

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: P640767

Luminaire Tested: GWS-SA5E-750-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640767
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34812.5 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

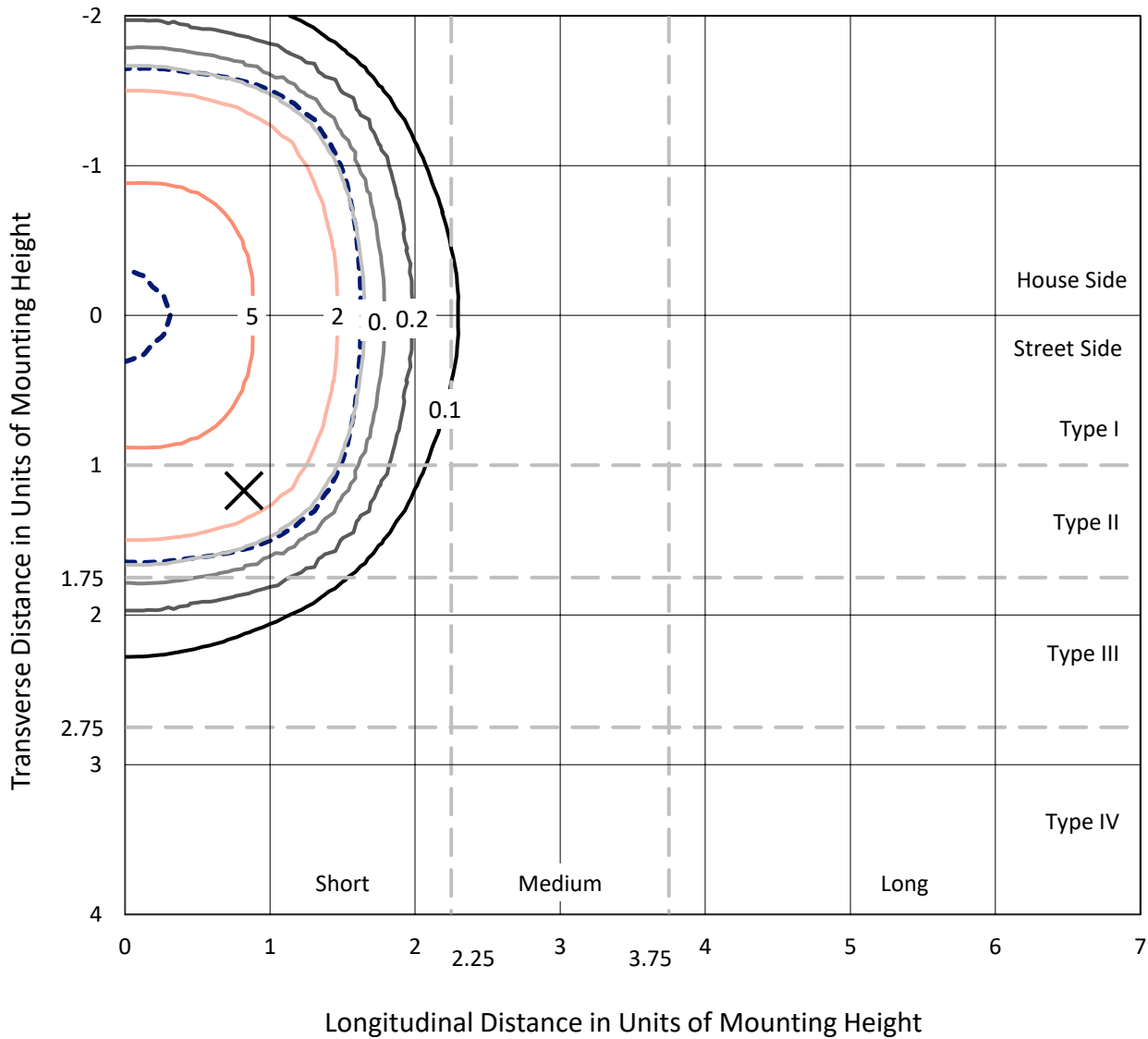
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

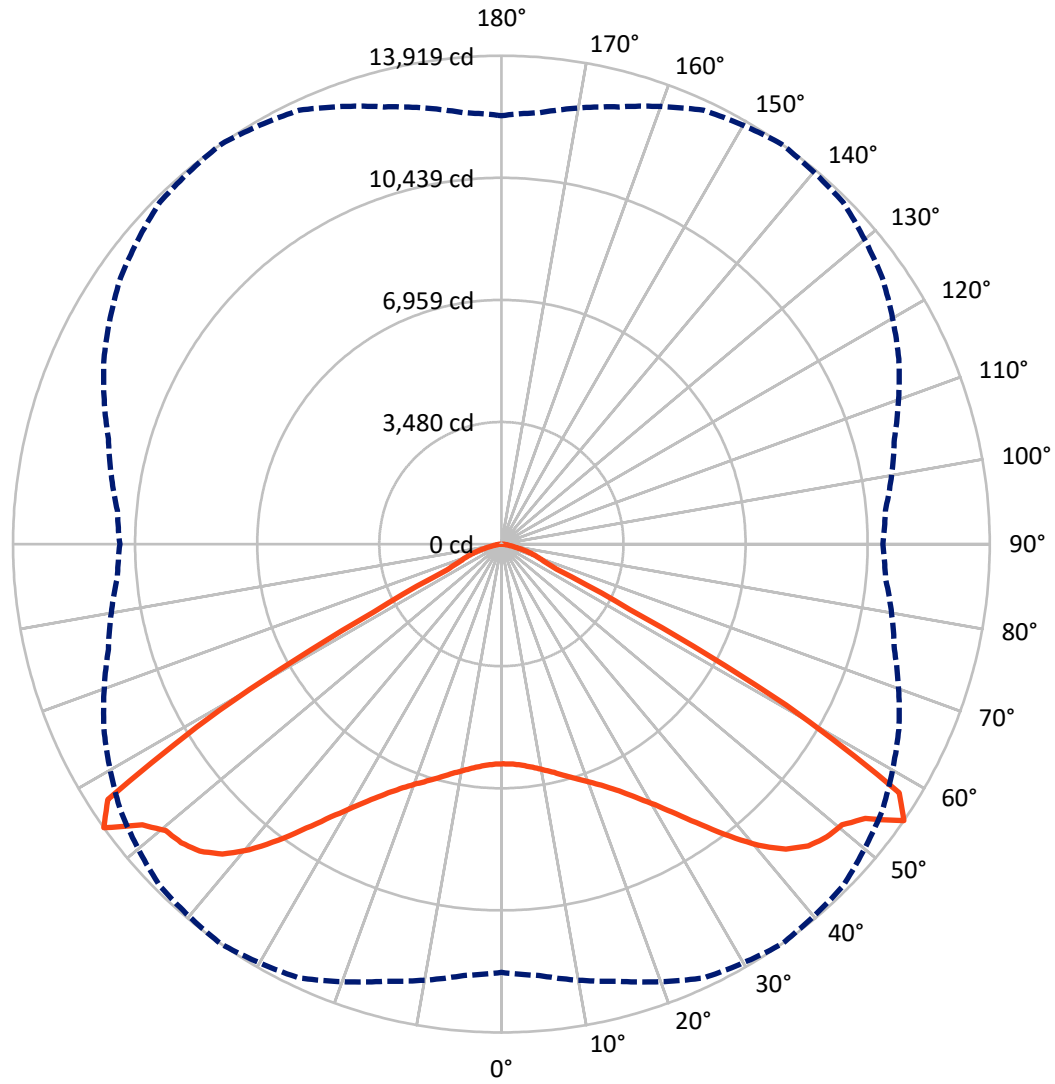
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7 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	17406.3	0.0	17406.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17406.3	0.0	17406.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	34812.5	0.0	34812.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	610.9	1.8
10°-20°	1944.8	5.6
20°-30°	3599.5	10.3
30°-40°	6021.3	17.3
40°-50°	9175.5	26.4
50°-60°	10278.5	29.5
60°-70°	2432.0	7.0
70°-80°	655.7	1.9
80°-90°	94.4	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°	34812.5	100.0
0°-180°	34812.5	100.0

Coefficient of Utilization



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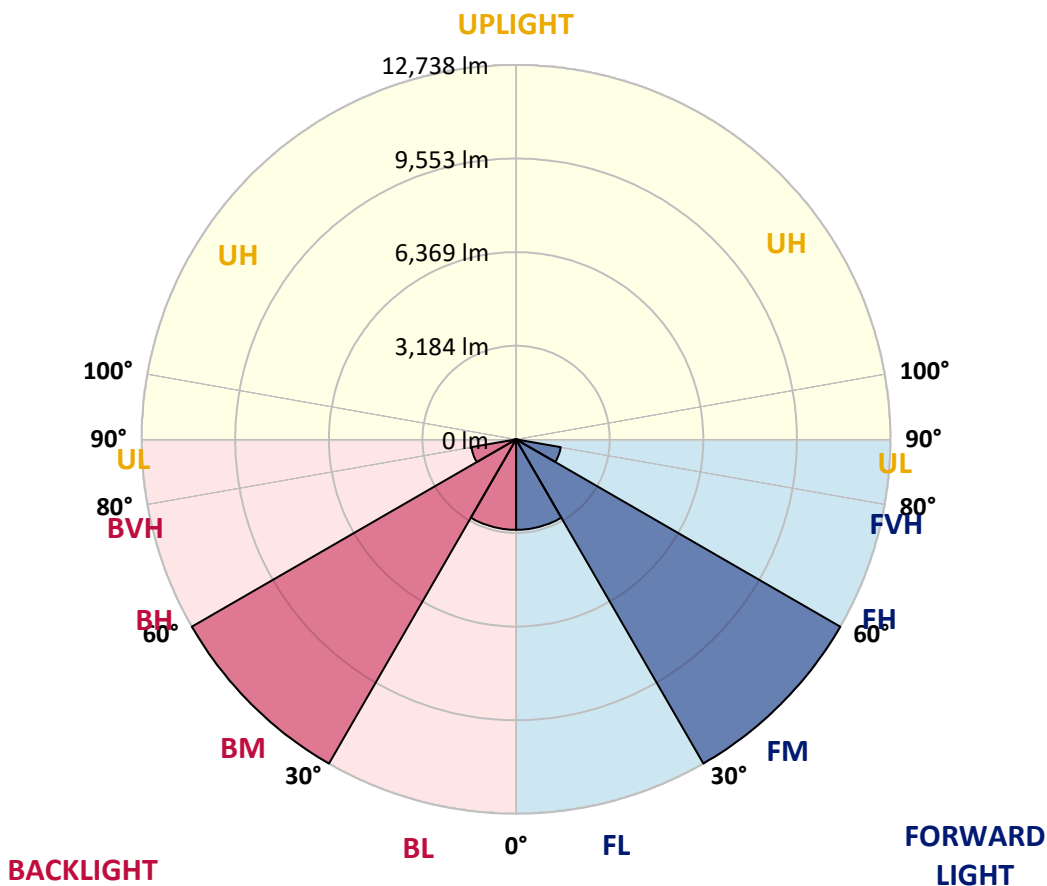
