

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: P635872

Luminaire Tested: GWS-SA3E-760-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635872
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-SA3E-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20113.9 lumens
Efficiency: N/A
Efficacy: 126.3 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

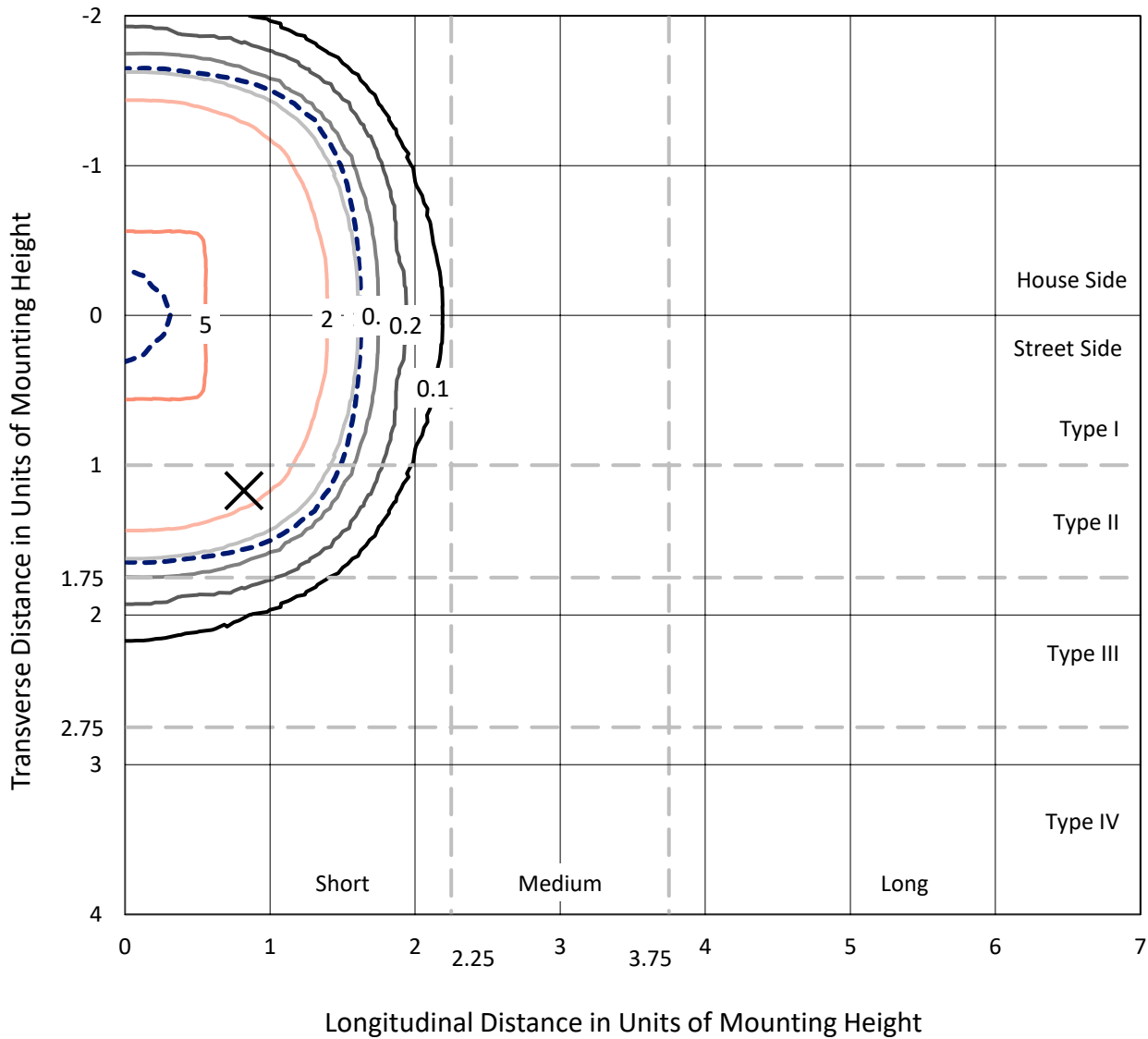
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

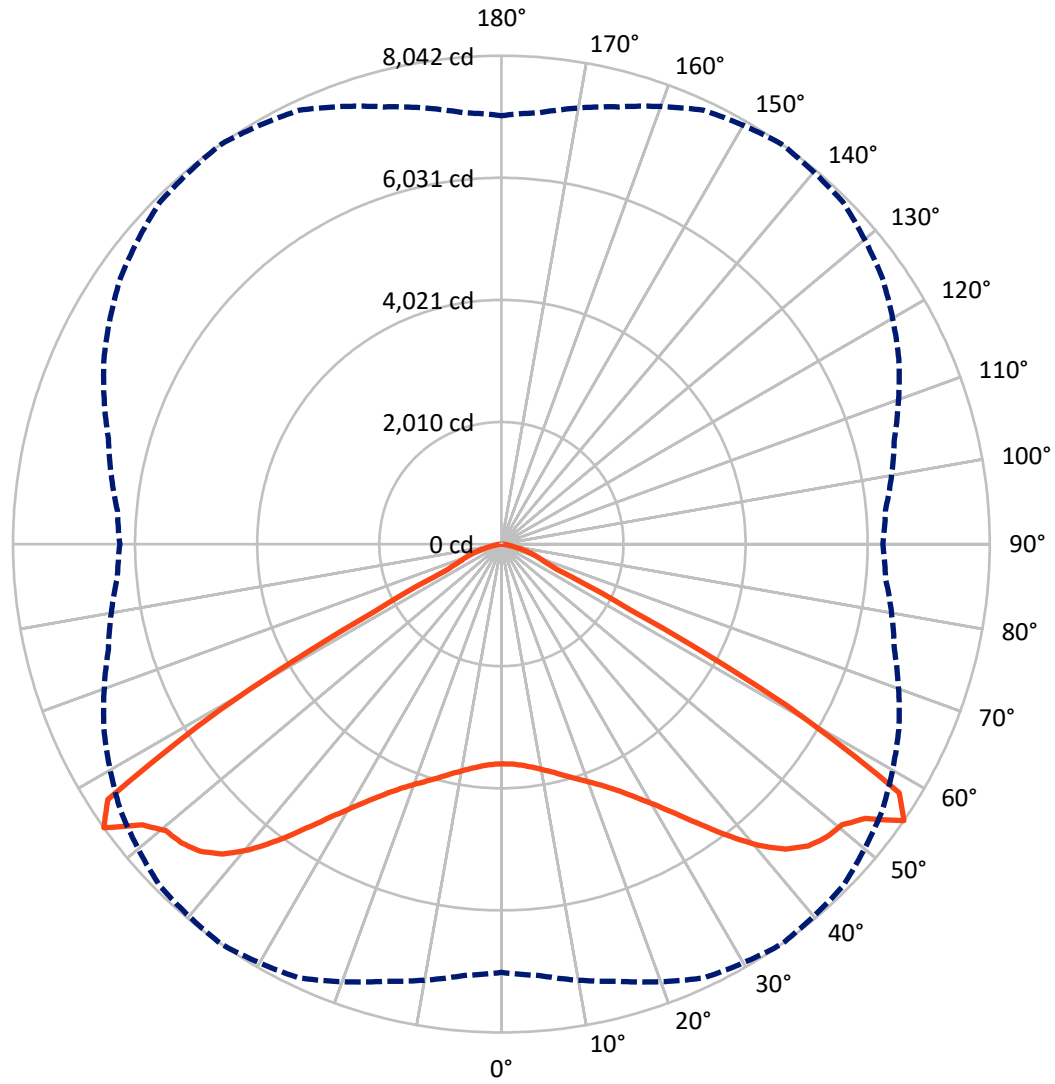
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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	10057.0	0.0	10057.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10057.0	0.0	10057.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20113.9	0.0	20113.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.9	1.8
10°-20°	1123.7	5.6
20°-30°	2079.7	10.3
30°-40°	3479.0	17.3
40°-50°	5301.4	26.4
50°-60°	5938.7	29.5
60°-70°	1405.1	7.0
70°-80°	378.8	1.9
80°-90°	54.5	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°	20113.9	100.0
0°-180°	20113.9	100.0

Coefficient of Utilization



