

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: P630921

Luminaire Tested: GWS-SA1E-760-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630921
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-SA1E-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: 5379.6 lumens
Efficiency: N/A
Efficacy: 92.1 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

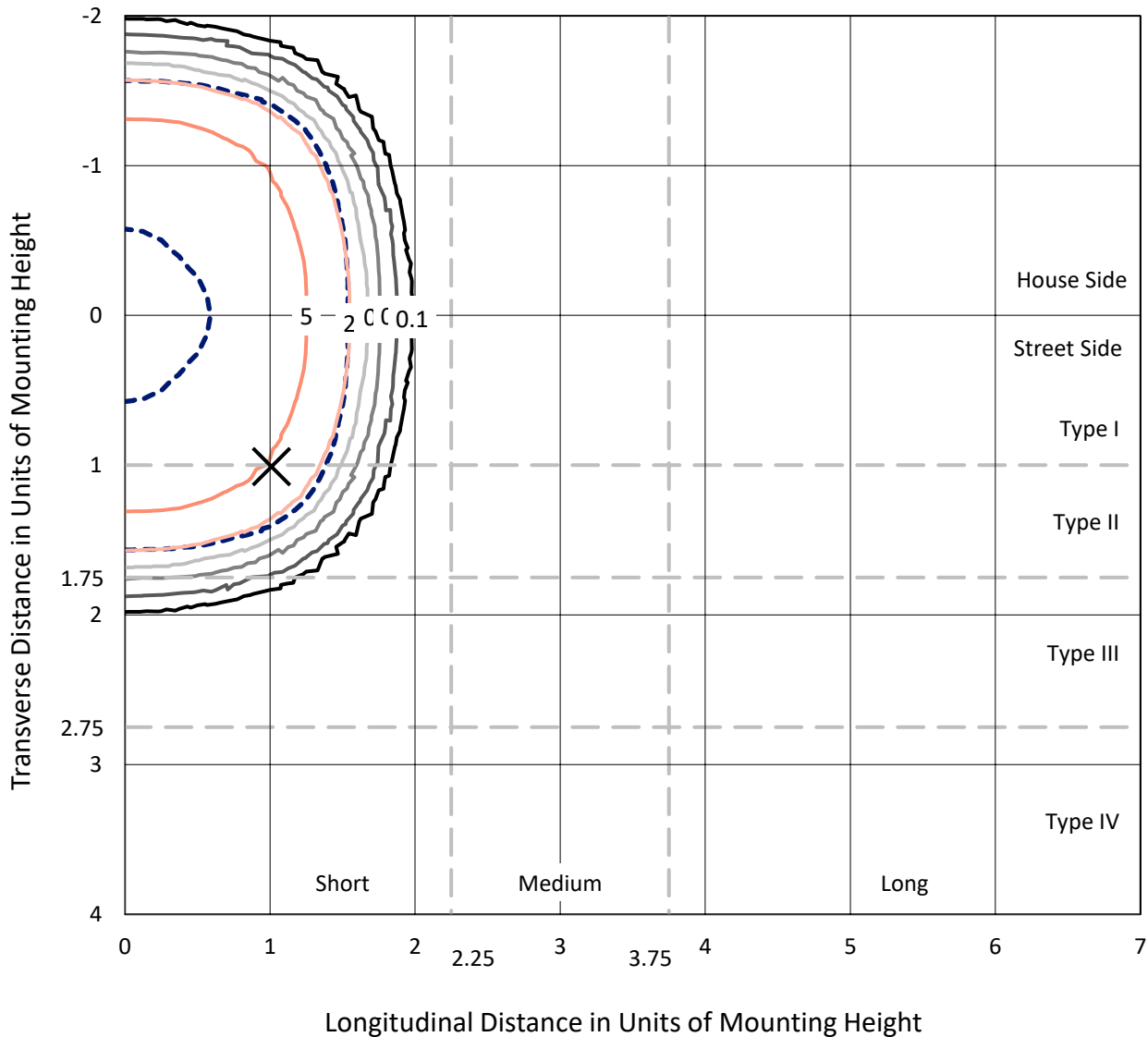
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630921
 CATALOG NUMBER: GWS-SA1E-760-U-5NQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

