

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: P643129

Luminaire Tested: GWS-SA6E-735-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643129
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-SAGE-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: 38658.1 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

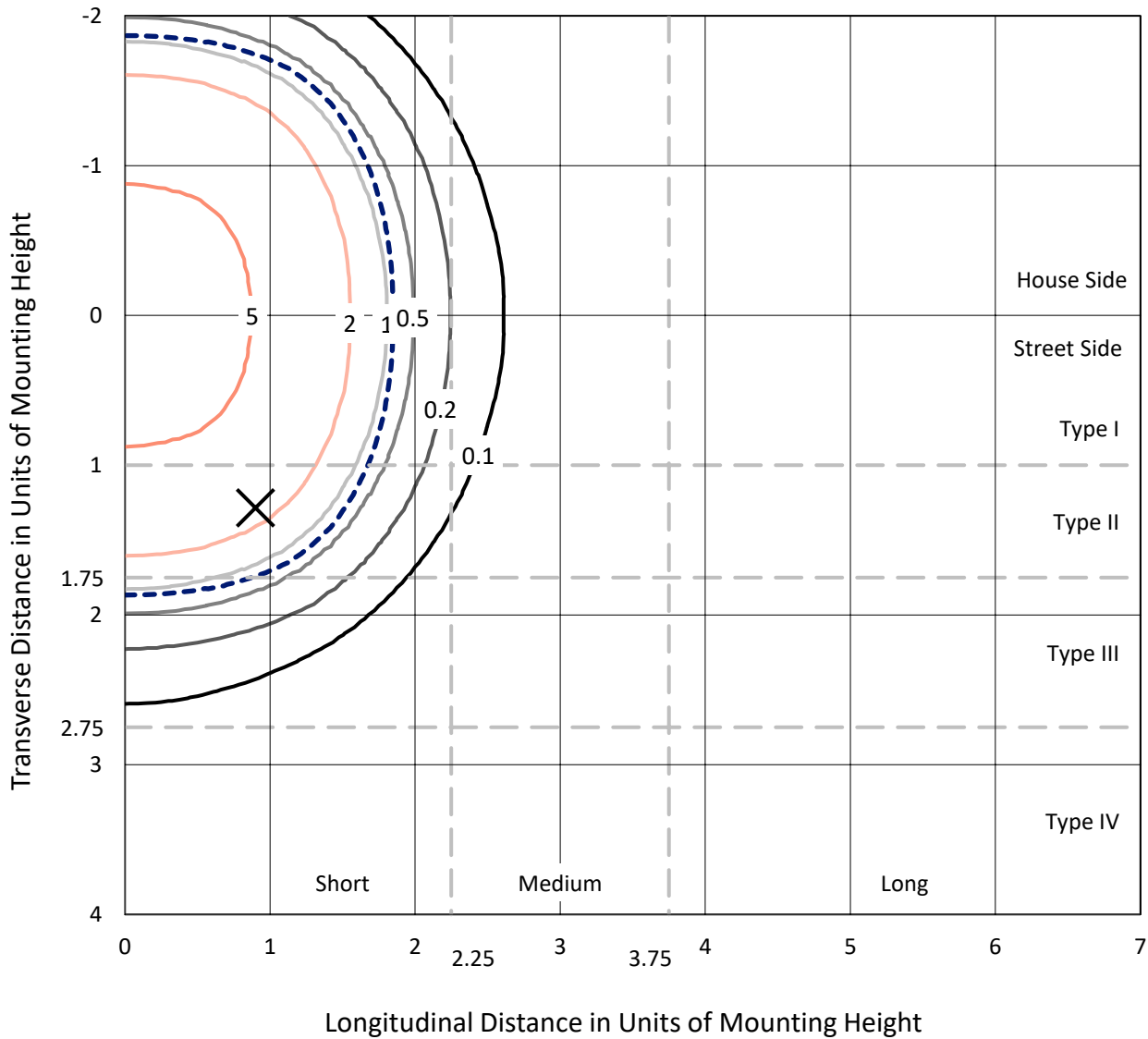
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P643129
 CATALOG NUMBER: GWS-SA6E-735-U-5MQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

