

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: P643630

Luminaire Tested: GWS-SA6F-735-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643630
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6F-735-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41457 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

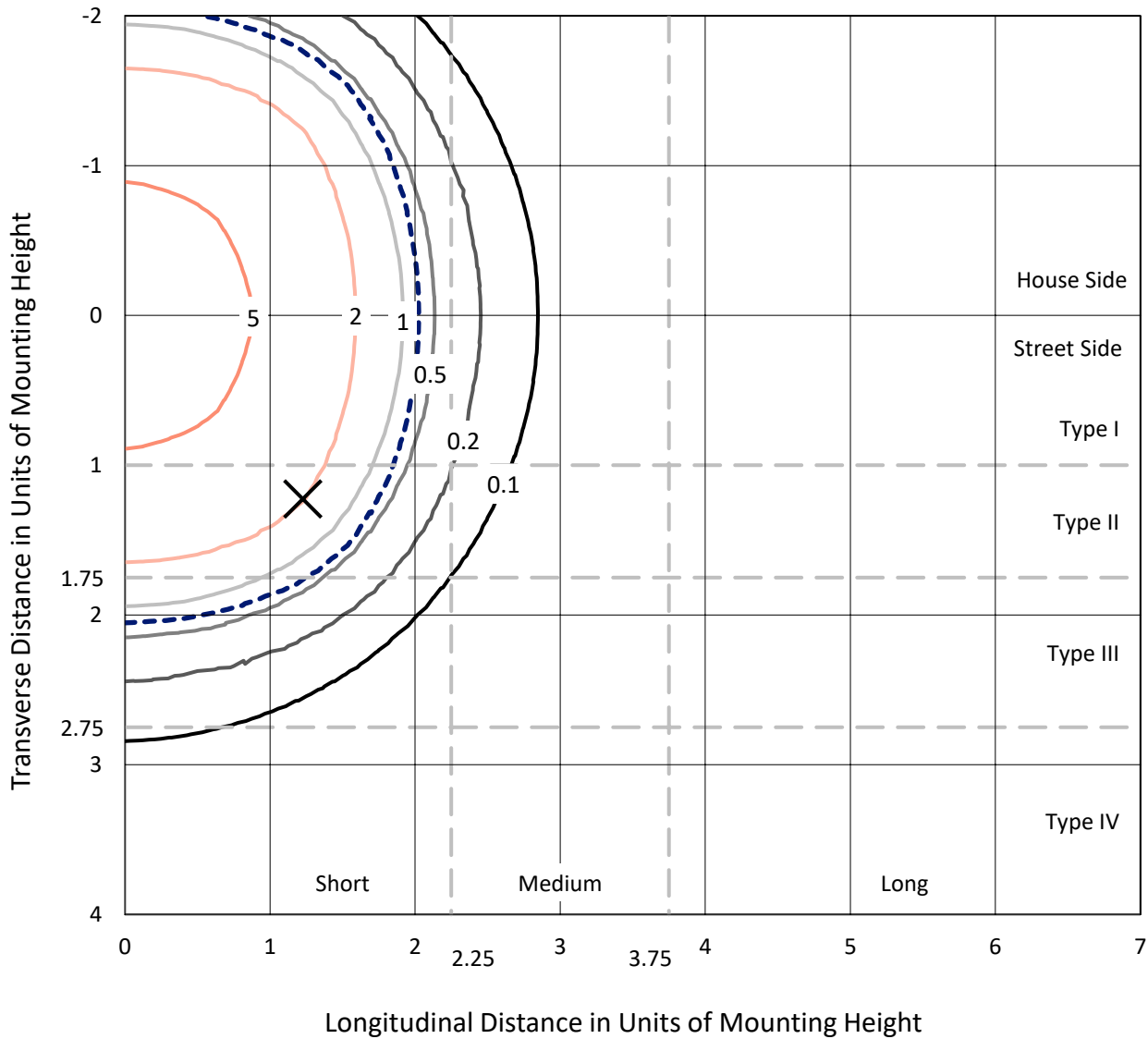
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

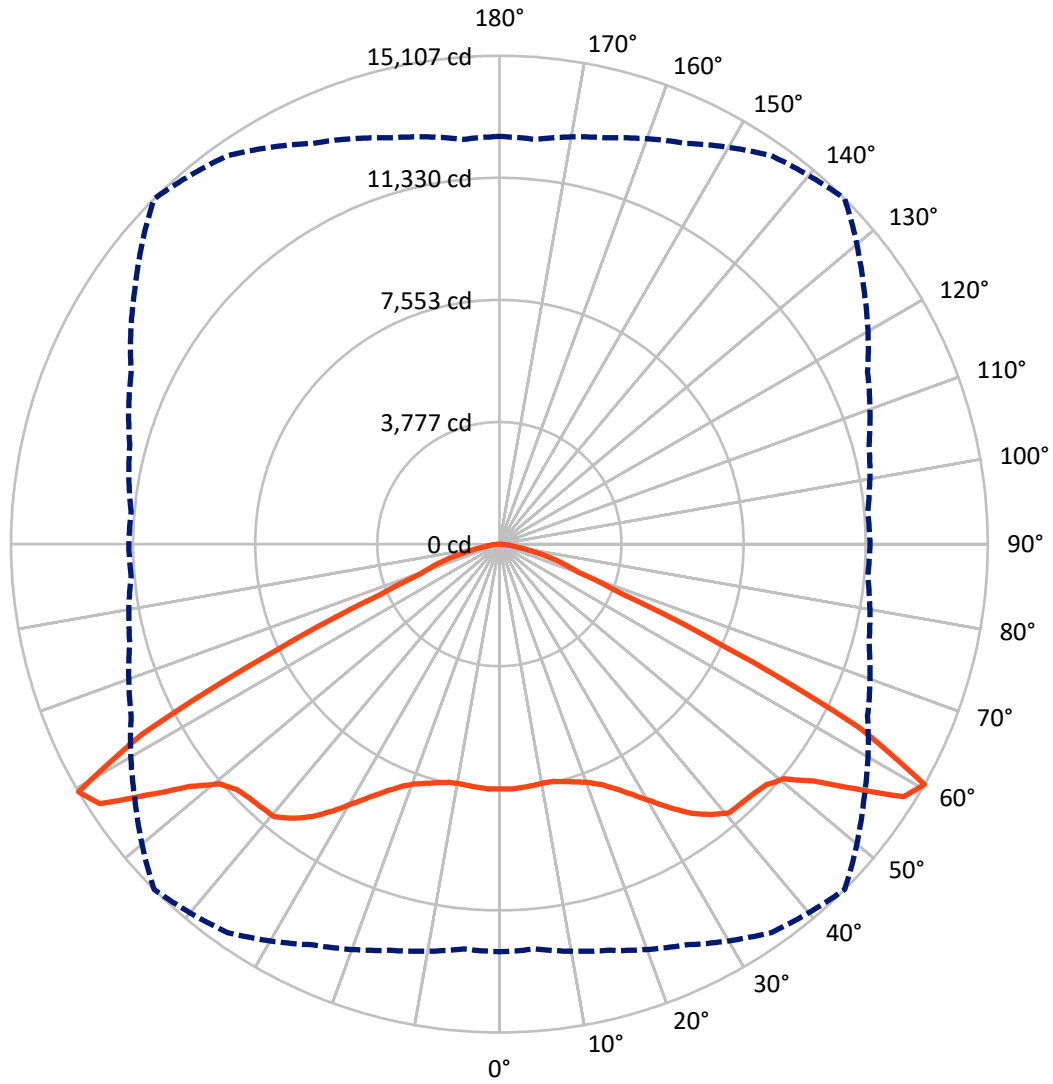
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20728.5	0.0	20728.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20728.5	0.0	20728.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	41457.0	0.0	41457.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	718.5	1.7
10°-20°	2161.1	5.2
20°-30°	3823.4	9.2
30°-40°	6155.7	14.8
40°-50°	8460.9	20.4
50°-60°	11275.1	27.2
60°-70°	7027.1	17.0
70°-80°	1615.9	3.9
80°-90°	219.2	0.5
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°	41457.0	100.0
0°-180°	41457.0	100.0

Coefficient of Utilization



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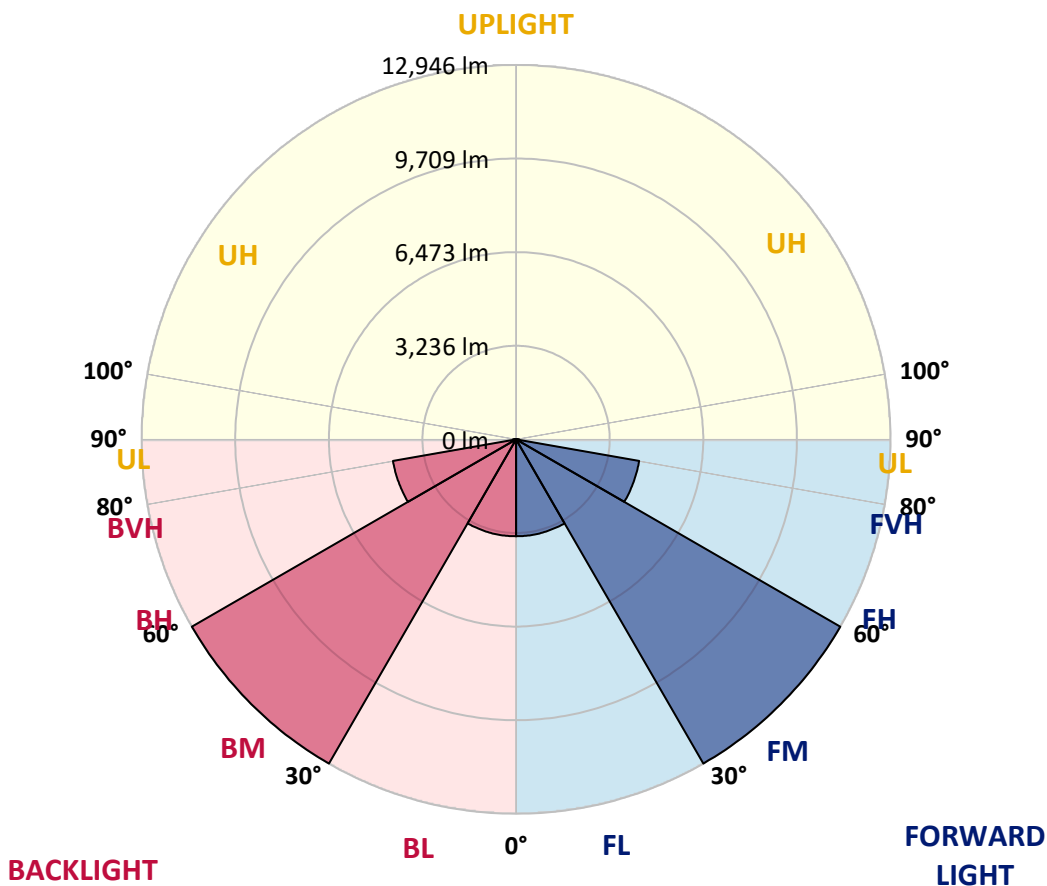
