

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: P643624

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643624
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-SA6F-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42980.8 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

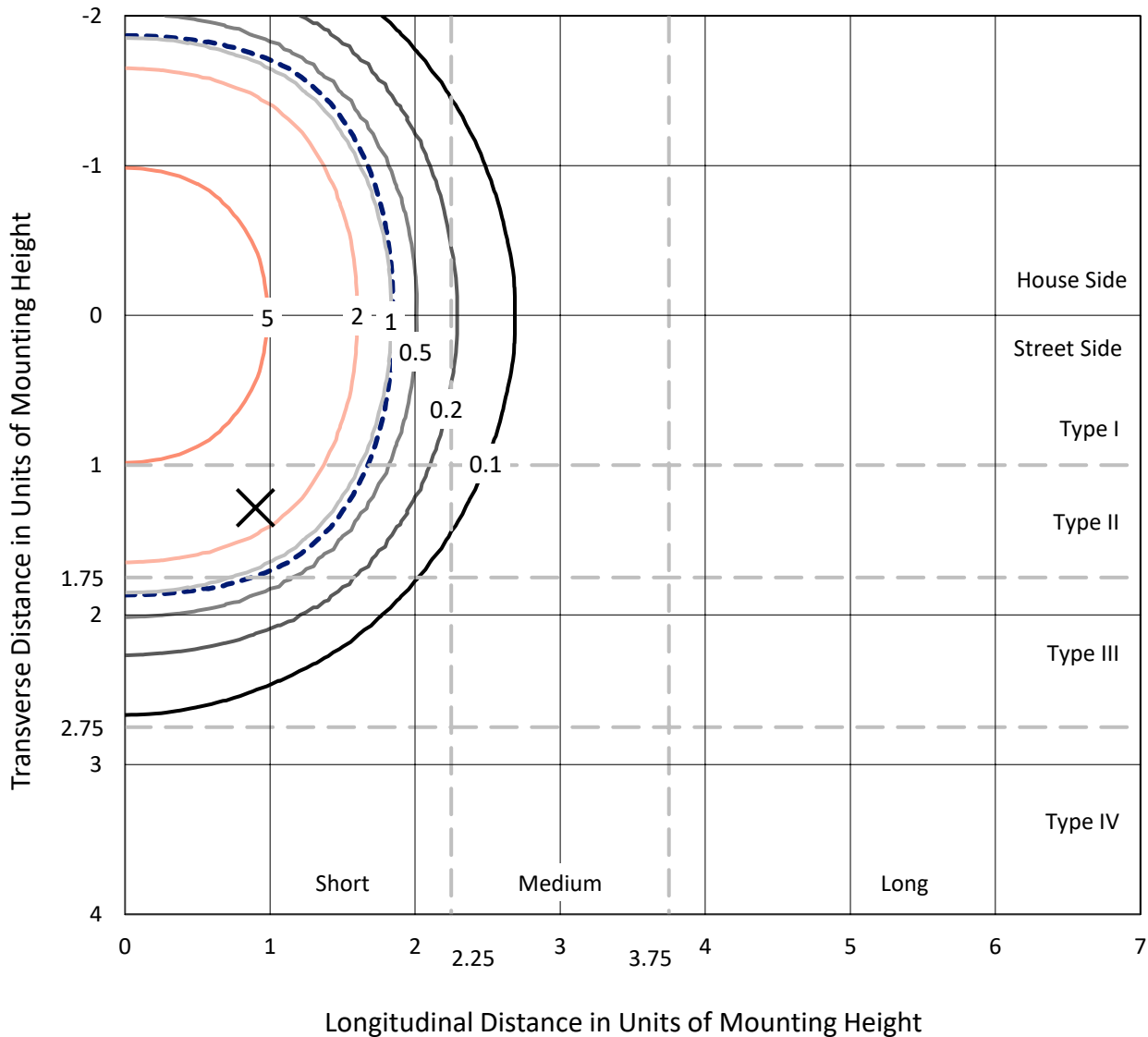
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P643624
 CATALOG NUMBER: GWS-SA6F-735-U-5MQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