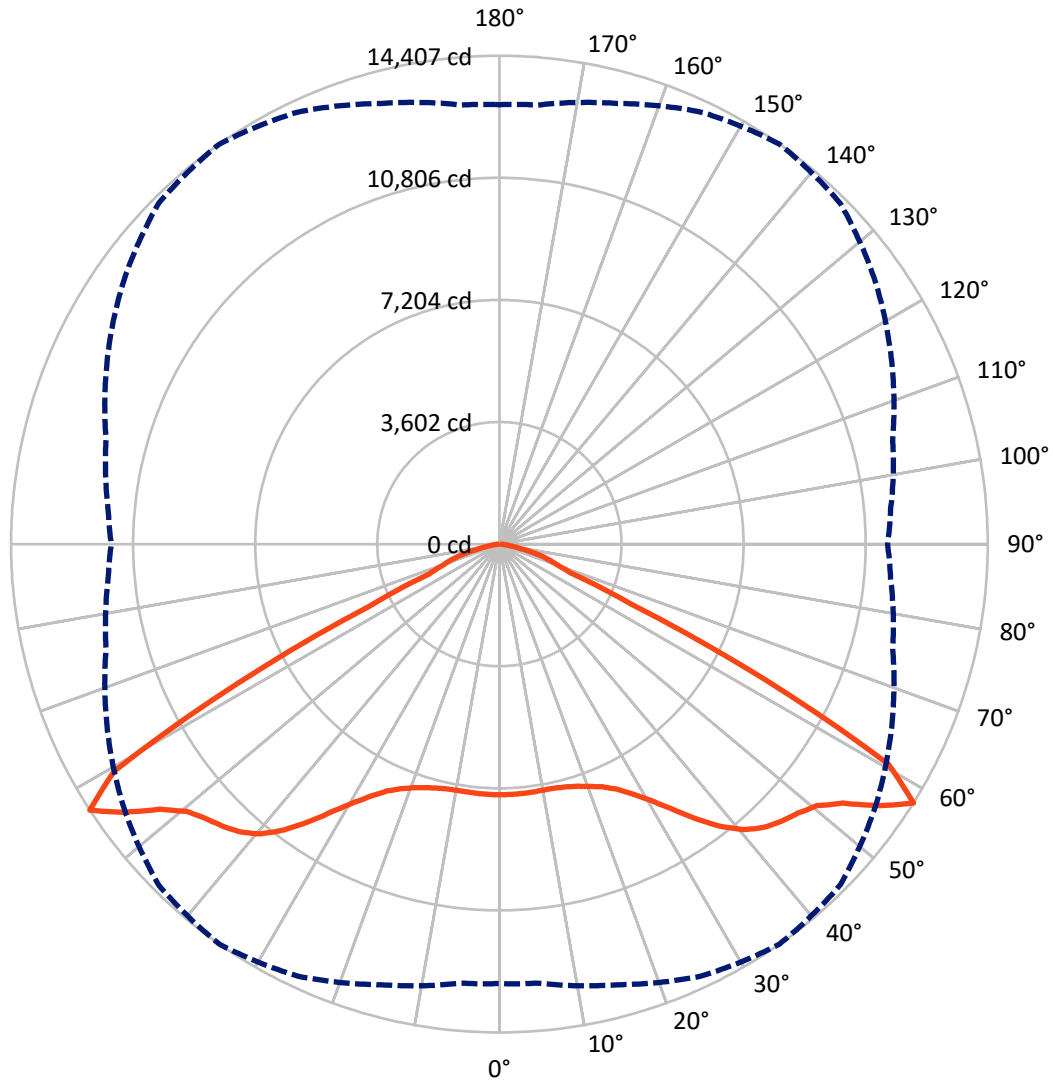
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.2 fc
 Type V - Short - N/A

REPORT NUMBER: P643129
CATALOG NUMBER: GWS-SA6E-735-U-5MQ-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P643129

CATALOG NUMBER: GWS-SA6E-735-U-5MQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19329.1	0.0	19329.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19329.1	0.0	19329.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	38658.1	0.0	38658.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	703.7	1.8
10°-20°	2099.4	5.4
20°-30°	3663.1	9.5
30°-40°	6006.7	15.5
40°-50°	8846.4	22.9
50°-60°	11289.6	29.2
60°-70°	4757.9	12.3
70°-80°	1136.6	2.9
80°-90°	154.7	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°	38658.1	100.0
0°-180°	38658.1	100.0

