

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: P637630

Luminaire Tested: GWS-SA4D-730-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637630
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4D-730-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (64) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23093.7 lumens
Efficiency: N/A
Efficacy: 142.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

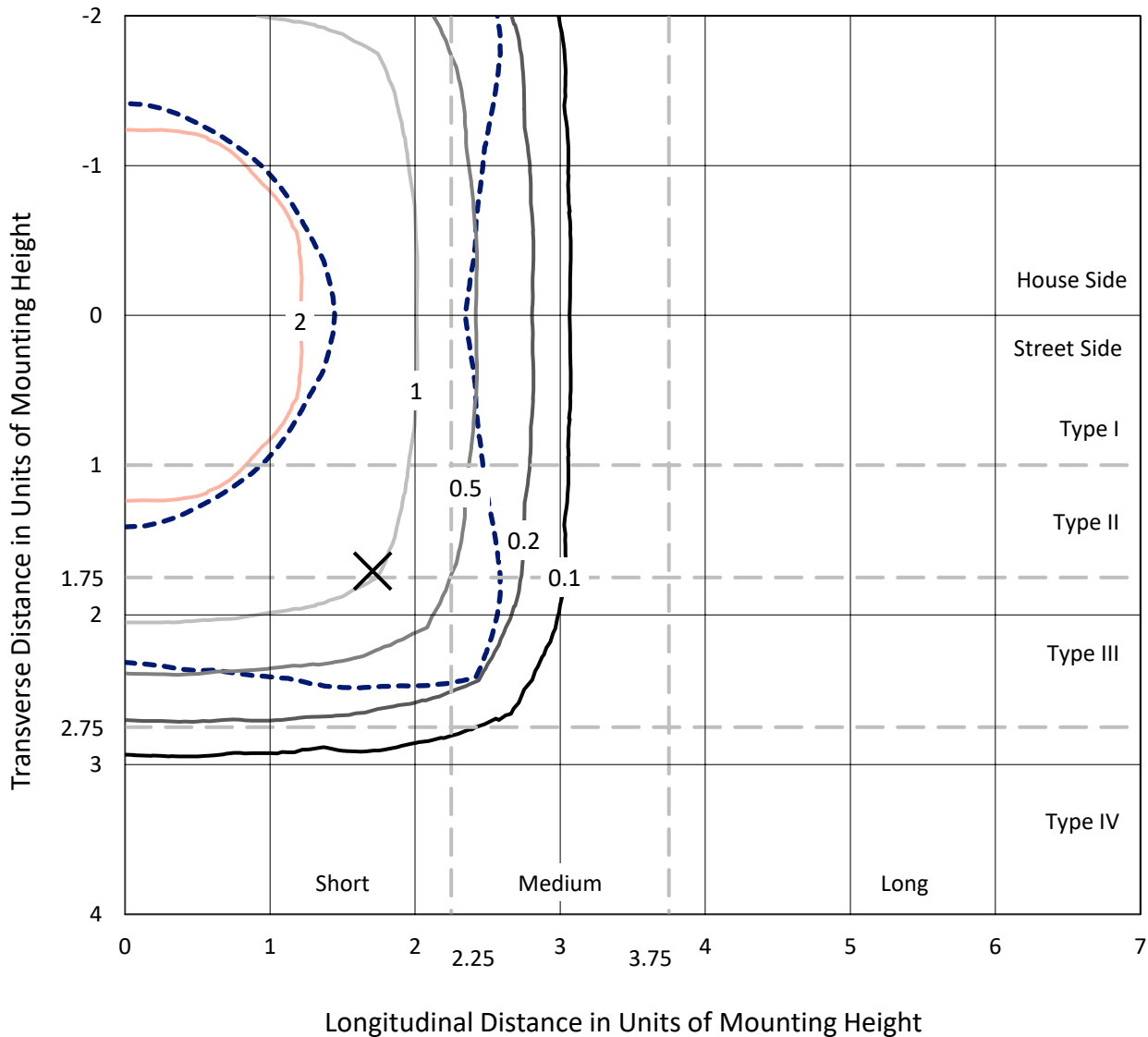
Input Watts (W): 162.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637630
 CATALOG NUMBER: GWS-SA4D-730-U-5MQ-W

