

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: P633837

Luminaire Tested: GWS-SA2F-750-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633837
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-SA2F-750-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15043.7 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 124.5
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

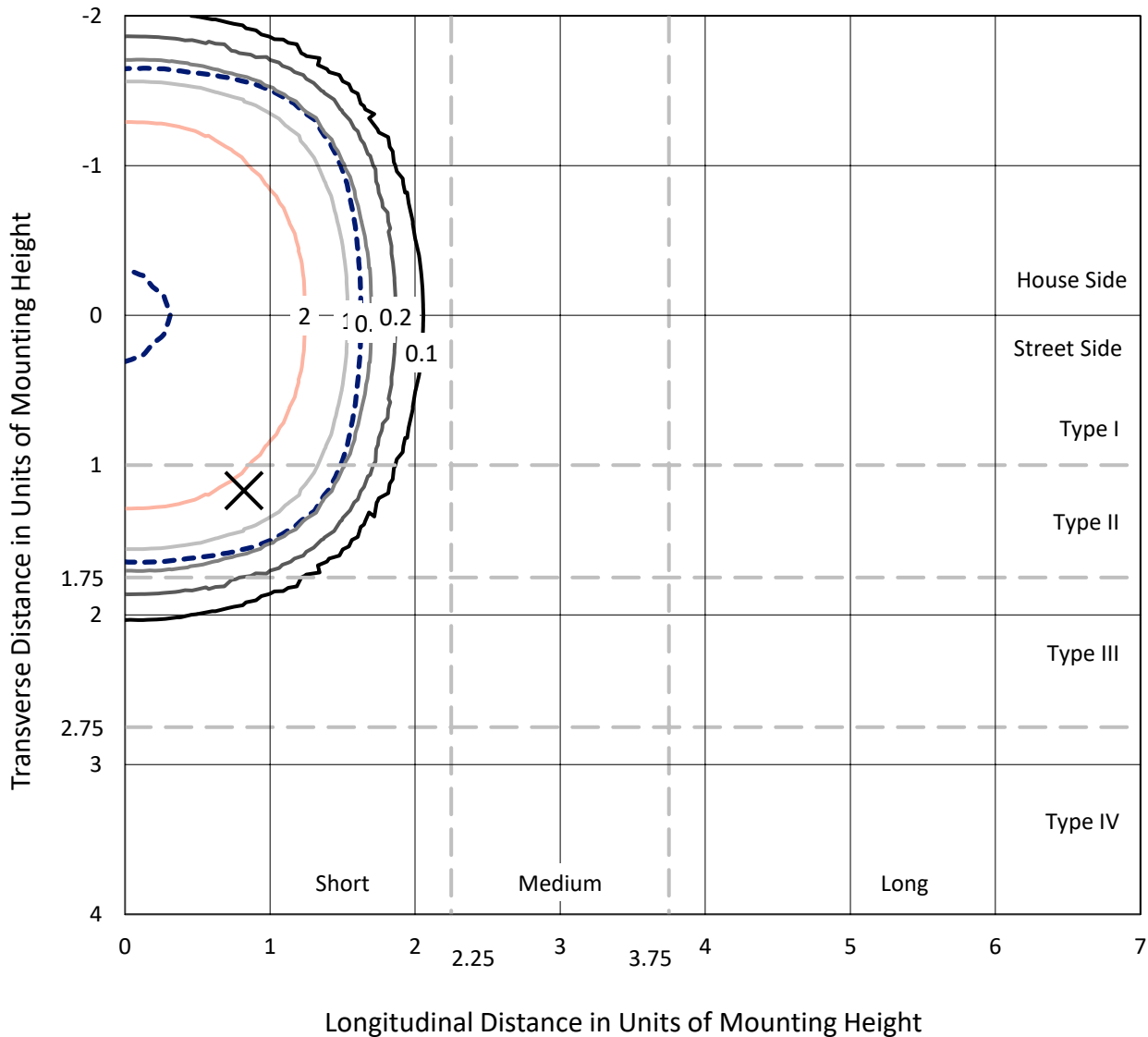


REPORT NUMBER: P633837

CATALOG NUMBER: GWS-SA2F-750-U-5NQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

