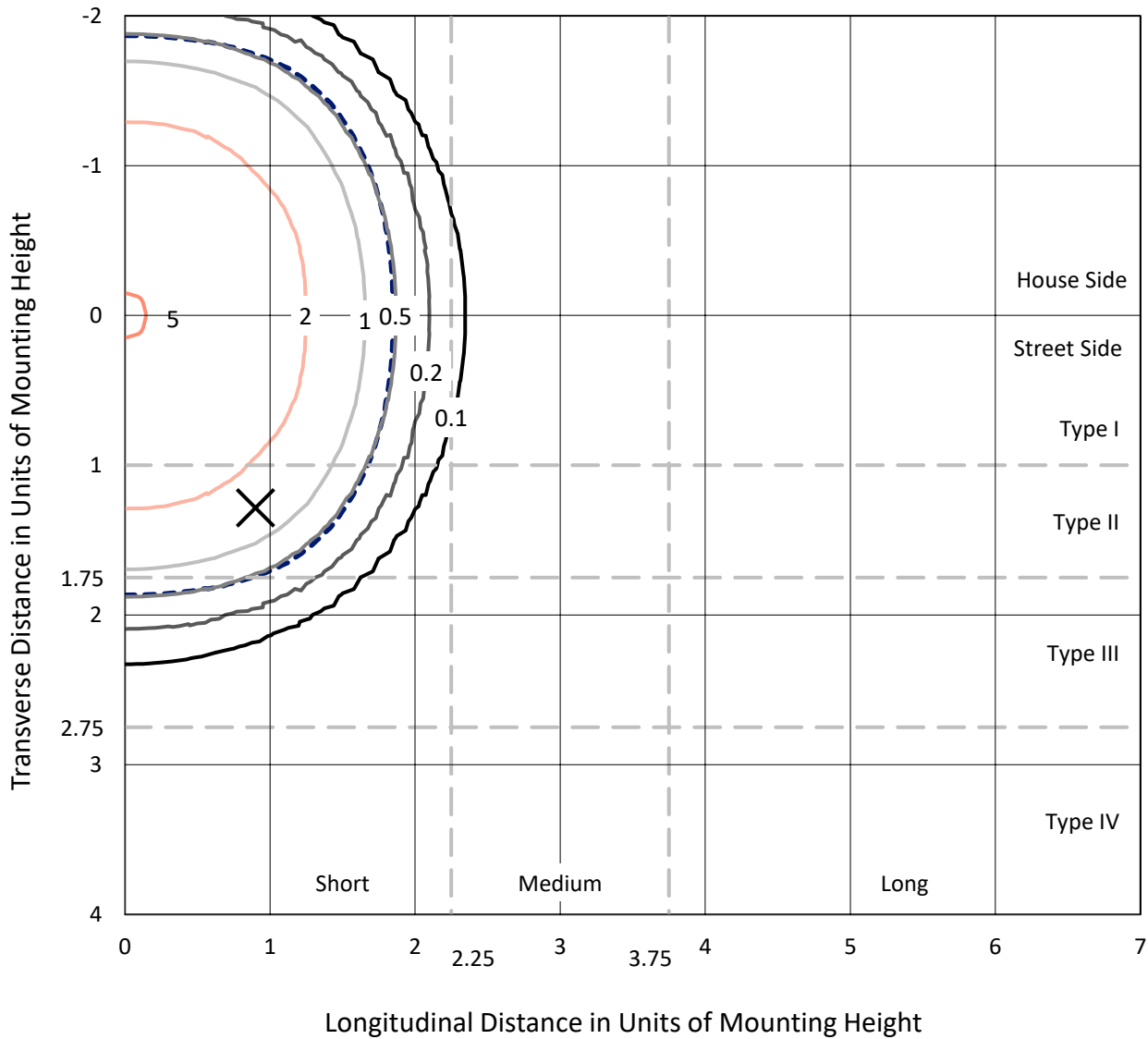


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Iso-Footcandle Lines of Horizontal Illumination

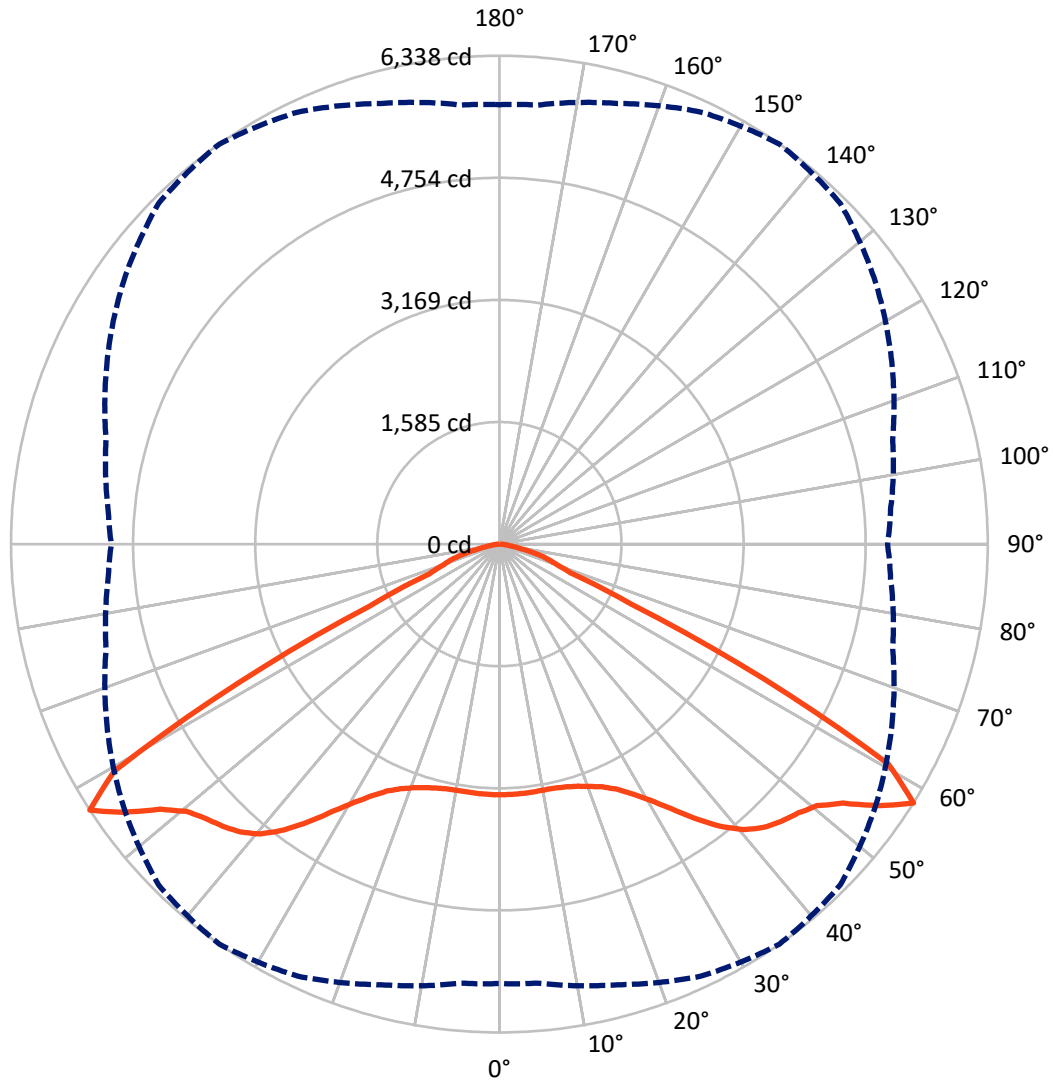
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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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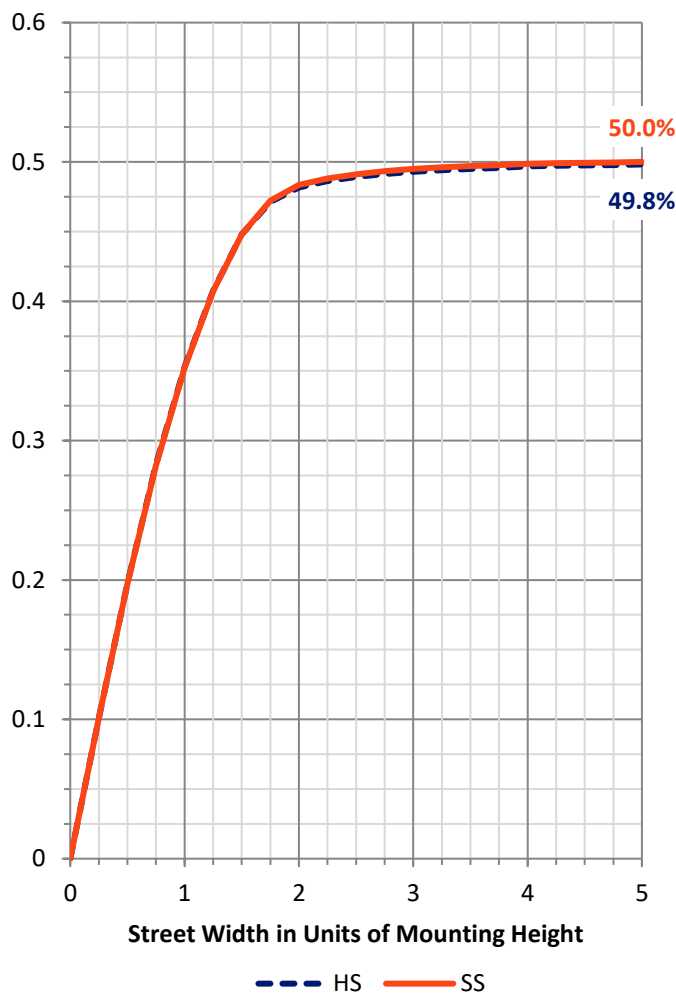
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8503.4	0.0	8503.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8503.4	0.0	8503.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	17006.8	0.0	17006.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.6	1.8
10°-20°	923.6	5.4
20°-30°	1611.5	9.5
30°-40°	2642.5	15.5
40°-50°	3891.8	22.9
50°-60°	4966.6	29.2
60°-70°	2093.1	12.3
70°-80°	500.0	2.9
80°-90°	68.1	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°	17006.8	100.0
0°-180°	17006.8	100.0

Coefficient of Utilization



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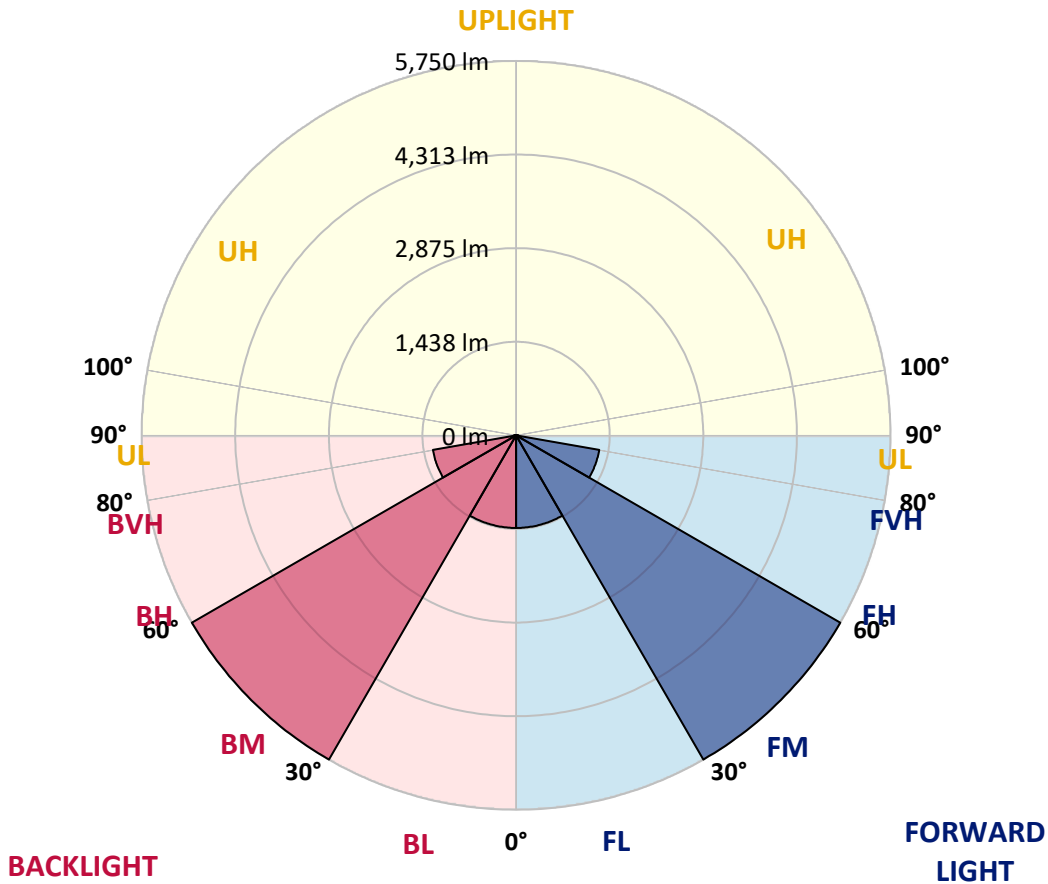
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1422.3	8.4			
