

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: P632024

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632024
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-SA2B-830-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 2885.1 lumens
Efficiency: N/A
Efficacy: 62.2 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

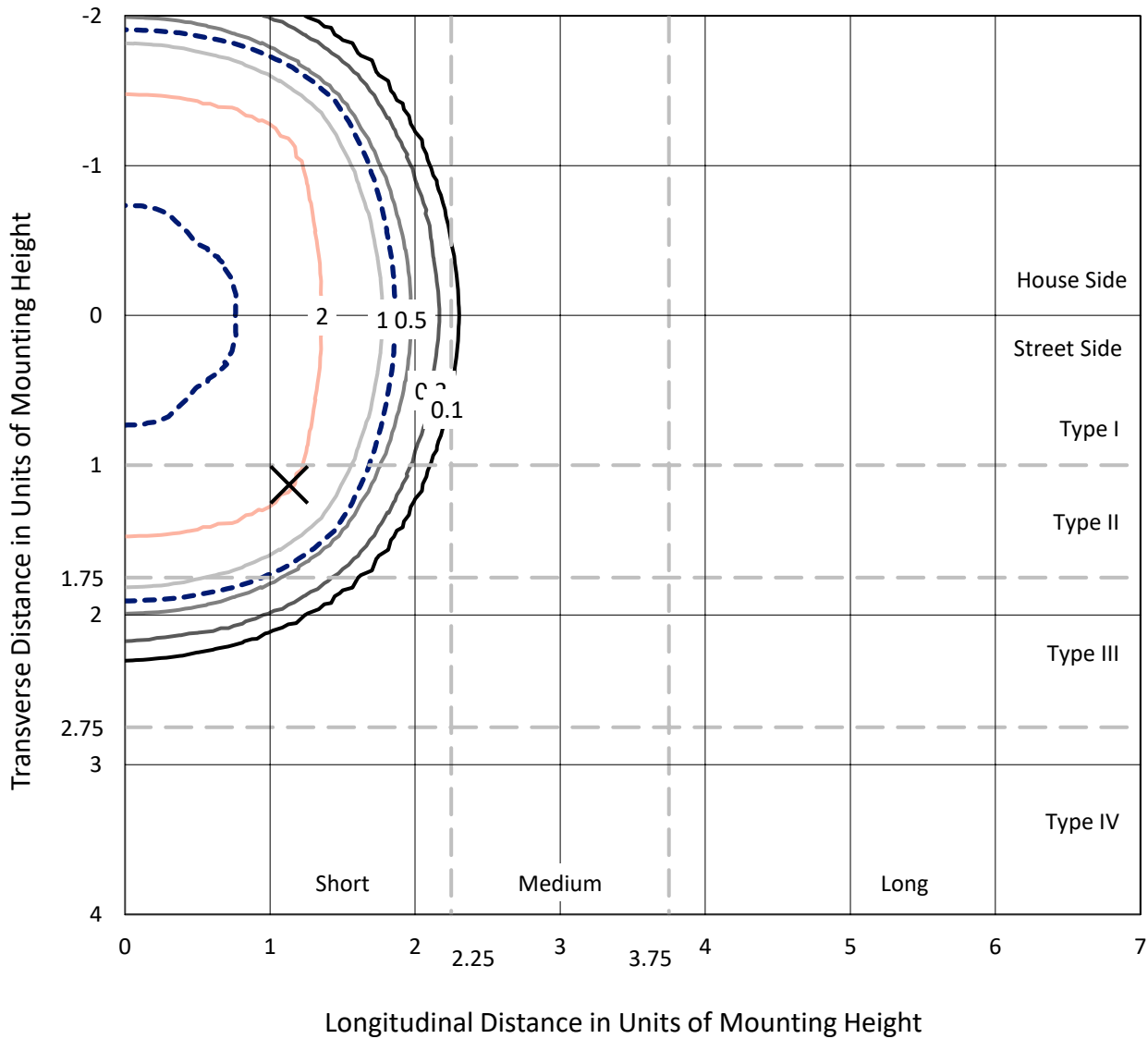


