

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: P629441

Luminaire Tested: GWS-SA1B-760-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629441
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-SA1B-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1902.9 lumens
Efficiency: N/A
Efficacy: 76.1 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

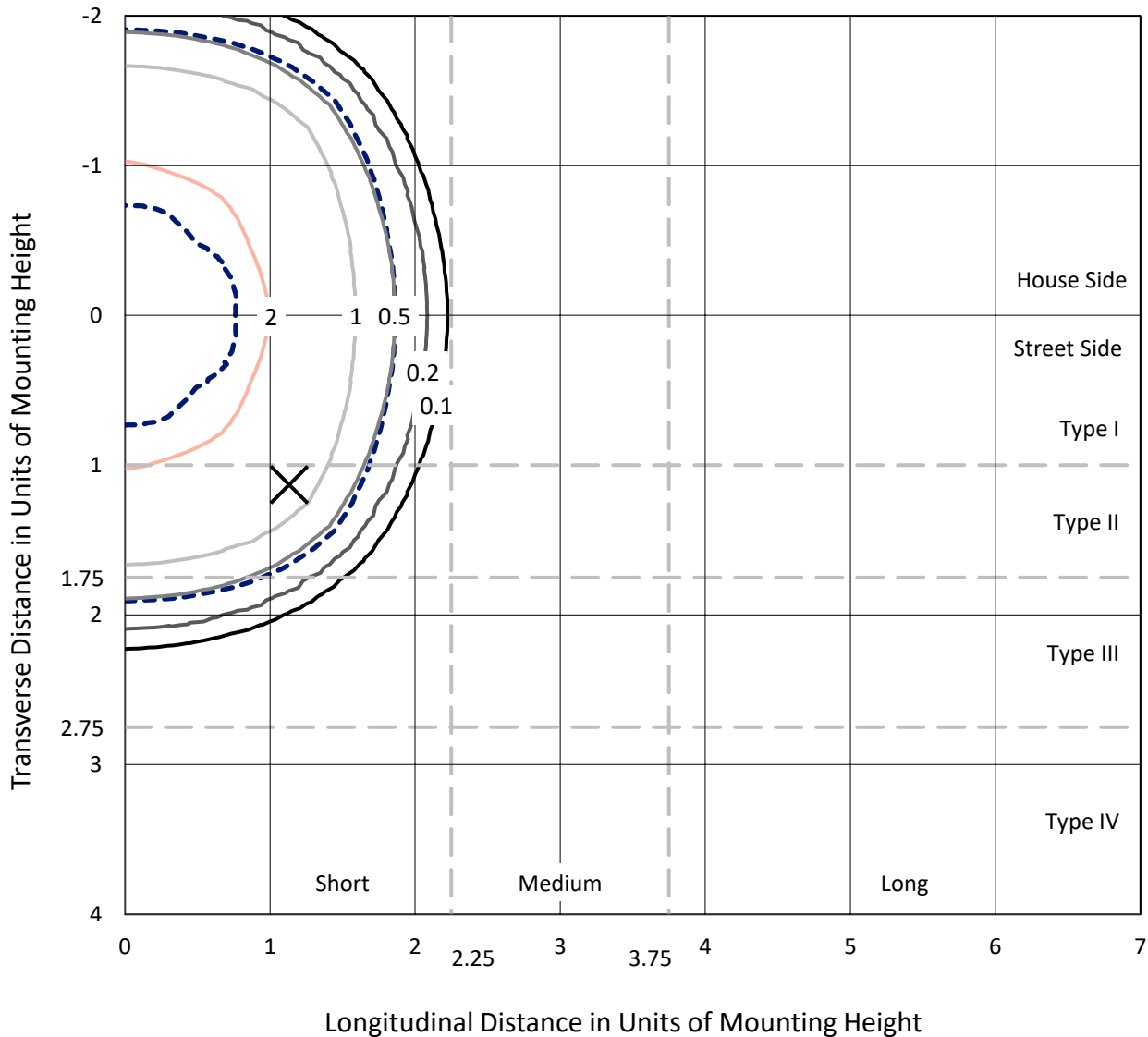
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629441
 CATALOG NUMBER: GWS-SA1B-760-U-5WQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

