

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: P631914

Luminaire Tested: GWS-SA2B-760-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631914
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-SA2B-760-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3664.1 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

Input Watts (W): 46.4
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

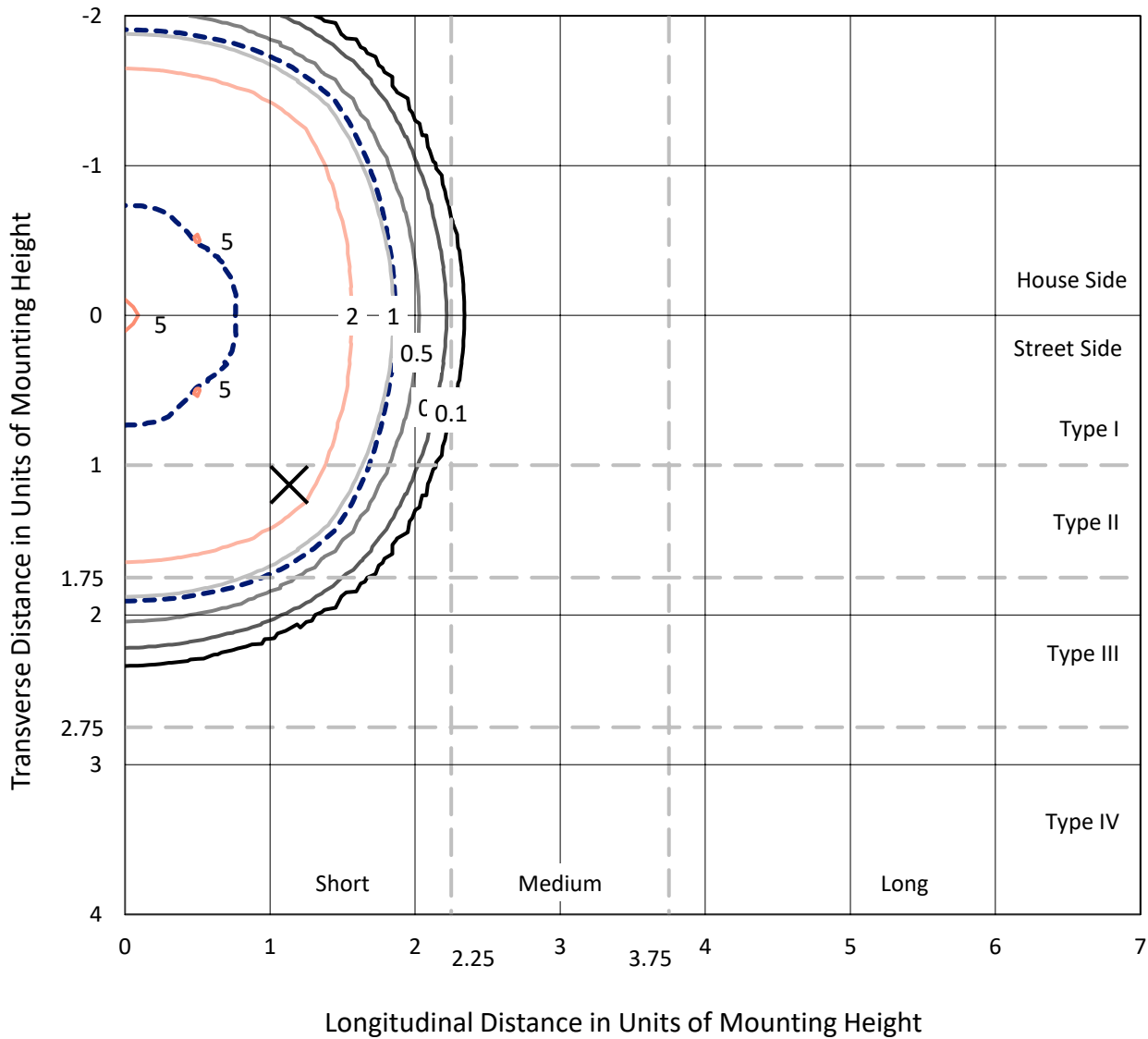


REPORT NUMBER: P631914

CATALOG NUMBER: GWS-SA2B-760-U-5WQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