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3351.5	8.1			
FM (30°-60°)	12945.9	31.2			
FH (60°-80°)	4321.5	10.4			G2/5000
FVH (80°-90°)	109.6	0.3			G2/225
BL (0°-30°)	3351.5	8.1	B4/5000		
BM (30°-60°)	12945.9	31.2	B5		
BH (60°-80°)	4321.5	10.4	B4/5000		G2/5000
BVH (80°-90°)	109.6	0.3			G2/225
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°	7576.2	7576.2	7576.2	7576.2	7576.2	7576.2	7576.2	7576.2	7576.2	7576.2	7576.2
2.5°	7523.4	7530.5	7544.5	7555.1	7569.2	7583.2	7590.3	7576.2	7569.2	7541.0	7572.7
5°	7530.5	7537.5	7548.1	7548.1	7551.6	7562.1	7562.1	7544.5	7526.9	7495.3	7530.5
7.5°	7519.9	7526.9	7530.5	7526.9	7530.5	7534.0	7526.9	7505.8	7488.2	7460.1	7488.2
10°	7502.3	7509.3	7516.4	7509.3	7502.3	7512.9	7512.9	7498.8	7488.2	7460.1	7491.8
12.5°	7541.0	7551.6	7555.1	7537.5	7530.5	7534.0	7534.0	7519.9	7519.9	7495.3	7530.5
15°	7632.5	7639.5	7629.0	7607.9	7611.4	7622.0	7597.3	7562.1	7555.1	7544.5	7572.7
17.5°	7702.9	7709.9	7699.4	7685.3	7709.9	7734.6	7688.8	7622.0	7600.8	7593.8	7625.5
20°	7780.3	7790.9	7776.8	7794.4	7843.6	7871.8	7815.5	7724.0	7681.8	7671.2	7709.9
22.5°	7907.0	7921.1	7921.1	7959.8	8033.7	8079.4	8009.0	7885.9	7822.5	7804.9	7843.6