REPORT NUMBER: P632024

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

Iso-Footcandle Lines of Horizontal Illumination

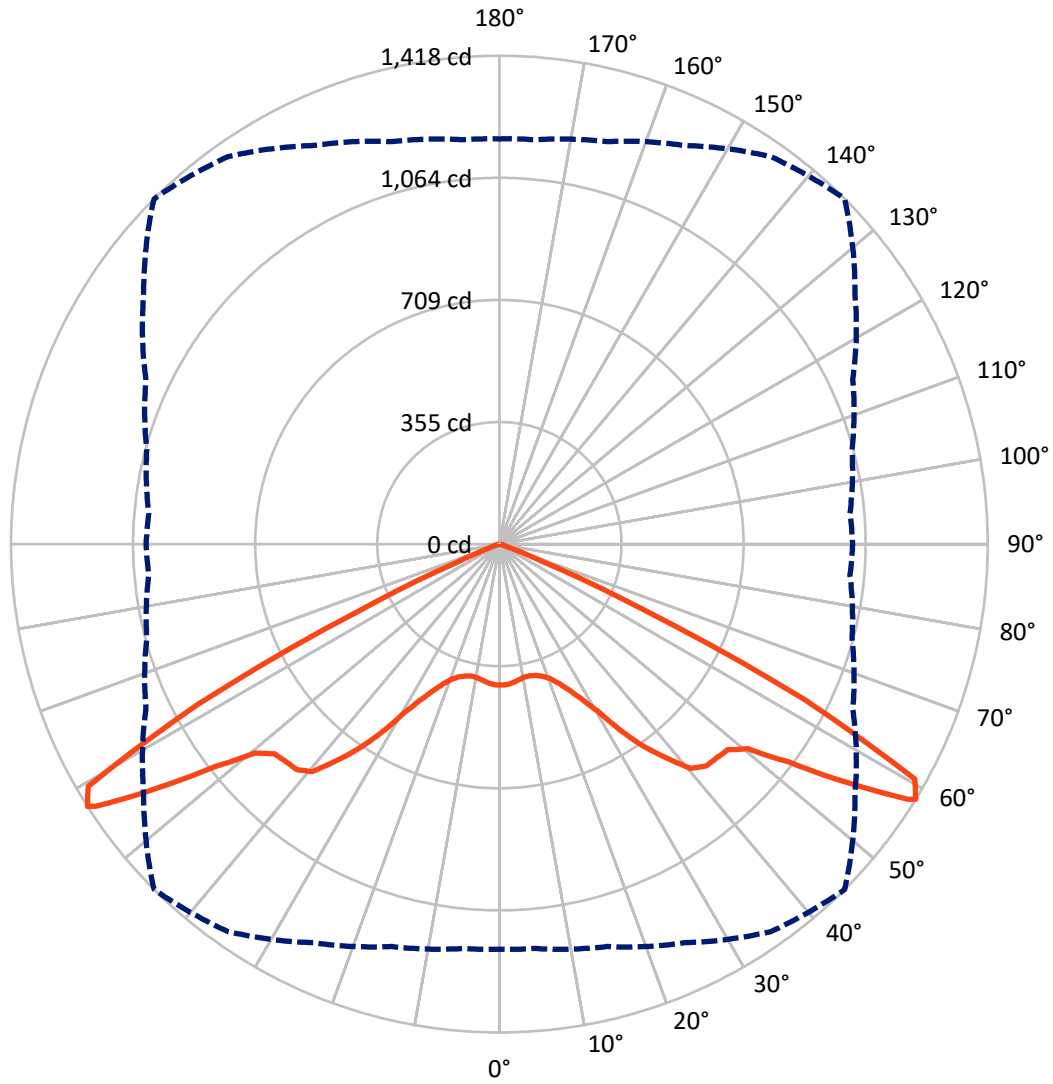
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type V - Short - N/A

REPORT NUMBER: P632024
CATALOG NUMBER: GWS-SA2B-830-U-5WQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

