

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: P628779

Luminaire Tested: GWS-SA1A-735-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628779
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-SA1A-735-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2542.7 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

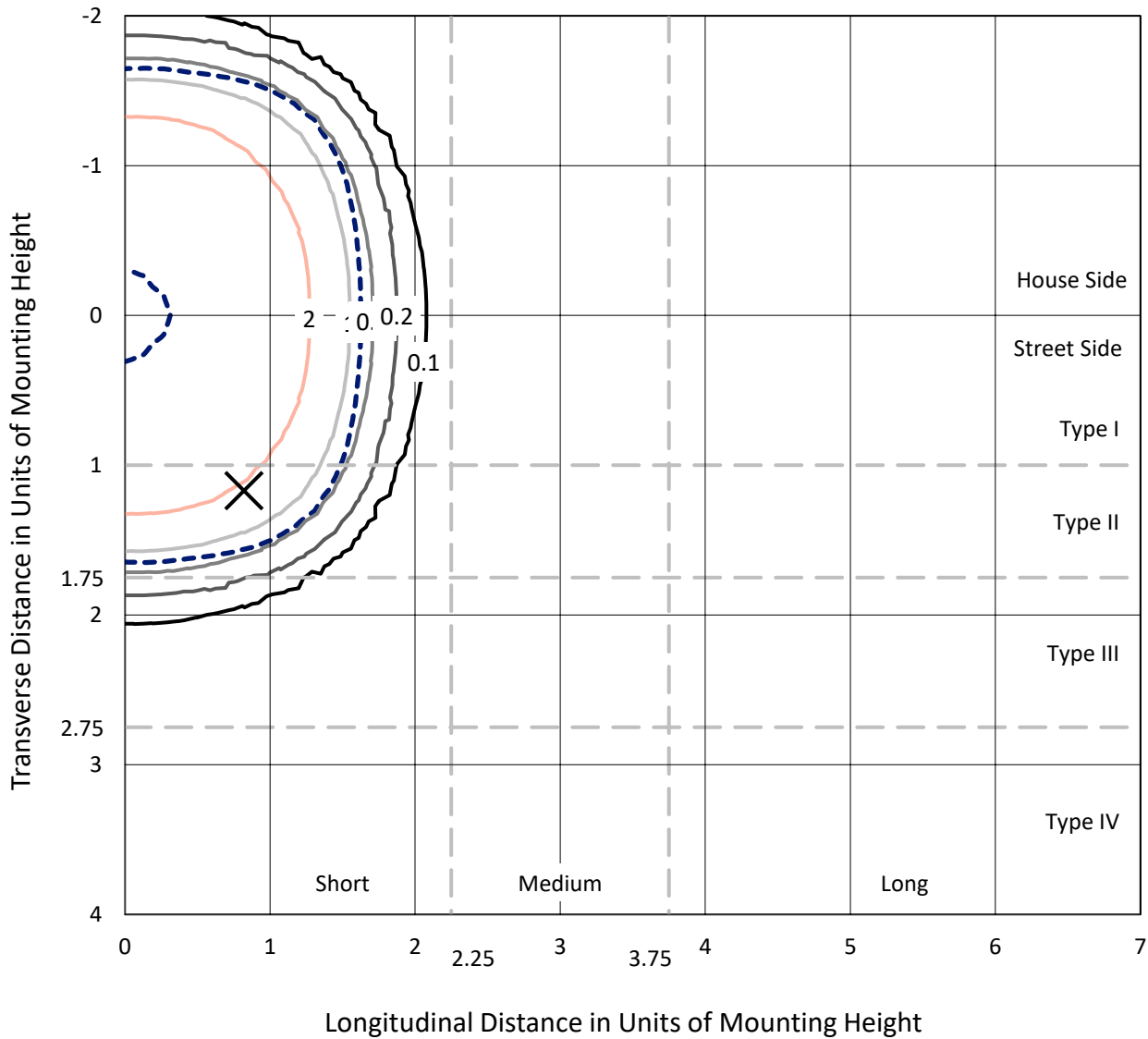
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P628779
 CATALOG NUMBER: GWS-SA1A-735-U-5NQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

