

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: P641484

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641484
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-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8207.3 lumens
Efficiency: N/A
Efficacy: 59.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

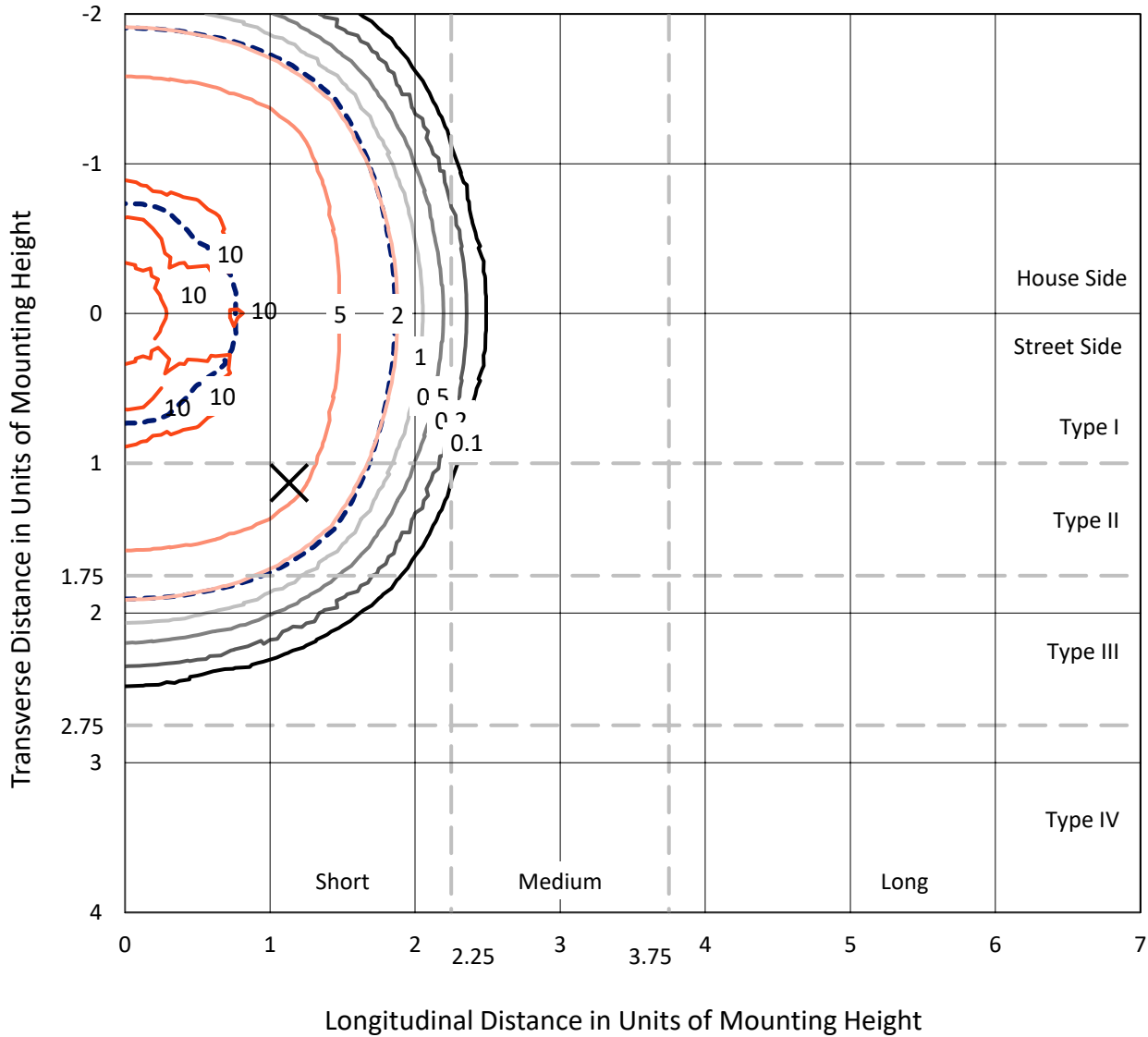
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

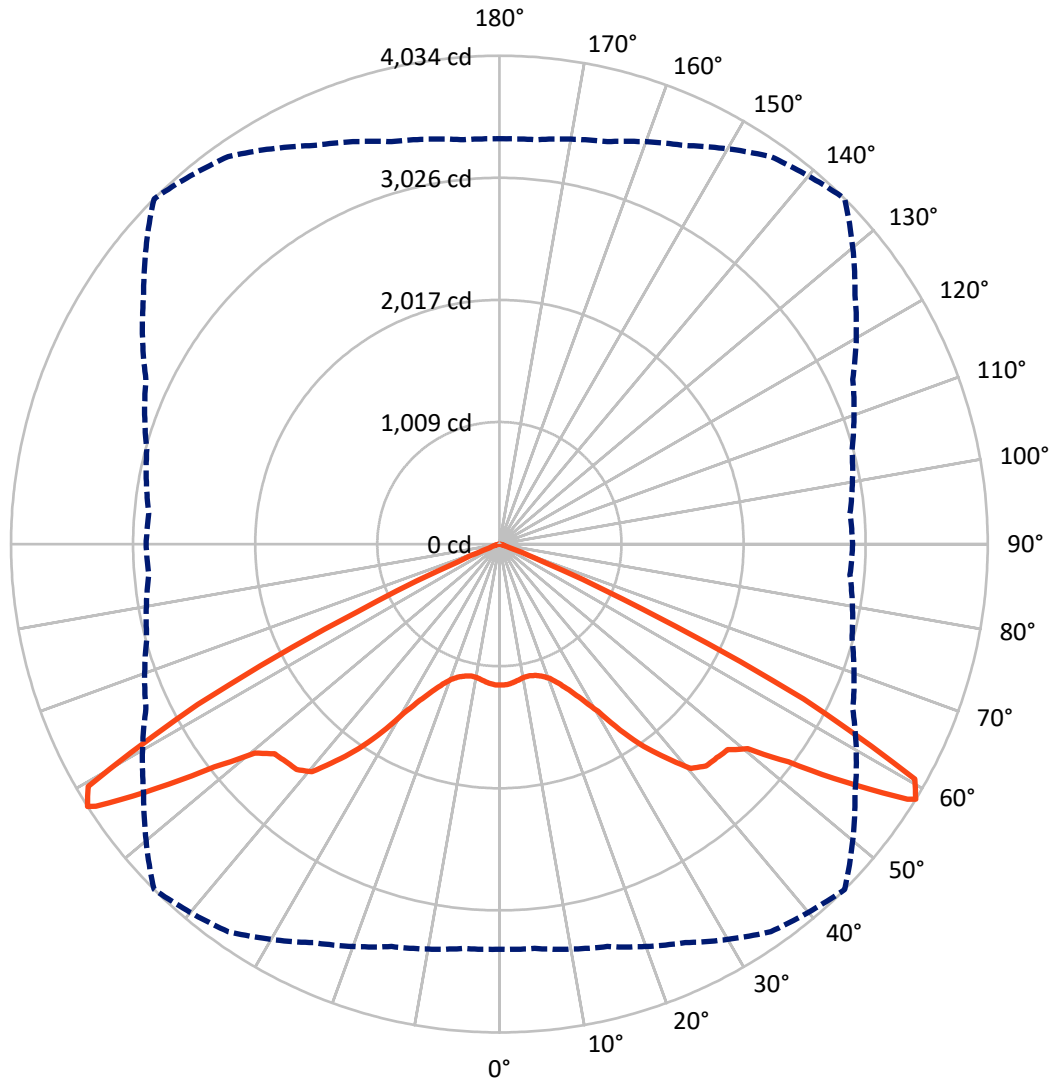
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.6 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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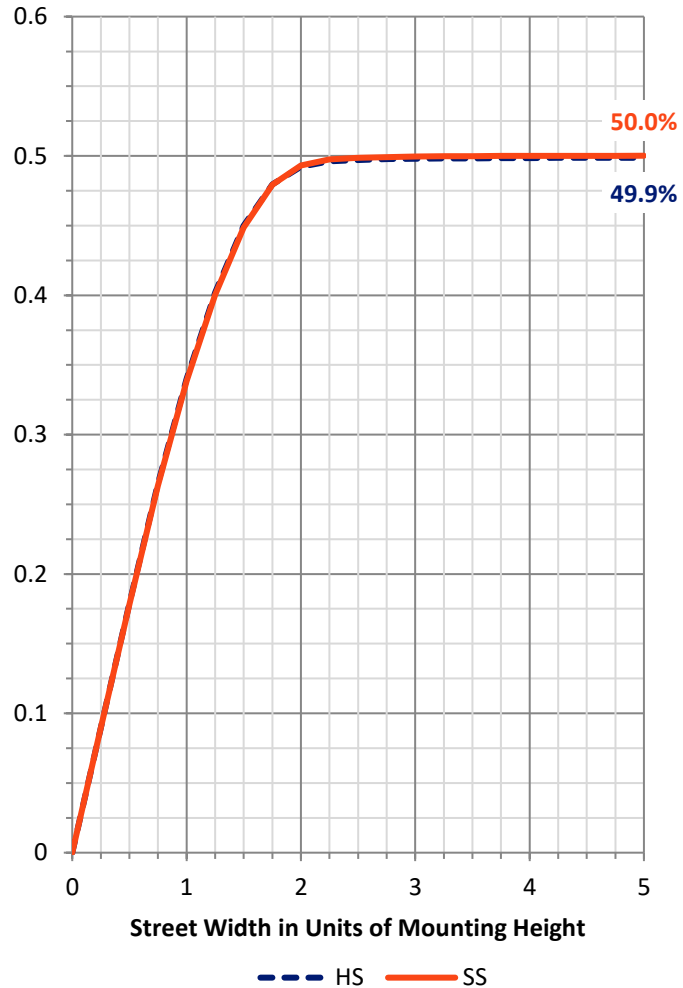
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4103.6	0.0	4103.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4103.6	0.0	4103.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	8207.3	0.0	8207.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.6	1.3
10°-20°	321.3	3.9
20°-30°	607.7	7.4
30°-40°	1198.5	14.6
40°-50°	1896.7	23.1
50°-60°	2788.0	34.0
60°-70°	1244.4	15.2
70°-80°	41.7	0.5
80°-90°	0.3	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°	8207.3	100.0