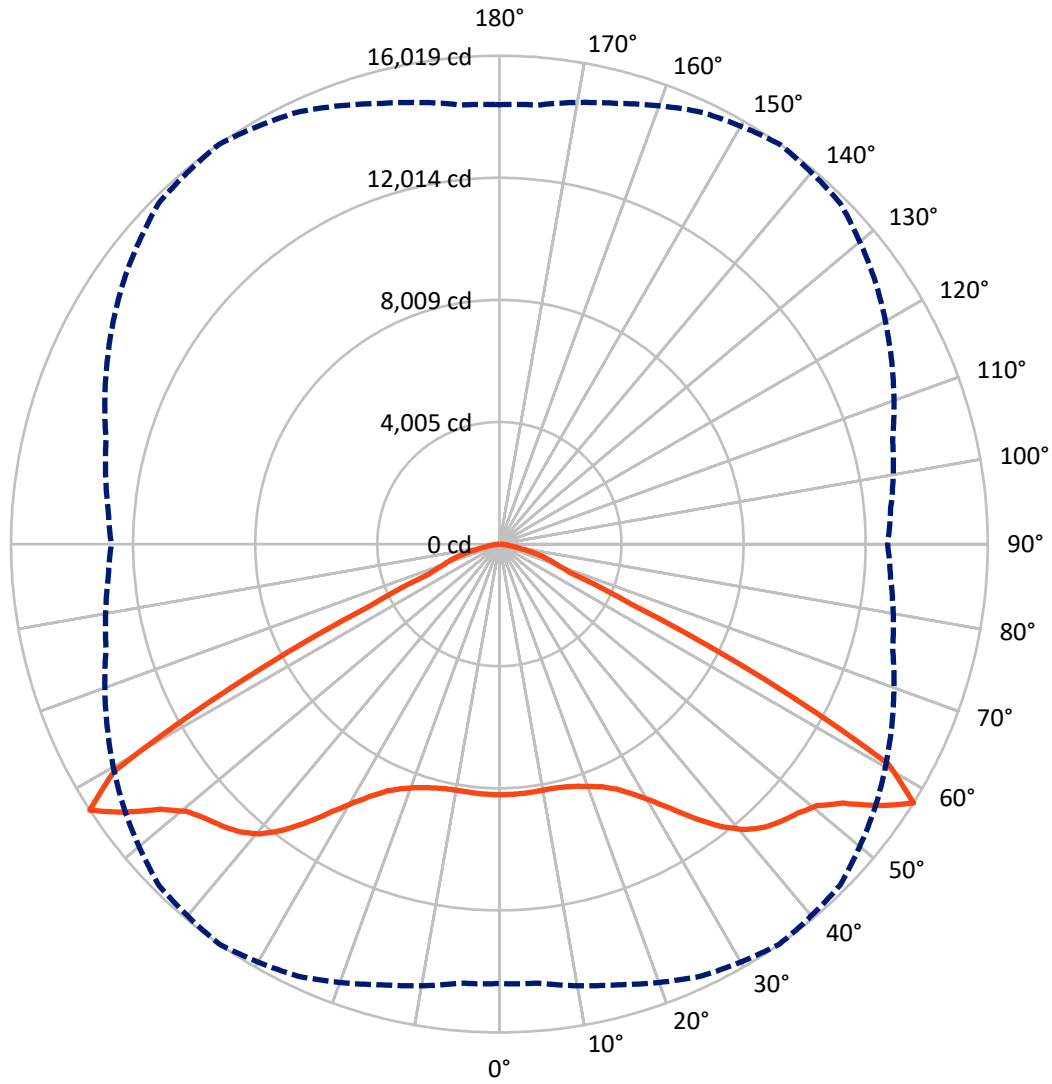
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.1 fc
 Type V - Short - N/A

REPORT NUMBER: P643624
CATALOG NUMBER: GWS-SA6F-735-U-5MQ-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P643624

CATALOG NUMBER: GWS-SA6F-735-U-5MQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21490.4	0.0	21490.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21490.4	0.0	21490.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	42980.8	0.0	42980.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	782.4	1.8
10°-20°	2334.2	5.4
20°-30°	4072.7	9.5
30°-40°	6678.3	15.5
40°-50°	9835.6	22.9
50°-60°	12552.0	29.2
60°-70°	5290.0	12.3
70°-80°	1263.7	2.9
80°-90°	172.0	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°	42980.8	100.0
0°-180°	42980.8	100.0

