

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: P641814

Luminaire Tested: GWS-SA6B-760-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641814
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-SA6B-760-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11241.3 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

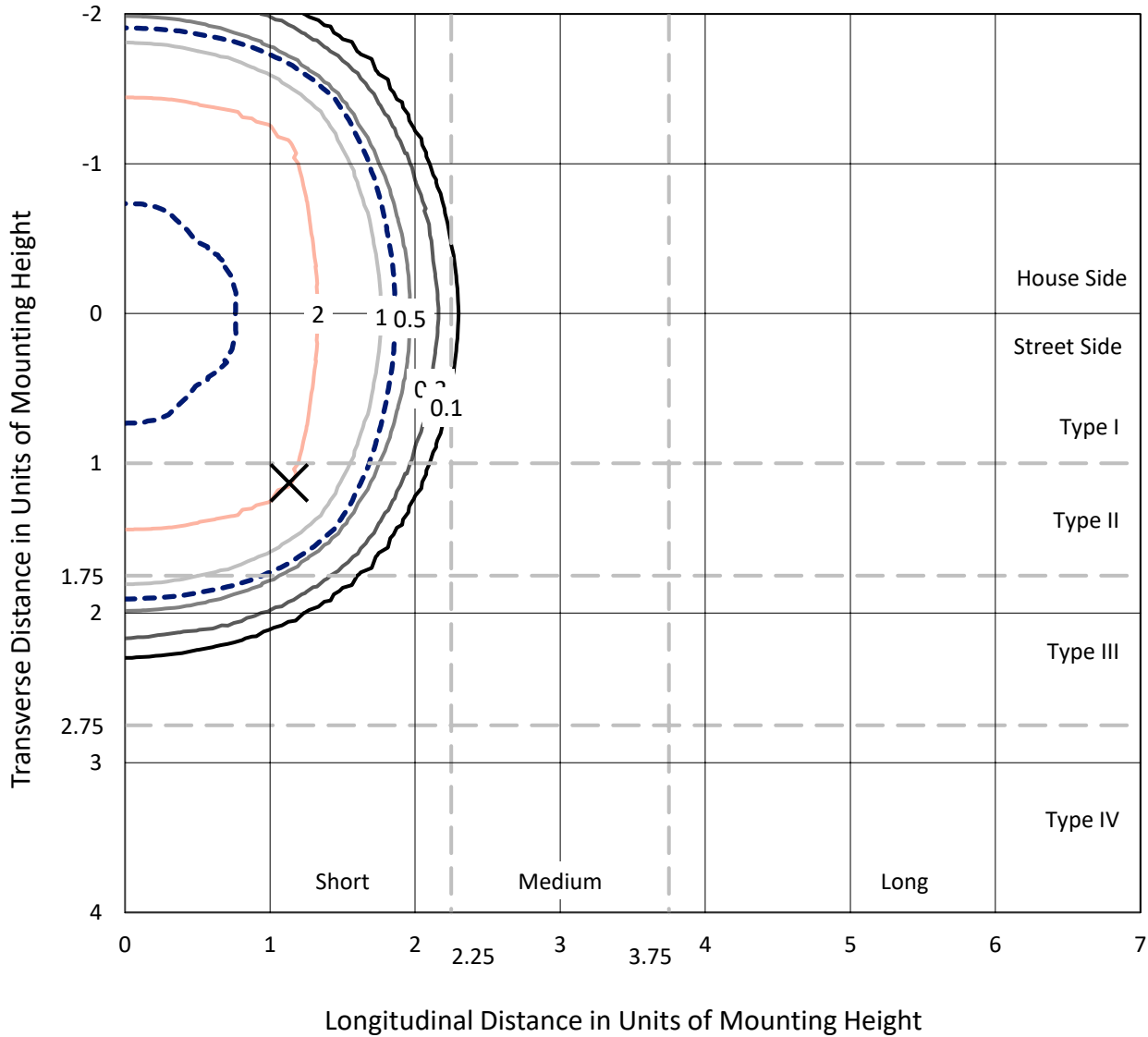
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

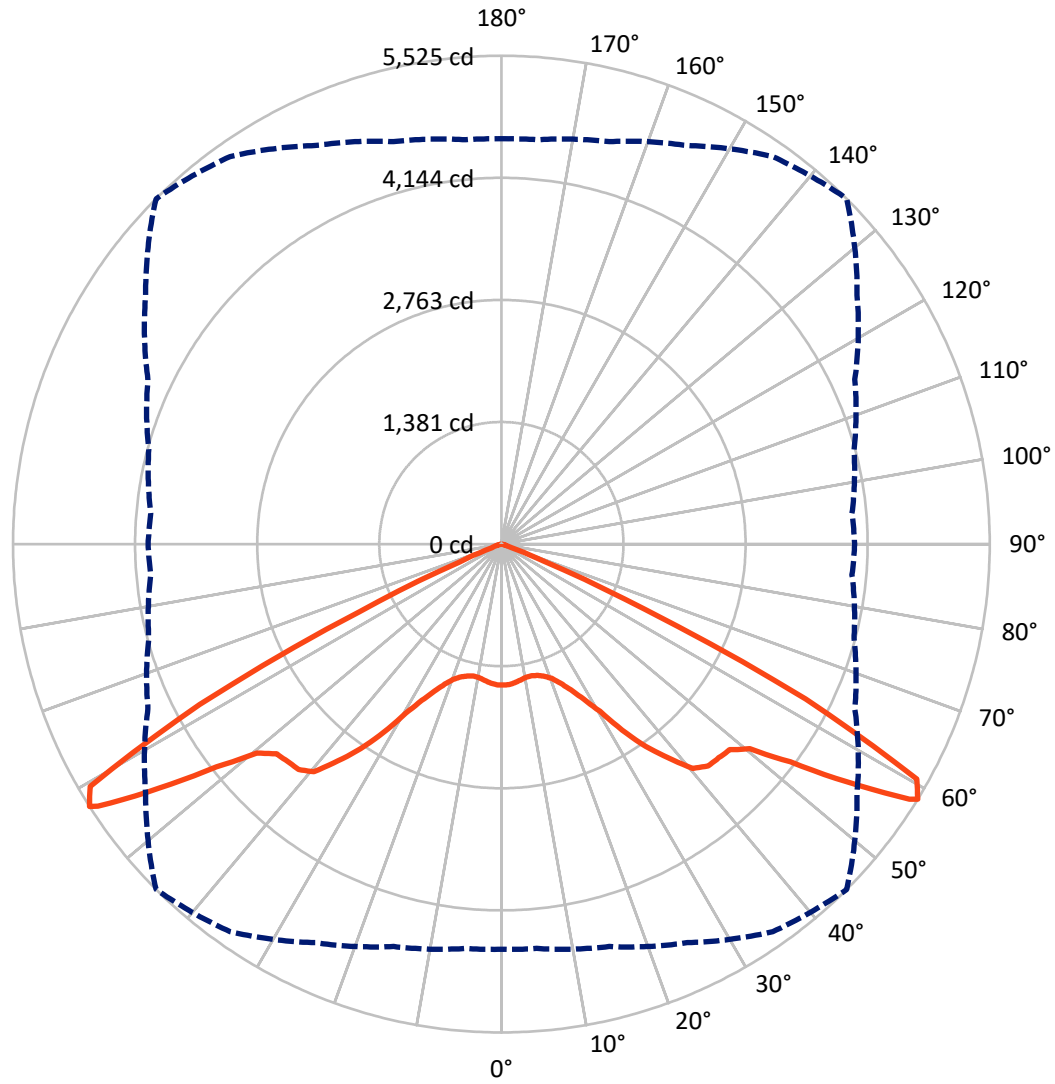
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5620.6	0.0	5620.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5620.6	0.0	5620.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	11241.3	0.0	11241.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.7	1.3
10°-20°	440.1	3.9
20°-30°	832.4	7.4
30°-40°	1641.6	14.6
40°-50°	2597.8	23.1
50°-60°	3818.6	34.0
60°-70°	1704.5	15.2
70°-80°	57.1	0.5
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°	11241.3	100.0
0°-180°	11241.3	100.0

Coefficient of Utilization



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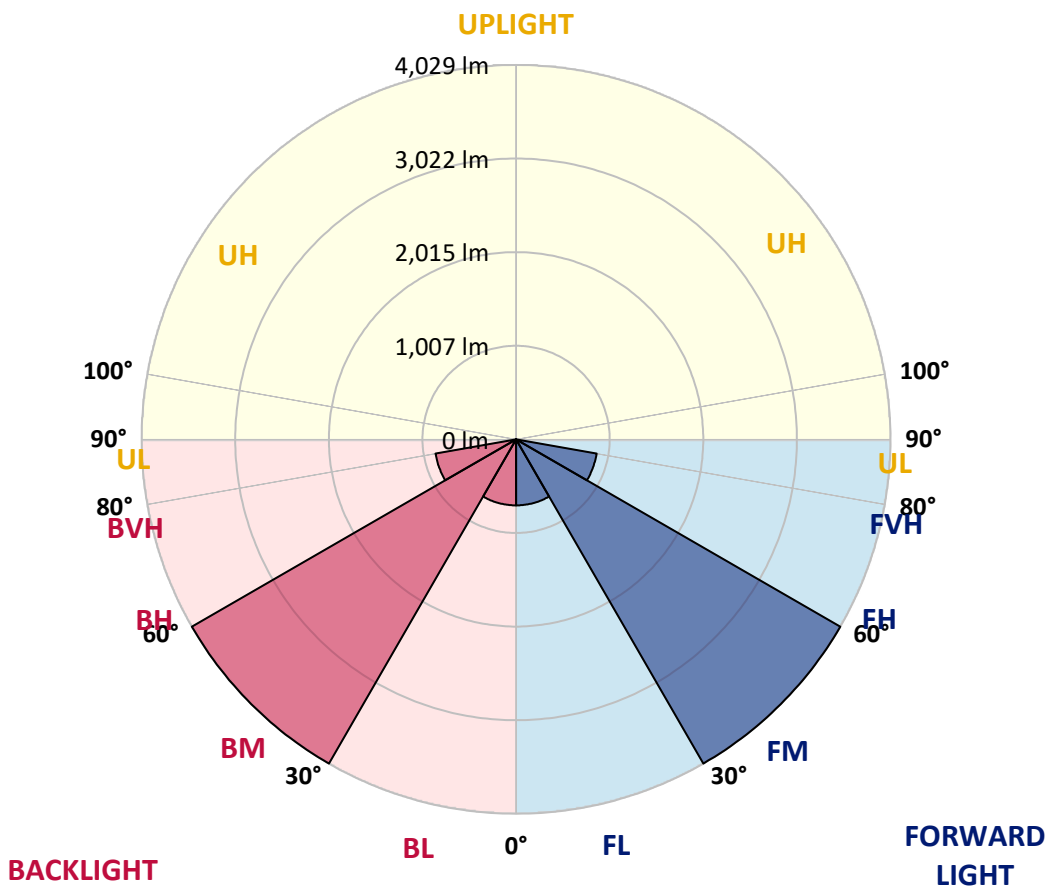
