

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: P641704

Luminaire Tested: GWS-SA6B-740-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641704
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11142.2 lumens
Efficiency: N/A
Efficacy: 80.2 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

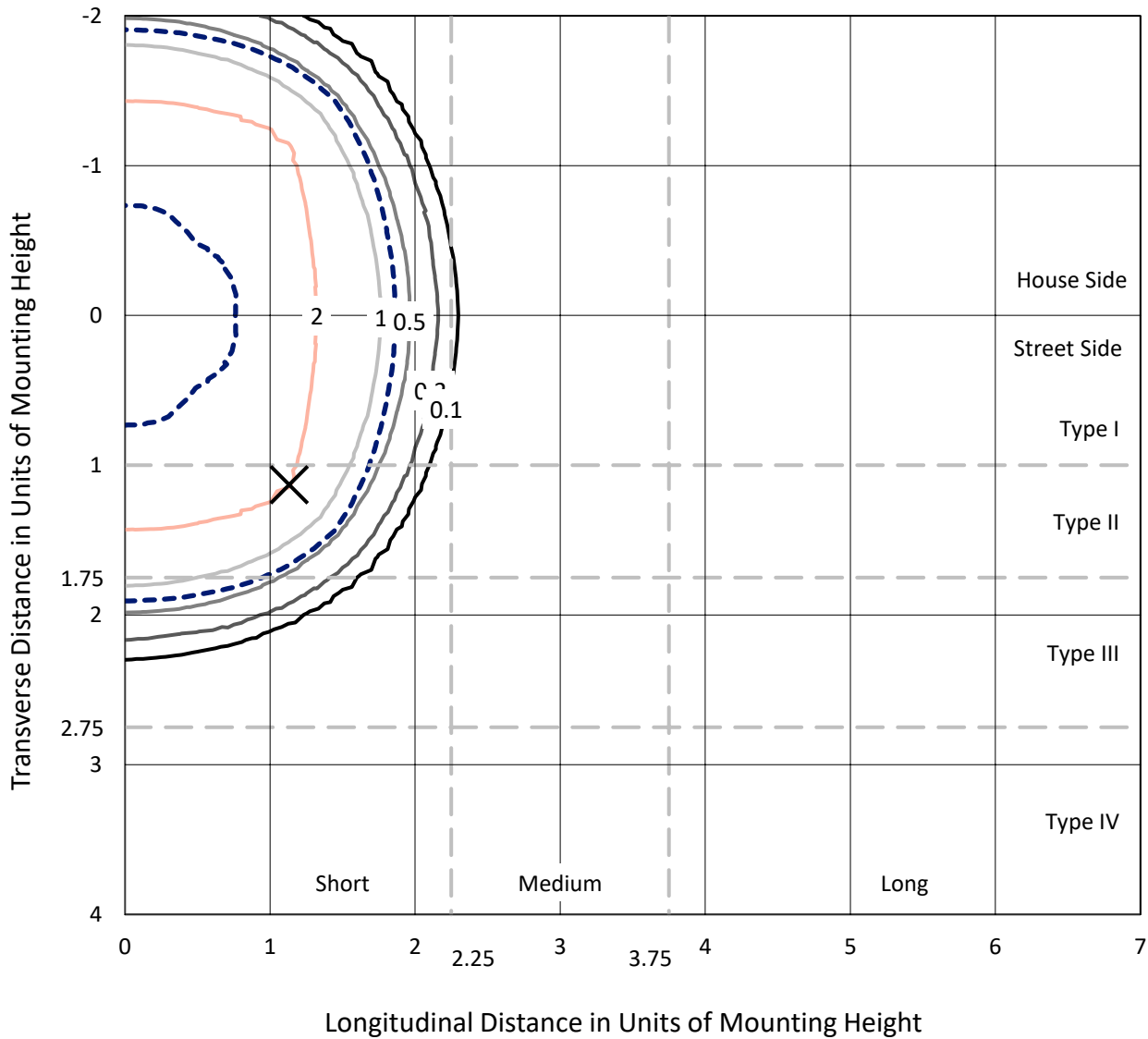


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Iso-Footcandle Lines of Horizontal Illumination

