

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: P635763

Luminaire Tested: GWS-SA3E-740-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635763
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-740-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22985.5 lumens
Efficiency: N/A
Efficacy: 144.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

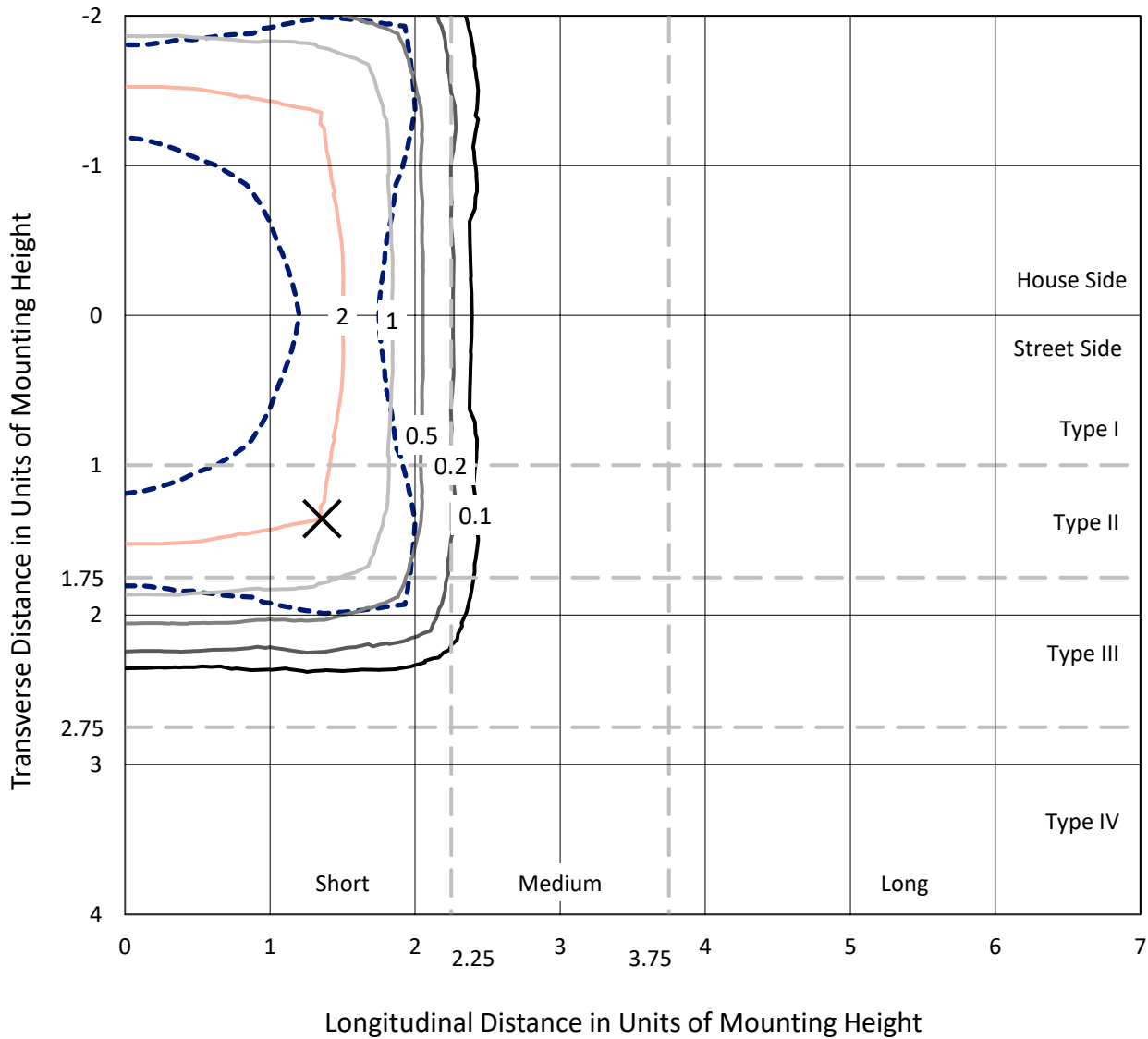
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

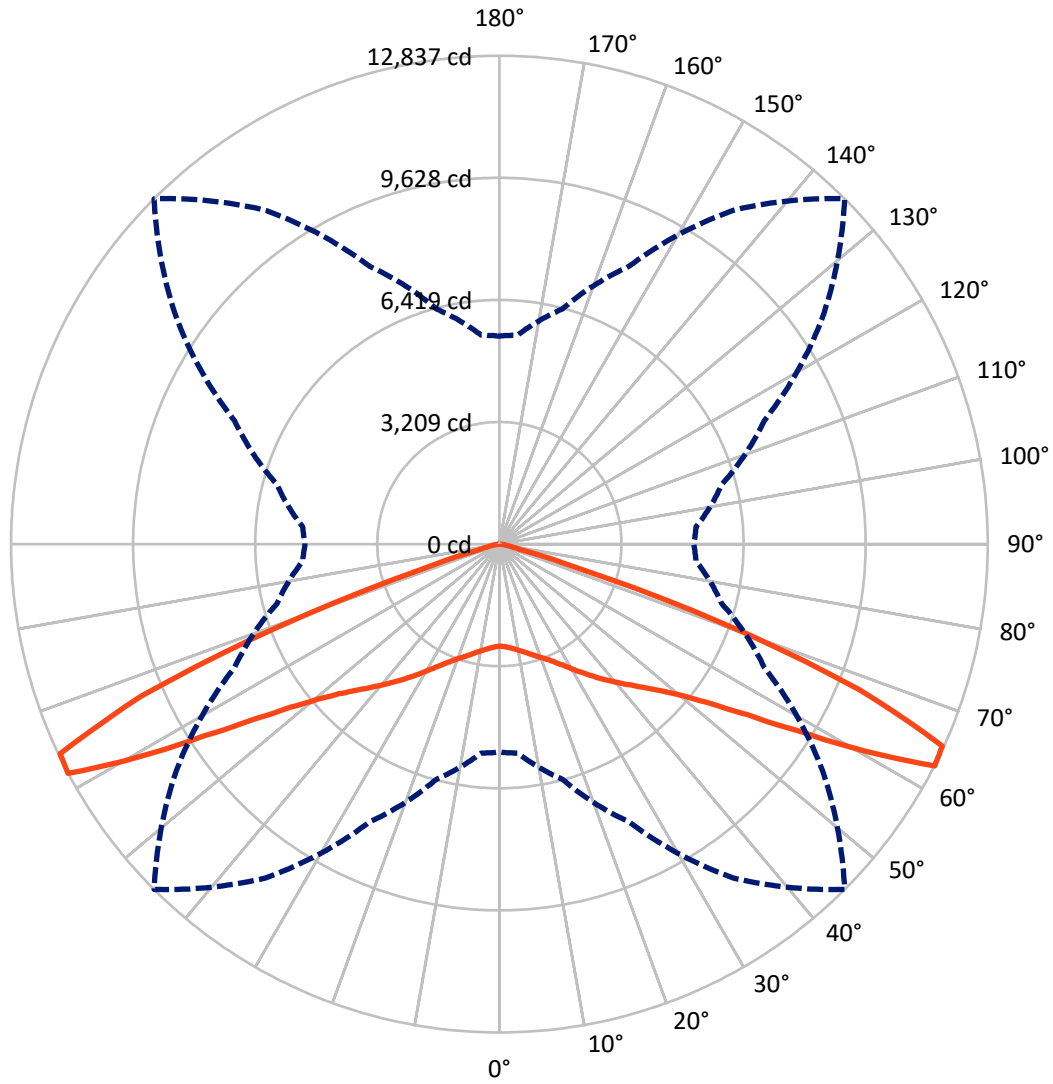
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11492.7	0.0	11492.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11492.7	0.0	11492.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	22985.5	0.0	22985.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.1	1.1
10°-20°	848.4	3.7
20°-30°	1605.2	7.0
30°-40°	2701.7	11.8
40°-50°	4316.6	18.8
50°-60°	6958.1	30.3
60°-70°	5677.0	24.7
70°-80°	551.3	2.4
80°-90°	64.2	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°	22985.5	100.0
0°-180°	22985.5	100.0

Coefficient of Utilization



