

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: P637360

Luminaire Tested: GWS-SA4C-760-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637360
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-760-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (64) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16539.9 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

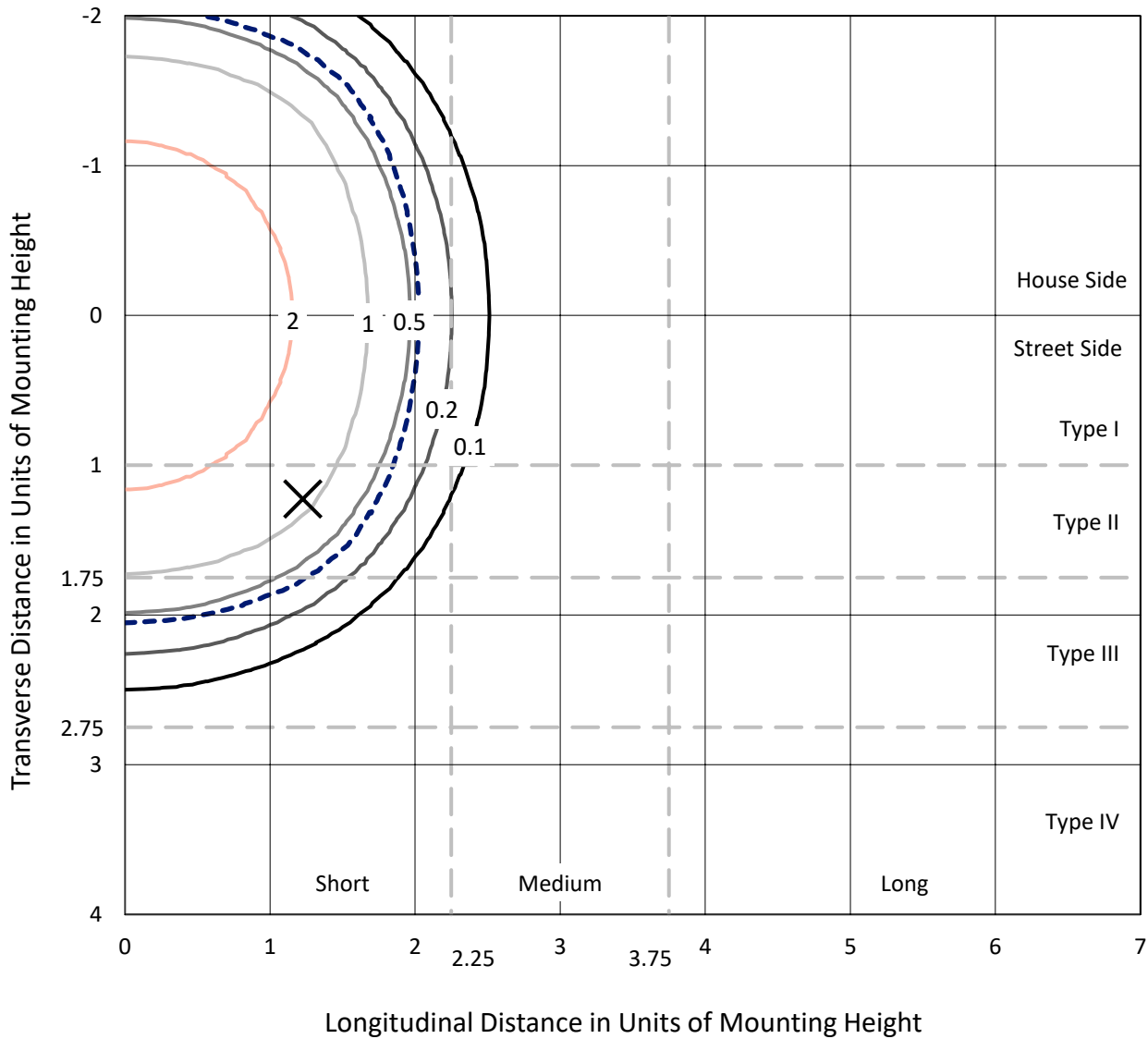
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637360
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Iso-Footcandle Lines of Horizontal Illumination

