

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: P630041

Luminaire Tested: GWS-SA1C-830-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630041
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-830-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2686.8 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

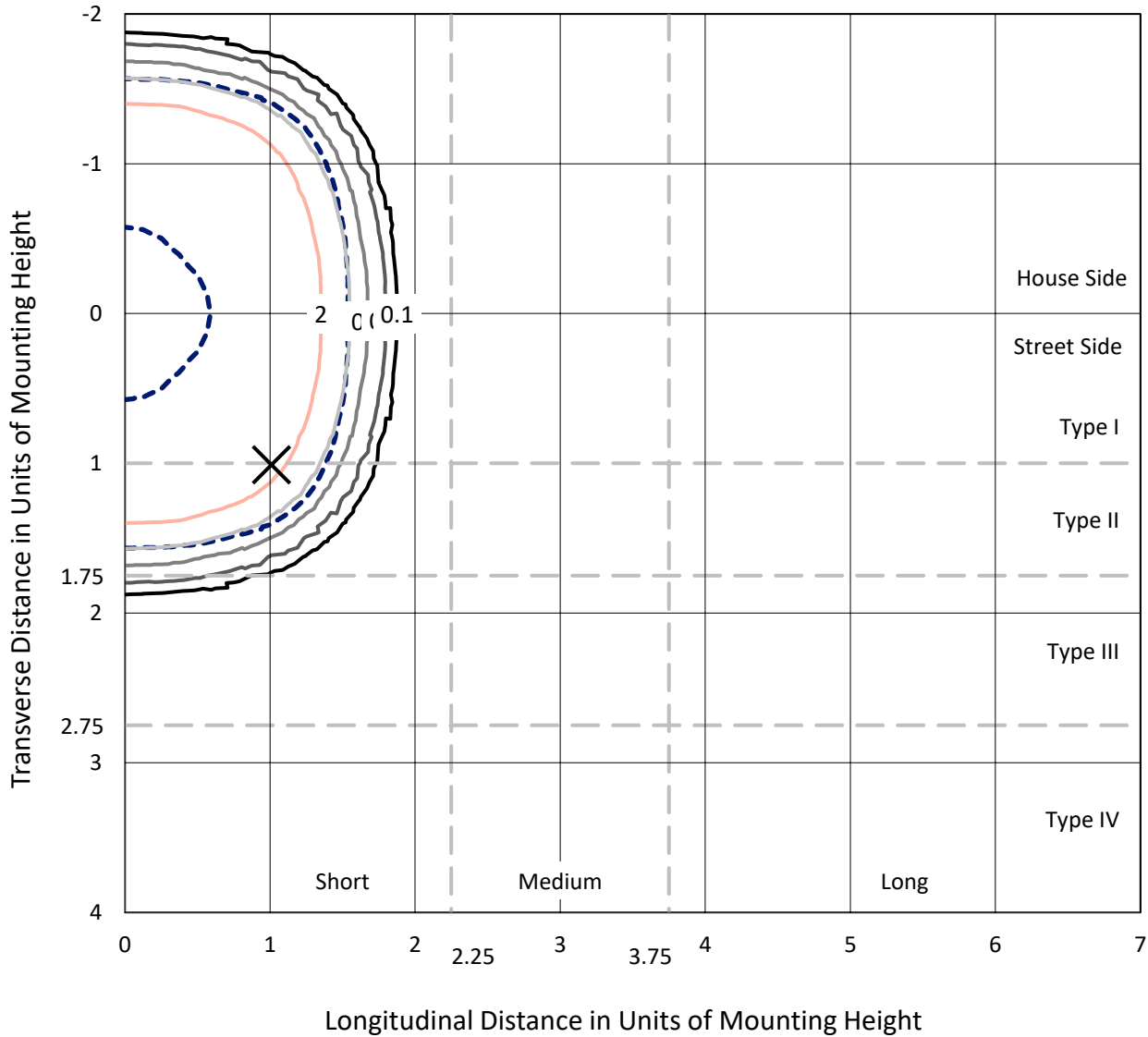
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630041
 CATALOG NUMBER: GWS-SA1C-830-U-5NQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

