

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: P637853

Luminaire Tested: GWS-SA4D-760-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637853
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4D-760-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (64) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25823.5 lumens
Efficiency: N/A
Efficacy: 159.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

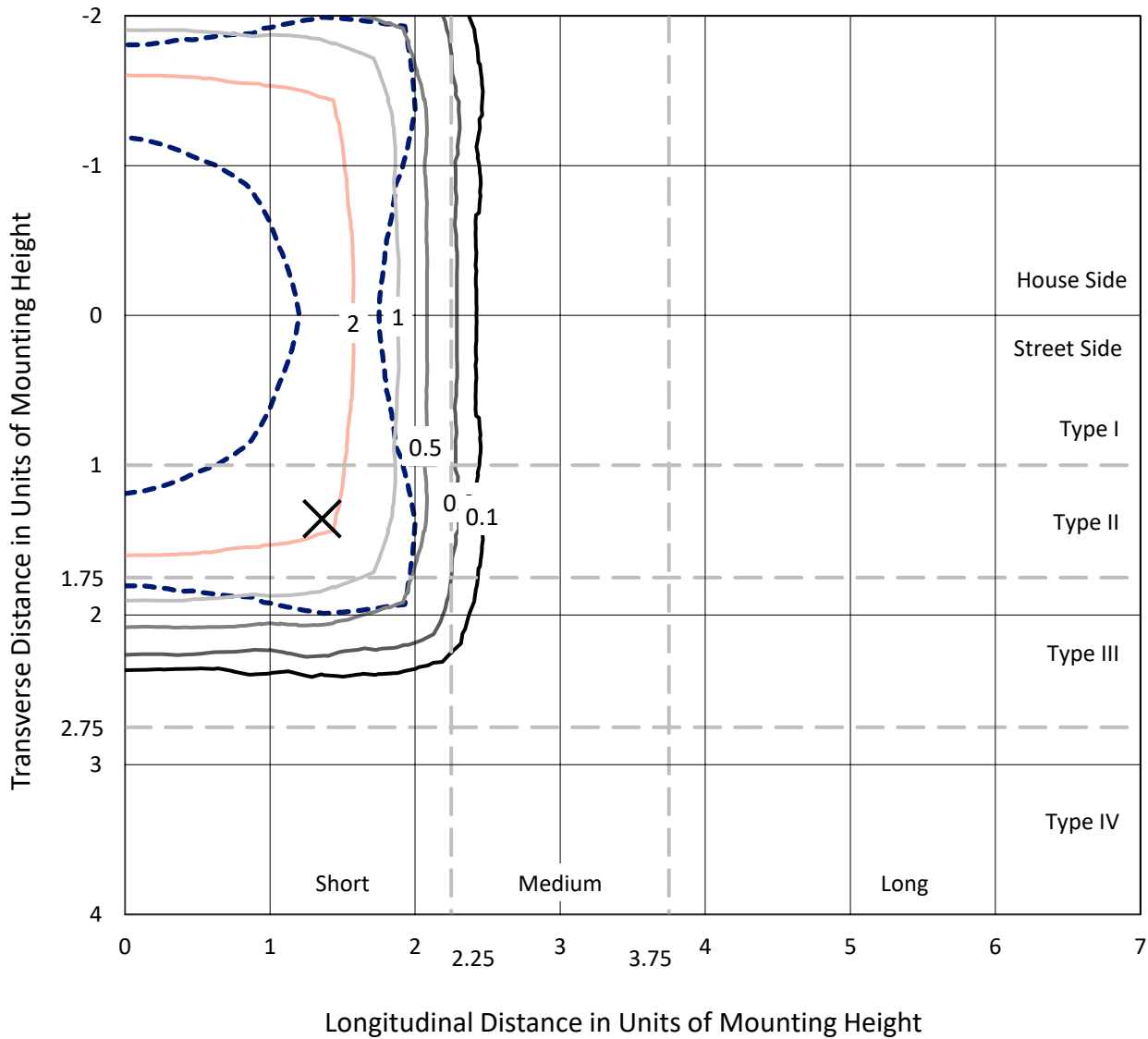
Input Watts (W): 162.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637853
 CATALOG NUMBER: GWS-SA4D-760-U-5NQ-W