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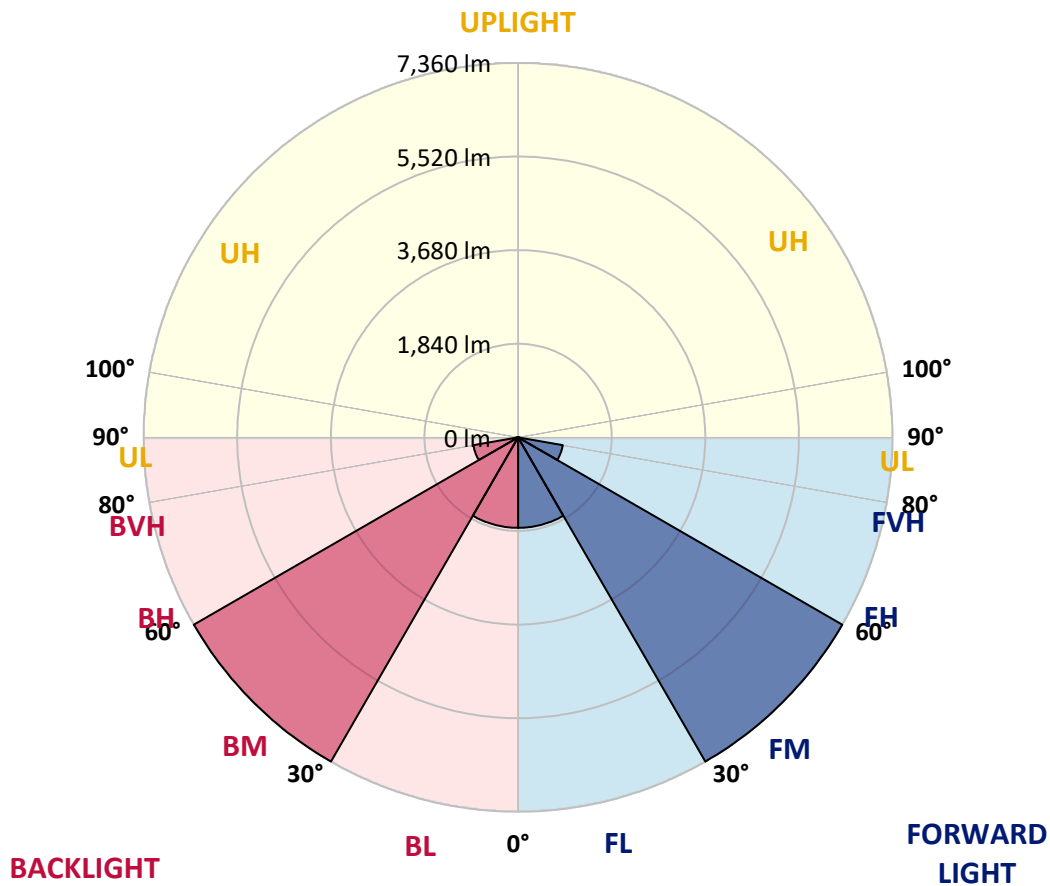
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1778.2	8.8			
FM (30°-60°)	7359.5	36.6			
FH (60°-80°)	892.0	4.4			G1/1800
FVH (80°-90°)	27.3	0.1			G1/100
BL (0°-30°)	1778.2	8.8	B3/2500		
BM (30°-60°)	7359.5	36.6	B4/8500		
BH (60°-80°)	892.0	4.4	B2/1000		G1/1800
BVH (80°-90°)	27.3	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°	3618.5	3618.5	3618.5	3618.5	3618.5	3618.5	3618.5	3618.5	3618.5	3618.5	3618.5
2.5°	3610.6	3610.6	3617.0	3624.9	3626.5	3642.4	3639.2	3632.9	3629.7	3623.3	3637.6
5°	3650.4	3651.9	3656.7	3661.5	3658.3	3671.0	3666.3	3658.3	3653.5	3645.6	3659.9
7.5°	3702.8	3702.8	3707.6	3714.0	3710.8	3729.9	3720.3	3709.2	3701.3	3691.7	3704.4
10°	3750.6	3753.7	3758.5	3771.2	3777.6	3798.3	3791.9	3776.0	3763.3	3752.2	3766.5
12.5°	3822.1	3825.3	3830.1	3847.6	3858.7	3879.4	3869.9	3847.6	3828.5	3812.6	3828.5
15°	3914.4	3911.2	3923.9	3946.2	3960.5	3979.6	3968.5	3930.3	3904.8	3884.2	3900.1
17.5°	4008.2	4006.6	4019.4	4048.0	4068.7	4094.1	4075.0	4030.5	4003.5	3978.0	3993.9