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3077.6	8.8			
FM (30°-60°)	12737.6	36.6			
FH (60°-80°)	1543.8	4.4			G1/1800
FVH (80°-90°)	47.2	0.1			G1/100
BL (0°-30°)	3077.6	8.8	B4/5000		
BM (30°-60°)	12737.6	36.6	B5		
BH (60°-80°)	1543.8	4.4	B3/2500		G1/1800
BVH (80°-90°)	47.2	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°	6262.9	6262.9	6262.9	6262.9	6262.9	6262.9	6262.9	6262.9	6262.9	6262.9	6262.9
2.5°	6249.1	6249.1	6260.1	6273.9	6276.6	6304.2	6298.6	6287.6	6282.1	6271.1	6295.9
5°	6317.9	6320.7	6328.9	6337.2	6331.7	6353.7	6345.4	6331.7	6323.4	6309.7	6334.4
7.5°	6408.8	6408.8	6417.0	6428.0	6422.5	6455.6	6439.0	6419.8	6406.0	6389.5	6411.5
10°	6491.4	6496.9	6505.1	6527.1	6538.2	6573.9	6562.9	6535.4	6513.4	6494.1	6518.9
12.5°	6615.2	6620.7	6629.0	6659.3	6678.6	6714.3	6697.8	6659.3	6626.2	6598.7	6626.2
15°	6774.9	6769.4	6791.4	6830.0	6854.7	6887.8	6868.5	6802.4	6758.4	6722.6	6750.1
17.5°	6937.3	6934.6	6956.6	7006.1	7041.9	7086.0	7052.9	6975.9	6929.1	6885.0	6912.5
20°	7113.5	7121.8	7143.8	7190.6	7242.9	7300.7	7273.2	7190.6	7138.3	7088.7	7110.8
