

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: P629931

Luminaire Tested: GWS-SA1C-760-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629931
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-760-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW 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: 3412.4 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - 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

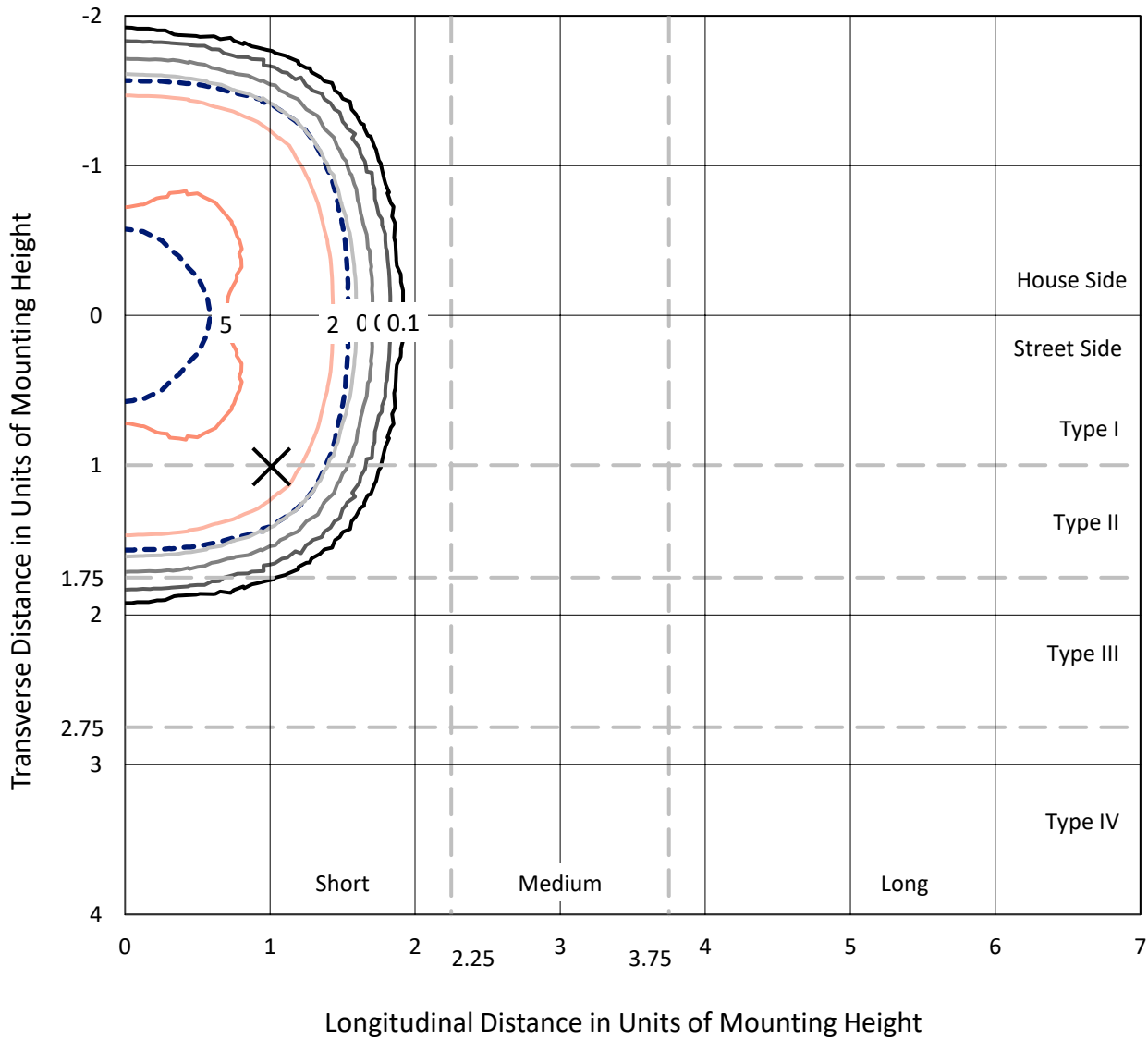


REPORT NUMBER: P629931

CATALOG NUMBER: GWS-SA1C-760-U-5NQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