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	710.6	6.3			
FM (30°-60°)	4029.0	35.8			
FH (60°-80°)	880.8	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	710.6	6.3	B2/1000		
BM (30°-60°)	4029.0	35.8	B3/5000		
BH (60°-80°)	880.8	7.8	B2/1000		G1/1800
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: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1594.2	1594.2	1594.2	1594.2	1594.2	1594.2	1594.2	1594.2	1594.2	1594.2	1594.2
2.5°	1578.9	1581.9	1585.0	1586.5	1588.0	1592.6	1594.2	1589.6	1589.6	1580.4	1591.1
5°	1571.2	1574.3	1577.3	1575.8	1575.8	1575.8	1574.3	1568.1	1566.6	1557.4	1568.1
7.5°	1557.4	1560.5	1560.5	1555.9	1552.8	1552.8	1551.3	1543.6	1542.1	1532.9	1543.6
10°	1546.7	1548.2	1546.7	1537.5	1531.4	1531.4	1529.8	1526.8	1528.3	1522.2	1531.4
12.5°	1552.8	1554.4	1548.2	1536.0	1528.3	1526.8	1522.2	1517.6	1522.2	1520.7	1529.8
15°	1572.7	1574.3	1563.5	1548.2	1542.1	1542.1	1529.8	1517.6	1523.7	1525.3	1536.0
17.5°	1597.2	1597.2	1583.4	1569.7	1571.2	1571.2	1551.3	1529.8	1531.4	1537.5	1548.2
