

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: P635215

Luminaire Tested: GWS-SA3D-735-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635215
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-735-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14658.8 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

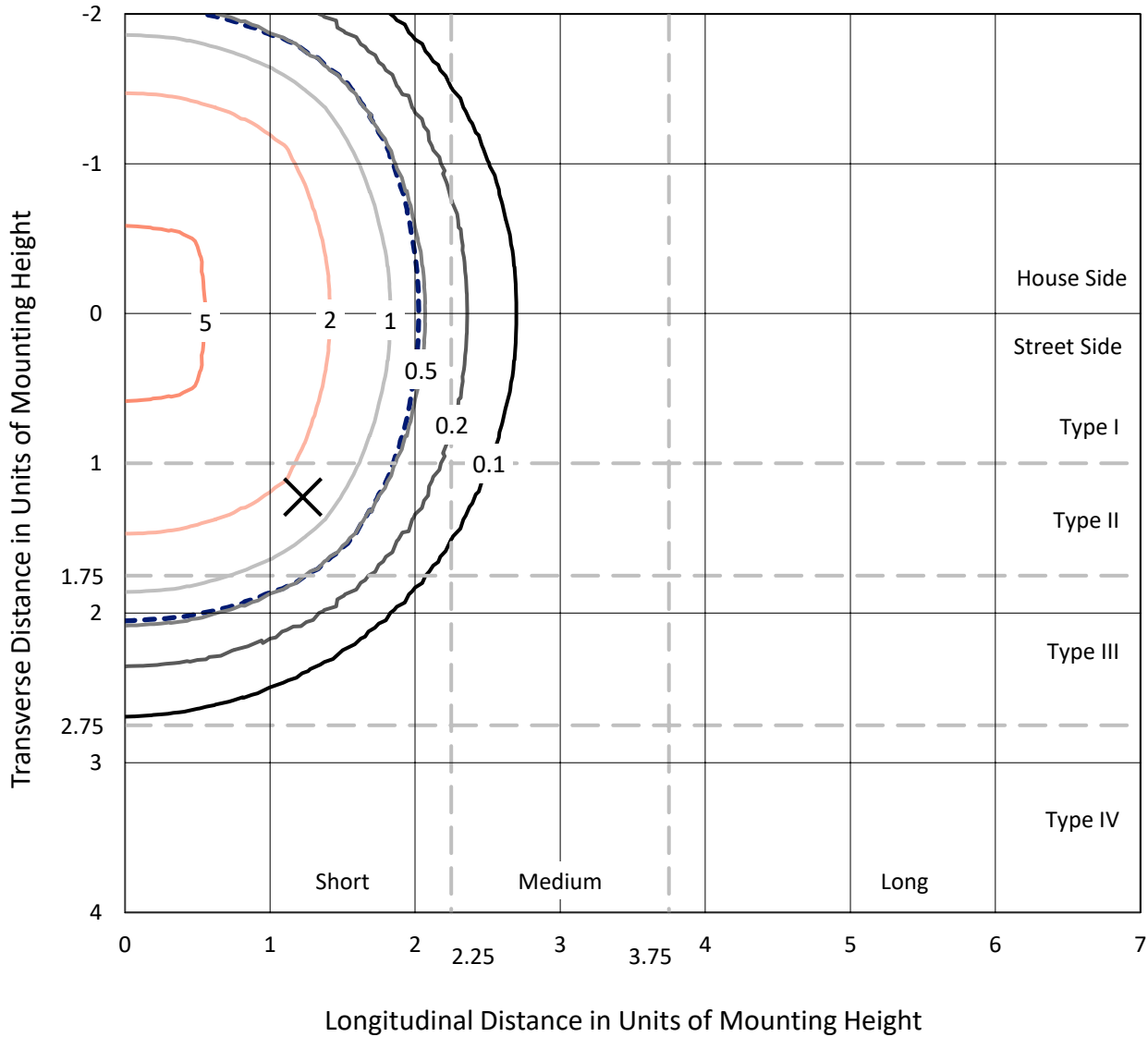
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

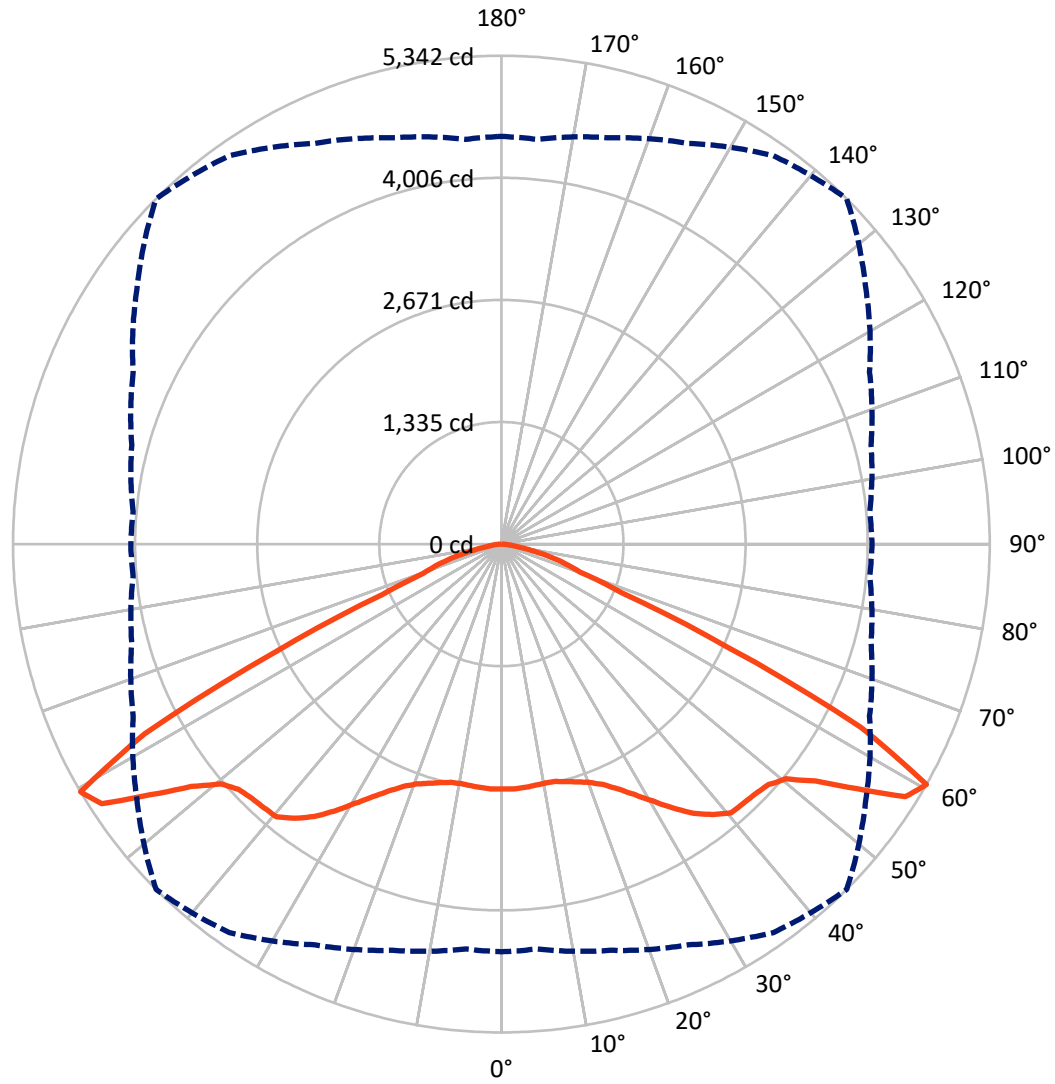
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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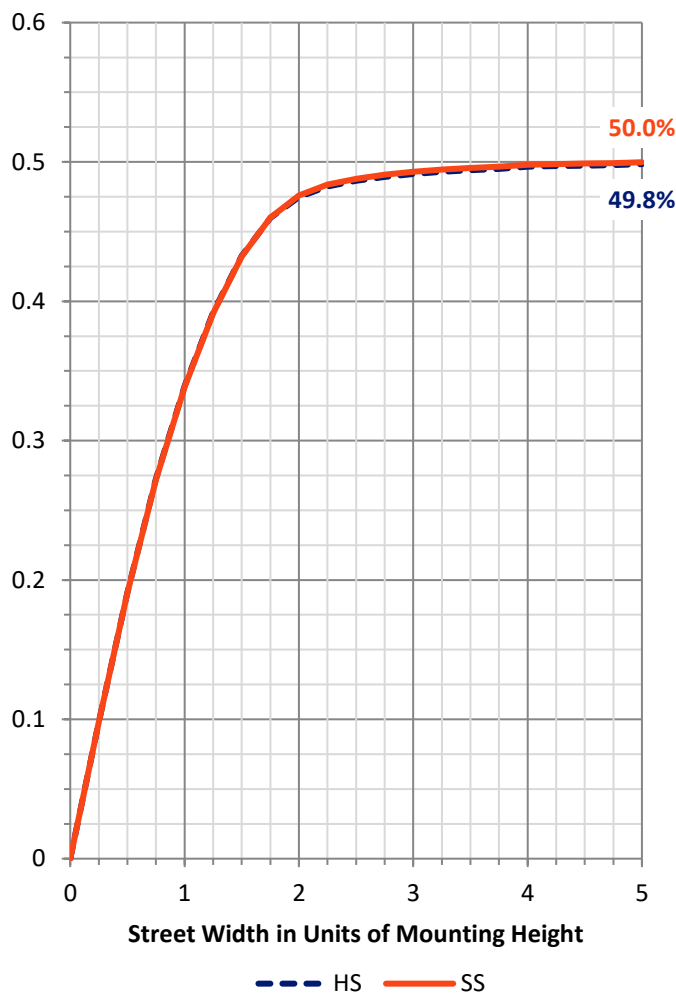
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7329.4	0.0	7329.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7329.4	0.0	7329.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	14658.8	0.0	14658.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.1	1.7
10°-20°	764.2	5.2
20°-30°	1351.9	9.2
30°-40°	2176.6	14.8
40°-50°	2991.7	20.4
50°-60°	3986.7	27.2
60°-70°	2484.7	17.0
70°-80°	571.4	3.9
80°-90°	77.5	0.5
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°	14658.8	100.0
0°-180°	14658.8	100.0

