

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: P638293

Luminaire Tested: GWS-SA4E-750-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P638293
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-SA4E-750-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32718.8 lumens
Efficiency: N/A
Efficacy: 161.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

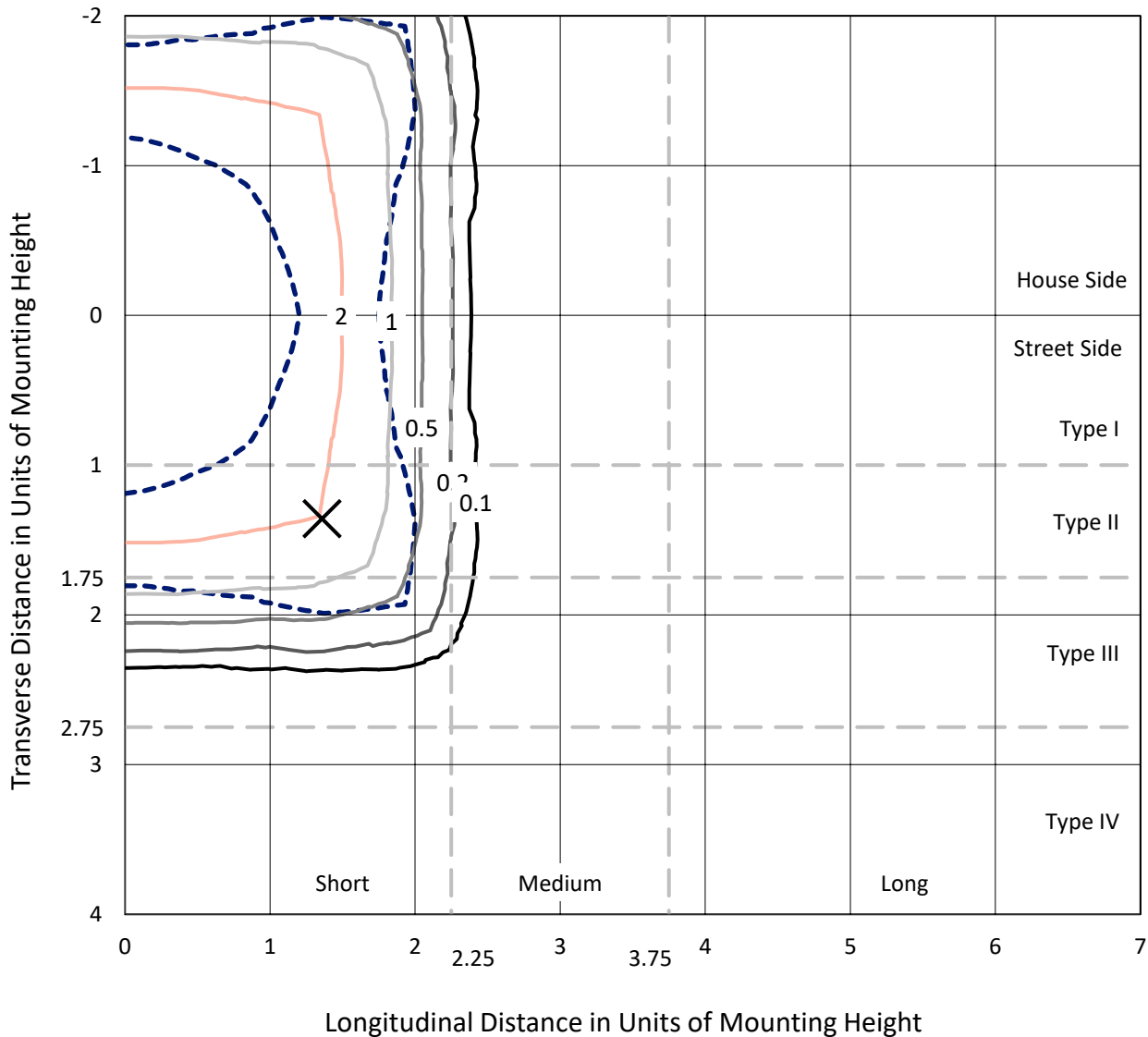
Input Watts (W): 202.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P638293
 CATALOG NUMBER: GWS-SA4E-750-U-5NQ-W

