

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: P637246

Luminaire Tested: GWS-SA4C-740-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637246
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-740-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13659.6 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

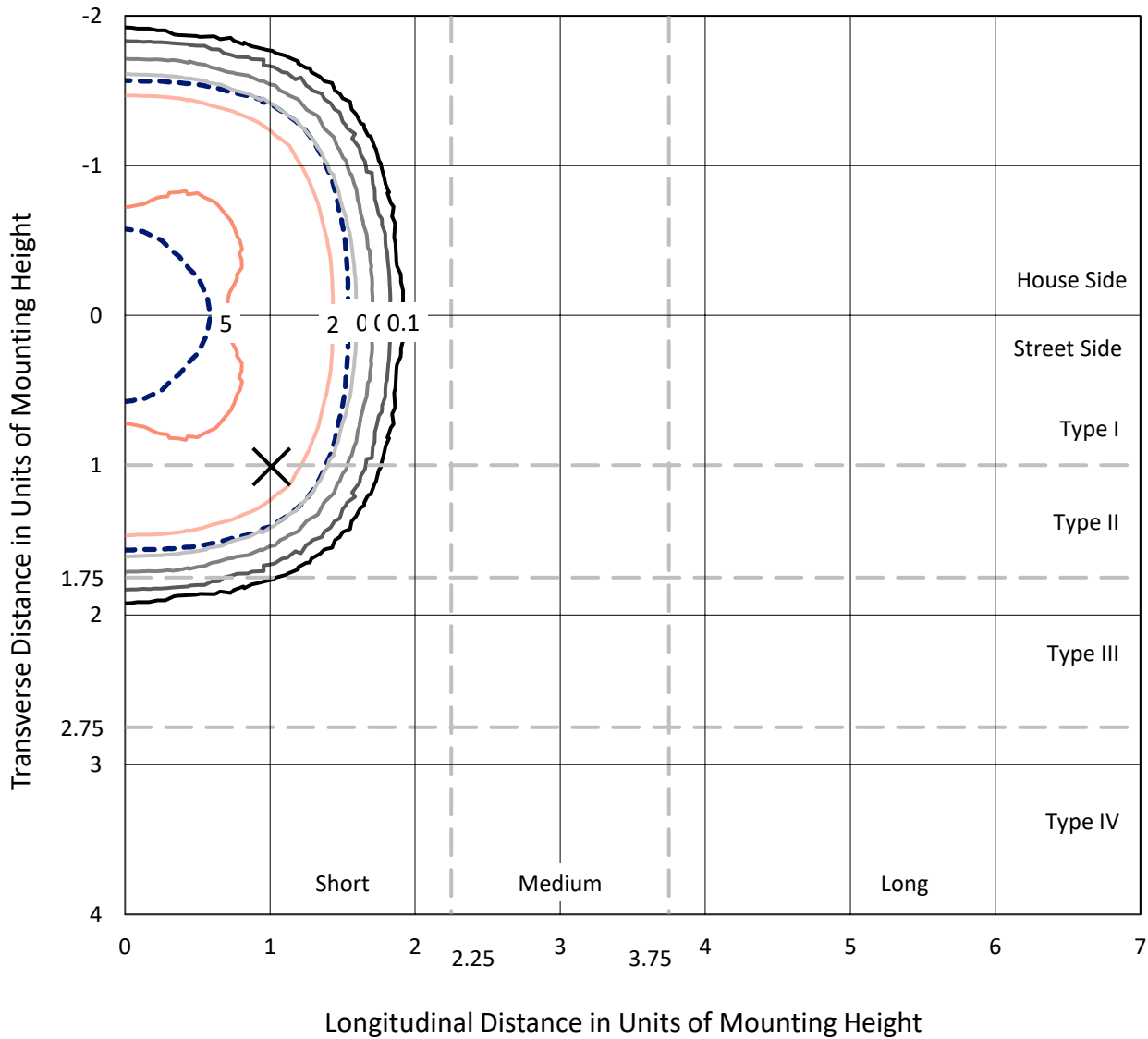
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

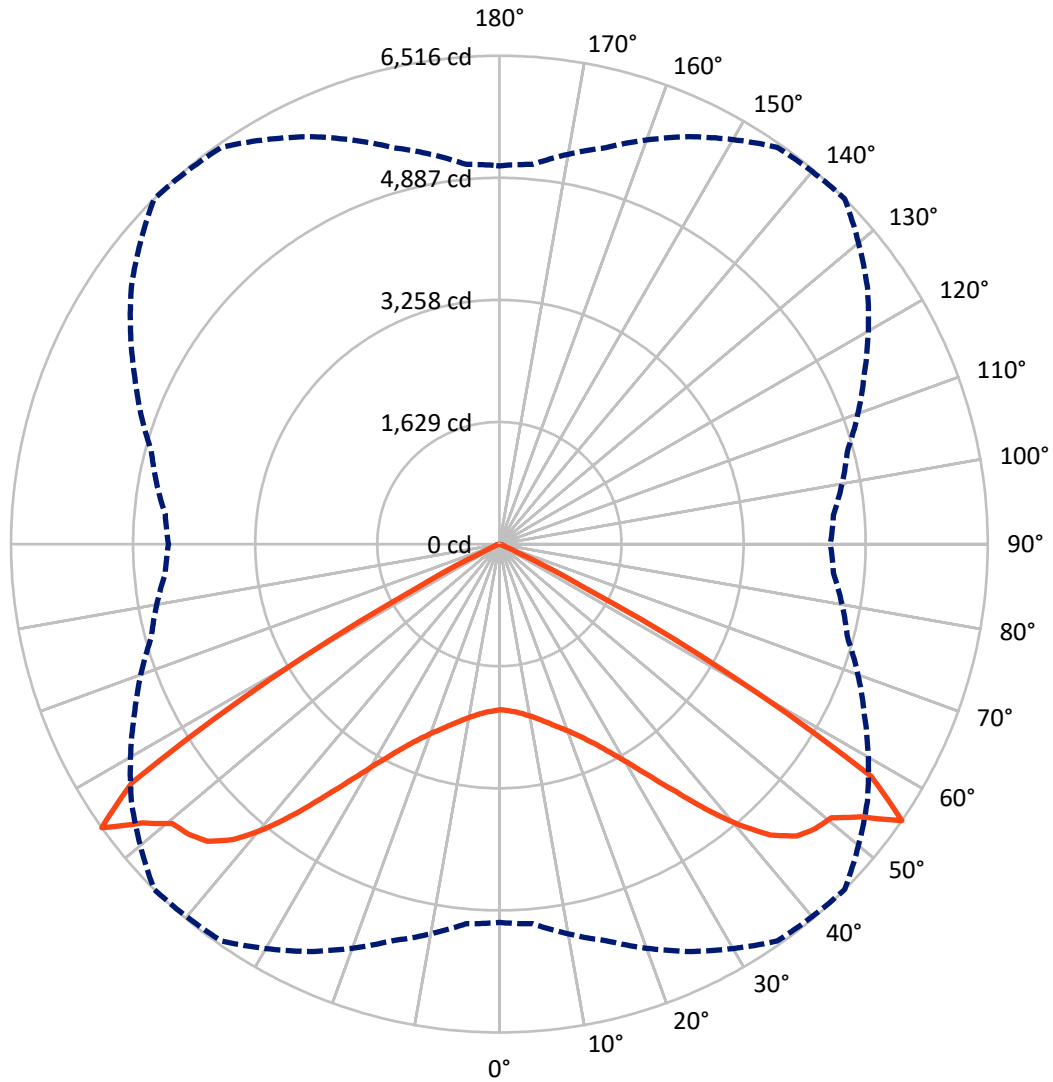
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6829.8	0.0	6829.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6829.8	0.0	6829.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	13659.6	0.0	13659.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.4	1.6
10°-20°	701.4	5.1
20°-30°	1358.4	9.9
30°-40°	2433.6	17.8
40°-50°	4080.1	29.9
50°-60°	4367.6	32.0
60°-70°	479.9	3.5
70°-80°	21.1	0.2
80°-90°	1.0	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°	13659.6	100.0
0°-180°	13659.6	100.0

Coefficient of Utilization



