

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: P643739

Luminaire Tested: GWS-SA6F-750-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643739
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6F-750-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26792 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 372.6
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

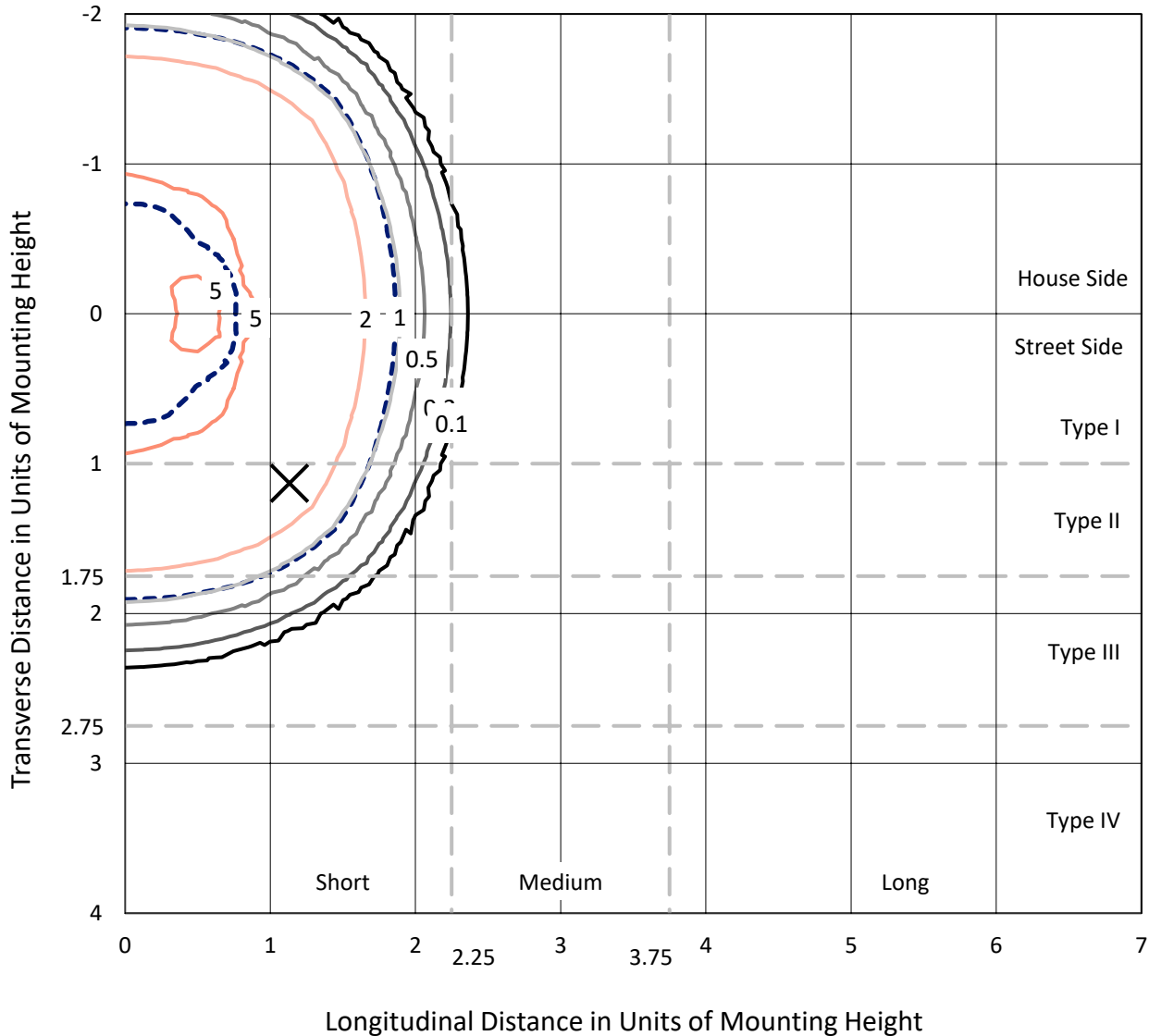


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Iso-Footcandle Lines of Horizontal Illumination