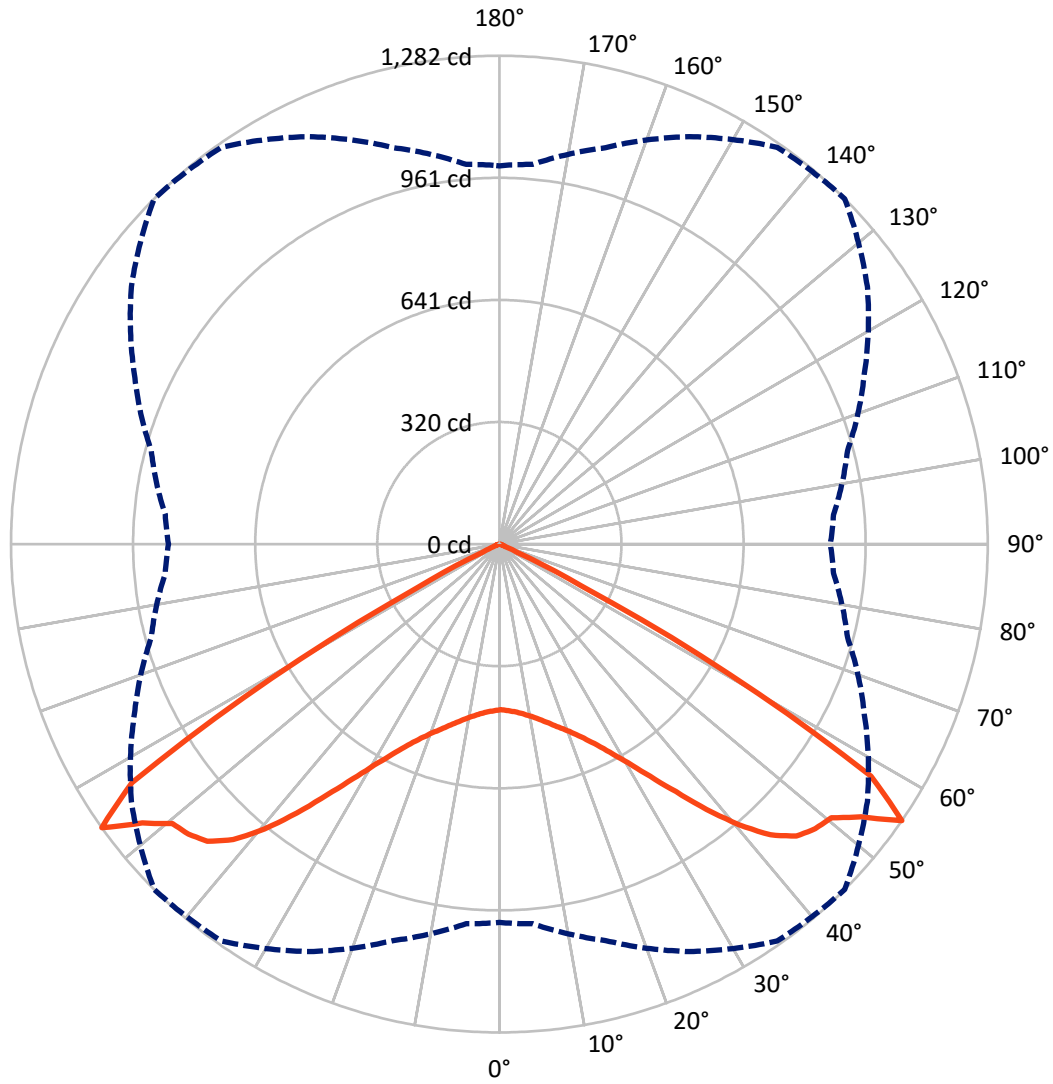
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P630041
CATALOG NUMBER: GWS-SA1C-830-U-5NQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P630041

