

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: P629933

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629933
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
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
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5068.5 lumens
Efficiency: N/A
Efficacy: 148.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

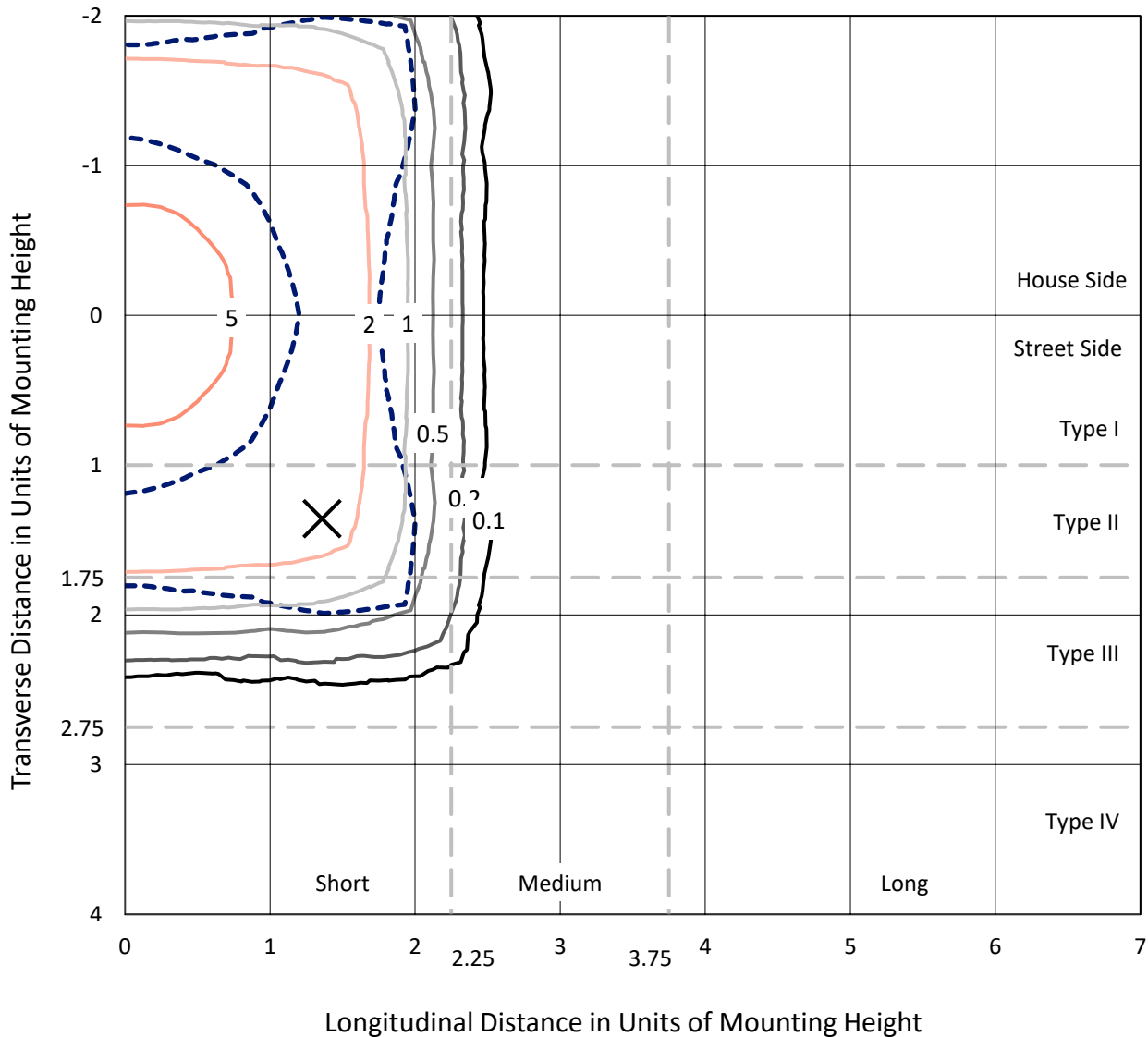
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629933
 CATALOG NUMBER: GWS-SA1C-760-U-5NQ-W