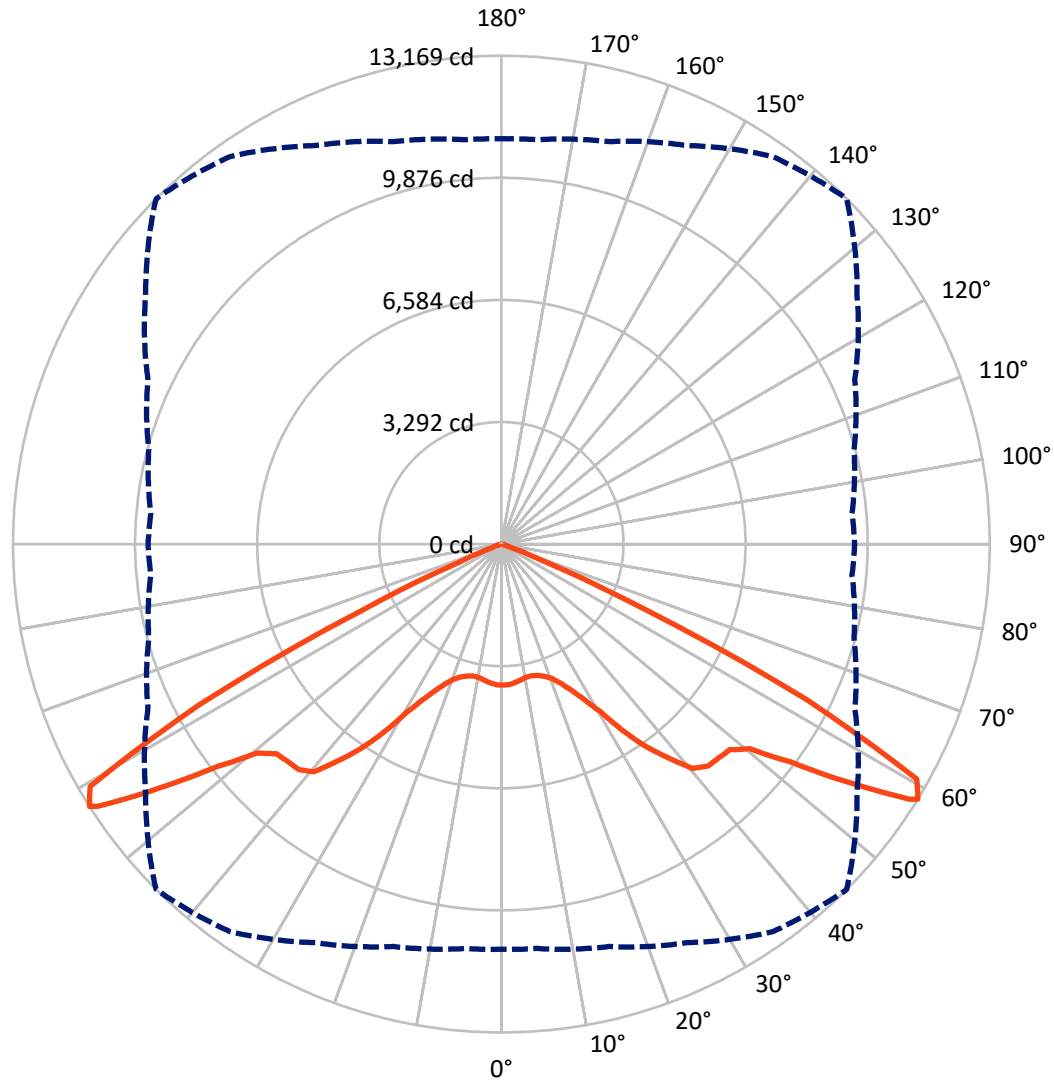
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13396.0	0.0	13396.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13396.0	0.0	13396.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26792.0	0.0	26792.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.5	1.3
10°-20°	1048.9	3.9
20°-30°	1983.8	7.4
30°-40°	3912.5	14.6
40°-50°	6191.5	23.1
50°-60°	9101.1	34.0
60°-70°	4062.4	15.2
70°-80°	136.1	0.5
80°-90°	1.1	0.0
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°	26792.0	100.0
0°-180°	26792.0	100.0

