

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: P643737

Luminaire Tested: GWS-SA6F-750-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643737
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-SA6F-750-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46153.3 lumens
Efficiency: N/A
Efficacy: 123.9 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): 372.6
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

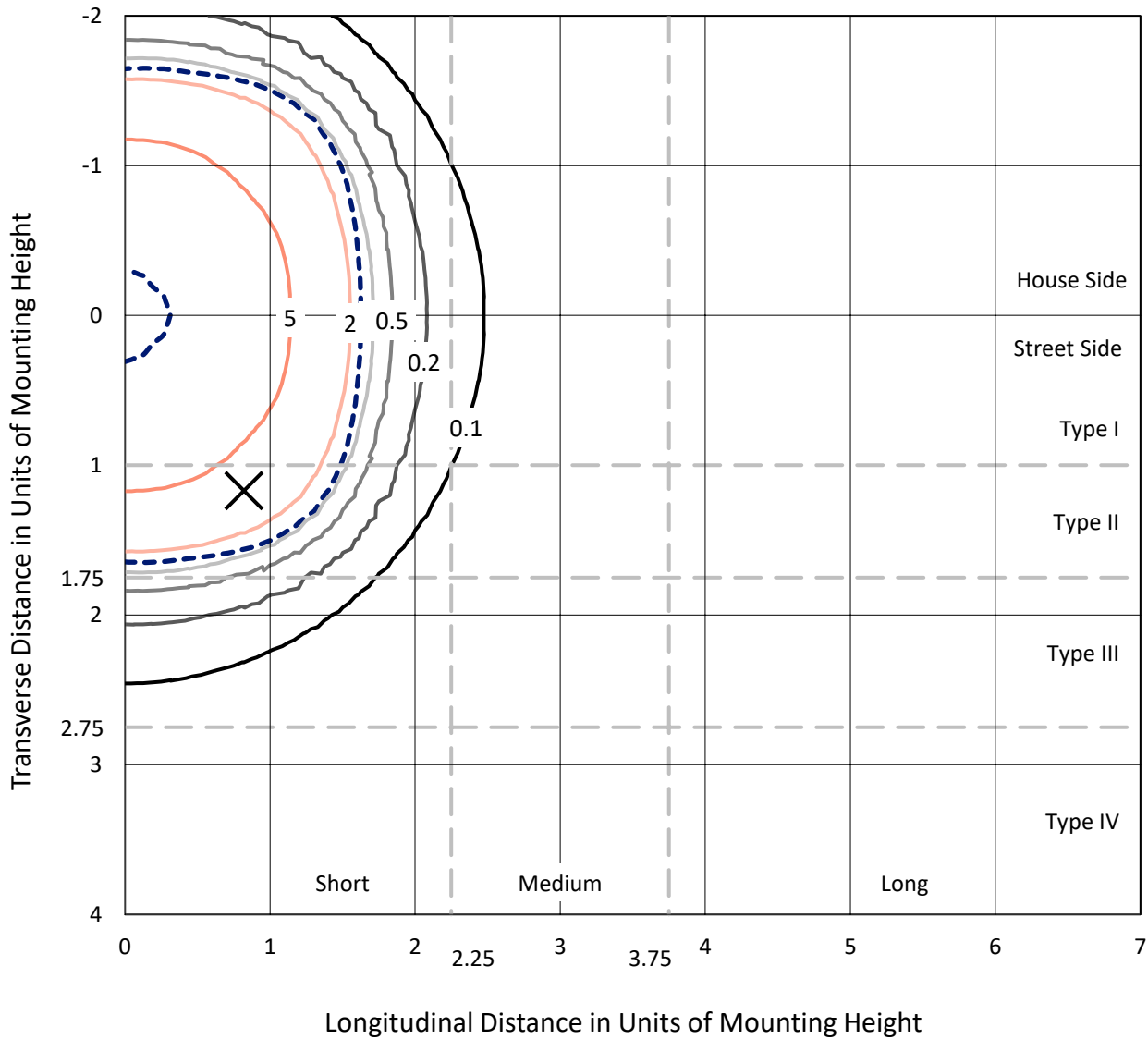


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Iso-Footcandle Lines of Horizontal Illumination

