

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: P640105

Luminaire Tested: GWS-SA5D-730-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640105
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-SA5D-730-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (80) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28329.4 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

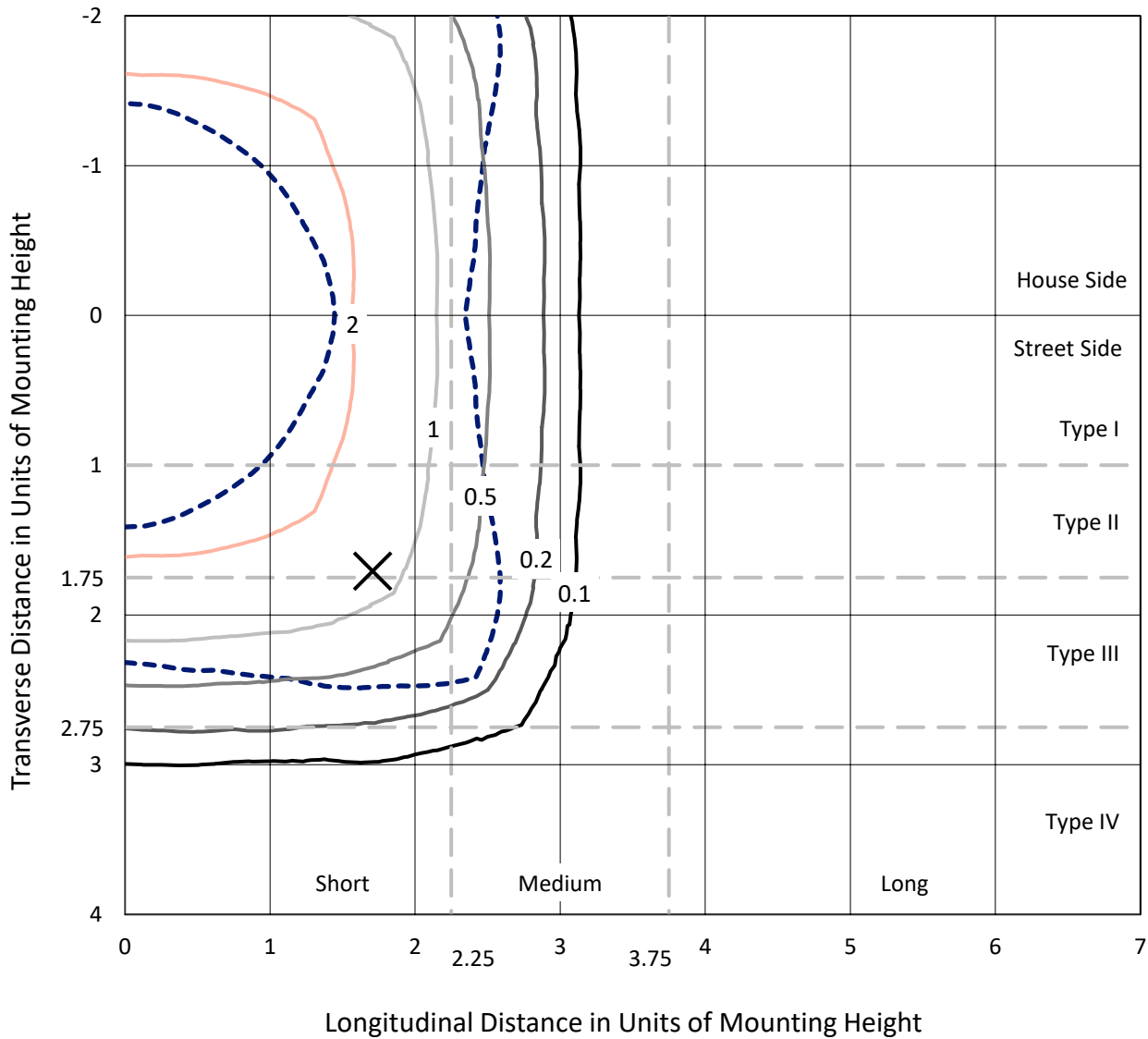
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

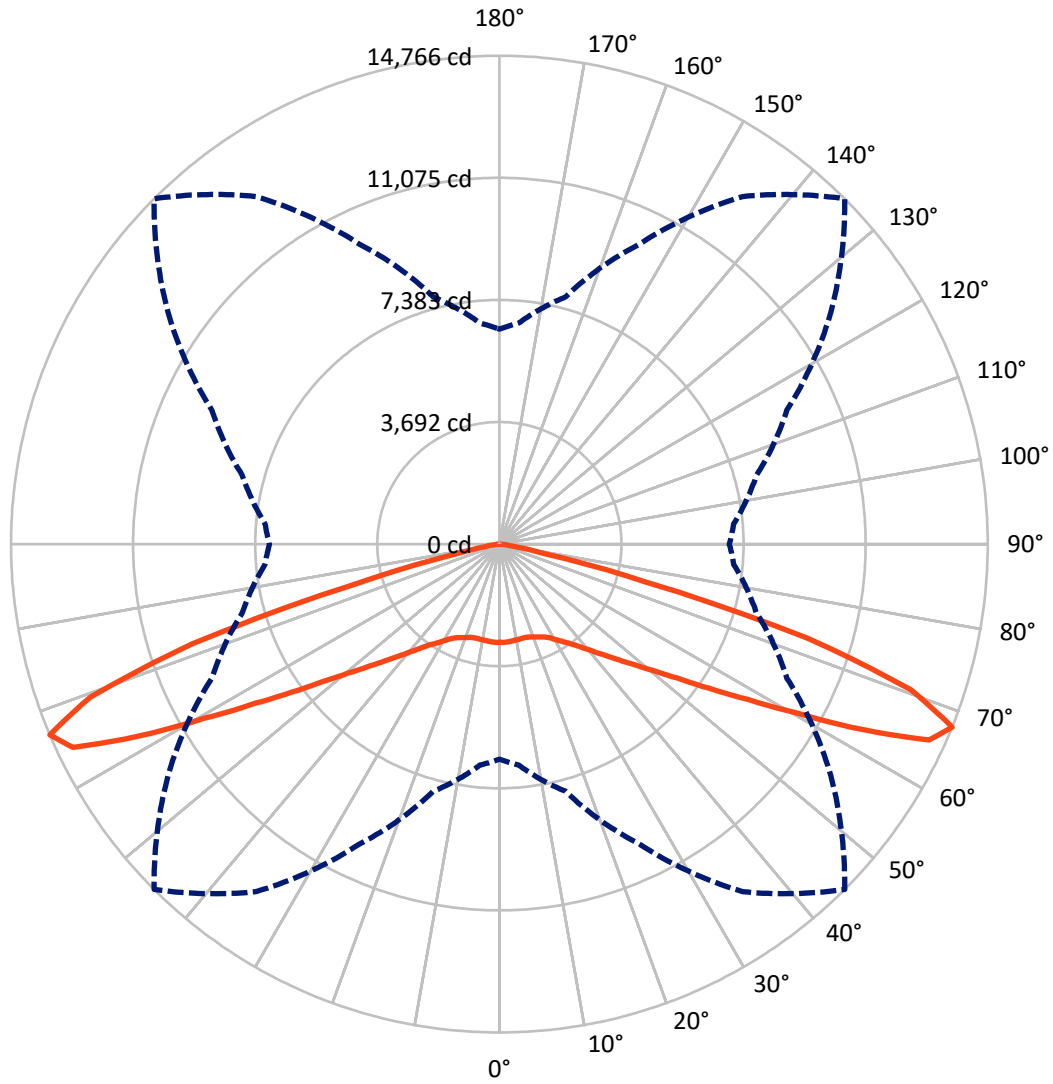
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14164.7	0.0	14164.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14164.7	0.0	14164.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	28329.4	0.0	28329.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.8	1.0
10°-20°	824.8	2.9
20°-30°	1422.5	5.0
30°-40°	2313.1	8.2
40°-50°	3894.7	13.7
50°-60°	6900.8	24.4
60°-70°	9864.1	34.8
70°-80°	2707.3	9.6
80°-90°	121.3	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°	28329.4	100.0
0°-180°	28329.4	100.0

Coefficient of Utilization



