

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: P643406

Luminaire Tested: GWS-SA6E-830-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643406
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-SAGE-830-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25023.2 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

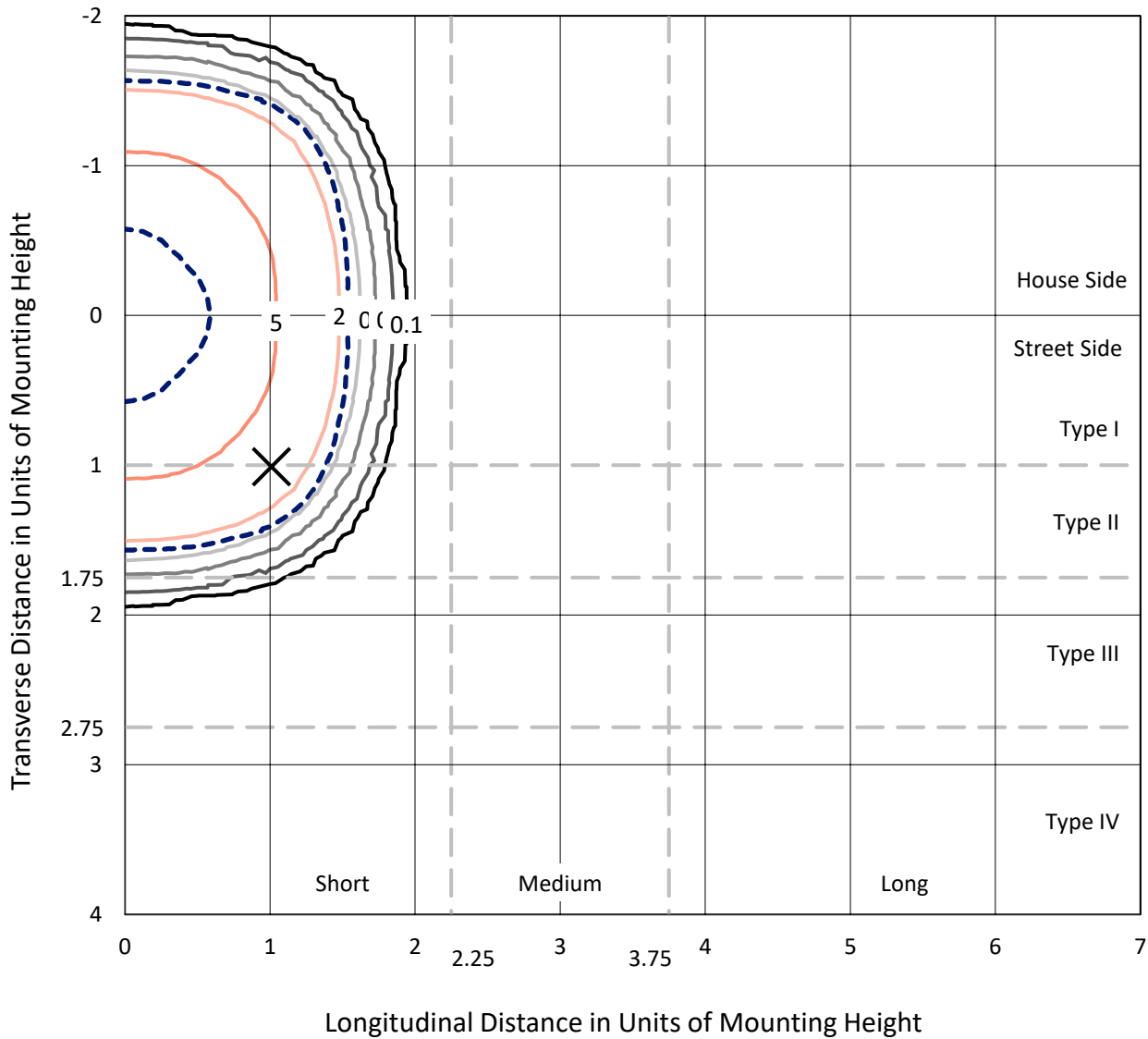
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

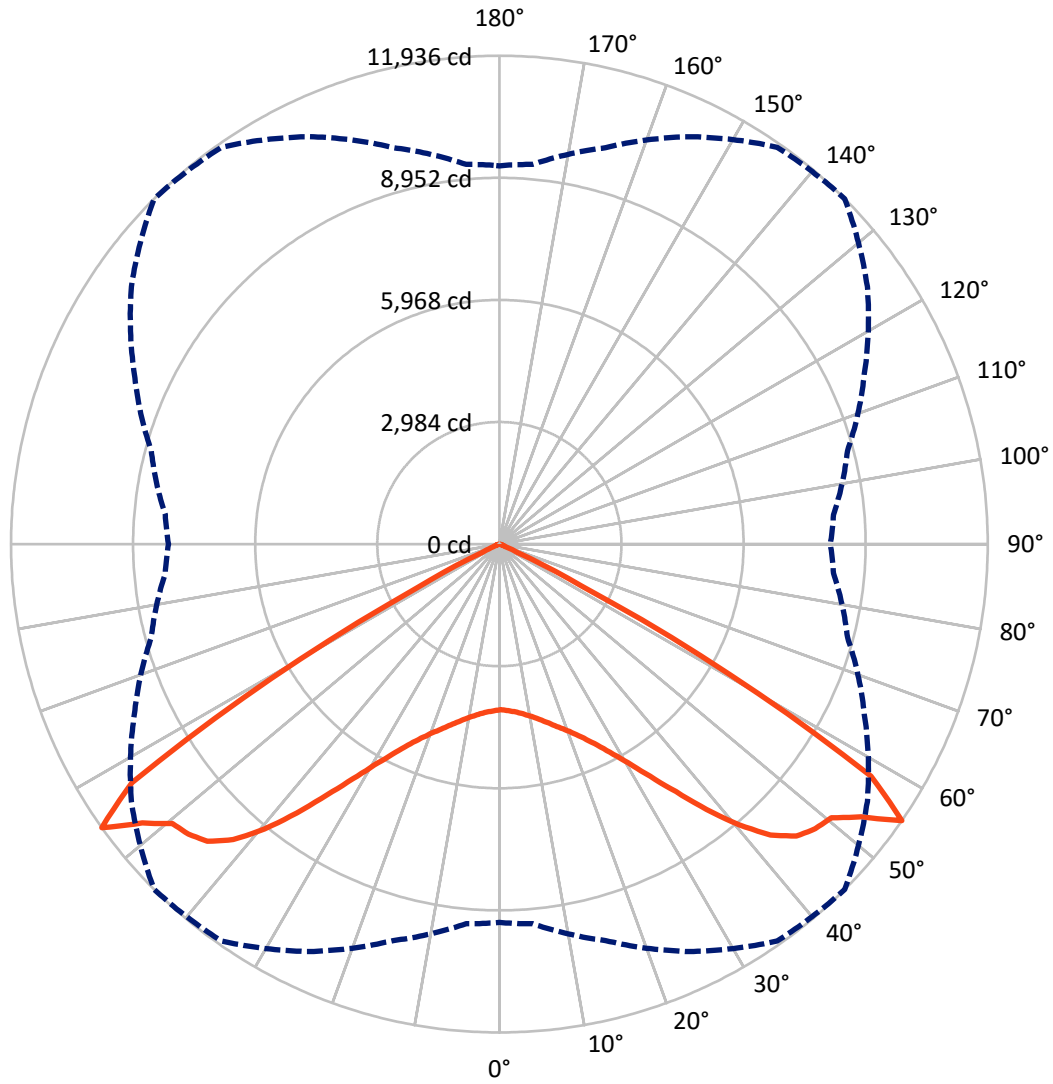
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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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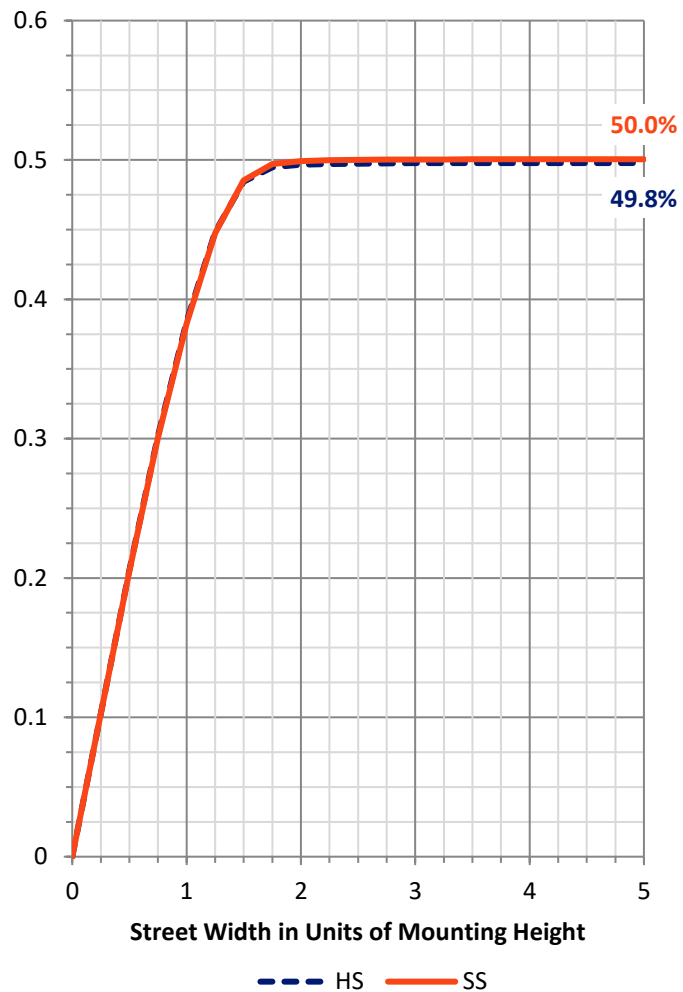
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12511.6	0.0	12511.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12511.6	0.0	12511.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	25023.2	0.0	25023.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	396.4	1.6
10°-20°	1284.9	5.1
20°-30°	2488.5	9.9
30°-40°	4458.2	17.8
40°-50°	7474.5	29.9
50°-60°	8001.1	32.0
60°-70°	879.2	3.5
70°-80°	38.7	0.2
