

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: P641924

Luminaire Tested: GWS-SA6B-830-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641924
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-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8851.2 lumens
Efficiency: N/A
Efficacy: 63.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

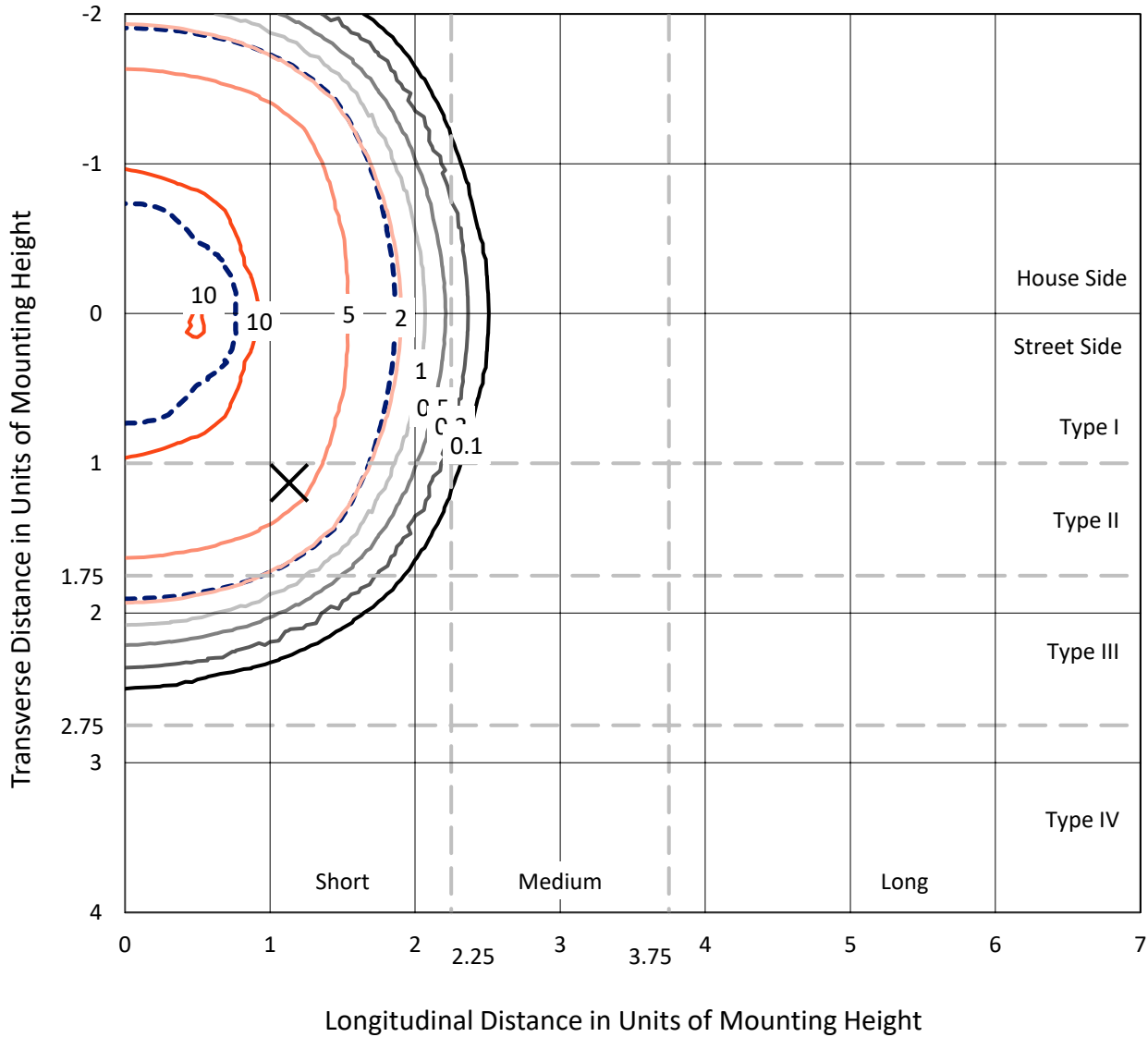
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

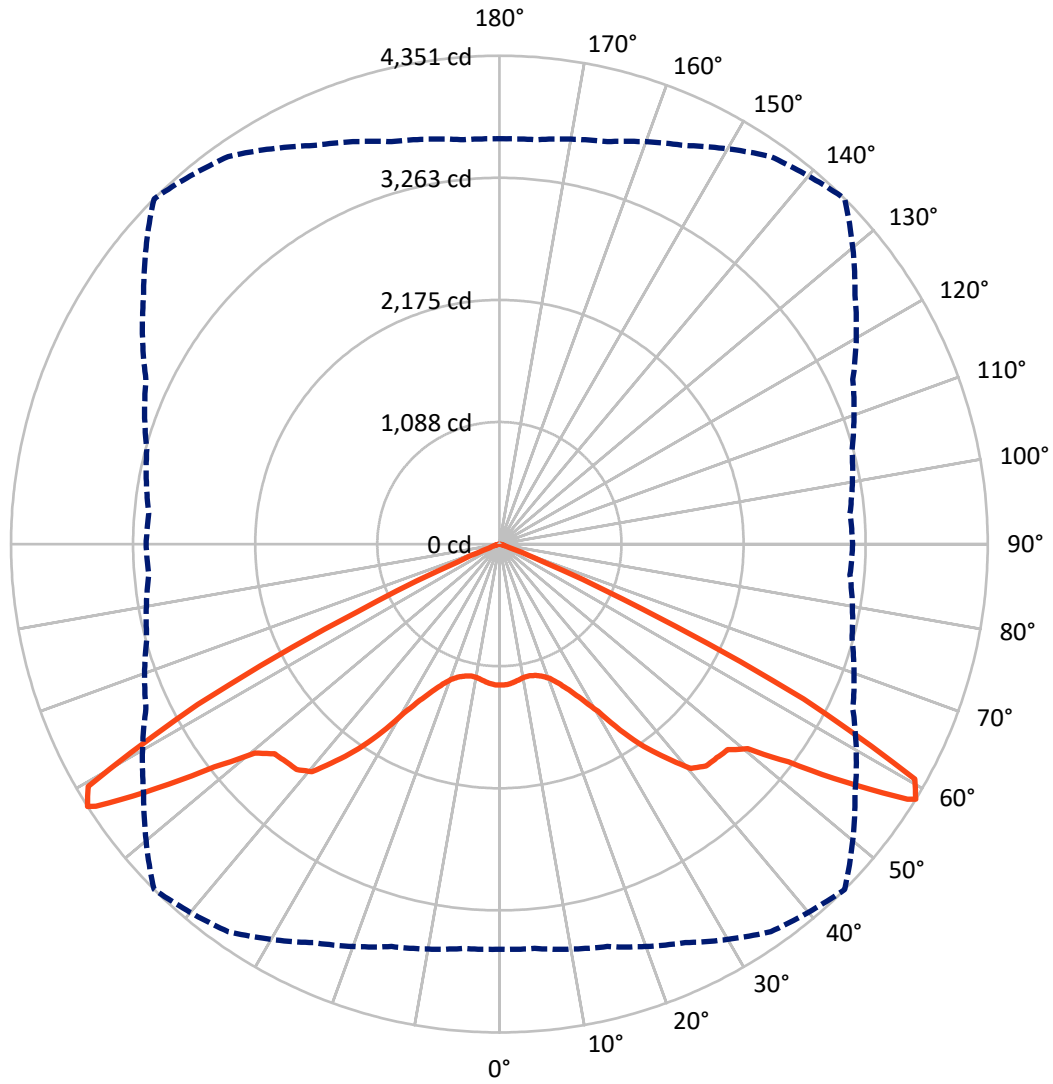
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.6 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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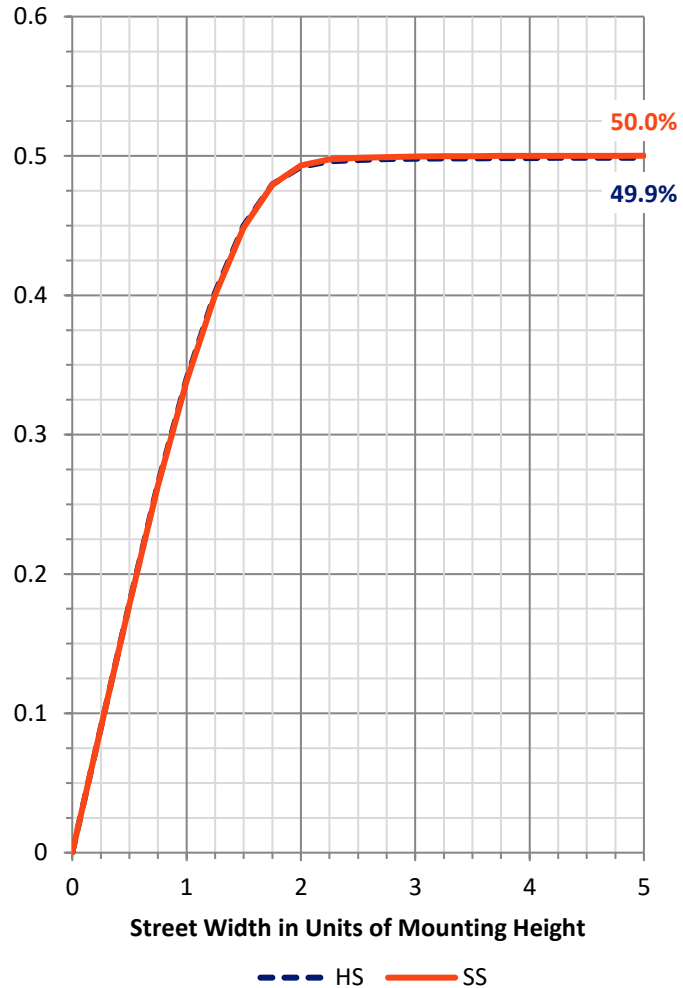
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4425.6	0.0	4425.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4425.6	0.0	4425.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	8851.2	0.0	8851.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.1	1.3
10°-20°	346.5	3.9
20°-30°	655.4	7.4
30°-40°	1292.6	14.6
40°-50°	2045.5	23.1
50°-60°	3006.7	34.0
60°-70°	1342.1	15.2
70°-80°	45.0	0.5