Coefficient of Utilization



REPORT NUMBER: P643129

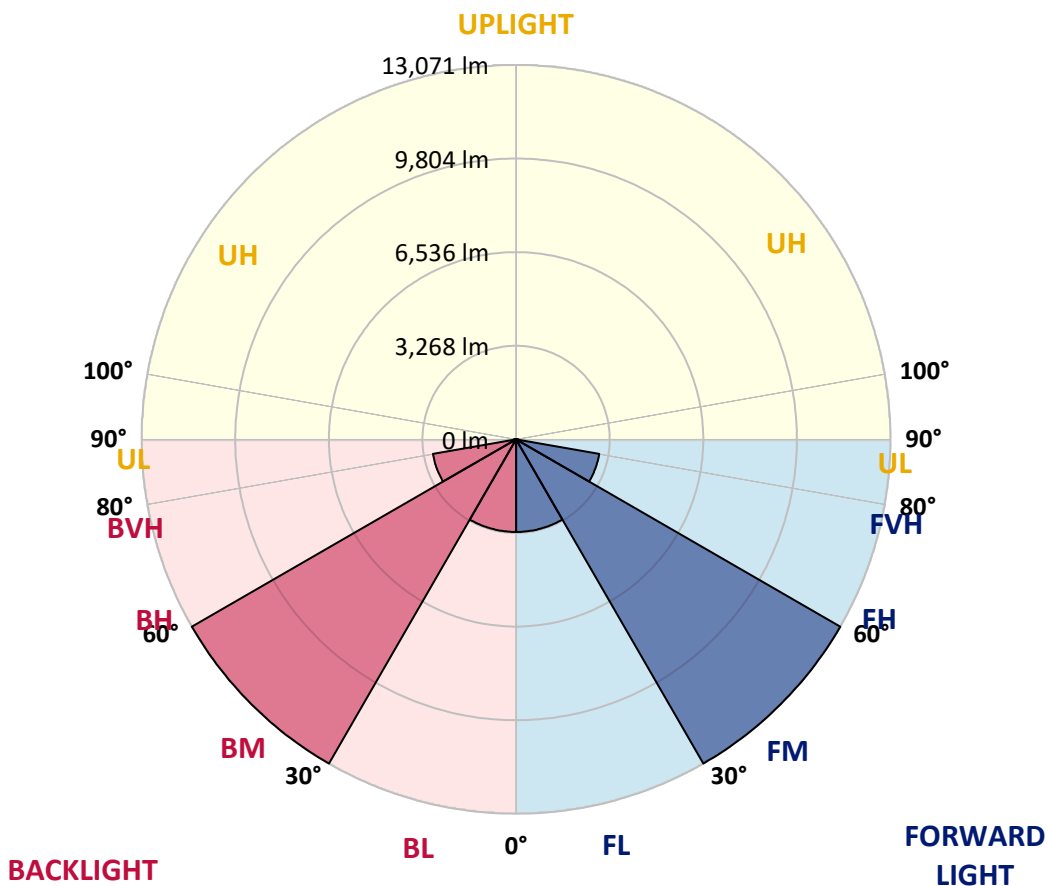
CATALOG NUMBER: GWS-SA6E-735-U-5MQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3233.1	8.4			
FM (30°-60°)	13071.4	33.8			
FH (60°-80°)	2947.3	7.6			G2/5000
FVH (80°-90°)	77.3	0.2			G1/100
BL (0°-30°)	3233.1	8.4	B4/5000		
BM (30°-60°)	13071.4	33.8	B5		
BH (60°-80°)	2947.3	7.6	B4/5000		G2/5000
BVH (80°-90°)	77.3	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: P643129

