

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: P643186

Luminaire Tested: GWS-SA6E-740-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643186
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31499.9 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

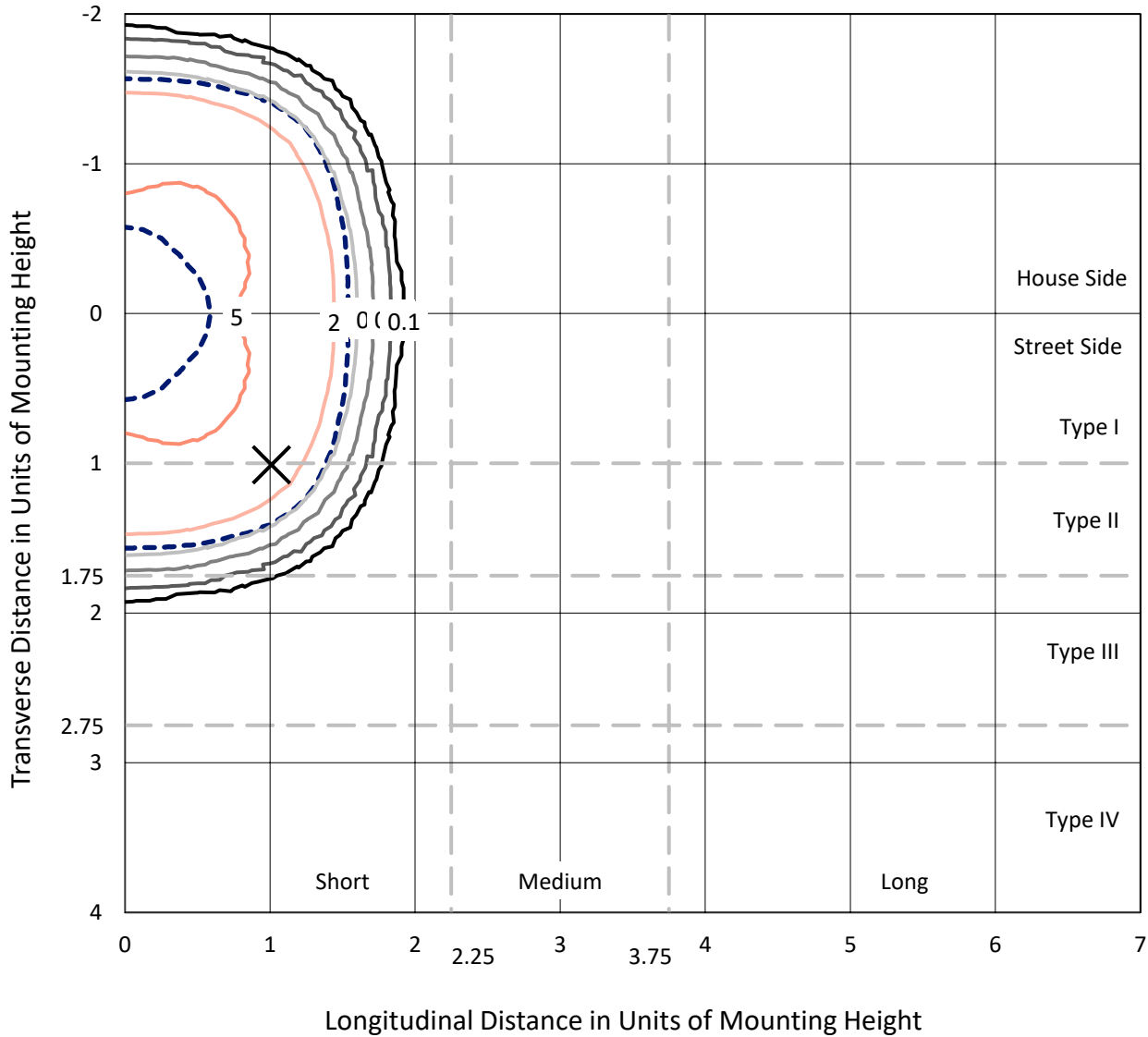
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

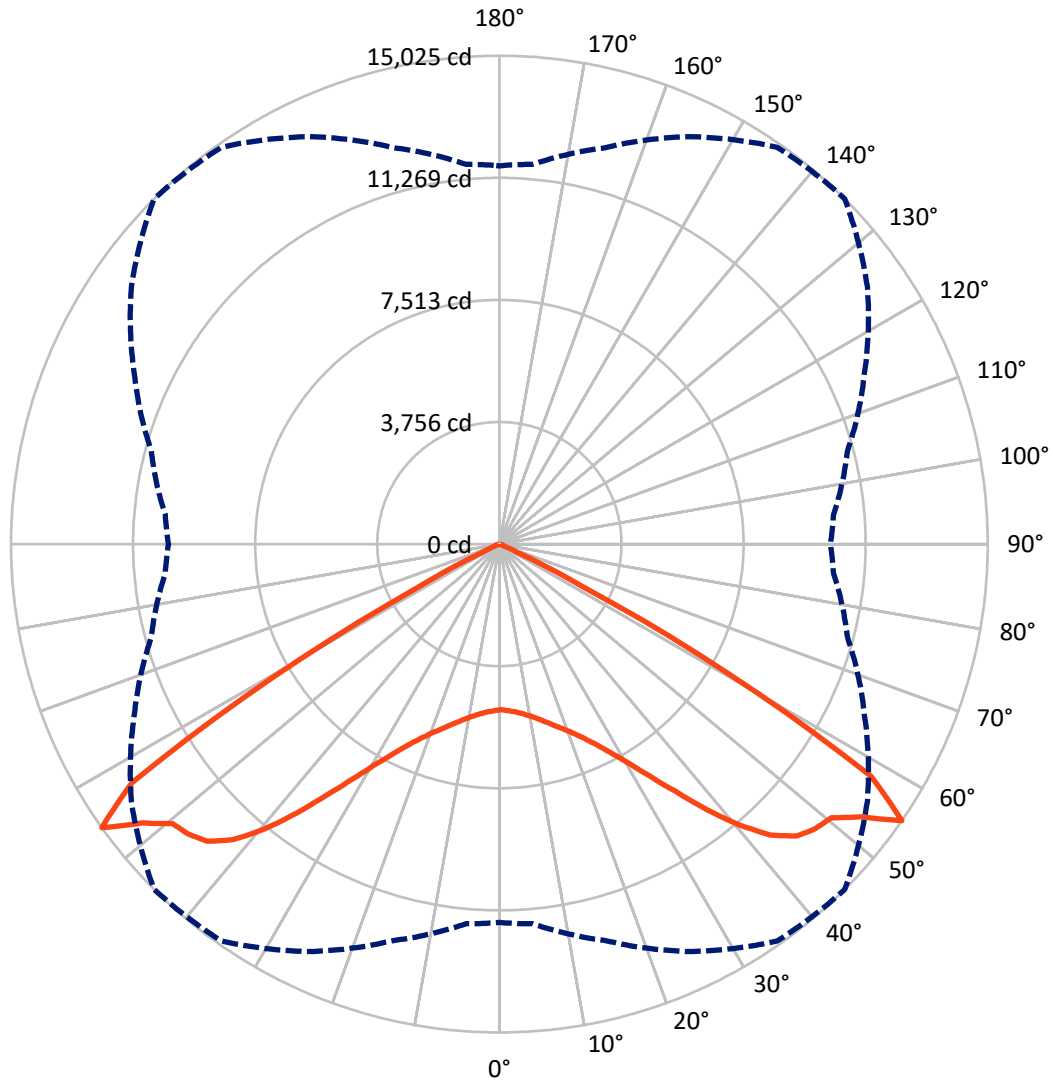
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.7 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	15749.9	0.0	15749.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15749.9	0.0	15749.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	31499.9	0.0	31499.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	499.0	1.6
10°-20°	1617.5	5.1
20°-30°	3132.6	9.9
30°-40°	5612.1	17.8
40°-50°	9409.1	29.9
50°-60°	10071.9	32.0
60°-70°	1106.8	3.5
70°-80°	48.7	0.2
80°-90°	2.3	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°	31499.9	100.0
0°-180°	31499.9	100.0

Coefficient of Utilization



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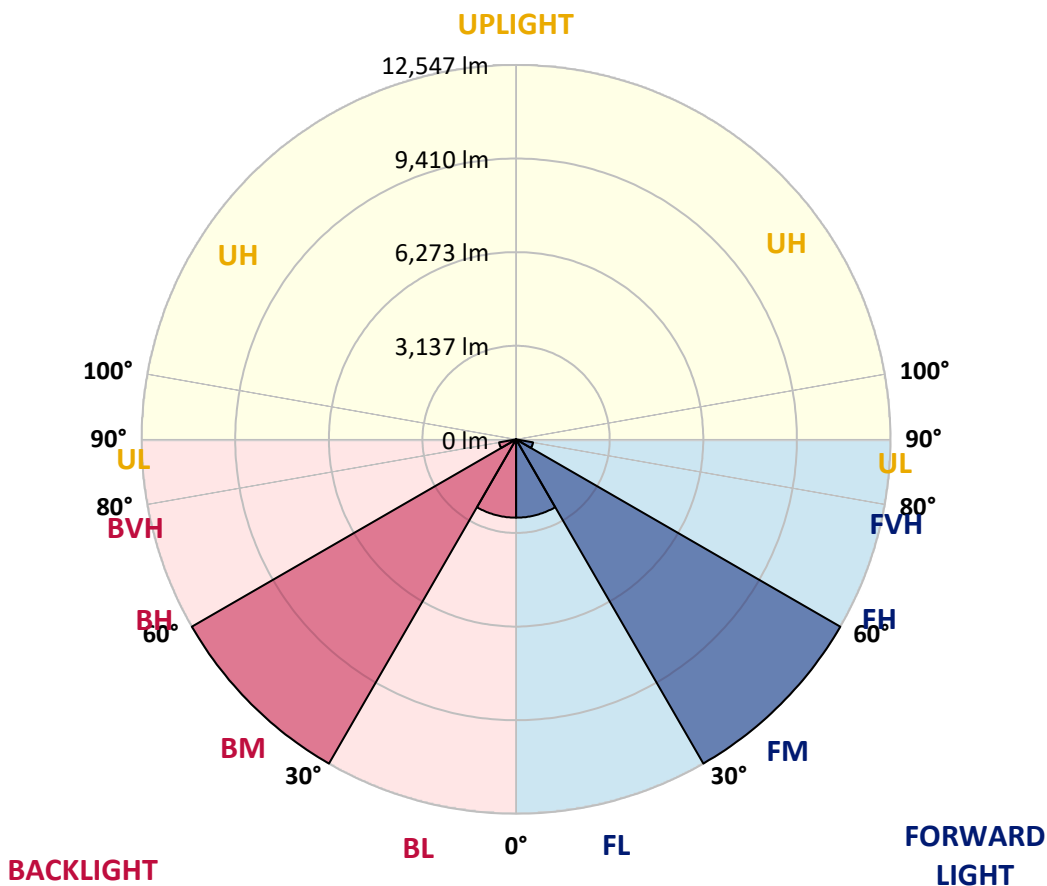