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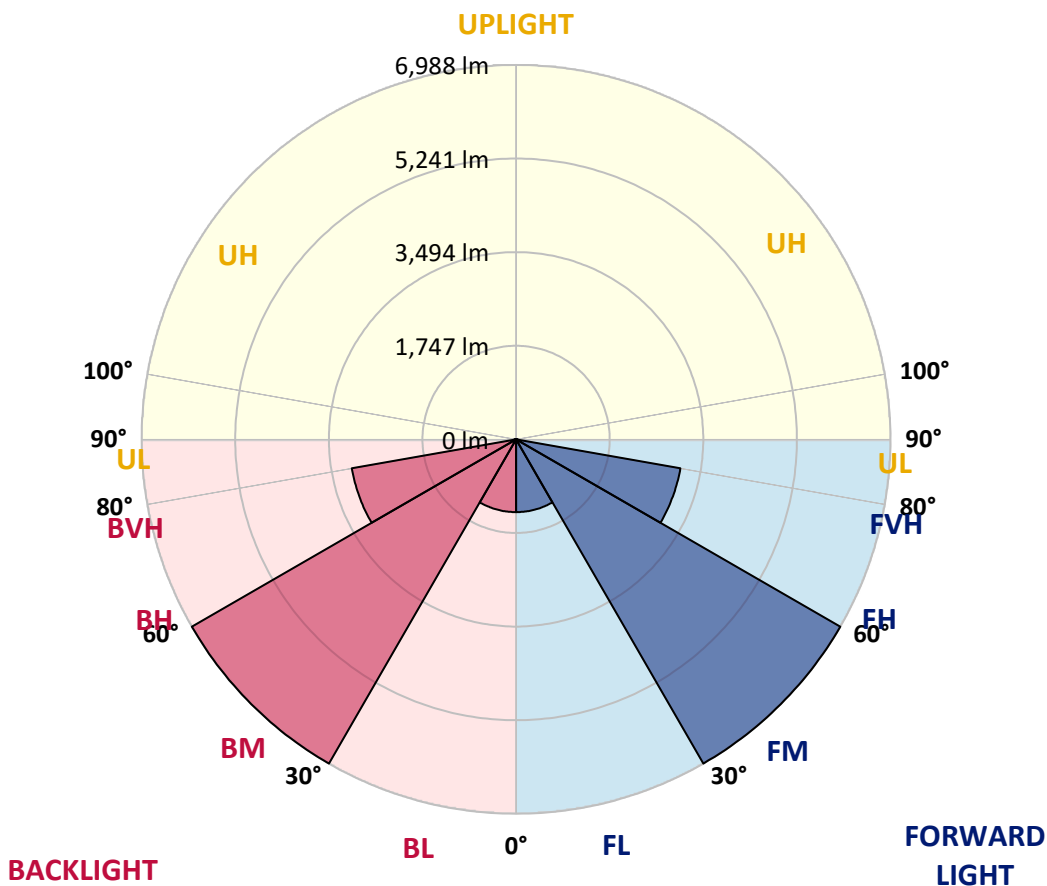
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1358.4	5.9			
FM (30°-60°)	6988.2	30.4			
FH (60°-80°)	3114.1	13.5			G2/5000
FVH (80°-90°)	32.1	0.1			G1/100
BL (0°-30°)	1358.4	5.9	B3/2500		
BM (30°-60°)	6988.2	30.4	B4/8500		
BH (60°-80°)	3114.1	13.5	B4/5000		G2/5000
BVH (80°-90°)	32.1	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2681.6	2681.6	2681.6	2681.6	2681.6	2681.6	2681.6	2681.6	2681.6	2681.6	2681.6
2.5°	2678.4	2678.4	2684.7	2689.5	2686.3	2698.9	2697.3	2694.2	2692.6	2687.9	2702.1
5°	2714.7	2714.7	2719.4	2724.1	2716.3	2732.0	2725.7	2722.6	2721.0	2714.7	2727.3
7.5°	2755.7	2760.4	2762.0	2769.9	2765.1	2782.5	2777.7	2771.4	2768.3	2760.4	2771.4
10°	2801.4	2804.5	2806.1	2820.3	2821.9	2842.4	2837.6	2829.8	2823.5	2815.6	2831.3
12.5°	2862.9	2864.4	2869.2	2886.5	2891.2	2907.0	2905.4	2894.4	2886.5	2875.5	2892.8
15°	2941.7	2943.3	2951.1	2968.5	2976.4	2995.3	2989.0	2971.6	2960.6	2948.0	2962.2
17.5°	3023.7	3030.0	3037.8	3055.2	3066.2	3088.3	3080.4	3061.5	3052.0	3039.4	3048.9
20°	3129.3	3130.9	3135.6	3154.5	3162.4	3187.6	3189.2	3170.3	3165.5	3152.9	3167.1
