

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: P640931

Luminaire Tested: GWS-SA5E-830-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640931
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5E-830-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20985.1 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

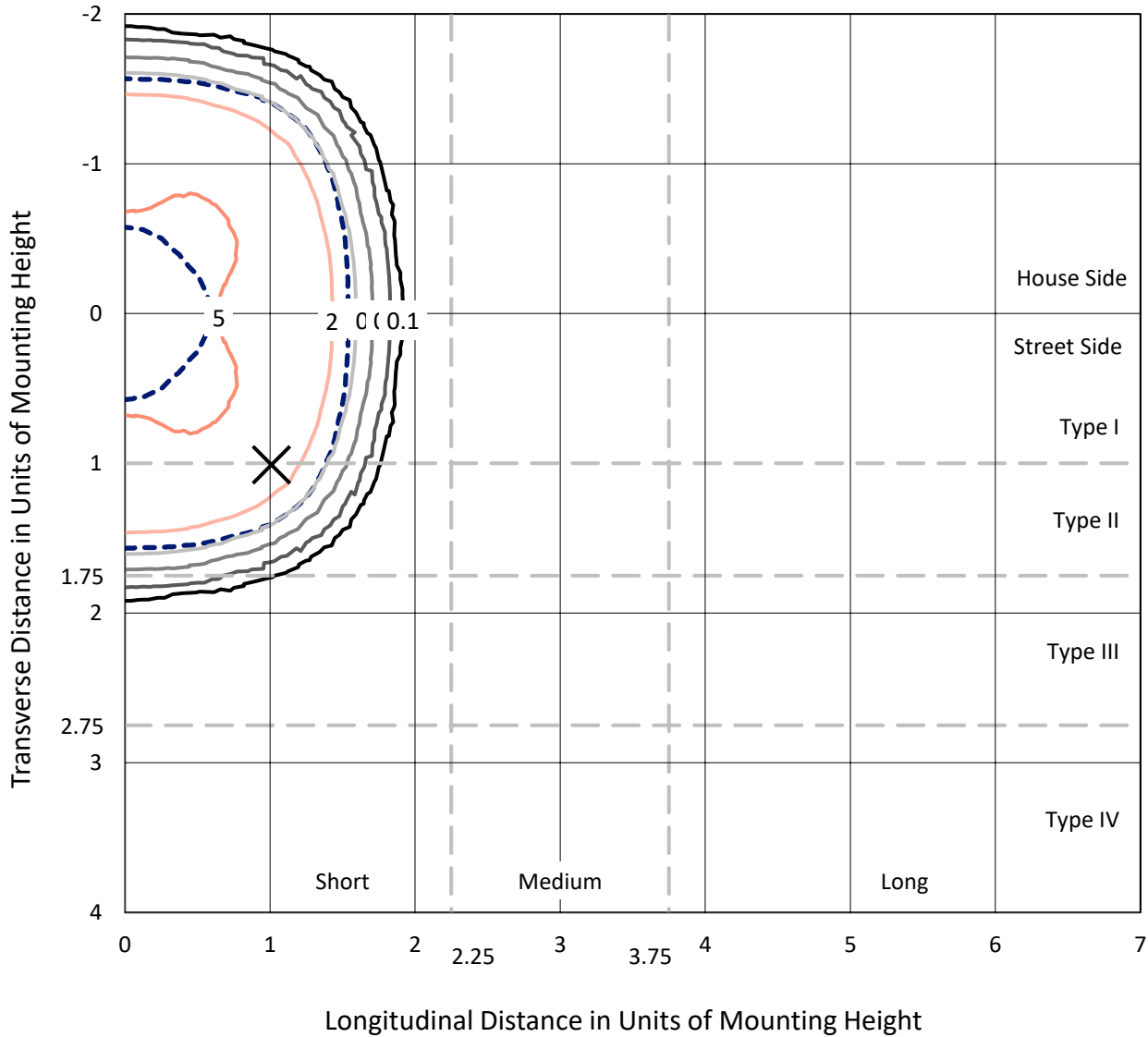
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

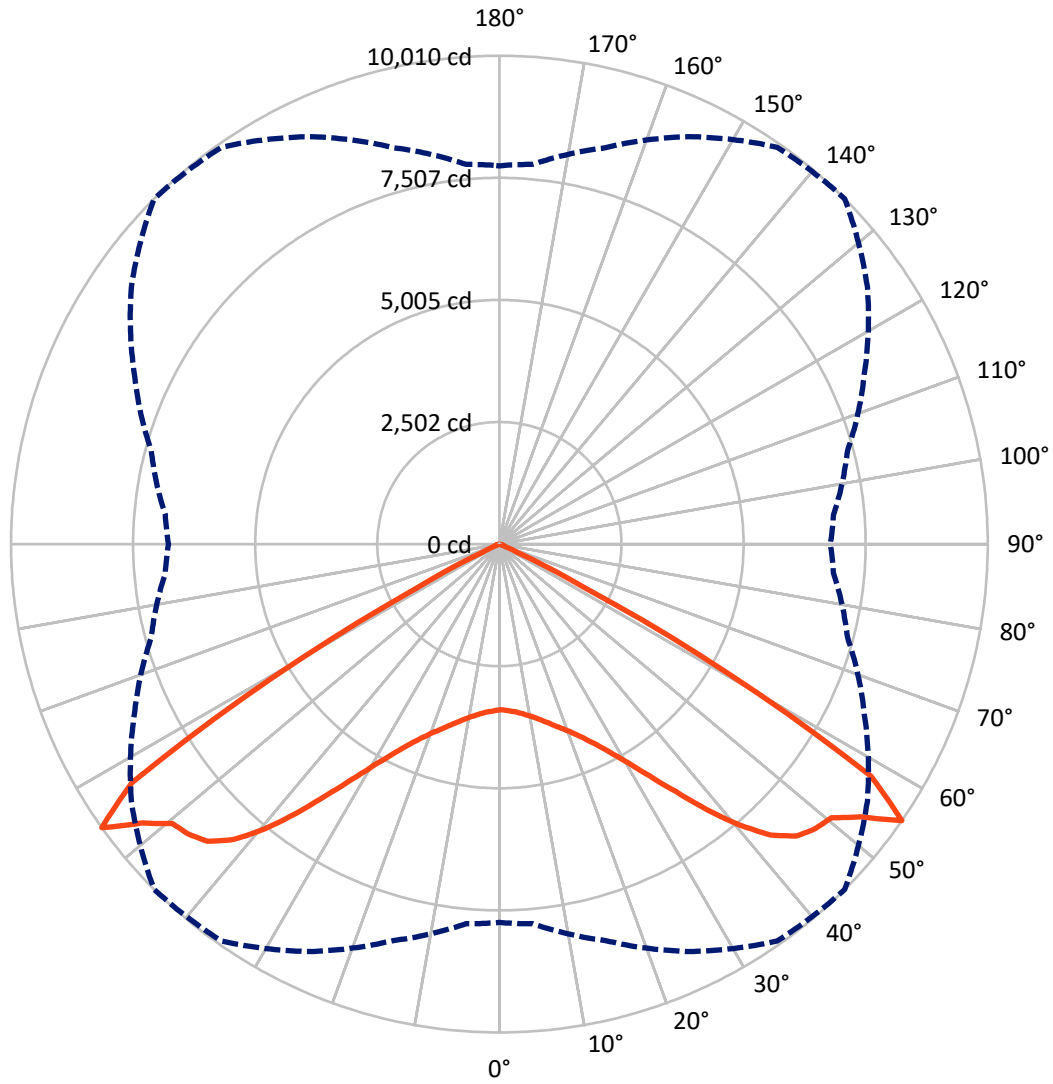
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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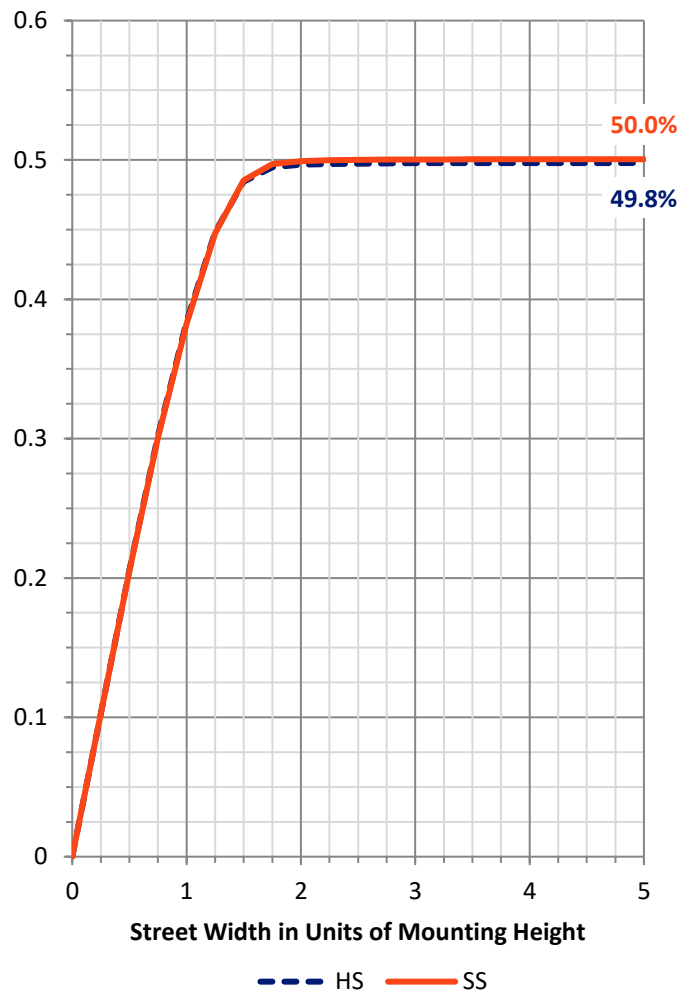
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10492.5	0.0	10492.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10492.5	0.0	10492.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	20985.1	0.0	20985.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.4	1.6
10°-20°	1077.6	5.1
20°-30°	2086.9	9.9
30°-40°	3738.8	17.8
40°-50°	6268.3	29.9
50°-60°	6709.9	32.0
60°-70°	737.3	3.5
70°-80°	32.5	0.2
80°-90°	1.5	0.0