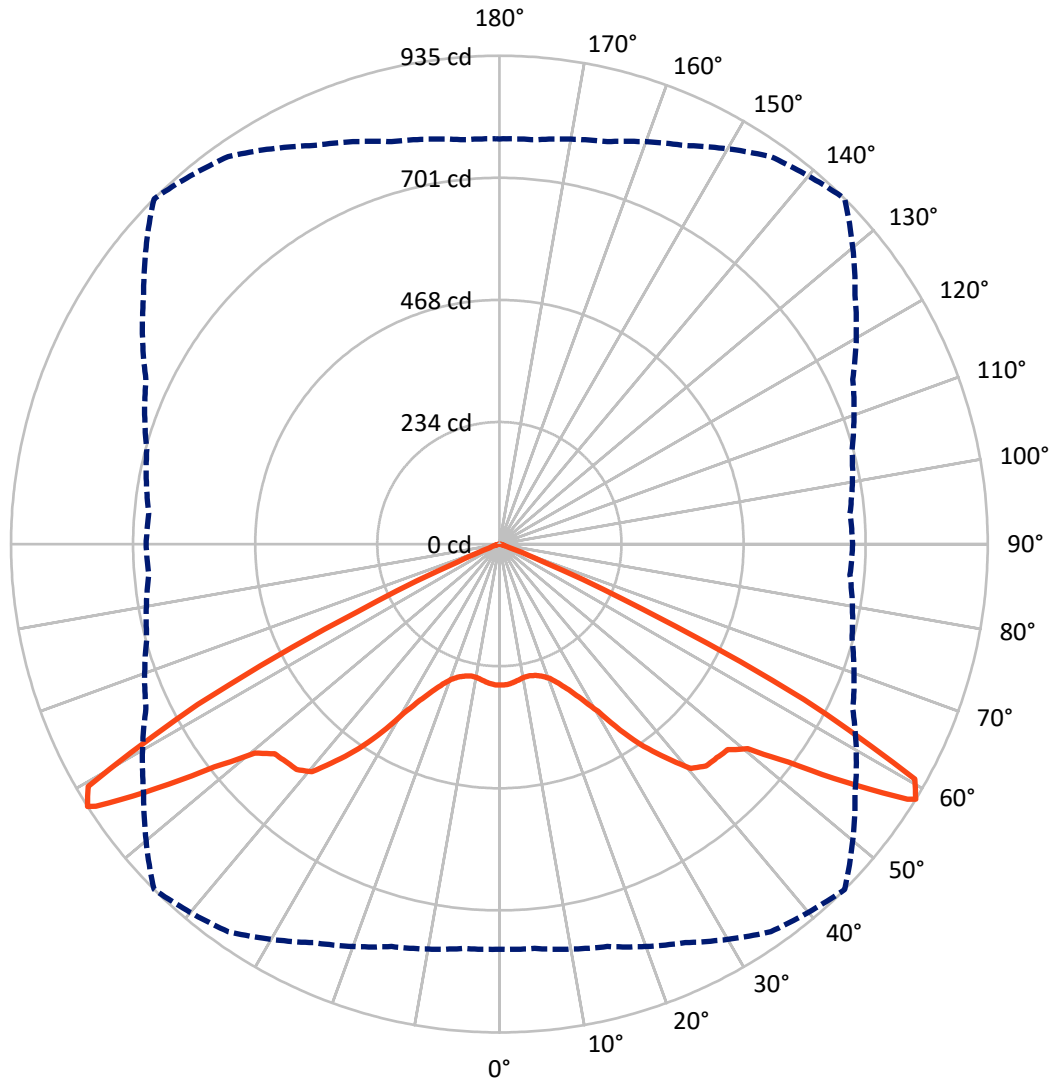
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.7 fc
 Type V - Short - N/A

