

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: P629771

Luminaire Tested: GWS-SA1C-735-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-735-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2494.8 lumens
Efficiency: N/A
Efficacy: 73.2 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

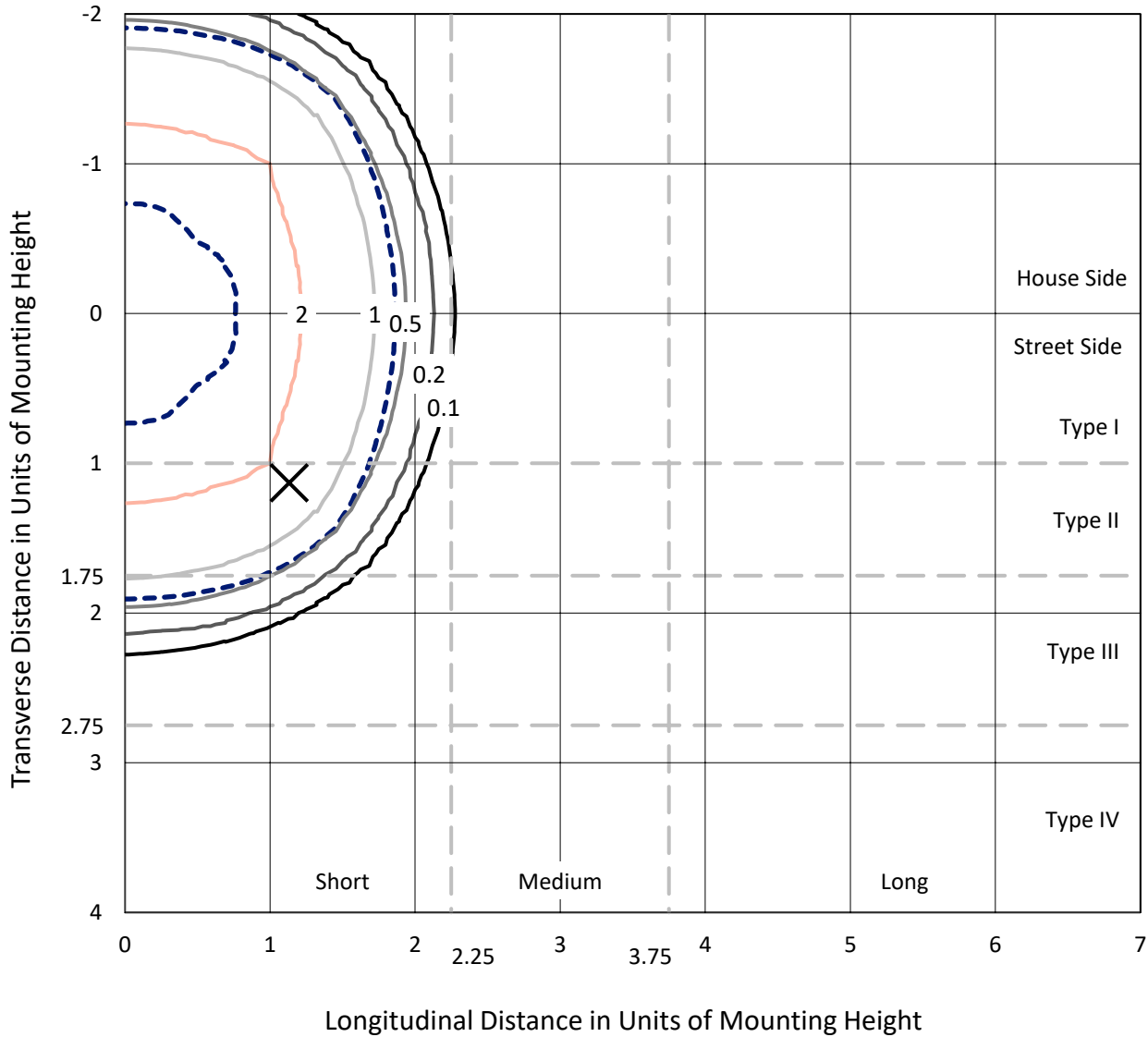
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629771
 CATALOG NUMBER: GWS-SA1C-735-U-5WQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