Coefficient of Utilization



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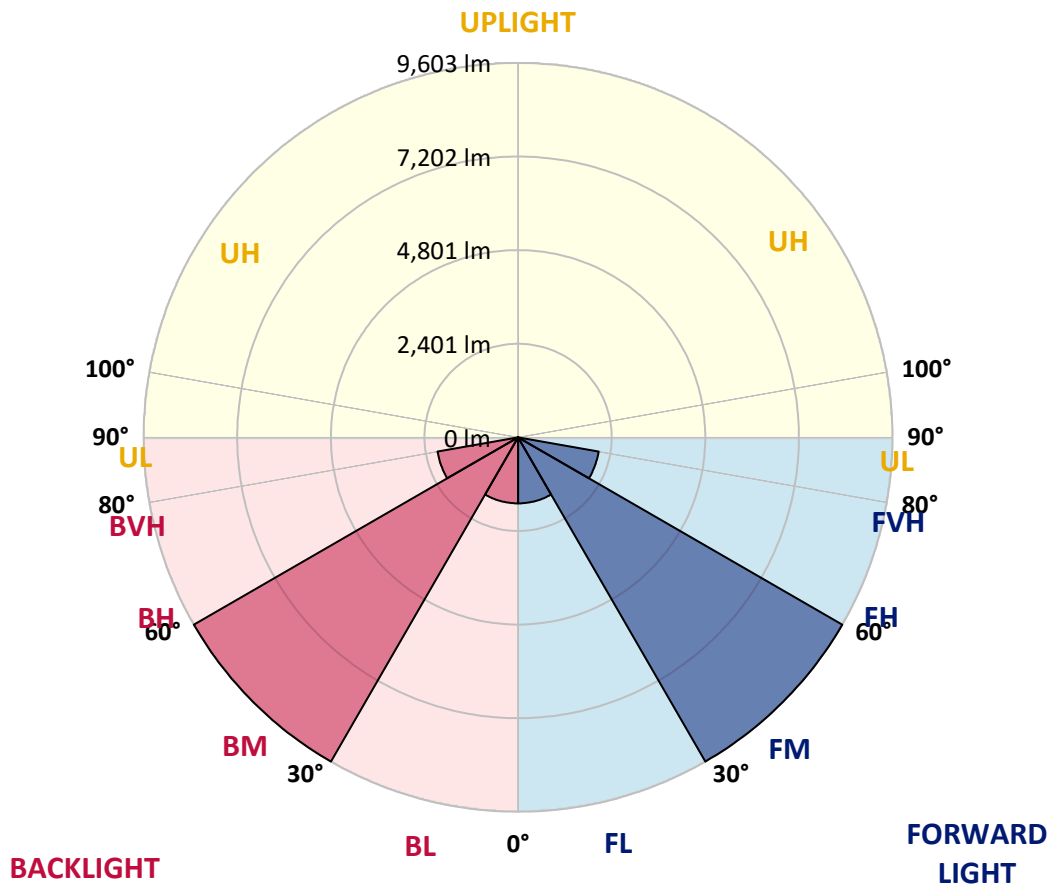
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1693.6	6.3			
FM (30°-60°)	9602.6	35.8			
FH (60°-80°)	2099.2	7.8			G2/5000
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1693.6	6.3	B3/2500		
BM (30°-60°)	9602.6	35.8	B5		
BH (60°-80°)	2099.2	7.8	B3/2500		G2/5000
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3799.5	3799.5	3799.5	3799.5	3799.5	3799.5	3799.5	3799.5	3799.5	3799.5	3799.5
2.5°	3763.0	3770.3	3777.6	3781.2	3784.9	3795.8	3799.5	3788.5	3788.5	3766.6	3792.2
5°	3744.7	3752.0	3759.3	3755.7	3755.7	3755.7	3752.0	3737.4	3733.8	3711.9	3737.4
7.5°	3711.9	3719.2	3719.2	3708.2	3700.9	3700.9	3697.3	3679.0	3675.4	3653.5	3679.0
10°	3686.3	3690.0	3686.3	3664.4	3649.8	3649.8	3646.2	3638.9	3642.5	3627.9	3649.8
12.5°	3700.9	3704.6	3690.0	3660.8	3642.5	3638.9	3627.9	3617.0	3627.9	3624.3	3646.2
15°	3748.4	3752.0	3726.5	3690.0	3675.4	3675.4	3646.2	3617.0	3631.6	3635.2	3660.8
17.5°	3806.8	3806.8	3773.9	3741.1	3744.7	3744.7	3697.3	3646.2	3649.8	3664.4	3690.0
20°	3876.1	3876.1	3843.3	3836.0	3861.5	3865.2	3806.8	3726.5	3708.2	3719.2	3748.4
22.5°	4000.2	4000.2	3974.7	3992.9	4051.3	4069.5	3982.0	3868.8	3825.0	3832.3	3861.5
25°	4193.6	4193.6	4186.3	4230.1	4314.1	4354.2	4237.4	4087.8	4014.8	4003.9	4036.7
27.5°	4518.5	4522.1	4511.2	4576.9	4682.7	4730.2	4569.6	4372.5	4284.9	4266.6	4299.5
30°	4938.2	4938.2	4941.9	5033.1	5171.8	5233.8	5022.2	4792.2	4690.0	4631.6	4675.4
32.5°	5405.4	5412.7	5449.2	5602.5	5847.0	5974.8	5664.5	5343.3	5179.1	5117.0	5164.5
35°	6175.5	6106.1	6062.4	6175.5	6529.5	6697.4	6299.6	5923.7	5799.6	5792.3	5912.7
