

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: P640932

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640932
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-SA5E-830-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27035.2 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

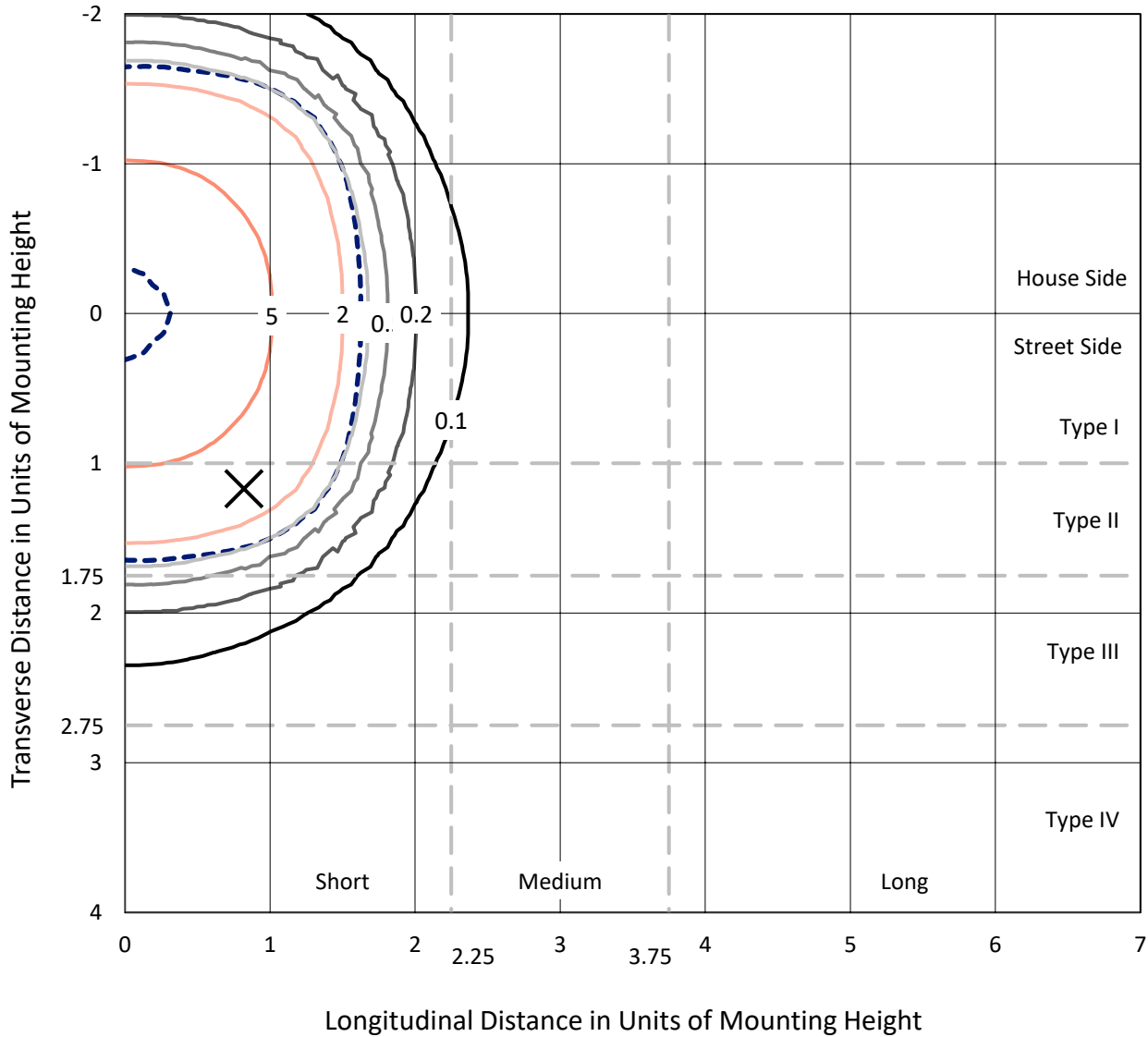
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

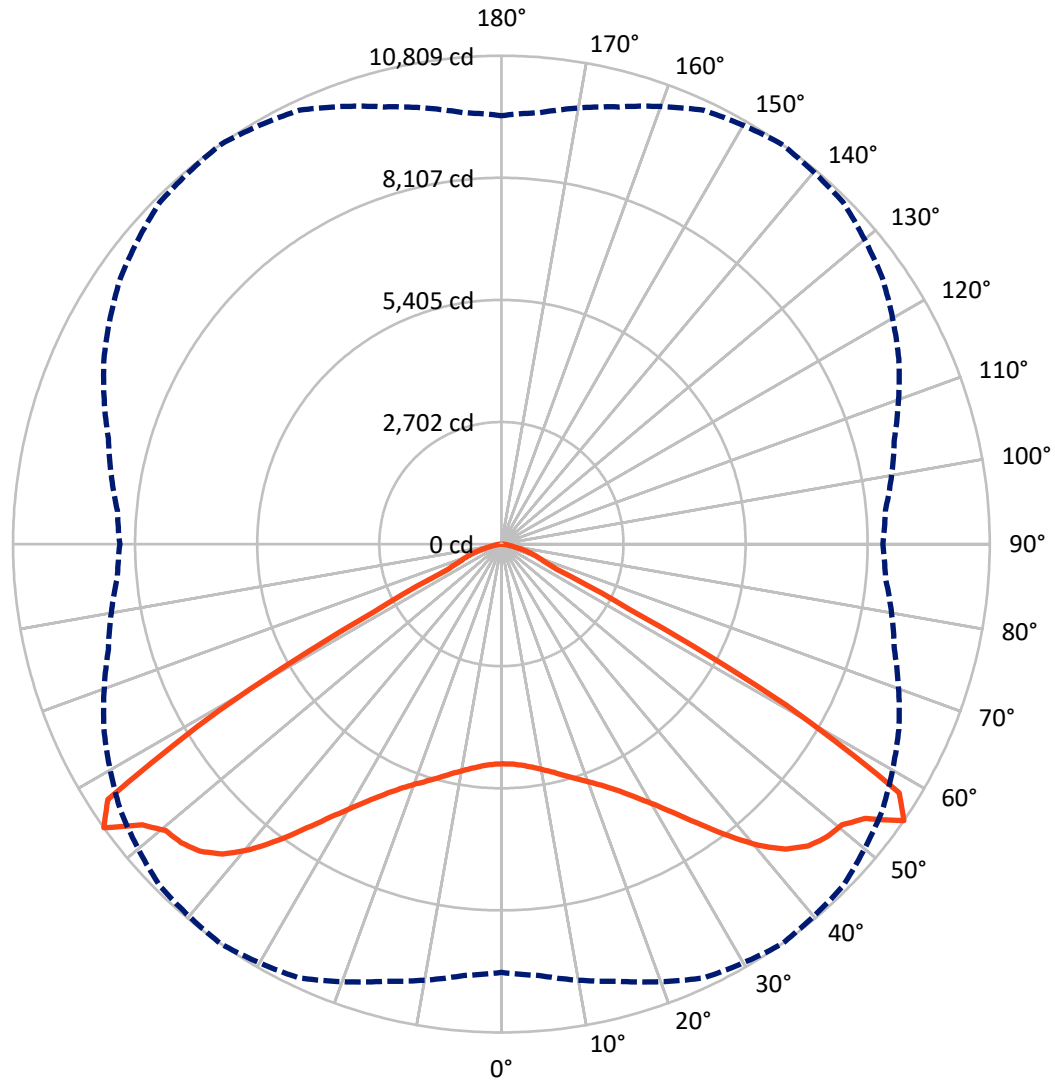
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 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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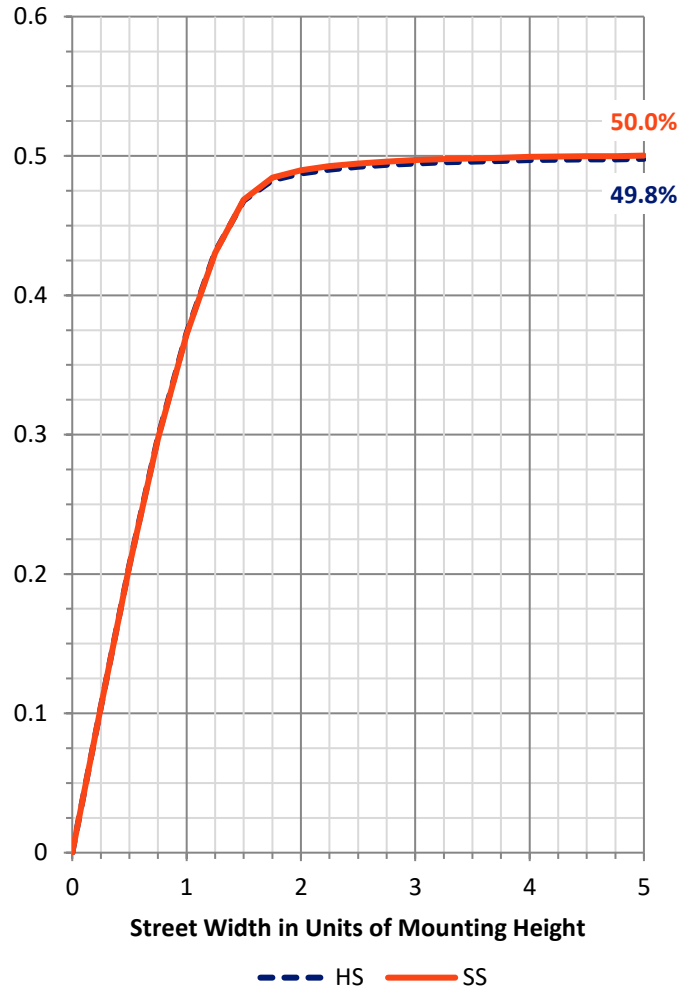
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13517.6	0.0	13517.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13517.6	0.0	13517.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	27035.2	0.0	27035.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	474.4	1.8
10°-20°	1510.4	5.6
20°-30°	2795.4	10.3
30°-40°	4676.1	17.3
40°-50°	7125.6	26.4
50°-60°	7982.2	29.5
60°-70°	1888.7	7.0
70°-80°	509.2	1.9
80°-90°	73.3	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°	27035.2	100.0
