

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: P637361

Luminaire Tested: GWS-SA4C-760-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637361
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-760-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (64) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19854.6 lumens
Efficiency: N/A
Efficacy: 154.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

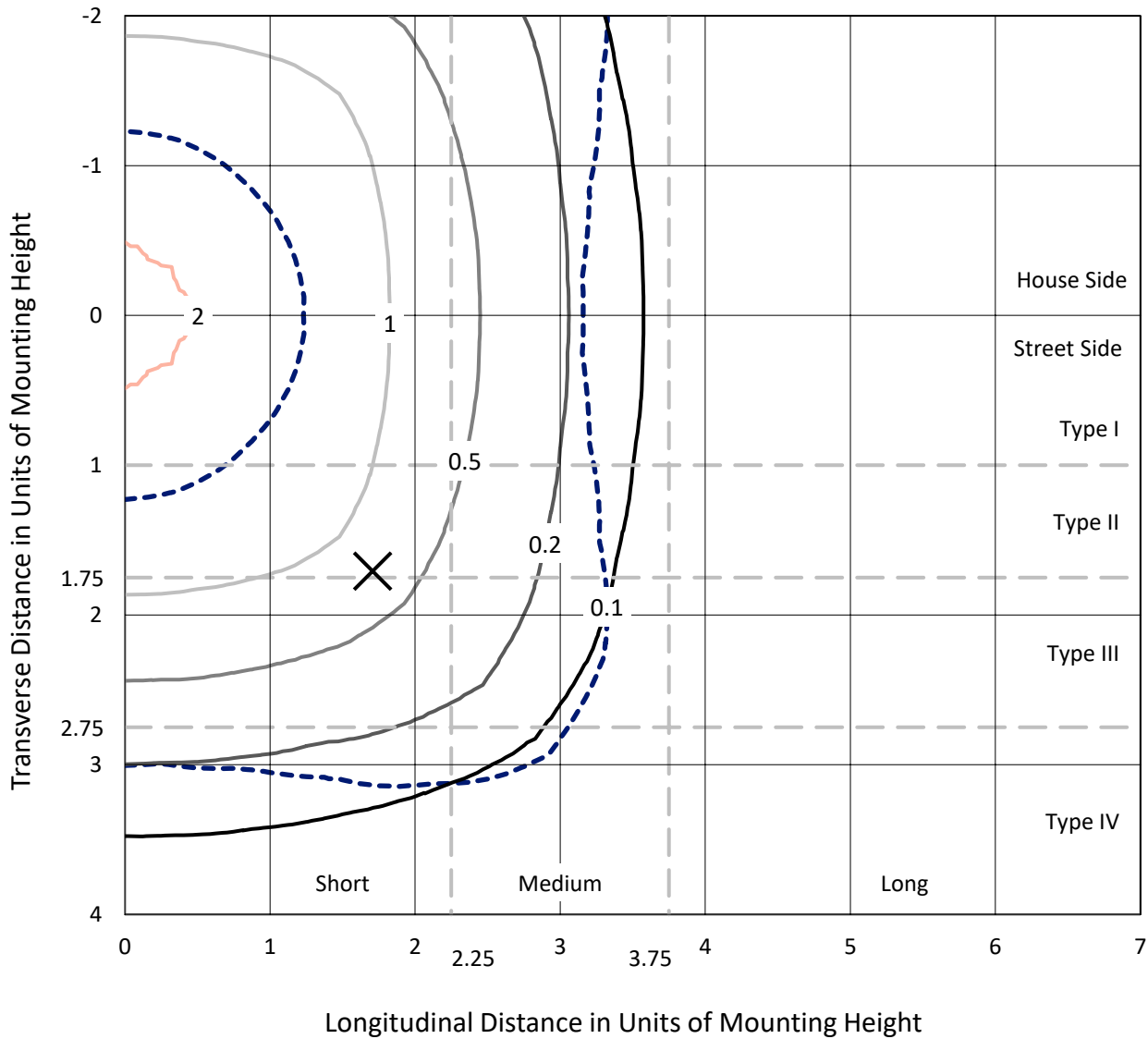
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637361
 CATALOG NUMBER: GWS-SA4C-760-U-5WQ-W

