

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: P640433

Luminaire Tested: GWS-SA5D-830-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640433
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-SA5D-830-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14580.8 lumens
Efficiency: N/A
Efficacy: 71.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

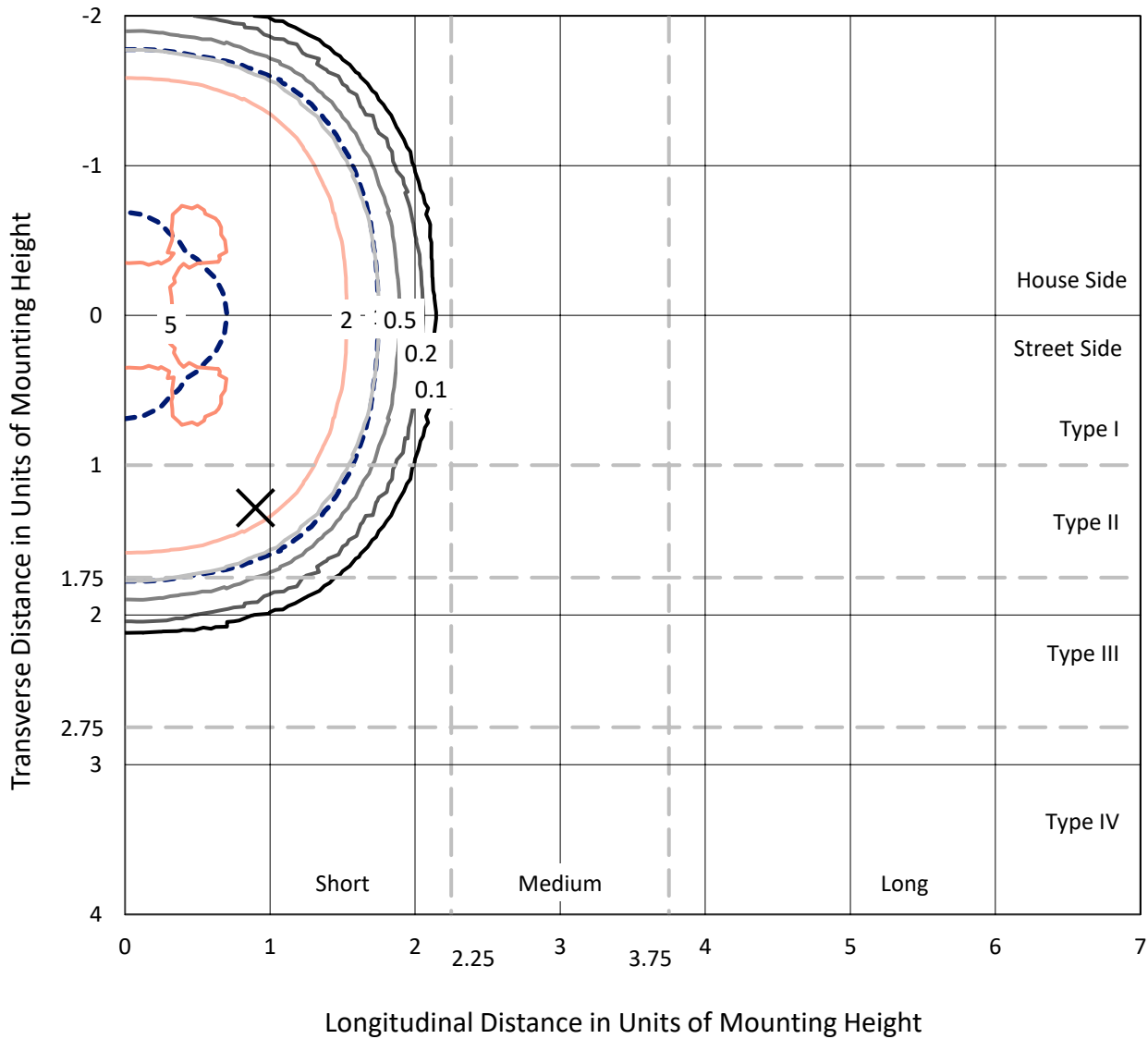
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

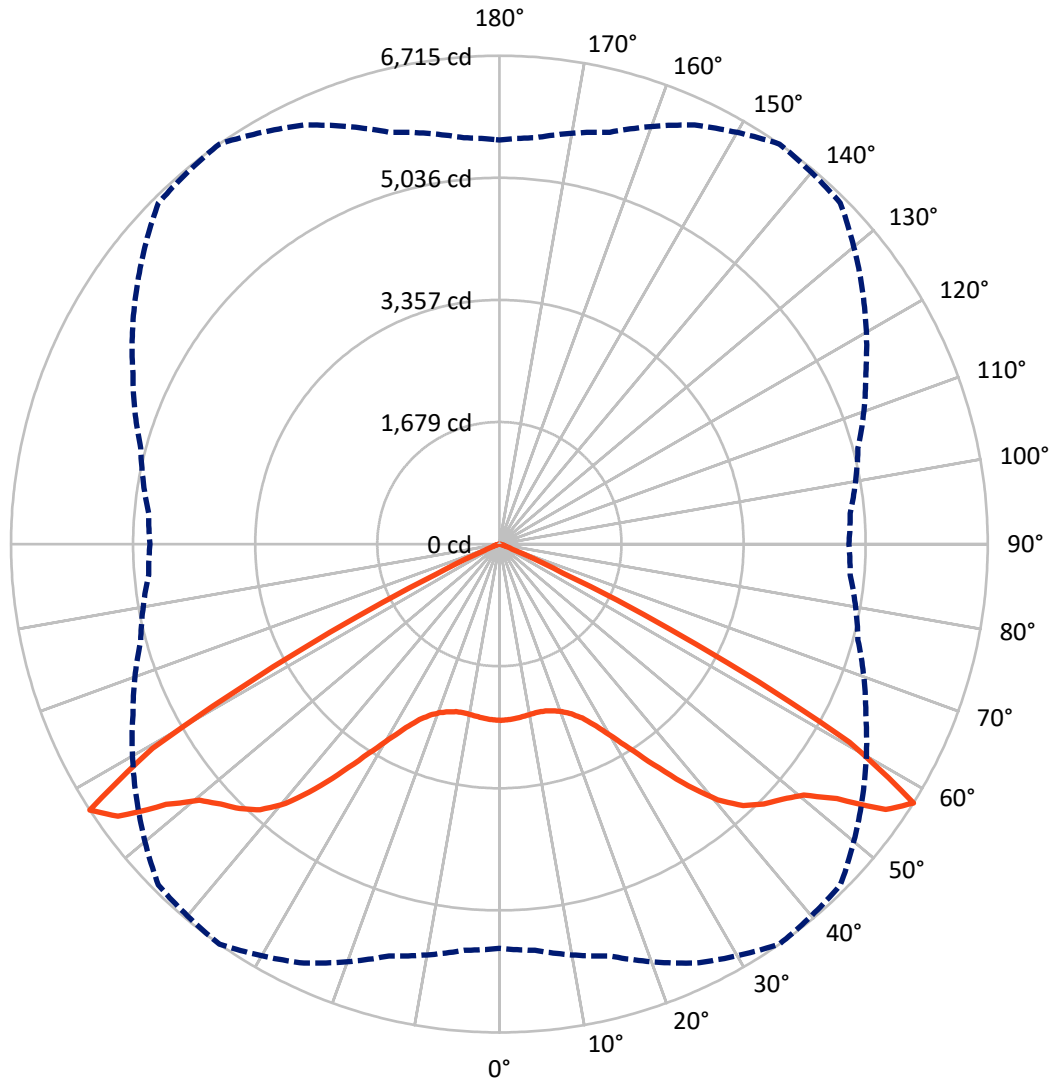
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.1 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	7290.4	0.0	7290.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7290.4	0.0	7290.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	14580.8	0.0	14580.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.4	1.6
10°-20°	671.8	4.6
20°-30°	1214.4	8.3
30°-40°	2265.6	15.5
40°-50°	3800.5	26.1
50°-60°	5019.0	34.4
60°-70°	1332.9	9.1
70°-80°	47.3	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°	14580.8	100.0
0°-180°	14580.8	100.0

Coefficient of Utilization