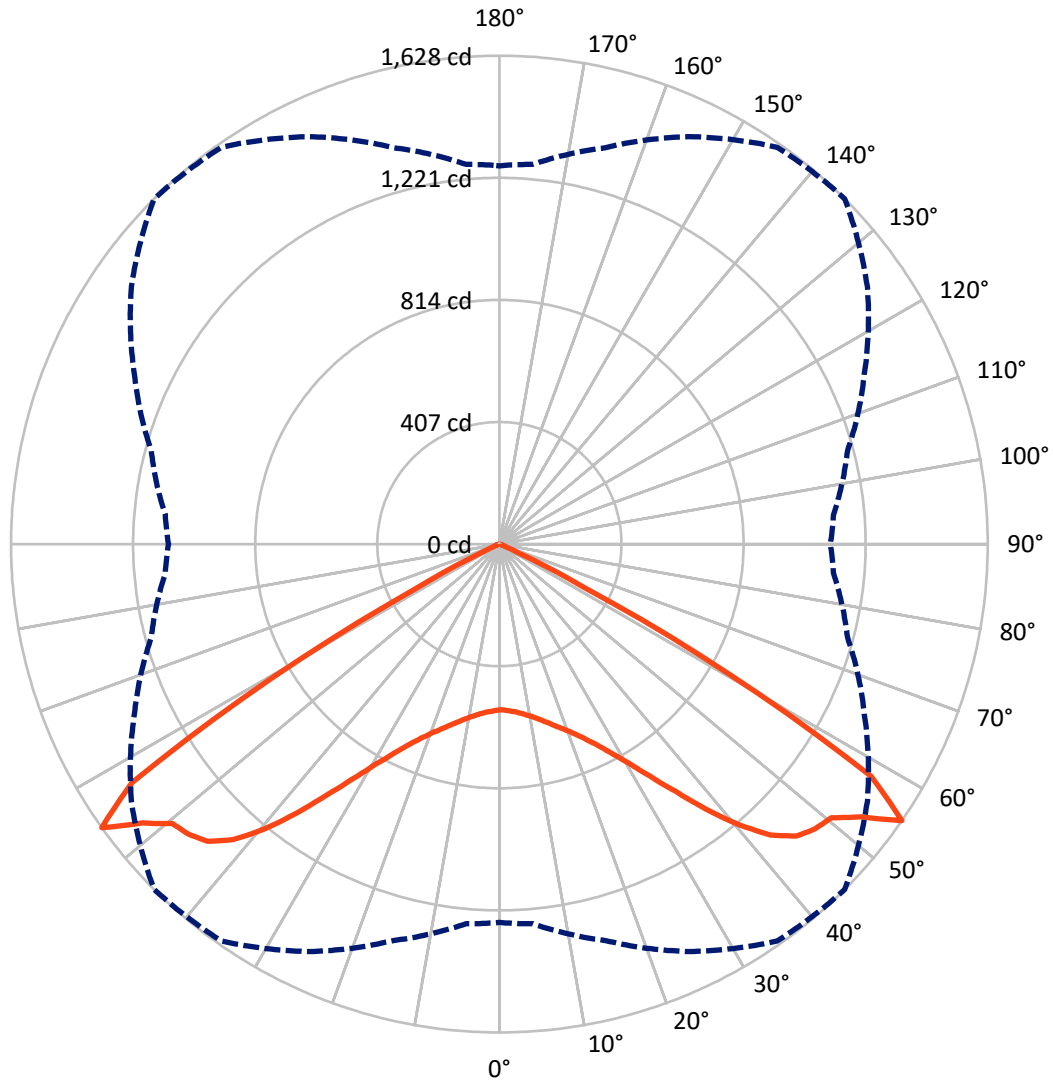
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - N/A