Iso-Footcandle Lines of Horizontal Illumination

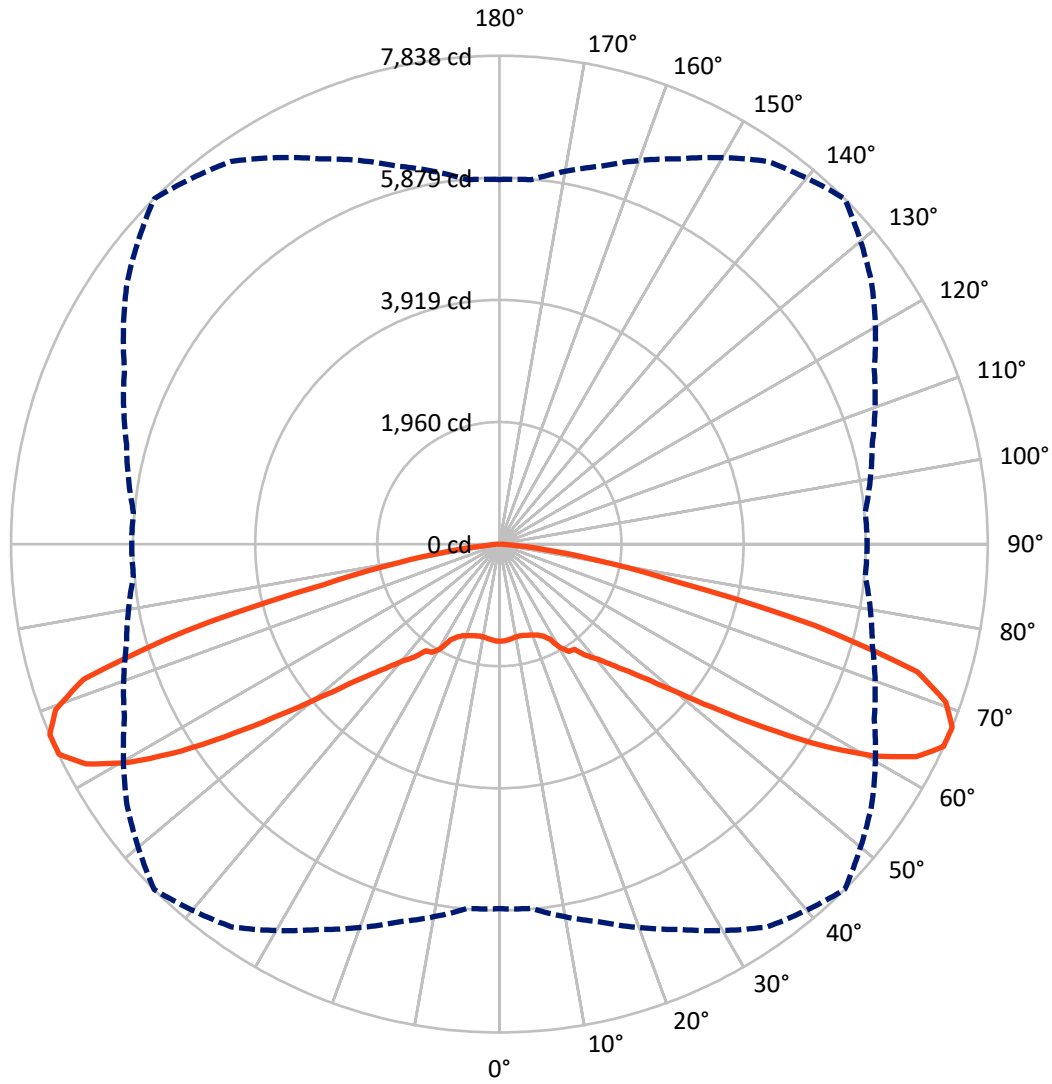
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - N/A

