

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: P639169

Luminaire Tested: GWS-SA5B-735-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639169
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5B-735-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15333.7 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

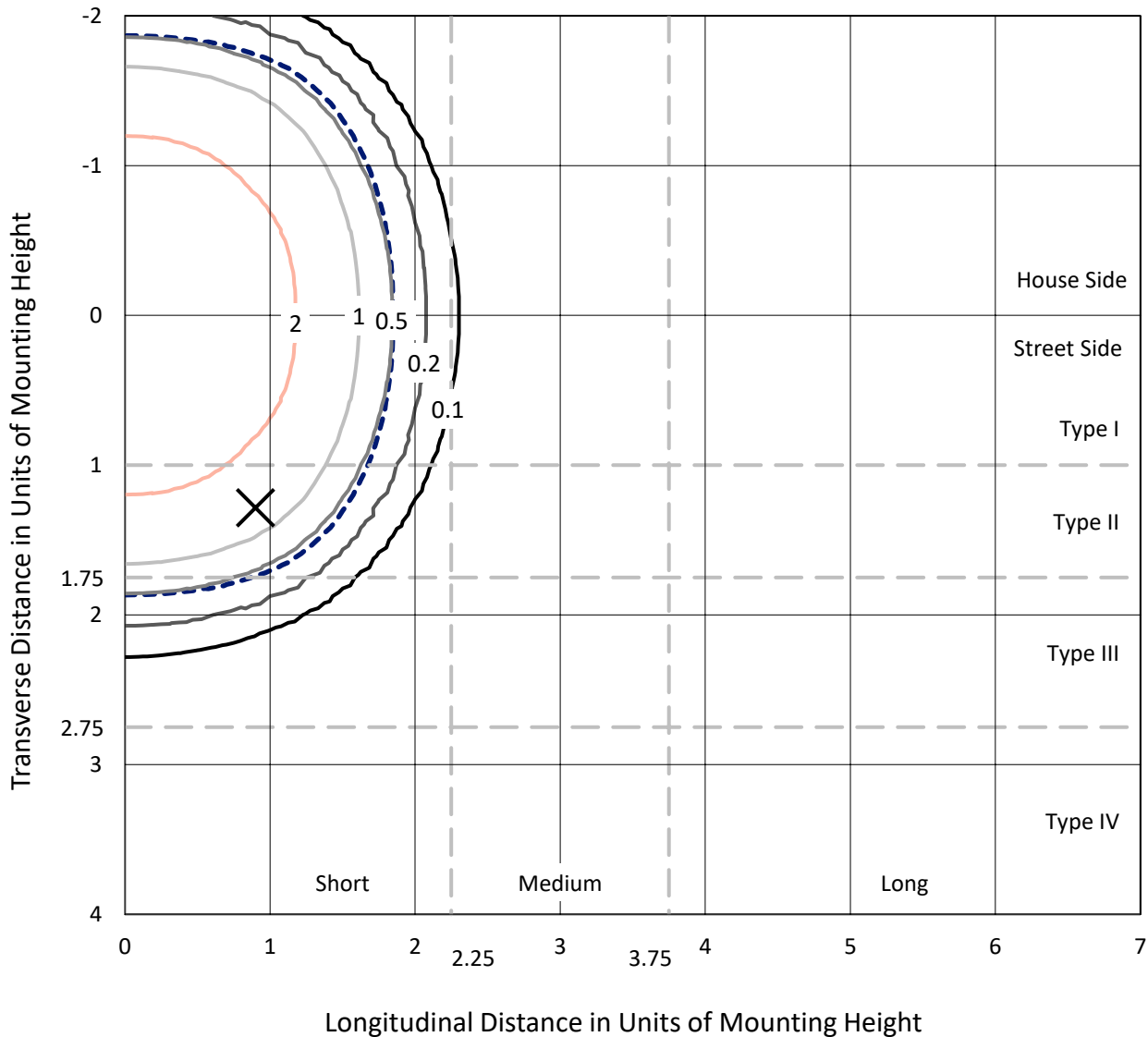
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