Coefficient of Utilization



REPORT NUMBER: P643624

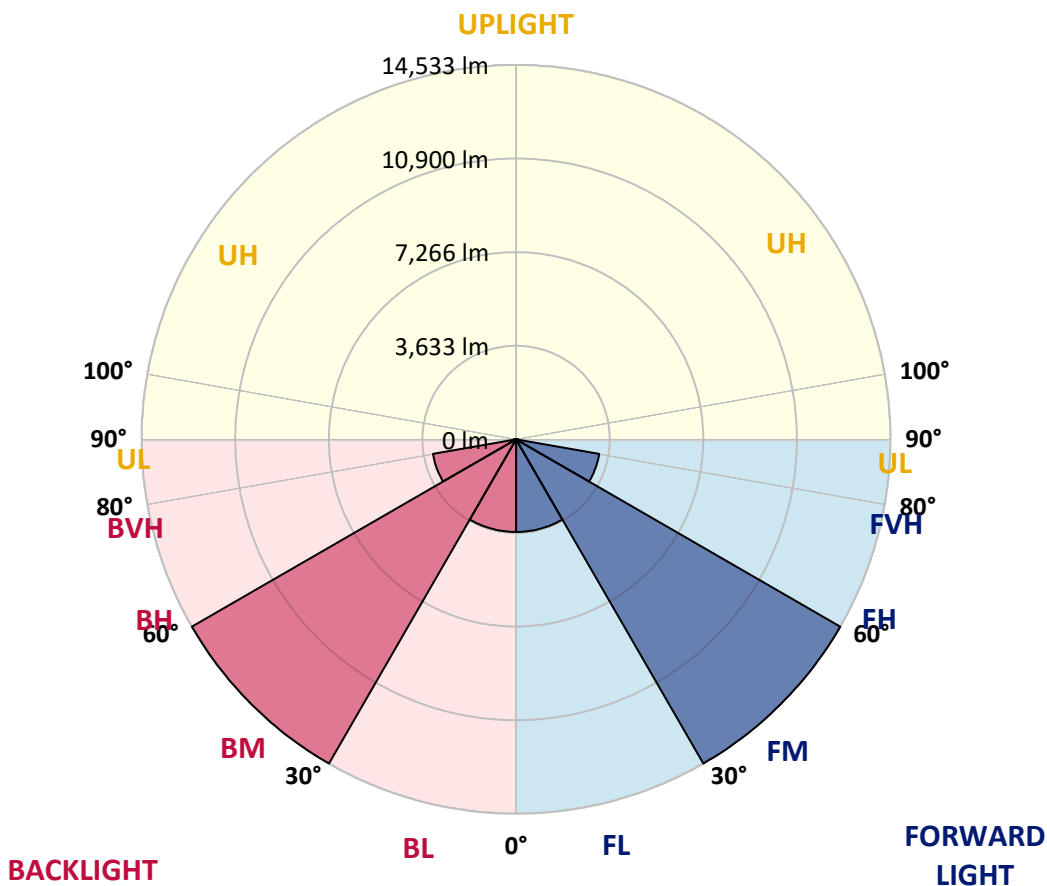
CATALOG NUMBER: GWS-SA6F-735-U-5MQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3594.6	8.4			
FM (30°-60°)	14533.0	33.8			
FH (60°-80°)	3276.8	7.6			G2/5000
FVH (80°-90°)	86.0	0.2			G1/100
BL (0°-30°)	3594.6	8.4	B4/5000		
BM (30°-60°)	14533.0	33.8	B5		
BH (60°-80°)	3276.8	7.6	B4/5000		G2/5000
BVH (80°-90°)	86.0	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