Iso-Footcandle Lines of Horizontal Illumination

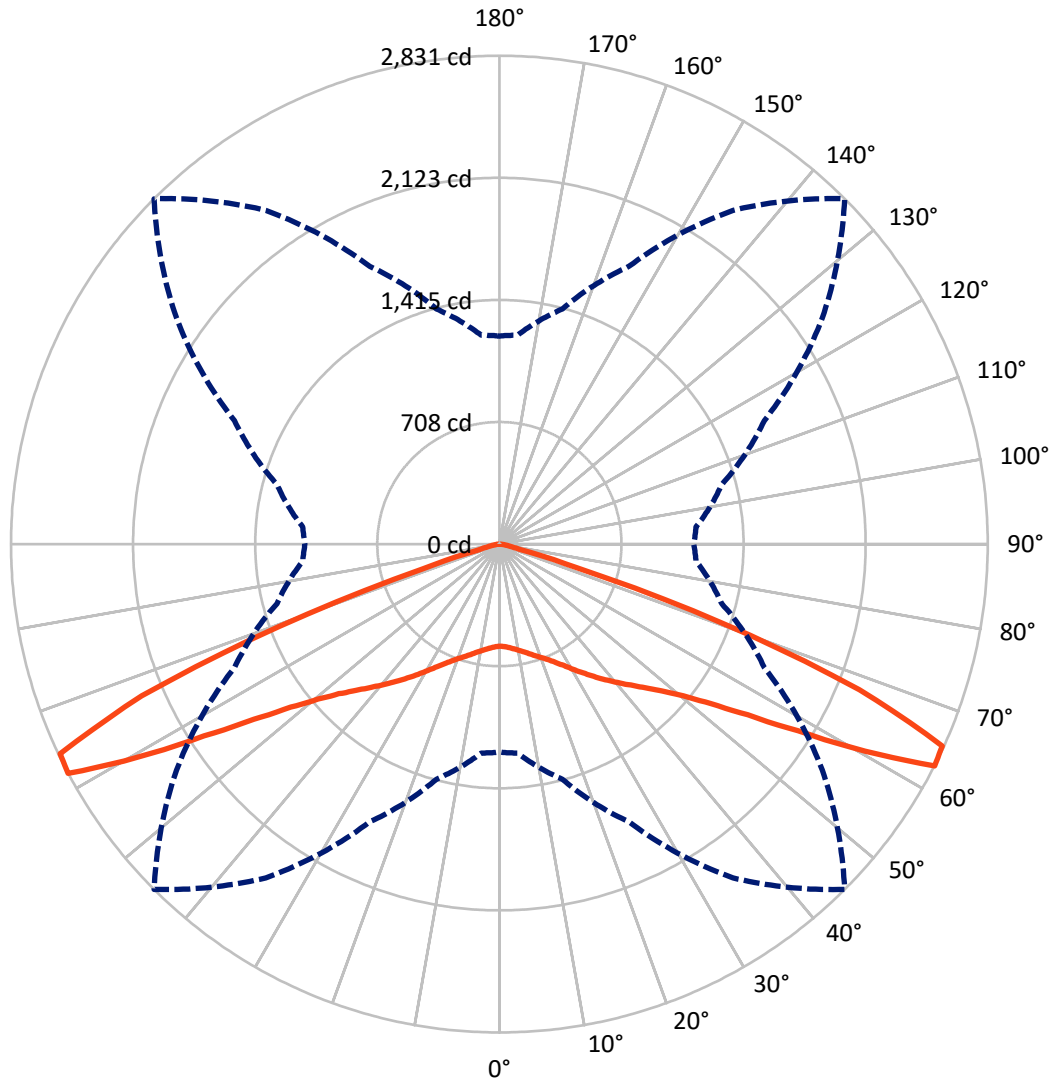
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

REPORT NUMBER: P629933
CATALOG NUMBER: GWS-SA1C-760-U-5NQ-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P629933

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

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2534.3	0.0	2534.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2534.3	0.0	2534.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	5068.5	0.0	5068.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	1.1
10°-20°	187.1	3.7
20°-30°	353.9	7.0
30°-40°	595.8	11.8
40°-50°	951.8	18.8
50°-60°	1534.3	30.3
60°-70°	1251.8	24.7
70°-80°	121.6	2.4
80°-90°	14.1	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°	5068.5	100.0
0°-180°	5068.5	100.0

