

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: P632410

Luminaire Tested: GWS-SA2C-760-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632410
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-760-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7886.1 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

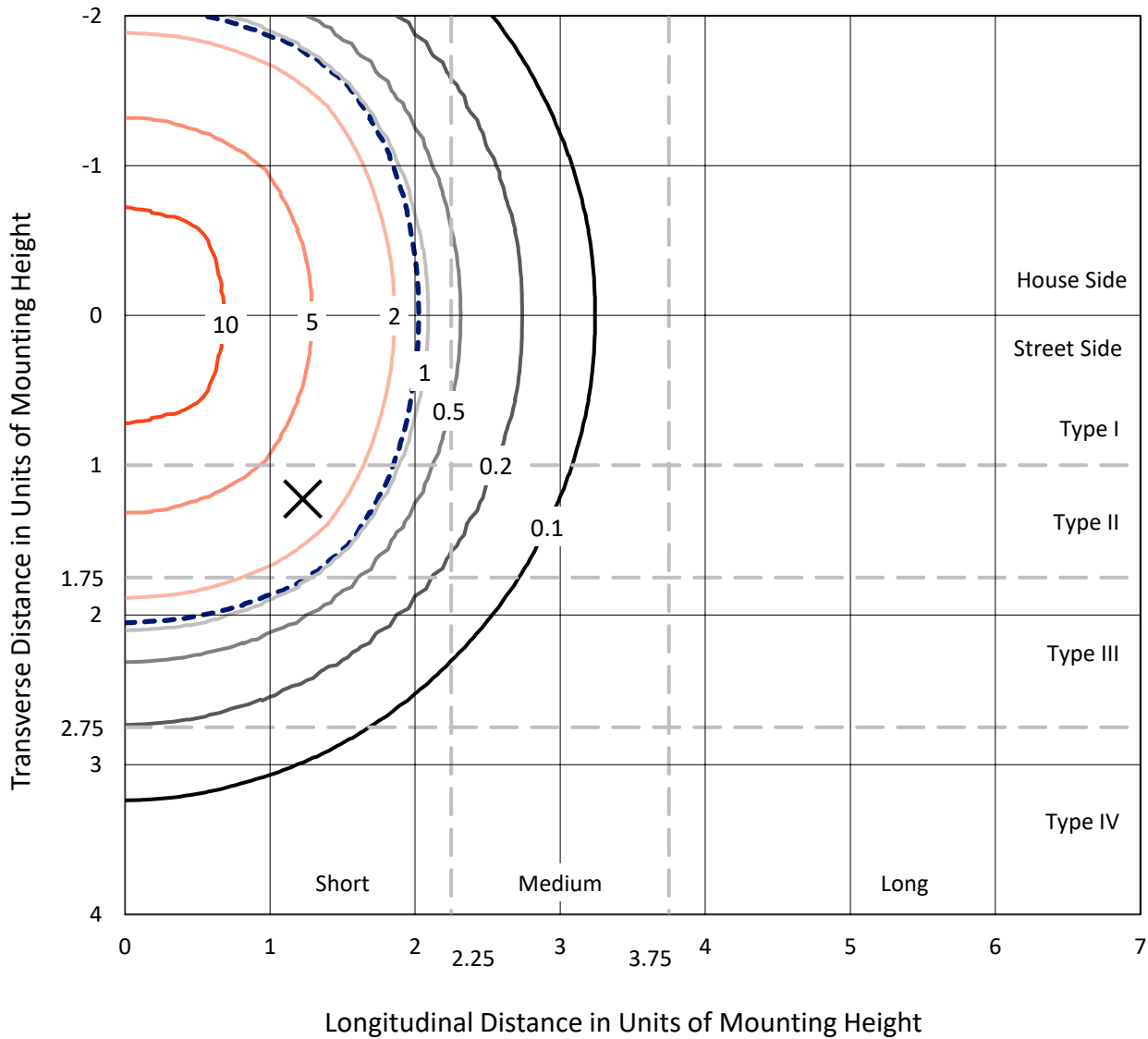
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632410
 CATALOG NUMBER: GWS-SA2C-760-U-5WQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

