

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: P635267

Luminaire Tested: GWS-SA3D-740-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635267
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15953.7 lumens
Efficiency: N/A
Efficacy: 132.1 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

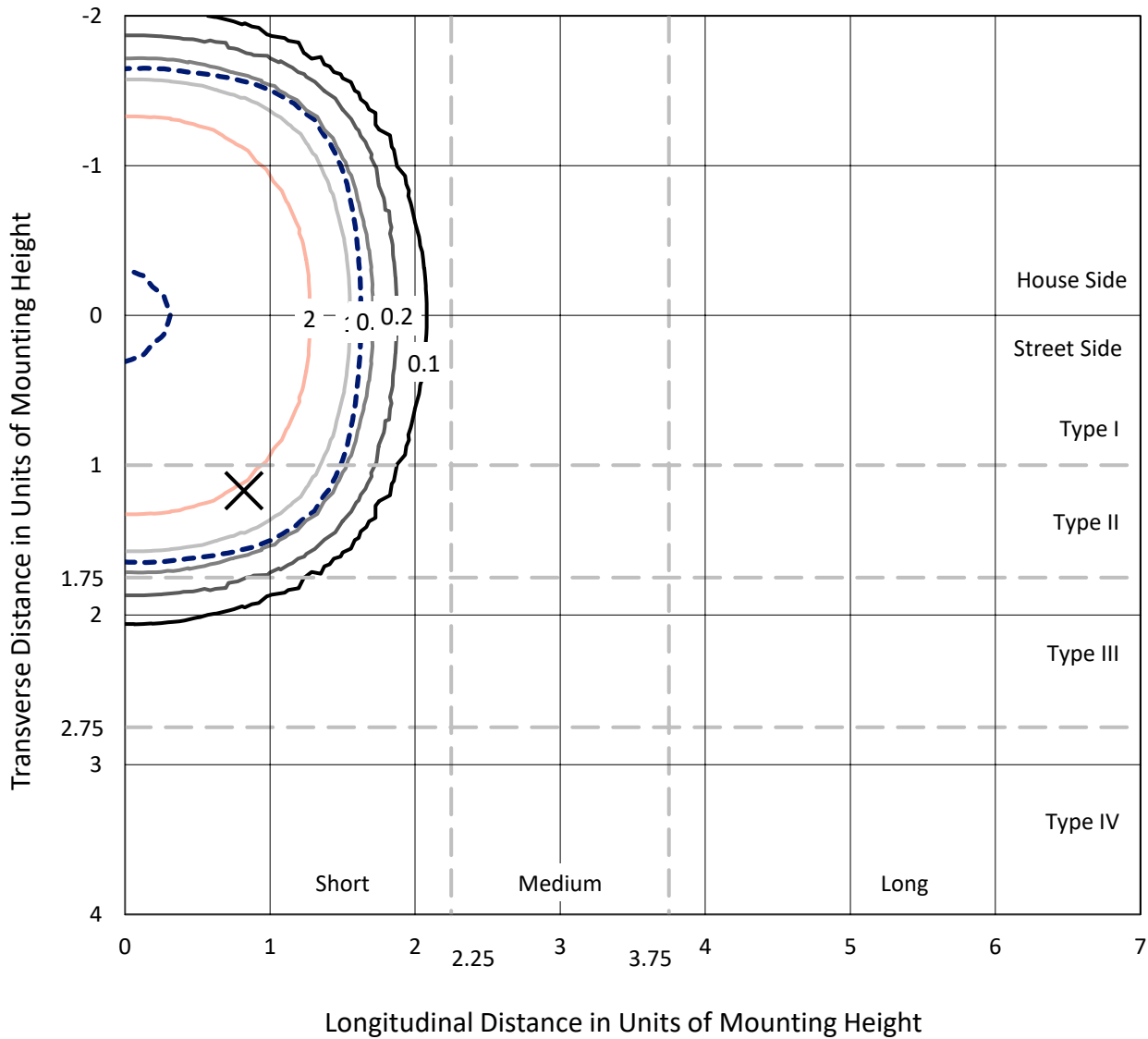
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

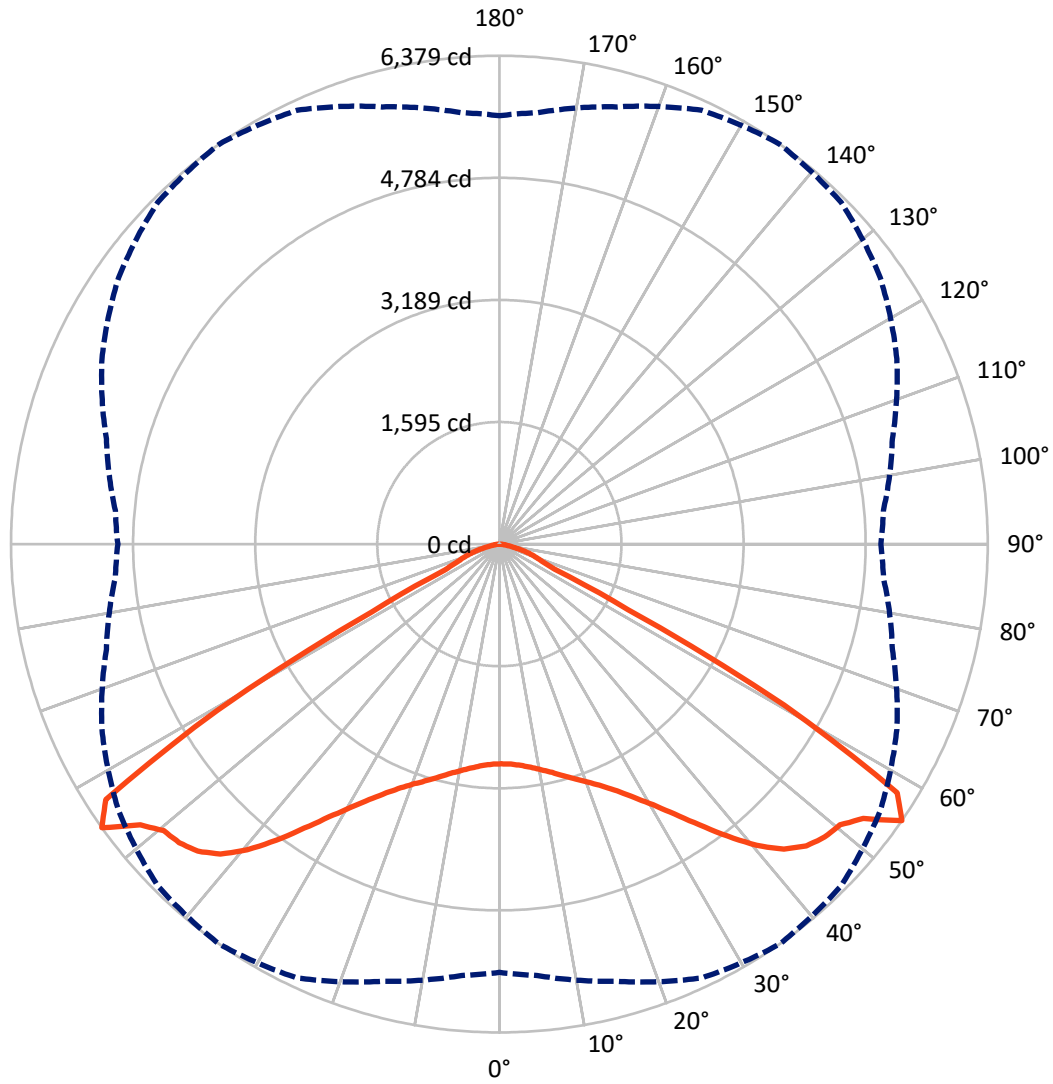
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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	7976.8	0.0	7976.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7976.8	0.0	7976.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	15953.7	0.0	15953.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.9	1.8
10°-20°	891.3	5.6
20°-30°	1649.6	10.3
30°-40°	2759.4	17.3
40°-50°	4204.9	26.4
50°-60°	4710.4	29.5
60°-70°	1114.5	7.0
70°-80°	300.5	1.9
80°-90°	43.2	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°	15953.7	100.0
0°-180°	15953.7	100.0

Coefficient of Utilization