80°-90°	0.4	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°	8851.2	100.0
0°-180°	8851.2	100.0

Coefficient of Utilization



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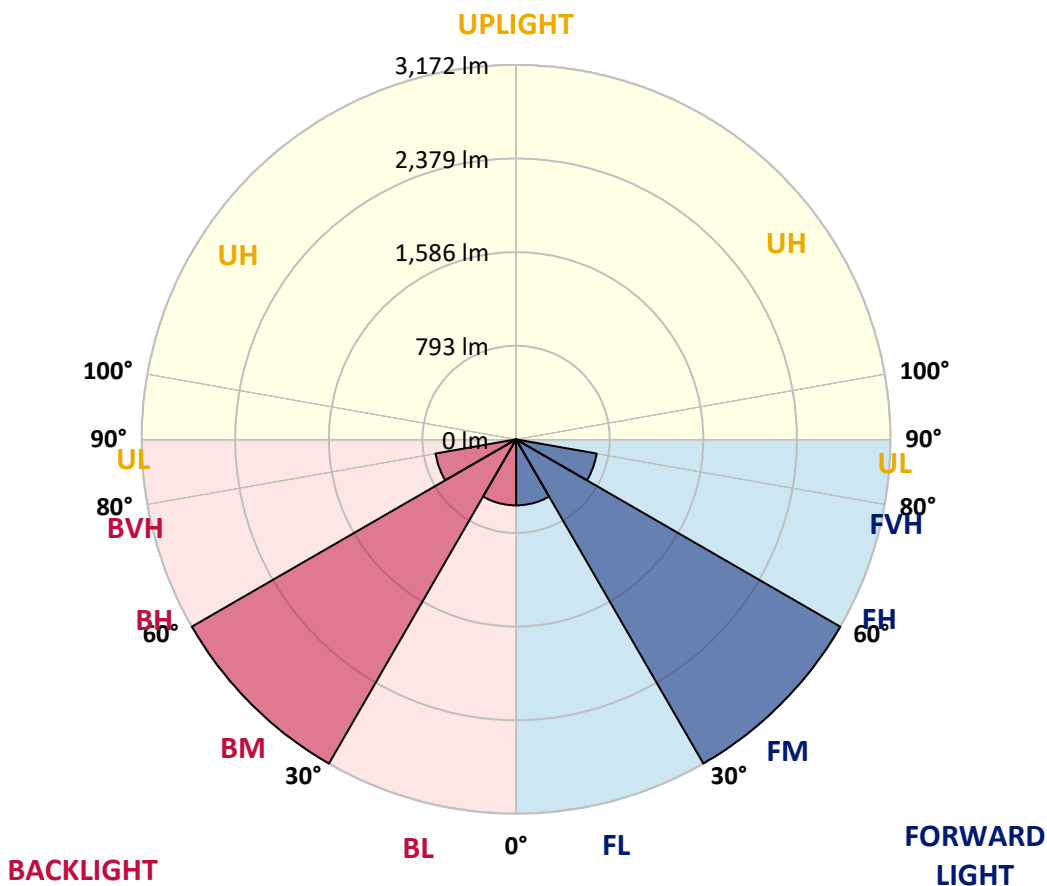
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	559.5	6.3			
FM (30°-60°)	3172.4	35.8			
FH (60°-80°)	693.5	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	559.5	6.3	B2/1000		
BM (30°-60°)	3172.4	35.8	B3/5000		
BH (60°-80°)	693.5	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°	1255.2	1255.2	1255.2	1255.2	1255.2	1255.2	1255.2	1255.2	1255.2	1255.2	1255.2
2.5°	1243.2	1245.6	1248.0	1249.2	1250.4	1254.0	1255.2	1251.6	1251.6	1244.4	1252.8
5°	1237.1	1239.5	1242.0	1240.7	1240.7	1240.7	1239.5	1234.7	1233.5	1226.3	1234.7
7.5°	1226.3	1228.7	1228.7	1225.1	1222.7	1222.7	1221.5	1215.4	1214.2	1207.0	1215.4
10°	1217.8	1219.0	1217.8	1210.6	1205.8	1205.8	1204.6	1202.2	1203.4	1198.5	1205.8
12.5°	1222.7	1223.9	1219.0	1209.4	1203.4	1202.2	1198.5	1194.9	1198.5	1197.3	1204.6
15°	1238.3	1239.5	1231.1	1219.0	1214.2	1214.2	1204.6	1194.9	1199.8	1201.0	1209.4