Coefficient of Utilization



REPORT NUMBER: P629933

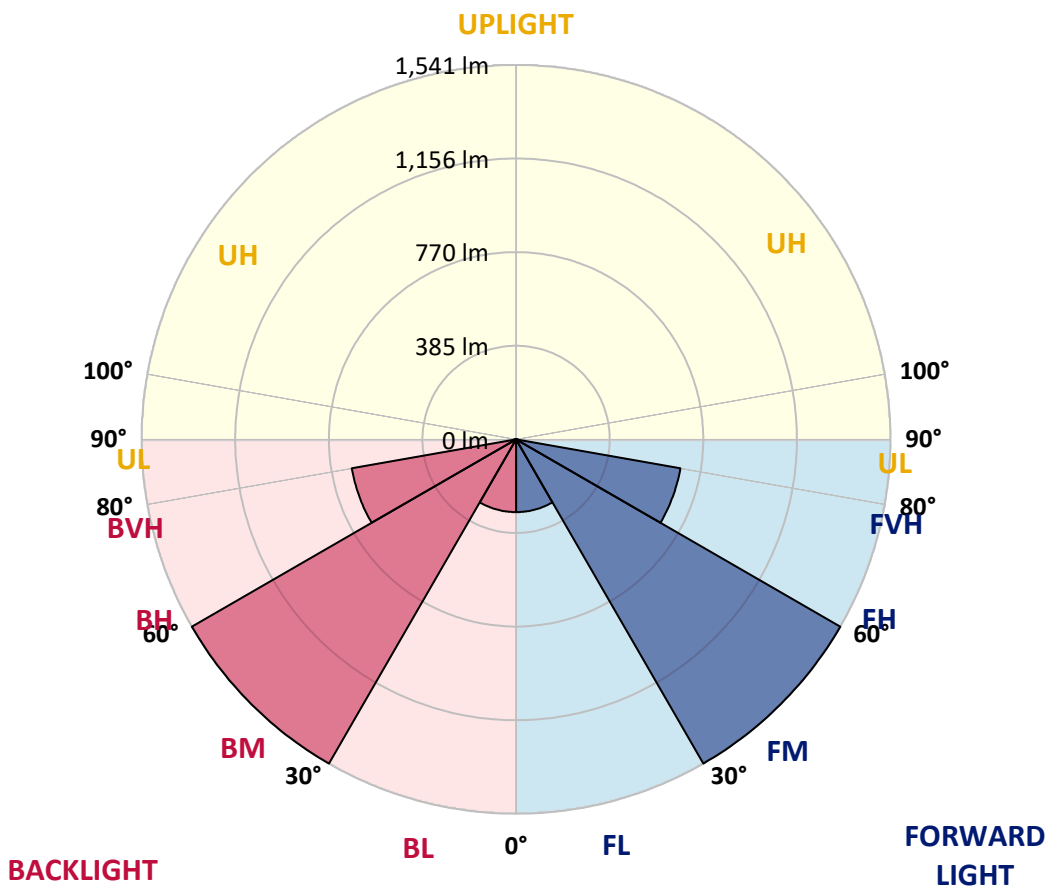
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	299.5	5.9			
FM (30°-60°)	1541.0	30.4			
FH (60°-80°)	686.7	13.5			G1/1800
FVH (80°-90°)	7.1	0.1			G0/10
BL (0°-30°)	299.5	5.9	B1/500		
BM (30°-60°)	1541.0	30.4	B2/2500		
BH (60°-80°)	686.7	13.5	B2/1000		G1/1800
BVH (80°-90°)	7.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	591.3	591.3	591.3	591.3	591.3	591.3	591.3	591.3	591.3	591.3	591.3
2.5°	590.6	590.6	592.0	593.0	592.4	595.1	594.8	594.1	593.7	592.7	595.8
5°	598.6	598.6	599.7	600.7	599.0	602.4	601.0	600.3	600.0	598.6	601.4
7.5°	607.6	608.7	609.0	610.8	609.7	613.6	612.5	611.1	610.4	608.7	611.1
10°	617.7	618.4	618.8	621.9	622.2	626.8	625.7	624.0	622.6	620.9	624.3
12.5°	631.3	631.6	632.7	636.5	637.5	641.0	640.7	638.2	636.5	634.1	637.9
15°	648.7	649.0	650.8	654.6	656.3	660.5	659.1	655.3	652.8	650.1	653.2
17.5°	666.7	668.1	669.9	673.7	676.1	681.0	679.3	675.1	673.0	670.2	672.3
20°	690.0	690.4	691.4	695.6	697.3	702.9	703.2	699.1	698.0	695.2	698.4
22.5°	715.8	716.1	717.1	721.7	724.8	728.3	730.4	727.9	726.2	722.7	726.5
25°	744.3	747.7	748.8	754.3	757.8	759.9	762.3	761.3	758.9	754.7	756.4
27.5°	784.2	784.9	786.7	792.9	795.0	797.1	799.5	799.9	796.4	791.5	794.0
30°	829.8	829.4	833.3	838.1	839.9	841.6	845.1	847.2	842.6	837.4	839.9
32.5°	876.4	880.5	885.4	889.9	888.9	889.6	895.1	899.0	892.7	883.3	885.4
35°	928.9	931.6	937.9	944.5	943.1	942.1	945.5	949.4	940.7	928.5	931.6
37.5°	982.7	986.9	996.3	1004.3	1002.2	997.3	1001.2	1005.3	997.0	983.1	981.7