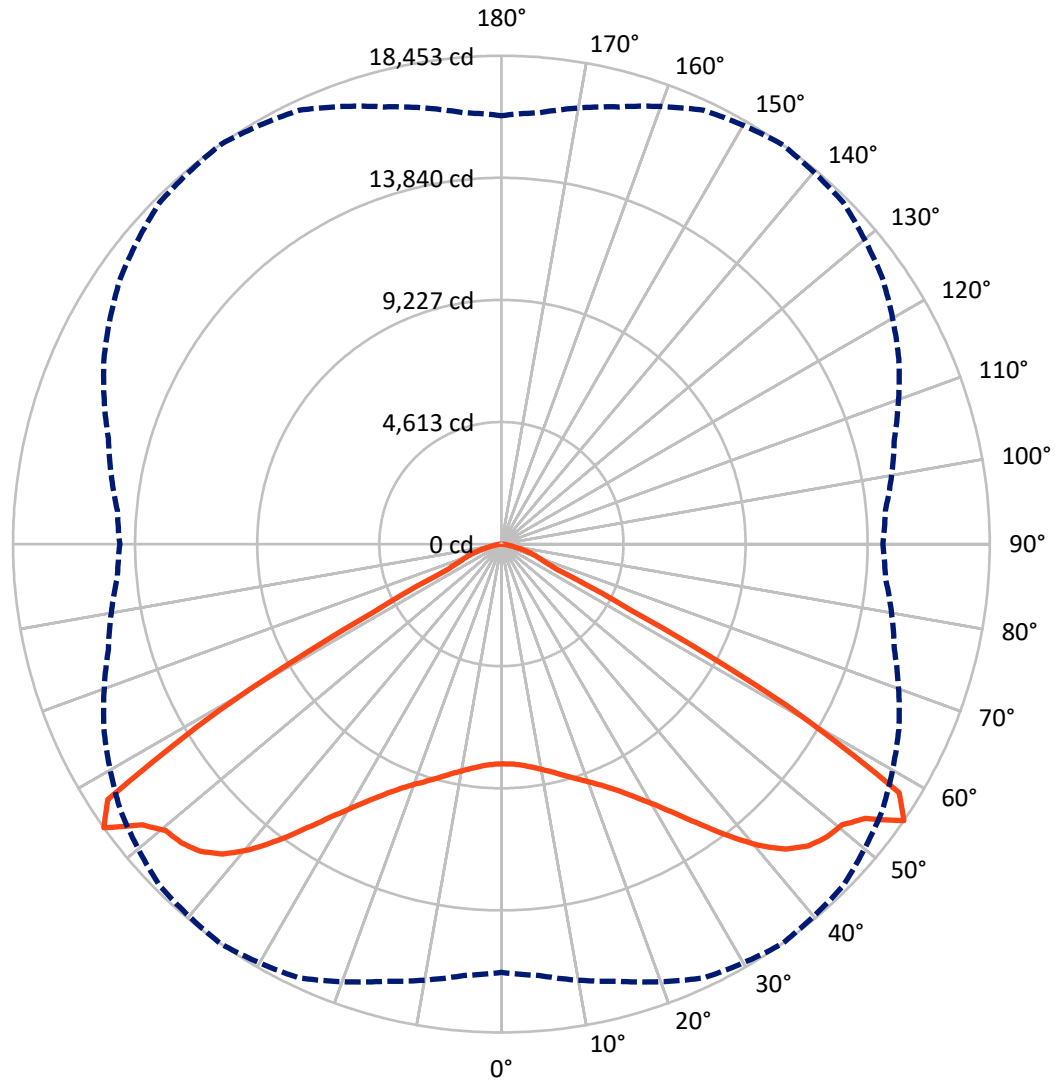
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.2 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	23076.7	0.0	23076.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23076.7	0.0	23076.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	46153.3	0.0	46153.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	809.9	1.8
10°-20°	2578.4	5.6
20°-30°	4772.2	10.3
30°-40°	7982.9	17.3
40°-50°	12164.6	26.4
50°-60°	13626.9	29.5
60°-70°	3224.2	7.0
70°-80°	869.3	1.9
80°-90°	125.1	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°	46153.3	100.0
0°-180°	46153.3	100.0