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2624.5	8.3			
FM (30°-60°)	12546.5	39.8			
FH (60°-80°)	577.7	1.8			G0/660
FVH (80°-90°)	1.1	0.0			G0/10
BL (0°-30°)	2624.5	8.3	B4/5000		
BM (30°-60°)	12546.5	39.8	B5		
BH (60°-80°)	577.7	1.8	B2/1000		G0/660
BVH (80°-90°)	1.1	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°	5092.9	5092.9	5092.9	5092.9	5092.9	5092.9	5092.9	5092.9	5092.9	5092.9	5092.9
2.5°	5083.3	5083.3	5096.1	5105.8	5105.8	5131.4	5121.8	5112.2	5112.2	5099.3	5125.0
5°	5157.1	5153.9	5166.7	5173.2	5160.3	5186.0	5169.9	5160.3	5153.9	5141.1	5166.7
7.5°	5237.3	5240.5	5243.8	5256.6	5250.2	5275.8	5263.0	5243.8	5237.3	5218.1	5243.8
10°	5333.6	5333.6	5340.0	5356.1	5359.3	5391.4	5378.5	5356.1	5336.8	5317.6	5343.2
12.5°	5455.6	5458.8	5468.4	5490.9	5503.7	5539.0	5519.7	5474.8	5445.9	5423.5	5452.4
15°	5632.1	5628.9	5641.7	5673.8	5689.8	5715.5	5686.6	5625.6	5590.3	5564.7	5583.9
17.5°	5824.6	5824.6	5831.0	5863.1	5885.6	5924.1	5888.8	5815.0	5782.9	5747.6	5766.8
