

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: P635322

Luminaire Tested: GWS-SA3D-750-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635322
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-750-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16319.3 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

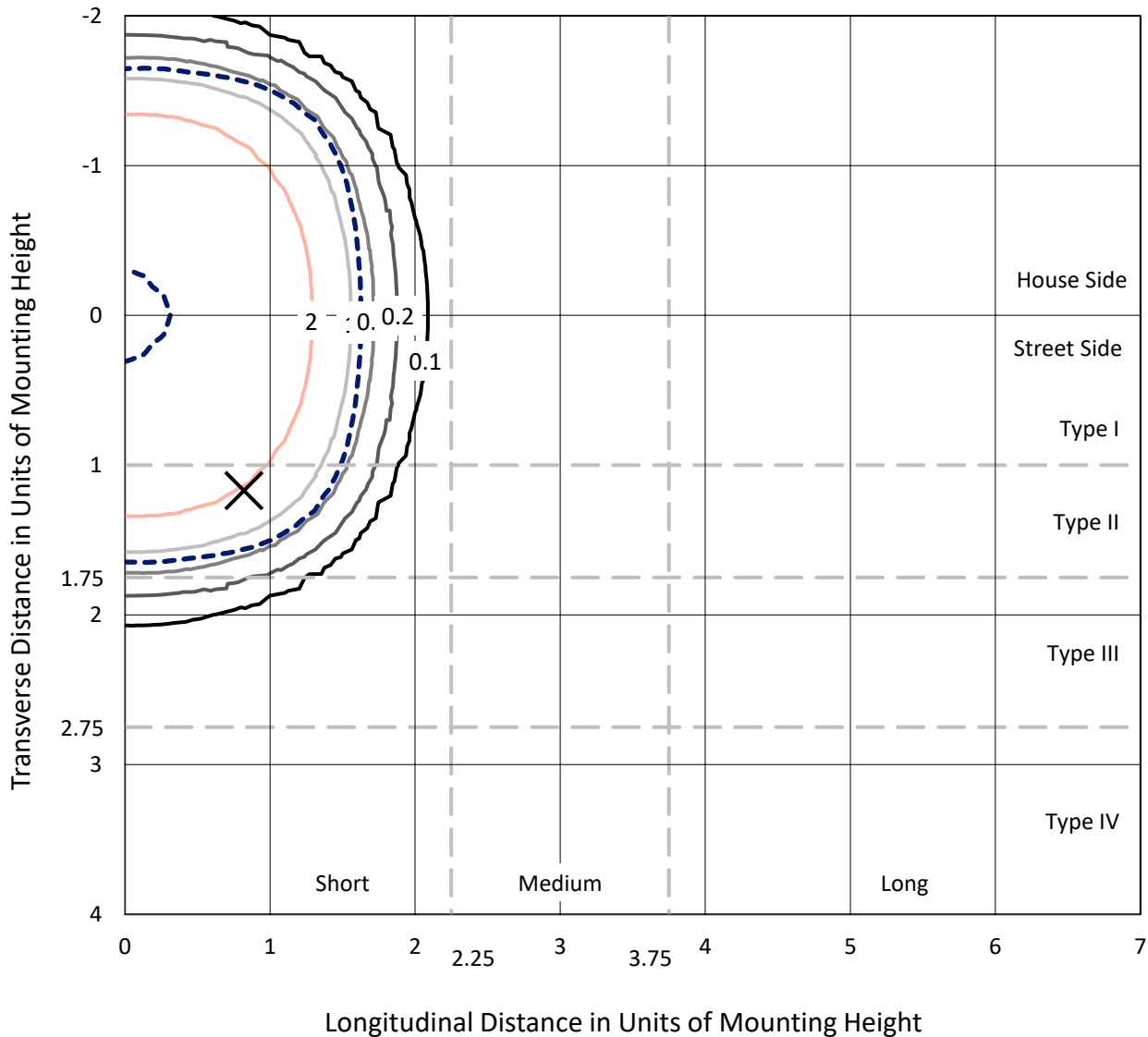
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