REPORT NUMBER: P629441
CATALOG NUMBER: GWS-SA1B-760-U-5WQ-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P629441

CATALOG NUMBER: GWS-SA1B-760-U-5WQ-W-GRSBK

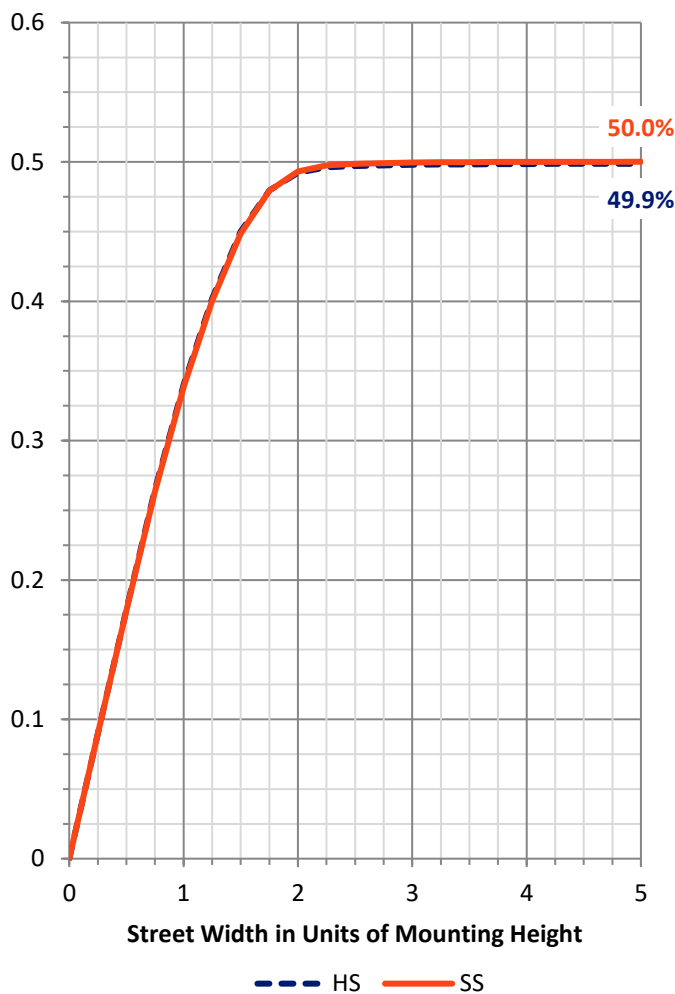
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	951.5	0.0	951.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	951.5	0.0	951.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	1902.9	0.0	1902.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.2	1.3
10°-20°	74.5	3.9
20°-30°	140.9	7.4
30°-40°	277.9	14.6
40°-50°	439.8	23.1
50°-60°	646.4	34.0
60°-70°	288.5	15.2
70°-80°	9.7	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°	1902.9	100.0
0°-180°	1902.9	100.0

