

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: P641478

Luminaire Tested: GWS-SA6B-722-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641478
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-722-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9528.8 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 138.9
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

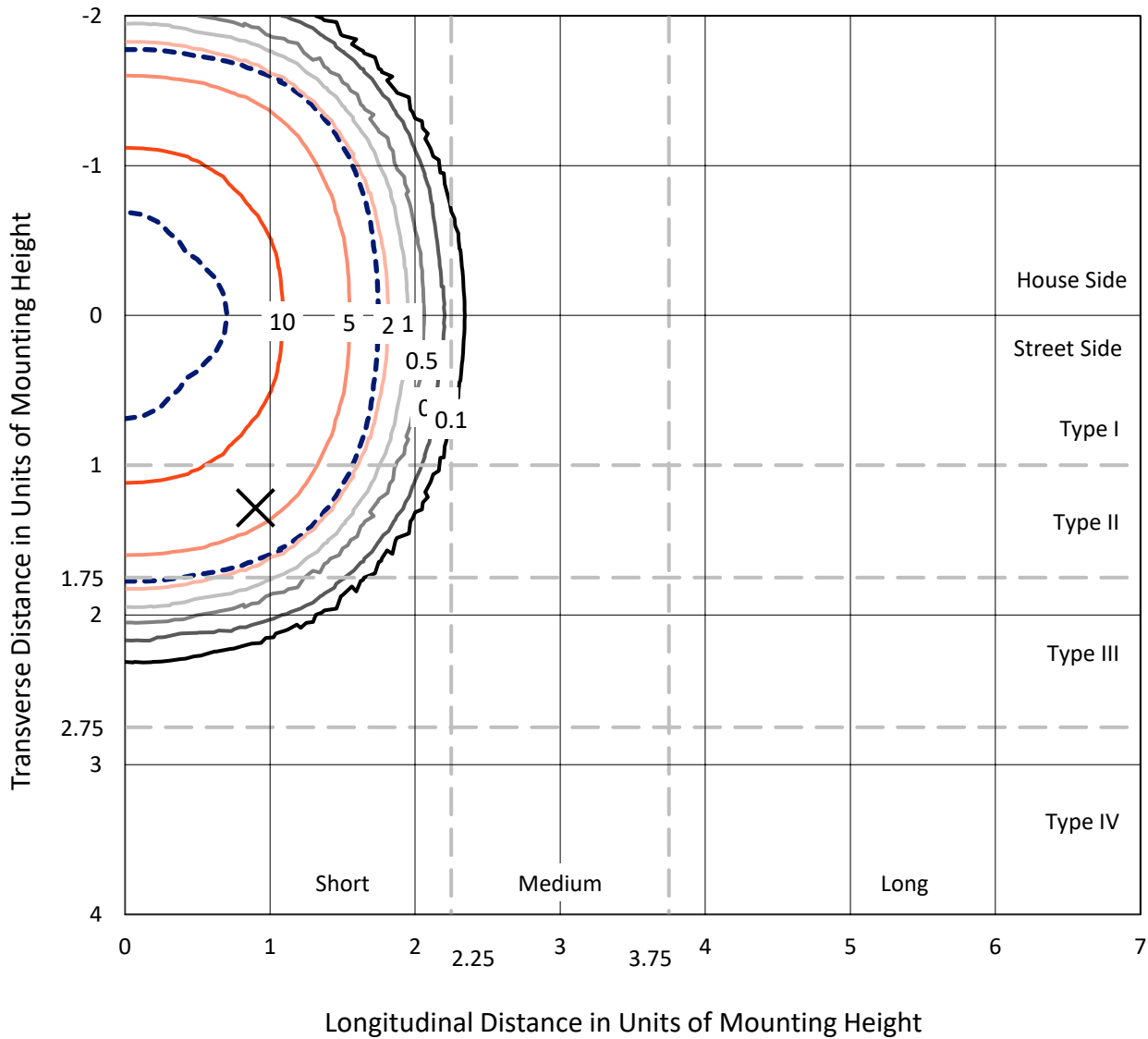


REPORT NUMBER: P641478

CATALOG NUMBER: GWS-SA6B-722-U-5MQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