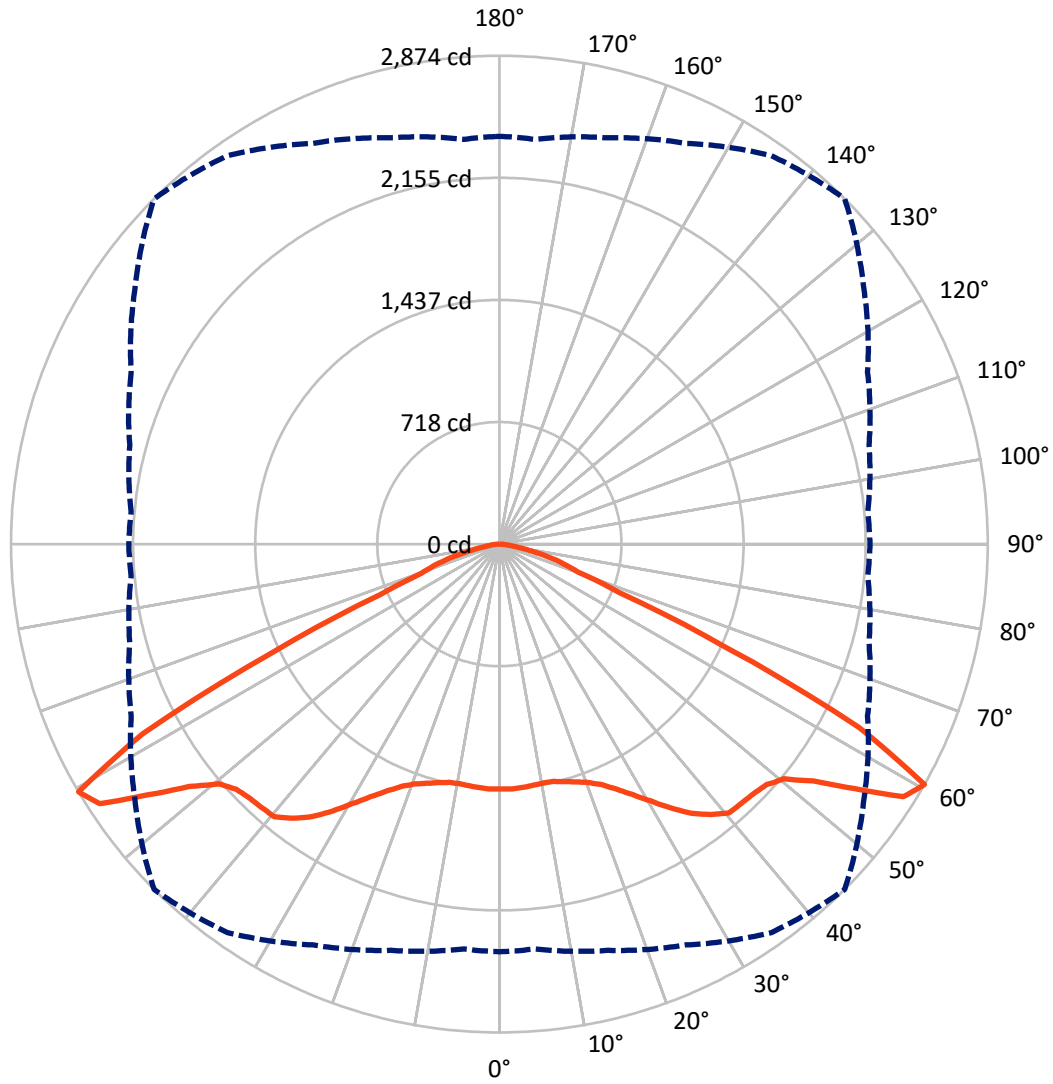
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.4 fc
 Type V - Short - N/A

REPORT NUMBER: P632410
CATALOG NUMBER: GWS-SA2C-760-U-5WQ-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P632410

CATALOG NUMBER: GWS-SA2C-760-U-5WQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3943.1	0.0	3943.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3943.1	0.0	3943.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	7886.1	0.0	7886.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.7	1.7
10°-20°	411.1	5.2
20°-30°	727.3	9.2
30°-40°	1171.0	14.8
40°-50°	1609.5	20.4
50°-60°	2144.8	27.2
60°-70°	1336.7	17.0
70°-80°	307.4	3.9
80°-90°	41.7	0.5
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°	7886.1	100.0
0°-180°	7886.1	100.0