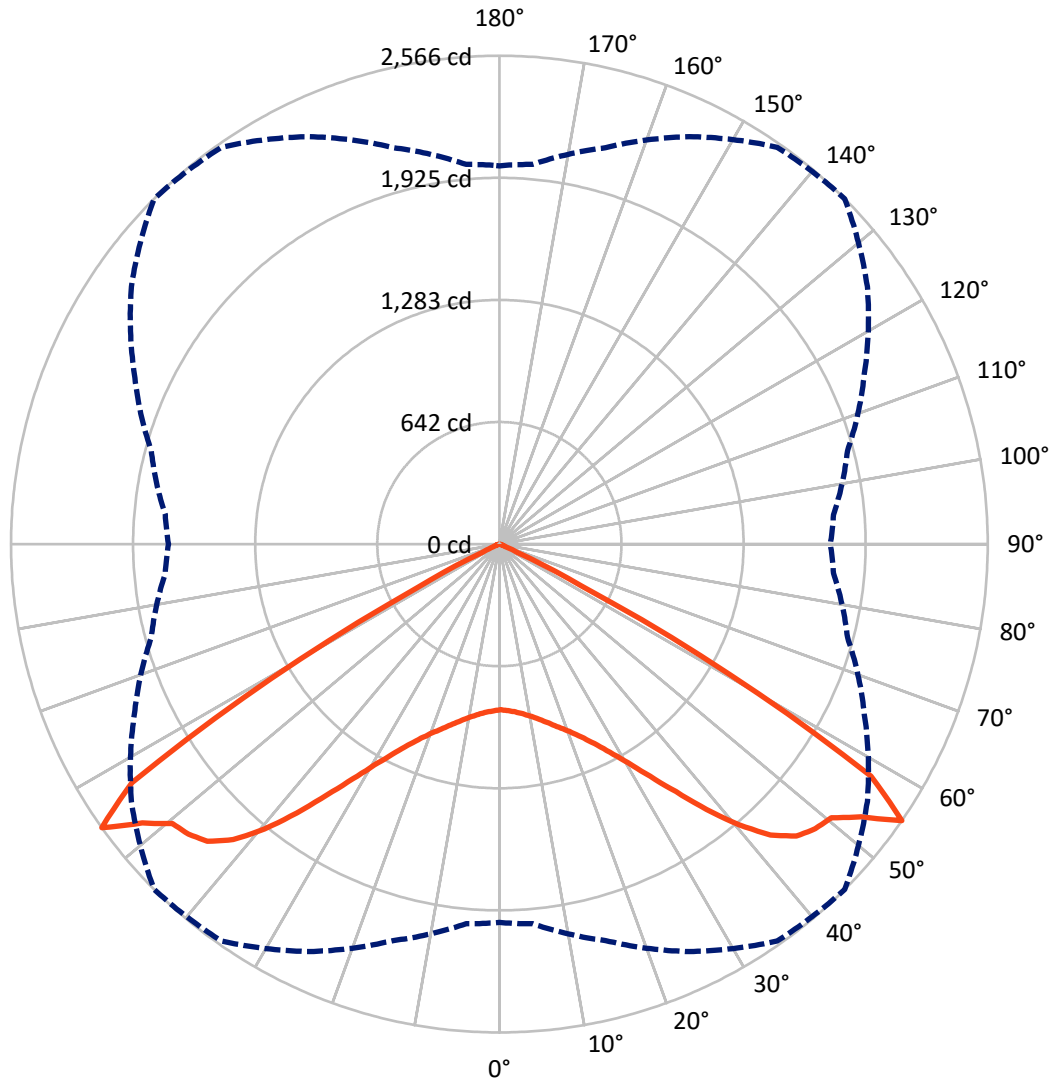
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.8 fc
 Type V - Short - N/A