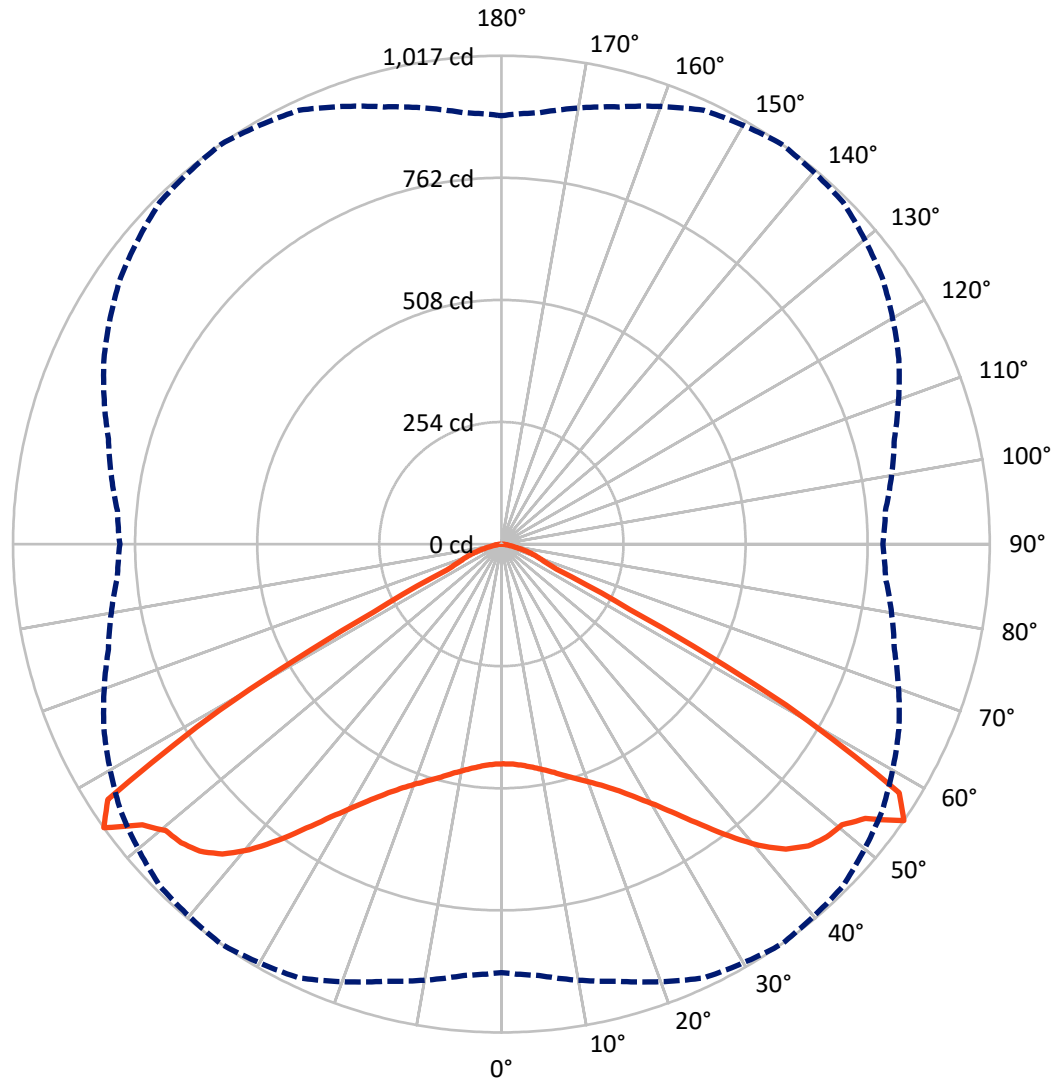
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - N/A

REPORT NUMBER: P628779
CATALOG NUMBER: GWS-SA1A-735-U-5NQ-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P628779

CATALOG NUMBER: GWS-SA1A-735-U-5NQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1271.3	0.0	1271.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1271.3	0.0	1271.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	2542.7	0.0	2542.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.6	1.8
10°-20°	142.1	5.6
20°-30°	262.9	10.3
30°-40°	439.8	17.3
40°-50°	670.2	26.4
50°-60°	750.7	29.5
60°-70°	177.6	7.0
70°-80°	47.9	1.9
80°-90°	6.9	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°	2542.7	100.0
0°-180°	2542.7	100.0

