

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: P640213

Luminaire Tested: GWS-SA5D-740-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640213
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18354.7 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

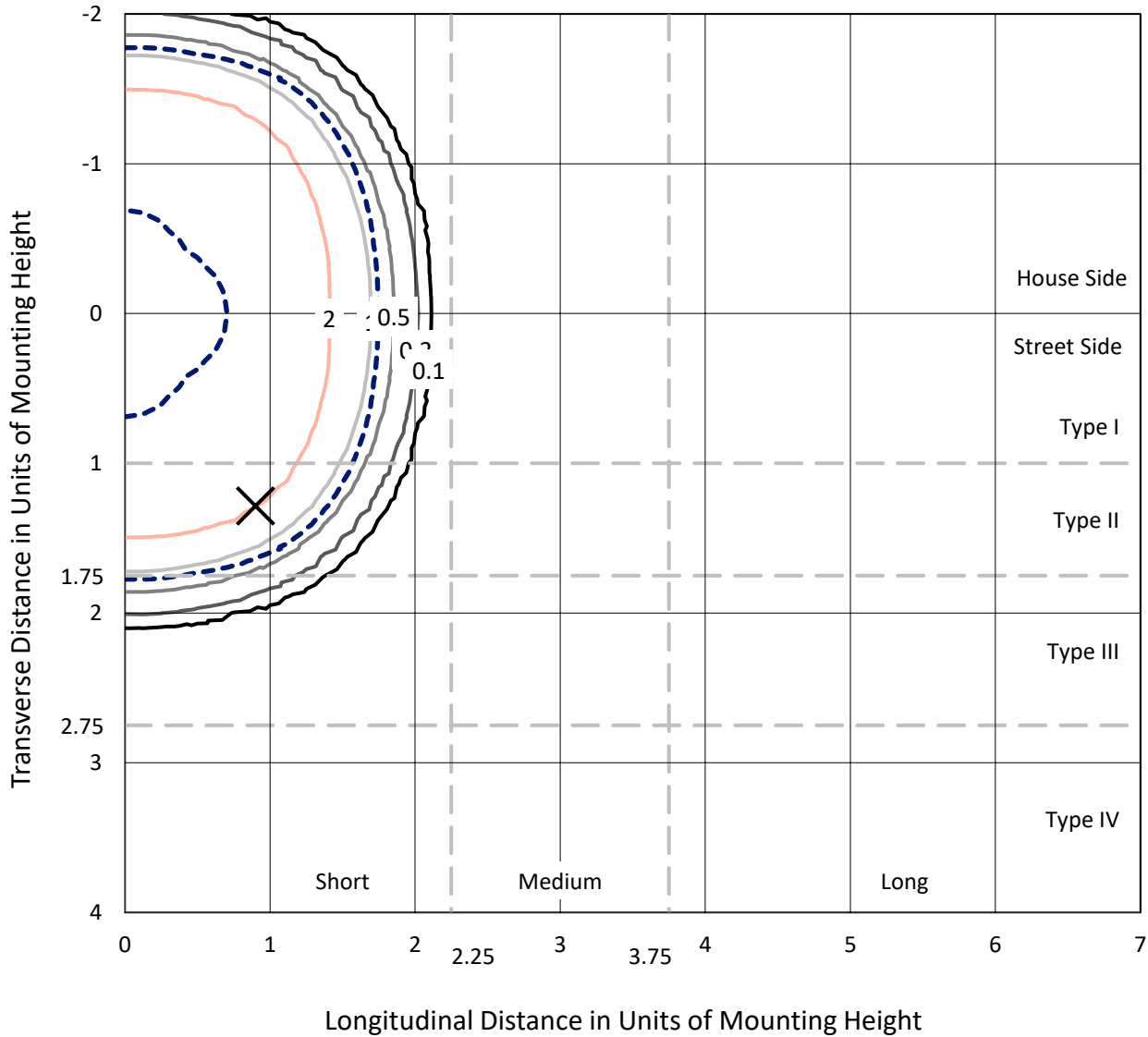
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

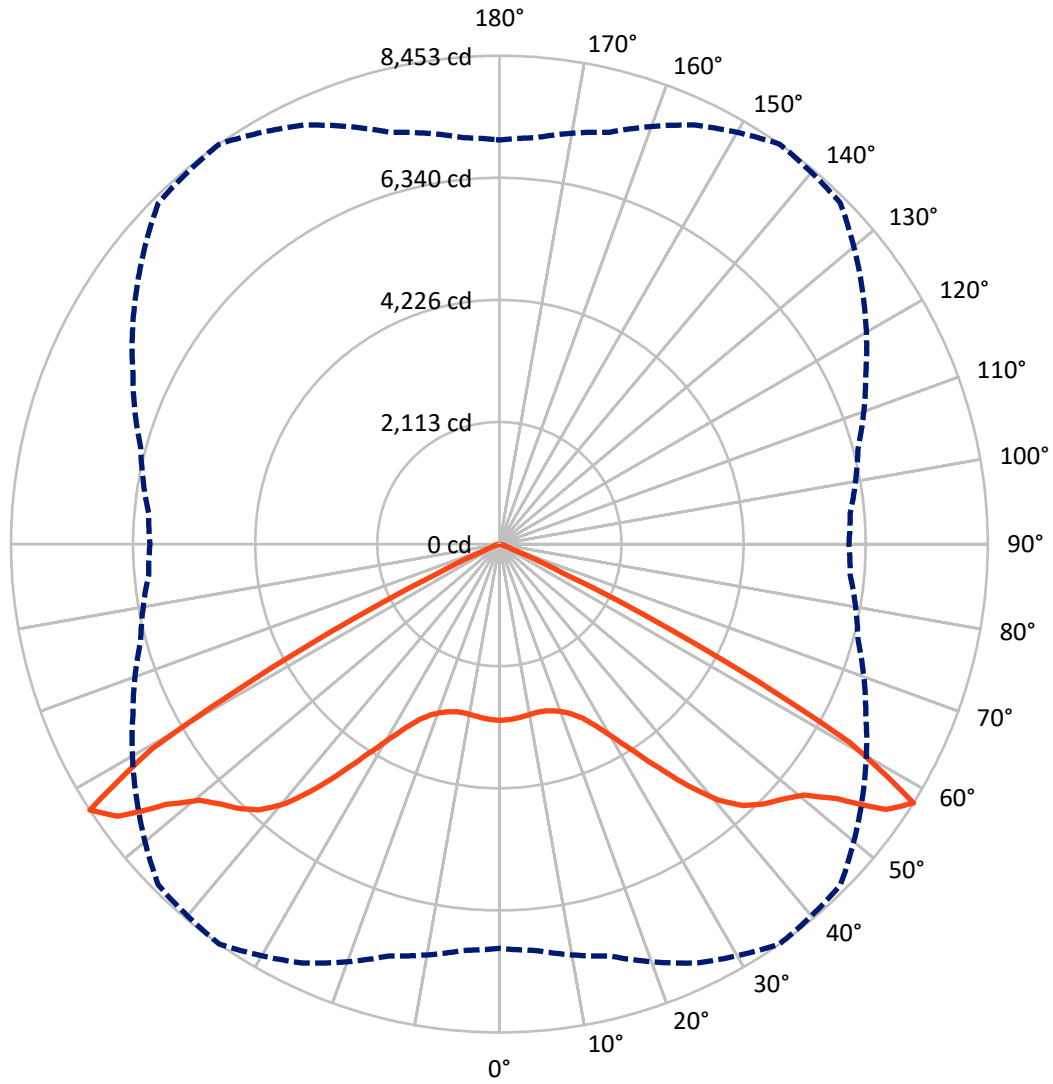
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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	9177.4	0.0	9177.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9177.4	0.0	9177.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	18354.7	0.0	18354.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.5	1.6
10°-20°	845.7	4.6
20°-30°	1528.7	8.3
30°-40°	2852.0	15.5
40°-50°	4784.2	26.1
50°-60°	6318.0	34.4
60°-70°	1677.9	9.1
70°-80°	59.6	0.3
80°-90°	1.1	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°	18354.7	100.0
0°-180°	18354.7	100.0

Coefficient of Utilization



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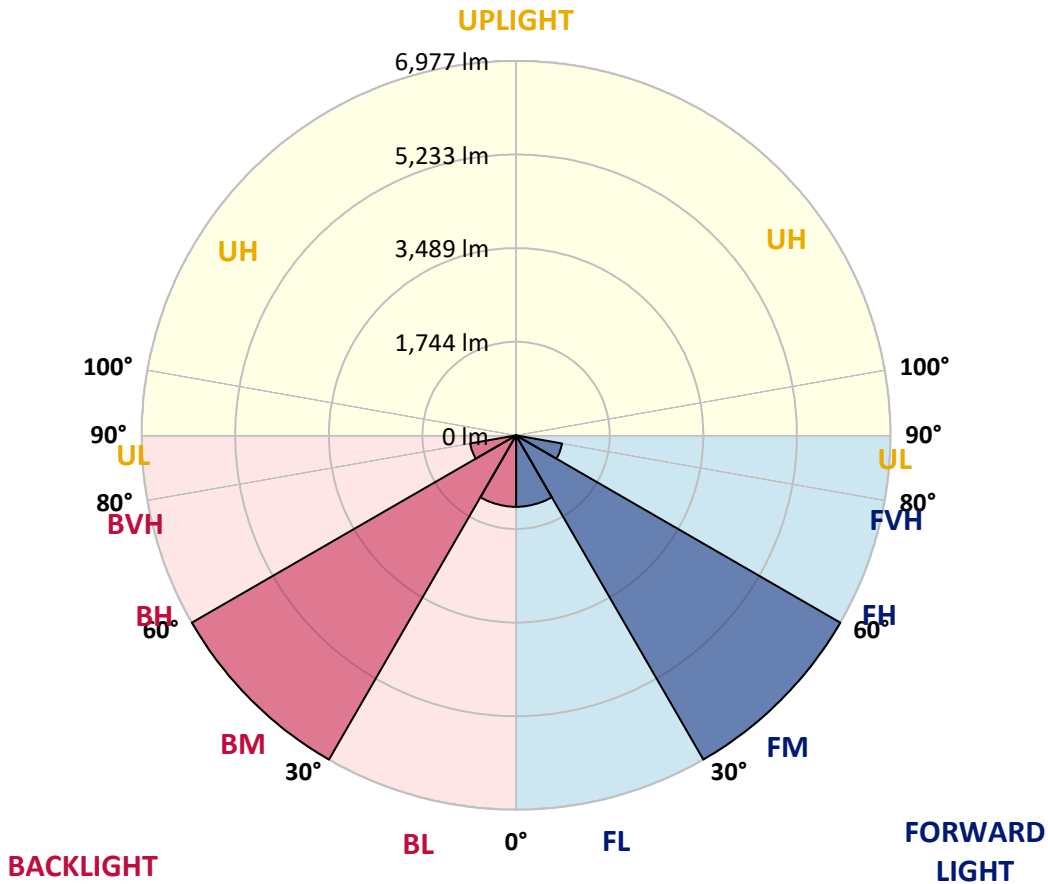