REPORT NUMBER: P632024

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

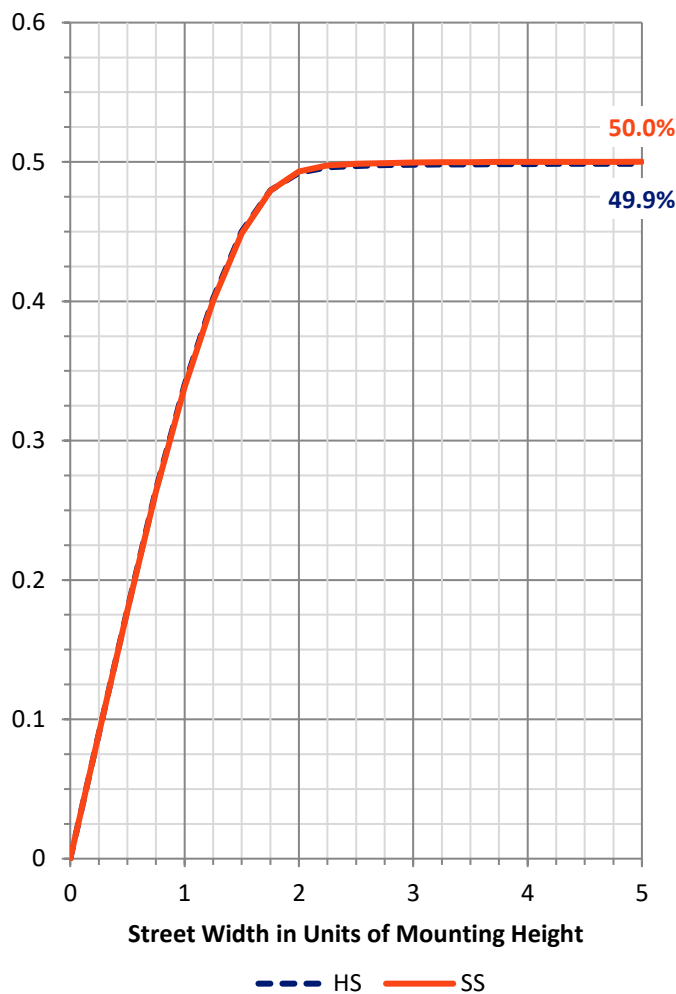
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1442.5	0.0	1442.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1442.5	0.0	1442.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2885.1	0.0	2885.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.2	1.3
10°-20°	113.0	3.9
20°-30°	213.6	7.4
30°-40°	421.3	14.6
40°-50°	666.7	23.1
50°-60°	980.1	34.0
60°-70°	437.5	15.2
70°-80°	14.6	0.5
80°-90°	0.1	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°	2885.1	100.0
0°-180°	2885.1	100.0

Coefficient of Utilization



REPORT NUMBER: P632024

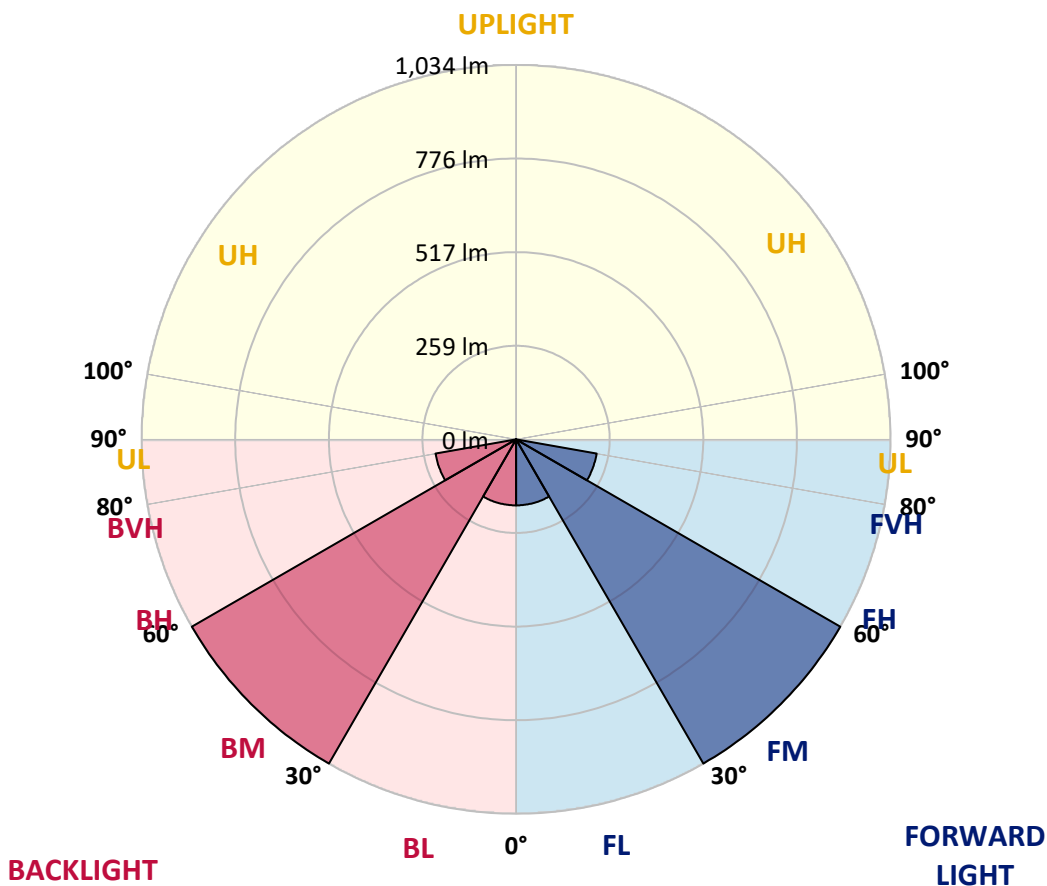
CATALOG NUMBER: GWS-SA2B-830-U-5WQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	182.4	6.3			
FM (30°-60°)	1034.1	35.8			
FH (60°-80°)	226.1	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	182.4	6.3	B1/500		
BM (30°-60°)	1034.1	35.8	B2/2500		
BH (60°-80°)	226.1	7.8	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: P632024