22.5°	7331.0	7333.7	7358.5	7419.1	7487.9	7543.0	7526.4	7424.6	7358.5	7306.2	7333.7
25°	7592.5	7589.8	7622.8	7694.4	7790.7	7845.8	7810.0	7697.1	7625.6	7565.0	7587.0
27.5°	7892.6	7889.8	7939.4	8033.0	8170.6	8247.7	8173.4	8033.0	7933.9	7848.5	7867.8
30°	8269.7	8261.5	8316.5	8443.2	8622.1	8751.5	8641.4	8445.9	8316.5	8225.7	8245.0
32.5°	8688.2	8699.2	8768.0	8938.7	9164.4	9332.4	9167.2	8949.7	8776.3	8644.1	8666.1
35°	9147.9	9147.9	9288.3	9500.3	9822.4	10045.4	9789.3	9475.5	9244.3	9062.6	9068.1
37.5°	9659.9	9665.5	9849.9	10141.7	10562.9	10824.4	10477.6	10089.4	9808.6	9613.1	9602.1
40°	10284.9	10301.4	10491.3	10816.2	11289.7	11529.2	11157.5	10777.6	10491.3	10260.1	10238.1
42.5°	10989.6	10995.1	11196.1	11487.9	11887.1	12030.2	11738.4	11427.3	11193.3	10984.1	10962.1
45°	11661.3	11647.5	11821.0	12038.5	12269.7	12283.5	12121.0	11994.4	11790.7	11611.8	11578.7
47.5°	12184.4	12173.4	12330.3	12448.6	12476.2	12341.3	12393.6	12412.9	12176.1	11933.8	11870.5
50°	12503.7	12525.7	12674.4	12740.5	12578.0	12357.8	12556.0	12506.5	12167.8	11851.3	11749.4
52.5°	12696.4	12729.4	12988.2	13156.1	12988.2	12779.0	12806.5	12514.7	12027.4	11609.0	11476.9