Coefficient of Utilization



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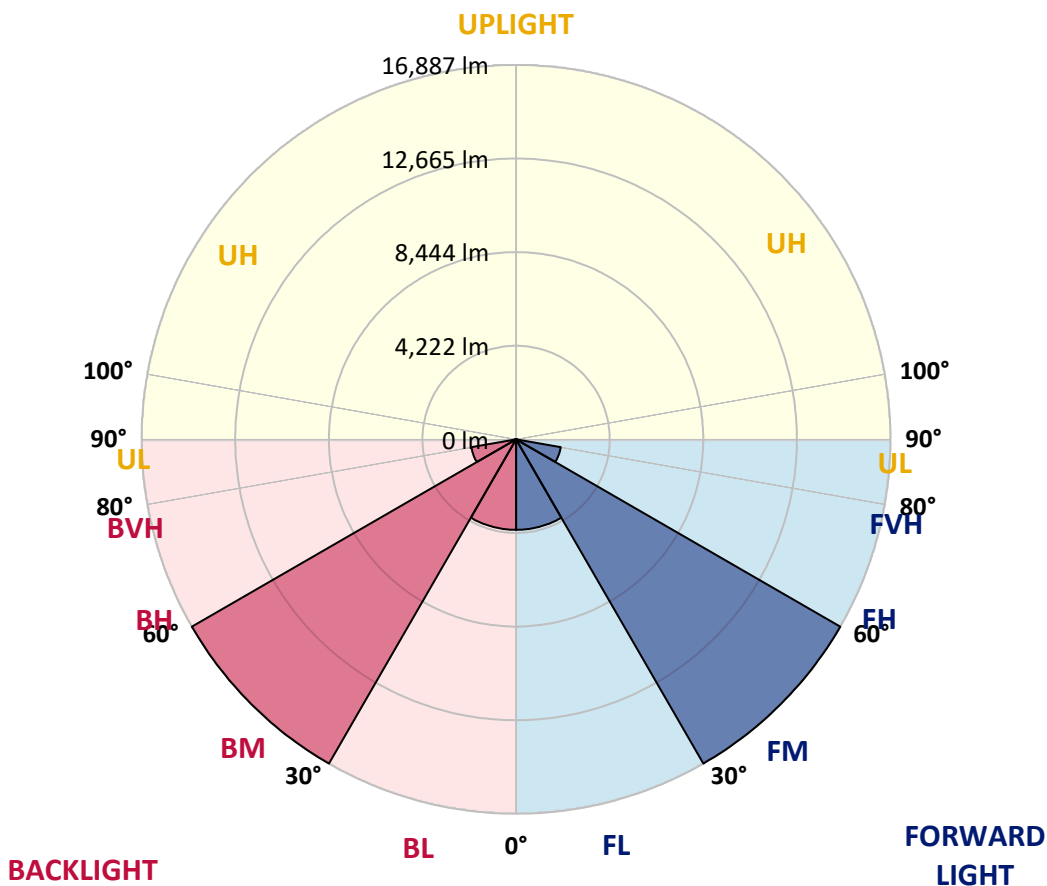
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4080.2	8.8			
FM (30°-60°)	16887.1	36.6			
FH (60°-80°)	2046.8	4.4			G2/5000
FVH (80°-90°)	62.5	0.1			G1/100
BL (0°-30°)	4080.2	8.8	B4/5000		
BM (30°-60°)	16887.1	36.6	B5		
BH (60°-80°)	2046.8	4.4	B3/2500		G2/5000
BVH (80°-90°)	62.5	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8303.1	8303.1	8303.1	8303.1	8303.1	8303.1	8303.1	8303.1	8303.1	8303.1	8303.1
2.5°	8284.9	8284.9	8299.5	8317.7	8321.4	8357.8	8350.5	8335.9	8328.7	8314.1	8346.9
5°	8376.1	8379.7	8390.7	8401.6	8394.3	8423.5	8412.6	8394.3	8383.4	8365.1	8398.0
7.5°	8496.5	8496.5	8507.5	8522.1	8514.8	8558.6	8536.7	8511.1	8492.9	8471.0	8500.2
10°	8606.0	8613.3	8624.3	8653.5	8668.1	8715.5	8700.9	8664.4	8635.2	8609.7	8642.5
12.5°	8770.3	8777.6	8788.5	8828.7	8854.2	8901.7	8879.8	8828.7	8784.9	8748.4	8784.9
15°	8981.9	8974.7	9003.8	9054.9	9087.8	9131.6	9106.0	9018.4	8960.1	8912.6	8949.1
17.5°	9197.3	9193.6	9222.8	9288.5	9336.0	9394.4	9350.6	9248.4	9186.3	9127.9	9164.4
20°	9430.9	9441.8	9471.0	9533.1	9602.4	9679.0	9642.5	9533.1	9463.7	9398.0	9427.2
22.5°	9719.2	9722.8	9755.7	9836.0	9927.2	10000.2	9978.3	9843.3	9755.7	9686.3	9722.8
25°	10065.9	10062.3	10106.1	10201.0	10328.7	10401.7	10354.2	10204.6	10109.7	10029.4	10058.6
27.5°	10463.7	10460.1	10525.8	10649.9	10832.4	10934.5	10836.0	10649.9	10518.5	10405.3	10430.9
30°	10963.7	10952.8	11025.8	11193.7	11430.9	11602.4	11456.5	11197.3	11025.8	10905.3	10930.9
32.5°	11518.5	11533.1	11624.3	11850.6	12149.9	12372.5	12153.6	11865.2	11635.3	11460.1	11489.3
35°	12128.0	12128.0	12314.1	12595.2	13022.2	13317.8	12978.4	12562.3	12255.7	12014.9	12022.2
