

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: P643404

Luminaire Tested: GWS-SA6E-830-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643404
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-830-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31136.2 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

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

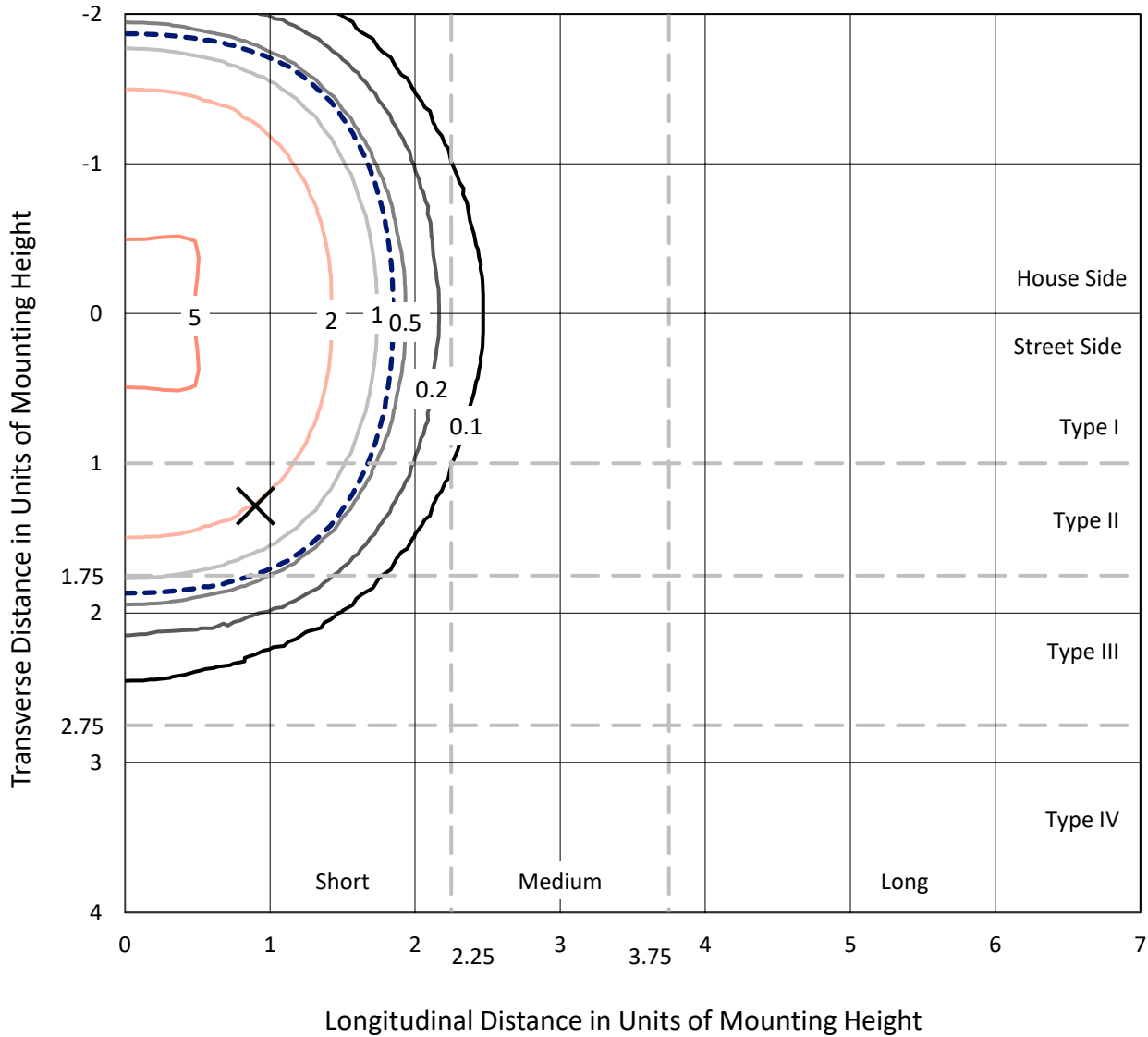


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Iso-Footcandle Lines of Horizontal Illumination