22.5°	3245.9	3247.5	3252.2	3272.7	3286.9	3302.7	3312.2	3301.1	3293.2	3277.5	3294.8
25°	3375.2	3391.0	3395.7	3420.9	3436.7	3446.2	3457.2	3452.5	3441.4	3422.5	3430.4
27.5°	3556.5	3559.7	3567.5	3595.9	3605.4	3614.8	3625.9	3627.4	3611.7	3589.6	3600.6
30°	3763.0	3761.4	3778.8	3800.9	3808.7	3816.6	3832.4	3841.8	3821.4	3797.7	3808.7
32.5°	3974.3	3993.2	4015.3	4035.8	4031.0	4034.2	4059.4	4076.7	4048.4	4005.8	4015.3
35°	4212.3	4224.9	4253.3	4283.3	4277.0	4272.2	4288.0	4305.3	4265.9	4210.7	4224.9
37.5°	4456.7	4475.6	4518.2	4554.4	4545.0	4522.9	4540.2	4559.1	4521.3	4458.2	4451.9
40°	4729.4	4759.4	4820.8	4850.8	4825.6	4783.0	4813.0	4858.7	4820.8	4748.3	4731.0
42.5°	5049.4	5085.7	5147.2	5192.9	5137.7	5068.3	5118.8	5185.0	5175.5	5079.4	5049.4
45°	5445.1	5468.8	5544.4	5566.5	5484.5	5388.4	5479.8	5580.7	5557.0	5453.0	5413.6
47.5°	5875.5	5911.7	5978.0	6018.9	5886.5	5766.7	5894.4	6030.0	6004.8	5907.0	5861.3
50°	6424.1	6471.4	6558.1	6592.8	6409.9	6272.8	6436.7	6608.5	6559.7	6428.8	6368.9
52.5°	7021.6	7059.4	7207.6	7277.0	7105.1	6956.9	7100.4	7269.1	7165.0	6991.6	6911.2