20°	4110.0	4114.8	4127.5	4154.6	4184.8	4218.2	4202.3	4154.6	4124.3	4095.7	4108.4
22.5°	4235.7	4237.3	4251.6	4286.6	4326.3	4358.2	4348.6	4289.8	4251.6	4221.4	4237.3
25°	4386.8	4385.2	4404.3	4445.6	4501.3	4533.1	4512.4	4447.2	4405.9	4370.9	4383.6
27.5°	4560.2	4558.6	4587.2	4641.3	4720.8	4765.3	4722.4	4641.3	4584.0	4534.7	4545.8
30°	4778.1	4773.3	4805.1	4878.3	4981.7	5056.4	4992.8	4879.9	4805.1	4752.6	4763.8
32.5°	5019.8	5026.2	5066.0	5164.6	5295.0	5392.0	5296.6	5170.9	5070.7	4994.4	5007.1
35°	5285.5	5285.5	5366.6	5489.1	5675.2	5804.0	5656.1	5474.7	5341.1	5236.2	5239.3
37.5°	5581.3	5584.5	5691.1	5859.7	6103.0	6254.1	6053.7	5829.4	5667.2	5554.3	5547.9
40°	5942.4	5951.9	6061.7	6249.3	6522.9	6661.3	6446.6	6227.1	6061.7	5928.1	5915.3
42.5°	6349.6	6352.7	6468.8	6637.4	6868.1	6950.8	6782.2	6602.5	6467.3	6346.4	6333.6
45°	6737.7	6729.7	6829.9	6955.6	7089.2	7097.1	7003.3	6930.1	6812.4	6709.0	6689.9
47.5°	7039.9	7033.5	7124.2	7192.6	7208.5	7130.5	7160.7	7171.9	7035.1	6895.1	6858.5
50°	7224.4	7237.1	7323.0	7361.2	7267.3	7140.1	7254.6	7226.0	7030.3	6847.4	6788.5