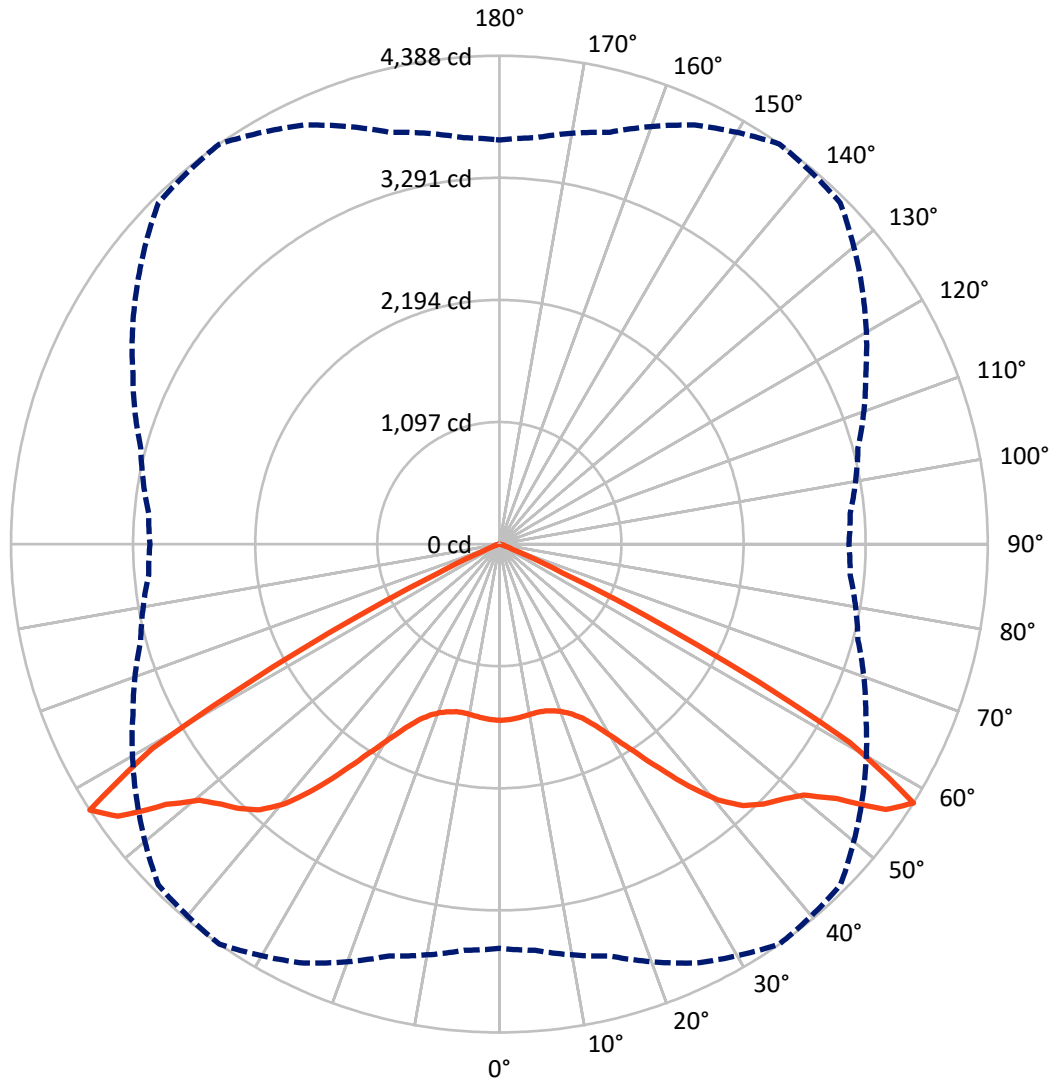
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.8 fc
 Type V - Short - N/A

REPORT NUMBER: P641478
CATALOG NUMBER: GWS-SA6B-722-U-5MQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P641478

CATALOG NUMBER: GWS-SA6B-722-U-5MQ-W-GRSBK

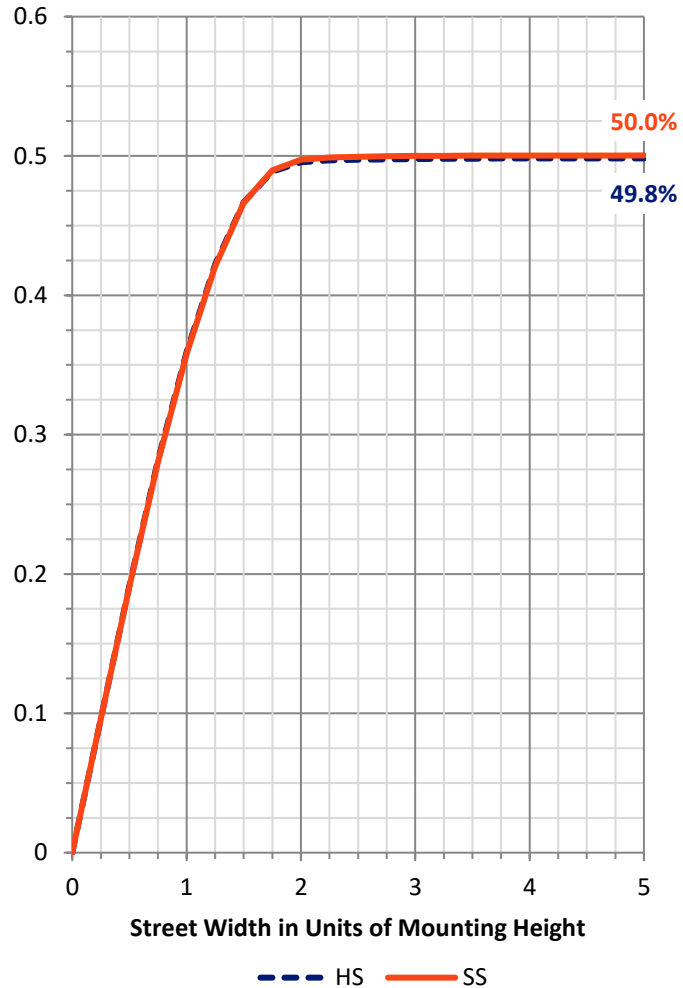
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4764.4	0.0	4764.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4764.4	0.0	4764.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	9528.8	0.0	9528.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.3	1.6
10°-20°	439.1	4.6
20°-30°	793.6	8.3
30°-40°	1480.6	15.5
40°-50°	2483.7	26.1
50°-60°	3280.0	34.4
60°-70°	871.1	9.1
70°-80°	30.9	0.3
80°-90°	0.5	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°	9528.8	100.0
0°-180°	9528.8	100.0