55°	7548.1	7586.0	7803.5	8033.7	8025.8	7923.3	7995.8	7999.0	7716.8	7429.9	7344.8
57.5°	7661.6	7699.5	8114.1	8716.3	9141.9	9260.2	9047.3	8599.6	7888.6	7385.7	7289.6
60°	7056.3	7098.8	7757.8	8858.2	10258.1	11047.9	10067.3	8587.0	7357.4	6676.3	6584.9
62.5°	5467.2	5512.9	6398.9	8051.0	10708.9	12837.2	10363.7	7683.7	6052.1	5189.7	5109.3
65°	2610.6	2610.6	3736.2	5774.6	9810.3	12794.6	9506.1	5684.7	3643.2	2798.2	2728.9
67.5°	646.4	649.5	961.6	2248.0	6673.2	10210.8	6782.0	2728.9	1283.2	908.0	884.4
70°	403.6	402.0	446.1	608.5	2334.7	6197.1	2773.0	822.9	521.8	460.3	457.2
72.5°	313.7	313.7	335.8	389.4	611.7	2110.9	808.7	457.2	378.4	340.5	340.5
75°	247.5	247.5	263.3	291.6	361.0	543.9	430.4	338.9	293.2	268.0	264.8
77.5°	184.4	187.6	200.2	219.1	245.9	305.8	272.7	255.4	228.6	209.7	203.4
80°	119.8	124.5	140.3	151.3	160.8	201.8	178.1	186.0	173.4	151.3	148.2
82.5°	64.6	66.2	85.1	88.3	91.4	110.4	113.5	118.2	123.0	96.2	89.9
85°	23.6	23.6	28.4	33.1	36.3	39.4	53.6	66.2	69.4	55.2	53.6
87.5°	4.7	4.7	4.7	3.2	3.2	3.2	9.5	17.3	28.4	22.1	22.1
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)