52.5°	7335.7	7354.8	7504.3	7601.3	7504.3	7383.4	7399.3	7230.7	6949.2	6707.4	6631.1
55°	7054.2	7130.5	7453.4	7882.9	8041.9	7957.6	7655.4	7221.2	6699.5	6348.0	6282.7
57.5°	5228.2	5349.1	5827.8	6758.3	7725.4	8032.4	7149.6	6053.7	5263.2	4811.5	4773.3
60°	2669.0	2804.2	3187.5	4143.4	5387.3	5819.9	4980.1	3876.2	3080.9	2715.1	2673.7
62.5°	1089.5	1111.8	1237.5	1606.5	2381.1	2746.9	2412.9	1694.0	1272.5	1172.2	1173.8
65°	857.3	862.1	855.7	878.0	997.3	1107.0	1022.7	898.7	876.4	887.5	879.6
67.5°	747.6	749.2	744.4	744.4	749.2	744.4	753.9	758.7	761.9	774.6	766.7
70°	625.1	626.7	626.7	629.9	628.3	620.3	634.6	641.0	642.6	650.5	645.8
72.5°	483.5	488.3	491.5	493.1	491.5	486.7	494.7	505.8	504.2	512.2	504.2
75°	327.7	334.0	337.2	343.6	342.0	342.0	351.5	356.3	351.5	357.9	351.5
77.5°	186.1	190.9	200.4	206.8	213.1	217.9	224.3	227.5	225.9	229.0	225.9
80°	108.2	109.7	117.7	120.9	128.8	136.8	143.2	146.3	147.9	149.5	147.9
82.5°	62.0	63.6	66.8	70.0	76.3	82.7	89.1	93.8	93.8	95.4	93.8
85°	30.2	30.2	31.8	33.4	36.6	41.4	46.1	50.9	52.5	52.5	52.5
87.5°	4.8	4.8	6.4	6.4	8.0	9.5	12.7	15.9	17.5	17.5	17.5
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)