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°	20985.1	100.0
0°-180°	20985.1	100.0

Coefficient of Utilization



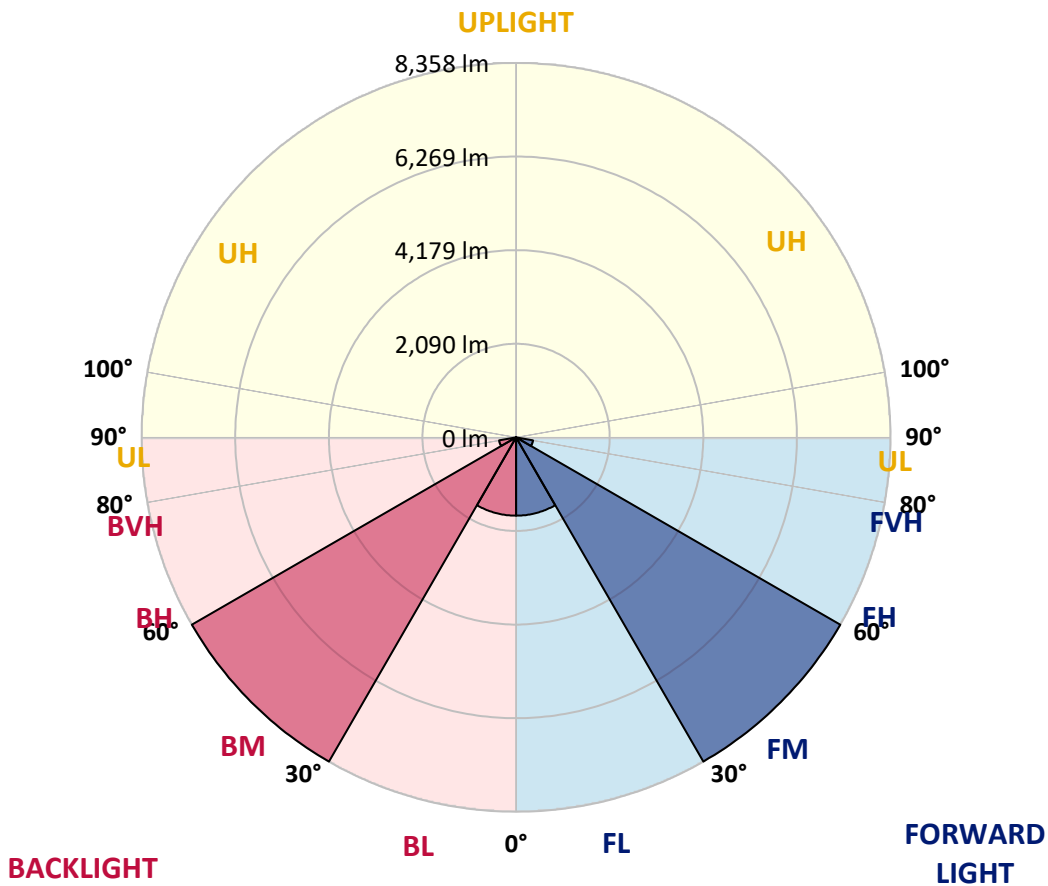
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1748.4	8.3			
FM (30°-60°)	8358.5	39.8			
FH (60°-80°)	384.9	1.8			G0/660
FVH (80°-90°)	0.7	0.0			G0/10
BL (0°-30°)	1748.4	8.3	B3/2500		
BM (30°-60°)	8358.5	39.8	B4/8500		
BH (60°-80°)	384.9	1.8	B1/500		G0/660
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3392.9	3392.9	3392.9	3392.9	3392.9	3392.9	3392.9	3392.9	3392.9	3392.9	3392.9
2.5°	3386.5	3386.5	3395.0	3401.4	3401.4	3418.5	3412.1	3405.7	3405.7	3397.2	3414.3
5°	3435.6	3433.5	3442.1	3446.3	3437.8	3454.9	3444.2	3437.8	3433.5	3425.0	3442.1
7.5°	3489.1	3491.2	3493.4	3501.9	3497.6	3514.7	3506.2	3493.4	3489.1	3476.3	3493.4
10°	3553.2	3553.2	3557.5	3568.2	3570.3	3591.7	3583.2	3568.2	3555.4	3542.5	3559.6
12.5°	3634.5	3636.6	3643.0	3658.0	3666.5	3690.1	3677.2	3647.3	3628.1	3613.1	3632.3
15°	3752.1	3749.9	3758.5	3779.9	3790.5	3807.6	3788.4	3747.8	3724.3	3707.2	3720.0