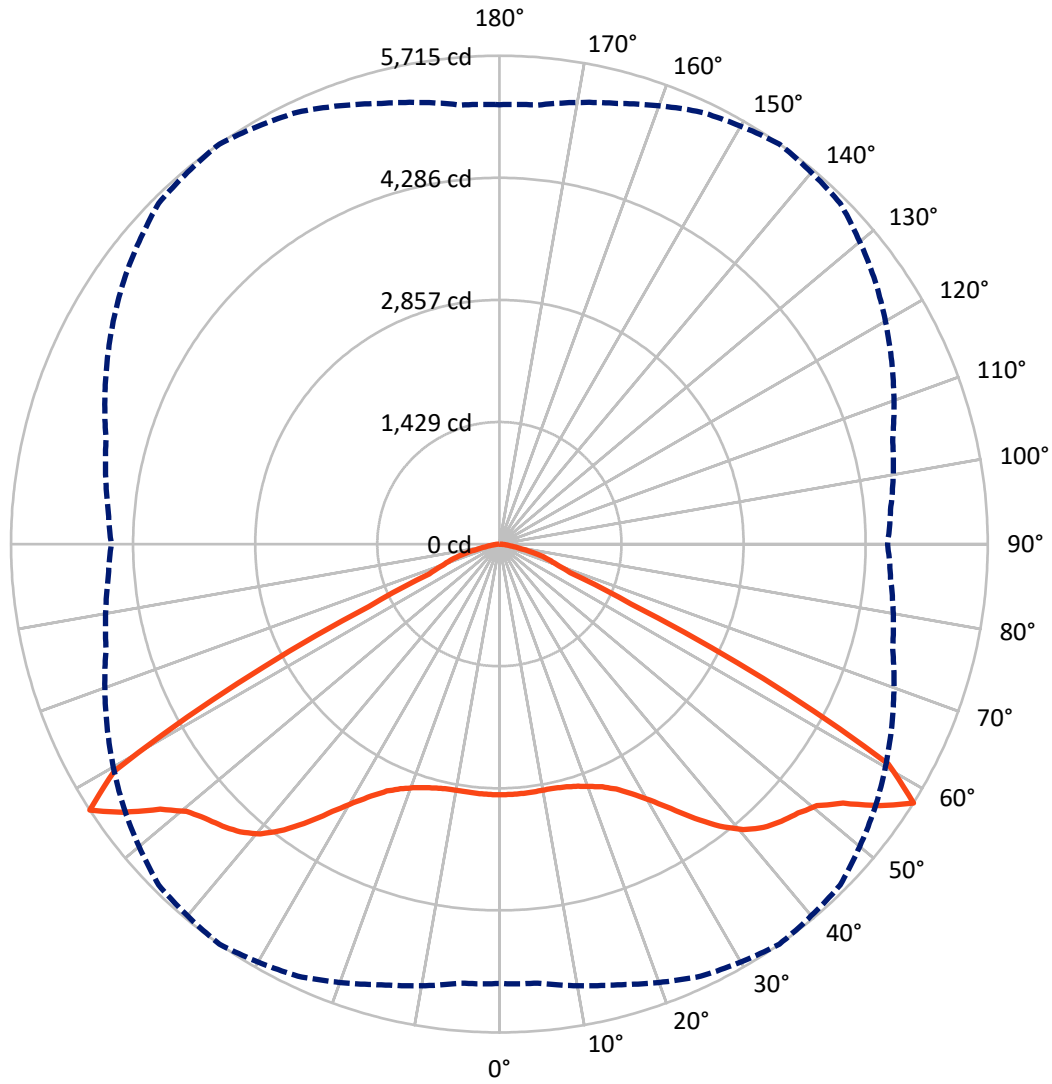
✕ Max cd
 - - - 1/2 Max cd



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7666.9	0.0	7666.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7666.9	0.0	7666.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	15333.7	0.0	15333.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.1	1.8
10°-20°	832.7	5.4
20°-30°	1453.0	9.5
30°-40°	2382.5	15.5
40°-50°	3508.9	22.9
50°-60°	4478.0	29.2
60°-70°	1887.2	12.3
70°-80°	450.8	2.9
80°-90°	61.4	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°	15333.7	100.0
0°-180°	15333.7	100.0