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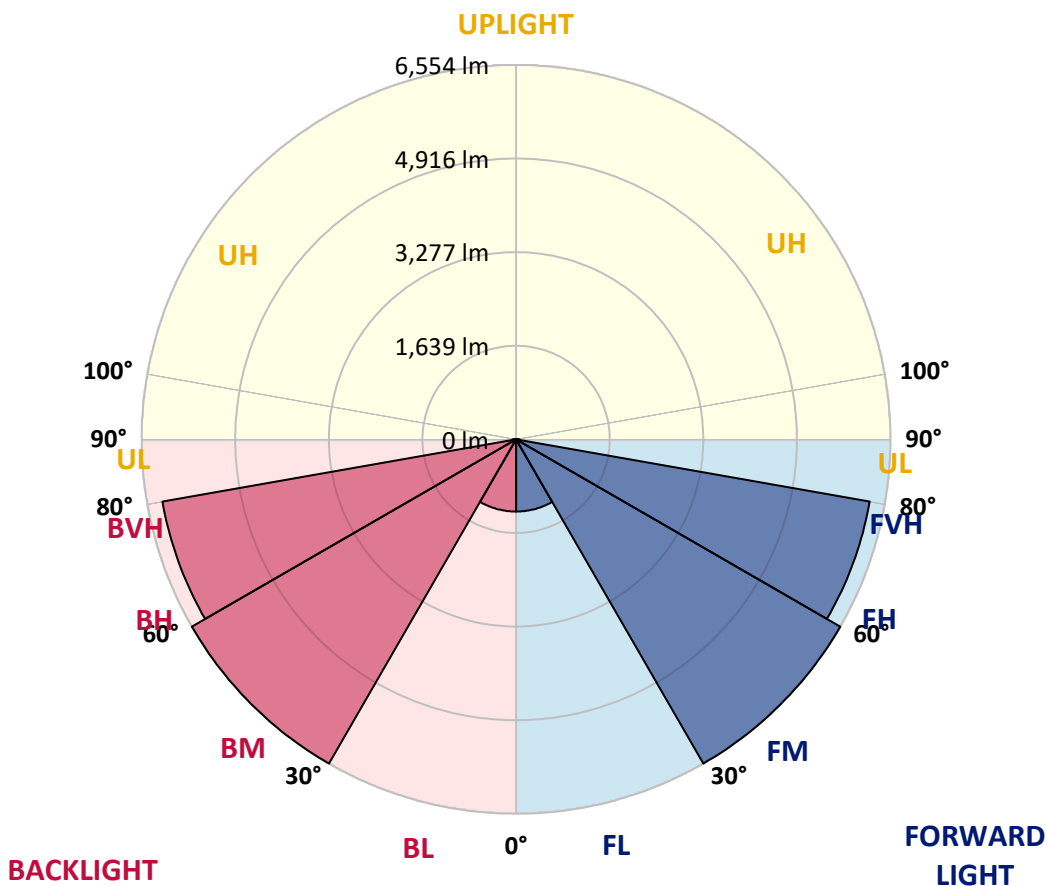
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1264.1	4.5			
FM (30°-60°)	6554.3	23.1			
FH (60°-80°)	6285.7	22.2			G3/7500
FVH (80°-90°)	60.6	0.2			G1/100
BL (0°-30°)	1264.1	4.5	B3/2500		
BM (30°-60°)	6554.3	23.1	B4/8500		
BH (60°-80°)	6285.7	22.2	B5		G3/7500
BVH (80°-90°)	60.6	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°	2967.0	2967.0	2967.0	2967.0	2967.0	2967.0	2967.0	2967.0	2967.0	2967.0	2967.0
2.5°	2947.4	2945.4	2955.2	2961.1	2959.2	2972.9	2970.9	2967.0	2967.0	2961.1	2976.8
5°	2947.4	2945.4	2953.3	2955.2	2951.3	2963.1	2959.2	2955.2	2955.2	2947.4	2961.1
7.5°	2931.7	2933.7	2939.6	2943.5	2939.6	2949.4	2943.5	2935.6	2933.7	2925.8	2939.6
10°	2902.3	2904.3	2910.1	2919.9	2921.9	2939.6	2929.7	2916.0	2910.1	2902.3	2916.0
12.5°	2884.6	2886.6	2892.5	2904.3	2908.2	2931.7	2921.9	2900.3	2890.5	2882.7	2896.4
15°	2880.7	2882.7	2890.5	2902.3	2908.2	2931.7	2921.9	2896.4	2882.7	2872.9	2884.6
17.5°	2880.7	2884.6	2896.4	2914.1	2925.8	2949.4	2937.6	2908.2	2888.6	2870.9	2882.7
20°	2882.7	2888.6	2906.2	2931.7	2961.1	2994.5	2978.8	2939.6	2912.1	2890.5	2898.4