17.5°	3880.3	3880.3	3884.6	3906.0	3921.0	3946.6	3923.1	3873.9	3852.5	3829.0	3841.9
20°	4021.4	4027.8	4032.1	4047.1	4072.7	4098.4	4079.2	4030.0	4006.5	3976.5	3991.5
22.5°	4207.4	4201.0	4203.2	4228.8	4265.2	4290.8	4275.8	4218.1	4177.5	4154.0	4162.5
25°	4414.8	4412.7	4419.1	4457.6	4498.2	4526.0	4504.6	4429.8	4389.2	4348.5	4365.6
27.5°	4669.2	4671.4	4675.6	4722.7	4786.8	4827.4	4774.0	4699.2	4643.6	4590.1	4603.0
30°	4970.7	4966.4	4979.2	5043.4	5137.4	5201.6	5139.6	5034.8	4955.7	4904.4	4910.8
32.5°	5291.4	5295.6	5329.8	5432.5	5556.5	5669.8	5543.6	5404.7	5302.1	5205.8	5218.7
35°	5637.7	5648.4	5725.4	5877.2	6080.3	6232.0	6056.7	5828.0	5682.6	5558.6	5562.9
37.5°	6046.1	6071.7	6178.6	6405.2	6696.0	6899.1	6642.5	6338.9	6150.8	5996.9	5986.2
40°	6582.7	6612.6	6758.0	7027.4	7380.1	7566.1	7268.9	6956.8	6723.8	6557.0	6531.4
42.5°	7198.4	7236.9	7395.1	7670.9	8023.6	8149.8	7859.0	7596.0	7386.5	7189.8	7181.3
45°	7893.2	7914.6	8042.9	8254.5	8508.9	8538.9	8320.8	8175.4	7963.8	7779.9	7764.9
47.5°	8545.3	8566.7	8654.3	8763.4	8823.2	8716.3	8677.8	8613.7	8340.0	8113.4	8066.4