Iso-Footcandle Lines of Horizontal Illumination

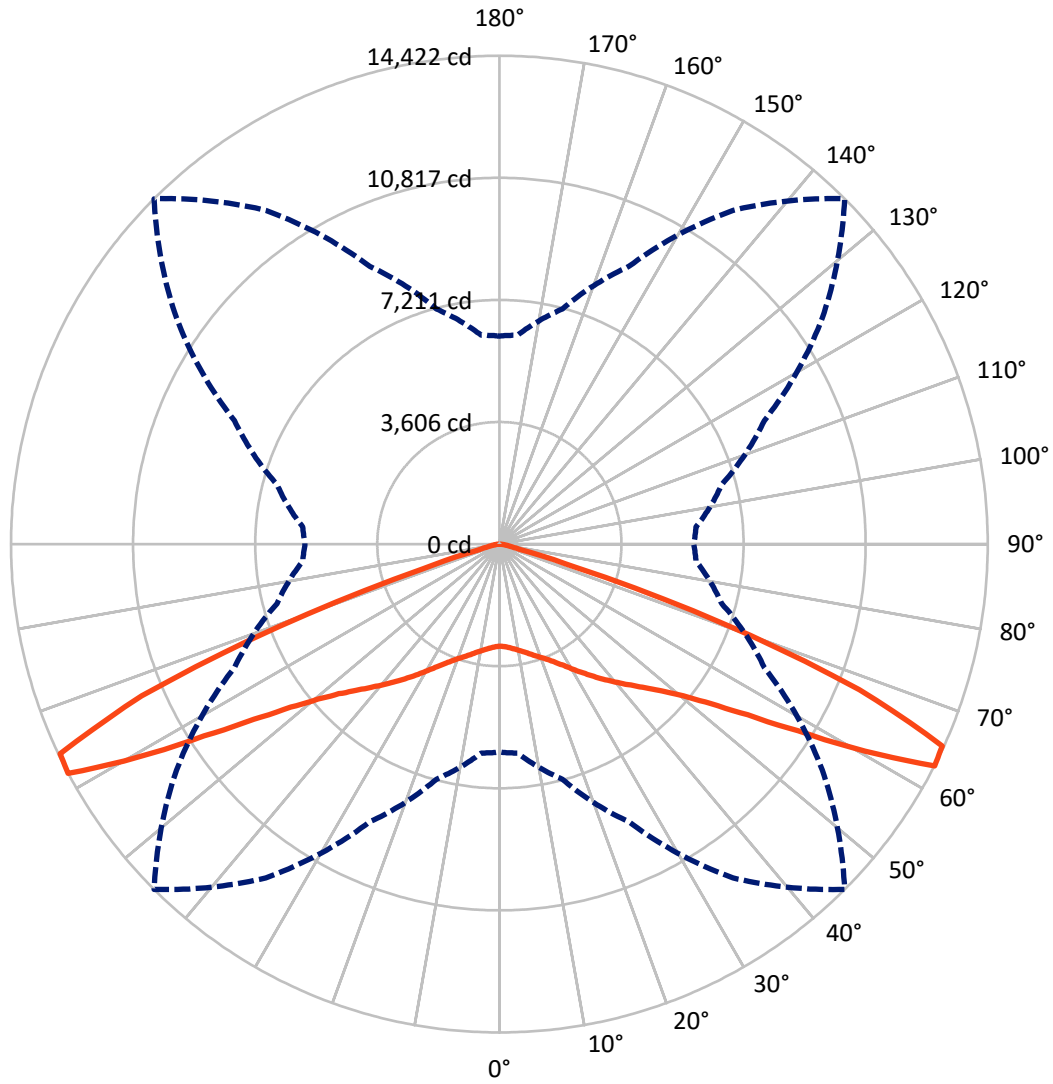
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Short - N/A

REPORT NUMBER: P637853
CATALOG NUMBER: GWS-SA4D-760-U-5NQ-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P637853

CATALOG NUMBER: GWS-SA4D-760-U-5NQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12911.7	0.0	12911.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12911.7	0.0	12911.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	25823.5	0.0	25823.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.6	1.1
10°-20°	953.2	3.7
20°-30°	1803.3	7.0
30°-40°	3035.3	11.8
40°-50°	4849.5	18.8
50°-60°	7817.2	30.3
60°-70°	6377.9	24.7
70°-80°	619.4	2.4
80°-90°	72.1	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°	25823.5	100.0
0°-180°	25823.5	100.0