REPORT NUMBER: P630921
CATALOG NUMBER: GWS-SA1E-760-U-5NQ-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P630921

CATALOG NUMBER: GWS-SA1E-760-U-5NQ-W-GRSBK

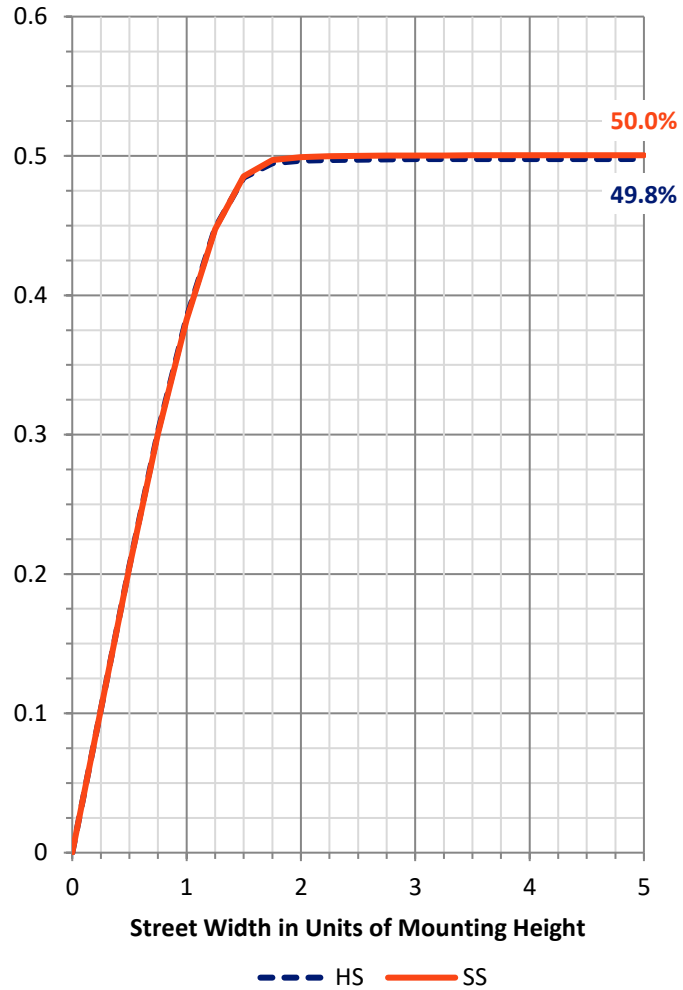
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2689.8	0.0	2689.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2689.8	0.0	2689.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	5379.6	0.0	5379.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.2	1.6
10°-20°	276.2	5.1
20°-30°	535.0	9.9
30°-40°	958.4	17.8
40°-50°	1606.9	29.9
50°-60°	1720.1	32.0
60°-70°	189.0	3.5
70°-80°	8.3	0.2
80°-90°	0.4	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°	5379.6	100.0
0°-180°	5379.6	100.0