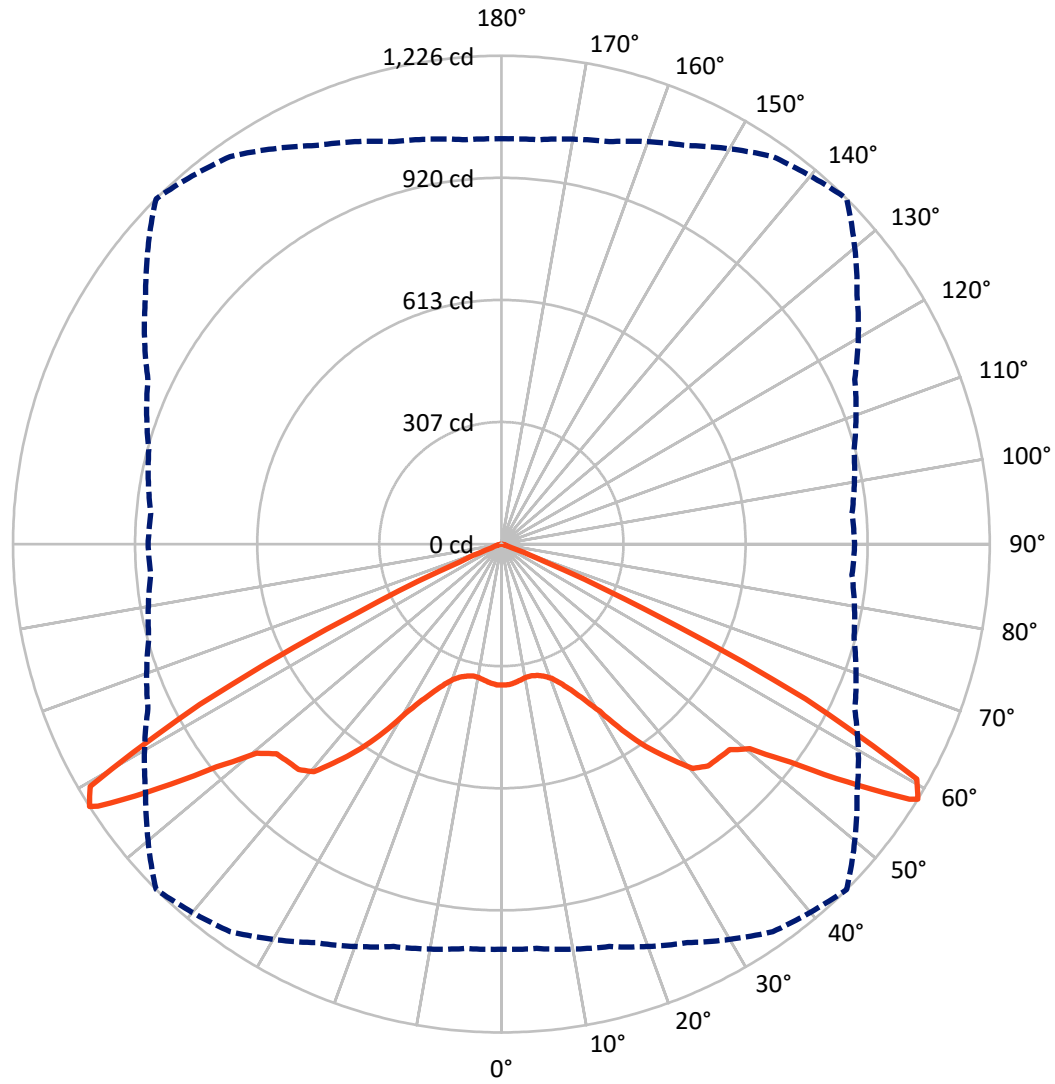
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - N/A

REPORT NUMBER: P629771
CATALOG NUMBER: GWS-SA1C-735-U-5WQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