Coefficient of Utilization



REPORT NUMBER: P637853

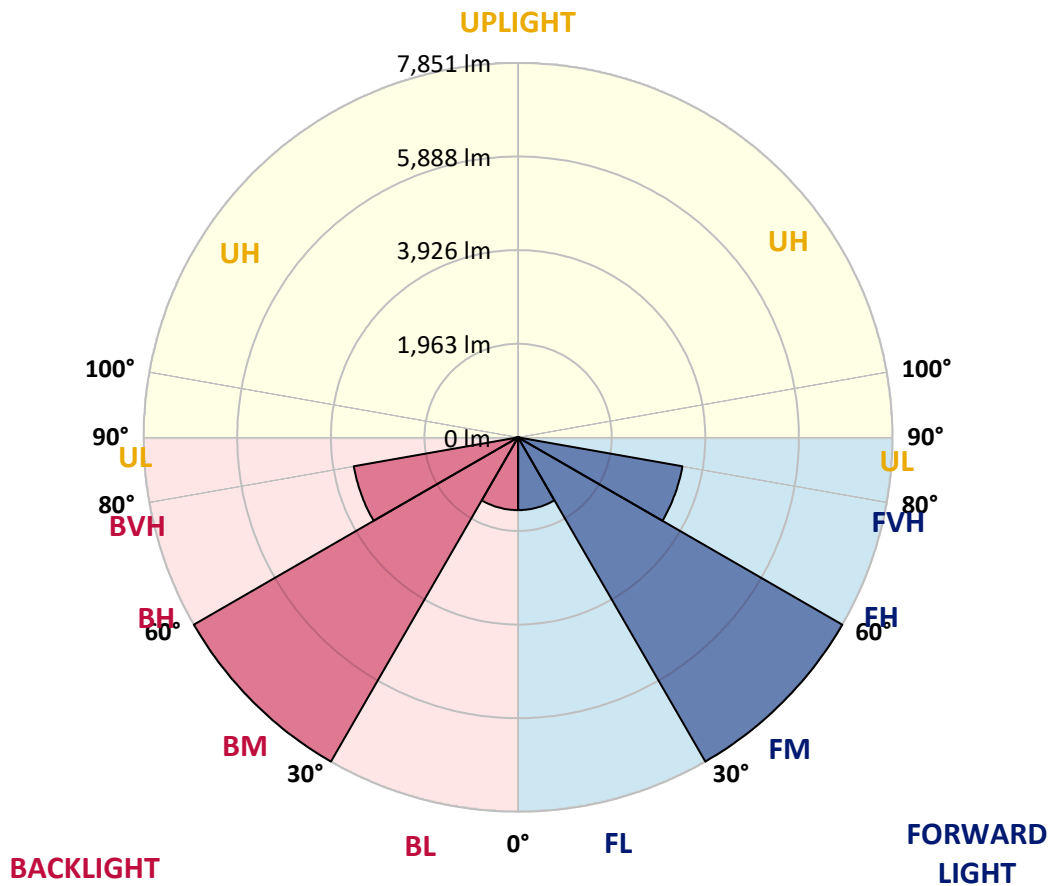
CATALOG NUMBER: GWS-SA4D-760-U-5NQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1526.1	5.9			
FM (30°-60°)	7851.0	30.4			
FH (60°-80°)	3498.6	13.5			G2/5000
FVH (80°-90°)	36.0	0.1			G1/100
BL (0°-30°)	1526.1	5.9	B3/2500		
BM (30°-60°)	7851.0	30.4	B4/8500		
BH (60°-80°)	3498.6	13.5	B4/5000		G2/5000
BVH (80°-90°)	36.0	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-G2