55°	12209.1	12341.3	12900.1	13643.4	13918.7	13772.8	13249.7	12498.2	11595.2	10986.8	10874.0
57.5°	9048.8	9258.0	10086.6	11697.1	13370.9	13902.2	12374.3	10477.6	9109.4	8327.5	8261.5
60°	4619.4	4853.4	5516.8	7171.3	9324.1	10072.9	8619.4	6708.8	5332.4	4699.2	4627.6
62.5°	1885.7	1924.3	2141.8	2780.4	4121.1	4754.3	4176.2	2931.8	2202.3	2028.9	2031.6
65°	1483.8	1492.1	1481.1	1519.6	1726.1	1916.0	1770.1	1555.4	1516.9	1536.1	1522.4
67.5°	1293.9	1296.6	1288.4	1288.4	1296.6	1288.4	1304.9	1313.1	1318.6	1340.7	1326.9
70°	1081.9	1084.6	1084.6	1090.2	1087.4	1073.6	1098.4	1109.4	1112.2	1125.9	1117.7
72.5°	836.9	845.1	850.6	853.4	850.6	842.4	856.2	875.4	872.7	886.4	872.7
75°	567.1	578.1	583.6	594.6	591.9	591.9	608.4	616.7	608.4	619.4	608.4
77.5°	322.1	330.3	346.9	357.9	368.9	377.1	388.2	393.7	390.9	396.4	390.9
80°	187.2	190.0	203.7	209.2	223.0	236.7	247.8	253.3	256.0	258.8	256.0
82.5°	107.4	110.1	115.6	121.1	132.1	143.2	154.2	162.4	162.4	165.2	162.4
85°	52.3	52.3	55.1	57.8	63.3	71.6	79.8	88.1	90.8	90.8	90.8
87.5°	8.3	8.3	11.0	11.0	13.8	16.5	22.0	27.5	30.3	30.3	30.3
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)