25°	8107.6	8118.1	8128.7	8206.1	8325.7	8389.1	8276.5	8107.6	8019.6	7991.4	8012.6
27.5°	8385.6	8403.2	8420.7	8533.4	8681.1	8772.6	8610.8	8399.6	8290.5	8234.2	8276.5
30°	8716.3	8741.0	8783.2	8909.9	9117.5	9219.5	9011.9	8755.0	8631.9	8572.1	8628.4
32.5°	9166.8	9170.3	9201.9	9342.7	9617.2	9733.3	9472.9	9187.9	9061.2	8990.8	9022.5
35°	9701.6	9705.1	9655.9	9800.2	10095.7	10225.9	9919.8	9631.2	9525.7	9504.6	9585.5
37.5°	10250.6	10218.9	10169.6	10233.0	10532.1	10616.5	10292.8	10046.5	10000.7	10039.4	10159.1
40°	10641.2	10588.4	10489.9	10535.6	10838.2	10936.8	10591.9	10359.7	10345.6	10440.6	10584.9
42.5°	10894.5	10838.2	10722.1	10722.1	10929.7	10972.0	10704.5	10581.4	10613.0	10722.1	10859.3
45°	11017.7	10986.0	10919.2	10884.0	11000.1	11017.7	10813.6	10764.3	10824.2	10876.9	10982.5
47.5°	11112.7	11112.7	11091.6	11056.4	11109.2	11119.7	10968.4	10954.4	11031.8	11031.8	11102.2
50°	11281.6	11299.2	11327.4	11320.3	11376.6	11411.8	11299.2	11278.1	11309.8	11207.7	11242.9
52.5°	11725.0	11770.7	11851.7	11915.0	12059.3	12168.4	11967.8	11798.9	11633.5	11408.3	11415.3