Type V Short





REPORT NUMBER: P637853
 CATALOG NUMBER: GWS-SA4D-760-U-5NQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3012.7	3012.7	3012.7	3012.7	3012.7	3012.7	3012.7	3012.7	3012.7	3012.7	3012.7
2.5°	3009.1	3009.1	3016.2	3021.5	3018.0	3032.1	3030.4	3026.8	3025.1	3019.7	3035.7
5°	3049.9	3049.9	3055.2	3060.5	3051.6	3069.3	3062.3	3058.7	3056.9	3049.9	3064.0
7.5°	3095.9	3101.2	3103.0	3111.8	3106.5	3126.0	3120.7	3113.6	3110.1	3101.2	3113.6
10°	3147.3	3150.8	3152.6	3168.5	3170.3	3193.3	3188.0	3179.1	3172.1	3163.2	3180.9
12.5°	3216.3	3218.1	3223.4	3242.9	3248.2	3265.9	3264.2	3251.8	3242.9	3230.5	3250.0
15°	3304.9	3306.7	3315.5	3335.0	3343.9	3365.1	3358.0	3338.5	3326.1	3312.0	3327.9
17.5°	3397.0	3404.1	3412.9	3432.4	3444.8	3469.6	3460.8	3439.5	3428.9	3414.7	3425.3
20°	3515.7	3517.4	3522.7	3544.0	3552.8	3581.2	3583.0	3561.7	3556.4	3542.2	3558.2
22.5°	3646.7	3648.5	3653.8	3676.8	3692.8	3710.5	3721.1	3708.7	3699.9	3682.1	3701.6
25°	3791.9	3809.7	3815.0	3843.3	3861.0	3871.6	3884.0	3878.7	3866.3	3845.1	3853.9
27.5°	3995.6	3999.2	4008.0	4039.9	4050.5	4061.2	4073.6	4075.3	4057.6	4032.8	4045.2
30°	4227.6	4225.9	4245.4	4270.1	4279.0	4287.9	4305.6	4316.2	4293.2	4266.6	4279.0
32.5°	4465.0	4486.2	4511.0	4534.0	4528.7	4532.3	4560.6	4580.1	4548.2	4500.4	4511.0
35°	4732.4	4746.6	4778.5	4812.1	4805.0	4799.7	4817.4	4836.9	4792.6	4730.6	4746.6
37.5°	5006.9	5028.2	5076.0	5116.7	5106.1	5081.3	5100.8	5122.1	5079.5	5008.7	5001.6
40°	5313.3	5347.0	5416.1	5449.7	5421.4	5373.6	5407.2	5458.6	5416.1	5334.6	5315.1
42.5°	5672.9	5713.6	5782.7	5834.0	5772.1	5694.1	5750.8	5825.2	5814.6	5706.5	5672.9
45°	6117.4	6144.0	6229.0	6253.8	6161.7	6053.7	6156.4	6269.7	6243.2	6126.3	6082.0
47.5°	6600.9	6641.7	6716.1	6762.1	6613.3	6478.7	6622.2	6774.5	6746.2	6636.4	6585.0
50°	7217.3	7270.4	7367.8	7406.8	7201.3	7047.2	7231.4	7424.5	7369.6	7222.6	7155.3
52.5°	7888.5	7931.0	8097.5	8175.4	7982.4	7815.9	7977.1	8166.6	8049.7	7854.9	7764.5
55°	8480.1	8522.6	8767.0	9025.6	9016.7	8901.6	8983.1	8986.6	8669.6	8347.2	8251.6
57.5°	8607.6	8650.1	9115.9	9792.5	10270.7	10403.5	10164.4	9661.4	8862.6	8297.7	8189.6
60°	7927.5	7975.3	8715.6	9951.9	11524.6	12411.9	11310.3	9647.2	8265.8	7500.7	7397.9
62.5°	6142.2	6193.6	7188.9	9045.1	12031.2	14422.2	11643.3	8632.4	6799.3	5830.5	5740.2
65°	2933.0	2933.0	4197.5	6487.6	11021.6	14374.3	10679.8	6386.6	4093.0	3143.7	3065.8
67.5°	726.2	729.7	1080.4	2525.6	7497.1	11471.5	7619.3	3065.8	1441.7	1020.2	993.6
70°	453.4	451.6	501.2	683.6	2623.0	6962.2	3115.4	924.5	586.2	517.2	513.6
72.5°	352.5	352.5	377.2	437.5	687.2	2371.5	908.6	513.6	425.1	382.6	382.6
75°	278.1	278.1	295.8	327.7	405.6	611.0	483.5	380.8	329.4	301.1	297.5
77.5°	207.2	210.8	224.9	246.2	276.3	343.6	306.4	286.9	256.8	235.6	228.5
80°	134.6	139.9	157.6	170.0	180.7	226.7	200.1	209.0	194.8	170.0	166.5
82.5°	72.6	74.4	95.6	99.2	102.7	124.0	127.5	132.8	138.1	108.0	101.0
85°	26.6	26.6	31.9	37.2	40.7	44.3	60.2	74.4	77.9	62.0	60.2
87.5°	5.3	5.3	5.3	3.5	3.5	3.5	10.6	19.5	31.9	24.8	24.8
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)