

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: P632018

Luminaire Tested: GWS-SA2B-830-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632018
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-830-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3349.6 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

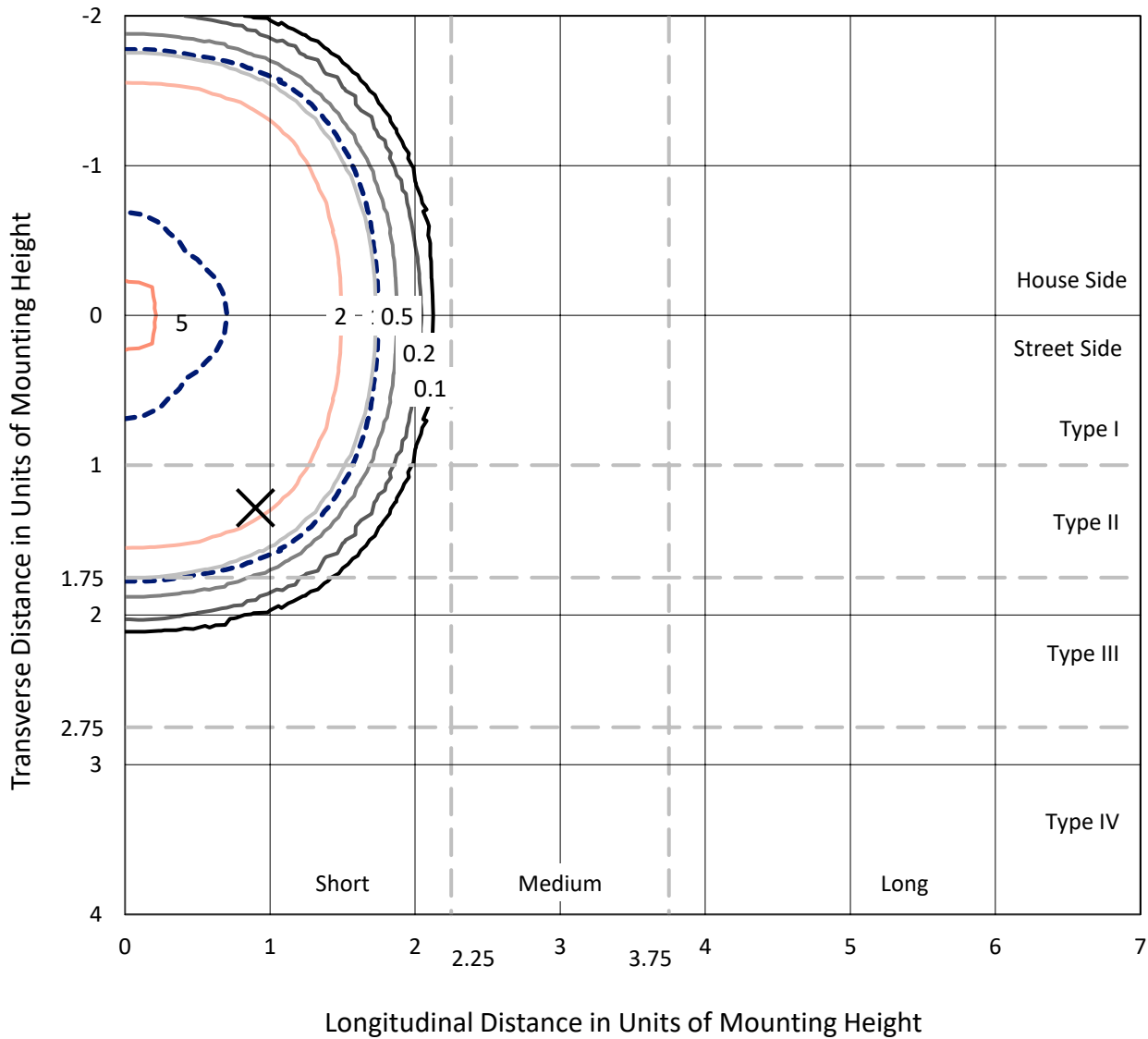
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632018
 CATALOG NUMBER: GWS-SA2B-830-U-5MQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