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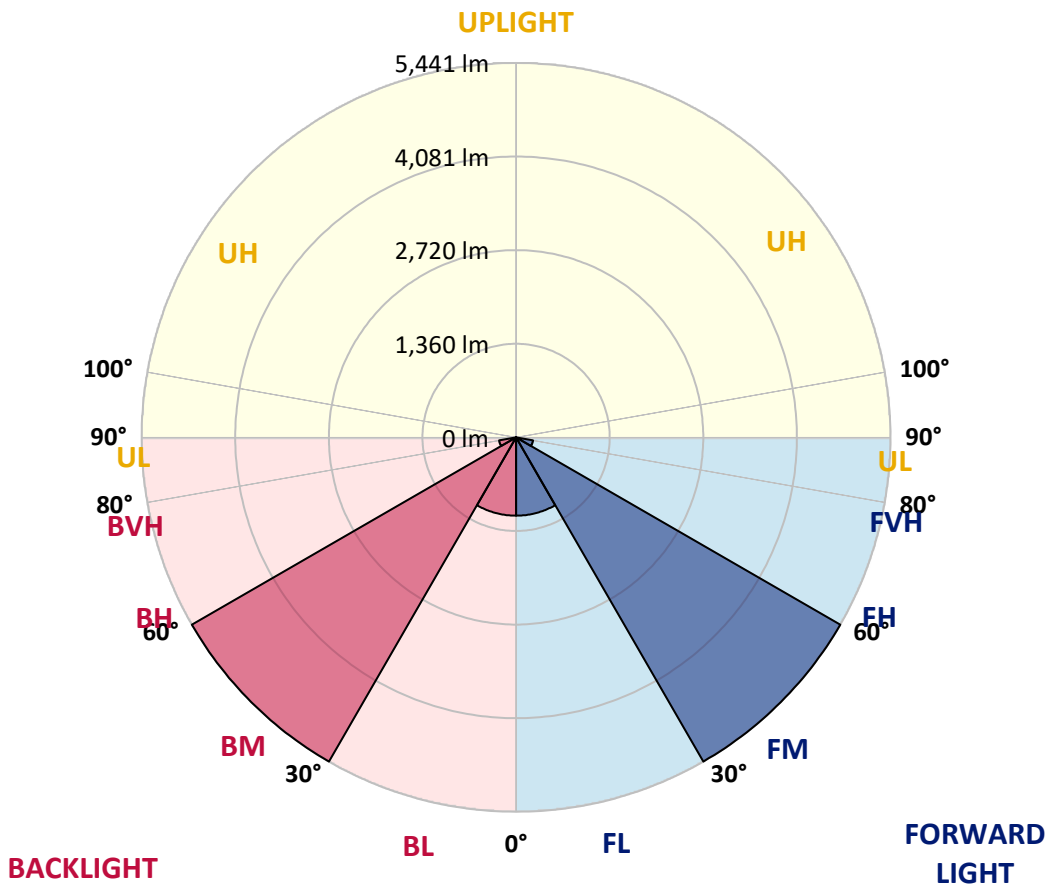
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1138.1	8.3			
FM (30°-60°)	5440.7	39.8			
FH (60°-80°)	250.5	1.8			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1138.1	8.3	B3/2500		
BM (30°-60°)	5440.7	39.8	B4/8500		
BH (60°-80°)	250.5	1.8	B1/500		G0/660
BVH (80°-90°)	0.5	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°	2208.5	2208.5	2208.5	2208.5	2208.5	2208.5	2208.5	2208.5	2208.5	2208.5	2208.5
2.5°	2204.3	2204.3	2209.9	2214.1	2214.1	2225.2	2221.0	2216.8	2216.8	2211.3	2222.4
5°	2236.3	2234.9	2240.5	2243.3	2237.7	2248.9	2241.9	2237.7	2234.9	2229.4	2240.5
7.5°	2271.1	2272.5	2273.9	2279.5	2276.7	2287.8	2282.2	2273.9	2271.1	2262.8	2273.9
10°	2312.9	2312.9	2315.6	2322.6	2324.0	2337.9	2332.3	2322.6	2314.3	2305.9	2317.0
12.5°	2365.7	2367.1	2371.3	2381.1	2386.6	2401.9	2393.6	2374.1	2361.6	2351.8	2364.4
15°	2442.3	2440.9	2446.5	2460.4	2467.3	2478.5	2465.9	2439.5	2424.2	2413.1	2421.4
17.5°	2525.8	2525.8	2528.6	2542.5	2552.2	2568.9	2553.6	2521.6	2507.7	2492.4	2500.7