40°	1042.9	1049.5	1063.0	1069.6	1064.1	1054.7	1061.3	1071.4	1063.0	1047.0	1043.2
42.5°	1113.4	1121.4	1135.0	1145.1	1132.9	1117.6	1128.7	1143.3	1141.3	1120.0	1113.4
45°	1200.7	1205.9	1222.6	1227.5	1209.4	1188.2	1208.3	1230.6	1225.4	1202.4	1193.7
47.5°	1295.6	1303.6	1318.2	1327.2	1298.0	1271.6	1299.8	1329.7	1324.1	1302.5	1292.5
50°	1416.6	1427.0	1446.1	1453.8	1413.4	1383.2	1419.3	1457.2	1446.5	1417.6	1404.4
52.5°	1548.3	1556.7	1589.3	1604.6	1566.7	1534.1	1565.7	1602.9	1580.0	1541.7	1524.0
55°	1664.4	1672.8	1720.7	1771.5	1769.8	1747.2	1763.2	1763.8	1701.6	1638.4	1619.6
57.5°	1689.5	1697.8	1789.2	1922.0	2015.9	2041.9	1995.0	1896.3	1739.5	1628.6	1607.4
60°	1556.0	1565.4	1710.7	1953.3	2262.0	2436.2	2219.9	1893.5	1622.4	1472.2	1452.0
62.5°	1205.6	1215.6	1411.0	1775.3	2361.4	2830.7	2285.3	1694.3	1334.5	1144.4	1126.7
65°	575.7	575.7	823.9	1273.3	2163.3	2821.3	2096.2	1253.5	803.4	617.0	601.7
67.5°	142.5	143.2	212.1	495.7	1471.5	2251.6	1495.5	601.7	283.0	200.2	195.0
70°	89.0	88.6	98.4	134.2	514.8	1366.5	611.5	181.5	115.1	101.5	100.8
72.5°	69.2	69.2	74.0	85.9	134.9	465.5	178.3	100.8	83.4	75.1	75.1
75°	54.6	54.6	58.1	64.3	79.6	119.9	94.9	74.7	64.7	59.1	58.4
77.5°	40.7	41.4	44.1	48.3	54.2	67.4	60.1	56.3	50.4	46.2	44.8
80°	26.4	27.5	30.9	33.4	35.5	44.5	39.3	41.0	38.2	33.4	32.7
82.5°	14.3	14.6	18.8	19.5	20.2	24.3	25.0	26.1	27.1	21.2	19.8
85°	5.2	5.2	6.3	7.3	8.0	8.7	11.8	14.6	15.3	12.2	11.8
87.5°	1.0	1.0	1.0	0.7	0.7	0.7	2.1	3.8	6.3	4.9	4.9
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)