37.5°	6938.3	6898.2	6806.9	6923.7	7241.2	7317.9	6879.9	6566.0	6478.4	6525.9	6646.3
40°	7544.2	7471.2	7350.7	7460.2	7876.3	7953.0	7412.8	7102.5	7069.7	7175.5	7339.8
42.5°	8022.3	7920.1	7759.5	7785.1	8120.8	8175.6	7697.5	7463.9	7485.8	7617.2	7803.3
45°	8237.6	8157.3	8015.0	8004.1	8215.7	8219.4	7843.5	7723.0	7781.4	7883.6	8029.6
47.5°	8328.9	8292.4	8212.1	8193.8	8314.3	8285.1	8051.5	8000.4	8055.2	8084.4	8168.3
50°	8555.2	8555.2	8566.1	8580.7	8704.8	8675.6	8511.4	8453.0	8383.6	8281.4	8307.0
52.5°	9190.2	9215.8	9321.6	9438.4	9664.7	9759.6	9493.2	9153.7	8821.6	8599.0	8599.0
55°	10336.3	10361.8	10485.9	10683.0	11099.1	11325.4	10704.9	9956.7	9500.5	9197.5	9237.7
57.5°	10967.7	10996.9	11252.4	11785.3	12591.9	12975.1	11642.9	10533.4	9894.7	9547.9	9577.1
58°	10927.6	10945.8	11234.1	11858.3	12756.1	13168.5	11708.6	10515.1	9843.6	9489.5	9526.0
60°	9708.5	9683.0	10142.8	11033.4	12299.9	12869.3	11055.3	9599.0	8818.0	8456.6	8474.9
62.5°	6347.0	6361.6	6759.5	7690.2	8675.6	9212.1	7723.0	6639.0	6011.3	5792.3	5737.5
65°	2649.8	2602.3	2846.9	3365.1	3956.4	4255.7	3657.1	3095.0	2708.2	2562.2	2602.3
67.5°	682.5	664.3	678.9	850.4	1040.2	1230.0	1032.9	788.4	686.2	693.5	693.5
70°	386.9	365.0	295.6	273.7	266.4	266.4	266.4	266.4	306.6	361.3	372.3
72.5°	292.0	273.7	215.3	186.1	164.2	153.3	160.6	186.1	222.6	270.1	277.4
75°	146.0	146.0	131.4	124.1	109.5	102.2	105.8	116.8	135.0	153.3	149.6
77.5°	29.2	32.8	36.5	43.8	36.5	36.5	36.5	43.8	43.8	47.4	43.8
80°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
82.5°	0.0	3.6	3.6	0.0	0.0	0.0	0.0	3.6	3.6	3.6	3.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)