20°	2617.6	2621.8	2624.6	2634.3	2651.0	2667.7	2655.2	2623.2	2607.9	2588.4	2598.1
22.5°	2738.7	2734.5	2735.9	2752.6	2776.3	2793.0	2783.2	2745.7	2719.2	2703.9	2709.5
25°	2873.7	2872.3	2876.5	2901.5	2928.0	2946.1	2932.1	2883.4	2857.0	2830.5	2841.7
27.5°	3039.3	3040.7	3043.5	3074.1	3115.8	3142.3	3107.5	3058.8	3022.6	2987.8	2996.1
30°	3235.5	3232.7	3241.1	3282.8	3344.1	3385.8	3345.4	3277.3	3225.8	3192.4	3196.5
32.5°	3444.2	3447.0	3469.3	3536.1	3616.8	3690.6	3608.5	3518.0	3451.2	3388.6	3396.9
35°	3669.7	3676.6	3726.7	3825.6	3957.8	4056.6	3942.4	3793.5	3698.9	3618.2	3621.0
37.5°	3935.5	3952.2	4021.8	4169.3	4358.5	4490.7	4323.7	4126.1	4003.7	3903.5	3896.5
40°	4284.8	4304.3	4398.9	4574.2	4803.9	4924.9	4731.5	4528.3	4376.6	4268.1	4251.4
42.5°	4685.6	4710.6	4813.6	4993.1	5222.7	5304.8	5115.6	4944.4	4808.0	4680.0	4674.4
45°	5137.8	5151.8	5235.3	5373.0	5538.6	5558.1	5416.2	5321.5	5183.8	5064.1	5054.3
47.5°	5562.3	5576.2	5633.3	5704.2	5743.2	5673.6	5648.6	5606.8	5428.7	5281.2	5250.6