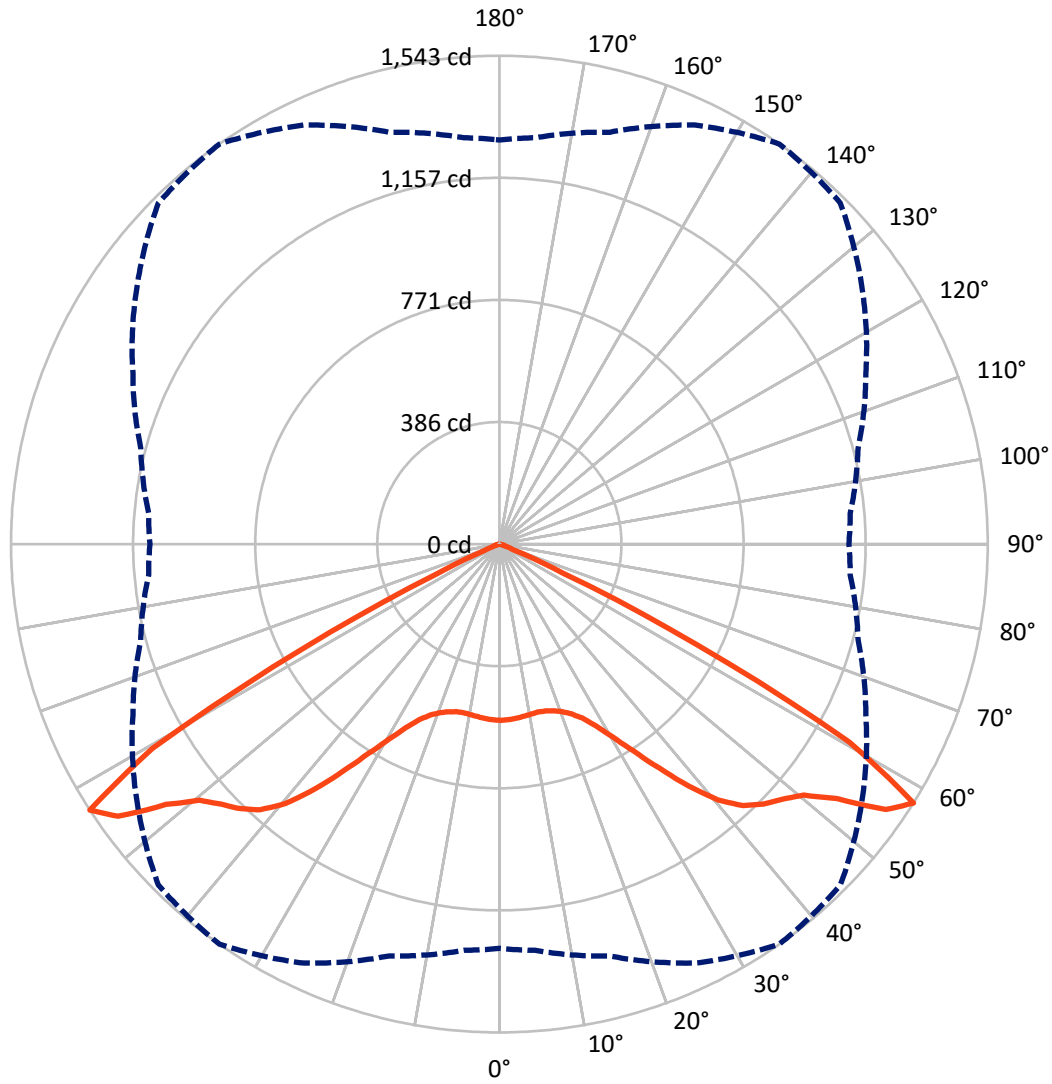
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - N/A