80°-90°	1.8	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°	25023.2	100.0
0°-180°	25023.2	100.0

Coefficient of Utilization



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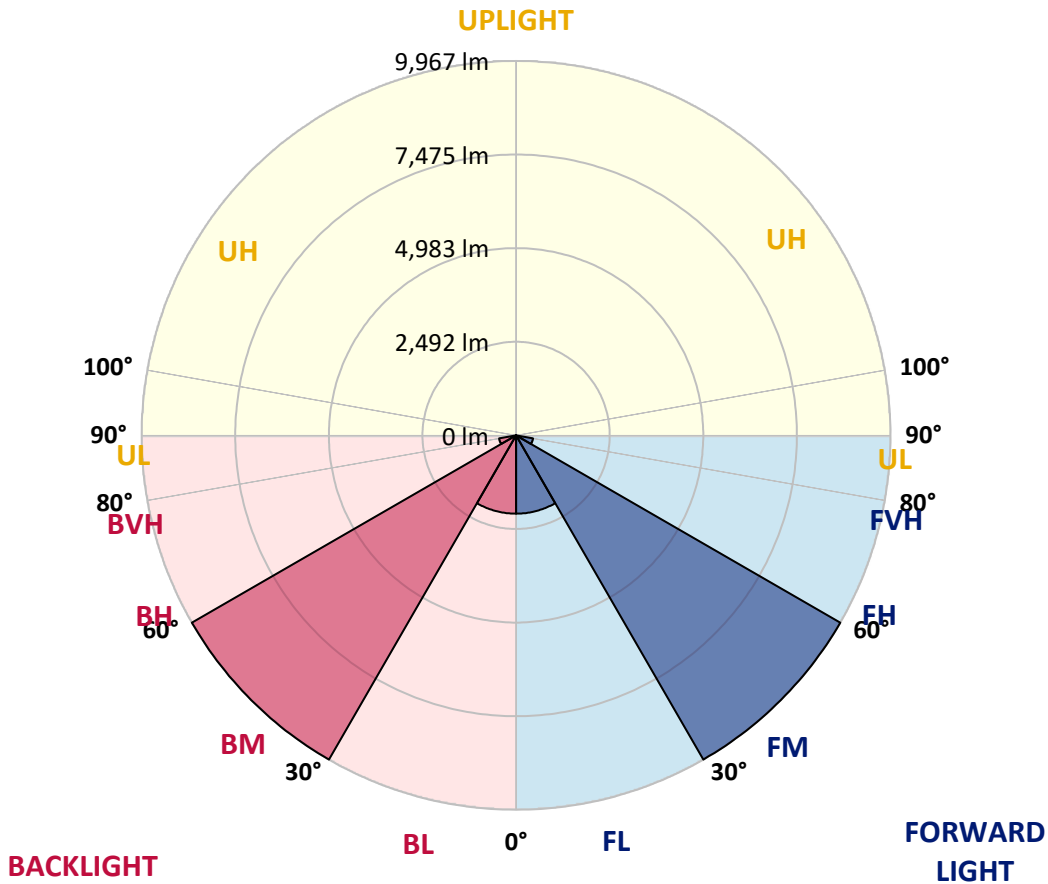
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2084.9	8.3			
FM (30°-60°)	9966.9	39.8			
FH (60°-80°)	459.0	1.8			G0/660
FVH (80°-90°)	0.9	0.0			G0/10
BL (0°-30°)	2084.9	8.3	B3/2500		
BM (30°-60°)	9966.9	39.8	B5		
BH (60°-80°)	459.0	1.8	B1/500		G0/660
BVH (80°-90°)	0.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4045.8	4045.8	4045.8	4045.8	4045.8	4045.8	4045.8	4045.8	4045.8	4045.8	4045.8
2.5°	4038.1	4038.1	4048.3	4056.0	4056.0	4076.4	4068.7	4061.1	4061.1	4050.9	4071.3
5°	4096.8	4094.2	4104.4	4109.5	4099.3	4119.7	4107.0	4099.3	4094.2	4084.0	4104.4
7.5°	4160.5	4163.0	4165.6	4175.8	4170.7	4191.1	4180.9	4165.6	4160.5	4145.2	4165.6
10°	4237.0	4237.0	4242.1	4254.8	4257.4	4282.9	4272.7	4254.8	4239.5	4224.2	4244.6
12.5°	4333.8	4336.4	4344.0	4361.9	4372.1	4400.1	4384.8	4349.1	4326.2	4308.3	4331.3
15°	4474.1	4471.5	4481.7	4507.2	4519.9	4540.3	4517.4	4469.0	4440.9	4420.5	4435.8