REPORT NUMBER: P637361
CATALOG NUMBER: GWS-SA4C-760-U-5WQ-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P637361

CATALOG NUMBER: GWS-SA4C-760-U-5WQ-W

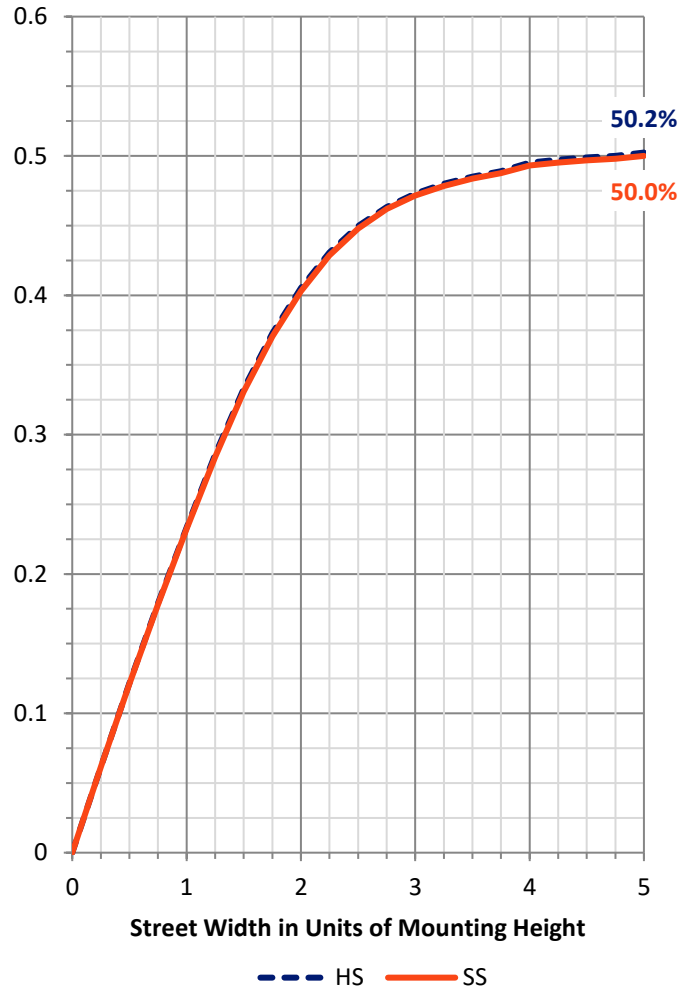
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9927.3	0.0	9927.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9927.3	0.0	9927.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	19854.6	0.0	19854.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.2	0.7
10°-20°	433.8	2.2
20°-30°	778.2	3.9
30°-40°	1314.7	6.6
40°-50°	2309.9	11.6
50°-60°	4455.8	22.4
60°-70°	6464.8	32.6
70°-80°	3698.8	18.6
80°-90°	252.5	1.3
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°	19854.6	100.0
0°-180°	19854.6	100.0