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1331.0	7.3			
FM (30°-60°)	6977.1	38.0			
FH (60°-80°)	868.8	4.7			G1/1800
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1331.0	7.3	B3/2500		
BM (30°-60°)	6977.1	38.0	B4/8500		
BH (60°-80°)	868.8	4.7	B2/1000		G1/1800
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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3051.6	3051.6	3051.6	3051.6	3051.6	3051.6	3051.6	3051.6	3051.6	3051.6	3051.6
2.5°	3030.1	3027.9	3036.6	3043.0	3043.0	3058.1	3053.8	3049.5	3045.2	3038.7	3053.8
5°	3025.8	3023.6	3030.1	3034.4	3030.1	3043.0	3034.4	3025.8	3021.5	3012.9	3030.1
7.5°	3006.4	3008.6	3012.9	3017.2	3010.7	3021.5	3010.7	2997.8	2987.0	2978.4	2993.5
10°	2976.3	2978.4	2982.7	2991.3	2993.5	3008.6	2993.5	2969.8	2954.7	2941.8	2956.9
12.5°	2961.2	2963.3	2969.8	2980.6	2982.7	3002.1	2982.7	2948.3	2926.7	2911.7	2926.7
15°	2965.5	2969.8	2978.4	2991.3	2995.6	3015.0	2989.2	2944.0	2913.8	2894.4	2907.3
17.5°	2980.6	2984.9	2997.8	3019.3	3034.4	3053.8	3021.5	2963.3	2922.4	2894.4	2907.3