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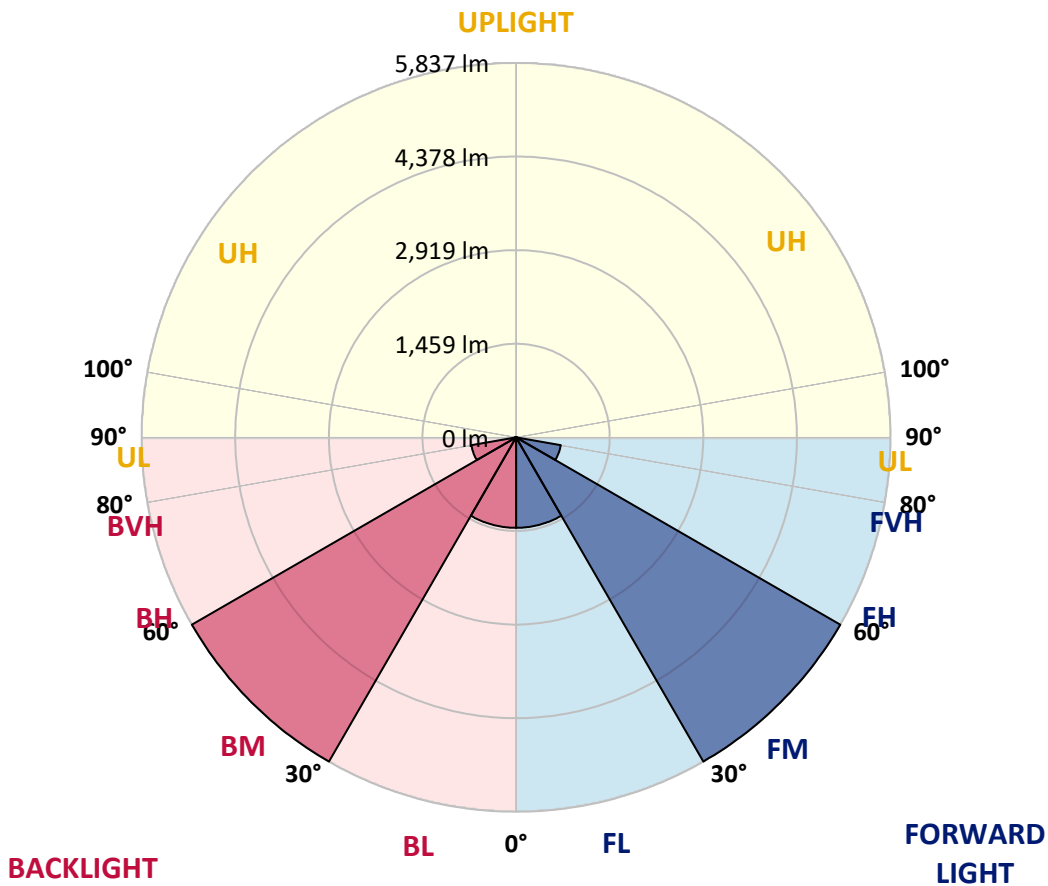
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1410.4	8.8			
FM (30°-60°)	5837.3	36.6			
FH (60°-80°)	707.5	4.4			G1/1800
FVH (80°-90°)	21.6	0.1			G1/100
BL (0°-30°)	1410.4	8.8	B3/2500		
BM (30°-60°)	5837.3	36.6	B4/8500		
BH (60°-80°)	707.5	4.4	B2/1000		G1/1800
BVH (80°-90°)	21.6	0.1			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°	2870.1	2870.1	2870.1	2870.1	2870.1	2870.1	2870.1	2870.1	2870.1	2870.1	2870.1
2.5°	2863.8	2863.8	2868.9	2875.2	2876.4	2889.0	2886.5	2881.5	2878.9	2873.9	2885.3
5°	2895.3	2896.6	2900.4	2904.2	2901.7	2911.7	2908.0	2901.7	2897.9	2891.6	2902.9
7.5°	2937.0	2937.0	2940.8	2945.8	2943.3	2958.4	2950.9	2942.0	2935.7	2928.1	2938.2
10°	2974.8	2977.3	2981.1	2991.2	2996.3	3012.7	3007.6	2995.0	2984.9	2976.1	2987.4
12.5°	3031.6	3034.1	3037.9	3051.8	3060.6	3077.0	3069.4	3051.8	3036.6	3024.0	3036.6
15°	3104.8	3102.2	3112.3	3130.0	3141.4	3156.5	3147.7	3117.4	3097.2	3080.8	3093.4
17.5°	3179.2	3177.9	3188.0	3210.7	3227.1	3247.3	3232.2	3196.9	3175.4	3155.2	3167.8
