

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: P632026

Luminaire Tested: GWS-SA2B-830-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632026
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-830-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5557.9 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

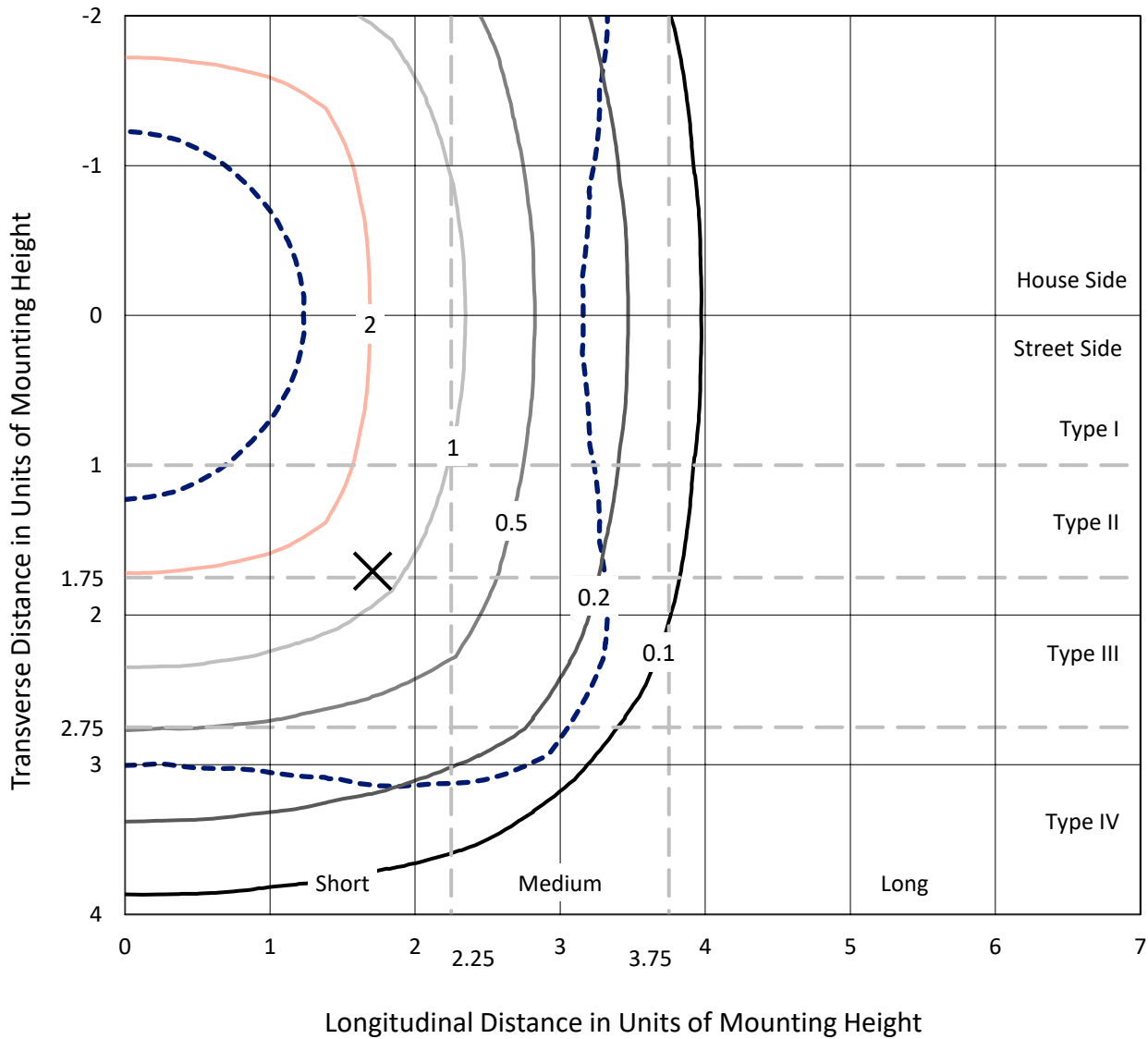
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632026
 CATALOG NUMBER: GWS-SA2B-830-U-5WQ-W