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1
2.5°	405.2	406.0	406.8	407.2	407.6	408.8	409.1	408.0	408.0	405.6	408.4
5°	403.3	404.0	404.8	404.4	404.4	404.4	404.0	402.5	402.1	399.7	402.5
7.5°	399.7	400.5	400.5	399.3	398.5	398.5	398.1	396.2	395.8	393.4	396.2
10°	397.0	397.4	397.0	394.6	393.0	393.0	392.6	391.9	392.2	390.7	393.0
12.5°	398.5	398.9	397.4	394.2	392.2	391.9	390.7	389.5	390.7	390.3	392.6
15°	403.6	404.0	401.3	397.4	395.8	395.8	392.6	389.5	391.1	391.5	394.2
17.5°	409.9	409.9	406.4	402.9	403.3	403.3	398.1	392.6	393.0	394.6	397.4
20°	417.4	417.4	413.9	413.1	415.8	416.2	409.9	401.3	399.3	400.5	403.6
22.5°	430.8	430.8	428.0	430.0	436.3	438.2	428.8	416.6	411.9	412.7	415.8
25°	451.6	451.6	450.8	455.5	464.6	468.9	456.3	440.2	432.3	431.2	434.7
27.5°	486.6	487.0	485.8	492.9	504.3	509.4	492.1	470.9	461.4	459.5	463.0
30°	531.8	531.8	532.2	542.0	556.9	563.6	540.8	516.1	505.0	498.8	503.5
32.5°	582.1	582.9	586.8	603.3	629.6	643.4	610.0	575.4	557.7	551.0	556.1
35°	665.0	657.5	652.8	665.0	703.1	721.2	678.4	637.9	624.5	623.7	636.7
37.5°	747.2	742.8	733.0	745.6	779.8	788.0	740.9	707.1	697.6	702.7	715.7
40°	812.4	804.5	791.6	803.4	848.2	856.4	798.2	764.8	761.3	772.7	790.4
42.5°	863.9	852.9	835.6	838.3	874.5	880.4	828.9	803.7	806.1	820.3	840.3
45°	887.1	878.4	863.1	861.9	884.7	885.1	844.6	831.7	837.9	848.9	864.7
47.5°	896.9	893.0	884.3	882.4	895.3	892.2	867.0	861.5	867.4	870.6	879.6
50°	921.3	921.3	922.4	924.0	937.4	934.2	916.5	910.3	902.8	891.8	894.5
52.5°	989.7	992.4	1003.8	1016.4	1040.7	1051.0	1022.3	985.7	950.0	926.0	926.0
55°	1113.1	1115.8	1129.2	1150.4	1195.2	1219.6	1152.8	1072.2	1023.1	990.4	994.8
57.5°	1181.1	1184.2	1211.7	1269.1	1356.0	1397.2	1253.8	1134.3	1065.5	1028.2	1031.3
58°	1176.7	1178.7	1209.8	1277.0	1373.6	1418.1	1260.8	1132.3	1060.0	1021.9	1025.8
60°	1045.5	1042.7	1092.2	1188.1	1324.5	1385.8	1190.5	1033.7	949.6	910.7	912.6
62.5°	683.5	685.1	727.9	828.1	934.2	992.0	831.7	714.9	647.3	623.7	617.8
65°	285.3	280.2	306.6	362.4	426.0	458.3	393.8	333.3	291.6	275.9	280.2
67.5°	73.5	71.5	73.1	91.6	112.0	132.5	111.2	84.9	73.9	74.7	74.7
70°	41.7	39.3	31.8	29.5	28.7	28.7	28.7	28.7	33.0	38.9	40.1
72.5°	31.4	29.5	23.2	20.0	17.7	16.5	17.3	20.0	24.0	29.1	29.9
75°	15.7	15.7	14.1	13.4	11.8	11.0	11.4	12.6	14.5	16.5	16.1
77.5°	3.1	3.5	3.9	4.7	3.9	3.9	3.9	4.7	4.7	5.1	4.7
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82.5°	0.0	0.4	0.4	0.0	0.0	0.0	0.0	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	0.0	0.4	0.4
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)