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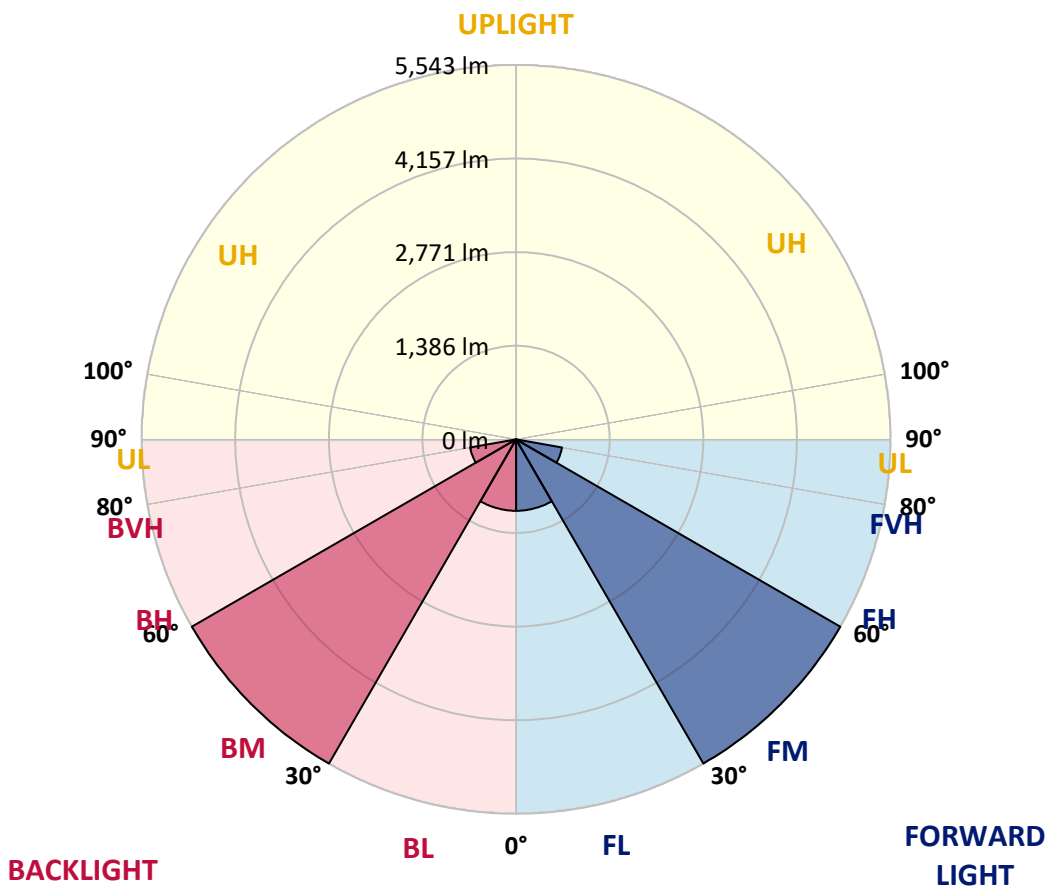
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1057.3	7.3			
FM (30°-60°)	5542.5	38.0			
FH (60°-80°)	690.1	4.7			G1/1800
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	1057.3	7.3	B3/2500		
BM (30°-60°)	5542.5	38.0	B4/8500		
BH (60°-80°)	690.1	4.7	B2/1000		G1/1800
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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2424.2	2424.2	2424.2	2424.2	2424.2	2424.2	2424.2	2424.2	2424.2	2424.2	2424.2
2.5°	2407.1	2405.4	2412.2	2417.3	2417.3	2429.3	2425.9	2422.5	2419.1	2413.9	2425.9
5°	2403.7	2401.9	2407.1	2410.5	2407.1	2417.3	2410.5	2403.7	2400.2	2393.4	2407.1
7.5°	2388.3	2390.0	2393.4	2396.8	2391.7	2400.2	2391.7	2381.4	2372.9	2366.0	2378.0
10°	2364.3	2366.0	2369.4	2376.3	2378.0	2390.0	2378.0	2359.2	2347.2	2336.9	2348.9
12.5°	2352.3	2354.0	2359.2	2367.7	2369.4	2384.8	2369.4	2342.1	2325.0	2313.0	2325.0
15°	2355.8	2359.2	2366.0	2376.3	2379.7	2395.1	2374.6	2338.6	2314.7	2299.3	2309.6