Coefficient of Utilization



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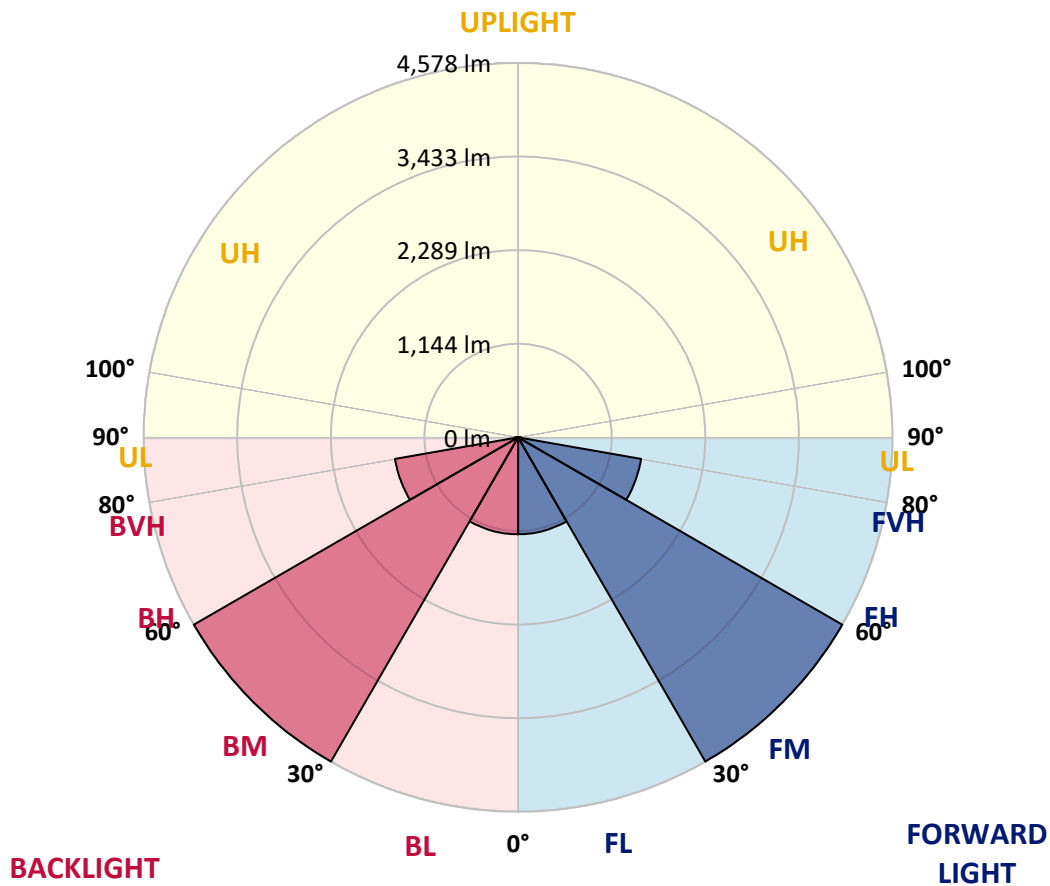
CATALOG NUMBER: GWS-SA3D-735-U-5WQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1185.1	8.1			
FM (30°-60°)	4577.5	31.2			
FH (60°-80°)	1528.0	10.4			G1/1800
FVH (80°-90°)	38.8	0.3			G1/100
BL (0°-30°)	1185.1	8.1	B3/2500		
BM (30°-60°)	4577.5	31.2	B3/5000		
BH (60°-80°)	1528.0	10.4	B3/2500		G1/1800
BVH (80°-90°)	38.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2678.9	2678.9	2678.9	2678.9	2678.9	2678.9	2678.9	2678.9	2678.9	2678.9	2678.9
2.5°	2660.2	2662.7	2667.7	2671.4	2676.4	2681.4	2683.9	2678.9	2676.4	2666.4	2677.6
5°	2662.7	2665.2	2668.9	2668.9	2670.2	2673.9	2673.9	2667.7	2661.5	2650.3	2662.7
7.5°	2659.0	2661.5	2662.7	2661.5	2662.7	2663.9	2661.5	2654.0	2647.8	2637.8	2647.8
10°	2652.7	2655.2	2657.7	2655.2	2652.7	2656.5	2656.5	2651.5	2647.8	2637.8	2649.0
12.5°	2666.4	2670.2	2671.4	2665.2	2662.7	2663.9	2663.9	2659.0	2659.0	2650.3	2662.7
15°	2698.8	2701.3	2697.5	2690.1	2691.3	2695.1	2686.3	2673.9	2671.4	2667.7	2677.6
17.5°	2723.7	2726.2	2722.4	2717.4	2726.2	2734.9	2718.7	2695.1	2687.6	2685.1	2696.3