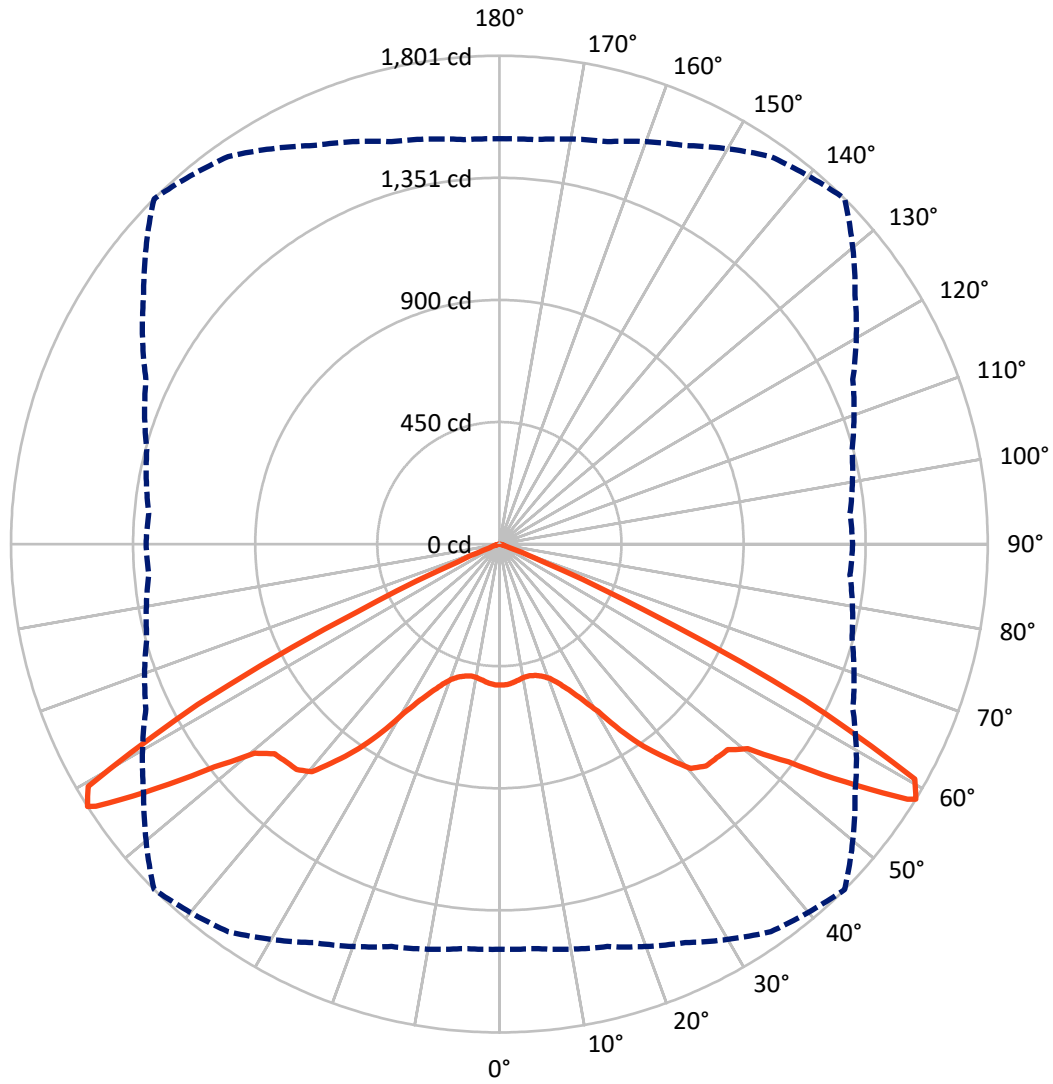
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type V - Short - N/A

