

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: P632025

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632025  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)  
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-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

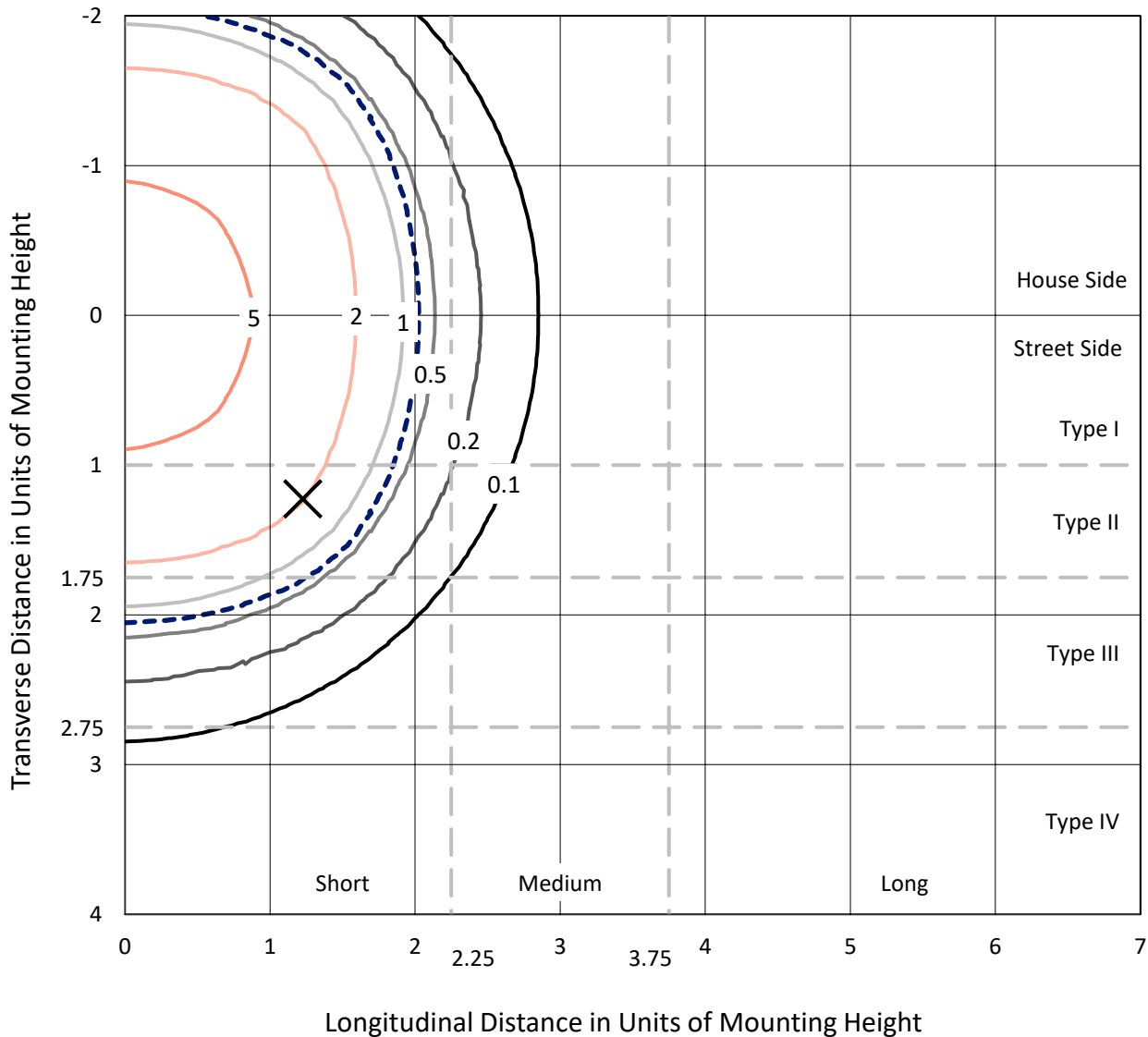
Lumens per Lamp: N/A  
Luminaire Lumens: 4630 lumens  
Efficiency: N/A  
Efficacy: 99.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 46.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P632025  
 CATALOG NUMBER: GWS-SA2B-830-U-5WQ-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