17.5°	4627.0	4627.0	4632.1	4657.6	4675.5	4706.0	4678.0	4619.4	4593.9	4565.8	4581.1
20°	4795.3	4802.9	4808.0	4825.9	4856.5	4887.0	4864.1	4805.5	4777.4	4741.7	4759.6
22.5°	5017.1	5009.4	5012.0	5042.6	5085.9	5116.5	5098.6	5029.8	4981.4	4953.3	4963.5
25°	5264.3	5261.8	5269.4	5315.3	5363.8	5396.9	5371.4	5282.2	5233.8	5185.3	5205.7
27.5°	5567.7	5570.3	5575.4	5631.4	5707.9	5756.4	5692.6	5603.4	5537.1	5473.4	5488.7
30°	5927.2	5922.1	5937.4	6013.8	6126.0	6202.5	6128.6	6003.6	5909.3	5848.1	5855.8
32.5°	6309.6	6314.7	6355.5	6477.8	6625.7	6760.8	6610.4	6444.7	6322.3	6207.6	6222.9
35°	6722.6	6735.3	6827.1	7008.1	7250.3	7431.3	7222.2	6949.4	6776.1	6628.2	6633.3
37.5°	7209.5	7240.1	7367.5	7637.8	7984.5	8226.7	7920.7	7558.7	7334.4	7150.8	7138.1
40°	7849.4	7885.0	8058.4	8379.6	8800.2	9022.0	8667.7	8295.5	8017.6	7818.8	7788.2
42.5°	8583.6	8629.4	8818.1	9147.0	9567.6	9718.0	9371.3	9057.7	8807.9	8573.4	8563.2
45°	9412.1	9437.6	9590.5	9842.9	10146.3	10182.0	9921.9	9748.6	9496.2	9277.0	9259.1
47.5°	10189.6	10215.1	10319.6	10449.7	10521.0	10393.6	10347.7	10271.2	9944.9	9674.7	9618.6