Coefficient of Utilization



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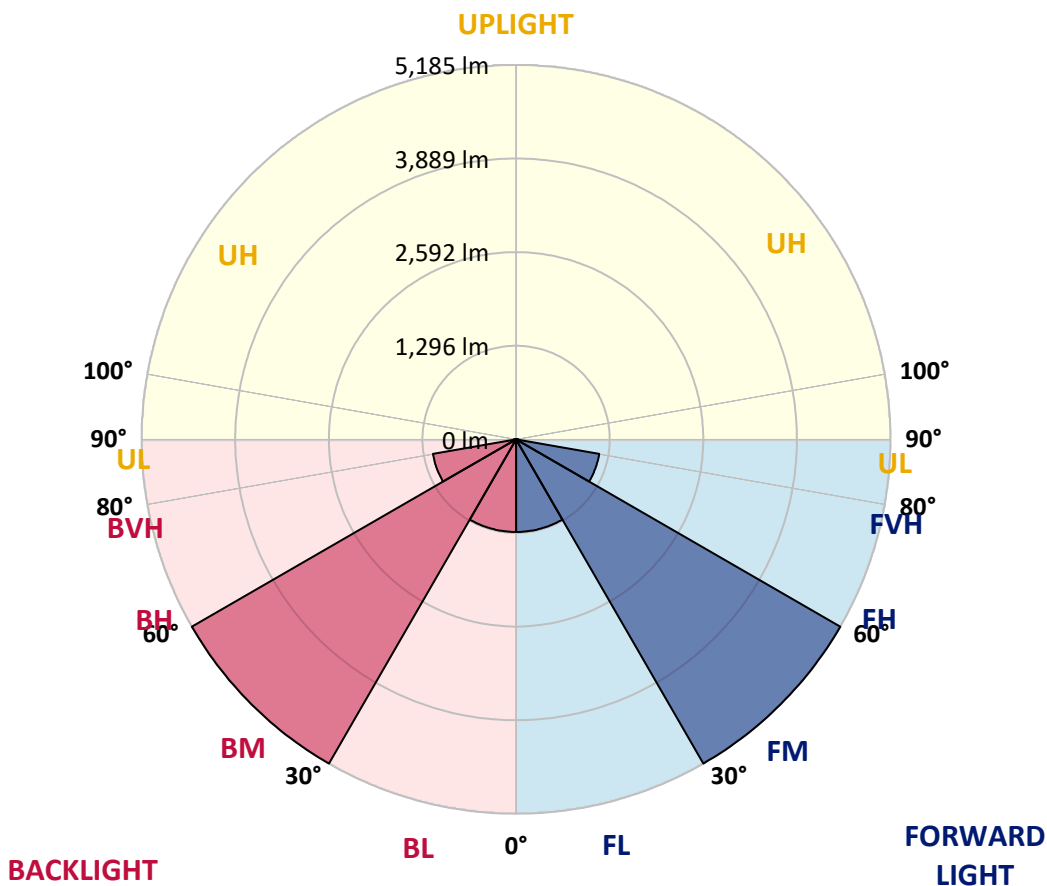
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1282.4	8.4			
FM (30°-60°)	5184.7	33.8			
FH (60°-80°)	1169.0	7.6			G1/1800
FVH (80°-90°)	30.7	0.2			G1/100
BL (0°-30°)	1282.4	8.4	B3/2500		
BM (30°-60°)	5184.7	33.8	B4/8500		
BH (60°-80°)	1169.0	7.6	B3/2500		G1/1800
BVH (80°-90°)	30.7	0.2			G1/100
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°	2933.9	2933.9	2933.9	2933.9	2933.9	2933.9	2933.9	2933.9	2933.9	2933.9	2933.9
2.5°	2916.4	2916.4	2922.6	2928.9	2931.4	2942.7	2941.5	2937.7	2935.2	2927.7	2937.7
5°	2922.6	2922.6	2927.7	2931.4	2930.2	2938.9	2935.2	2928.9	2925.1	2917.6	2928.9
7.5°	2921.4	2921.4	2925.1	2928.9	2926.4	2933.9	2927.7	2918.9	2912.6	2905.1	2915.1
10°	2905.1	2907.6	2911.3	2920.1	2923.9	2935.2	2926.4	2912.6	2902.5	2893.8	2903.8
12.5°	2902.5	2905.1	2910.1	2921.4	2927.7	2944.0	2932.7	2910.1	2895.0	2883.7	2893.8
15°	2913.8	2916.4	2923.9	2937.7	2947.7	2965.3	2949.0	2917.6	2896.3	2881.2	2890.0
17.5°	2927.7	2931.4	2942.7	2962.8	2979.1	2998.0	2977.9	2940.2	2910.1	2890.0	2897.5
20°	2942.7	2947.7	2965.3	2995.4	3025.6	3049.4	3024.3	2974.1	2937.7	2911.3	2918.9
22.5°	2969.1	2975.4	2998.0	3040.6	3085.8	3121.0	3089.6	3021.8	2974.1	2940.2	2946.5
25°	3023.1	3030.6	3059.5	3110.9	3175.0	3217.7	3173.7	3097.1	3030.6	2989.2	2995.4
27.5°	3118.5	3122.2	3159.9	3227.7	3306.8	3355.8	3303.0	3212.6	3138.6	3090.9	3095.9
30°	3244.0	3255.3	3293.0	3382.1	3476.3	3541.6	3472.5	3365.8	3280.4	3222.7	3227.7
32.5°	3397.2	3404.7	3461.2	3554.1	3689.7	3765.0	3670.9	3544.1	3441.1	3370.8	3375.8
35°	3598.0	3604.3	3658.3	3776.3	3940.8	4011.1	3903.1	3757.5	3638.2	3571.7	3590.5