REPORT NUMBER: P643624

CATALOG NUMBER: GWS-SA6F-735-U-5MQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8223.9	8223.9	8223.9	8223.9	8223.9	8223.9	8223.9	8223.9	8223.9	8223.9	8223.9
2.5°	8174.6	8174.6	8192.2	8209.8	8216.8	8248.5	8245.0	8234.4	8227.4	8206.3	8234.4
5°	8192.2	8192.2	8206.3	8216.8	8213.3	8238.0	8227.4	8209.8	8199.3	8178.1	8209.8
7.5°	8188.7	8188.7	8199.3	8209.8	8202.8	8223.9	8206.3	8181.7	8164.1	8142.9	8171.1
10°	8142.9	8150.0	8160.5	8185.2	8195.7	8227.4	8202.8	8164.1	8135.9	8111.3	8139.4
12.5°	8135.9	8142.9	8157.0	8188.7	8206.3	8252.0	8220.4	8157.0	8114.8	8083.1	8111.3
15°	8167.6	8174.6	8195.7	8234.4	8262.6	8311.9	8266.1	8178.1	8118.3	8076.1	8100.7
17.5°	8206.3	8216.8	8248.5	8304.8	8350.6	8403.4	8347.0	8241.5	8157.0	8100.7	8121.8
20°	8248.5	8262.6	8311.9	8396.3	8480.8	8547.6	8477.3	8336.5	8234.4	8160.5	8181.7
22.5°	8322.4	8340.0	8403.4	8523.0	8649.7	8748.2	8660.2	8470.2	8336.5	8241.5	8259.1
25°	8473.7	8494.8	8575.8	8720.1	8899.5	9019.2	8896.0	8681.4	8494.8	8378.7	8396.3
27.5°	8741.2	8751.7	8857.3	9047.3	9269.0	9406.3	9258.5	9005.1	8797.5	8663.8	8677.8
30°	9093.1	9124.7	9230.3	9480.2	9744.1	9927.1	9733.5	9434.4	9195.1	9033.3	9047.3
32.5°	9522.4	9543.5	9701.9	9962.3	10342.3	10553.5	10289.5	9934.1	9645.6	9448.5	9462.6
35°	10085.4	10103.0	10254.3	10585.1	11046.1	11243.2	10940.5	10532.3	10198.0	10011.5	10064.3
37.5°	10757.6	10789.2	10898.3	11225.6	11739.4	11932.9	11584.5	11204.5	10856.1	10683.7	10722.4
40°	11479.0	11475.4	11563.4	11852.0	12320.0	12439.6	12126.4	11823.8	11524.7	11412.1	11475.4
42.5°	12098.3	12080.7	12144.0	12383.3	12707.1	12717.6	12510.0	12341.1	12130.0	12052.5	12112.4
45°	12531.1	12538.2	12633.2	12798.6	12964.0	12876.0	12812.6	12784.5	12619.1	12513.5	12524.1
47.5°	12872.5	12900.6	13051.9	13164.5	13185.7	13037.9	13125.8	13168.1	13030.8	12869.0	12823.2
50°	13175.1	13220.9	13417.9	13537.6	13491.8	13305.3	13477.7	13541.1	13238.4	12928.8	12837.3
52.5°	13724.1	13776.9	14016.1	14171.0	14118.2	13931.7	14093.6	13868.3	13358.1	12978.0	12861.9
55°	14600.3	14624.9	14917.0	15170.4	15145.7	14917.0	14786.8	14287.1	13667.8	13273.6	13164.5
57.5°	14413.8	14456.0	14962.8	15638.4	16018.5	15810.8	15047.2	14195.6	13354.6	12879.5	12731.7
60°	11341.7	11443.8	12073.7	13263.1	14656.6	14653.1	13234.9	11911.8	10898.3	10268.4	10205.1
62.5°	6622.7	6693.1	7266.7	8470.2	9719.5	9796.9	8801.0	7893.1	7006.3	6580.5	6376.4
65°	3135.4	3131.9	3360.6	3902.6	4747.1	4814.0	4514.9	4018.7	3494.4	3350.1	3311.4
67.5°	2315.5	2315.5	2297.9	2336.6	2498.5	2533.7	2498.5	2417.5	2368.3	2400.0	2378.8
70°	2009.3	2012.9	1991.7	1981.2	1981.2	1970.6	1984.7	2016.4	2037.5	2079.7	2058.6
72.5°	1629.3	1632.8	1632.8	1636.3	1639.9	1625.8	1646.9	1664.5	1668.0	1682.1	1668.0
75°	1157.7	1164.8	1185.9	1203.5	1217.6	1217.6	1224.6	1228.1	1214.1	1231.6	1203.5
77.5°	636.9	644.0	682.7	714.4	746.0	749.5	760.1	767.1	760.1	774.2	753.1
80°	351.9	358.9	376.5	390.6	415.2	436.4	450.4	457.5	457.5	468.0	457.5
82.5°	200.6	207.6	218.2	225.2	246.3	263.9	278.0	288.6	288.6	292.1	285.0
85°	95.0	95.0	102.1	109.1	119.6	126.7	144.3	154.8	154.8	161.9	154.8
87.5°	14.1	17.6	21.1	21.1	28.2	35.2	42.2	45.7	52.8	56.3	56.3
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)