17.5°	2367.7	2371.2	2381.4	2398.5	2410.5	2425.9	2400.2	2354.0	2321.5	2299.3	2309.6
20°	2383.1	2388.3	2405.4	2432.7	2458.4	2485.8	2453.3	2390.0	2347.2	2319.8	2328.4
22.5°	2425.9	2431.0	2455.0	2490.9	2533.7	2567.9	2528.5	2448.1	2390.0	2354.0	2362.6
25°	2513.2	2518.3	2549.1	2595.3	2650.0	2694.5	2644.9	2543.9	2468.7	2427.6	2431.0
27.5°	2650.0	2655.1	2691.1	2756.1	2829.6	2892.9	2821.1	2703.0	2617.5	2569.6	2569.6
30°	2822.8	2829.6	2877.5	2964.8	3079.4	3163.3	3065.7	2922.0	2812.5	2747.5	2749.2
32.5°	3045.2	3038.4	3106.8	3226.5	3389.1	3500.3	3356.6	3182.1	3046.9	2956.2	2964.8
35°	3330.9	3329.2	3406.2	3568.7	3780.8	3914.3	3743.2	3517.4	3354.9	3262.5	3264.2
37.5°	3698.7	3697.0	3786.0	3962.2	4217.1	4328.3	4136.7	3907.4	3732.9	3644.0	3654.2
40°	4129.8	4119.6	4198.3	4367.6	4622.6	4694.4	4485.7	4300.9	4133.3	4076.8	4104.2
42.5°	4540.4	4518.2	4564.4	4718.4	4915.1	4925.4	4768.0	4641.4	4526.8	4482.3	4499.4
45°	4870.6	4853.5	4896.3	4985.2	5098.2	5046.8	4971.6	4932.2	4839.8	4791.9	4807.3
47.5°	5117.0	5117.0	5168.3	5223.0	5240.1	5146.1	5158.0	5158.0	5065.6	4990.4	4971.6