Coefficient of Utilization



REPORT NUMBER: P637361

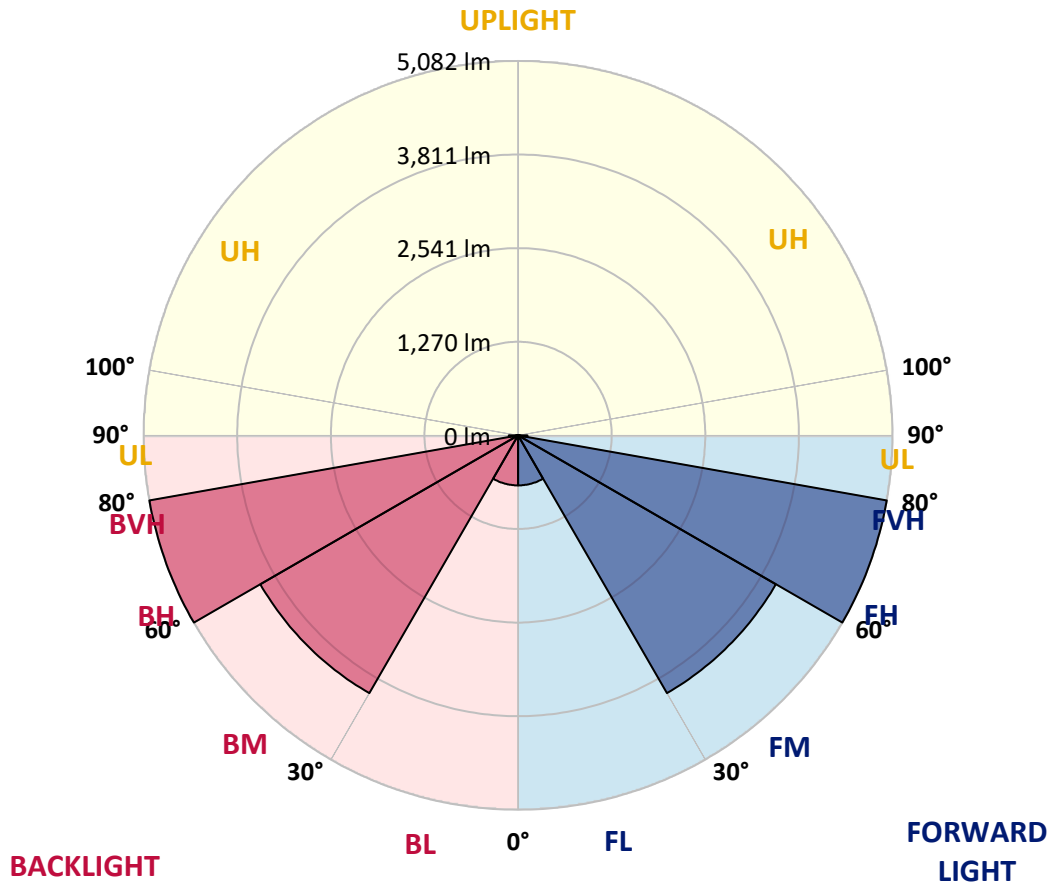
CATALOG NUMBER: GWS-SA4C-760-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	679.1	3.4			
FM (30°-60°)	4040.2	20.3			
FH (60°-80°)	5081.8	25.6			G3/7500
FVH (80°-90°)	126.2	0.6			G2/225
BL (0°-30°)	679.1	3.4	B2/1000		
BM (30°-60°)	4040.2	20.3	B3/5000		
BH (60°-80°)	5081.8	25.6	B5		G3/7500
BVH (80°-90°)	126.2	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