50°	9041.3	9058.4	9167.4	9210.2	9043.4	8816.8	8891.6	8754.8	8457.6	8203.2	8130.5
52.5°	9007.1	9049.8	9329.9	9573.6	9468.9	9285.0	9084.0	8789.0	8327.2	7978.7	7888.9
55°	7754.3	7812.0	8412.7	9214.5	9930.7	10009.8	9205.9	8254.5	7386.5	6875.6	6783.6
57.5°	4983.5	4998.5	5731.8	6856.3	8470.5	8979.3	7634.5	6223.5	5143.8	4581.6	4543.1
60°	1832.2	1802.3	2356.0	3288.1	4878.7	5417.5	4493.9	3147.0	2244.8	1847.2	1815.1
62.5°	440.4	444.7	551.6	827.4	1530.8	1894.2	1496.5	835.9	532.3	446.8	442.6
65°	222.3	218.1	220.2	237.3	327.1	391.2	320.7	226.6	218.1	220.2	218.1
67.5°	143.2	141.1	145.4	147.5	145.4	136.8	134.7	139.0	139.0	141.1	136.8
70°	87.7	85.5	89.8	96.2	91.9	81.2	85.5	89.8	85.5	83.4	83.4
72.5°	47.0	47.0	51.3	55.6	51.3	47.0	47.0	49.2	47.0	47.0	47.0
75°	21.4	21.4	23.5	25.7	21.4	21.4	21.4	21.4	21.4	21.4	21.4
77.5°	6.4	6.4	8.6	8.6	6.4	6.4	6.4	6.4	8.6	8.6	8.6
80°	2.1	4.3	4.3	2.1	2.1	2.1	2.1	2.1	4.3	4.3	4.3
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
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)