Iso-Footcandle Lines of Horizontal Illumination

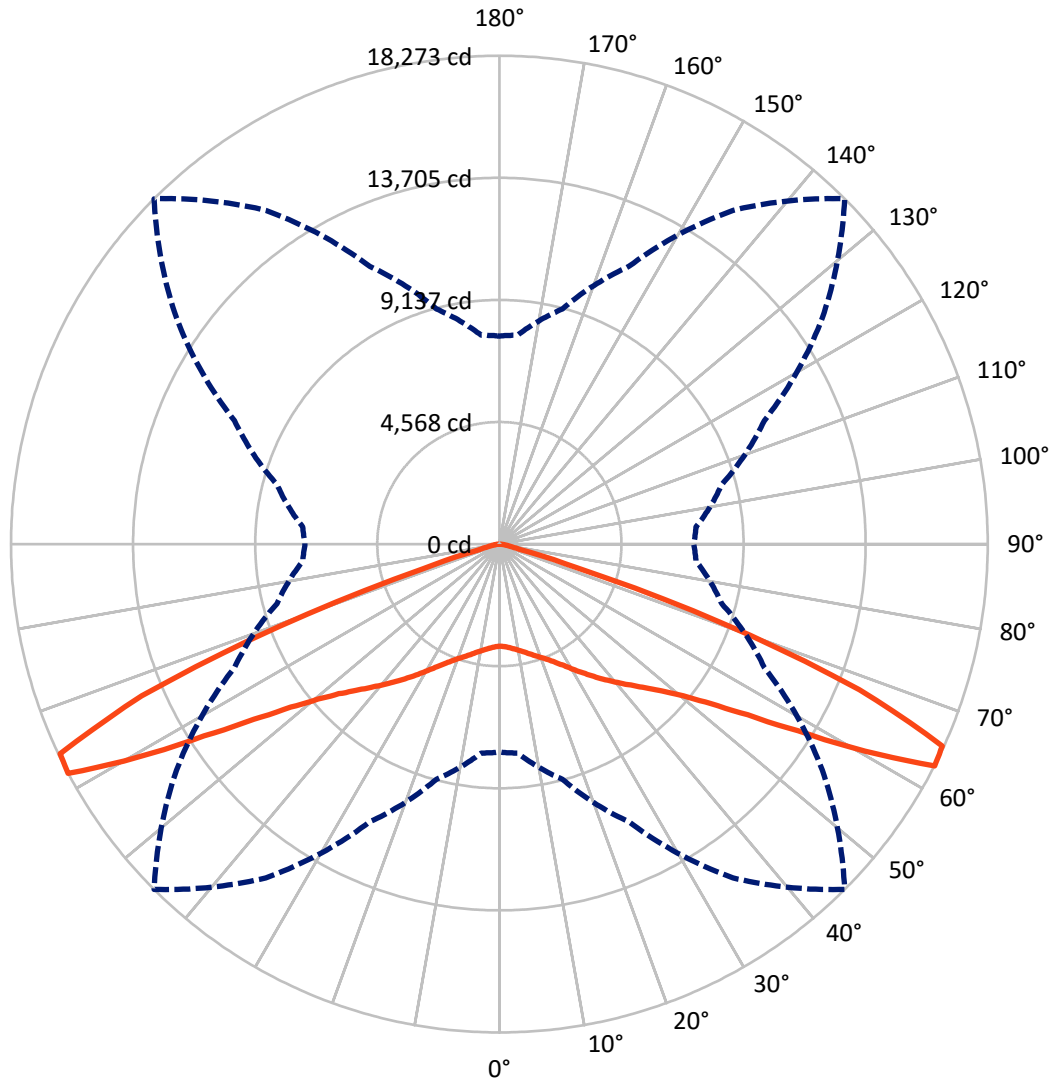
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - N/A

REPORT NUMBER: P638293
CATALOG NUMBER: GWS-SA4E-750-U-5NQ-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P638293

CATALOG NUMBER: GWS-SA4E-750-U-5NQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16359.4	0.0	16359.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16359.4	0.0	16359.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	32718.8	0.0	32718.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	374.5	1.1
10°-20°	1207.7	3.7
20°-30°	2284.9	7.0
30°-40°	3845.8	11.8
40°-50°	6144.4	18.8
50°-60°	9904.5	30.3
60°-70°	8081.0	24.7
70°-80°	784.7	2.4
80°-90°	91.3	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°	32718.8	100.0
0°-180°	32718.8	100.0