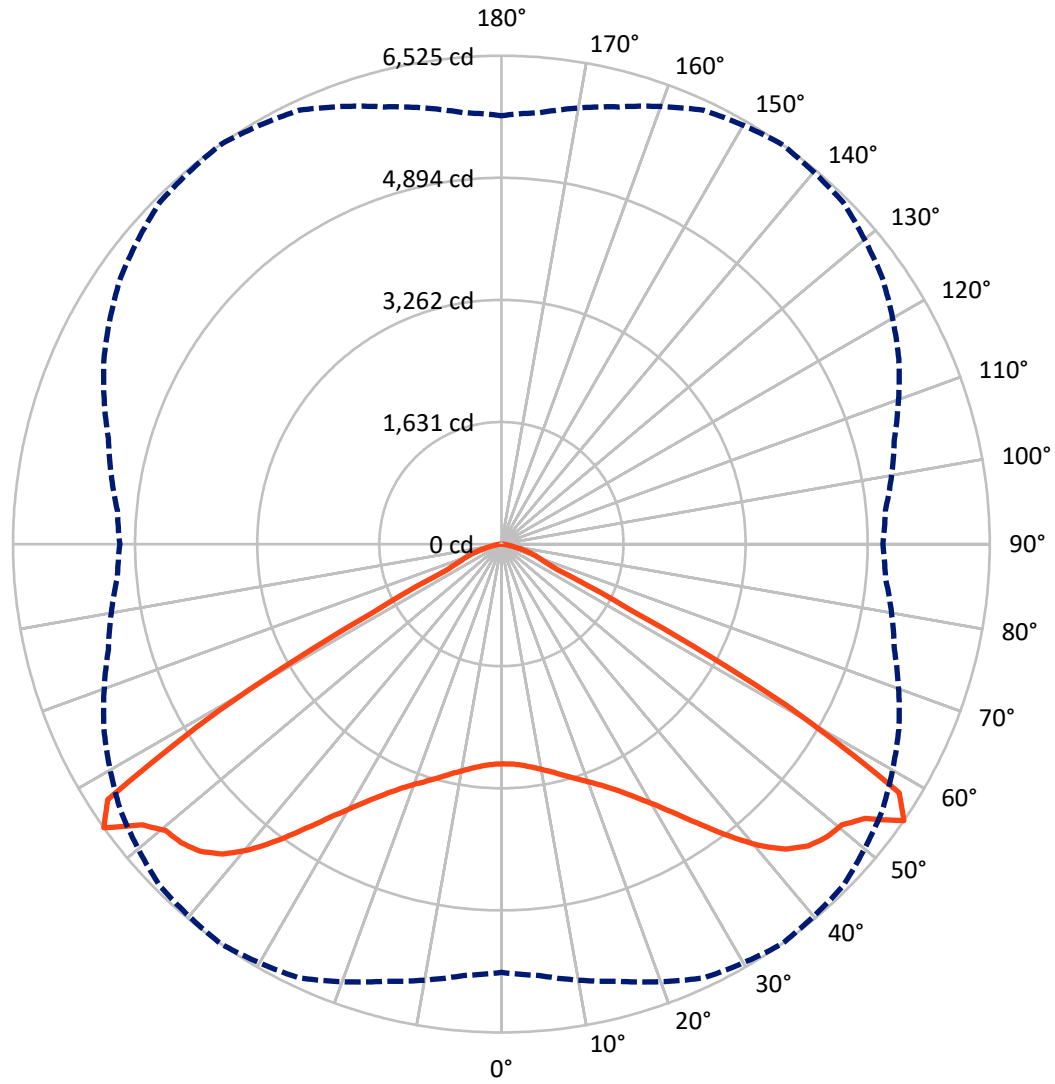
✕ Max cd
 - - - 1/2 Max cd



Based on 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 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8159.7	0.0	8159.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8159.7	0.0	8159.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	16319.3	0.0	16319.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.4	1.8
10°-20°	911.7	5.6
20°-30°	1687.4	10.3
30°-40°	2822.6	17.3
40°-50°	4301.3	26.4
50°-60°	4818.3	29.5
60°-70°	1140.1	7.0
70°-80°	307.4	1.9
80°-90°	44.2	0.3
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°	16319.3	100.0
0°-180°	16319.3	100.0