REPORT NUMBER: P631914
CATALOG NUMBER: GWS-SA2B-760-U-5WQ-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P631914

CATALOG NUMBER: GWS-SA2B-760-U-5WQ-W-GRSBK

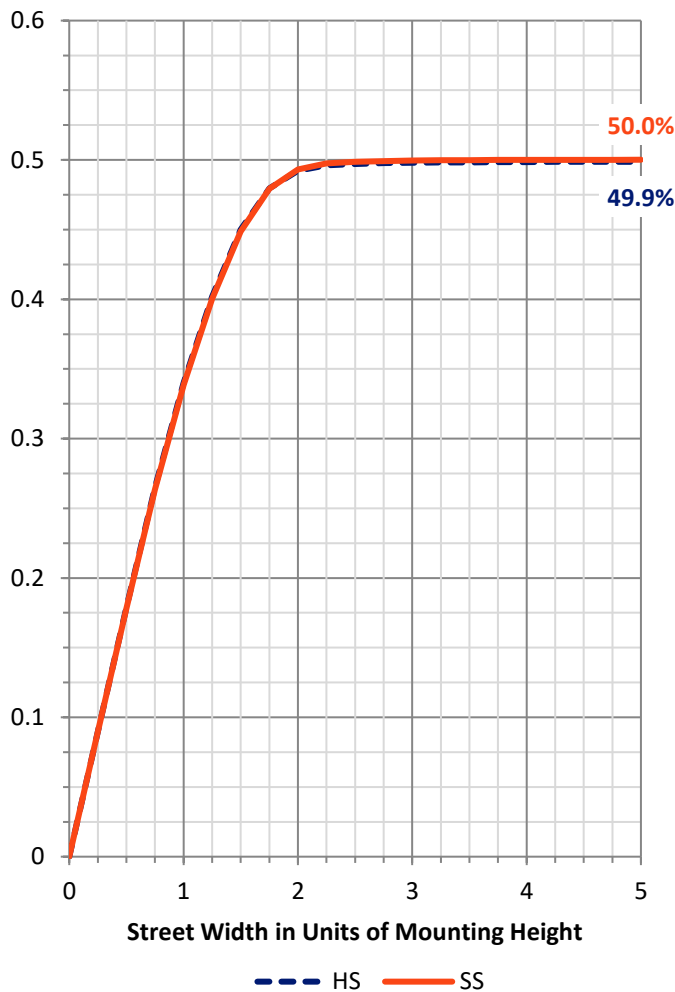
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1832.1	0.0	1832.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1832.1	0.0	1832.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	3664.1	0.0	3664.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.5	1.3
10°-20°	143.5	3.9
20°-30°	271.3	7.4
30°-40°	535.1	14.6
40°-50°	846.8	23.1
50°-60°	1244.7	34.0
60°-70°	555.6	15.2
70°-80°	18.6	0.5
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°	3664.1	100.0
0°-180°	3664.1	100.0

Coefficient of Utilization



REPORT NUMBER: P631914

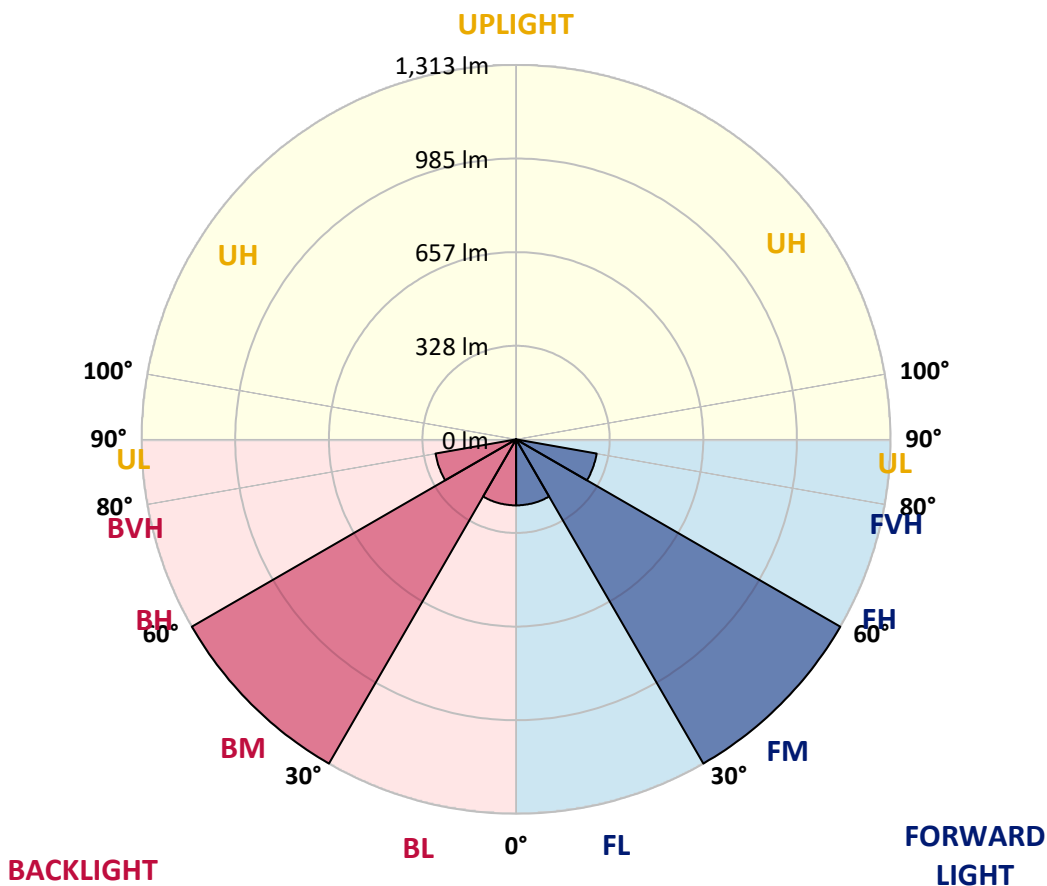
CATALOG NUMBER: GWS-SA2B-760-U-5WQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	231.6	6.3			
FM (30°-60°)	1313.3	35.8			
FH (60°-80°)	287.1	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	231.6	6.3	B1/500		
BM (30°-60°)	1313.3	35.8	B2/2500		
BH (60°-80°)	287.1	7.8	B1/500		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: P631914