Coefficient of Utilization



REPORT NUMBER: P638293

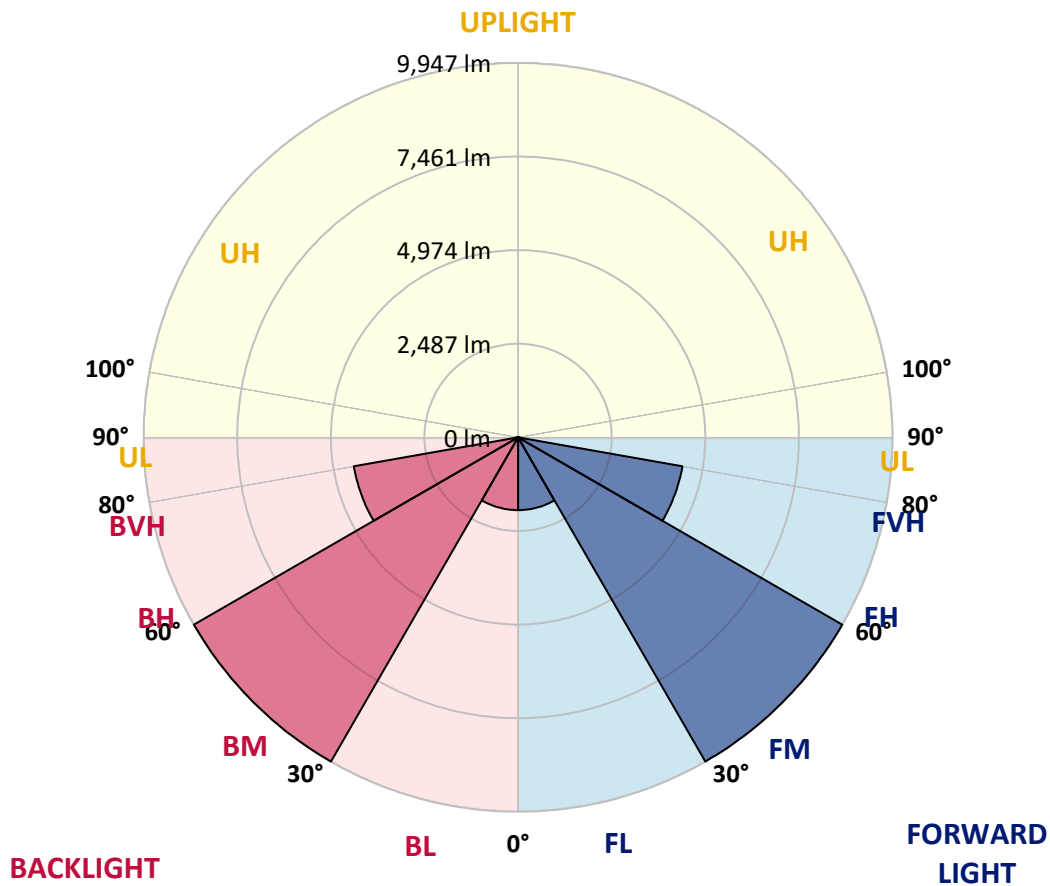
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1933.6	5.9			
FM (30°-60°)	9947.4	30.4			
FH (60°-80°)	4432.8	13.5			G2/5000
FVH (80°-90°)	45.7	0.1			G1/100
BL (0°-30°)	1933.6	5.9	B3/2500		
BM (30°-60°)	9947.4	30.4	B5		
BH (60°-80°)	4432.8	13.5	B4/5000		G2/5000
BVH (80°-90°)	45.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3817.1	3817.1	3817.1	3817.1	3817.1	3817.1	3817.1	3817.1	3817.1	3817.1	3817.1
2.5°	3812.6	3812.6	3821.6	3828.3	3823.8	3841.8	3839.5	3835.0	3832.8	3826.1	3846.3
5°	3864.2	3864.2	3870.9	3877.7	3866.5	3888.9	3879.9	3875.4	3873.2	3864.2	3882.2
7.5°	3922.6	3929.3	3931.5	3942.8	3936.0	3960.7	3954.0	3945.0	3940.5	3929.3	3945.0
10°	3987.6	3992.1	3994.4	4014.6	4016.8	4046.0	4039.2	4028.0	4019.1	4007.8	4030.3
12.5°	4075.2	4077.4	4084.1	4108.8	4115.5	4138.0	4135.7	4120.0	4108.8	4093.1	4117.8
15°	4187.4	4189.6	4200.8	4225.5	4236.7	4263.7	4254.7	4230.0	4214.3	4196.3	4216.5
17.5°	4304.0	4313.0	4324.2	4348.9	4364.6	4396.0	4384.8	4357.9	4344.4	4326.5	4339.9
20°	4454.4	4456.6	4463.4	4490.3	4501.5	4537.4	4539.7	4512.7	4506.0	4488.1	4508.2
22.5°	4620.5	4622.7	4629.4	4658.6	4678.8	4701.2	4714.7	4699.0	4687.8	4665.3	4690.0
25°	4804.5	4826.9	4833.6	4869.5	4892.0	4905.4	4921.2	4914.4	4898.7	4871.8	4883.0
27.5°	5062.5	5067.0	5078.2	5118.6	5132.1	5145.6	5161.3	5163.5	5141.1	5109.6	5125.4
30°	5356.5	5354.2	5378.9	5410.3	5421.6	5432.8	5455.2	5468.7	5439.5	5405.9	5421.6
32.5°	5657.2	5684.1	5715.5	5744.7	5738.0	5742.5	5778.4	5803.1	5762.7	5702.1	5715.5
35°	5996.0	6014.0	6054.4	6097.0	6088.0	6081.3	6103.8	6128.4	6072.3	5993.8	6014.0