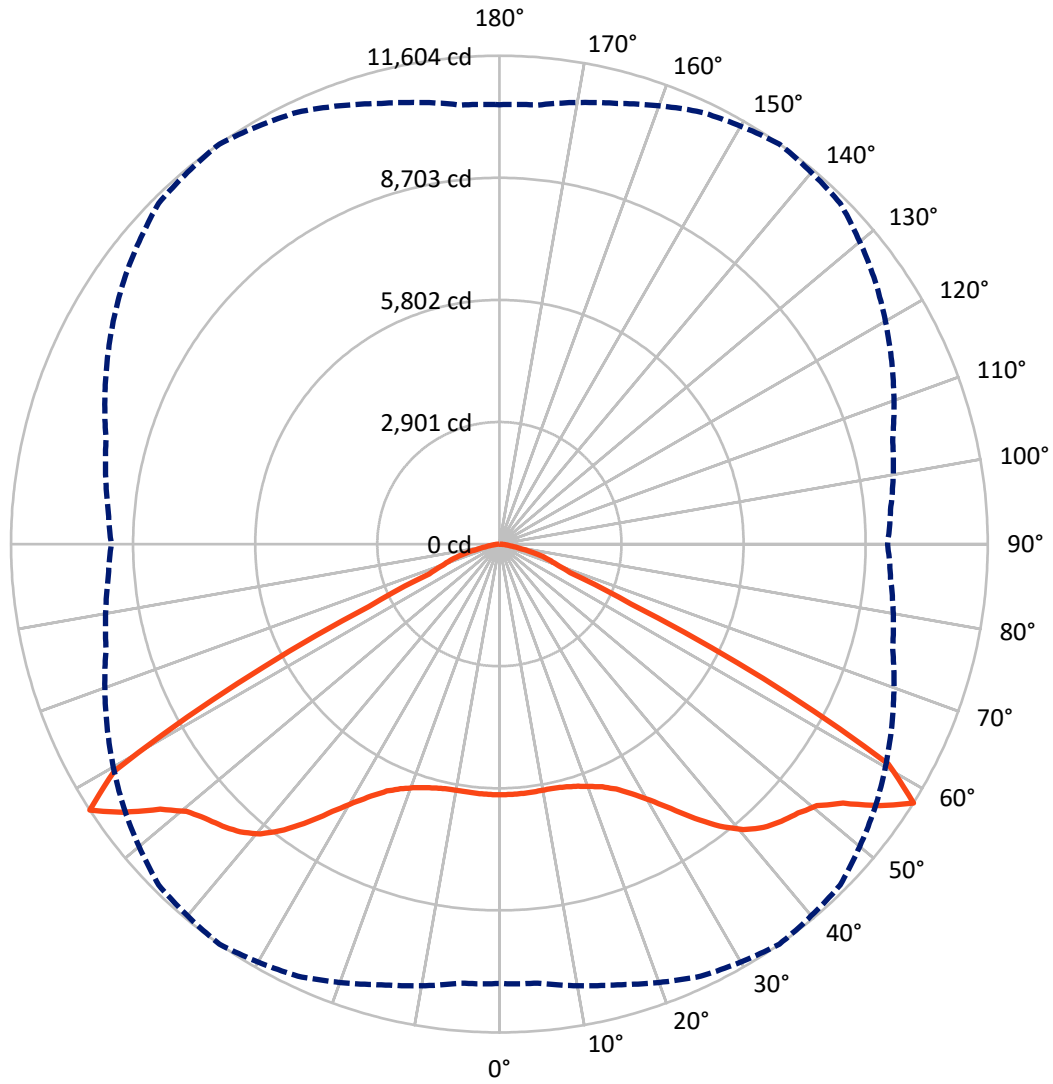
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15568.1	0.0	15568.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15568.1	0.0	15568.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	31136.2	0.0	31136.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	566.8	1.8
10°-20°	1690.9	5.4
20°-30°	2950.4	9.5
30°-40°	4837.9	15.5
40°-50°	7125.1	22.9
50°-60°	9092.9	29.2
60°-70°	3832.2	12.3
70°-80°	915.4	2.9
80°-90°	124.6	0.4
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°	31136.2	100.0
0°-180°	31136.2	100.0