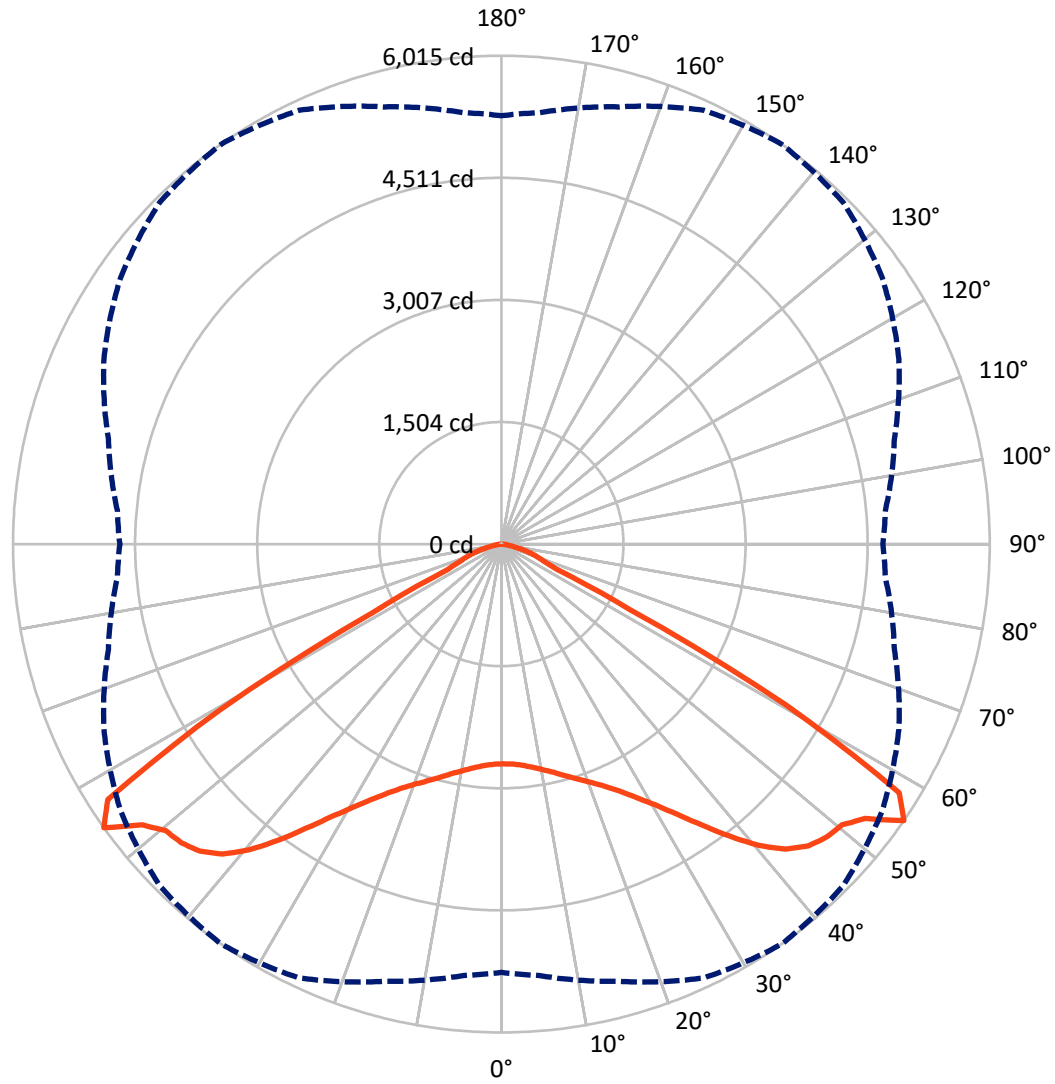
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - N/A

REPORT NUMBER: P633837
CATALOG NUMBER: GWS-SA2F-750-U-5NQ-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P633837

CATALOG NUMBER: GWS-SA2F-750-U-5NQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7521.9	0.0	7521.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7521.9	0.0	7521.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	15043.7	0.0	15043.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.0	1.8
10°-20°	840.4	5.6
20°-30°	1555.5	10.3
30°-40°	2602.0	17.3
40°-50°	3965.0	26.4
50°-60°	4441.7	29.5
60°-70°	1050.9	7.0
70°-80°	283.3	1.9
80°-90°	40.8	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°	15043.7	100.0
0°-180°	15043.7	100.0