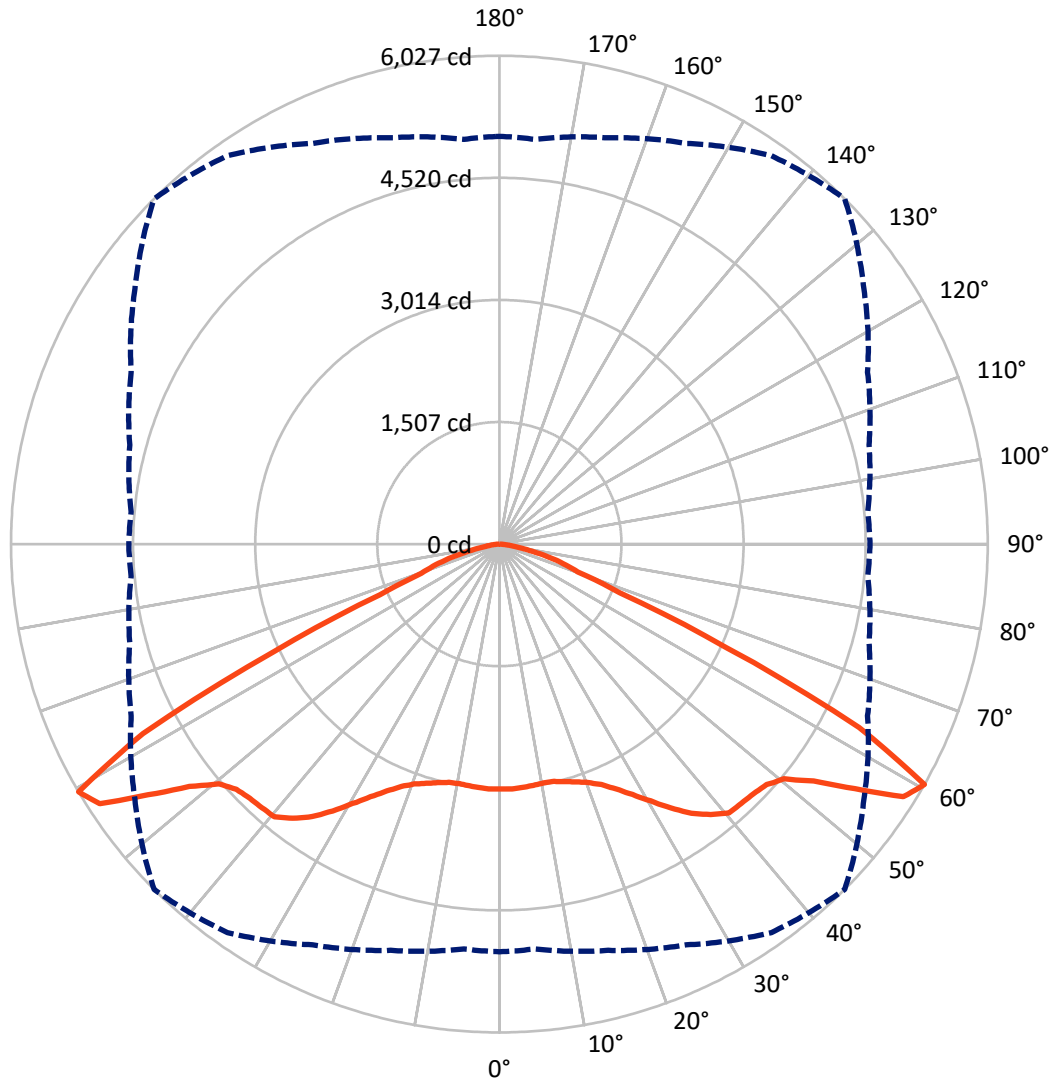
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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CATALOG NUMBER: GWS-SA4C-760-U-5WQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8269.9	0.0	8269.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8269.9	0.0	8269.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	16539.9	0.0	16539.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.7	1.7
10°-20°	862.2	5.2
20°-30°	1525.4	9.2
30°-40°	2455.9	14.8
40°-50°	3375.6	20.4
50°-60°	4498.3	27.2
60°-70°	2803.6	17.0
70°-80°	644.7	3.9
80°-90°	87.5	0.5
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°	16539.9	100.0
0°-180°	16539.9	100.0