Coefficient of Utilization



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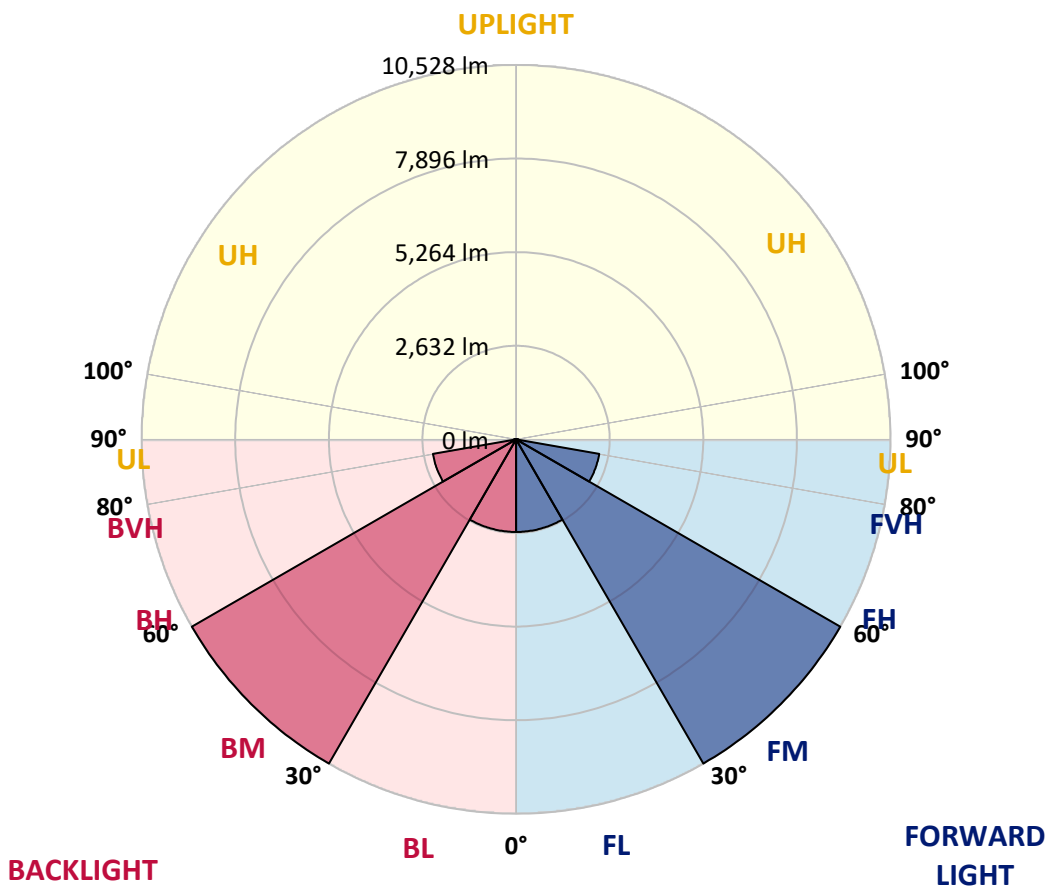
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2604.0	8.4			
FM (30°-60°)	10528.0	33.8			
FH (60°-80°)	2373.8	7.6			G2/5000
FVH (80°-90°)	62.3	0.2			G1/100
BL (0°-30°)	2604.0	8.4	B4/5000		
BM (30°-60°)	10528.0	33.8	B5		
BH (60°-80°)	2373.8	7.6	B3/2500		G2/5000
BVH (80°-90°)	62.3	0.2			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°	5957.6	5957.6	5957.6	5957.6	5957.6	5957.6	5957.6	5957.6	5957.6	5957.6	5957.6
2.5°	5921.9	5921.9	5934.6	5947.4	5952.5	5975.4	5972.9	5965.2	5960.1	5944.8	5965.2
5°	5934.6	5934.6	5944.8	5952.5	5949.9	5967.8	5960.1	5947.4	5939.7	5924.4	5947.4
7.5°	5932.1	5932.1	5939.7	5947.4	5942.3	5957.6	5944.8	5927.0	5914.2	5898.9	5919.3
10°	5898.9	5904.0	5911.7	5929.5	5937.2	5960.1	5942.3	5914.2	5893.8	5876.0	5896.4
12.5°	5893.8	5898.9	5909.1	5932.1	5944.8	5977.9	5955.0	5909.1	5878.5	5855.6	5876.0
15°	5916.8	5921.9	5937.2	5965.2	5985.6	6021.3	5988.1	5924.4	5881.1	5850.5	5868.3
17.5°	5944.8	5952.5	5975.4	6016.2	6049.3	6087.6	6046.8	5970.3	5909.1	5868.3	5883.6
20°	5975.4	5985.6	6021.3	6082.5	6143.6	6192.1	6141.1	6039.1	5965.2	5911.7	5927.0
22.5°	6028.9	6041.7	6087.6	6174.2	6266.0	6337.4	6273.7	6136.0	6039.1	5970.3	5983.0
25°	6138.6	6153.8	6212.5	6317.0	6447.0	6533.7	6444.5	6289.0	6153.8	6069.7	6082.5
27.5°	6332.3	6339.9	6416.4	6554.1	6714.7	6814.1	6707.0	6523.5	6373.1	6276.2	6286.4
30°	6587.2	6610.2	6686.6	6867.6	7058.8	7191.4	7051.2	6834.5	6661.1	6543.9	6554.1
32.5°	6898.2	6913.5	7028.2	7216.9	7492.2	7645.1	7454.0	7196.5	6987.4	6844.7	6854.9
35°	7306.1	7318.8	7428.5	7668.1	8002.0	8144.8	7925.6	7629.9	7387.7	7252.6	7290.8