22.5°	2900.3	2910.1	2931.7	2965.0	3008.2	3047.4	3033.7	2980.7	2941.5	2912.1	2919.9
25°	2961.1	2965.0	2992.5	3035.6	3076.8	3110.2	3096.4	3047.4	2998.4	2963.1	2972.9
27.5°	3069.0	3078.8	3102.3	3147.4	3182.7	3200.4	3198.4	3165.1	3116.0	3084.7	3092.5
30°	3198.4	3208.2	3239.6	3290.6	3325.9	3345.5	3339.6	3314.1	3269.0	3225.9	3233.7
32.5°	3349.4	3353.3	3390.6	3447.5	3484.7	3514.1	3494.5	3467.1	3410.2	3359.2	3363.1
35°	3541.6	3547.5	3586.7	3639.6	3669.0	3692.6	3688.7	3661.2	3600.4	3545.5	3559.2
37.5°	3782.8	3786.7	3822.0	3888.7	3912.2	3929.9	3933.8	3920.1	3857.3	3786.7	3800.4
40°	4082.8	4084.8	4124.0	4182.8	4208.3	4220.1	4222.1	4224.0	4159.3	4106.4	4102.4
42.5°	4431.9	4441.7	4496.6	4553.5	4565.2	4559.3	4579.0	4598.6	4535.8	4463.3	4469.1
45°	4849.6	4855.5	4930.0	4992.7	4971.2	4951.5	4988.8	5028.0	4971.2	4877.0	4849.6
47.5°	5343.7	5355.5	5435.9	5498.7	5463.4	5428.1	5488.9	5530.0	5437.9	5337.9	5312.4
50°	5902.6	5910.5	6024.2	6102.7	6061.5	5996.8	6073.2	6116.4	5992.8	5869.3	5814.4
52.5°	6563.5	6547.8	6698.8	6836.1	6810.6	6726.3	6789.0	6796.9	6612.5	6438.0	6383.1