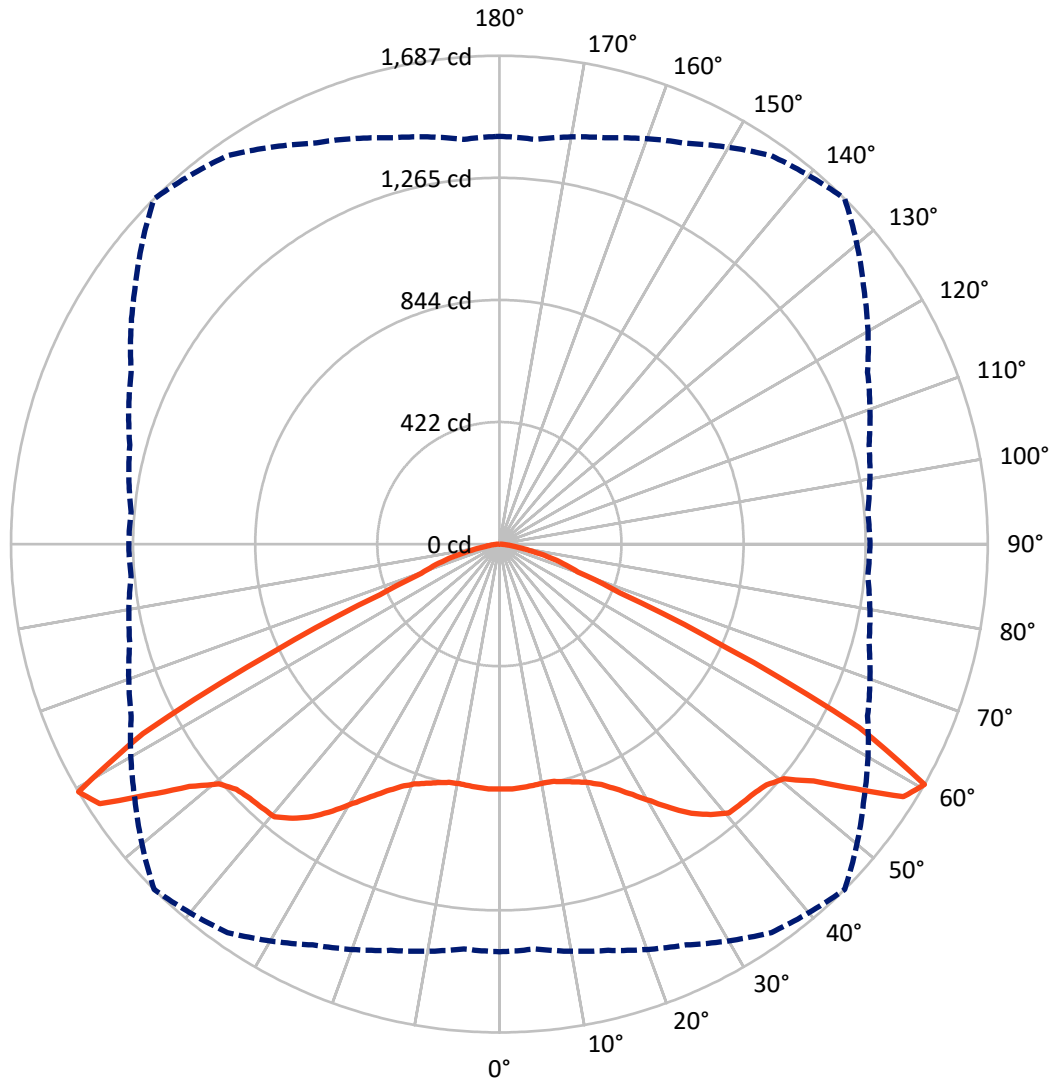
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 fc  
 Type V - Short - N/A

REPORT NUMBER: P632025  
CATALOG NUMBER: GWS-SA2B-830-U-5WQ-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P632025

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

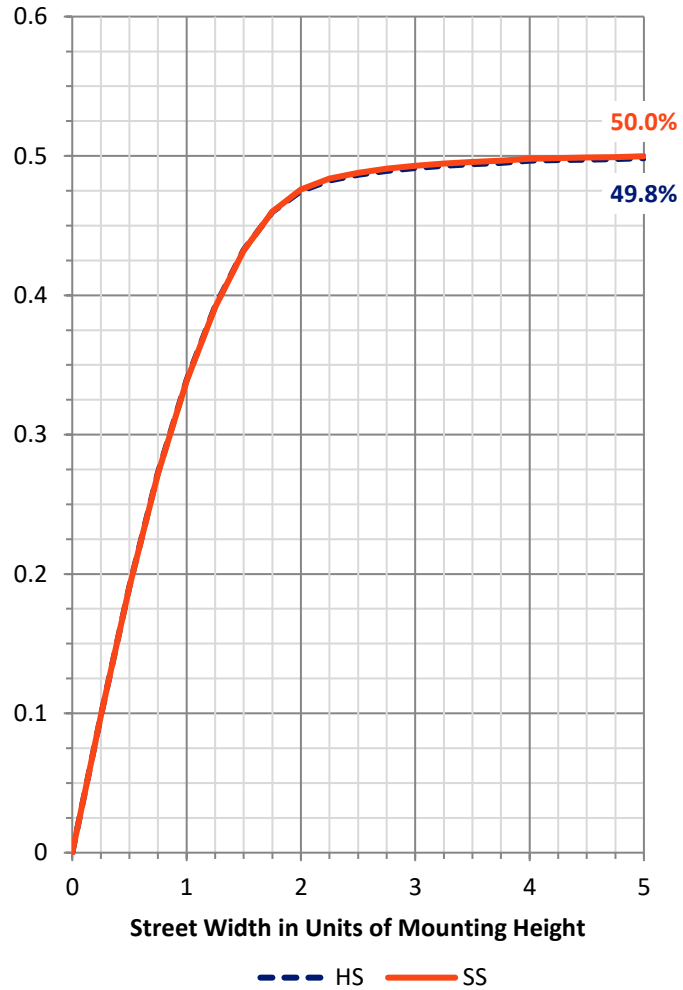
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2315.0	0.0	2315.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2315.0	0.0	2315.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4630.0	0.0	4630.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.2	1.7
10°-20°	241.4	5.2
20°-30°	427.0	9.2
30°-40°	687.5	14.8
40°-50°	944.9	20.4
50°-60°	1259.2	27.2
60°-70°	784.8	17.0
70°-80°	180.5	3.9
80°-90°	24.5	0.5
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°	4630.0	100.0
0°-180°	4630.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P632025