20°	2751.0	2754.8	2749.8	2756.0	2773.4	2783.4	2763.5	2731.1	2716.2	2712.5	2726.2
22.5°	2795.8	2800.8	2800.8	2814.5	2840.6	2856.8	2831.9	2788.4	2766.0	2759.8	2773.4
25°	2866.8	2870.5	2874.2	2901.6	2943.9	2966.3	2926.5	2866.8	2835.7	2825.7	2833.2
27.5°	2965.1	2971.3	2977.5	3017.3	3069.6	3101.9	3044.7	2970.0	2931.5	2911.5	2926.5
30°	3082.0	3090.7	3105.7	3150.4	3223.9	3259.9	3186.5	3095.7	3052.2	3031.0	3050.9
32.5°	3241.3	3242.5	3253.7	3303.5	3400.5	3441.6	3349.5	3248.7	3203.9	3179.1	3190.3
35°	3430.4	3431.6	3414.2	3465.2	3569.8	3615.8	3507.5	3405.5	3368.2	3360.7	3389.3
37.5°	3624.5	3613.3	3595.9	3618.3	3724.0	3753.9	3639.4	3552.3	3536.2	3549.9	3592.2
40°	3762.6	3744.0	3709.1	3725.3	3832.3	3867.1	3745.2	3663.1	3658.1	3691.7	3742.7
42.5°	3852.2	3832.3	3791.2	3791.2	3864.6	3879.6	3785.0	3741.5	3752.7	3791.2	3839.8
45°	3895.8	3884.6	3860.9	3848.5	3889.5	3895.8	3823.6	3806.2	3827.3	3846.0	3883.3
47.5°	3929.3	3929.3	3921.9	3909.4	3928.1	3931.8	3878.3	3873.4	3900.7	3900.7	3925.6
50°	3989.1	3995.3	4005.2	4002.8	4022.7	4035.1	3995.3	3987.8	3999.0	3962.9	3975.4
52.5°	4145.8	4162.0	4190.6	4213.0	4264.1	4302.6	4231.7	4172.0	4113.5	4033.9	4036.4