REPORT NUMBER: P632018
CATALOG NUMBER: GWS-SA2B-830-U-5MQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P632018

CATALOG NUMBER: GWS-SA2B-830-U-5MQ-W-GRSBK

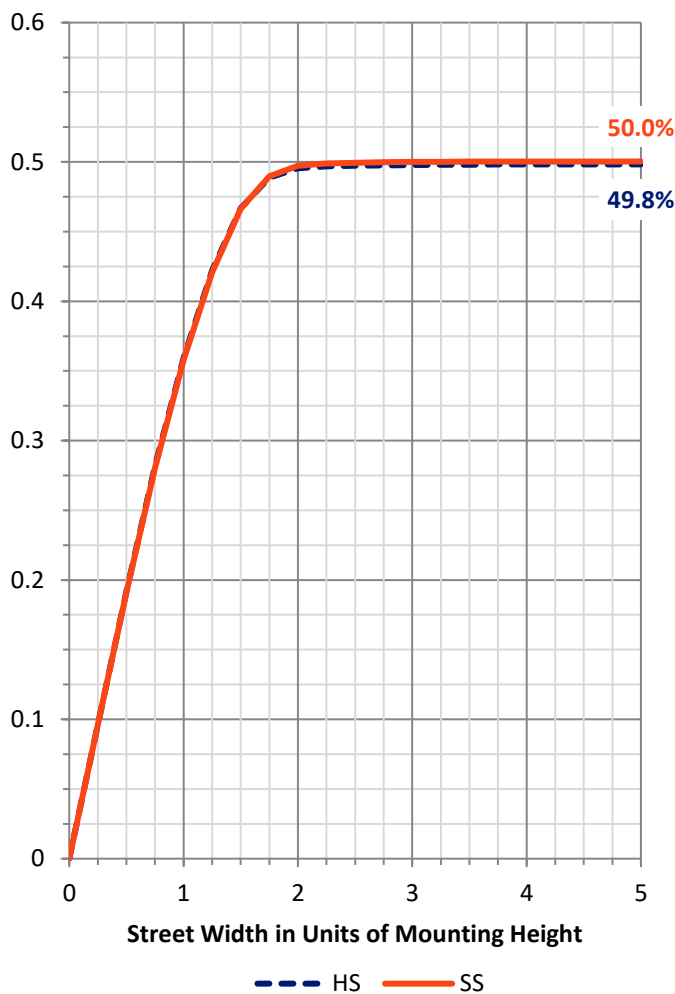
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1674.8	0.0	1674.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1674.8	0.0	1674.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	3349.6	0.0	3349.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.5	1.6
10°-20°	154.3	4.6
20°-30°	279.0	8.3
30°-40°	520.5	15.5
40°-50°	873.1	26.1
50°-60°	1153.0	34.4
60°-70°	306.2	9.1
70°-80°	10.9	0.3
80°-90°	0.2	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°	3349.6	100.0
0°-180°	3349.6	100.0

Coefficient of Utilization



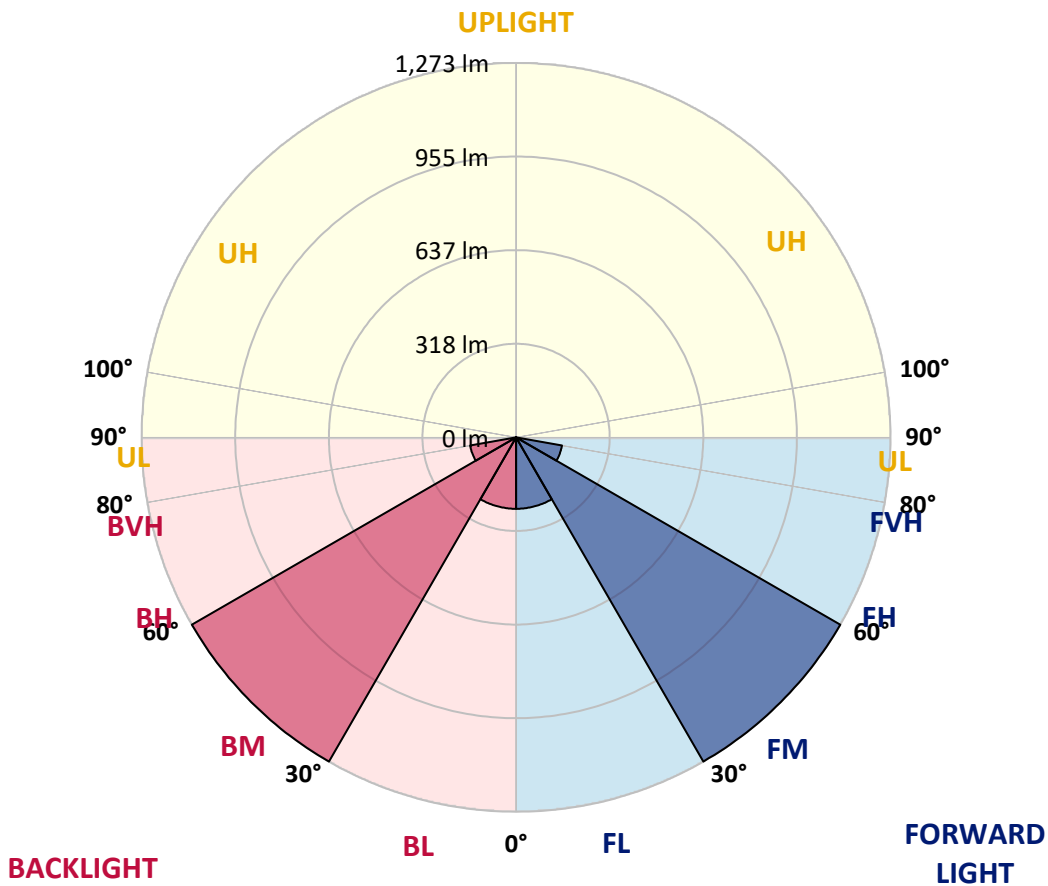
REPORT NUMBER: P632018

CATALOG NUMBER: GWS-SA2B-830-U-5MQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	242.9	7.3			
FM (30°-60°)	1273.3	38.0			
FH (60°-80°)	158.5	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	242.9	7.3	B1/500		
BM (30°-60°)	1273.3	38.0	B2/2500		
BH (60°-80°)	158.5	4.7	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type V Short