50°	5885.1	5896.3	5967.2	5995.1	5886.5	5739.0	5787.7	5698.7	5505.2	5339.6	5292.3
52.5°	5862.9	5890.7	6073.0	6231.7	6163.5	6043.8	5913.0	5720.9	5420.3	5193.5	5135.1
55°	5047.4	5085.0	5476.0	5997.9	6464.1	6515.5	5992.3	5373.0	4808.0	4475.4	4415.6
57.5°	3243.9	3253.6	3730.9	4462.9	5513.6	5844.8	4969.5	4051.0	3348.2	2982.2	2957.2
60°	1192.6	1173.1	1533.6	2140.3	3175.7	3526.4	2925.2	2048.5	1461.2	1202.4	1181.5
62.5°	286.7	289.5	359.0	538.6	996.4	1233.0	974.1	544.1	346.5	290.8	288.1
65°	144.7	141.9	143.3	154.5	212.9	254.7	208.7	147.5	141.9	143.3	141.9
67.5°	93.2	91.8	94.6	96.0	94.6	89.1	87.7	90.5	90.5	91.8	89.1
70°	57.1	55.7	58.4	62.6	59.8	52.9	55.7	58.4	55.7	54.3	54.3
72.5°	30.6	30.6	33.4	36.2	33.4	30.6	30.6	32.0	30.6	30.6	30.6
75°	13.9	13.9	15.3	16.7	13.9	13.9	13.9	13.9	13.9	13.9	13.9
77.5°	4.2	4.2	5.6	5.6	4.2	4.2	4.2	4.2	5.6	5.6	5.6
80°	1.4	2.8	2.8	1.4	1.4	1.4	1.4	1.4	2.8	2.8	2.8
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
85°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
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)