REPORT NUMBER: P629771

CATALOG NUMBER: GWS-SA1C-735-U-5WQ-W-GRSBK

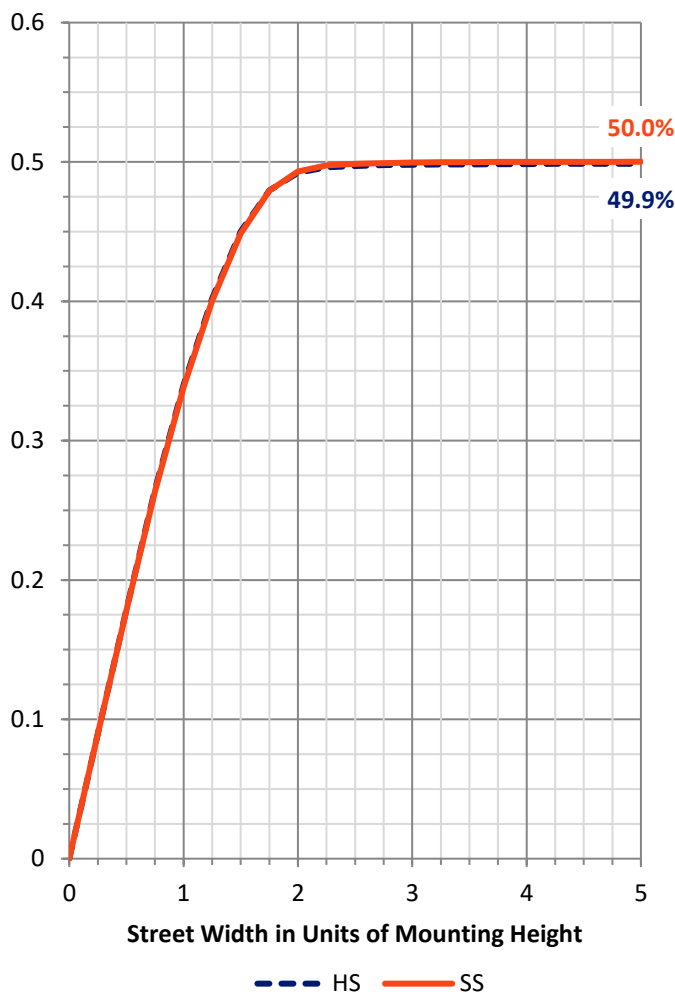
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1247.4	0.0	1247.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1247.4	0.0	1247.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	2494.8	0.0	2494.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.0	1.3
10°-20°	97.7	3.9
20°-30°	184.7	7.4
30°-40°	364.3	14.6
40°-50°	576.5	23.1
50°-60°	847.5	34.0
60°-70°	378.3	15.2
70°-80°	12.7	0.5
80°-90°	0.1	0.0
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°	2494.8	100.0
0°-180°	2494.8	100.0

