

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: P636037

Luminaire Tested: GWS-SA3F-722-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636037
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-SA3F-722-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16327.2 lumens
Efficiency: N/A
Efficacy: 89.1 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

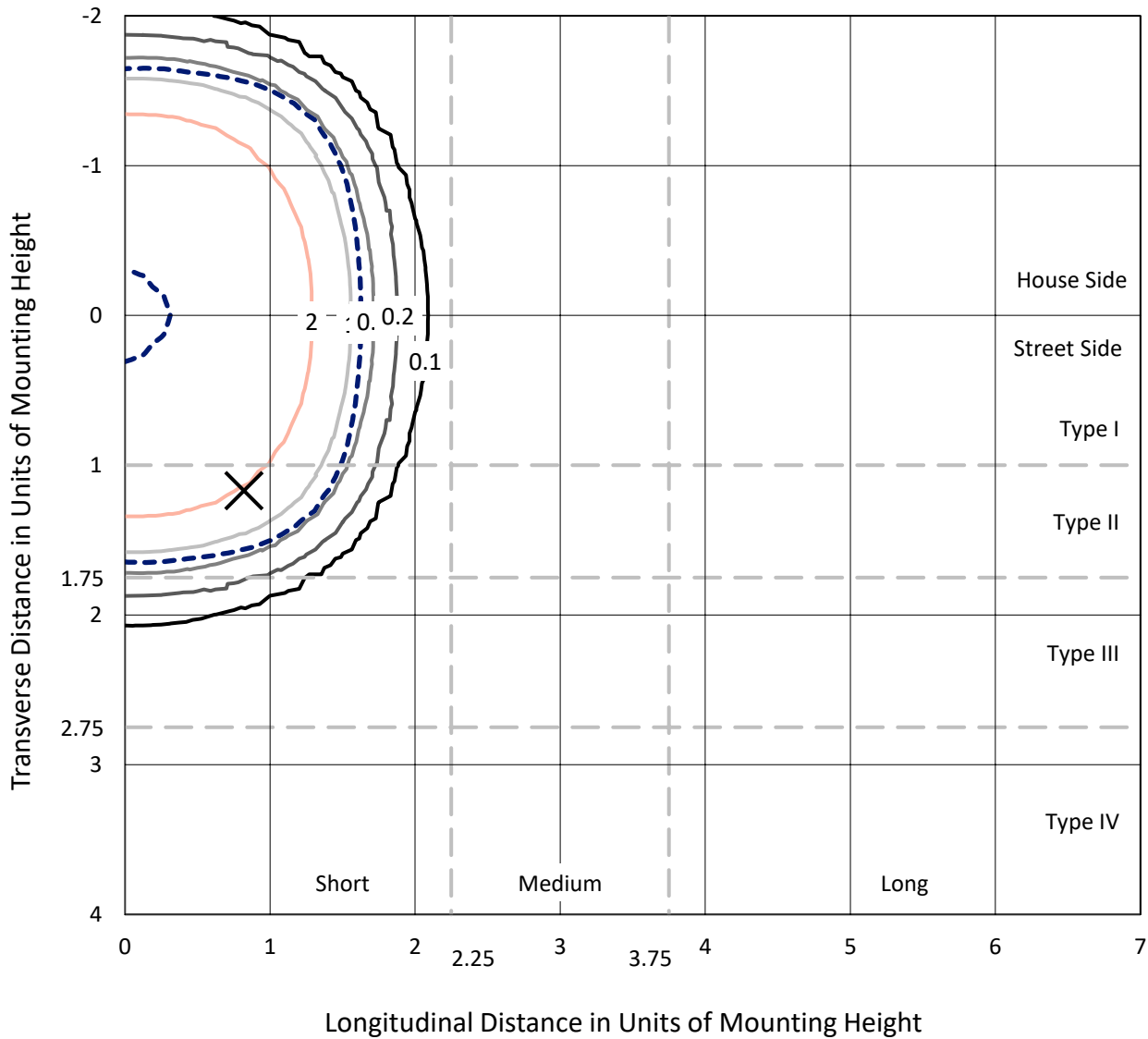


REPORT NUMBER: P636037

CATALOG NUMBER: GWS-SA3F-722-U-5NQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