Coefficient of Utilization



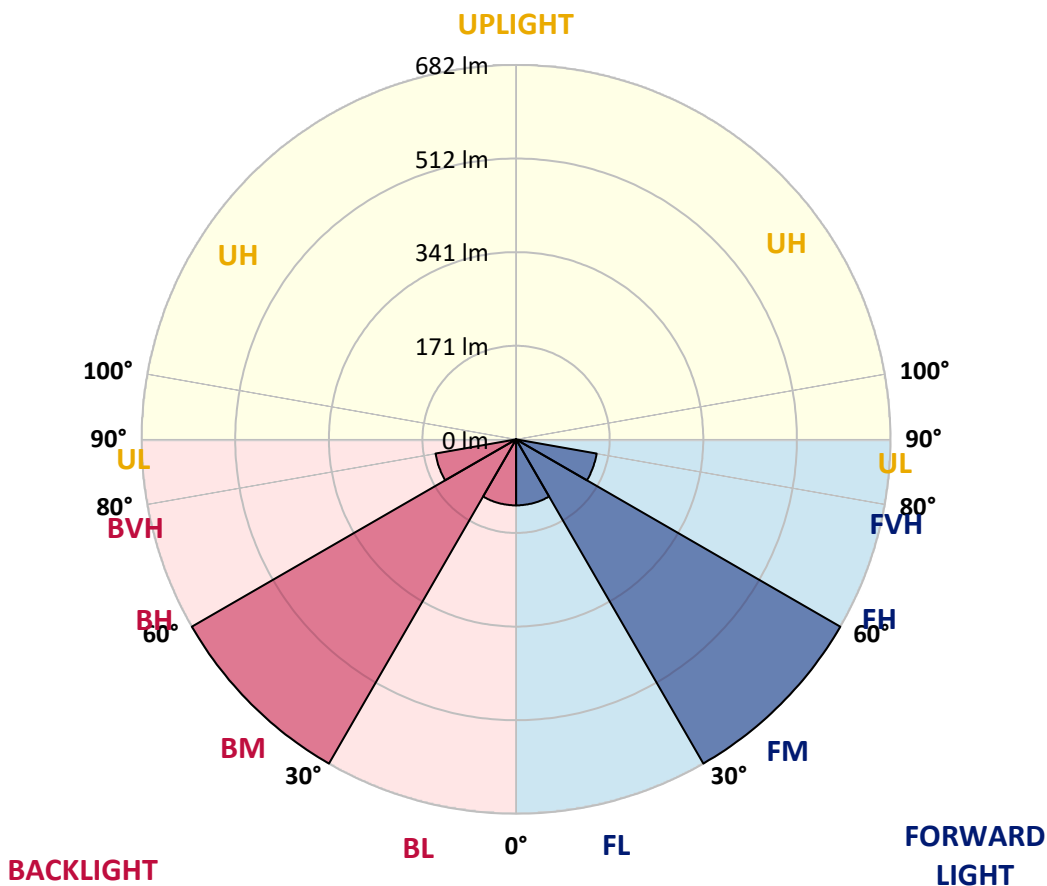
REPORT NUMBER: P629441

CATALOG NUMBER: GWS-SA1B-760-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°)	120.3	6.3			
FM (30°-60°)	682.0	35.8			
FH (60°-80°)	149.1	7.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	120.3	6.3	B1/500		
BM (30°-60°)	682.0	35.8	B1/1000		
BH (60°-80°)	149.1	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: P629441
 CATALOG NUMBER: GWS-SA1B-760-U-5WQ-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	269.9	269.9	269.9	269.9	269.9	269.9	269.9	269.9	269.9	269.9	269.9
2.5°	267.3	267.8	268.3	268.6	268.8	269.6	269.9	269.1	269.1	267.5	269.3
5°	266.0	266.5	267.0	266.7	266.7	266.7	266.5	265.4	265.2	263.6	265.4
7.5°	263.6	264.2	264.2	263.4	262.9	262.9	262.6	261.3	261.0	259.5	261.3
10°	261.8	262.1	261.8	260.3	259.2	259.2	259.0	258.5	258.7	257.7	259.2
12.5°	262.9	263.1	262.1	260.0	258.7	258.5	257.7	256.9	257.7	257.4	259.0
15°	266.2	266.5	264.7	262.1	261.0	261.0	259.0	256.9	257.9	258.2	260.0
17.5°	270.4	270.4	268.0	265.7	266.0	266.0	262.6	259.0	259.2	260.3	262.1
20°	275.3	275.3	273.0	272.4	274.3	274.5	270.4	264.7	263.4	264.2	266.2
22.5°	284.1	284.1	282.3	283.6	287.7	289.0	282.8	274.8	271.7	272.2	274.3
25°	297.9	297.9	297.3	300.4	306.4	309.3	301.0	290.3	285.2	284.4	286.7
27.5°	320.9	321.2	320.4	325.1	332.6	336.0	324.6	310.6	304.3	303.0	305.4
30°	350.7	350.7	351.0	357.5	367.3	371.7	356.7	340.4	333.1	329.0	332.1
32.5°	383.9	384.4	387.0	397.9	415.3	424.4	402.3	379.5	367.8	363.4	366.8
35°	438.6	433.7	430.6	438.6	463.8	475.7	447.4	420.7	411.9	411.4	419.9
37.5°	492.8	489.9	483.5	491.8	514.3	519.8	488.6	466.4	460.1	463.5	472.1
40°	535.8	530.6	522.1	529.9	559.4	564.9	526.5	504.5	502.1	509.6	521.3
42.5°	569.8	562.5	551.1	552.9	576.8	580.7	546.7	530.1	531.7	541.0	554.2
45°	585.1	579.4	569.3	568.5	583.5	583.8	557.1	548.5	552.7	559.9	570.3
47.5°	591.6	589.0	583.3	582.0	590.5	588.4	571.9	568.2	572.1	574.2	580.2
50°	607.6	607.6	608.4	609.4	618.3	616.2	604.5	600.4	595.4	588.2	590.0
52.5°	652.7	654.6	662.1	670.4	686.4	693.2	674.3	650.1	626.6	610.7	610.7
55°	734.1	735.9	744.8	758.8	788.3	804.4	760.3	707.2	674.8	653.3	656.1
57.5°	779.0	781.1	799.2	837.0	894.3	921.6	826.9	748.1	702.8	678.1	680.2
58°	776.1	777.4	797.9	842.2	906.0	935.3	831.6	746.8	699.1	674.0	676.6
60°	689.5	687.7	720.4	783.6	873.6	914.0	785.2	681.8	626.3	600.6	601.9
62.5°	450.8	451.8	480.1	546.2	616.2	654.3	548.5	471.5	426.9	411.4	407.5
65°	188.2	184.8	202.2	239.0	281.0	302.3	259.7	219.8	192.3	182.0	184.8
67.5°	48.5	47.2	48.2	60.4	73.9	87.4	73.4	56.0	48.7	49.3	49.3
70°	27.5	25.9	21.0	19.4	18.9	18.9	18.9	18.9	21.8	25.7	26.4
72.5°	20.7	19.4	15.3	13.2	11.7	10.9	11.4	13.2	15.8	19.2	19.7
75°	10.4	10.4	9.3	8.8	7.8	7.3	7.5	8.3	9.6	10.9	10.6
77.5°	2.1	2.3	2.6	3.1	2.6	2.6	2.6	3.1	3.1	3.4	3.1
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)