0°-180°	27035.2	100.0

Coefficient of Utilization



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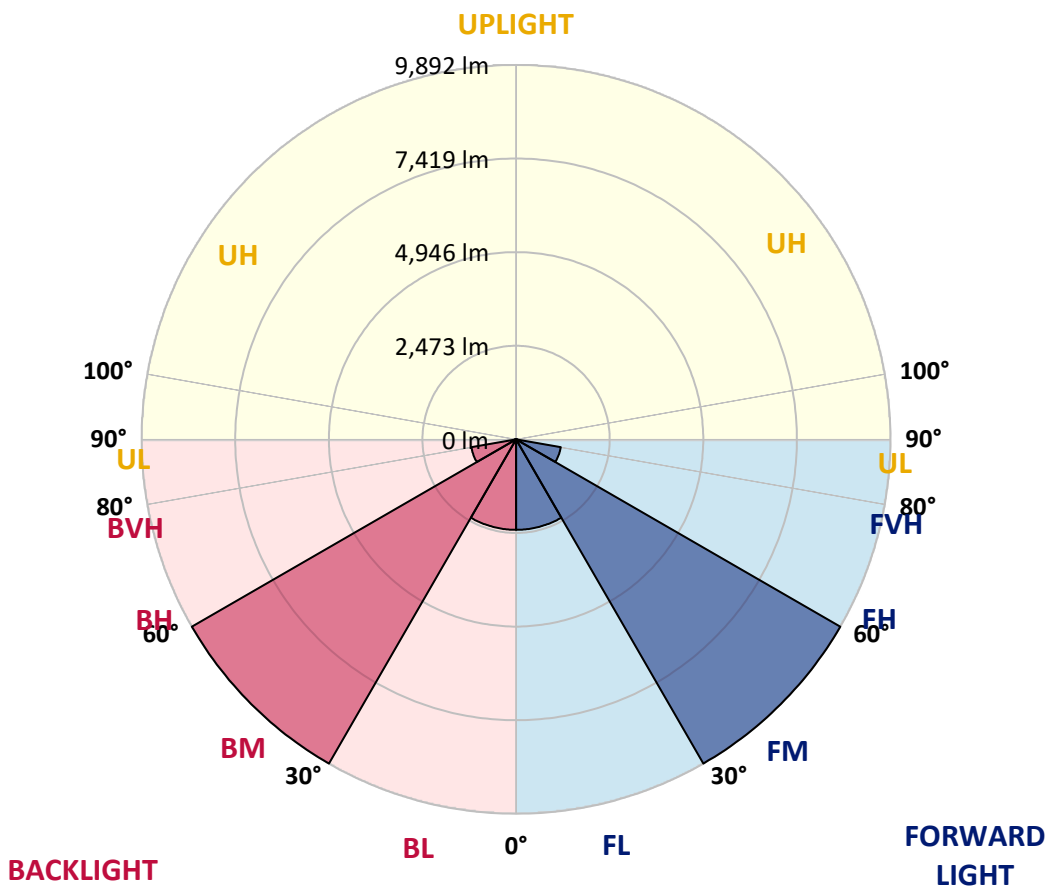
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2390.1	8.8			
FM (30°-60°)	9892.0	36.6			
FH (60°-80°)	1198.9	4.4			G1/1800
FVH (80°-90°)	36.6	0.1			G1/100
BL (0°-30°)	2390.1	8.8	B3/2500		
BM (30°-60°)	9892.0	36.6	B5		
BH (60°-80°)	1198.9	4.4	B3/2500		G1/1800
BVH (80°-90°)	36.6	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4863.7	4863.7	4863.7	4863.7	4863.7	4863.7	4863.7	4863.7	4863.7	4863.7	4863.7
2.5°	4853.0	4853.0	4861.6	4872.3	4874.4	4895.8	4891.5	4882.9	4878.7	4870.1	4889.4
5°	4906.5	4908.6	4915.0	4921.4	4917.2	4934.3	4927.8	4917.2	4910.7	4900.0	4919.3
7.5°	4977.0	4977.0	4983.4	4992.0	4987.7	5013.4	5000.5	4985.6	4974.9	4962.0	4979.2
10°	5041.2	5045.4	5051.8	5068.9	5077.5	5105.3	5096.7	5075.4	5058.3	5043.3	5062.5
12.5°	5137.4	5141.6	5148.0	5171.6	5186.5	5214.3	5201.5	5171.6	5145.9	5124.5	5145.9
15°	5261.4	5257.1	5274.2	5304.1	5323.4	5349.0	5334.0	5282.7	5248.5	5220.7	5242.1
17.5°	5387.5	5385.4	5402.5	5440.9	5468.7	5502.9	5477.3	5417.4	5381.1	5346.9	5368.2