Iso-Footcandle Lines of Horizontal Illumination

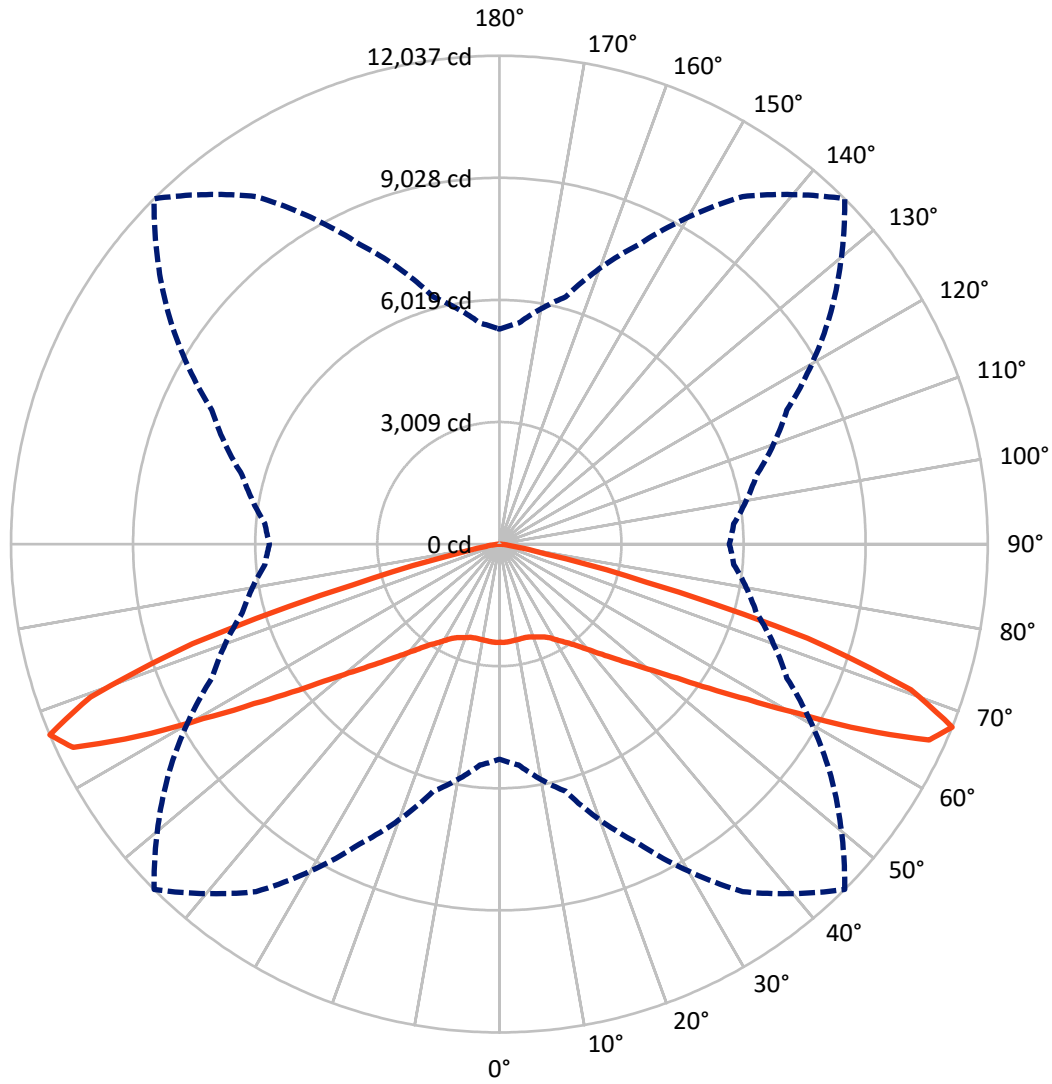
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type V - Short - N/A

REPORT NUMBER: P637630
CATALOG NUMBER: GWS-SA4D-730-U-5MQ-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P637630

CATALOG NUMBER: GWS-SA4D-730-U-5MQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11546.9	0.0	11546.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11546.9	0.0	11546.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	23093.7	0.0	23093.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.9	1.0
10°-20°	672.4	2.9
20°-30°	1159.6	5.0
30°-40°	1885.6	8.2
40°-50°	3174.9	13.7
50°-60°	5625.4	24.4
60°-70°	8041.1	34.8
70°-80°	2207.0	9.6
80°-90°	98.9	0.4
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°	23093.7	100.0
0°-180°	23093.7	100.0