0°-180°	8207.3	100.0

Coefficient of Utilization



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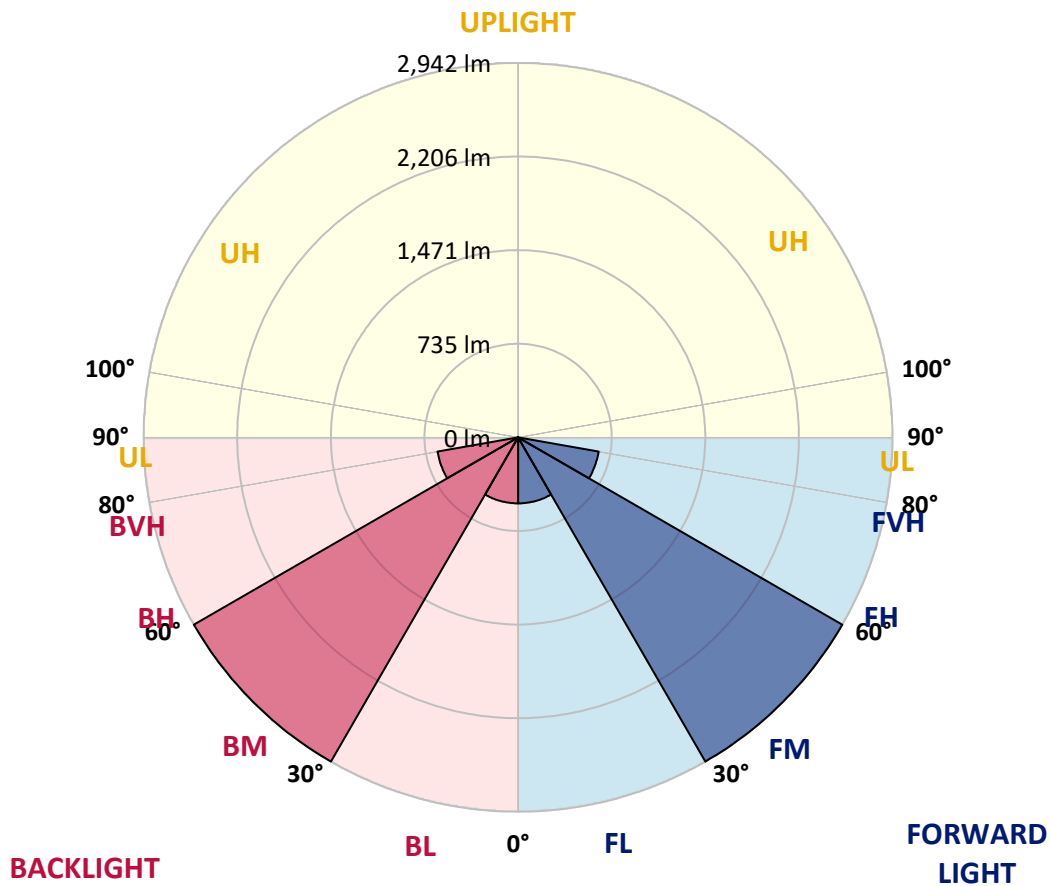
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	518.8	6.3			
FM (30°-60°)	2941.6	35.8			
FH (60°-80°)	643.1	7.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	518.8	6.3	B2/1000		
BM (30°-60°)	2941.6	35.8	B3/5000		
BH (60°-80°)	643.1	7.8	B2/1000		G0/660
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-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1163.9	1163.9	1163.9	1163.9	1163.9	1163.9	1163.9	1163.9	1163.9	1163.9	1163.9
2.5°	1152.7	1155.0	1157.2	1158.3	1159.4	1162.8	1163.9	1160.6	1160.6	1153.8	1161.7
5°	1147.1	1149.4	1151.6	1150.5	1150.5	1150.5	1149.4	1144.9	1143.8	1137.1	1144.9
7.5°	1137.1	1139.3	1139.3	1136.0	1133.7	1133.7	1132.6	1127.0	1125.9	1119.2	1127.0
10°	1129.2	1130.4	1129.2	1122.5	1118.1	1118.1	1116.9	1114.7	1115.8	1111.4	1118.1
12.5°	1133.7	1134.8	1130.4	1121.4	1115.8	1114.7	1111.4	1108.0	1111.4	1110.2	1116.9
15°	1148.3	1149.4	1141.5	1130.4	1125.9	1125.9	1116.9	1108.0	1112.5	1113.6	1121.4