20°	3259.9	3263.7	3273.8	3295.3	3319.2	3345.7	3333.1	3295.3	3271.3	3248.6	3258.7
22.5°	3359.6	3360.9	3372.2	3400.0	3431.5	3456.8	3449.2	3402.5	3372.2	3348.3	3360.9
25°	3479.5	3478.2	3493.3	3526.1	3570.3	3595.5	3579.1	3527.4	3494.6	3466.8	3476.9
27.5°	3617.0	3615.7	3638.4	3681.3	3744.4	3779.7	3745.7	3681.3	3635.9	3596.8	3605.6
30°	3789.8	3786.0	3811.3	3869.3	3951.3	4010.6	3960.1	3870.6	3811.3	3769.6	3778.5
32.5°	3981.6	3986.6	4018.2	4096.4	4199.8	4276.8	4201.1	4101.4	4021.9	3961.4	3971.5
35°	4192.3	4192.3	4256.6	4353.7	4501.3	4603.5	4486.2	4342.4	4236.4	4153.1	4155.7
37.5°	4426.9	4429.4	4514.0	4647.7	4840.7	4960.6	4801.6	4623.7	4495.0	4405.5	4400.4
40°	4713.3	4720.9	4807.9	4956.8	5173.8	5283.5	5113.2	4939.1	4807.9	4701.9	4691.8
42.5°	5036.3	5038.8	5130.9	5264.6	5447.5	5513.1	5379.4	5236.9	5129.6	5033.7	5023.6
45°	5344.1	5337.8	5417.3	5516.9	5622.9	5629.2	5554.8	5496.7	5403.4	5321.4	5306.2
47.5°	5583.8	5578.7	5650.7	5704.9	5717.5	5655.7	5679.7	5688.5	5580.0	5469.0	5440.0
50°	5730.1	5740.2	5808.4	5838.6	5764.2	5663.3	5754.1	5731.4	5576.2	5431.1	5384.5
52.5°	5818.4	5833.6	5952.2	6029.1	5952.2	5856.3	5868.9	5735.2	5511.9	5320.1	5259.6