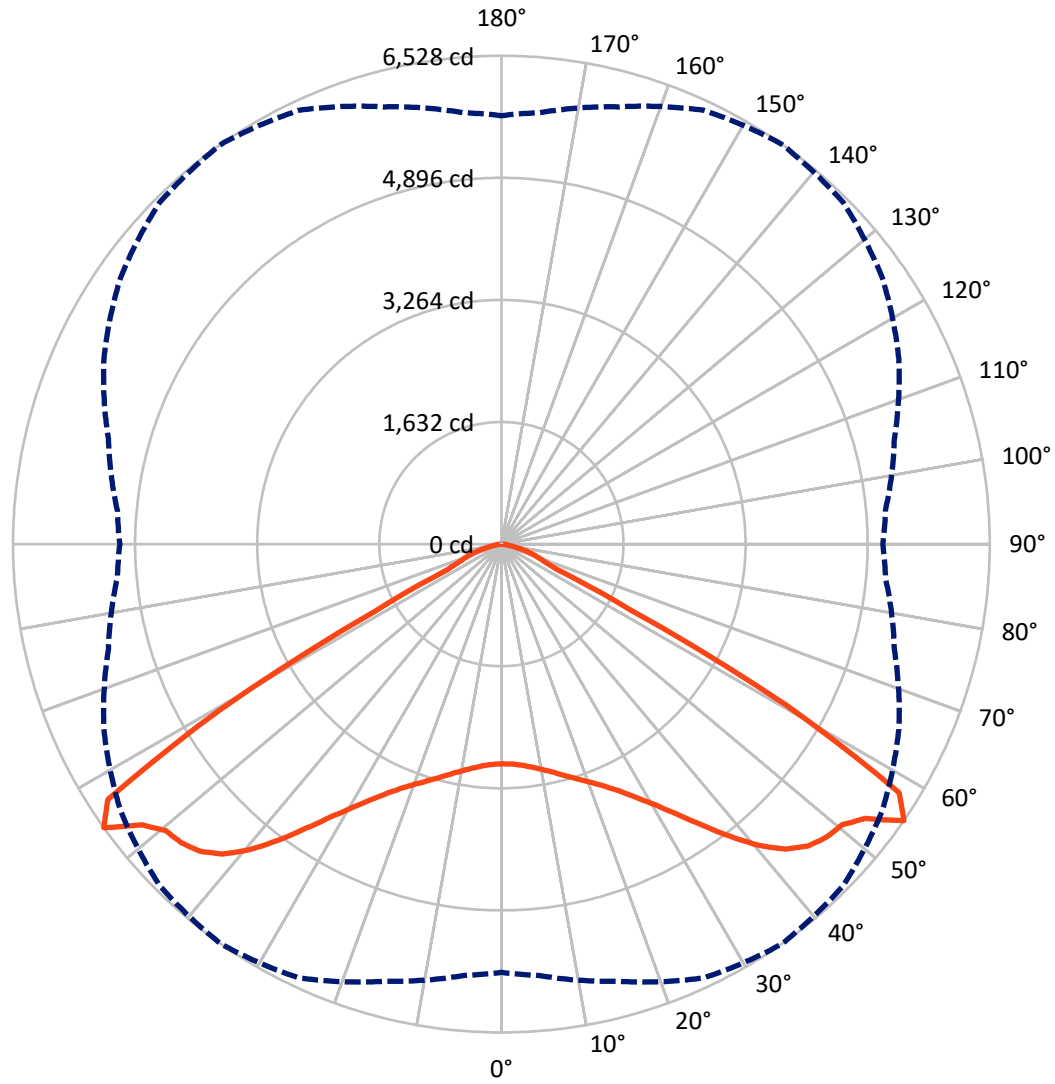
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type V - Short - N/A

REPORT NUMBER: P636037
CATALOG NUMBER: GWS-SA3F-722-U-5NQ-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636037

CATALOG NUMBER: GWS-SA3F-722-U-5NQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8163.6	0.0	8163.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8163.6	0.0	8163.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	16327.2	0.0	16327.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.5	1.8
10°-20°	912.1	5.6
20°-30°	1688.2	10.3
30°-40°	2824.0	17.3
40°-50°	4303.3	26.4
50°-60°	4820.6	29.5
60°-70°	1140.6	7.0
70°-80°	307.5	1.9
80°-90°	44.3	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°	16327.2	100.0
0°-180°	16327.2	100.0