50°	5329.1	5344.5	5421.5	5477.9	5421.5	5301.7	5370.2	5356.5	5168.3	5017.7	4978.4
52.5°	5667.8	5683.2	5801.3	5878.3	5815.0	5696.9	5705.5	5534.4	5257.3	5079.3	5017.7
55°	6027.1	6064.8	6235.8	6441.1	6442.8	6321.4	6095.5	5792.7	5455.7	5262.4	5199.1
57.5°	5556.6	5608.0	5862.9	6357.3	6714.9	6631.0	6092.1	5560.1	5105.0	4841.5	4805.6
60°	3823.6	3912.6	4167.5	4843.2	5532.7	5565.2	4928.8	4331.7	3809.9	3484.9	3491.7
62.5°	1615.0	1705.7	1849.4	2405.4	3038.4	3077.7	2769.8	2342.1	1916.1	1681.7	1717.6
65°	379.8	405.5	448.2	665.5	964.9	1009.4	930.7	725.4	535.5	453.4	461.9
67.5°	165.9	169.4	160.8	171.1	212.1	217.3	210.4	184.8	174.5	177.9	177.9
70°	116.3	118.0	111.2	106.1	100.9	94.1	97.5	107.8	116.3	123.2	121.5
72.5°	71.9	73.6	75.3	75.3	70.1	63.3	66.7	73.6	75.3	77.0	75.3
75°	35.9	37.6	41.1	42.8	41.1	39.3	39.3	41.1	41.1	39.3	39.3
77.5°	6.8	8.6	12.0	13.7	13.7	13.7	13.7	13.7	15.4	13.7	13.7
80°	1.7	1.7	3.4	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4
82.5°	1.7	1.7	1.7	1.7	0.0	0.0	1.7	1.7	1.7	1.7	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
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)