50°	10781.1	10801.5	10931.5	10982.5	10783.6	10513.4	10602.6	10439.5	10085.1	9781.7	9695.1
52.5°	10740.3	10791.3	11125.2	11415.9	11290.9	11071.7	10832.1	10480.3	9929.6	9514.1	9407.0
55°	9246.4	9315.2	10031.6	10987.6	11841.6	11935.9	10977.4	9842.9	8807.9	8198.6	8089.0
57.5°	5942.5	5960.3	6834.7	8175.7	10100.4	10707.1	9103.6	7421.1	6133.7	5463.2	5417.3
60°	2184.8	2149.1	2809.3	3920.9	5817.5	6460.0	5358.7	3752.6	2676.8	2202.6	2164.4
62.5°	525.2	530.3	657.7	986.6	1825.3	2258.7	1784.5	996.8	634.8	532.8	527.7
65°	265.1	260.0	262.6	283.0	390.0	466.5	382.4	270.2	260.0	262.6	260.0
67.5°	170.8	168.3	173.4	175.9	173.4	163.2	160.6	165.7	165.7	168.3	163.2
70°	104.5	102.0	107.1	114.7	109.6	96.9	102.0	107.1	102.0	99.4	99.4
72.5°	56.1	56.1	61.2	66.3	61.2	56.1	56.1	58.6	56.1	56.1	56.1
75°	25.5	25.5	28.0	30.6	25.5	25.5	25.5	25.5	25.5	25.5	25.5
77.5°	7.6	7.6	10.2	10.2	7.6	7.6	7.6	7.6	10.2	10.2	10.2
80°	2.5	5.1	5.1	2.5	2.5	2.5	2.5	2.5	5.1	5.1	5.1
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
85°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
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)