Coefficient of Utilization



REPORT NUMBER: P628779

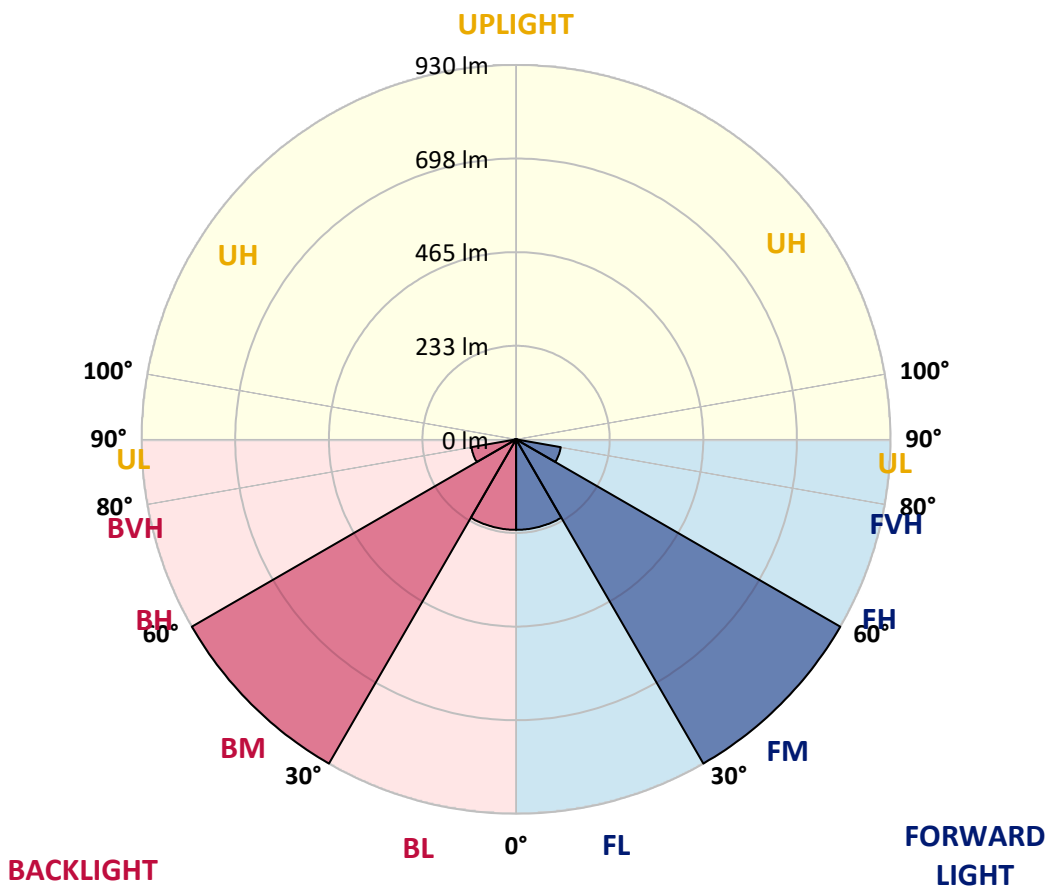
CATALOG NUMBER: GWS-SA1A-735-U-5NQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	224.8	8.8			
FM (30°-60°)	930.4	36.6			
FH (60°-80°)	112.7	4.4			G0/660
FVH (80°-90°)	3.4	0.1			G0/10
BL (0°-30°)	224.8	8.8	B1/500		
BM (30°-60°)	930.4	36.6	B1/1000		
BH (60°-80°)	112.7	4.4	B1/500		G0/660
BVH (80°-90°)	3.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type V Short