Coefficient of Utilization



REPORT NUMBER: P637630

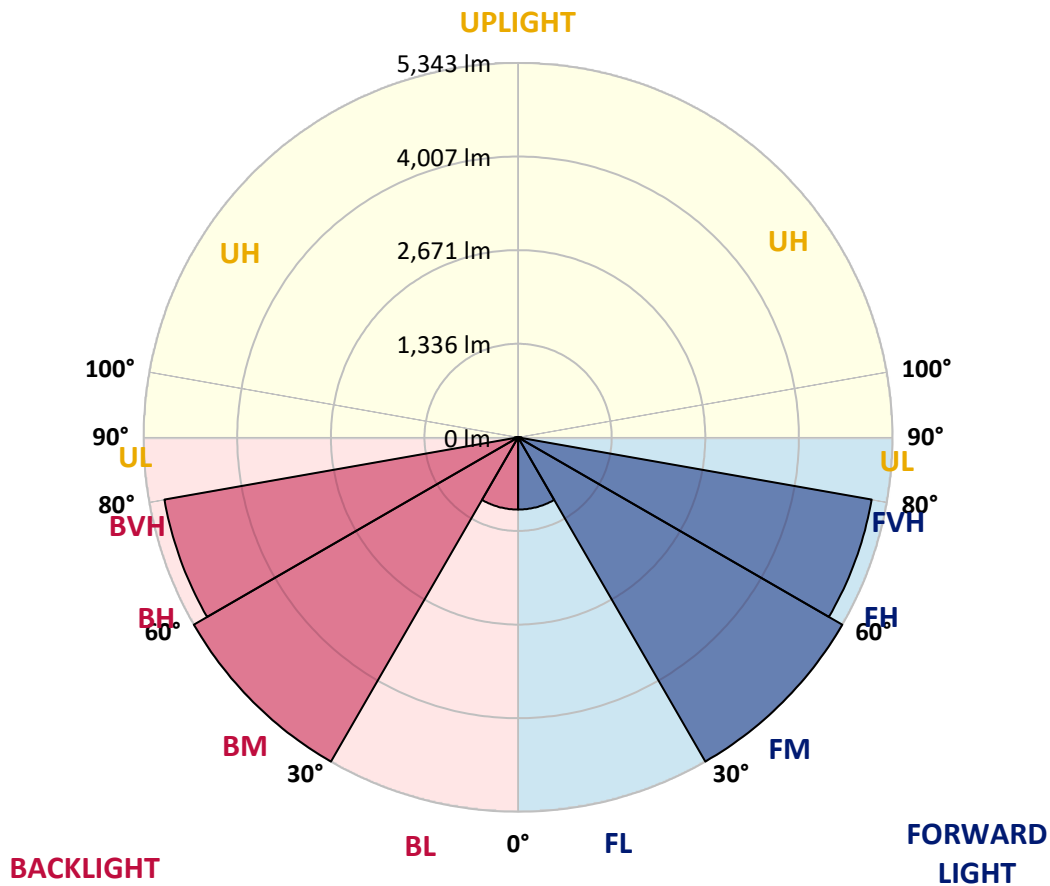
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1030.4	4.5			
FM (30°-60°)	5343.0	23.1			
FH (60°-80°)	5124.0	22.2			G3/7500
FVH (80°-90°)	49.4	0.2			G1/100
BL (0°-30°)	1030.4	4.5	B3/2500		
BM (30°-60°)	5343.0	23.1	B4/8500		
BH (60°-80°)	5124.0	22.2	B5		G3/7500
BVH (80°-90°)	49.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2418.7	2418.7	2418.7	2418.7	2418.7	2418.7	2418.7	2418.7	2418.7	2418.7	2418.7
2.5°	2402.7	2401.1	2409.1	2413.9	2412.3	2423.5	2421.9	2418.7	2418.7	2413.9	2426.7
5°	2402.7	2401.1	2407.5	2409.1	2405.9	2415.5	2412.3	2409.1	2409.1	2402.7	2413.9
7.5°	2389.9	2391.5	2396.3	2399.5	2396.3	2404.3	2399.5	2393.1	2391.5	2385.1	2396.3
10°	2365.9	2367.5	2372.3	2380.3	2381.9	2396.3	2388.3	2377.1	2372.3	2365.9	2377.1
12.5°	2351.5	2353.1	2357.9	2367.5	2370.7	2389.9	2381.9	2364.3	2356.3	2349.9	2361.1
15°	2348.3	2349.9	2356.3	2365.9	2370.7	2389.9	2381.9	2361.1	2349.9	2341.9	2351.5
17.5°	2348.3	2351.5	2361.1	2375.5	2385.1	2404.3	2394.7	2370.7	2354.7	2340.3	2349.9
20°	2349.9	2354.7	2369.1	2389.9	2413.9	2441.0	2428.2	2396.3	2373.9	2356.3	2362.7
22.5°	2364.3	2372.3	2389.9	2417.1	2452.2	2484.2	2473.0	2429.8	2397.9	2373.9	2380.3
25°	2413.9	2417.1	2439.4	2474.6	2508.2	2535.4	2524.2	2484.2	2444.2	2415.5	2423.5
27.5°	2501.8	2509.8	2529.0	2565.7	2594.5	2608.9	2607.3	2580.1	2540.2	2514.6	2521.0
30°	2607.3	2615.3	2640.9	2682.4	2711.2	2727.2	2722.4	2701.6	2664.8	2629.7	2636.1
32.5°	2730.4	2733.6	2764.0	2810.3	2840.7	2864.7	2848.7	2826.3	2779.9	2738.4	2741.6
35°	2887.0	2891.8	2923.8	2967.0	2991.0	3010.1	3006.9	2984.6	2935.0	2890.2	2901.4