55°	7369.5	7353.8	7504.8	7655.8	7718.5	7697.0	7667.5	7620.5	7347.9	7161.6	7110.6
57.5°	8308.8	8259.8	8471.6	8675.5	8812.8	8852.0	8726.5	8616.7	8401.0	8171.5	8112.7
60°	9181.4	9179.5	9514.8	9867.8	10244.3	10401.2	10083.5	9785.4	9301.1	8883.4	8799.0
62.5°	9426.6	9467.7	10016.8	10891.4	11821.0	12375.9	11538.6	10552.2	9616.8	8987.3	8875.5
65°	8822.6	8924.5	9705.0	11085.6	12921.1	14278.1	12387.7	10569.8	9265.8	8481.4	8363.7
67.5°	6502.7	6706.6	7740.1	10003.1	12827.0	14766.4	12236.7	9591.3	8048.0	7114.5	6951.8
70°	3208.2	3402.3	4222.1	6581.1	10554.1	13199.5	10587.5	7228.3	5435.9	4537.8	4388.7
72.5°	1180.5	1259.0	1580.6	2816.0	5824.2	9750.1	7240.0	4037.7	2633.6	2096.3	1996.3
75°	578.5	592.2	641.2	945.2	2149.3	4588.8	3402.3	1549.2	968.7	843.2	815.8
77.5°	368.7	374.6	398.1	451.0	690.3	1445.3	1031.5	611.8	474.6	455.0	455.0
80°	205.9	211.8	243.2	280.4	323.6	496.1	370.6	366.7	311.8	272.6	266.7
82.5°	98.1	107.9	154.9	153.0	170.6	249.0	217.7	198.1	200.0	151.0	143.2
85°	45.1	45.1	60.8	72.6	76.5	84.3	100.0	113.7	111.8	76.5	82.4
87.5°	21.6	21.6	21.6	19.6	17.6	15.7	21.6	35.3	51.0	35.3	33.3
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)