17.5°	1257.6	1257.6	1246.8	1235.9	1237.1	1237.1	1221.5	1204.6	1205.8	1210.6	1219.0
20°	1280.5	1280.5	1269.7	1267.3	1275.7	1276.9	1257.6	1231.1	1225.1	1228.7	1238.3
22.5°	1321.5	1321.5	1313.1	1319.1	1338.4	1344.4	1315.5	1278.1	1263.7	1266.1	1275.7
25°	1385.4	1385.4	1383.0	1397.5	1425.2	1438.5	1399.9	1350.5	1326.4	1322.7	1333.6
27.5°	1492.8	1494.0	1490.3	1512.0	1547.0	1562.7	1509.6	1444.5	1415.6	1409.6	1420.4
30°	1631.4	1631.4	1632.6	1662.8	1708.6	1729.1	1659.2	1583.2	1549.4	1530.1	1544.6
32.5°	1785.8	1788.2	1800.2	1850.9	1931.7	1973.9	1871.4	1765.3	1711.0	1690.5	1706.2
35°	2040.2	2017.3	2002.8	2040.2	2157.1	2212.6	2081.2	1957.0	1916.0	1913.6	1953.4
37.5°	2292.2	2278.9	2248.8	2287.4	2392.3	2417.6	2272.9	2169.2	2140.3	2155.9	2195.7
40°	2492.3	2468.2	2428.4	2464.6	2602.1	2627.4	2448.9	2346.4	2335.6	2370.6	2424.8
42.5°	2650.3	2616.5	2563.5	2571.9	2682.9	2700.9	2543.0	2465.8	2473.1	2516.5	2578.0
45°	2721.4	2694.9	2647.9	2644.3	2714.2	2715.4	2591.2	2551.4	2570.7	2604.5	2652.7
47.5°	2751.6	2739.5	2713.0	2707.0	2746.8	2737.1	2660.0	2643.1	2661.2	2670.8	2698.5