37.5°	3083.7	3086.9	3115.6	3170.0	3189.2	3203.6	3206.8	3195.6	3144.4	3086.9	3098.1
40°	3328.3	3329.9	3361.8	3409.8	3430.6	3440.2	3441.8	3443.4	3390.6	3347.4	3344.2
42.5°	3612.8	3620.8	3665.6	3711.9	3721.5	3716.7	3732.7	3748.7	3697.5	3638.4	3643.2
45°	3953.3	3958.1	4018.8	4070.0	4052.4	4036.4	4066.8	4098.8	4052.4	3975.7	3953.3
47.5°	4356.1	4365.7	4431.3	4482.4	4453.7	4424.9	4474.4	4508.0	4432.9	4351.3	4330.6
50°	4811.7	4818.1	4910.9	4974.8	4941.2	4888.5	4950.8	4986.0	4885.3	4784.6	4739.8
52.5°	5350.5	5337.7	5460.8	5572.7	5551.9	5483.1	5534.3	5540.7	5390.4	5248.2	5203.4
55°	6007.5	5994.7	6117.8	6240.9	6292.0	6274.4	6250.5	6212.1	5989.9	5838.0	5796.5
57.5°	6773.2	6733.2	6905.9	7072.1	7184.0	7216.0	7113.7	7024.2	6848.3	6661.3	6613.3
60°	7484.6	7483.0	7756.3	8044.1	8351.0	8478.9	8219.9	7976.9	7582.1	7241.6	7172.8
62.5°	7684.4	7718.0	8165.6	8878.5	9636.3	10088.7	9406.1	8602.0	7839.5	7326.3	7235.2
65°	7192.0	7275.2	7911.4	9036.8	10533.1	11639.3	10098.3	8616.4	7553.3	6913.9	6818.0
67.5°	5300.9	5467.2	6309.6	8154.4	10456.3	12037.3	9975.2	7818.7	6560.6	5799.7	5667.0
70°	2615.3	2773.5	3441.8	5364.8	8603.6	10760.1	8630.8	5892.4	4431.3	3699.1	3577.6
72.5°	962.3	1026.3	1288.5	2295.6	4747.8	7948.2	5902.0	3291.5	2146.9	1708.9	1627.4
75°	471.6	482.8	522.7	770.5	1752.0	3740.7	2773.5	1262.9	789.7	687.4	665.0
77.5°	300.5	305.3	324.5	367.7	562.7	1178.2	840.9	498.8	386.9	370.9	370.9
80°	167.9	172.6	198.2	228.6	263.8	404.4	302.1	298.9	254.2	222.2	217.4
82.5°	79.9	87.9	126.3	124.7	139.1	203.0	177.4	161.5	163.1	123.1	116.7
85°	36.8	36.8	49.6	59.1	62.3	68.7	81.5	92.7	91.1	62.3	67.1
87.5°	17.6	17.6	17.6	16.0	14.4	12.8	17.6	28.8	41.6	28.8	27.2
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)