20°	2999.9	3006.4	3027.9	3062.4	3094.7	3129.2	3088.2	3008.6	2954.7	2920.3	2931.0
22.5°	3053.8	3060.2	3090.4	3135.6	3189.5	3232.5	3183.0	3081.8	3008.6	2963.3	2974.1
25°	3163.6	3170.1	3208.8	3267.0	3335.9	3391.9	3329.4	3202.4	3107.6	3055.9	3060.2
27.5°	3335.9	3342.4	3387.6	3469.4	3562.0	3641.7	3551.3	3402.7	3295.0	3234.7	3234.7
30°	3553.4	3562.0	3622.3	3732.2	3876.5	3982.0	3859.2	3678.3	3540.5	3458.7	3460.8
32.5°	3833.4	3824.8	3910.9	4061.7	4266.3	4406.2	4225.3	4005.7	3835.5	3721.4	3732.2
35°	4193.0	4190.9	4287.8	4492.4	4759.4	4927.4	4712.1	4427.8	4223.2	4106.9	4109.0
37.5°	4656.1	4653.9	4765.9	4987.7	5308.6	5448.6	5207.4	4918.8	4699.1	4587.1	4600.1
40°	5198.8	5185.8	5284.9	5498.1	5819.0	5909.4	5646.7	5414.1	5203.1	5132.0	5166.5
42.5°	5715.6	5687.6	5745.8	5939.6	6187.3	6200.2	6002.0	5842.7	5698.4	5642.4	5663.9
45°	6131.3	6109.7	6163.6	6275.6	6417.7	6353.1	6258.3	6208.8	6092.5	6032.2	6051.6
47.5°	6441.4	6441.4	6506.0	6574.9	6596.4	6478.0	6493.1	6493.1	6376.8	6282.0	6258.3