Coefficient of Utilization



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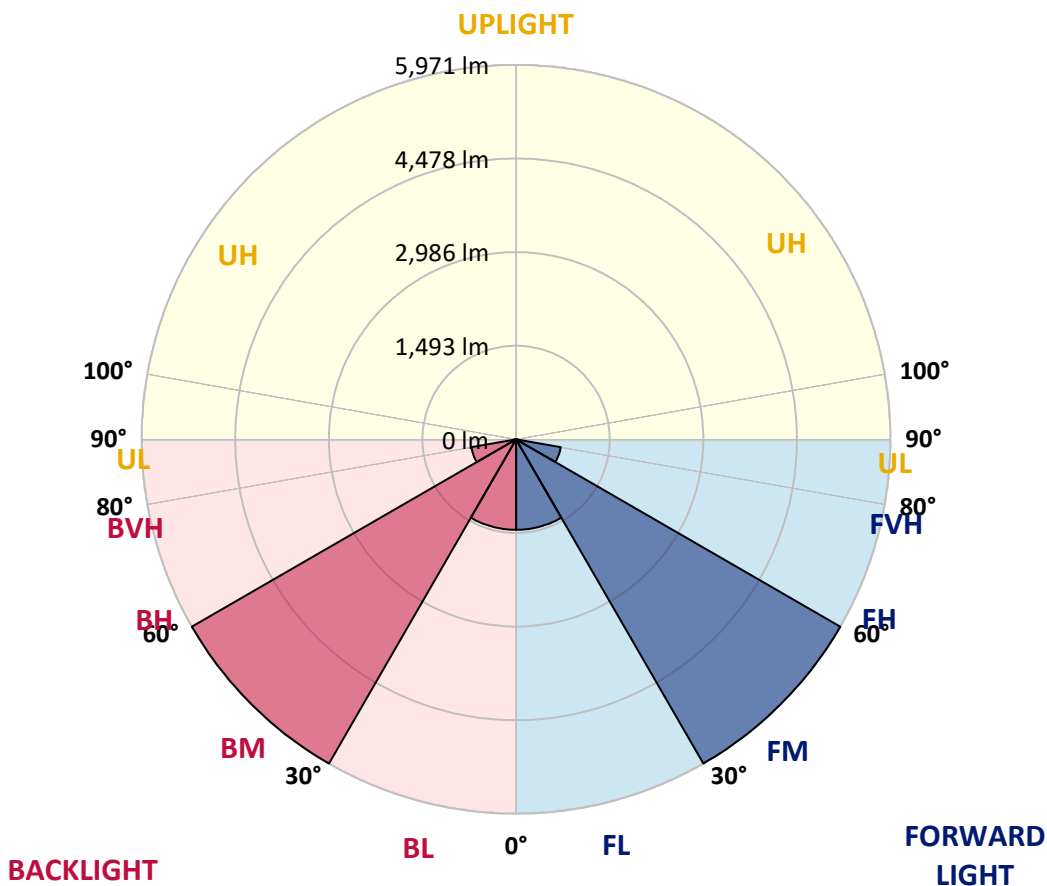
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1442.7	8.8			
FM (30°-60°)	5971.1	36.6			
FH (60°-80°)	723.7	4.4			G1/1800
FVH (80°-90°)	22.1	0.1			G1/100
BL (0°-30°)	1442.7	8.8	B3/2500		
BM (30°-60°)	5971.1	36.6	B4/8500		
BH (60°-80°)	723.7	4.4	B2/1000		G1/1800
BVH (80°-90°)	22.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 </tr			