Iso-Footcandle Lines of Horizontal Illumination

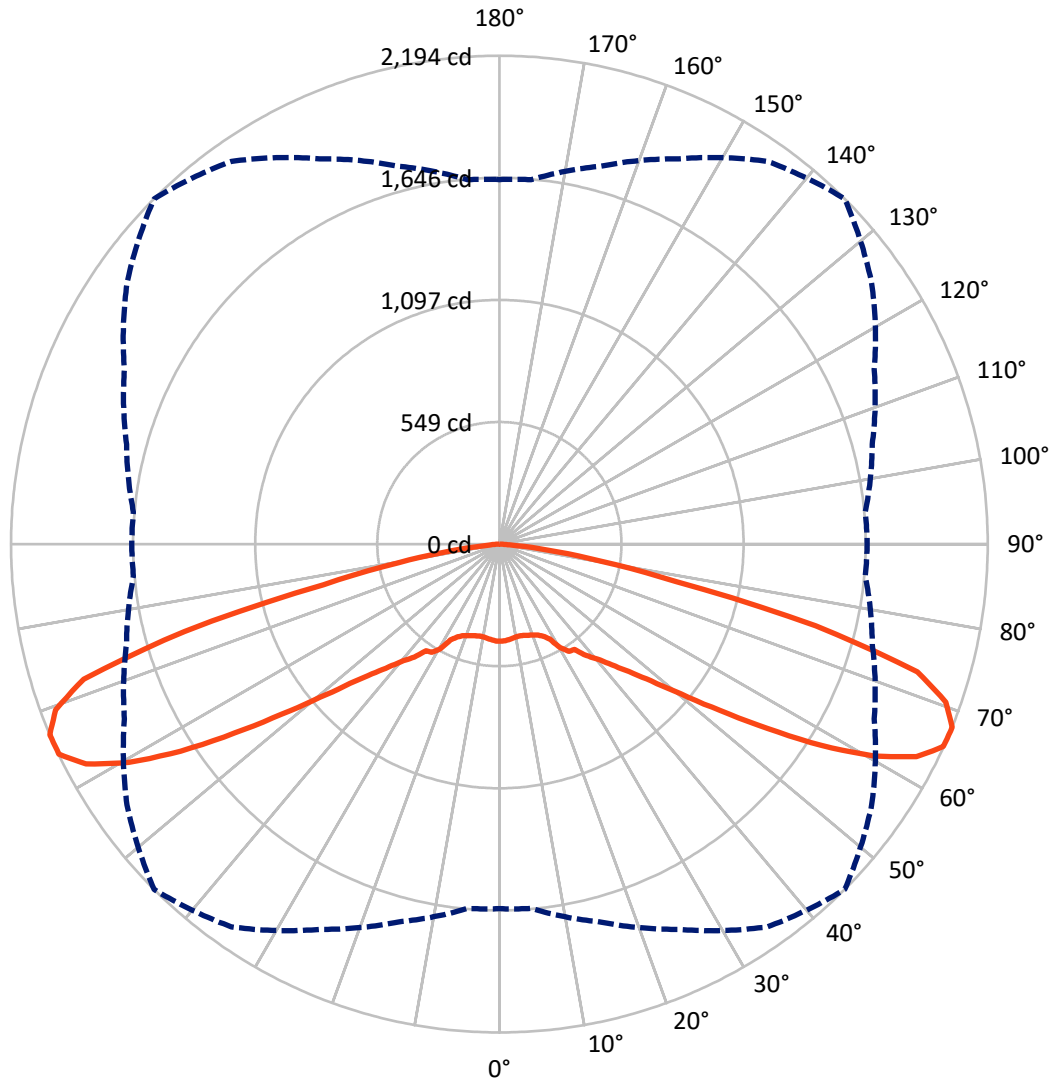
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
 Type V - Short - N/A

REPORT NUMBER: P632026
CATALOG NUMBER: GWS-SA2B-830-U-5WQ-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P632026

CATALOG NUMBER: GWS-SA2B-830-U-5WQ-W

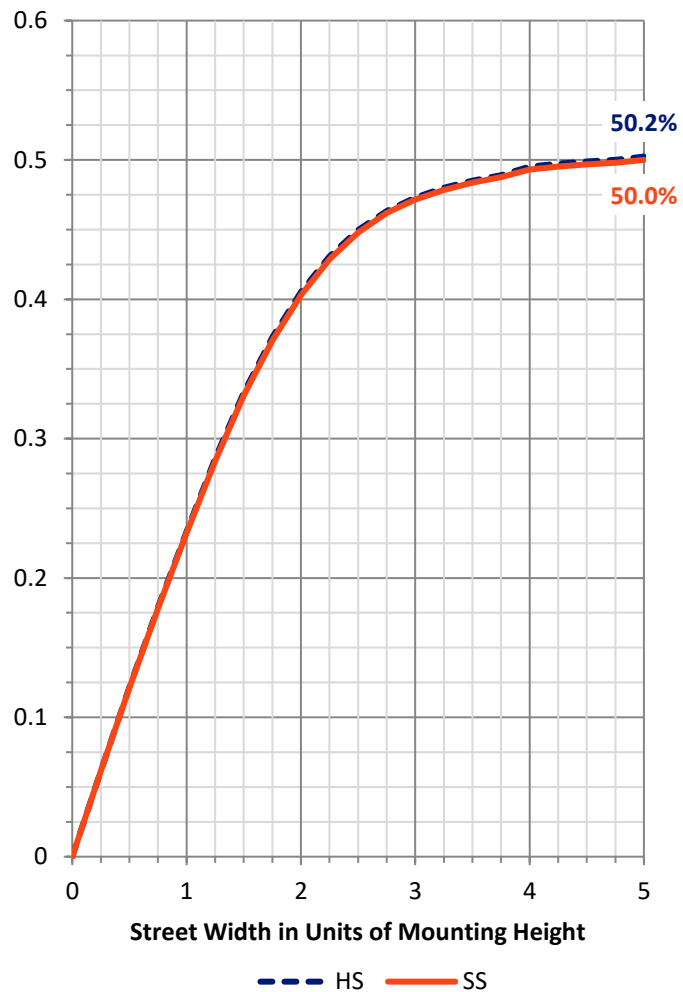
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2779.0	0.0	2779.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2779.0	0.0	2779.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5557.9	0.0	5557.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.9	0.7
10°-20°	121.4	2.2
20°-30°	217.9	3.9
30°-40°	368.0	6.6
40°-50°	646.6	11.6
50°-60°	1247.3	22.4
60°-70°	1809.7	32.6
70°-80°	1035.4	18.6
80°-90°	70.7	1.3
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°	5557.9	100.0
0°-180°	5557.9	100.0