17.5°	1166.1	1166.1	1156.1	1146.0	1147.1	1147.1	1132.6	1116.9	1118.1	1122.5	1130.4
20°	1187.4	1187.4	1177.3	1175.1	1182.9	1184.0	1166.1	1141.5	1136.0	1139.3	1148.3
22.5°	1225.4	1225.4	1217.6	1223.2	1241.1	1246.6	1219.8	1185.1	1171.7	1174.0	1182.9
25°	1284.7	1284.7	1282.4	1295.8	1321.6	1333.9	1298.1	1252.2	1229.9	1226.5	1236.6
27.5°	1384.2	1385.3	1381.9	1402.1	1434.5	1449.0	1399.8	1339.4	1312.6	1307.0	1317.1
30°	1512.7	1512.7	1513.9	1541.8	1584.3	1603.3	1538.5	1468.0	1436.7	1418.8	1432.2
32.5°	1655.9	1658.1	1669.3	1716.2	1791.1	1830.3	1735.2	1636.8	1586.5	1567.5	1582.1
35°	1891.8	1870.5	1857.1	1891.8	2000.2	2051.6	1929.8	1814.6	1776.6	1774.4	1811.3
37.5°	2125.4	2113.1	2085.2	2121.0	2218.2	2241.7	2107.6	2011.4	1984.6	1999.1	2036.0
40°	2311.0	2288.7	2251.8	2285.3	2412.8	2436.3	2270.8	2175.8	2165.7	2198.1	2248.4
42.5°	2457.5	2426.2	2377.0	2384.8	2487.7	2504.5	2358.0	2286.4	2293.1	2333.4	2390.4
45°	2523.5	2498.9	2455.3	2451.9	2516.8	2517.9	2402.7	2365.8	2383.7	2415.0	2459.7
47.5°	2551.4	2540.2	2515.6	2510.1	2546.9	2538.0	2466.4	2450.8	2467.6	2476.5	2502.2
50°	2620.7	2620.7	2624.1	2628.6	2666.6	2657.6	2607.3	2589.4	2568.2	2536.9	2544.7