37.5°	7793.0	7815.9	7895.0	8132.1	8504.2	8644.4	8392.1	8116.8	7864.4	7739.5	7767.5
40°	8315.6	8313.0	8376.8	8585.8	8924.9	9011.5	8784.7	8565.4	8348.7	8267.2	8313.0
42.5°	8764.3	8751.5	8797.4	8970.7	9205.3	9212.9	9062.5	8940.2	8787.2	8731.1	8774.5
45°	9077.8	9082.9	9151.7	9271.6	9391.4	9327.6	9281.8	9261.4	9141.5	9065.1	9072.7
47.5°	9325.1	9345.5	9455.1	9536.7	9552.0	9444.9	9508.6	9539.2	9439.8	9322.5	9289.4
50°	9544.3	9577.5	9720.2	9806.9	9773.8	9638.6	9763.6	9809.4	9590.2	9365.9	9299.6
52.5°	9942.0	9980.2	10153.6	10265.8	10227.5	10092.4	10209.7	10046.5	9676.9	9401.6	9317.4
55°	10576.8	10594.6	10806.2	10989.7	10971.9	10806.2	10711.9	10349.9	9901.2	9615.7	9536.7
57.5°	10441.7	10472.2	10839.3	11328.8	11604.1	11453.7	10900.5	10283.6	9674.3	9330.2	9223.1
60°	8216.2	8290.1	8746.4	9608.1	10617.6	10615.0	9587.7	8629.2	7895.0	7438.7	7392.8
62.5°	4797.7	4848.6	5264.2	6136.0	7041.0	7097.1	6375.6	5717.9	5075.5	4767.1	4619.2
65°	2271.4	2268.8	2434.5	2827.1	3438.9	3487.3	3270.7	2911.2	2531.4	2426.9	2398.8
67.5°	1677.4	1677.4	1664.6	1692.7	1810.0	1835.4	1810.0	1751.3	1715.6	1738.6	1723.3
70°	1455.6	1458.2	1442.9	1435.2	1435.2	1427.6	1437.8	1460.7	1476.0	1506.6	1491.3
72.5°	1180.3	1182.8	1182.8	1185.4	1187.9	1177.7	1193.0	1205.8	1208.3	1218.5	1208.3
75°	838.7	843.8	859.1	871.8	882.0	882.0	887.1	889.7	879.5	892.2	871.8
77.5°	461.4	466.5	494.6	517.5	540.4	543.0	550.6	555.7	550.6	560.8	545.5
80°	254.9	260.0	272.8	283.0	300.8	316.1	326.3	331.4	331.4	339.0	331.4
82.5°	145.3	150.4	158.1	163.2	178.4	191.2	201.4	209.0	209.0	211.6	206.5
85°	68.8	68.8	73.9	79.0	86.7	91.8	104.5	112.2	112.2	117.3	112.2
87.5°	10.2	12.7	15.3	15.3	20.4	25.5	30.6	33.1	38.2	40.8	40.8
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)