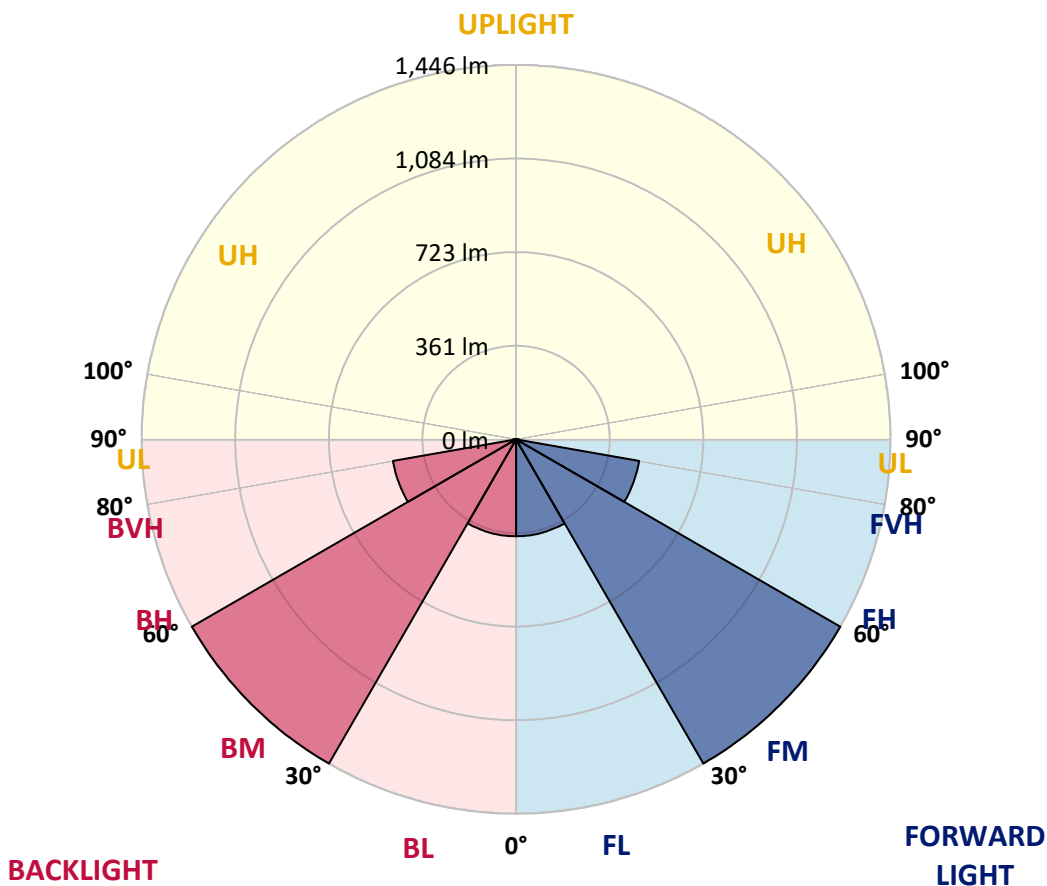
CATALOG NUMBER: GWS-SA2B-830-U-5WQ-W-GRSWH

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	374.3	8.1			
FM (30°-60°)	1445.8	31.2			
FH (60°-80°)	482.6	10.4			G0/660
FVH (80°-90°)	12.2	0.3			G1/100
BL (0°-30°)	374.3	8.1	B1/500		
BM (30°-60°)	1445.8	31.2	B2/2500		
BH (60°-80°)	482.6	10.4	B1/500		G0/660
BVH (80°-90°)	12.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 <td></td> <td>U0/0</td> <td></td>		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