20°	1626.3	1626.3	1612.5	1609.5	1620.2	1621.7	1597.2	1563.5	1555.9	1560.5	1572.7
22.5°	1678.4	1678.4	1667.7	1675.3	1699.8	1707.5	1670.7	1623.3	1604.9	1607.9	1620.2
25°	1759.6	1759.6	1756.5	1774.9	1810.1	1826.9	1777.9	1715.1	1684.5	1679.9	1693.7
27.5°	1895.8	1897.4	1892.8	1920.3	1964.8	1984.7	1917.3	1834.6	1797.8	1790.2	1804.0
30°	2072.0	2072.0	2073.5	2111.8	2170.0	2196.0	2107.2	2010.7	1967.8	1943.3	1961.7
32.5°	2268.0	2271.0	2286.3	2350.7	2453.3	2506.9	2376.7	2241.9	2173.0	2147.0	2166.9
35°	2591.1	2562.0	2543.6	2591.1	2739.6	2810.1	2643.2	2485.4	2433.4	2430.3	2480.8
37.5°	2911.2	2894.3	2856.0	2905.0	3038.3	3070.4	2886.7	2755.0	2718.2	2738.1	2788.6
40°	3165.4	3134.7	3084.2	3130.1	3304.7	3336.9	3110.2	2980.1	2966.3	3010.7	3079.6
42.5°	3366.0	3323.1	3255.7	3266.4	3407.3	3430.3	3229.7	3131.7	3140.9	3196.0	3274.1
45°	3456.3	3422.6	3362.9	3358.3	3447.1	3448.7	3290.9	3240.4	3264.9	3307.8	3369.0
47.5°	3494.6	3479.3	3445.6	3437.9	3488.5	3476.2	3378.2	3356.8	3379.8	3392.0	3427.2
50°	3589.6	3589.6	3594.1	3600.3	3652.3	3640.1	3571.2	3546.7	3517.6	3474.7	3485.4