Coefficient of Utilization



REPORT NUMBER: P630921

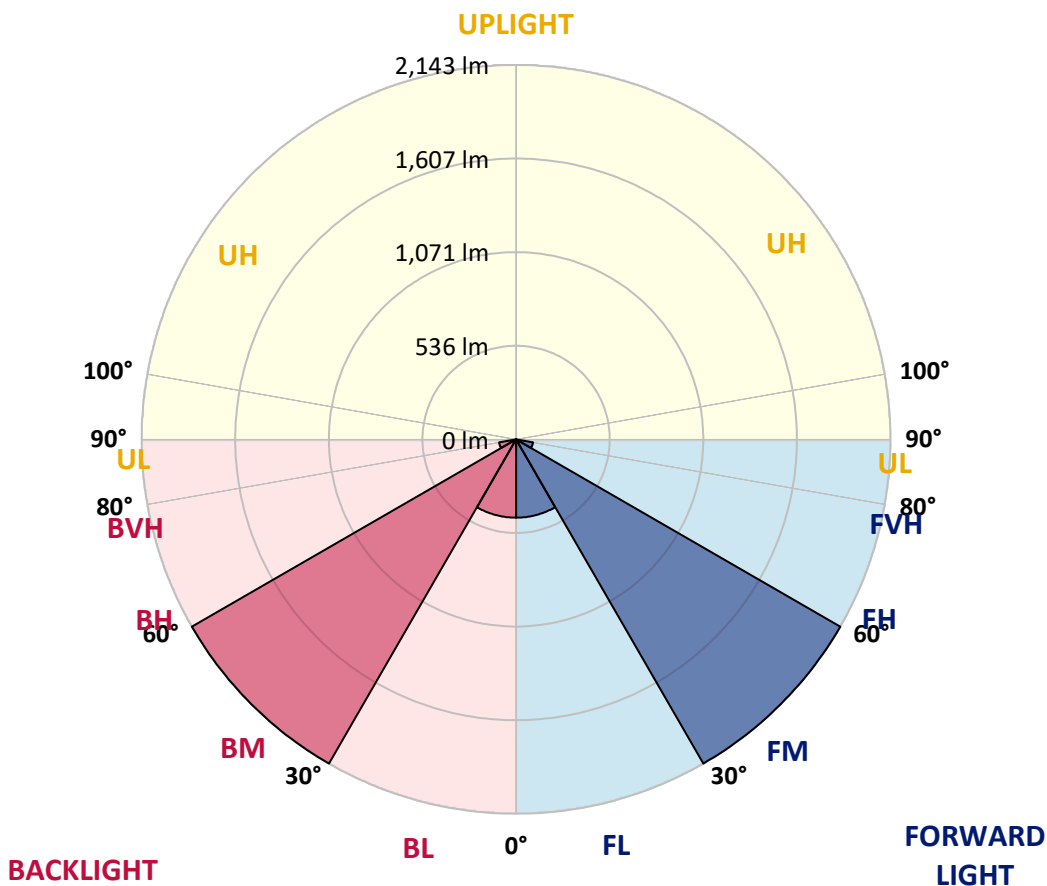
CATALOG NUMBER: GWS-SA1E-760-U-5NQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	448.2	8.3			
FM (30°-60°)	2142.7	39.8			
FH (60°-80°)	98.7	1.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	448.2	8.3	B1/500		
BM (30°-60°)	2142.7	39.8	B2/2500		
BH (60°-80°)	98.7	1.8	B0/110		G0/660
BVH (80°-90°)	0.2	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: P630921
 CATALOG NUMBER: GWS-SA1E-760-U-5NQ-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	869.8	869.8	869.8	869.8	869.8	869.8	869.8	869.8	869.8	869.8	869.8
2.5°	868.1	868.1	870.3	872.0	872.0	876.4	874.7	873.1	873.1	870.9	875.3
5°	880.7	880.2	882.4	883.5	881.3	885.7	882.9	881.3	880.2	878.0	882.4
7.5°	894.4	895.0	895.5	897.7	896.6	901.0	898.8	895.5	894.4	891.2	895.5
10°	910.9	910.9	912.0	914.7	915.3	920.7	918.6	914.7	911.4	908.1	912.5
12.5°	931.7	932.3	933.9	937.7	939.9	946.0	942.7	935.0	930.1	926.2	931.2
15°	961.9	961.3	963.5	969.0	971.7	976.1	971.2	960.8	954.7	950.3	953.6
17.5°	994.7	994.7	995.8	1001.3	1005.1	1011.7	1005.7	993.1	987.6	981.6	984.9
20°	1030.9	1032.6	1033.6	1037.5	1044.1	1050.6	1045.7	1033.1	1027.1	1019.4	1023.2
22.5°	1078.6	1076.9	1077.5	1084.1	1093.4	1100.0	1096.1	1081.3	1070.9	1064.9	1067.1
25°	1131.8	1131.2	1132.8	1142.7	1153.1	1160.3	1154.8	1135.6	1125.2	1114.8	1119.1
27.5°	1197.0	1197.5	1198.6	1210.7	1227.1	1237.5	1223.8	1204.6	1190.4	1176.7	1180.0
30°	1274.2	1273.2	1276.4	1292.9	1317.0	1333.4	1317.5	1290.7	1270.4	1257.3	1258.9
32.5°	1356.5	1357.6	1366.3	1392.6	1424.4	1453.5	1421.1	1385.5	1359.2	1334.5	1337.8
35°	1445.2	1448.0	1467.7	1506.6	1558.7	1597.6	1552.7	1494.0	1456.8	1425.0	1426.1
37.5°	1549.9	1556.5	1583.9	1642.0	1716.5	1768.6	1702.8	1625.0	1576.8	1537.3	1534.6
40°	1687.5	1695.2	1732.4	1801.5	1891.9	1939.6	1863.4	1783.4	1723.7	1680.9	1674.3
42.5°	1845.3	1855.2	1895.8	1966.5	2056.9	2089.2	2014.7	1947.3	1893.6	1843.1	1840.9
45°	2023.5	2028.9	2061.8	2116.1	2181.3	2189.0	2133.1	2095.8	2041.5	1994.4	1990.6
47.5°	2190.6	2196.1	2218.6	2246.5	2261.9	2234.5	2224.6	2208.2	2138.0	2079.9	2067.8
50°	2317.8	2322.1	2350.1	2361.1	2318.3	2260.2	2279.4	2244.3	2168.1	2102.9	2084.3
52.5°	2309.0	2320.0	2391.8	2454.2	2427.4	2380.2	2328.7	2253.1	2134.7	2045.4	2022.4
55°	1987.8	2002.6	2156.6	2362.2	2545.8	2566.0	2360.0	2116.1	1893.6	1762.6	1739.0
57.5°	1277.5	1281.4	1469.4	1757.6	2171.4	2301.9	1957.1	1595.4	1318.6	1174.5	1164.6
60°	469.7	462.0	604.0	842.9	1250.7	1388.8	1152.0	806.8	575.5	473.5	465.3
62.5°	112.9	114.0	141.4	212.1	392.4	485.6	383.6	214.3	136.5	114.5	113.4
65°	57.0	55.9	56.5	60.8	83.9	100.3	82.2	58.1	55.9	56.5	55.9
67.5°	36.7	36.2	37.3	37.8	37.3	35.1	34.5	35.6	35.6	36.2	35.1
70°	22.5	21.9	23.0	24.7	23.6	20.8	21.9	23.0	21.9	21.4	21.4
72.5°	12.1	12.1	13.2	14.2	13.2	12.1	12.1	12.6	12.1	12.1	12.1
75°	5.5	5.5	6.0	6.6	5.5	5.5	5.5	5.5	5.5	5.5	5.5
77.5°	1.6	1.6	2.2	2.2	1.6	1.6	1.6	1.6	2.2	2.2	2.2
80°	0.5	1.1	1.1	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.1
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
85°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
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)