Coefficient of Utilization



REPORT NUMBER: P636037

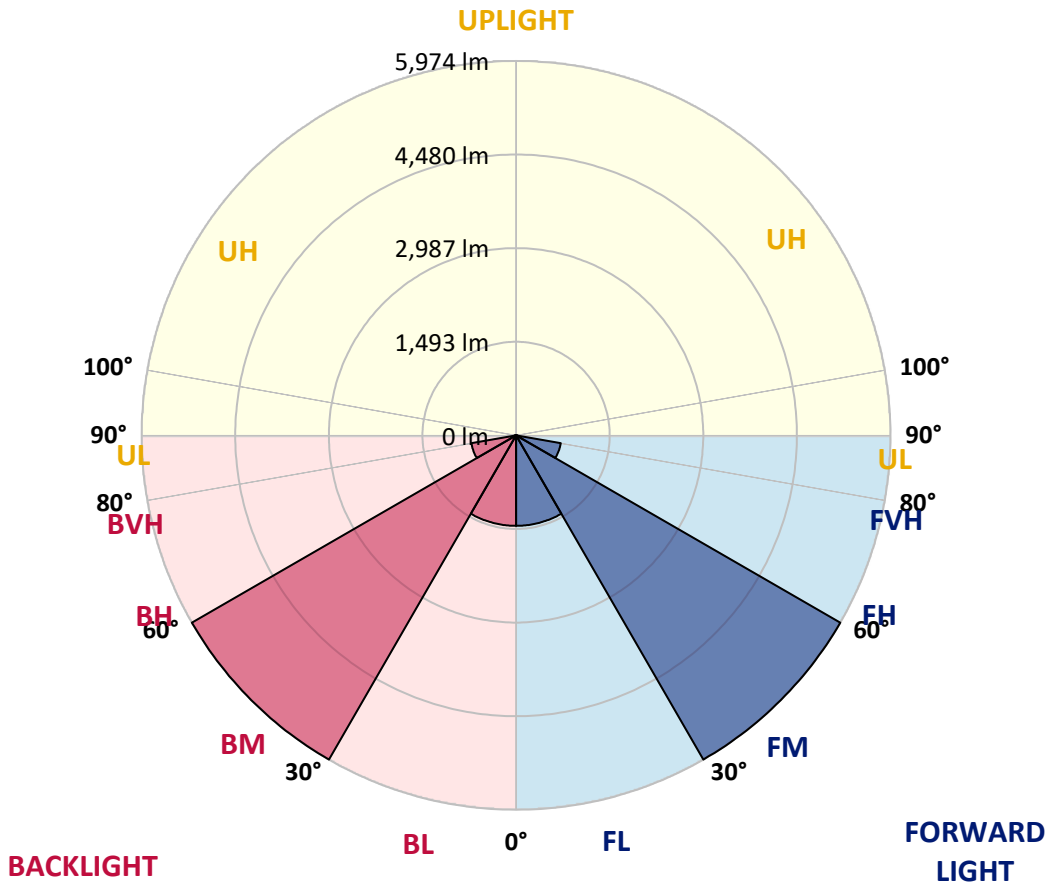
CATALOG NUMBER: GWS-SA3F-722-U-5NQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1443.4	8.8			
FM (30°-60°)	5974.0	36.6			
FH (60°-80°)	724.1	4.4			G1/1800
FVH (80°-90°)	22.1	0.1			G1/100
BL (0°-30°)	1443.4	8.8	B3/2500		
BM (30°-60°)	5974.0	36.6	B4/8500		
BH (60°-80°)	724.1	4.4	B2/1000		G1/1800
BVH (80°-90°)	22.1	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: P636037
 CATALOG NUMBER: GWS-SA3F-722-U-5NQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2937.3	2937.3	2937.3	2937.3	2937.3	2937.3	2937.3	2937.3	2937.3	2937.3	2937.3
2.5°	2930.9	2930.9	2936.0	2942.5	2943.8	2956.7	2954.1	2948.9	2946.3	2941.2	2952.8
5°	2963.1	2964.4	2968.3	2972.2	2969.6	2979.9	2976.0	2969.6	2965.7	2959.3	2970.9
7.5°	3005.7	3005.7	3009.6	3014.8	3012.2	3027.7	3019.9	3010.9	3004.4	2996.7	3007.0
10°	3044.5	3047.1	3050.9	3061.3	3066.4	3083.2	3078.0	3065.1	3054.8	3045.8	3057.4
12.5°	3102.6	3105.2	3109.0	3123.2	3132.3	3149.1	3141.3	3123.2	3107.7	3094.8	3107.7
15°	3177.5	3174.9	3185.2	3203.3	3214.9	3230.4	3221.4	3190.4	3169.7	3152.9	3165.8
17.5°	3253.6	3252.3	3262.7	3285.9	3302.7	3323.4	3307.9	3271.7	3249.8	3229.1	3242.0
20°	3336.3	3340.1	3350.5	3372.4	3396.9	3424.1	3411.1	3372.4	3347.9	3324.6	3335.0
22.5°	3438.3	3439.6	3451.2	3479.6	3511.9	3537.7	3529.9	3482.2	3451.2	3426.6	3439.6
25°	3560.9	3559.6	3575.1	3608.7	3653.9	3679.7	3662.9	3610.0	3576.4	3548.0	3558.3
27.5°	3701.7	3700.4	3723.6	3767.5	3832.1	3868.2	3833.3	3767.5	3721.0	3681.0	3690.0
30°	3878.5	3874.7	3900.5	3959.9	4043.8	4104.5	4052.8	3961.2	3900.5	3857.9	3866.9
32.5°	4074.8	4080.0	4112.2	4192.3	4298.2	4376.9	4299.4	4197.4	4116.1	4054.1	4064.5