Coefficient of Utilization



REPORT NUMBER: P637360

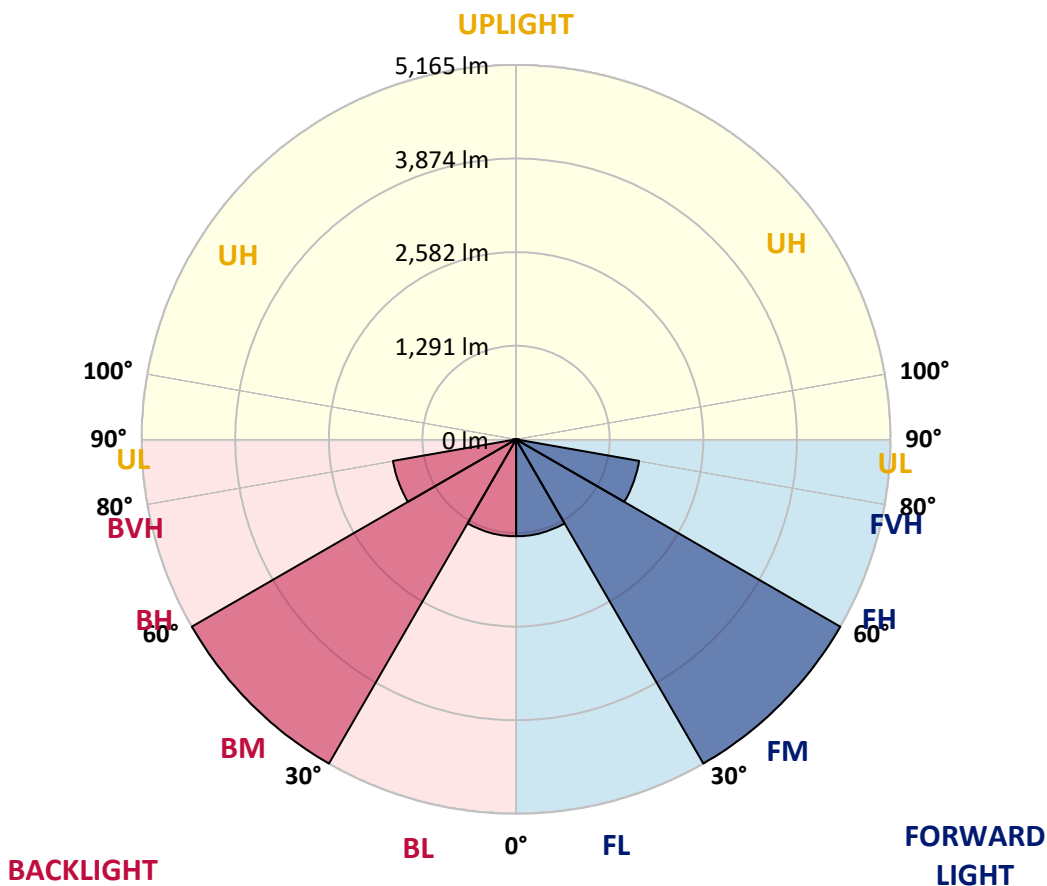
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1337.1	8.1			
FM (30°-60°)	5164.9	31.2			
FH (60°-80°)	1724.1	10.4			G1/1800
FVH (80°-90°)	43.7	0.3			G1/100
BL (0°-30°)	1337.1	8.1	B3/2500		
BM (30°-60°)	5164.9	31.2	B4/8500		
BH (60°-80°)	1724.1	10.4	B3/2500		G1/1800
BVH (80°-90°)	43.7	0.3			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°	3022.6	3022.6	3022.6	3022.6	3022.6	3022.6	3022.6	3022.6	3022.6	3022.6	3022.6
2.5°	3001.6	3004.4	3010.0	3014.2	3019.8	3025.5	3028.3	3022.6	3019.8	3008.6	3021.2
5°	3004.4	3007.2	3011.4	3011.4	3012.8	3017.0	3017.0	3010.0	3003.0	2990.4	3004.4
7.5°	3000.2	3003.0	3004.4	3003.0	3004.4	3005.8	3003.0	2994.6	2987.5	2976.3	2987.5
10°	2993.2	2996.0	2998.8	2996.0	2993.2	2997.4	2997.4	2991.8	2987.5	2976.3	2988.9
12.5°	3008.6	3012.8	3014.2	3007.2	3004.4	3005.8	3005.8	3000.2	3000.2	2990.4	3004.4
15°	3045.1	3047.9	3043.7	3035.3	3036.7	3040.9	3031.1	3017.0	3014.2	3010.0	3021.2
17.5°	3073.2	3076.0	3071.8	3066.2	3076.0	3085.8	3067.6	3040.9	3032.5	3029.7	3042.3
20°	3104.1	3108.3	3102.7	3109.7	3129.3	3140.6	3118.1	3081.6	3064.8	3060.5	3076.0
22.5°	3154.6	3160.2	3160.2	3175.7	3205.2	3223.4	3195.3	3146.2	3120.9	3113.9	3129.3
25°	3234.6	3238.8	3243.1	3273.9	3321.7	3346.9	3302.0	3234.6	3199.5	3188.3	3196.7
27.5°	3345.5	3352.6	3359.6	3404.5	3463.5	3500.0	3435.4	3351.2	3307.6	3285.2	3302.0
30°	3477.5	3487.3	3504.2	3554.7	3637.6	3678.3	3595.4	3493.0	3443.8	3420.0	3442.4
32.5°	3657.2	3658.6	3671.3	3727.4	3836.9	3883.2	3779.4	3665.6	3615.1	3587.0	3599.7
35°	3870.6	3872.0	3852.4	3909.9	4027.9	4079.8	3957.7	3842.5	3800.4	3792.0	3824.3
