

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: P637628

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637628
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13625.1 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

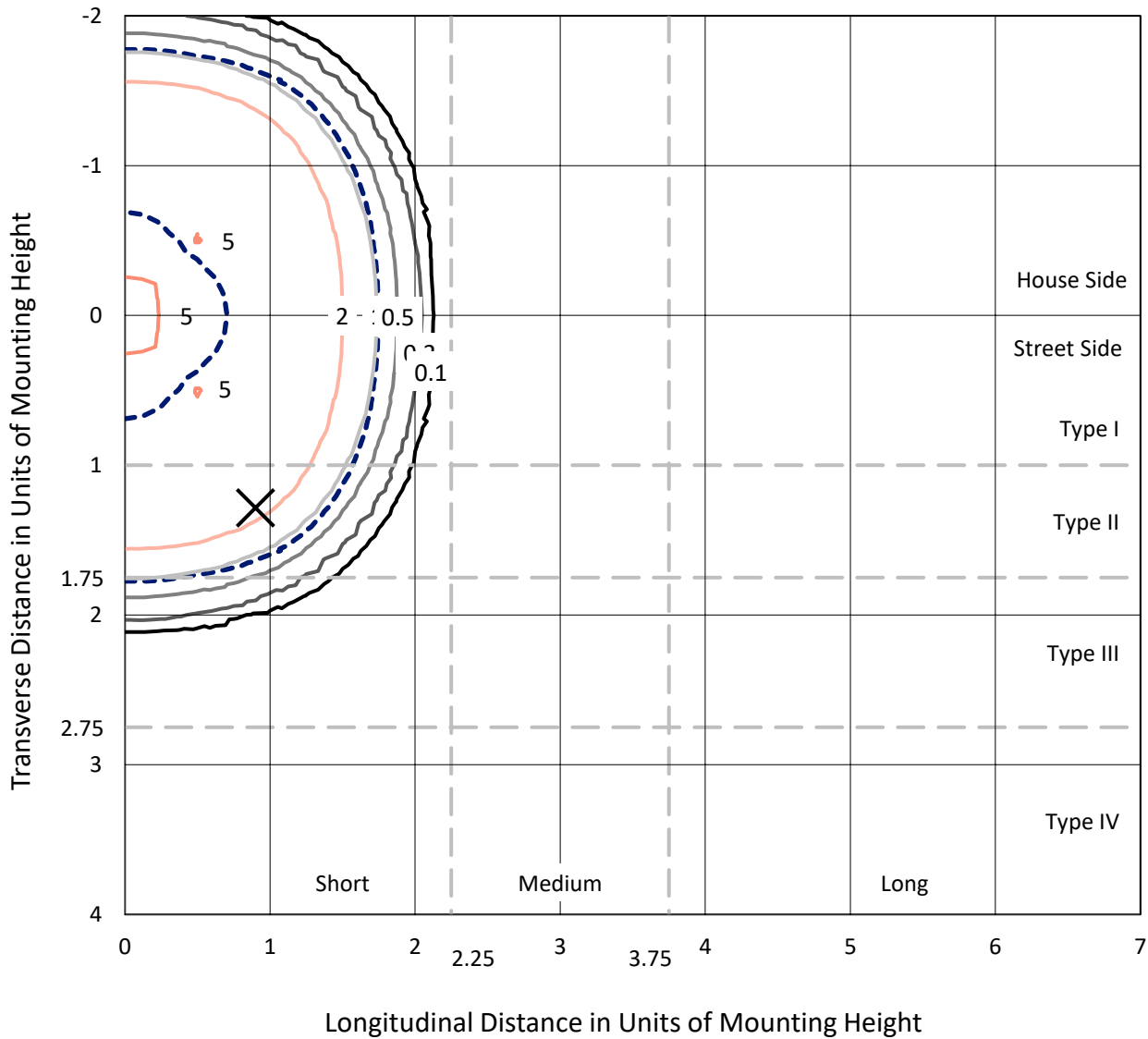
Input Watts (W): 162.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

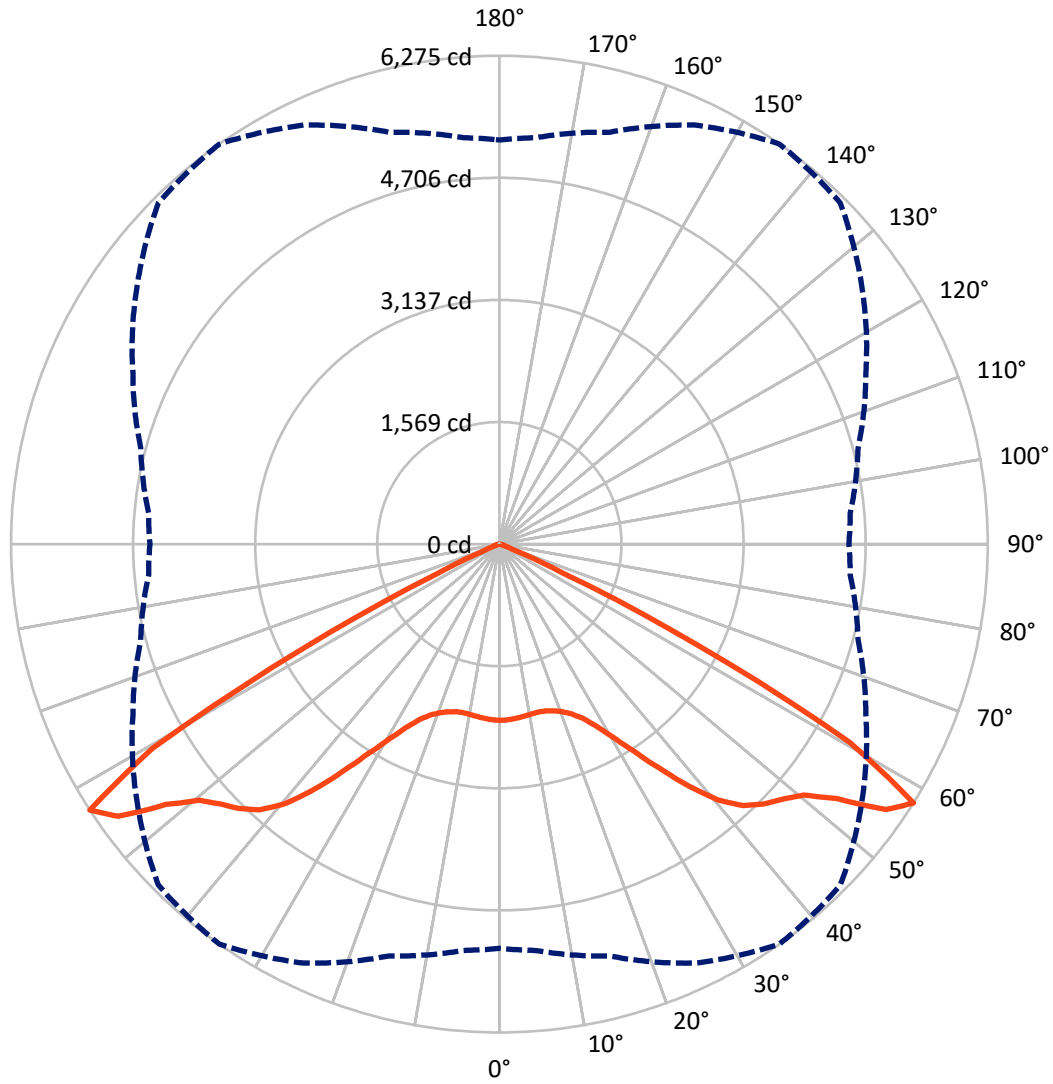
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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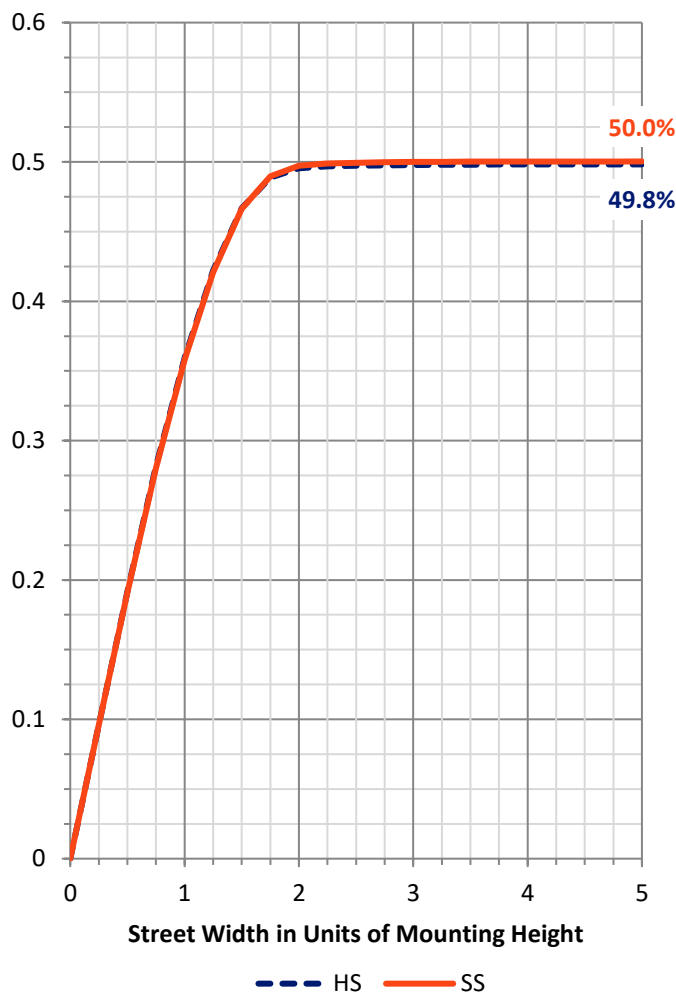
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6812.5	0.0	6812.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6812.5	0.0	6812.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13625.1	0.0	13625.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.4	1.6
10°-20°	627.8	4.6
20°-30°	1134.8	8.3
30°-40°	2117.1	15.5
40°-50°	3551.4	26.1
50°-60°	4690.0	34.4
60°-70°	1245.6	9.1
70°-80°	44.2	0.3
80°-90°	0.8	0.0
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°	13625.1	100.0
0°-180°	13625.1	100.0