Coefficient of Utilization



REPORT NUMBER: P641478

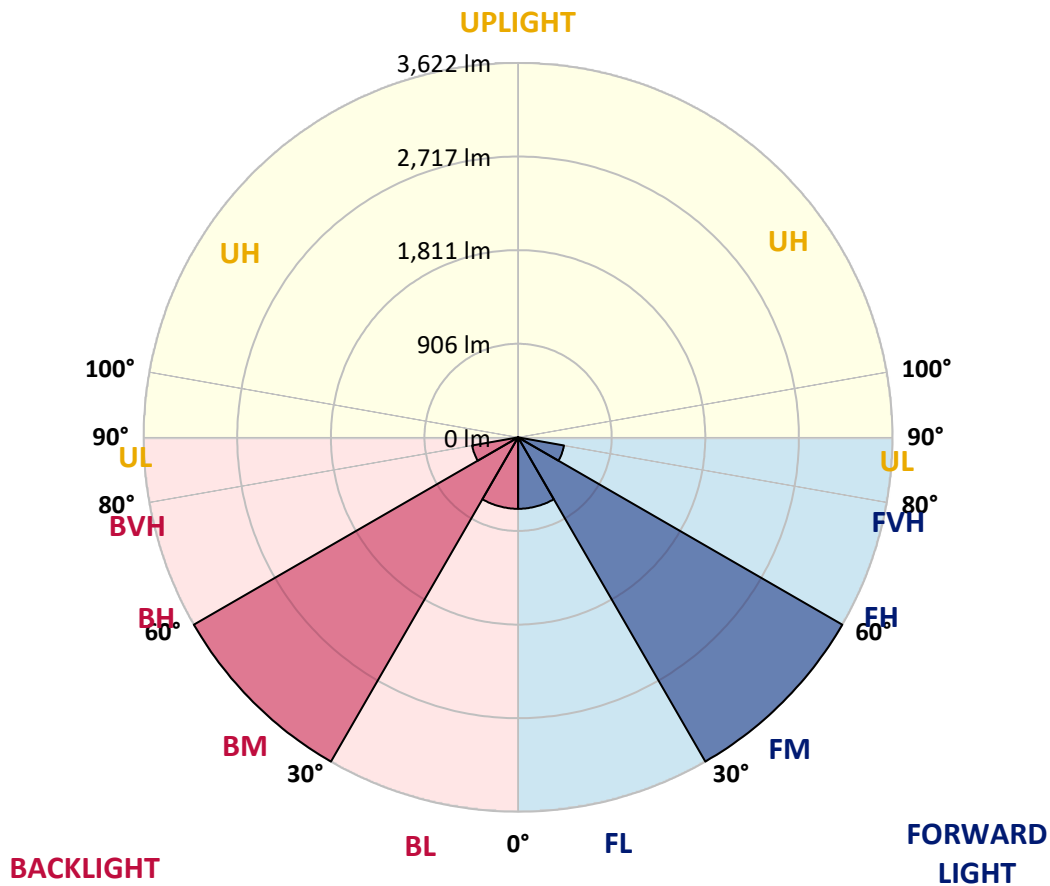
CATALOG NUMBER: GWS-SA6B-722-U-5MQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	691.0	7.3			
FM (30°-60°)	3622.1	38.0			
FH (60°-80°)	451.0	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	691.0	7.3	B2/1000		
BM (30°-60°)	3622.1	38.0	B3/5000		
BH (60°-80°)	451.0	4.7	B1/500		G0/660
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