REPORT NUMBER: P632025

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

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	846.1	846.1	846.1	846.1	846.1	846.1	846.1	846.1	846.1	846.1	846.1
2.5°	840.2	841.0	842.6	843.8	845.3	846.9	847.7	846.1	845.3	842.2	845.7
5°	841.0	841.8	843.0	843.0	843.4	844.6	844.6	842.6	840.6	837.1	841.0
7.5°	839.8	840.6	841.0	840.6	841.0	841.4	840.6	838.3	836.3	833.2	836.3
10°	837.9	838.7	839.4	838.7	837.9	839.1	839.1	837.5	836.3	833.2	836.7
12.5°	842.2	843.4	843.8	841.8	841.0	841.4	841.4	839.8	839.8	837.1	841.0
15°	852.4	853.2	852.0	849.7	850.1	851.2	848.5	844.6	843.8	842.6	845.7
17.5°	860.3	861.1	859.9	858.3	861.1	863.8	858.7	851.2	848.9	848.1	851.6
20°	868.9	870.1	868.5	870.5	876.0	879.1	872.8	862.6	857.9	856.7	861.1
22.5°	883.1	884.6	884.6	889.0	897.2	902.3	894.5	880.7	873.6	871.7	876.0
25°	905.5	906.6	907.8	916.5	929.8	936.9	924.3	905.5	895.6	892.5	894.9
27.5°	936.5	938.5	940.4	953.0	969.5	979.7	961.7	938.1	925.9	919.6	924.3
30°	973.5	976.2	980.9	995.1	1018.3	1029.7	1006.5	977.8	964.0	957.3	963.6
32.5°	1023.8	1024.2	1027.7	1043.4	1074.1	1087.0	1058.0	1026.1	1012.0	1004.1	1007.6
35°	1083.5	1083.9	1078.4	1094.5	1127.5	1142.1	1107.9	1075.6	1063.8	1061.5	1070.5
37.5°	1144.8	1141.3	1135.8	1142.8	1176.2	1185.7	1149.5	1122.0	1116.9	1121.2	1134.6
40°	1188.4	1182.5	1171.5	1176.6	1210.4	1221.4	1182.9	1157.0	1155.4	1166.0	1182.1
42.5°	1216.7	1210.4	1197.5	1197.5	1220.7	1225.4	1195.5	1181.7	1185.3	1197.5	1212.8
45°	1230.5	1226.9	1219.5	1215.5	1228.5	1230.5	1207.7	1202.2	1208.9	1214.8	1226.5
47.5°	1241.1	1241.1	1238.7	1234.8	1240.7	1241.9	1225.0	1223.4	1232.1	1232.1	1239.9
50°	1260.0	1261.9	1265.1	1264.3	1270.6	1274.5	1261.9	1259.6	1263.1	1251.7	1255.6
52.5°	1309.5	1314.6	1323.6	1330.7	1346.8	1359.0	1336.6	1317.7	1299.3	1274.1	1274.9
55°	1398.3	1400.6	1418.3	1439.2	1466.3	1491.0	1445.1	1386.5	1346.4	1316.9	1317.3
57.5°	1473.4	1476.9	1502.8	1546.4	1607.4	1645.9	1544.1	1446.2	1389.6	1353.5	1354.7
60°	1408.5	1403.8	1452.9	1527.6	1638.0	1687.1	1537.0	1403.4	1322.0	1277.2	1280.4
62.5°	1089.8	1080.7	1135.4	1213.6	1346.0	1395.1	1256.8	1128.7	1051.7	1016.7	1011.6
65°	663.4	655.1	694.4	742.4	832.0	863.0	799.8	731.8	664.6	643.3	637.4
67.5°	361.2	360.0	370.6	394.2	433.5	448.0	435.8	403.6	386.3	371.4	371.4
70°	286.5	284.1	282.2	282.6	286.1	288.1	288.5	286.9	288.9	289.2	287.7
72.5°	237.4	236.6	232.7	233.0	231.5	230.7	233.4	235.0	238.2	238.6	238.6
75°	172.1	170.2	172.1	172.5	171.0	171.0	172.9	172.5	174.1	174.9	170.6
77.5°	97.9	97.9	100.6	103.8	106.1	106.1	108.1	108.1	110.0	109.6	108.9
80°	53.8	53.8	55.4	57.4	59.7	62.1	64.1	64.5	65.6	65.2	64.1
82.5°	30.7	31.0	31.8	33.0	35.4	37.3	39.3	39.7	40.9	40.9	39.7
85°	14.5	14.1	14.5	15.3	16.5	18.1	20.0	21.2	22.0	22.0	21.2
87.5°	2.8	3.1	2.8	3.1	3.5	4.7	5.5	6.3	7.5	7.9	7.1
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)