50°	2826.4	2826.4	2830.0	2834.8	2875.8	2866.1	2811.9	2792.6	2769.7	2735.9	2744.4
52.5°	3036.2	3044.6	3079.6	3118.1	3192.9	3224.3	3136.2	3024.1	2914.4	2840.8	2840.8
55°	3414.8	3423.2	3464.2	3529.3	3666.8	3741.5	3536.6	3289.4	3138.6	3038.6	3051.8
57.5°	3623.4	3633.0	3717.4	3893.5	4159.9	4286.6	3846.4	3479.9	3268.9	3154.3	3164.0
58°	3610.1	3616.1	3711.4	3917.6	4214.2	4350.5	3868.1	3473.9	3252.0	3135.0	3147.1
60°	3207.4	3198.9	3350.9	3645.1	4063.5	4251.6	3652.3	3171.2	2913.2	2793.8	2799.8
62.5°	2096.9	2101.7	2233.1	2540.6	2866.1	3043.4	2551.4	2193.3	1985.9	1913.6	1895.5
65°	875.4	859.7	940.5	1111.7	1307.1	1405.9	1208.2	1022.5	894.7	846.5	859.7
67.5°	225.5	219.5	224.3	280.9	343.6	406.3	341.2	260.4	226.7	229.1	229.1
70°	127.8	120.6	97.7	90.4	88.0	88.0	88.0	88.0	101.3	119.4	123.0
72.5°	96.5	90.4	71.1	61.5	54.3	50.6	53.1	61.5	73.6	89.2	91.6
75°	48.2	48.2	43.4	41.0	36.2	33.8	35.0	38.6	44.6	50.6	49.4
77.5°	9.6	10.9	12.1	14.5	12.1	12.1	12.1	14.5	14.5	15.7	14.5
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	0.0	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
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)