FM (30°-60°)	5750.5	33.8			
FH (60°-80°)	1296.6	7.6			G1/1800
FVH (80°-90°)	34.0	0.2			G1/100
BL (0°-30°)	1422.3	8.4	B3/2500		
BM (30°-60°)	5750.5	33.8	B4/8500		
BH (60°-80°)	1296.6	7.6	B3/2500		G1/1800
BVH (80°-90°)	34.0	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°	3254.1	3254.1	3254.1	3254.1	3254.1	3254.1	3254.1	3254.1	3254.1	3254.1	3254.1
2.5°	3234.6	3234.6	3241.5	3248.5	3251.3	3263.8	3262.4	3258.2	3255.4	3247.1	3258.2
5°	3241.5	3241.5	3247.1	3251.3	3249.9	3259.6	3255.4	3248.5	3244.3	3236.0	3248.5
7.5°	3240.1	3240.1	3244.3	3248.5	3245.7	3254.1	3247.1	3237.3	3230.4	3222.0	3233.2
10°	3222.0	3224.8	3229.0	3238.7	3242.9	3255.4	3245.7	3230.4	3219.2	3209.5	3220.6
12.5°	3219.2	3222.0	3227.6	3240.1	3247.1	3265.2	3252.7	3227.6	3210.9	3198.4	3209.5
15°	3231.8	3234.6	3242.9	3258.2	3269.4	3288.9	3270.8	3236.0	3212.3	3195.6	3205.3
17.5°	3247.1	3251.3	3263.8	3286.1	3304.2	3325.1	3302.8	3261.0	3227.6	3205.3	3213.7
20°	3263.8	3269.4	3288.9	3322.3	3355.7	3382.2	3354.3	3298.6	3258.2	3229.0	3237.3