REPORT NUMBER: P629931
CATALOG NUMBER: GWS-SA1C-760-U-5NQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P629931

CATALOG NUMBER: GWS-SA1C-760-U-5NQ-W-GRSBK

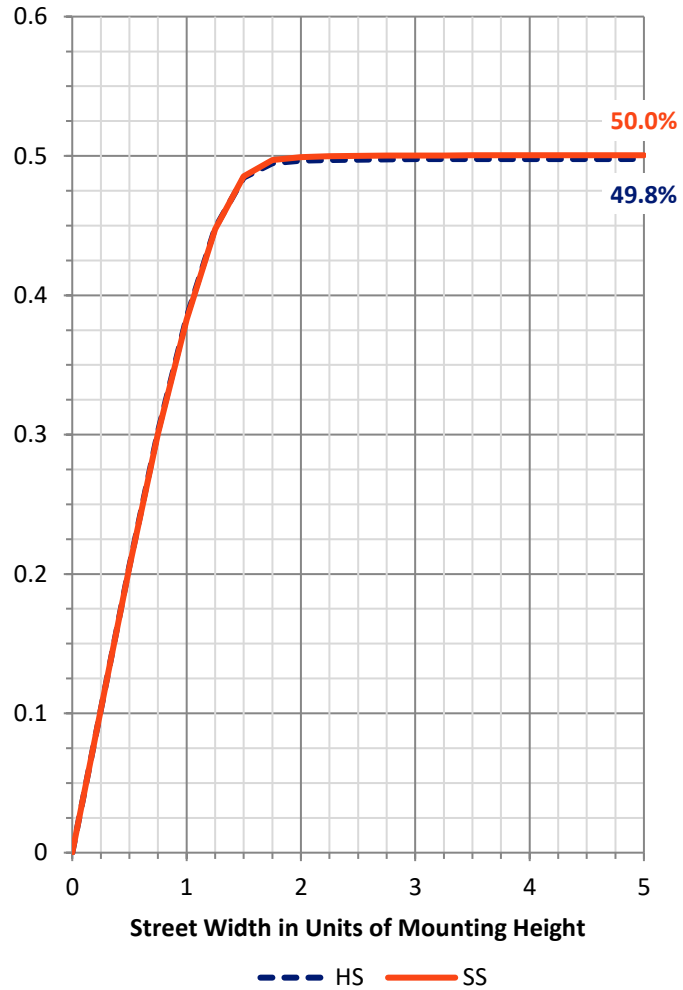
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1706.2	0.0	1706.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1706.2	0.0	1706.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	3412.4	0.0	3412.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.1	1.6
10°-20°	175.2	5.1
20°-30°	339.4	9.9
30°-40°	608.0	17.8
40°-50°	1019.3	29.9
50°-60°	1091.1	32.0
60°-70°	119.9	3.5
70°-80°	5.3	0.2
80°-90°	0.2	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°	3412.4	100.0
0°-180°	3412.4	100.0

Coefficient of Utilization



REPORT NUMBER: P629931

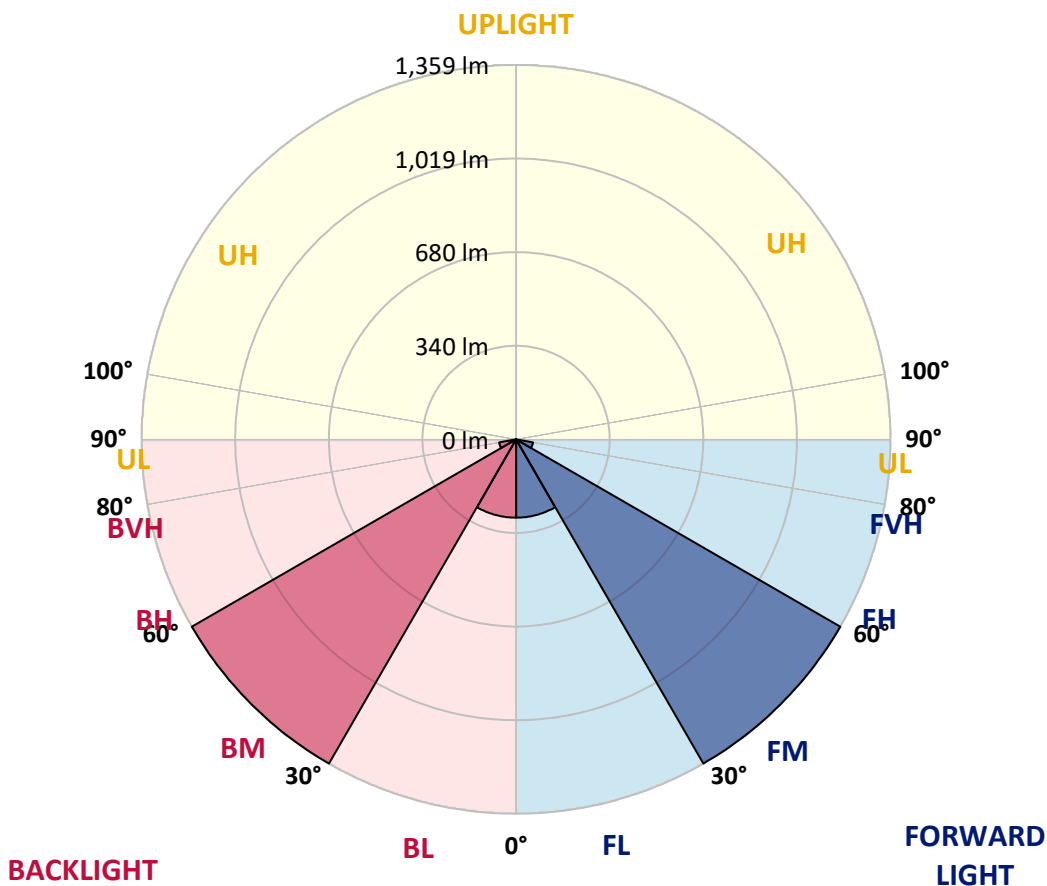
CATALOG NUMBER: GWS-SA1C-760-U-5NQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	284.3	8.3			
FM (30°-60°)	1359.2	39.8			
FH (60°-80°)	62.6	1.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	284.3	8.3	B1/500		
BM (30°-60°)	1359.2	39.8	B2/2500		
BH (60°-80°)	62.6	1.8	B0/110		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