50°	6708.4	6727.8	6824.7	6895.8	6824.7	6674.0	6760.1	6742.9	6506.0	6316.5	6266.9
52.5°	7134.8	7154.2	7302.8	7399.7	7320.0	7171.4	7182.2	6966.9	6618.0	6394.0	6316.5
55°	7587.1	7634.5	7849.8	8108.3	8110.4	7957.5	7673.2	7292.0	6867.8	6624.4	6544.8
57.5°	6994.9	7059.5	7380.3	8002.7	8452.8	8347.3	7668.9	6999.2	6426.3	6094.7	6049.4
60°	4813.3	4925.3	5246.1	6096.8	6964.7	7005.6	6204.5	5452.9	4796.0	4386.9	4395.5
62.5°	2033.0	2147.1	2328.0	3027.9	3824.8	3874.3	3486.7	2948.3	2412.0	2117.0	2162.2
65°	478.1	510.4	564.2	837.7	1214.6	1270.6	1171.6	913.1	674.1	570.7	581.5
67.5°	208.9	213.2	202.4	215.4	267.0	273.5	264.9	232.6	219.7	224.0	224.0
70°	146.4	148.6	140.0	133.5	127.1	118.4	122.8	135.7	146.4	155.1	152.9
72.5°	90.5	92.6	94.8	94.8	88.3	79.7	84.0	92.6	94.8	96.9	94.8
75°	45.2	47.4	51.7	53.8	51.7	49.5	49.5	51.7	51.7	49.5	49.5
77.5°	8.6	10.8	15.1	17.2	17.2	17.2	17.2	17.2	19.4	17.2	17.2
80°	2.2	2.2	4.3	2.2	2.2	2.2	2.2	2.2	2.2	4.3	4.3
82.5°	2.2	2.2	2.2	2.2	0.0	0.0	2.2	2.2	2.2	2.2	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2
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)