20°	6036.4	6046.0	6052.5	6074.9	6113.4	6151.9	6123.1	6049.3	6014.0	5969.0	5991.5
22.5°	6315.6	6306.0	6309.2	6347.7	6402.3	6440.8	6418.3	6331.7	6270.7	6235.4	6248.2
25°	6626.9	6623.7	6633.3	6691.1	6752.1	6793.8	6761.7	6649.4	6588.4	6527.4	6553.1
27.5°	7008.8	7012.0	7018.4	7089.0	7185.3	7246.3	7166.0	7053.7	6970.3	6890.1	6909.3
30°	7461.3	7454.9	7474.1	7570.4	7711.6	7807.9	7714.8	7557.6	7438.8	7361.8	7371.4
32.5°	7942.7	7949.1	8000.4	8154.5	8340.6	8510.7	8321.3	8112.7	7958.7	7814.3	7833.5
35°	8462.5	8478.6	8594.1	8822.0	9126.8	9354.7	9091.5	8748.2	8529.9	8343.8	8350.2
37.5°	9075.5	9114.0	9274.5	9614.6	10051.1	10355.9	9970.8	9515.1	9232.7	9001.7	8985.6
40°	9881.0	9925.9	10144.1	10548.5	11078.0	11357.2	10911.1	10442.6	10092.8	9842.5	9804.0
42.5°	10805.2	10863.0	11100.5	11514.4	12044.0	12233.3	11796.8	11402.1	11087.6	10792.4	10779.5
45°	11848.2	11880.3	12072.8	12390.5	12772.4	12817.4	12490.0	12271.8	11954.1	11678.1	11655.6
47.5°	12827.0	12859.1	12990.7	13154.3	13244.2	13083.7	13026.0	12929.7	12518.9	12178.7	12108.1
50°	13571.5	13597.2	13760.9	13825.0	13574.7	13234.5	13346.9	13141.5	12695.4	12313.5	12204.4