REPORT NUMBER: P629931

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	551.7	551.7	551.7	551.7	551.7	551.7	551.7	551.7	551.7	551.7	551.7
2.5°	550.7	550.7	552.1	553.1	553.1	555.9	554.8	553.8	553.8	552.4	555.2
5°	558.7	558.3	559.7	560.4	559.0	561.8	560.1	559.0	558.3	556.9	559.7
7.5°	567.4	567.7	568.1	569.4	568.8	571.5	570.1	568.1	567.4	565.3	568.1
10°	577.8	577.8	578.5	580.2	580.6	584.1	582.7	580.2	578.1	576.1	578.8
12.5°	591.0	591.4	592.4	594.8	596.2	600.0	598.0	593.1	590.0	587.5	590.7
15°	610.1	609.8	611.2	614.6	616.4	619.2	616.0	609.4	605.6	602.8	604.9
17.5°	631.0	631.0	631.7	635.2	637.6	641.8	637.9	629.9	626.5	622.6	624.7
20°	653.9	655.0	655.7	658.1	662.3	666.4	663.3	655.3	651.5	646.6	649.1
22.5°	684.2	683.1	683.5	687.7	693.6	697.7	695.3	685.9	679.3	675.5	676.9
25°	717.9	717.5	718.6	724.8	731.5	736.0	732.5	720.3	713.7	707.1	709.9
27.5°	759.3	759.6	760.3	768.0	778.4	785.0	776.3	764.1	755.1	746.4	748.5
30°	808.3	807.6	809.7	820.1	835.4	845.8	835.7	818.7	805.9	797.5	798.6
32.5°	860.4	861.1	866.7	883.4	903.5	922.0	901.5	878.9	862.2	846.5	848.6
35°	916.8	918.5	931.0	955.7	988.7	1013.4	984.9	947.7	924.1	903.9	904.6
37.5°	983.2	987.3	1004.7	1041.6	1088.8	1121.9	1080.1	1030.8	1000.2	975.2	973.4
40°	1070.4	1075.3	1098.9	1142.7	1200.1	1230.3	1182.0	1131.3	1093.4	1066.2	1062.1
42.5°	1170.5	1176.8	1202.5	1247.4	1304.7	1325.2	1278.0	1235.2	1201.1	1169.1	1167.8
45°	1283.5	1287.0	1307.9	1342.3	1383.6	1388.5	1353.1	1329.4	1295.0	1265.1	1262.7
47.5°	1389.6	1393.0	1407.3	1425.0	1434.7	1417.4	1411.1	1400.7	1356.2	1319.3	1311.7
50°	1470.2	1473.0	1490.7	1497.7	1470.6	1433.7	1445.9	1423.6	1375.3	1333.9	1322.1
52.5°	1464.6	1471.6	1517.1	1556.8	1539.7	1509.8	1477.2	1429.2	1354.1	1297.4	1282.8
55°	1260.9	1270.3	1368.0	1498.4	1614.8	1627.7	1497.0	1342.3	1201.1	1118.0	1103.1
57.5°	810.4	812.8	932.0	1114.9	1377.4	1460.1	1241.5	1012.0	836.4	745.0	738.8
60°	297.9	293.1	383.1	534.7	793.3	880.9	730.8	511.7	365.0	300.4	295.2
62.5°	71.6	72.3	89.7	134.5	248.9	308.0	243.4	135.9	86.6	72.7	72.0
65°	36.2	35.5	35.8	38.6	53.2	63.6	52.1	36.9	35.5	35.8	35.5
67.5°	23.3	22.9	23.6	24.0	23.6	22.2	21.9	22.6	22.6	22.9	22.2
70°	14.3	13.9	14.6	15.6	14.9	13.2	13.9	14.6	13.9	13.6	13.6
72.5°	7.6	7.6	8.3	9.0	8.3	7.6	7.6	8.0	7.6	7.6	7.6
75°	3.5	3.5	3.8	4.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5
77.5°	1.0	1.0	1.4	1.4	1.0	1.0	1.0	1.0	1.4	1.4	1.4
80°	0.3	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.7
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
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)