CATALOG NUMBER: GWS-SA1C-830-U-5NQ-W-GRSBK

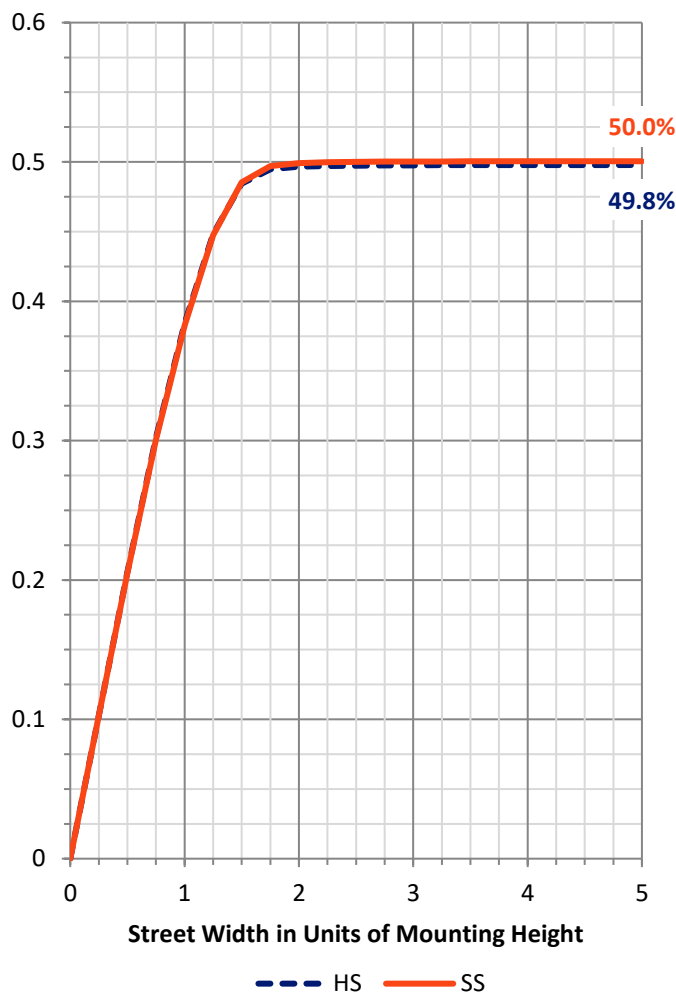
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1343.4	0.0	1343.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1343.4	0.0	1343.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	2686.8	0.0	2686.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.6	1.6
10°-20°	138.0	5.1
20°-30°	267.2	9.9
30°-40°	478.7	17.8
40°-50°	802.5	29.9
50°-60°	859.1	32.0
60°-70°	94.4	3.5
70°-80°	4.1	0.2
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°	2686.8	100.0
0°-180°	2686.8	100.0

Coefficient of Utilization



REPORT NUMBER: P630041

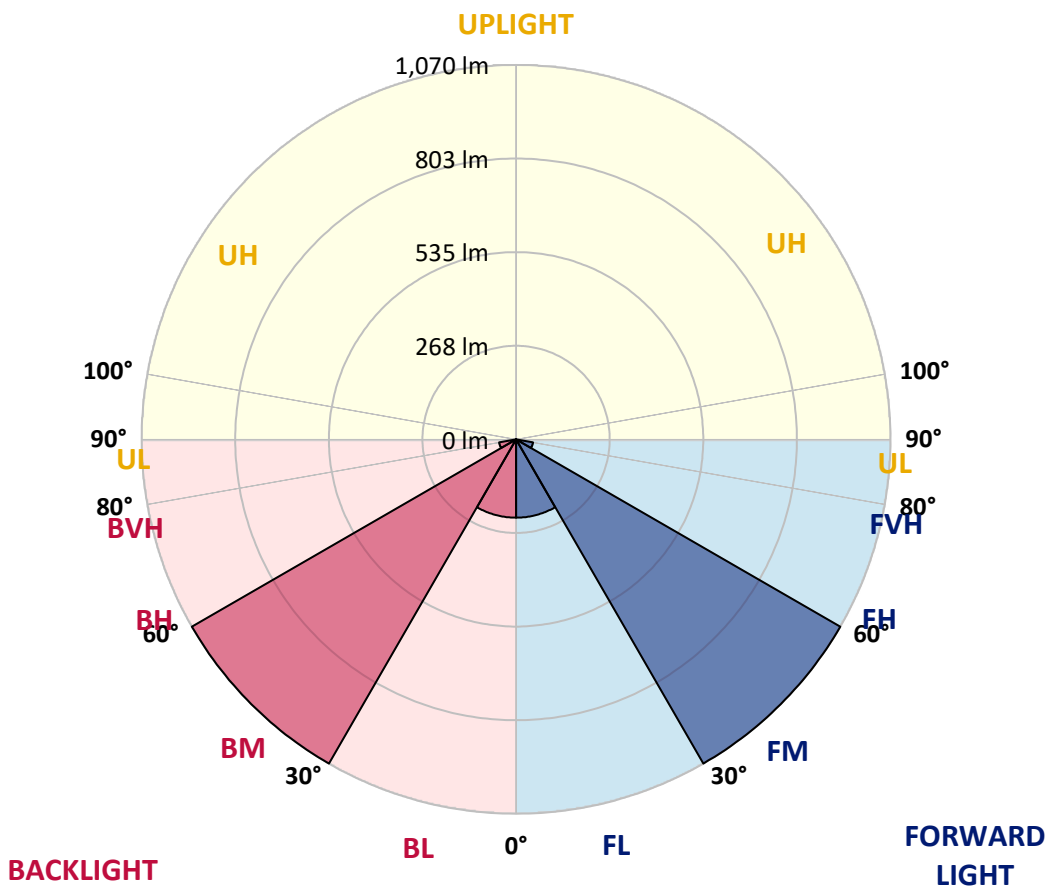
CATALOG NUMBER: GWS-SA1C-830-U-5NQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	223.9	8.3			
FM (30°-60°)	1070.2	39.8			
FH (60°-80°)	49.3	1.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	223.9	8.3	B1/500		
BM (30°-60°)	1070.2	39.8	B2/2500		
BH (60°-80°)	49.3	1.8	B0/110		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: P630041