37.5°	12806.9	12814.2	13058.7	13445.6	14004.0	14350.7	13890.8	13376.2	13003.9	12744.8	12730.2
40°	13635.3	13657.2	13909.1	14339.7	14967.5	15285.0	14792.3	14288.6	13909.1	13602.5	13573.3
42.5°	14569.7	14577.0	14843.4	15230.3	15759.5	15949.3	15562.4	15150.0	14839.7	14562.4	14533.2
45°	15460.2	15441.9	15671.9	15960.2	16266.8	16285.0	16069.7	15901.8	15631.7	15394.5	15350.7
47.5°	16153.6	16139.0	16347.1	16504.0	16540.5	16361.7	16431.0	16456.6	16142.7	15821.5	15737.6
50°	16577.0	16606.2	16803.3	16890.9	16675.5	16383.6	16646.4	16580.7	16131.7	15712.0	15577.0
52.5°	16832.5	16876.3	17219.4	17442.0	17219.4	16942.0	16978.5	16591.6	15945.6	15390.8	15215.7
55°	16186.5	16361.7	17102.6	18088.0	18453.0	18259.5	17566.1	16569.7	15372.6	14566.0	14416.4
57.5°	11996.6	12274.0	13372.6	15507.6	17726.7	18431.1	16405.5	13890.8	12076.9	11040.4	10952.8
60°	6124.2	6434.4	7314.0	9507.5	12361.6	13354.3	11427.3	8894.4	7069.5	6230.1	6135.2
62.5°	2500.1	2551.2	2839.5	3686.2	5463.6	6303.1	5536.6	3886.9	2919.8	2689.8	2693.5
65°	1967.2	1978.1	1963.5	2014.6	2288.4	2540.2	2346.8	2062.1	2011.0	2036.5	2018.3
67.5°	1715.4	1719.0	1708.1	1708.1	1719.0	1708.1	1730.0	1740.9	1748.2	1777.4	1759.2
70°	1434.3	1438.0	1438.0	1445.3	1441.6	1423.4	1456.2	1470.8	1474.5	1492.7	1481.8
72.5°	1109.5	1120.5	1127.8	1131.4	1127.8	1116.8	1135.1	1160.6	1157.0	1175.2	1157.0
75°	751.8	766.4	773.7	788.3	784.7	784.7	806.6	817.5	806.6	821.2	806.6
77.5°	427.0	438.0	459.9	474.5	489.1	500.0	514.6	521.9	518.3	525.6	518.3
80°	248.2	251.8	270.1	277.4	295.6	313.9	328.5	335.8	339.4	343.1	339.4
82.5°	142.3	146.0	153.3	160.6	175.2	189.8	204.4	215.3	215.3	219.0	215.3
85°	69.3	69.3	73.0	76.6	83.9	94.9	105.8	116.8	120.4	120.4	120.4
87.5°	10.9	10.9	14.6	14.6	18.2	21.9	29.2	36.5	40.1	40.1	40.1
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)