Coefficient of Utilization



REPORT NUMBER: P633837

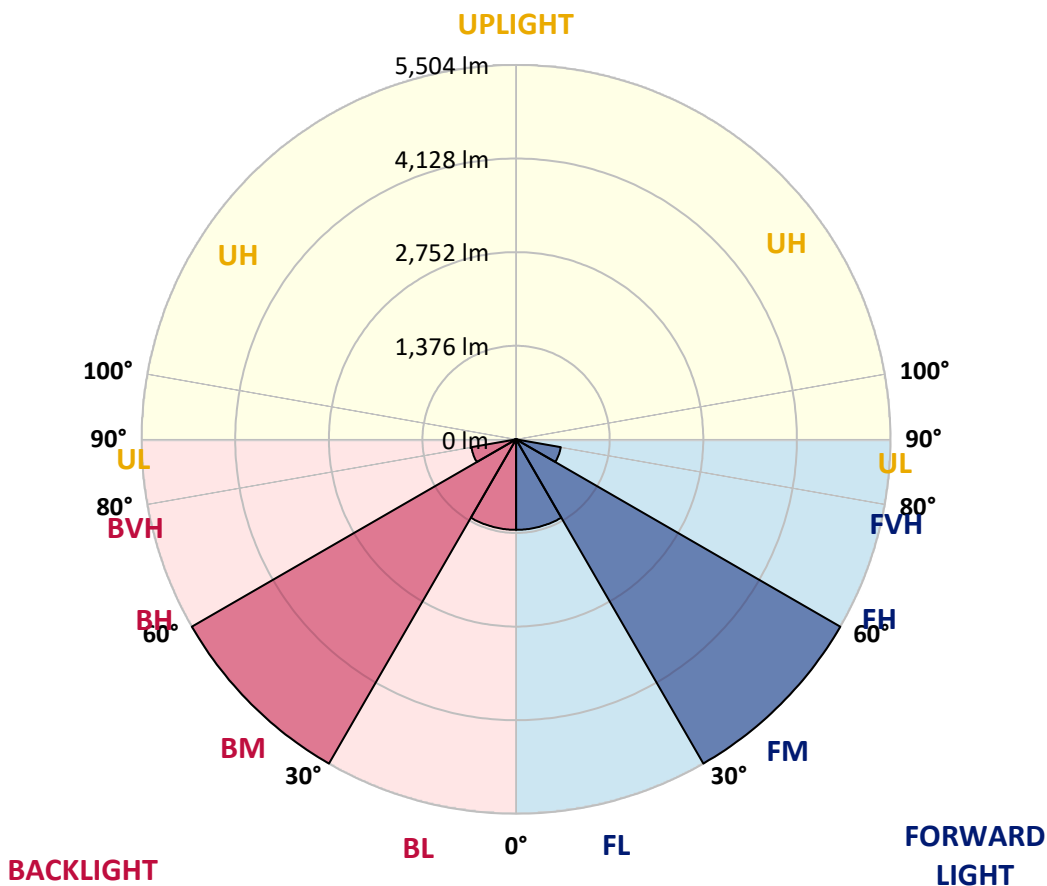
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1330.0	8.8			
FM (30°-60°)	5504.4	36.6			
FH (60°-80°)	667.1	4.4			G1/1800
FVH (80°-90°)	20.4	0.1			G1/100
BL (0°-30°)	1330.0	8.8	B3/2500		
BM (30°-60°)	5504.4	36.6	B4/8500		
BH (60°-80°)	667.1	4.4	B2/1000		G1/1800
BVH (80°-90°)	20.4	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