Coefficient of Utilization



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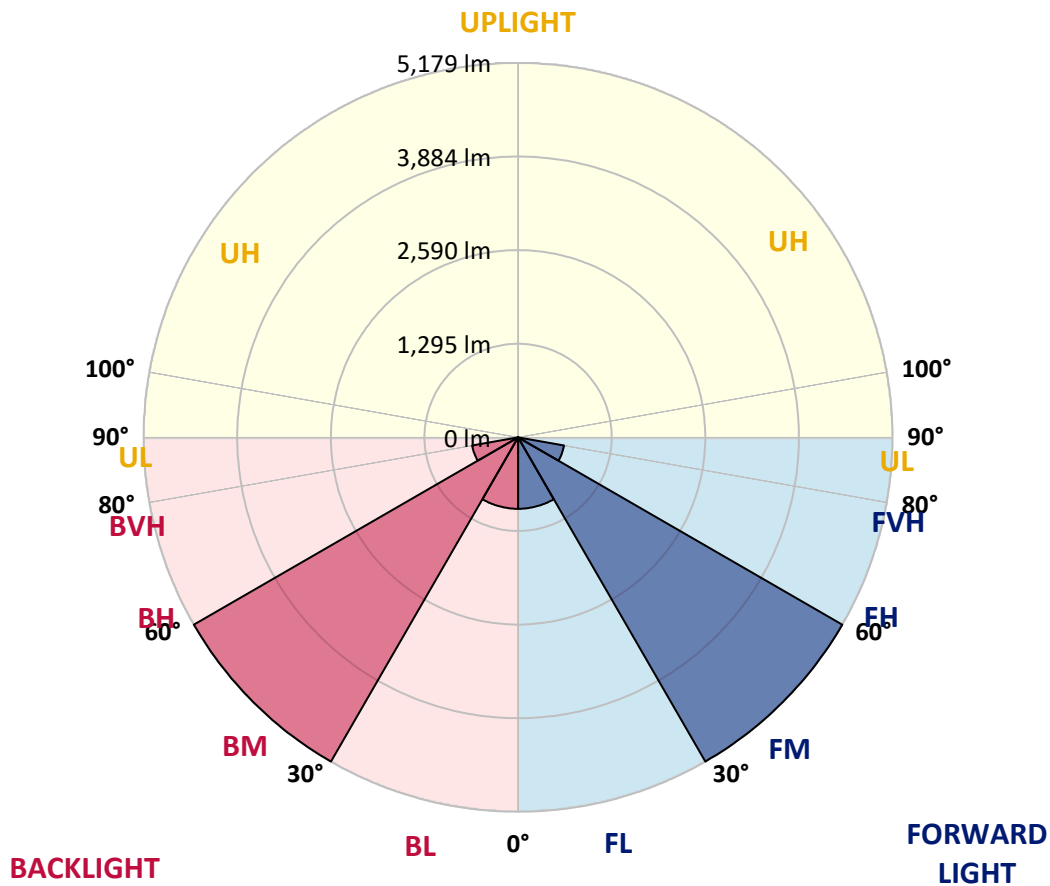
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	988.0	7.3			
FM (30°-60°)	5179.2	38.0			
FH (60°-80°)	644.9	4.7			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	988.0	7.3	B2/1000		
BM (30°-60°)	5179.2	38.0	B4/8500		
BH (60°-80°)	644.9	4.7	B2/1000		G0/660
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2265.3	2265.3	2265.3	2265.3	2265.3	2265.3	2265.3	2265.3	2265.3	2265.3	2265.3
2.5°	2249.3	2247.7	2254.1	2258.9	2258.9	2270.1	2266.9	2263.7	2260.5	2255.7	2266.9
5°	2246.1	2244.5	2249.3	2252.5	2249.3	2258.9	2252.5	2246.1	2242.9	2236.5	2249.3
7.5°	2231.7	2233.3	2236.5	2239.7	2234.9	2242.9	2234.9	2225.3	2217.3	2210.9	2222.1
10°	2209.3	2210.9	2214.1	2220.5	2222.1	2233.3	2222.1	2204.5	2193.4	2183.8	2195.0
12.5°	2198.2	2199.8	2204.5	2212.5	2214.1	2228.5	2214.1	2188.6	2172.6	2161.4	2172.6
15°	2201.3	2204.5	2210.9	2220.5	2223.7	2238.1	2218.9	2185.4	2163.0	2148.6	2158.2
17.5°	2212.5	2215.7	2225.3	2241.3	2252.5	2266.9	2242.9	2199.8	2169.4	2148.6	2158.2