37.5°	3837.8	3849.1	3888.1	4004.8	4188.1	4257.1	4132.9	3997.3	3873.0	3811.5	3825.3
40°	4095.2	4093.9	4125.3	4228.3	4395.2	4437.9	4326.2	4218.2	4111.5	4071.3	4093.9
42.5°	4316.2	4309.9	4332.5	4417.8	4533.3	4537.1	4463.0	4402.8	4327.4	4299.8	4321.2
45°	4470.6	4473.1	4507.0	4566.0	4625.0	4593.6	4571.0	4561.0	4502.0	4464.3	4468.1
47.5°	4592.3	4602.4	4656.4	4696.5	4704.1	4651.3	4682.7	4697.8	4648.8	4591.1	4574.8
50°	4700.3	4716.6	4786.9	4829.6	4813.3	4746.8	4808.3	4830.9	4722.9	4612.4	4579.8
52.5°	4896.2	4915.0	5000.4	5055.6	5036.8	4970.2	5028.0	4947.6	4765.6	4630.0	4588.6
55°	5208.8	5217.5	5321.7	5412.1	5403.3	5321.7	5275.3	5097.0	4876.1	4735.5	4696.5
57.5°	5142.2	5157.3	5338.1	5579.1	5714.7	5640.6	5368.2	5064.4	4764.3	4594.9	4542.1
60°	4046.2	4082.6	4307.4	4731.7	5228.8	5227.6	4721.7	4249.6	3888.1	3663.3	3640.7
62.5°	2362.7	2387.8	2592.5	3021.8	3467.5	3495.1	3139.8	2815.9	2499.6	2347.6	2274.8
65°	1118.6	1117.3	1198.9	1392.3	1693.6	1717.4	1610.7	1433.7	1246.6	1195.2	1181.4
67.5°	826.1	826.1	819.8	833.6	891.4	903.9	891.4	862.5	844.9	856.2	848.7
70°	716.8	718.1	710.6	706.8	706.8	703.0	708.1	719.4	726.9	742.0	734.4
72.5°	581.3	582.5	582.5	583.8	585.0	580.0	587.5	593.8	595.1	600.1	595.1
75°	413.0	415.5	423.1	429.4	434.4	434.4	436.9	438.1	433.1	439.4	429.4
77.5°	227.2	229.7	243.6	254.9	266.2	267.4	271.2	273.7	271.2	276.2	268.7
80°	125.5	128.1	134.3	139.4	148.1	155.7	160.7	163.2	163.2	167.0	163.2
82.5°	71.6	74.1	77.8	80.3	87.9	94.2	99.2	102.9	102.9	104.2	101.7
85°	33.9	33.9	36.4	38.9	42.7	45.2	51.5	55.2	55.2	57.7	55.2
87.5°	5.0	6.3	7.5	7.5	10.0	12.6	15.1	16.3	18.8	20.1	20.1
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)