37.5°	6343.9	6370.8	6431.4	6483.0	6469.5	6438.1	6462.8	6489.7	6435.9	6346.1	6337.1
40°	6732.1	6774.7	6862.2	6904.9	6869.0	6808.4	6851.0	6916.1	6862.2	6759.0	6734.3
42.5°	7187.6	7239.2	7326.7	7391.8	7313.3	7214.5	7286.4	7380.6	7367.1	7230.3	7187.6
45°	7750.9	7784.5	7892.2	7923.7	7807.0	7670.1	7800.2	7943.9	7910.2	7762.1	7706.0
47.5°	8363.5	8415.1	8509.3	8567.7	8379.2	8208.6	8390.4	8583.4	8547.5	8408.4	8343.3
50°	9144.4	9211.7	9335.2	9384.5	9124.2	8929.0	9162.4	9407.0	9337.4	9151.1	9065.9
52.5°	9994.9	10048.8	10259.7	10358.4	10113.8	9902.9	10107.1	10347.2	10199.1	9952.3	9837.8
55°	10744.4	10798.3	11107.9	11435.6	11424.3	11278.5	11381.7	11386.2	10984.5	10576.1	10454.9
57.5°	10906.0	10959.8	11550.0	12407.2	13013.1	13181.4	12878.5	12241.2	11229.1	10513.3	10376.4
60°	10044.3	10104.9	11042.9	12609.2	14601.9	15726.1	14330.4	12223.2	10472.9	9503.5	9373.3
62.5°	7782.3	7847.4	9108.5	11460.2	15243.7	18273.1	14752.2	10937.4	8614.8	7387.3	7272.9
65°	3716.1	3716.1	5318.3	8219.9	13964.6	18212.5	13531.5	8092.0	5185.9	3983.1	3884.4
67.5°	920.1	924.5	1368.9	3200.0	9499.0	14534.6	9653.8	3884.4	1826.6	1292.6	1258.9
70°	574.5	572.2	635.1	866.2	3323.4	8821.3	3947.2	1171.4	742.8	655.3	650.8
72.5°	446.6	446.6	478.0	554.3	870.7	3004.8	1151.2	650.8	538.6	484.7	484.7
75°	352.3	352.3	374.8	415.1	513.9	774.2	612.6	482.5	417.4	381.5	377.0
77.5°	262.6	267.0	285.0	311.9	350.1	435.3	388.2	363.5	325.4	298.5	289.5
80°	170.5	177.3	199.7	215.4	228.9	287.2	253.6	264.8	246.8	215.4	210.9
82.5°	92.0	94.2	121.2	125.7	130.2	157.1	161.6	168.3	175.0	136.9	127.9
85°	33.7	33.7	40.4	47.1	51.6	56.1	76.3	94.2	98.7	78.5	76.3
87.5°	6.7	6.7	6.7	4.5	4.5	4.5	13.5	24.7	40.4	31.4	31.4
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)