REPORT NUMBER: P637361
 CATALOG NUMBER: GWS-SA4C-760-U-5WQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0
2.5°	1544.4	1545.8	1548.6	1548.6	1551.4	1555.6	1557.0	1554.2	1555.6	1548.6	1555.6
5°	1540.2	1541.6	1543.0	1540.2	1540.2	1541.6	1541.6	1538.8	1540.2	1533.1	1540.2
7.5°	1530.3	1531.7	1531.7	1527.5	1523.3	1526.1	1526.1	1523.3	1524.7	1517.7	1526.1
10°	1521.9	1521.9	1520.5	1512.1	1507.9	1512.1	1513.5	1514.9	1520.5	1514.9	1524.7
12.5°	1527.5	1527.5	1523.3	1512.1	1505.1	1507.9	1510.7	1513.5	1523.3	1521.9	1533.1
15°	1543.0	1544.4	1533.1	1520.5	1516.3	1520.5	1517.7	1516.3	1528.9	1533.1	1545.8
17.5°	1555.6	1555.6	1541.6	1528.9	1530.3	1537.4	1531.7	1524.7	1537.4	1545.8	1559.8
20°	1566.8	1565.4	1550.0	1541.6	1547.2	1557.0	1552.8	1543.0	1551.4	1561.2	1573.9
22.5°	1594.9	1593.5	1576.7	1572.4	1578.1	1587.9	1583.7	1575.3	1585.1	1599.1	1614.6
25°	1674.9	1672.1	1646.9	1632.8	1630.0	1637.0	1635.6	1632.8	1648.3	1665.1	1683.4
27.5°	1781.6	1780.2	1762.0	1747.9	1729.7	1724.1	1728.3	1740.9	1763.4	1776.0	1791.5
30°	1835.0	1835.0	1832.2	1854.6	1894.0	1931.9	1902.4	1854.6	1835.0	1829.4	1844.8
32.5°	1905.2	1912.2	1902.4	1927.7	1993.6	2049.8	1993.6	1916.4	1902.4	1902.4	1919.2
35°	2066.6	2069.5	2054.0	2049.8	2070.9	2077.9	2051.2	2023.1	2038.6	2041.4	2062.4
37.5°	2195.8	2195.8	2188.8	2200.0	2243.5	2270.2	2226.7	2176.2	2180.4	2183.2	2209.9
40°	2395.2	2400.8	2383.9	2382.5	2399.4	2423.3	2376.9	2344.6	2367.1	2374.1	2414.8
42.5°	2643.7	2643.7	2618.4	2611.4	2622.6	2647.9	2604.4	2583.3	2612.8	2618.4	2642.3
45°	2939.9	2946.9	2913.2	2900.6	2906.2	2914.6	2883.8	2873.9	2902.0	2914.6	2956.8
47.5°	3300.7	3307.8	3278.3	3276.9	3271.3	3276.9	3247.4	3241.8	3264.2	3254.4	3299.3
50°	3745.8	3758.4	3733.2	3768.3	3764.1	3780.9	3740.2	3710.7	3710.7	3684.0	3709.3
52.5°	4244.2	4269.5	4282.1	4341.1	4386.0	4428.1	4360.7	4314.4	4247.0	4192.3	4261.1
55°	4787.5	4780.5	4860.6	4989.7	5121.7	5221.4	5089.4	4943.4	4833.9	4720.2	4746.8
57.5°	5263.5	5287.4	5392.7	5628.5	5889.7	6100.3	5863.0	5582.2	5333.7	5170.8	5193.3
60°	5659.4	5679.1	5819.5	6159.2	6615.5	6906.1	6529.9	6066.6	5705.7	5481.1	5505.0
62.5°	6024.4	6042.7	6184.5	6559.4	7135.0	7514.1	7028.3	6395.1	5993.6	5767.5	5781.6
65°	6235.0	6246.3	6440.0	6834.5	7441.1	7832.8	7285.2	6632.4	6237.9	6007.6	6016.0
67.5°	5851.8	5870.0	6278.6	6823.3	7500.0	7838.4	7296.4	6639.4	6195.7	5895.3	5902.3
70°	4616.3	4600.8	5088.0	6024.4	7161.7	7602.5	6972.1	6141.0	5455.8	5036.1	5029.0
72.5°	3519.8	3524.0	3794.9	4436.6	5839.1	7015.7	6152.2	4944.8	4206.3	3887.6	3875.0
75°	2552.4	2591.7	2812.2	3282.5	4084.2	5243.8	4631.7	3664.4	3170.2	2979.2	2951.2
77.5°	1149.9	1200.4	1507.9	2061.0	2730.7	2897.8	2909.0	2487.8	1877.1	1559.8	1510.7
80°	335.5	359.4	461.9	790.4	1272.0	1644.1	1305.7	1097.9	683.7	536.3	511.0
82.5°	141.8	161.5	198.0	219.0	369.2	762.4	474.5	301.9	280.8	227.4	207.8
85°	60.4	64.6	82.8	88.5	119.3	162.9	150.2	136.2	130.6	101.1	92.7
87.5°	25.3	25.3	25.3	22.5	21.1	22.5	30.9	39.3	51.9	40.7	37.9
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)