REPORT NUMBER: P628779

CATALOG NUMBER: GWS-SA1A-735-U-5NQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	457.4	457.4	457.4	457.4	457.4	457.4	457.4	457.4	457.4	457.4	457.4
2.5°	456.4	456.4	457.2	458.2	458.4	460.5	460.1	459.2	458.8	458.0	459.9
5°	461.5	461.7	462.3	462.9	462.5	464.1	463.5	462.5	461.9	460.9	462.7
7.5°	468.1	468.1	468.7	469.5	469.1	471.5	470.3	468.9	467.9	466.7	468.3
10°	474.1	474.5	475.1	476.7	477.5	480.2	479.4	477.3	475.7	474.3	476.1
12.5°	483.2	483.6	484.2	486.4	487.8	490.4	489.2	486.4	484.0	482.0	484.0
15°	494.8	494.4	496.0	498.9	500.7	503.1	501.7	496.8	493.6	491.0	493.0
17.5°	506.7	506.5	508.1	511.7	514.3	517.6	515.1	509.5	506.1	502.9	504.9
20°	519.6	520.2	521.8	525.2	529.0	533.2	531.2	525.2	521.4	517.8	519.4
22.5°	535.5	535.7	537.5	541.9	546.9	550.9	549.7	542.3	537.5	533.6	535.7
25°	554.6	554.4	556.8	562.0	569.0	573.1	570.4	562.2	557.0	552.5	554.2
27.5°	576.5	576.3	579.9	586.7	596.8	602.4	597.0	586.7	579.5	573.3	574.7
30°	604.0	603.4	607.4	616.7	629.8	639.2	631.2	616.9	607.4	600.8	602.2
32.5°	634.6	635.4	640.4	652.9	669.4	681.6	669.6	653.7	641.0	631.4	633.0
35°	668.2	668.2	678.4	693.9	717.4	733.7	715.0	692.1	675.2	661.9	662.3
37.5°	705.6	706.0	719.4	740.7	771.5	790.6	765.3	736.9	716.4	702.1	701.3
40°	751.2	752.4	766.3	790.0	824.6	842.1	814.9	787.2	766.3	749.4	747.8
42.5°	802.7	803.1	817.8	839.1	868.2	878.7	857.4	834.6	817.6	802.3	800.7
45°	851.7	850.7	863.4	879.3	896.2	897.2	885.3	876.1	861.2	848.1	845.7
47.5°	889.9	889.1	900.6	909.2	911.3	901.4	905.2	906.6	889.3	871.6	867.0
50°	913.3	914.9	925.7	930.6	918.7	902.6	917.1	913.5	888.7	865.6	858.2
52.5°	927.3	929.8	948.7	960.9	948.7	933.4	935.4	914.1	878.5	847.9	838.3
55°	891.8	901.4	942.2	996.5	1016.6	1006.0	967.8	912.9	846.9	802.5	794.2
57.5°	660.9	676.2	736.7	854.4	976.6	1015.4	903.8	765.3	665.3	608.2	603.4
60°	337.4	354.5	402.9	523.8	681.0	735.7	629.6	490.0	389.5	343.2	338.0
62.5°	137.7	140.5	156.4	203.1	301.0	347.3	305.0	214.1	160.9	148.2	148.4
65°	108.4	109.0	108.2	111.0	126.1	139.9	129.3	113.6	110.8	112.2	111.2
67.5°	94.5	94.7	94.1	94.1	94.7	94.1	95.3	95.9	96.3	97.9	96.9
70°	79.0	79.2	79.2	79.6	79.4	78.4	80.2	81.0	81.2	82.2	81.6
72.5°	61.1	61.7	62.1	62.3	62.1	61.5	62.5	63.9	63.7	64.7	63.7
75°	41.4	42.2	42.6	43.4	43.2	43.2	44.4	45.0	44.4	45.2	44.4
77.5°	23.5	24.1	25.3	26.1	26.9	27.5	28.4	28.8	28.6	29.0	28.6
80°	13.7	13.9	14.9	15.3	16.3	17.3	18.1	18.5	18.7	18.9	18.7
82.5°	7.8	8.0	8.4	8.8	9.7	10.5	11.3	11.9	11.9	12.1	11.9
85°	3.8	3.8	4.0	4.2	4.6	5.2	5.8	6.4	6.6	6.6	6.6
87.5°	0.6	0.6	0.8	0.8	1.0	1.2	1.6	2.0	2.2	2.2	2.2
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)