52.5°	3856.0	3866.7	3911.1	3960.1	4055.1	4094.9	3983.1	3840.7	3701.3	3607.9	3607.9
55°	4336.9	4347.6	4399.7	4482.3	4656.9	4751.9	4491.5	4177.6	3986.2	3859.1	3875.9
57.5°	4601.8	4614.0	4721.2	4944.8	5283.3	5444.1	4885.1	4419.6	4151.6	4006.1	4018.3
58°	4585.0	4592.6	4713.6	4975.5	5352.2	5525.2	4912.7	4411.9	4130.1	3981.6	3996.9
60°	4073.5	4062.7	4255.7	4629.4	5160.7	5399.6	4638.5	4027.5	3699.8	3548.2	3555.9
62.5°	2663.1	2669.2	2836.1	3226.6	3640.1	3865.2	3240.4	2785.6	2522.2	2430.3	2407.3
65°	1111.8	1091.9	1194.5	1411.9	1660.0	1785.6	1534.4	1298.6	1136.3	1075.0	1091.9
67.5°	286.4	278.7	284.8	356.8	436.4	516.1	433.4	330.8	287.9	291.0	291.0
70°	162.3	153.1	124.0	114.9	111.8	111.8	111.8	111.8	128.6	151.6	156.2
72.5°	122.5	114.9	90.4	78.1	68.9	64.3	67.4	78.1	93.4	113.3	116.4
75°	61.3	61.3	55.1	52.1	45.9	42.9	44.4	49.0	56.7	64.3	62.8
77.5°	12.3	13.8	15.3	18.4	15.3	15.3	15.3	18.4	18.4	19.9	18.4
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
82.5°	0.0	1.5	1.5	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
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)