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°	2935.9	2935.9	2935.9	2935.9	2935.9	2935.9	2935.9	2935.9	2935.9	2935.9	2935.9
2.5°	2929.4	2929.4	2934.6	2941.0	2942.3	2955.2	2952.7	2947.5	2944.9	2939.8	2951.4
5°	2961.7	2963.0	2966.9	2970.7	2968.1	2978.5	2974.6	2968.1	2964.3	2957.8	2969.4
7.5°	3004.3	3004.3	3008.2	3013.3	3010.7	3026.2	3018.5	3009.4	3003.0	2995.2	3005.6
10°	3043.0	3045.6	3049.4	3059.8	3064.9	3081.7	3076.6	3063.6	3053.3	3044.3	3055.9
12.5°	3101.1	3103.7	3107.5	3121.7	3130.8	3147.5	3139.8	3121.7	3106.2	3093.3	3106.2
15°	3175.9	3173.3	3183.7	3201.7	3213.3	3228.8	3219.8	3188.8	3168.2	3151.4	3164.3
17.5°	3252.1	3250.8	3261.1	3284.3	3301.1	3321.7	3306.3	3270.1	3248.2	3227.5	3240.4
20°	3334.7	3338.5	3348.8	3370.8	3395.3	3422.4	3409.5	3370.8	3346.3	3323.0	3333.4
22.5°	3436.6	3437.9	3449.5	3477.9	3510.2	3536.0	3528.2	3480.5	3449.5	3425.0	3437.9
25°	3559.2	3557.9	3573.4	3606.9	3652.1	3677.9	3661.1	3608.2	3574.7	3546.3	3556.6
27.5°	3699.9	3698.6	3721.8	3765.7	3830.2	3866.3	3831.5	3765.7	3719.2	3679.2	3688.2
30°	3876.7	3872.8	3898.6	3958.0	4041.8	4102.5	4050.9	3959.3	3898.6	3856.0	3865.0
32.5°	4072.8	4078.0	4110.2	4190.3	4296.1	4374.8	4297.4	4195.4	4114.1	4052.2	4062.5
35°	4288.3	4288.3	4354.1	4453.5	4604.5	4709.0	4589.0	4441.9	4333.5	4248.3	4250.9
37.5°	4528.4	4530.9	4617.4	4754.2	4951.6	5074.2	4911.6	4729.7	4598.0	4506.4	4501.3
40°	4821.3	4829.0	4918.1	5070.4	5292.3	5404.6	5230.4	5052.3	4918.1	4809.7	4799.4
42.5°	5151.7	5154.3	5248.5	5385.3	5572.4	5639.5	5502.7	5356.9	5247.2	5149.1	5138.8
45°	5466.6	5460.1	5541.4	5643.4	5751.8	5758.2	5682.1	5622.7	5527.2	5443.3	5427.8
47.5°	5711.7	5706.6	5780.1	5835.6	5848.5	5785.3	5809.8	5818.9	5707.9	5594.3	5564.6
50°	5861.4	5871.8	5941.5	5972.4	5896.3	5793.1	5886.0	5862.7	5704.0	5555.6	5507.9
52.5°	5951.8	5967.3	6088.6	6167.3	6088.6	5990.5	6003.4	5866.6	5638.2	5442.0	5380.1
55°	5723.4	5785.3	6047.3	6395.7	6524.8	6456.4	6211.2	5858.9	5435.6	5150.4	5097.5
57.5°	4241.9	4339.9	4728.4	5483.3	6268.0	6517.0	5800.8	4911.6	4270.3	3903.8	3872.8
60°	2165.5	2275.2	2586.2	3361.8	4370.9	4721.9	4040.6	3144.9	2499.7	2202.9	2169.3
62.5°	884.0	902.1	1004.0	1303.4	1931.9	2228.7	1957.7	1374.4	1032.4	951.1	952.4
65°	695.6	699.5	694.3	712.4	809.1	898.2	829.8	729.1	711.1	720.1	713.6
67.5°	606.5	607.8	604.0	604.0	607.8	604.0	611.7	615.6	618.1	628.5	622.0
70°	507.2	508.5	508.5	511.0	509.7	503.3	514.9	520.1	521.4	527.8	523.9
72.5°	392.3	396.2	398.8	400.1	398.8	394.9	401.3	410.4	409.1	415.5	409.1
75°	265.8	271.0	273.6	278.7	277.5	277.5	285.2	289.1	285.2	290.4	285.2
77.5°	151.0	154.9	162.6	167.8	172.9	176.8	182.0	184.5	183.3	185.8	183.3
80°	87.8	89.0	95.5	98.1	104.5	111.0	116.1	118.7	120.0	121.3	120.0
82.5°	50.3	51.6	54.2	56.8	61.9	67.1	72.3	76.1	76.1	77.4	76.1
85°	24.5	24.5	25.8	27.1	29.7	33.6	37.4	41.3	42.6	42.6	42.6
87.5°	3.9	3.9	5.2	5.2	6.5	7.7	10.3	12.9	14.2	14.2	14.2
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)