Coefficient of Utilization



REPORT NUMBER: P632026

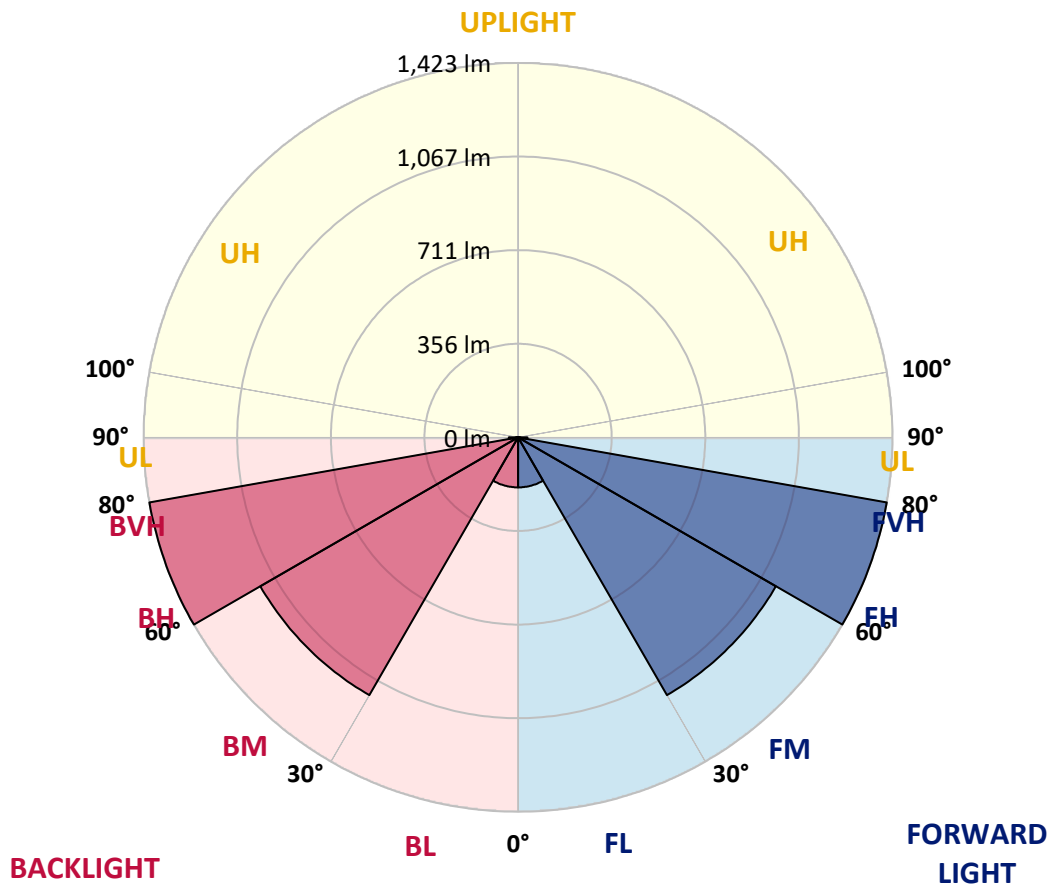
CATALOG NUMBER: GWS-SA2B-830-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	190.1	3.4			
FM (30°-60°)	1131.0	20.3			
FH (60°-80°)	1422.6	25.6			G1/1800
FVH (80°-90°)	35.3	0.6			G1/100
BL (0°-30°)	190.1	3.4	B1/500		
BM (30°-60°)	1131.0	20.3	B2/2500		
BH (60°-80°)	1422.6	25.6	B3/2500		G1/1800
BVH (80°-90°)	35.3	0.6			G1/100
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