55°	4427.0	4434.5	4490.5	4556.5	4642.3	4720.7	4575.1	4389.7	4262.8	4169.5	4170.7
57.5°	4664.7	4675.9	4758.0	4896.1	5089.0	5210.9	4888.7	4578.8	4399.7	4285.2	4288.9
60°	4459.4	4444.5	4600.0	4836.4	5186.0	5341.6	4866.3	4443.2	4185.7	4043.8	4053.8
62.5°	3450.3	3421.7	3594.6	3842.3	4261.6	4417.1	3979.1	3573.5	3329.6	3218.9	3202.7
65°	2100.3	2074.2	2198.6	2350.4	2634.1	2732.4	2532.1	2316.8	2104.0	2036.8	2018.2
67.5°	1143.5	1139.7	1173.3	1248.0	1372.4	1418.4	1379.9	1277.8	1223.1	1175.8	1175.8
70°	907.1	899.6	893.4	894.6	905.8	912.0	913.3	908.3	914.5	915.8	910.8
72.5°	751.5	749.0	736.6	737.8	732.9	730.4	739.1	744.1	754.0	755.3	755.3
75°	545.0	538.8	545.0	546.2	541.2	541.2	547.5	546.2	551.2	553.7	540.0
77.5°	309.8	309.8	318.5	328.5	335.9	335.9	342.2	342.2	348.4	347.1	344.7
80°	170.5	170.5	175.4	181.7	189.1	196.6	202.8	204.1	207.8	206.5	202.8
82.5°	97.1	98.3	100.8	104.5	112.0	118.2	124.4	125.7	129.4	129.4	125.7
85°	46.0	44.8	46.0	48.5	52.3	57.2	63.5	67.2	69.7	69.7	67.2
87.5°	8.7	10.0	8.7	10.0	11.2	14.9	17.4	19.9	23.6	24.9	22.4
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)