20°	5524.3	5530.7	5547.8	5584.2	5624.8	5669.7	5648.3	5584.2	5543.6	5505.1	5522.2
22.5°	5693.2	5695.3	5714.6	5761.6	5815.1	5857.8	5845.0	5765.9	5714.6	5674.0	5695.3
25°	5896.3	5894.2	5919.8	5975.4	6050.2	6093.0	6065.2	5977.5	5922.0	5874.9	5892.0
27.5°	6129.3	6127.2	6165.7	6238.4	6345.3	6405.1	6347.4	6238.4	6161.4	6095.1	6110.1
30°	6422.2	6415.8	6458.6	6556.9	6695.9	6796.4	6710.8	6559.1	6458.6	6388.0	6403.0
32.5°	6747.2	6755.7	6809.2	6941.7	7117.0	7247.5	7119.2	6950.3	6815.6	6713.0	6730.1
35°	7104.2	7104.2	7213.2	7377.9	7628.0	7801.2	7602.3	7358.6	7179.0	7037.9	7042.2
37.5°	7501.9	7506.1	7649.4	7876.0	8203.1	8406.2	8136.8	7835.4	7617.3	7465.5	7457.0
40°	7987.2	8000.0	8147.5	8399.8	8767.5	8953.5	8664.9	8369.8	8147.5	7967.9	7950.8
42.5°	8534.5	8538.7	8694.8	8921.4	9231.4	9342.6	9116.0	8874.4	8692.7	8530.2	8513.1
45°	9056.1	9045.4	9180.1	9349.0	9528.6	9539.3	9413.1	9314.8	9156.6	9017.6	8992.0
47.5°	9462.3	9453.8	9575.6	9667.5	9688.9	9584.2	9624.8	9639.8	9455.9	9267.8	9218.6
50°	9710.3	9727.4	9842.9	9894.2	9768.0	9597.0	9750.9	9712.4	9449.5	9203.6	9124.5
52.5°	9860.0	9885.6	10086.6	10217.0	10086.6	9924.1	9945.5	9718.9	9340.5	9015.5	8912.9