20°	2226.9	2231.7	2247.7	2273.3	2297.3	2322.8	2292.5	2233.3	2193.4	2167.8	2175.8
22.5°	2266.9	2271.7	2294.1	2327.6	2367.6	2399.6	2362.8	2287.7	2233.3	2199.8	2207.7
25°	2348.4	2353.2	2382.0	2425.2	2476.3	2517.9	2471.5	2377.2	2306.9	2268.5	2271.7
27.5°	2476.3	2481.1	2514.7	2575.4	2644.2	2703.3	2636.2	2525.9	2445.9	2401.2	2401.2
30°	2637.8	2644.2	2688.9	2770.5	2877.6	2955.9	2864.8	2730.5	2628.2	2567.4	2569.0
32.5°	2845.6	2839.2	2903.2	3015.1	3166.9	3270.9	3136.6	2973.5	2847.2	2762.5	2770.5
35°	3112.6	3111.0	3182.9	3334.8	3533.0	3657.7	3497.9	3286.8	3135.0	3048.6	3050.2
37.5°	3456.3	3454.7	3537.8	3702.5	3940.7	4044.6	3865.6	3651.3	3488.3	3405.1	3414.7
40°	3859.2	3849.6	3923.1	4081.4	4319.6	4386.7	4191.7	4019.0	3862.4	3809.6	3835.2
42.5°	4242.8	4222.1	4265.2	4409.1	4592.9	4602.5	4455.5	4337.2	4230.0	4188.5	4204.5
45°	4551.4	4535.4	4575.4	4658.5	4764.0	4716.0	4645.7	4608.9	4522.6	4477.8	4492.2
47.5°	4781.6	4781.6	4829.5	4880.7	4896.7	4808.8	4819.9	4819.9	4733.6	4663.3	4645.7