22.5°	3293.0	3300.0	3325.1	3372.4	3422.5	3461.5	3426.7	3351.5	3298.6	3261.0	3268.0
25°	3352.9	3361.3	3393.3	3450.4	3521.4	3568.7	3520.0	3435.1	3361.3	3315.3	3322.3
27.5°	3458.7	3462.9	3504.7	3579.9	3667.6	3721.9	3663.4	3563.2	3481.0	3428.1	3433.7
30°	3598.0	3610.5	3652.3	3751.1	3855.6	3928.0	3851.4	3733.0	3638.4	3574.3	3579.9
32.5°	3767.9	3776.2	3838.9	3941.9	4092.3	4175.8	4071.4	3930.8	3816.6	3738.6	3744.2
35°	3990.6	3997.6	4057.5	4188.4	4370.8	4448.7	4329.0	4167.5	4035.2	3961.4	3982.3
37.5°	4256.6	4269.1	4312.3	4441.8	4645.1	4721.7	4583.8	4433.4	4295.6	4227.3	4242.7
40°	4542.0	4540.6	4575.5	4689.6	4874.8	4922.2	4798.2	4678.5	4560.1	4515.6	4540.6
42.5°	4787.1	4780.1	4805.2	4899.9	5028.0	5032.2	4950.0	4883.2	4799.6	4769.0	4792.7
45°	4958.4	4961.1	4998.7	5064.2	5129.6	5094.8	5069.8	5058.6	4993.2	4951.4	4955.6
47.5°	5093.4	5104.6	5164.4	5209.0	5217.4	5158.9	5193.7	5210.4	5156.1	5092.0	5073.9
50°	5213.2	5231.3	5309.3	5356.6	5338.5	5264.7	5332.9	5358.0	5238.2	5115.7	5079.5
52.5°	5430.4	5451.3	5546.0	5607.2	5586.3	5512.5	5576.6	5487.5	5285.6	5135.2	5089.2