52.5°	13520.2	13584.3	14004.7	14370.6	14213.3	13937.4	13635.7	13192.8	12499.7	11976.6	11841.8
55°	11639.6	11726.2	12628.0	13831.5	14906.5	15025.3	13818.6	12390.5	11087.6	10320.6	10182.6
57.5°	7480.5	7503.0	8603.7	10291.8	12714.7	13478.4	11459.9	9341.8	7721.2	6877.2	6819.5
60°	2750.2	2705.3	3536.5	4935.7	7323.3	8132.0	6745.6	4723.9	3369.6	2772.7	2724.6
62.5°	661.1	667.5	828.0	1241.9	2297.8	2843.3	2246.4	1254.8	799.1	670.7	664.3
65°	333.8	327.3	330.5	356.2	491.0	587.3	481.4	340.2	327.3	330.5	327.3
67.5°	215.0	211.8	218.2	221.4	218.2	205.4	202.2	208.6	208.6	211.8	205.4
70°	131.6	128.4	134.8	144.4	138.0	121.9	128.4	134.8	128.4	125.2	125.2
72.5°	70.6	70.6	77.0	83.4	77.0	70.6	70.6	73.8	70.6	70.6	70.6
75°	32.1	32.1	35.3	38.5	32.1	32.1	32.1	32.1	32.1	32.1	32.1
77.5°	9.6	9.6	12.8	12.8	9.6	9.6	9.6	9.6	12.8	12.8	12.8
80°	3.2	6.4	6.4	3.2	3.2	3.2	3.2	3.2	6.4	6.4	6.4
82.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
85°	3.2	3.2	3.2	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
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)