52.5°	2815.3	2823.1	2855.5	2891.3	2960.6	2989.7	2908.1	2804.1	2702.4	2634.2	2634.2
55°	3166.4	3174.2	3212.2	3272.6	3400.0	3469.4	3279.3	3050.1	2910.3	2817.5	2829.8
57.5°	3359.8	3368.7	3447.0	3610.2	3857.3	3974.7	3566.6	3226.7	3031.1	2924.9	2933.8
58°	3347.5	3353.1	3441.4	3632.6	3907.6	4034.0	3586.7	3221.1	3015.4	2907.0	2918.1
60°	2974.0	2966.2	3107.1	3379.9	3767.9	3942.3	3386.6	2940.5	2701.2	2590.6	2596.1
62.5°	1944.3	1948.8	2070.7	2355.8	2657.6	2822.0	2365.8	2033.8	1841.5	1774.4	1757.6
65°	811.7	797.2	872.1	1030.9	1212.0	1303.7	1120.3	948.1	829.6	784.9	797.2
67.5°	209.1	203.5	208.0	260.5	318.6	376.8	316.4	241.5	210.2	212.4	212.4
70°	118.5	111.8	90.6	83.9	81.6	81.6	81.6	81.6	93.9	110.7	114.0
72.5°	89.4	83.9	66.0	57.0	50.3	47.0	49.2	57.0	68.2	82.7	85.0
75°	44.7	44.7	40.3	38.0	33.5	31.3	32.4	35.8	41.4	47.0	45.8
77.5°	8.9	10.1	11.2	13.4	11.2	11.2	11.2	13.4	13.4	14.5	13.4
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	0.0	1.1	1.1	0.0	0.0	0.0	0.0	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	0.0	1.1	1.1
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)