55°	5777.1	5786.8	5902.4	6002.7	5992.9	5902.4	5850.9	5653.2	5408.1	5252.2	5209.0
57.5°	5703.3	5720.0	5920.5	6187.9	6338.2	6256.1	5953.9	5617.0	5284.2	5096.2	5037.7
60°	4487.7	4528.1	4777.4	5248.0	5799.4	5798.0	5236.8	4713.3	4312.3	4063.0	4038.0
62.5°	2620.5	2648.4	2875.3	3351.5	3845.8	3876.5	3482.4	3123.2	2772.3	2603.8	2523.0
65°	1240.6	1239.2	1329.7	1544.2	1878.4	1904.8	1786.5	1590.1	1382.7	1325.6	1310.3
67.5°	916.2	916.2	909.2	924.6	988.6	1002.5	988.6	956.6	937.1	949.6	941.3
70°	795.1	796.5	788.1	783.9	783.9	779.7	785.3	797.8	806.2	822.9	814.6
72.5°	644.7	646.1	646.1	647.5	648.9	643.3	651.6	658.6	660.0	665.6	660.0
75°	458.1	460.9	469.2	476.2	481.8	481.8	484.6	486.0	480.4	487.3	476.2
77.5°	252.0	254.8	270.1	282.7	295.2	296.6	300.8	303.5	300.8	306.3	298.0
80°	139.2	142.0	149.0	154.6	164.3	172.7	178.2	181.0	181.0	185.2	181.0
82.5°	79.4	82.2	86.3	89.1	97.5	104.4	110.0	114.2	114.2	115.6	112.8
85°	37.6	37.6	40.4	43.2	47.3	50.1	57.1	61.3	61.3	64.1	61.3
87.5°	5.6	7.0	8.4	8.4	11.1	13.9	16.7	18.1	20.9	22.3	22.3
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)