55°	5595.1	5655.7	5911.8	6252.4	6378.6	6311.7	6072.0	5727.6	5313.8	5035.0	4983.3
57.5°	4146.8	4242.7	4622.5	5360.5	6127.5	6371.0	5670.8	4801.6	4174.6	3816.3	3786.0
60°	2116.9	2224.2	2528.2	3286.4	4273.0	4616.2	3950.0	3074.5	2443.7	2153.5	2120.7
62.5°	864.2	881.9	981.5	1274.2	1888.6	2178.8	1913.8	1343.6	1009.3	929.8	931.1
65°	680.0	683.8	678.7	696.4	791.0	878.1	811.2	712.8	695.1	704.0	697.7
67.5°	592.9	594.2	590.4	590.4	594.2	590.4	598.0	601.8	604.3	614.4	608.1
70°	495.8	497.1	497.1	499.6	498.3	492.0	503.4	508.4	509.7	516.0	512.2
72.5°	383.5	387.3	389.8	391.1	389.8	386.0	392.4	401.2	399.9	406.2	399.9
75°	259.9	264.9	267.5	272.5	271.2	271.2	278.8	282.6	278.8	283.9	278.8
77.5°	147.6	151.4	159.0	164.0	169.1	172.8	177.9	180.4	179.1	181.7	179.1
80°	85.8	87.0	93.4	95.9	102.2	108.5	113.5	116.1	117.3	118.6	117.3
82.5°	49.2	50.5	53.0	55.5	60.6	65.6	70.6	74.4	74.4	75.7	74.4
85°	24.0	24.0	25.2	26.5	29.0	32.8	36.6	40.4	41.6	41.6	41.6
87.5°	3.8	3.8	5.0	5.0	6.3	7.6	10.1	12.6	13.9	13.9	13.9
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)