REPORT NUMBER: P632026
 CATALOG NUMBER: GWS-SA2B-830-U-5WQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	435.9	435.9	435.9	435.9	435.9	435.9	435.9	435.9	435.9	435.9	435.9
2.5°	432.3	432.7	433.5	433.5	434.3	435.5	435.9	435.1	435.5	433.5	435.5
5°	431.1	431.5	431.9	431.1	431.1	431.5	431.5	430.7	431.1	429.2	431.1
7.5°	428.4	428.8	428.8	427.6	426.4	427.2	427.2	426.4	426.8	424.8	427.2
10°	426.0	426.0	425.6	423.3	422.1	423.3	423.7	424.1	425.6	424.1	426.8
12.5°	427.6	427.6	426.4	423.3	421.3	422.1	422.9	423.7	426.4	426.0	429.2
15°	431.9	432.3	429.2	425.6	424.5	425.6	424.8	424.5	428.0	429.2	432.7
17.5°	435.5	435.5	431.5	428.0	428.4	430.4	428.8	426.8	430.4	432.7	436.6
20°	438.6	438.2	433.9	431.5	433.1	435.9	434.7	431.9	434.3	437.0	440.6
22.5°	446.5	446.1	441.4	440.2	441.7	444.5	443.3	441.0	443.7	447.6	452.0
25°	468.9	468.1	461.0	457.1	456.3	458.3	457.9	457.1	461.4	466.1	471.2
27.5°	498.7	498.3	493.2	489.3	484.2	482.6	483.8	487.3	493.6	497.2	501.5
30°	513.7	513.7	512.9	519.2	530.2	540.8	532.5	519.2	513.7	512.1	516.4
32.5°	533.3	535.3	532.5	539.6	558.1	573.8	558.1	536.5	532.5	532.5	537.3
35°	578.5	579.3	575.0	573.8	579.7	581.7	574.2	566.3	570.7	571.4	577.3
37.5°	614.7	614.7	612.7	615.9	628.0	635.5	623.3	609.2	610.4	611.1	618.6
40°	670.5	672.1	667.3	666.9	671.7	678.3	665.4	656.3	662.6	664.6	676.0
42.5°	740.0	740.0	733.0	731.0	734.2	741.2	729.0	723.1	731.4	733.0	739.7
45°	823.0	824.9	815.5	812.0	813.5	815.9	807.3	804.5	812.4	815.9	827.7
47.5°	924.0	925.9	917.7	917.3	915.7	917.3	909.0	907.5	913.8	911.0	923.6
50°	1048.6	1052.1	1045.0	1054.9	1053.7	1058.4	1047.0	1038.7	1038.7	1031.3	1038.3
52.5°	1188.1	1195.2	1198.7	1215.2	1227.8	1239.6	1220.7	1207.7	1188.9	1173.5	1192.8
55°	1340.2	1338.2	1360.6	1396.8	1433.7	1461.6	1424.7	1383.8	1353.1	1321.3	1328.8
57.5°	1473.4	1480.1	1509.6	1575.6	1648.7	1707.6	1641.2	1562.6	1493.1	1447.5	1453.8
60°	1584.2	1589.7	1629.0	1724.2	1851.9	1933.2	1827.9	1698.2	1597.2	1534.3	1541.0
62.5°	1686.4	1691.5	1731.2	1836.2	1997.3	2103.4	1967.4	1790.2	1677.8	1614.5	1618.4
65°	1745.4	1748.5	1802.8	1913.2	2083.0	2192.6	2039.4	1856.6	1746.2	1681.7	1684.1
67.5°	1638.1	1643.2	1757.6	1910.0	2099.5	2194.2	2042.5	1858.6	1734.4	1650.3	1652.2
70°	1292.2	1287.9	1424.3	1686.4	2004.8	2128.2	1951.7	1719.0	1527.3	1409.7	1407.8
72.5°	985.3	986.5	1062.3	1241.9	1634.5	1963.9	1722.2	1384.2	1177.5	1088.3	1084.7
75°	714.5	725.5	787.2	918.9	1143.3	1467.9	1296.6	1025.8	887.4	834.0	826.1
77.5°	321.9	336.0	422.1	576.9	764.4	811.2	814.3	696.4	525.5	436.6	422.9
80°	93.9	100.6	129.3	221.3	356.1	460.2	365.5	307.3	191.4	150.1	143.1
82.5°	39.7	45.2	55.4	61.3	103.4	213.4	132.8	84.5	78.6	63.7	58.2
85°	16.9	18.1	23.2	24.8	33.4	45.6	42.1	38.1	36.6	28.3	25.9
87.5°	7.1	7.1	7.1	6.3	5.9	6.3	8.6	11.0	14.5	11.4	10.6
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)