CATALOG NUMBER: GWS-SA2B-760-U-5WQ-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	519.6	519.6	519.6	519.6	519.6	519.6	519.6	519.6	519.6	519.6	519.6
2.5°	514.6	515.6	516.6	517.1	517.6	519.1	519.6	518.1	518.1	515.1	518.6
5°	512.1	513.1	514.1	513.6	513.6	513.6	513.1	511.1	510.6	507.6	511.1
7.5°	507.6	508.6	508.6	507.1	506.1	506.1	505.6	503.1	502.6	499.7	503.1
10°	504.1	504.6	504.1	501.1	499.2	499.2	498.7	497.7	498.2	496.2	499.2
12.5°	506.1	506.6	504.6	500.7	498.2	497.7	496.2	494.7	496.2	495.7	498.7
15°	512.6	513.1	509.6	504.6	502.6	502.6	498.7	494.7	496.7	497.2	500.7
17.5°	520.6	520.6	516.1	511.6	512.1	512.1	505.6	498.7	499.2	501.1	504.6
20°	530.1	530.1	525.6	524.6	528.1	528.6	520.6	509.6	507.1	508.6	512.6
22.5°	547.1	547.1	543.6	546.1	554.1	556.6	544.6	529.1	523.1	524.1	528.1
25°	573.5	573.5	572.5	578.5	590.0	595.5	579.5	559.1	549.1	547.6	552.1
27.5°	618.0	618.5	617.0	625.9	640.4	646.9	624.9	598.0	586.0	583.5	588.0
30°	675.4	675.4	675.9	688.3	707.3	715.8	686.8	655.4	641.4	633.4	639.4
32.5°	739.2	740.2	745.2	766.2	799.6	817.1	774.7	730.8	708.3	699.8	706.3
35°	844.6	835.1	829.1	844.6	893.0	915.9	861.5	810.1	793.2	792.2	808.6
37.5°	948.9	943.4	930.9	946.9	990.3	1000.8	940.9	898.0	886.0	892.5	909.0
40°	1031.7	1021.8	1005.3	1020.3	1077.2	1087.7	1013.8	971.4	966.9	981.3	1003.8
42.5°	1097.1	1083.2	1061.2	1064.7	1110.6	1118.1	1052.7	1020.8	1023.8	1041.7	1067.2
45°	1126.6	1115.6	1096.1	1094.6	1123.6	1124.1	1072.7	1056.2	1064.2	1078.2	1098.1
47.5°	1139.1	1134.1	1123.1	1120.6	1137.1	1133.1	1101.1	1094.1	1101.6	1105.6	1117.1
50°	1170.0	1170.0	1171.5	1173.5	1190.5	1186.5	1164.0	1156.0	1146.6	1132.6	1136.1
52.5°	1256.9	1260.4	1274.8	1290.8	1321.8	1334.7	1298.3	1251.9	1206.5	1176.0	1176.0
55°	1413.6	1417.1	1434.1	1461.0	1517.9	1548.9	1464.0	1361.7	1299.3	1257.9	1263.4
57.5°	1500.0	1503.9	1538.9	1611.8	1722.1	1774.5	1592.3	1440.6	1353.2	1305.8	1309.8
58°	1494.5	1497.0	1536.4	1621.7	1744.5	1800.9	1601.3	1438.1	1346.2	1297.8	1302.8
60°	1327.7	1324.3	1387.1	1508.9	1682.1	1760.0	1511.9	1312.8	1206.0	1156.5	1159.0
62.5°	868.0	870.0	924.4	1051.7	1186.5	1259.9	1056.2	908.0	822.1	792.2	784.7
65°	362.4	355.9	389.3	460.2	541.1	582.0	500.2	423.3	370.4	350.4	355.9
67.5°	93.3	90.8	92.8	116.3	142.3	168.2	141.3	107.8	93.8	94.8	94.8
70°	52.9	49.9	40.4	37.4	36.4	36.4	36.4	36.4	41.9	49.4	50.9
72.5°	39.9	37.4	29.5	25.5	22.5	21.0	22.0	25.5	30.4	36.9	37.9
75°	20.0	20.0	18.0	17.0	15.0	14.0	14.5	16.0	18.5	21.0	20.5
77.5°	4.0	4.5	5.0	6.0	5.0	5.0	5.0	6.0	6.0	6.5	6.0
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
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)