CATALOG NUMBER: GWS-SA6E-735-U-5MQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7396.8	7396.8	7396.8	7396.8	7396.8	7396.8	7396.8	7396.8	7396.8	7396.8	7396.8
2.5°	7352.5	7352.5	7368.3	7384.1	7390.5	7418.9	7415.8	7406.3	7400.0	7381.0	7406.3
5°	7368.3	7368.3	7381.0	7390.5	7387.3	7409.4	7400.0	7384.1	7374.6	7355.6	7384.1
7.5°	7365.1	7365.1	7374.6	7384.1	7377.8	7396.8	7381.0	7358.8	7343.0	7324.0	7349.3
10°	7324.0	7330.3	7339.8	7362.0	7371.5	7400.0	7377.8	7343.0	7317.7	7295.5	7320.8
12.5°	7317.7	7324.0	7336.6	7365.1	7381.0	7422.1	7393.6	7336.6	7298.7	7270.2	7295.5
15°	7346.1	7352.5	7371.5	7406.3	7431.6	7475.9	7434.8	7355.6	7301.8	7263.9	7286.0
17.5°	7381.0	7390.5	7418.9	7469.6	7510.7	7558.2	7507.6	7412.6	7336.6	7286.0	7305.0
20°	7418.9	7431.6	7475.9	7551.9	7627.8	7688.0	7624.7	7498.1	7406.3	7339.8	7358.8
22.5°	7485.4	7501.2	7558.2	7665.8	7779.8	7868.4	7789.3	7618.3	7498.1	7412.6	7428.4
25°	7621.5	7640.5	7713.3	7843.1	8004.5	8112.1	8001.3	7808.2	7640.5	7536.0	7551.9
27.5°	7862.1	7871.5	7966.5	8137.4	8336.8	8460.3	8327.3	8099.4	7912.7	7792.4	7805.1
30°	8178.6	8207.0	8302.0	8526.7	8764.1	8928.7	8754.6	8485.6	8270.3	8124.8	8137.4
32.5°	8564.7	8583.7	8726.1	8960.3	9302.2	9492.1	9254.7	8935.0	8675.5	8498.2	8510.9
35°	9071.1	9086.9	9223.0	9520.6	9935.2	10112.4	9840.2	9473.1	9172.4	9004.6	9052.1
37.5°	9675.6	9704.1	9802.2	10096.6	10558.7	10732.8	10419.4	10077.6	9764.3	9609.2	9644.0
40°	10324.5	10321.3	10400.4	10660.0	11080.9	11188.5	10906.9	10634.7	10365.6	10264.3	10321.3
42.5°	10881.5	10865.7	10922.7	11137.9	11429.1	11438.6	11251.8	11099.9	10910.0	10840.4	10894.2
45°	11270.8	11277.2	11362.6	11511.4	11660.1	11581.0	11524.0	11498.7	11350.0	11255.0	11264.5
47.5°	11577.9	11603.2	11739.3	11840.6	11859.5	11726.6	11805.7	11843.7	11720.3	11574.7	11533.5
50°	11850.0	11891.2	12068.4	12176.1	12134.9	11967.2	12122.2	12179.2	11907.0	11628.5	11546.2
52.5°	12343.8	12391.3	12606.5	12745.8	12698.3	12530.5	12676.1	12473.6	12014.6	11672.8	11568.4
55°	13131.9	13154.1	13416.8	13644.6	13622.5	13416.8	13299.7	12850.2	12293.2	11938.7	11840.6
57.5°	12964.2	13002.1	13457.9	14065.6	14407.4	14220.7	13533.9	12767.9	12011.5	11584.2	11451.2
60°	10201.0	10292.8	10859.4	11929.2	13182.5	13179.4	11903.9	10713.8	9802.2	9235.7	9178.7
62.5°	5956.7	6020.0	6535.9	7618.3	8741.9	8811.6	7915.9	7099.3	6301.7	5918.7	5735.1
65°	2820.1	2816.9	3022.6	3510.1	4269.7	4329.8	4060.8	3614.5	3142.9	3013.2	2978.3
67.5°	2082.6	2082.6	2066.8	2101.6	2247.2	2278.9	2247.2	2174.4	2130.1	2158.6	2139.6
70°	1807.3	1810.4	1791.4	1781.9	1781.9	1772.4	1785.1	1813.6	1832.6	1870.6	1851.6
72.5°	1465.4	1468.6	1468.6	1471.8	1474.9	1462.3	1481.3	1497.1	1500.2	1512.9	1500.2
75°	1041.3	1047.6	1066.6	1082.5	1095.1	1095.1	1101.4	1104.6	1092.0	1107.8	1082.5
77.5°	572.9	579.2	614.0	642.5	671.0	674.2	683.7	690.0	683.7	696.3	677.3
80°	316.5	322.8	338.7	351.3	373.5	392.5	405.1	411.5	411.5	421.0	411.5
82.5°	180.4	186.7	196.2	202.6	221.6	237.4	250.0	259.5	259.5	262.7	256.4
85°	85.5	85.5	91.8	98.1	107.6	113.9	129.8	139.3	139.3	145.6	139.3
87.5°	12.7	15.8	19.0	19.0	25.3	31.7	38.0	41.1	47.5	50.6	50.6
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)