REPORT NUMBER: P633837

CATALOG NUMBER: GWS-SA2F-750-U-5NQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2706.4	2706.4	2706.4	2706.4	2706.4	2706.4	2706.4	2706.4	2706.4	2706.4	2706.4
2.5°	2700.5	2700.5	2705.2	2711.2	2712.4	2724.2	2721.9	2717.1	2714.7	2710.0	2720.7
5°	2730.2	2731.4	2735.0	2738.5	2736.1	2745.7	2742.1	2736.1	2732.6	2726.6	2737.3
7.5°	2769.5	2769.5	2773.0	2777.8	2775.4	2789.7	2782.5	2774.2	2768.3	2761.1	2770.6
10°	2805.1	2807.5	2811.1	2820.6	2825.4	2840.8	2836.1	2824.2	2814.7	2806.3	2817.0
12.5°	2858.7	2861.1	2864.6	2877.7	2886.0	2901.5	2894.4	2877.7	2863.4	2851.5	2863.4
15°	2927.7	2925.3	2934.8	2951.5	2962.2	2976.4	2968.1	2939.6	2920.5	2905.1	2917.0
17.5°	2997.9	2996.7	3006.2	3027.6	3043.1	3062.1	3047.8	3014.5	2994.3	2975.3	2987.2
20°	3074.0	3077.6	3087.1	3107.3	3129.9	3154.9	3143.0	3107.3	3084.7	3063.3	3072.8
22.5°	3168.0	3169.2	3179.9	3206.0	3235.8	3259.6	3252.4	3208.4	3179.9	3157.3	3169.2
25°	3281.0	3279.8	3294.1	3325.0	3366.6	3390.4	3375.0	3326.2	3295.3	3269.1	3278.6
27.5°	3410.7	3409.5	3430.9	3471.3	3530.8	3564.1	3532.0	3471.3	3428.5	3391.6	3400.0
30°	3573.6	3570.1	3593.9	3648.6	3725.9	3781.8	3734.2	3649.8	3593.9	3554.6	3562.9
32.5°	3754.5	3759.2	3789.0	3862.7	3960.3	4032.8	3961.5	3867.5	3792.5	3735.4	3744.9
35°	3953.1	3953.1	4013.8	4105.4	4244.6	4340.9	4230.3	4094.7	3994.8	3916.3	3918.6
37.5°	4174.4	4176.8	4256.5	4382.6	4564.6	4677.6	4527.7	4360.0	4238.6	4154.2	4149.4
40°	4444.4	4451.6	4533.7	4674.0	4878.7	4982.2	4821.6	4657.4	4533.7	4433.7	4424.2
42.5°	4749.0	4751.4	4838.2	4964.3	5136.8	5198.7	5072.6	4938.1	4837.0	4746.6	4737.1
45°	5039.3	5033.3	5108.3	5202.2	5302.2	5308.1	5237.9	5183.2	5095.2	5017.8	5003.6
47.5°	5265.3	5260.5	5328.3	5379.5	5391.4	5333.1	5355.7	5364.0	5261.7	5157.0	5129.7
50°	5403.3	5412.8	5477.0	5505.6	5435.4	5340.2	5425.9	5404.5	5258.2	5121.3	5077.3
52.5°	5486.6	5500.8	5612.7	5685.2	5612.7	5522.2	5534.1	5408.0	5197.5	5016.7	4959.6
55°	5276.0	5333.1	5574.6	5895.8	6014.8	5951.7	5725.7	5400.9	5010.7	4747.8	4699.0
57.5°	3910.3	4000.7	4358.8	5054.7	5778.0	6007.6	5347.4	4527.7	3936.5	3598.6	3570.1
60°	1996.2	2097.3	2384.0	3099.0	4029.3	4352.8	3724.7	2899.1	2304.3	2030.7	1999.8
62.5°	814.9	831.5	925.5	1201.5	1780.9	2054.5	1804.7	1267.0	951.7	876.8	877.9
65°	641.2	644.8	640.0	656.7	745.9	828.0	764.9	672.1	655.5	663.8	657.9
67.5°	559.1	560.3	556.7	556.7	560.3	556.7	563.9	567.5	569.8	579.3	573.4
70°	467.5	468.7	468.7	471.1	469.9	464.0	474.7	479.4	480.6	486.6	483.0
72.5°	361.6	365.2	367.6	368.8	367.6	364.0	370.0	378.3	377.1	383.1	377.1
75°	245.1	249.8	252.2	257.0	255.8	255.8	262.9	266.5	262.9	267.7	262.9
77.5°	139.2	142.8	149.9	154.7	159.4	163.0	167.7	170.1	168.9	171.3	168.9
80°	80.9	82.1	88.0	90.4	96.4	102.3	107.1	109.4	110.6	111.8	110.6
82.5°	46.4	47.6	50.0	52.3	57.1	61.9	66.6	70.2	70.2	71.4	70.2
85°	22.6	22.6	23.8	25.0	27.4	30.9	34.5	38.1	39.3	39.3	39.3
87.5°	3.6	3.6	4.8	4.8	5.9	7.1	9.5	11.9	13.1	13.1	13.1
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)