REPORT NUMBER: P641478
 CATALOG NUMBER: GWS-SA6B-722-U-5MQ-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1584.2	1584.2	1584.2	1584.2	1584.2	1584.2	1584.2	1584.2	1584.2	1584.2	1584.2
2.5°	1573.1	1572.0	1576.4	1579.8	1579.8	1587.6	1585.4	1583.1	1580.9	1577.5	1585.4
5°	1570.8	1569.7	1573.1	1575.3	1573.1	1579.8	1575.3	1570.8	1568.6	1564.1	1573.1
7.5°	1560.8	1561.9	1564.1	1566.4	1563.0	1568.6	1563.0	1556.3	1550.7	1546.2	1554.1
10°	1545.1	1546.2	1548.5	1552.9	1554.1	1561.9	1554.1	1541.8	1533.9	1527.2	1535.1
12.5°	1537.3	1538.4	1541.8	1547.4	1548.5	1558.5	1548.5	1530.6	1519.4	1511.6	1519.4
15°	1539.5	1541.8	1546.2	1552.9	1555.2	1565.2	1551.8	1528.3	1512.7	1502.6	1509.3
17.5°	1547.4	1549.6	1556.3	1567.5	1575.3	1585.4	1568.6	1538.4	1517.2	1502.6	1509.3
20°	1557.4	1560.8	1572.0	1589.8	1606.6	1624.5	1603.3	1561.9	1533.9	1516.0	1521.6
22.5°	1585.4	1588.7	1604.4	1627.9	1655.8	1678.2	1652.4	1599.9	1561.9	1538.4	1544.0
25°	1642.4	1645.7	1665.9	1696.1	1731.8	1760.9	1728.5	1662.5	1613.3	1586.5	1588.7
27.5°	1731.8	1735.2	1758.7	1801.1	1849.2	1890.6	1843.6	1766.5	1710.6	1679.3	1679.3
30°	1844.7	1849.2	1880.5	1937.5	2012.5	2067.2	2003.5	1909.6	1838.0	1795.6	1796.7
32.5°	1990.1	1985.6	2030.3	2108.6	2214.8	2287.5	2193.6	2079.5	1991.2	1932.0	1937.5
35°	2176.8	2175.7	2226.0	2332.2	2470.8	2558.1	2446.3	2298.7	2192.5	2132.1	2133.2
37.5°	2417.2	2416.1	2474.2	2589.4	2755.9	2828.6	2703.4	2553.6	2439.5	2381.4	2388.1
40°	2698.9	2692.2	2743.6	2854.3	3020.9	3067.9	2931.5	2810.7	2701.2	2664.3	2682.2
42.5°	2967.3	2952.7	2982.9	3083.5	3212.1	3218.8	3116.0	3033.2	2958.3	2929.2	2940.4
45°	3183.0	3171.9	3199.8	3257.9	3331.7	3298.2	3249.0	3223.3	3162.9	3131.6	3141.7
47.5°	3344.0	3344.0	3377.6	3413.3	3424.5	3363.0	3370.9	3370.9	3310.5	3261.3	3249.0
50°	3482.7	3492.7	3543.0	3579.9	3543.0	3464.8	3509.5	3500.6	3377.6	3279.2	3253.5
52.5°	3704.0	3714.1	3791.2	3841.6	3800.2	3723.0	3728.6	3616.8	3435.7	3319.4	3279.2
55°	3938.8	3963.4	4075.2	4209.4	4210.5	4131.1	3983.5	3785.7	3565.4	3439.1	3397.7
57.5°	3631.4	3664.9	3831.5	4154.6	4388.3	4333.5	3981.3	3633.6	3336.2	3164.0	3140.5
60°	2498.8	2556.9	2723.5	3165.1	3615.7	3637.0	3221.0	2830.9	2489.9	2277.4	2281.9
62.5°	1055.4	1114.7	1208.6	1572.0	1985.6	2011.3	1810.1	1530.6	1252.2	1099.0	1122.5
65°	248.2	265.0	292.9	434.9	630.6	659.6	608.2	474.0	349.9	296.3	301.9
67.5°	108.4	110.7	105.1	111.8	138.6	142.0	137.5	120.7	114.0	116.3	116.3
70°	76.0	77.1	72.7	69.3	66.0	61.5	63.7	70.4	76.0	80.5	79.4
72.5°	47.0	48.1	49.2	49.2	45.8	41.4	43.6	48.1	49.2	50.3	49.2
75°	23.5	24.6	26.8	28.0	26.8	25.7	25.7	26.8	26.8	25.7	25.7
77.5°	4.5	5.6	7.8	8.9	8.9	8.9	8.9	8.9	10.1	8.9	8.9
80°	1.1	1.1	2.2	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2
82.5°	1.1	1.1	1.1	1.1	0.0	0.0	1.1	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
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)