37.5°	4089.6	4077.0	4057.3	4082.6	4201.9	4235.6	4106.5	4008.2	3989.9	4005.4	4053.1
40°	4245.5	4224.4	4185.1	4203.3	4324.1	4363.4	4225.8	4133.1	4127.5	4165.4	4223.0
42.5°	4346.5	4324.1	4277.7	4277.7	4360.6	4377.4	4270.7	4221.6	4234.2	4277.7	4332.5
45°	4395.7	4383.0	4356.4	4342.3	4388.7	4395.7	4314.3	4294.6	4318.5	4339.5	4381.6
47.5°	4433.6	4433.6	4425.2	4411.1	4432.2	4436.4	4376.0	4370.4	4401.3	4401.3	4429.4
50°	4501.0	4508.0	4519.2	4516.4	4538.9	4552.9	4508.0	4499.6	4512.2	4471.5	4485.5
52.5°	4677.9	4696.1	4728.4	4753.7	4811.2	4854.8	4774.7	4707.3	4641.4	4551.5	4554.3
55°	4995.2	5003.6	5066.8	5141.2	5238.0	5326.5	5162.2	4953.0	4809.8	4704.5	4705.9
57.5°	5263.3	5275.9	5368.6	5524.4	5742.0	5879.6	5516.0	5166.4	4964.3	4835.1	4839.3
60°	5031.7	5014.8	5190.3	5457.0	5851.5	6027.0	5490.7	5013.4	4722.8	4562.7	4574.0
62.5°	3893.1	3860.8	4055.9	4335.3	4808.4	4983.9	4489.7	4032.1	3756.9	3631.9	3613.7
65°	2369.8	2340.3	2480.7	2652.0	2972.1	3083.0	2857.0	2614.1	2374.0	2298.2	2277.2
67.5°	1290.2	1286.0	1323.9	1408.1	1548.5	1600.5	1556.9	1441.8	1380.1	1326.7	1326.7
70°	1023.5	1015.0	1008.0	1009.4	1022.1	1029.1	1030.5	1024.9	1031.9	1033.3	1027.7
72.5°	848.0	845.2	831.1	832.5	826.9	824.1	833.9	839.5	850.8	852.2	852.2
75°	614.9	607.9	614.9	616.3	610.7	610.7	617.7	616.3	621.9	624.7	609.3
77.5°	349.6	349.6	359.4	370.6	379.1	379.1	386.1	386.1	393.1	391.7	388.9
80°	192.3	192.3	198.0	205.0	213.4	221.8	228.8	230.2	234.5	233.1	228.8
82.5°	109.5	110.9	113.7	117.9	126.4	133.4	140.4	141.8	146.0	146.0	141.8
85°	51.9	50.5	51.9	54.8	59.0	64.6	71.6	75.8	78.6	78.6	75.8
87.5°	9.8	11.2	9.8	11.2	12.6	16.8	19.7	22.5	26.7	28.1	25.3
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)