Coefficient of Utilization



REPORT NUMBER: P632410

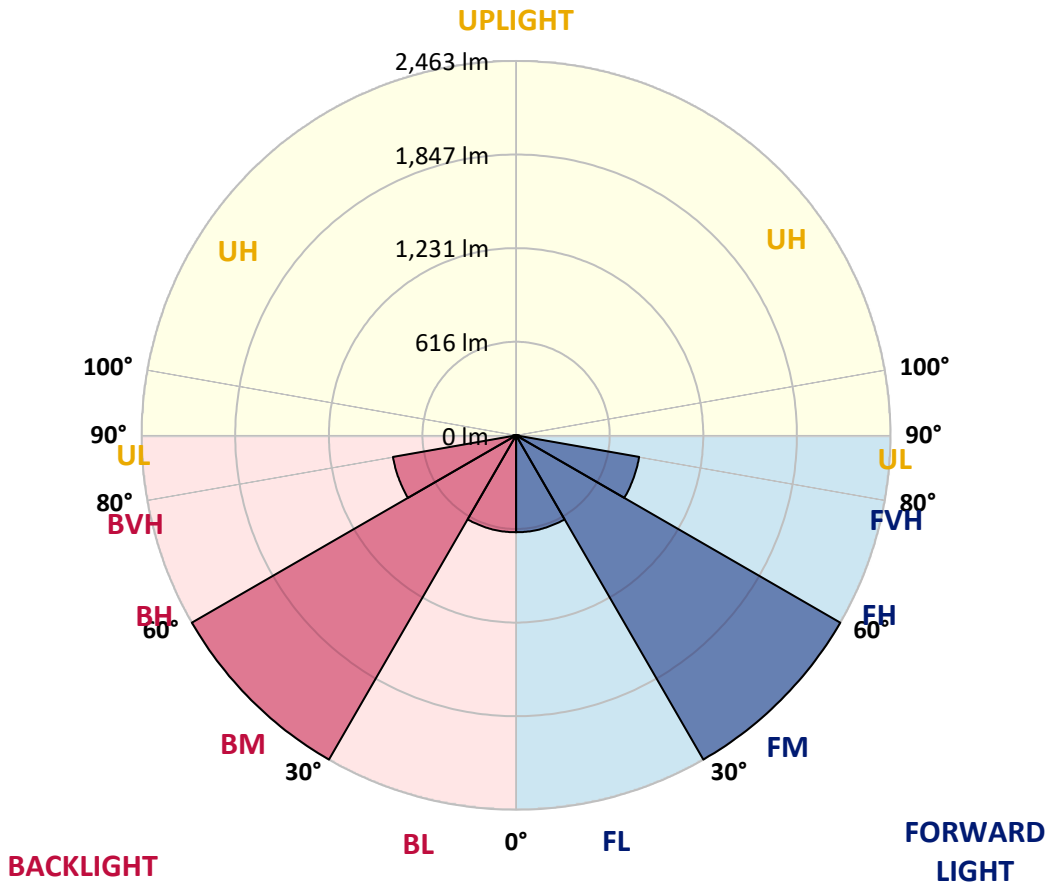
CATALOG NUMBER: GWS-SA2C-760-U-5WQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	637.5	8.1			
FM (30°-60°)	2462.6	31.2			
FH (60°-80°)	822.1	10.4			G1/1800
FVH (80°-90°)	20.8	0.3			G1/100
BL (0°-30°)	637.5	8.1	B2/1000		
BM (30°-60°)	2462.6	31.2	B2/2500		
BH (60°-80°)	822.1	10.4	B2/1000		G1/1800
BVH (80°-90°)	20.8	0.3			G1/100
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