35°	4290.4	4290.4	4356.3	4455.7	4606.7	4711.3	4591.2	4444.0	4335.6	4250.4	4253.0
37.5°	4530.6	4533.1	4619.6	4756.5	4954.0	5076.7	4914.0	4732.0	4600.3	4508.6	4503.4
40°	4823.6	4831.4	4920.5	5072.8	5294.9	5407.2	5232.9	5054.8	4920.5	4812.0	4801.7
42.5°	5154.2	5156.7	5251.0	5387.9	5575.1	5642.2	5505.4	5359.5	5249.7	5151.6	5141.3
45°	5469.2	5462.7	5544.1	5646.1	5754.5	5761.0	5684.8	5625.4	5529.9	5446.0	5430.5
47.5°	5714.5	5709.4	5782.9	5838.5	5851.4	5788.1	5812.6	5821.7	5710.6	5597.0	5567.3
50°	5864.3	5874.6	5944.3	5975.3	5899.1	5795.9	5888.8	5865.6	5706.8	5558.3	5510.5
52.5°	5954.7	5970.2	6091.5	6170.3	6091.5	5993.4	6006.3	5869.4	5640.9	5444.7	5382.7
55°	5726.1	5788.1	6050.2	6398.8	6527.9	6459.5	6214.2	5861.7	5438.2	5152.9	5099.9
57.5°	4243.9	4342.1	4730.7	5486.0	6271.0	6520.2	5803.6	4914.0	4272.3	3905.7	3874.7
60°	2166.5	2276.3	2587.4	3363.4	4373.0	4724.2	4042.5	3146.5	2500.9	2203.9	2170.4
62.5°	884.4	902.5	1004.5	1304.0	1932.8	2229.8	1958.6	1375.0	1032.9	951.6	952.8
65°	695.9	699.8	694.6	712.7	809.5	898.6	830.2	729.5	711.4	720.4	714.0
67.5°	606.8	608.1	604.2	604.2	608.1	604.2	612.0	615.9	618.4	628.8	622.3
70°	507.4	508.7	508.7	511.3	510.0	503.5	515.2	520.3	521.6	528.1	524.2
72.5°	392.5	396.4	399.0	400.2	399.0	395.1	401.5	410.6	409.3	415.7	409.3
75°	266.0	271.1	273.7	278.9	277.6	277.6	285.3	289.2	285.3	290.5	285.3
77.5°	151.1	154.9	162.7	167.8	173.0	176.9	182.0	184.6	183.3	185.9	183.3
80°	87.8	89.1	95.5	98.1	104.6	111.0	116.2	118.8	120.1	121.4	120.1
82.5°	50.4	51.6	54.2	56.8	62.0	67.1	72.3	76.2	76.2	77.5	76.2
85°	24.5	24.5	25.8	27.1	29.7	33.6	37.4	41.3	42.6	42.6	42.6
87.5°	3.9	3.9	5.2	5.2	6.5	7.7	10.3	12.9	14.2	14.2	14.2
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)