50°	4979.8	4994.2	5066.1	5118.9	5066.1	4954.2	5018.2	5005.4	4829.5	4688.9	4652.1
52.5°	5296.3	5310.7	5421.0	5493.0	5433.8	5323.5	5331.5	5171.7	4912.7	4746.4	4688.9
55°	5632.1	5667.2	5827.1	6018.9	6020.5	5907.0	5696.0	5413.0	5098.1	4917.5	4858.3
57.5°	5192.4	5240.4	5478.6	5940.6	6274.7	6196.4	5692.8	5195.6	4770.4	4524.2	4490.6
60°	3573.0	3656.1	3894.3	4525.8	5170.1	5200.4	4605.7	4047.8	3560.2	3256.5	3262.9
62.5°	1509.1	1593.9	1728.1	2247.7	2839.2	2876.0	2588.2	2188.6	1790.5	1571.5	1605.1
65°	354.9	378.9	418.8	621.9	901.6	943.2	869.7	677.8	500.4	423.6	431.6
67.5°	155.1	158.3	150.3	159.9	198.2	203.0	196.6	172.7	163.1	166.3	166.3
70°	108.7	110.3	103.9	99.1	94.3	87.9	91.1	100.7	108.7	115.1	113.5
72.5°	67.1	68.7	70.3	70.3	65.5	59.2	62.3	68.7	70.3	71.9	70.3
75°	33.6	35.2	38.4	40.0	38.4	36.8	36.8	38.4	38.4	36.8	36.8
77.5°	6.4	8.0	11.2	12.8	12.8	12.8	12.8	12.8	14.4	12.8	12.8
80°	1.6	1.6	3.2	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2
82.5°	1.6	1.6	1.6	1.6	0.0	0.0	1.6	1.6	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
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)