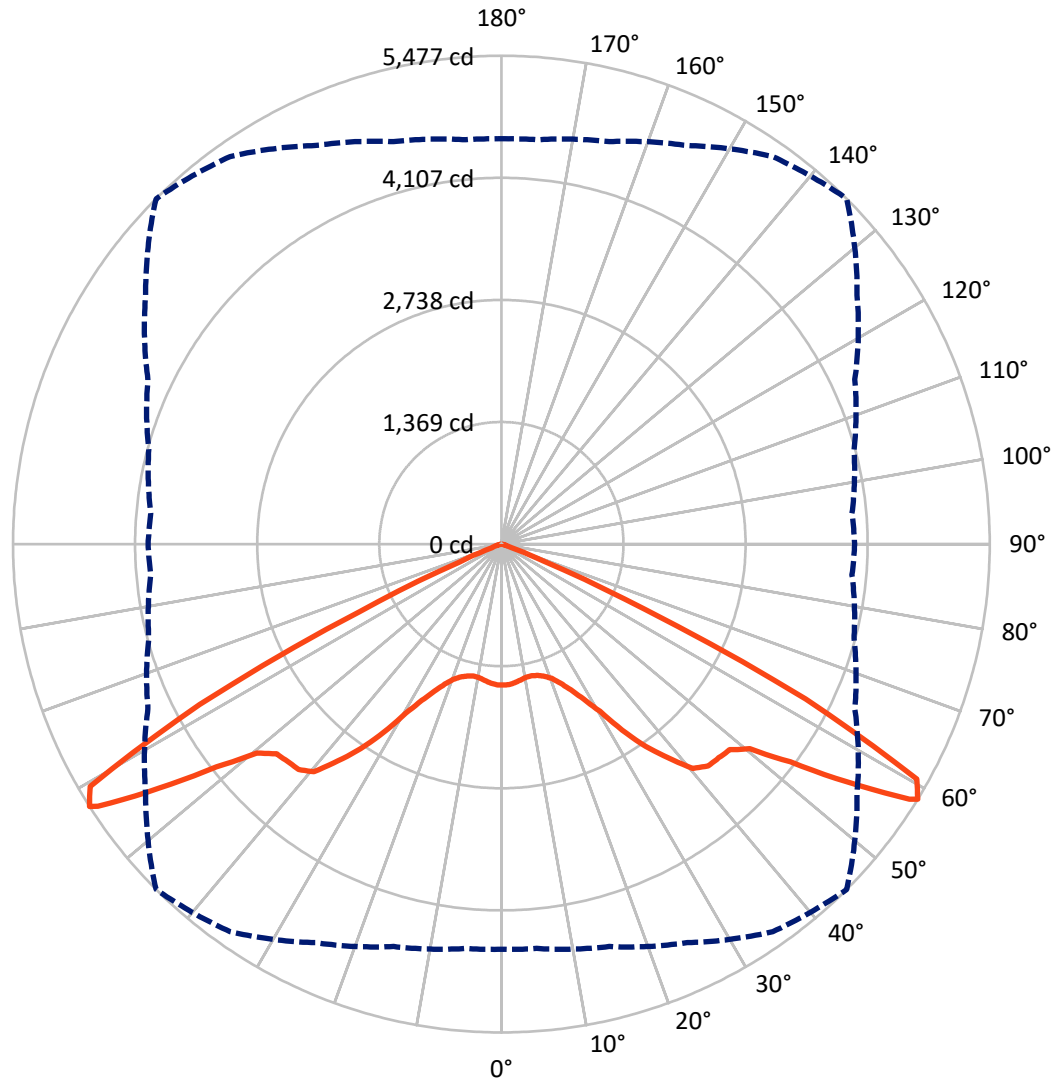
✕ Max cd
 - - - 1/2 Max cd



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	5571.1	0.0	5571.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5571.1	0.0	5571.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	11142.2	0.0	11142.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.4	1.3
10°-20°	436.2	3.9
20°-30°	825.0	7.4
30°-40°	1627.1	14.6
40°-50°	2574.9	23.1
50°-60°	3785.0	34.0
60°-70°	1689.5	15.2
70°-80°	56.6	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°	11142.2	100.0
0°-180°	11142.2	100.0