55°	12520.3	12541.4	12699.7	12886.2	13129.0	13350.7	12939.0	12414.7	12055.8	11791.9	11795.4
57.5°	13192.4	13224.1	13456.3	13846.9	14392.3	14737.2	13825.8	12949.6	12442.9	12119.1	12129.7
60°	12611.8	12569.5	13009.4	13678.0	14666.8	15106.7	13762.4	12566.0	11837.6	11436.4	11464.6
62.5°	9757.9	9677.0	10166.1	10866.4	12052.3	12492.1	11253.5	10106.3	9416.6	9103.4	9057.7
65°	5939.9	5866.0	6217.9	6647.2	7449.5	7727.5	7161.0	6552.2	5950.5	5760.5	5707.7
67.5°	3233.9	3223.3	3318.3	3529.5	3881.4	4011.6	3902.5	3613.9	3459.1	3325.4	3325.4
70°	2565.3	2544.2	2526.6	2530.1	2561.8	2579.4	2582.9	2568.8	2586.4	2589.9	2575.8
72.5°	2125.4	2118.4	2083.2	2086.7	2072.6	2065.6	2090.2	2104.3	2132.5	2136.0	2136.0
75°	1541.3	1523.7	1541.3	1544.8	1530.7	1530.7	1548.3	1544.8	1558.9	1565.9	1527.2
77.5°	876.2	876.2	900.8	929.0	950.1	950.1	967.7	967.7	985.3	981.8	974.7
80°	482.1	482.1	496.2	513.8	534.9	556.0	573.6	577.1	587.7	584.1	573.6
82.5°	274.5	278.0	285.0	295.6	316.7	334.3	351.9	355.4	366.0	366.0	355.4
85°	130.2	126.7	130.2	137.2	147.8	161.9	179.5	190.0	197.1	197.1	190.0
87.5°	24.6	28.2	24.6	28.2	31.7	42.2	49.3	56.3	66.9	70.4	63.3
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)