REPORT NUMBER: P632410

CATALOG NUMBER: GWS-SA2C-760-U-5WQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1441.2	1441.2	1441.2	1441.2	1441.2	1441.2	1441.2	1441.2	1441.2	1441.2	1441.2
2.5°	1431.1	1432.5	1435.1	1437.2	1439.8	1442.5	1443.9	1441.2	1439.8	1434.5	1440.5
5°	1432.5	1433.8	1435.8	1435.8	1436.5	1438.5	1438.5	1435.1	1431.8	1425.8	1432.5
7.5°	1430.5	1431.8	1432.5	1431.8	1432.5	1433.1	1431.8	1427.8	1424.4	1419.1	1424.4
10°	1427.1	1428.5	1429.8	1428.5	1427.1	1429.1	1429.1	1426.4	1424.4	1419.1	1425.1
12.5°	1434.5	1436.5	1437.2	1433.8	1432.5	1433.1	1433.1	1430.5	1430.5	1425.8	1432.5
15°	1451.9	1453.2	1451.2	1447.2	1447.9	1449.9	1445.2	1438.5	1437.2	1435.1	1440.5
17.5°	1465.3	1466.6	1464.6	1461.9	1466.6	1471.3	1462.6	1449.9	1445.9	1444.5	1450.5
20°	1480.0	1482.0	1479.3	1482.7	1492.0	1497.4	1486.7	1469.3	1461.3	1459.2	1466.6
22.5°	1504.1	1506.8	1506.8	1514.1	1528.2	1536.9	1523.5	1500.1	1488.0	1484.7	1492.0
25°	1542.2	1544.3	1546.3	1561.0	1583.8	1595.8	1574.4	1542.2	1525.5	1520.2	1524.2
27.5°	1595.1	1598.5	1601.8	1623.2	1651.4	1668.8	1638.0	1597.8	1577.1	1566.3	1574.4
30°	1658.1	1662.7	1670.8	1694.9	1734.4	1753.8	1714.3	1665.4	1642.0	1630.6	1641.3
32.5°	1743.7	1744.4	1750.4	1777.2	1829.4	1851.5	1802.0	1747.7	1723.7	1710.3	1716.3
35°	1845.5	1846.1	1836.8	1864.2	1920.4	1945.2	1887.0	1832.1	1812.0	1808.0	1823.4
37.5°	1949.9	1943.9	1934.5	1946.6	2003.5	2019.5	1957.9	1911.1	1902.4	1909.7	1932.5
40°	2024.2	2014.2	1995.4	2004.1	2061.7	2080.4	2014.8	1970.7	1968.0	1986.0	2013.5
42.5°	2072.4	2061.7	2039.6	2039.6	2079.1	2087.1	2036.3	2012.8	2018.8	2039.6	2065.7
45°	2095.8	2089.8	2077.1	2070.4	2092.5	2095.8	2057.0	2047.6	2059.0	2069.1	2089.1
47.5°	2113.9	2113.9	2109.9	2103.2	2113.2	2115.2	2086.5	2083.8	2098.5	2098.5	2111.9
50°	2146.0	2149.4	2154.7	2153.4	2164.1	2170.8	2149.4	2145.4	2151.4	2132.0	2138.7
52.5°	2230.4	2239.1	2254.5	2266.5	2294.0	2314.7	2276.6	2244.4	2213.0	2170.1	2171.5
55°	2381.7	2385.7	2415.8	2451.3	2497.5	2539.6	2461.3	2361.6	2293.3	2243.1	2243.8
57.5°	2509.5	2515.5	2559.7	2634.0	2737.8	2803.4	2630.0	2463.3	2366.9	2305.3	2307.4
60°	2399.1	2391.0	2474.7	2601.9	2790.0	2873.6	2617.9	2390.4	2251.8	2175.5	2180.8
62.5°	1856.2	1840.8	1933.8	2067.0	2292.6	2376.3	2140.7	1922.5	1791.3	1731.7	1723.0
65°	1129.9	1115.9	1182.8	1264.5	1417.1	1470.0	1362.2	1246.4	1131.9	1095.8	1085.7
67.5°	615.2	613.2	631.2	671.4	738.3	763.1	742.3	687.5	658.0	632.6	632.6
70°	488.0	484.0	480.6	481.3	487.3	490.7	491.3	488.6	492.0	492.7	490.0
72.5°	404.3	403.0	396.3	396.9	394.3	392.9	397.6	400.3	405.6	406.3	406.3
75°	293.2	289.8	293.2	293.9	291.2	291.2	294.5	293.9	296.5	297.9	290.5
77.5°	166.7	166.7	171.4	176.7	180.7	180.7	184.1	184.1	187.4	186.8	185.4
80°	91.7	91.7	94.4	97.7	101.7	105.8	109.1	109.8	111.8	111.1	109.1
82.5°	52.2	52.9	54.2	56.2	60.2	63.6	66.9	67.6	69.6	69.6	67.6
85°	24.8	24.1	24.8	26.1	28.1	30.8	34.1	36.1	37.5	37.5	36.1
87.5°	4.7	5.4	4.7	5.4	6.0	8.0	9.4	10.7	12.7	13.4	12.0
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)