Coefficient of Utilization



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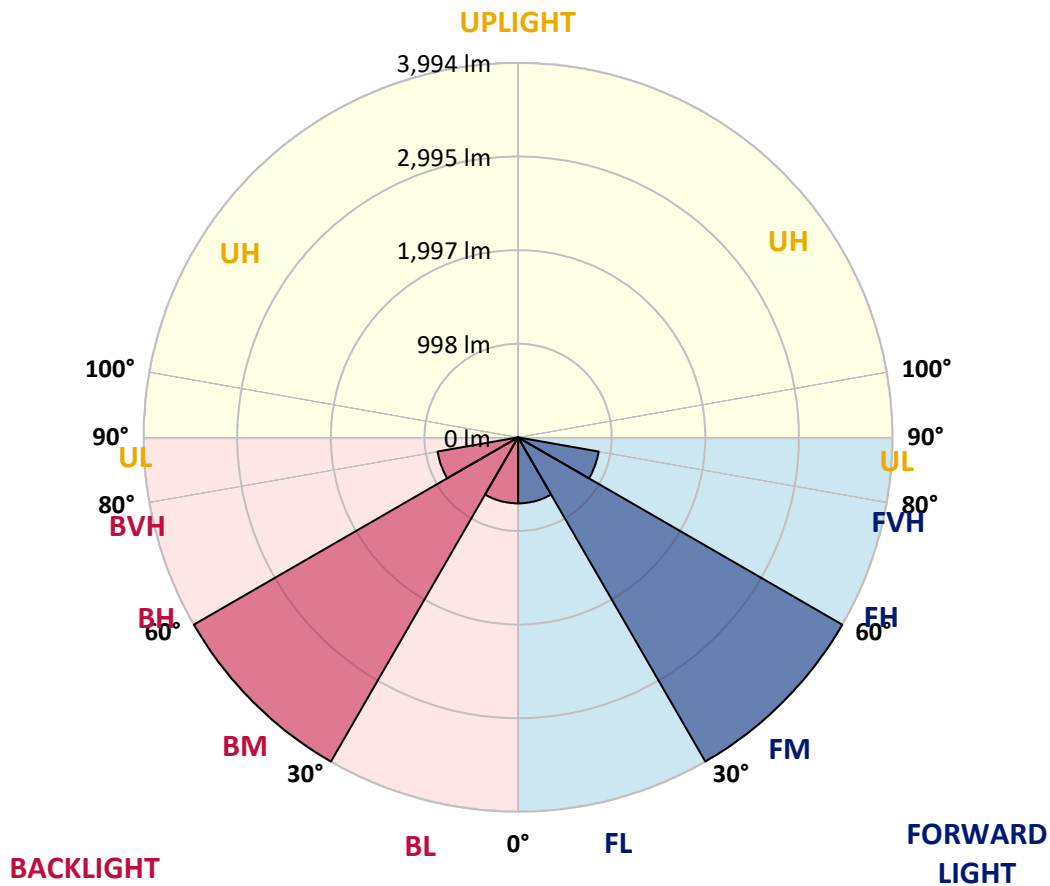
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	704.3	6.3			
FM (30°-60°)	3993.5	35.8			
FH (60°-80°)	873.0	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	704.3	6.3	B2/1000		
BM (30°-60°)	3993.5	35.8	B3/5000		
BH (60°-80°)	873.0	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°	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1
2.5°	1564.9	1568.0	1571.0	1572.5	1574.0	1578.6	1580.1	1575.6	1575.6	1566.5	1577.1
5°	1557.3	1560.4	1563.4	1561.9	1561.9	1561.9	1560.4	1554.3	1552.8	1543.7	1554.3
7.5°	1543.7	1546.7	1546.7	1542.2	1539.1	1539.1	1537.6	1530.0	1528.5	1519.4	1530.0
10°	1533.1	1534.6	1533.1	1524.0	1517.9	1517.9	1516.4	1513.3	1514.8	1508.8	1517.9
12.5°	1539.1	1540.6	1534.6	1522.4	1514.8	1513.3	1508.8	1504.2	1508.8	1507.3	1516.4
15°	1558.9	1560.4	1549.8	1534.6	1528.5	1528.5	1516.4	1504.2	1510.3	1511.8	1522.4
17.5°	1583.1	1583.1	1569.5	1555.8	1557.3	1557.3	1537.6	1516.4	1517.9	1524.0	1534.6
20°	1612.0	1612.0	1598.3	1595.3	1605.9	1607.4	1583.1	1549.8	1542.2	1546.7	1558.9
22.5°	1663.6	1663.6	1653.0	1660.6	1684.8	1692.4	1656.0	1609.0	1590.7	1593.8	1605.9
25°	1744.0	1744.0	1741.0	1759.2	1794.1	1810.8	1762.3	1700.0	1669.7	1665.1	1678.8
27.5°	1879.1	1880.7	1876.1	1903.4	1947.4	1967.2	1900.4	1818.4	1782.0	1774.4	1788.1
30°	2053.7	2053.7	2055.2	2093.2	2150.8	2176.6	2088.6	1993.0	1950.5	1926.2	1944.4
32.5°	2248.0	2251.0	2266.2	2329.9	2431.6	2484.8	2355.7	2222.2	2153.9	2128.1	2147.8