Coefficient of Utilization



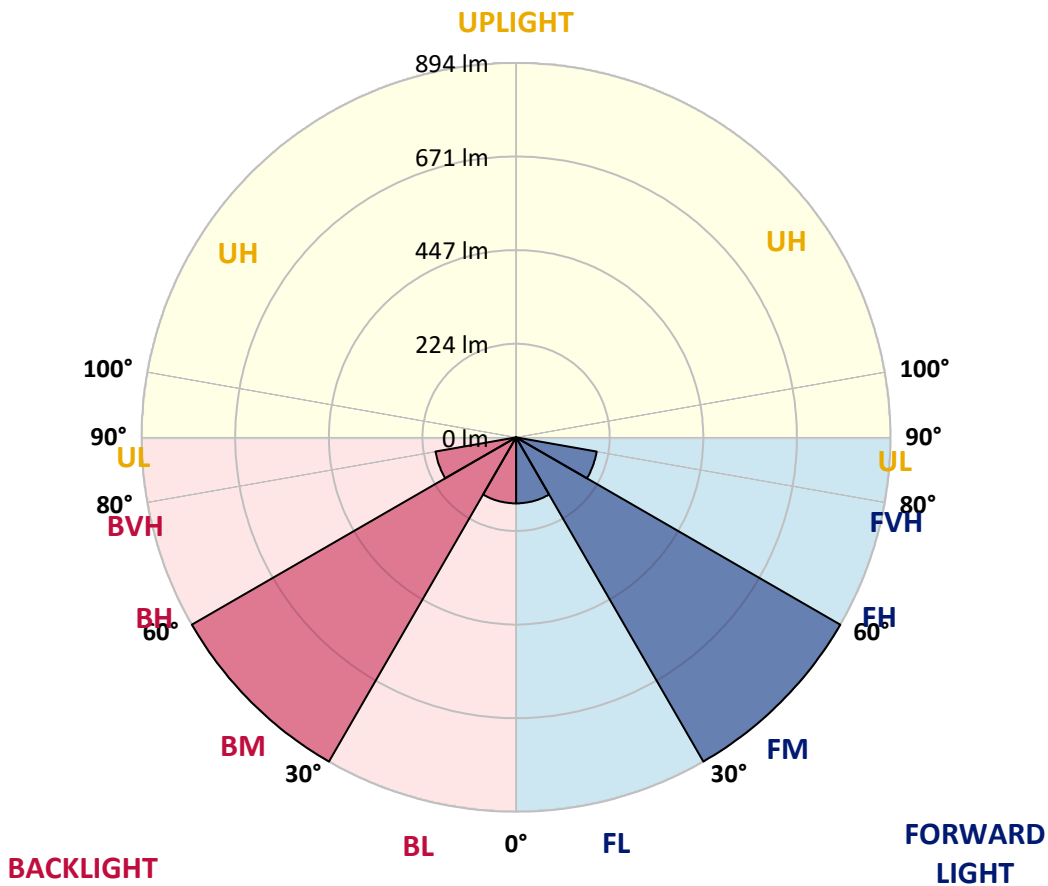
REPORT NUMBER: P629771

CATALOG NUMBER: GWS-SA1C-735-U-5WQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	157.7	6.3			
FM (30°-60°)	894.2	35.8			
FH (60°-80°)	195.5	7.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	157.7	6.3	B1/500		
BM (30°-60°)	894.2	35.8	B1/1000		
BH (60°-80°)	195.5	7.8	B1/500		G0/660
BVH (80°-90°)	0.0	0.0			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: P629771
 CATALOG NUMBER: GWS-SA1C-735-U-5WQ-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8
2.5°	350.4	351.1	351.8	352.1	352.4	353.5	353.8	352.8	352.8	350.7	353.1
5°	348.7	349.4	350.1	349.7	349.7	349.7	349.4	348.0	347.7	345.6	348.0
7.5°	345.6	346.3	346.3	345.3	344.6	344.6	344.3	342.6	342.2	340.2	342.6
10°	343.3	343.6	343.3	341.2	339.9	339.9	339.5	338.8	339.2	337.8	339.9
12.5°	344.6	345.0	343.6	340.9	339.2	338.8	337.8	336.8	337.8	337.5	339.5
15°	349.0	349.4	347.0	343.6	342.2	342.2	339.5	336.8	338.2	338.5	340.9
17.5°	354.5	354.5	351.4	348.4	348.7	348.7	344.3	339.5	339.9	341.2	343.6
20°	360.9	360.9	357.9	357.2	359.6	359.9	354.5	347.0	345.3	346.3	349.0
22.5°	372.5	372.5	370.1	371.8	377.2	378.9	370.8	360.3	356.2	356.9	359.6
25°	390.5	390.5	389.8	393.9	401.7	405.5	394.6	380.6	373.8	372.8	375.9
27.5°	420.7	421.1	420.1	426.2	436.0	440.5	425.5	407.2	399.0	397.3	400.4
30°	459.8	459.8	460.2	468.7	481.6	487.4	467.6	446.2	436.7	431.3	435.4
32.5°	503.3	504.0	507.4	521.7	544.5	556.4	527.5	497.6	482.3	476.5	480.9
35°	575.0	568.6	564.5	575.0	608.0	623.6	586.6	551.6	540.0	539.4	550.6
37.5°	646.1	642.3	633.8	644.7	674.3	681.4	640.6	611.4	603.3	607.7	618.9
40°	702.5	695.7	684.5	694.7	733.4	740.6	690.3	661.4	658.3	668.2	683.5
42.5°	747.0	737.5	722.5	724.9	756.2	761.3	716.8	695.0	697.1	709.3	726.6
45°	767.1	759.6	746.3	745.3	765.0	765.4	730.4	719.1	724.6	734.1	747.7
47.5°	775.6	772.2	764.7	763.0	774.2	771.5	749.7	745.0	750.1	752.8	760.6
50°	796.6	796.6	797.7	799.0	810.6	807.9	792.6	787.1	780.7	771.1	773.5
52.5°	855.8	858.2	868.0	878.9	900.0	908.8	884.0	852.4	821.4	800.7	800.7
55°	962.5	964.9	976.4	994.8	1033.5	1054.6	996.8	927.1	884.7	856.5	860.2
57.5°	1021.3	1024.0	1047.8	1097.4	1172.5	1208.2	1084.2	980.8	921.4	889.1	891.8
58°	1017.5	1019.2	1046.1	1104.2	1187.8	1226.2	1090.3	979.1	916.6	883.6	887.0
60°	904.0	901.7	944.5	1027.4	1145.3	1198.4	1029.4	893.8	821.1	787.5	789.2
62.5°	591.0	592.4	629.4	716.1	807.9	857.8	719.1	618.2	559.8	539.4	534.3
65°	246.7	242.3	265.1	313.4	368.4	396.3	340.5	288.2	252.2	238.6	242.3
67.5°	63.6	61.9	63.2	79.2	96.9	114.5	96.2	73.4	63.9	64.6	64.6
70°	36.0	34.0	27.5	25.5	24.8	24.8	24.8	24.8	28.5	33.6	34.7
72.5°	27.2	25.5	20.1	17.3	15.3	14.3	15.0	17.3	20.7	25.1	25.8
75°	13.6	13.6	12.2	11.6	10.2	9.5	9.9	10.9	12.6	14.3	13.9
77.5°	2.7	3.1	3.4	4.1	3.4	3.4	3.4	4.1	4.1	4.4	4.1
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
82.5°	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)