REPORT NUMBER: P632018

CATALOG NUMBER: GWS-SA2B-830-U-5MQ-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	556.9	556.9	556.9	556.9	556.9	556.9	556.9	556.9	556.9	556.9	556.9
2.5°	553.0	552.6	554.2	555.3	555.3	558.1	557.3	556.5	555.7	554.5	557.3
5°	552.2	551.8	553.0	553.8	553.0	555.3	553.8	552.2	551.4	549.8	553.0
7.5°	548.6	549.0	549.8	550.6	549.4	551.4	549.4	547.1	545.1	543.5	546.3
10°	543.1	543.5	544.3	545.9	546.3	549.0	546.3	542.0	539.2	536.9	539.6
12.5°	540.4	540.8	542.0	543.9	544.3	547.9	544.3	538.0	534.1	531.4	534.1
15°	541.2	542.0	543.5	545.9	546.7	550.2	545.5	537.3	531.7	528.2	530.6
17.5°	543.9	544.7	547.1	551.0	553.8	557.3	551.4	540.8	533.3	528.2	530.6
20°	547.5	548.6	552.6	558.9	564.8	571.0	563.6	549.0	539.2	532.9	534.9
22.5°	557.3	558.5	564.0	572.2	582.1	589.9	580.9	562.4	549.0	540.8	542.8
25°	577.3	578.5	585.6	596.2	608.8	619.0	607.6	584.4	567.1	557.7	558.5
27.5°	608.8	610.0	618.2	633.1	650.0	664.6	648.1	621.0	601.3	590.3	590.3
30°	648.5	650.0	661.0	681.1	707.4	726.7	704.3	671.3	646.1	631.2	631.6
32.5°	699.6	698.0	713.7	741.2	778.6	804.1	771.1	731.0	700.0	679.1	681.1
35°	765.2	764.8	782.5	819.8	868.6	899.2	859.9	808.0	770.7	749.5	749.9
37.5°	849.7	849.3	869.7	910.2	968.8	994.3	950.3	897.6	857.6	837.1	839.5
40°	948.7	946.4	964.5	1003.4	1061.9	1078.4	1030.5	988.0	949.5	936.6	942.8
42.5°	1043.1	1038.0	1048.6	1083.9	1129.1	1131.5	1095.3	1066.2	1039.9	1029.7	1033.6
45°	1118.9	1115.0	1124.8	1145.2	1171.2	1159.4	1142.1	1133.1	1111.8	1100.8	1104.4
47.5°	1175.5	1175.5	1187.3	1199.9	1203.8	1182.2	1184.9	1184.9	1163.7	1146.4	1142.1
50°	1224.2	1227.8	1245.5	1258.4	1245.5	1218.0	1233.7	1230.5	1187.3	1152.7	1143.7
52.5°	1302.1	1305.6	1332.7	1350.4	1335.9	1308.7	1310.7	1271.4	1207.7	1166.9	1152.7
55°	1384.6	1393.2	1432.5	1479.7	1480.1	1452.2	1400.3	1330.7	1253.3	1208.9	1194.4
57.5°	1276.5	1288.3	1346.9	1460.4	1542.6	1523.3	1399.5	1277.3	1172.8	1112.2	1104.0
60°	878.4	898.8	957.4	1112.6	1271.0	1278.5	1132.3	995.1	875.2	800.6	802.1
62.5°	371.0	391.8	424.8	552.6	698.0	707.0	636.3	538.0	440.2	386.3	394.6
65°	87.2	93.1	103.0	152.9	221.7	231.9	213.8	166.6	123.0	104.1	106.1
67.5°	38.1	38.9	36.9	39.3	48.7	49.9	48.3	42.4	40.1	40.9	40.9
70°	26.7	27.1	25.5	24.4	23.2	21.6	22.4	24.8	26.7	28.3	27.9
72.5°	16.5	16.9	17.3	17.3	16.1	14.5	15.3	16.9	17.3	17.7	17.3
75°	8.3	8.6	9.4	9.8	9.4	9.0	9.0	9.4	9.4	9.0	9.0
77.5°	1.6	2.0	2.8	3.1	3.1	3.1	3.1	3.1	3.5	3.1	3.1
80°	0.4	0.4	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
82.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
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)