35°	2568.3	2539.4	2521.2	2568.3	2715.5	2785.3	2619.9	2463.5	2411.9	2408.9	2459.0
37.5°	2885.5	2868.8	2830.8	2879.4	3011.5	3043.3	2861.2	2730.7	2694.2	2714.0	2764.1
40°	3137.5	3107.1	3057.0	3102.5	3275.6	3307.5	3082.8	2953.8	2940.1	2984.2	3052.5
42.5°	3336.3	3293.8	3227.0	3237.6	3377.3	3400.0	3201.2	3104.1	3113.2	3167.8	3245.2
45°	3425.9	3392.5	3333.3	3328.7	3416.7	3418.3	3261.9	3211.8	3236.1	3278.6	3339.3
47.5°	3463.8	3448.6	3415.2	3407.6	3457.7	3445.6	3348.4	3327.2	3350.0	3362.1	3397.0
50°	3557.9	3557.9	3562.5	3568.5	3620.1	3608.0	3539.7	3515.4	3486.6	3444.1	3454.7
52.5°	3822.0	3832.6	3876.7	3925.2	4019.3	4058.8	3948.0	3806.8	3668.7	3576.1	3576.1
55°	4298.6	4309.3	4360.9	4442.8	4615.9	4710.0	4451.9	4140.8	3951.0	3825.1	3841.8
57.5°	4561.2	4573.4	4679.6	4901.2	5236.7	5396.1	4842.0	4380.6	4115.0	3970.8	3982.9
58°	4544.5	4552.1	4672.0	4931.6	5305.0	5476.5	4869.4	4373.0	4093.7	3946.5	3961.7
60°	4037.6	4026.9	4218.2	4588.5	5115.3	5352.0	4597.7	3992.0	3667.2	3516.9	3524.5
62.5°	2639.6	2645.7	2811.1	3198.2	3608.0	3831.1	3211.8	2761.0	2499.9	2408.9	2386.1
65°	1102.0	1082.2	1183.9	1399.5	1645.4	1769.8	1520.9	1287.2	1126.3	1065.6	1082.2
67.5°	283.8	276.3	282.3	353.7	432.6	511.5	429.6	327.9	285.4	288.4	288.4
70°	160.9	151.8	122.9	113.8	110.8	110.8	110.8	110.8	127.5	150.3	154.8
72.5°	121.4	113.8	89.6	77.4	68.3	63.8	66.8	77.4	92.6	112.3	115.4
75°	60.7	60.7	54.6	51.6	45.5	42.5	44.0	48.6	56.2	63.8	62.2
77.5°	12.1	13.7	15.2	18.2	15.2	15.2	15.2	18.2	18.2	19.7	18.2
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)