55°	9481.6	9584.2	10018.2	10595.4	10809.2	10695.9	10289.7	9706.0	9004.8	8532.3	8444.7
57.5°	7027.3	7189.7	7833.2	9083.9	10383.7	10796.4	9609.8	8136.8	7074.3	6467.1	6415.8
60°	3587.4	3769.1	4284.3	5569.2	7241.0	7822.5	6693.7	5210.0	4141.1	3649.4	3593.8
62.5°	1464.5	1494.4	1663.3	2159.3	3200.4	3692.1	3243.2	2276.9	1710.3	1575.6	1577.8
65°	1152.3	1158.7	1150.2	1180.1	1340.5	1488.0	1374.7	1207.9	1178.0	1192.9	1182.3
67.5°	1004.8	1006.9	1000.5	1000.5	1006.9	1000.5	1013.4	1019.8	1024.1	1041.2	1030.5
70°	840.2	842.3	842.3	846.6	844.5	833.8	853.0	861.6	863.7	874.4	868.0
72.5°	649.9	656.3	660.6	662.7	660.6	654.2	664.9	679.8	677.7	688.4	677.7
75°	440.4	449.0	453.2	461.8	459.6	459.6	472.5	478.9	472.5	481.0	472.5
77.5°	250.1	256.5	269.4	277.9	286.5	292.9	301.4	305.7	303.6	307.9	303.6
80°	145.4	147.5	158.2	162.5	173.2	183.9	192.4	196.7	198.8	201.0	198.8
82.5°	83.4	85.5	89.8	94.1	102.6	111.2	119.7	126.1	126.1	128.3	126.1
85°	40.6	40.6	42.8	44.9	49.2	55.6	62.0	68.4	70.6	70.6	70.6
87.5°	6.4	6.4	8.6	8.6	10.7	12.8	17.1	21.4	23.5	23.5	23.5
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)