CATALOG NUMBER: GWS-SA1C-830-U-5NQ-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	434.4	434.4	434.4	434.4	434.4	434.4	434.4	434.4	434.4	434.4	434.4
2.5°	433.6	433.6	434.7	435.5	435.5	437.7	436.9	436.0	436.0	435.0	437.1
5°	439.9	439.6	440.7	441.2	440.2	442.3	441.0	440.2	439.6	438.5	440.7
7.5°	446.7	447.0	447.3	448.4	447.8	450.0	448.9	447.3	446.7	445.1	447.3
10°	454.9	454.9	455.5	456.8	457.1	459.9	458.8	456.8	455.2	453.6	455.8
12.5°	465.3	465.6	466.4	468.3	469.4	472.5	470.8	467.0	464.5	462.6	465.1
15°	480.4	480.1	481.2	483.9	485.3	487.5	485.0	479.8	476.8	474.6	476.3
17.5°	496.8	496.8	497.4	500.1	502.0	505.3	502.3	496.0	493.3	490.2	491.9
20°	514.9	515.7	516.2	518.2	521.4	524.7	522.3	516.0	513.0	509.1	511.0
22.5°	538.7	537.9	538.1	541.4	546.1	549.4	547.5	540.1	534.9	531.9	532.9
25°	565.2	565.0	565.8	570.7	575.9	579.5	576.7	567.2	562.0	556.8	558.9
27.5°	597.8	598.1	598.6	604.7	612.9	618.1	611.2	601.7	594.5	587.7	589.3
30°	636.4	635.9	637.5	645.7	657.8	666.0	658.0	644.6	634.5	627.9	628.7
32.5°	677.5	678.0	682.4	695.5	711.4	725.9	709.8	692.0	678.8	666.5	668.2
35°	721.8	723.2	733.0	752.5	778.5	797.9	775.5	746.2	727.6	711.7	712.2
37.5°	774.1	777.4	791.1	820.1	857.3	883.3	850.5	811.6	787.5	767.8	766.4
40°	842.8	846.6	865.2	899.7	944.9	968.7	930.7	890.7	860.9	839.5	836.2
42.5°	921.6	926.6	946.8	982.1	1027.3	1043.4	1006.2	972.5	945.7	920.5	919.4
45°	1010.6	1013.3	1029.8	1056.9	1089.4	1093.3	1065.3	1046.7	1019.6	996.1	994.2
47.5°	1094.1	1096.8	1108.0	1122.0	1129.7	1116.0	1111.1	1102.8	1067.8	1038.8	1032.8
50°	1157.6	1159.8	1173.7	1179.2	1157.9	1128.8	1138.4	1120.9	1082.9	1050.3	1041.0
52.5°	1153.2	1158.7	1194.5	1225.7	1212.3	1188.8	1163.1	1125.3	1066.2	1021.5	1010.1
55°	992.8	1000.2	1077.1	1179.8	1271.5	1281.6	1178.7	1056.9	945.7	880.3	868.5
57.5°	638.1	640.0	733.9	877.8	1084.5	1149.7	977.5	796.8	658.6	586.6	581.7
60°	234.6	230.8	301.6	421.0	624.6	693.6	575.4	402.9	287.4	236.5	232.4
62.5°	56.4	56.9	70.6	105.9	196.0	242.5	191.6	107.0	68.2	57.2	56.7
65°	28.5	27.9	28.2	30.4	41.9	50.1	41.1	29.0	27.9	28.2	27.9
67.5°	18.3	18.1	18.6	18.9	18.6	17.5	17.2	17.8	17.8	18.1	17.5
70°	11.2	10.9	11.5	12.3	11.8	10.4	10.9	11.5	10.9	10.7	10.7
72.5°	6.0	6.0	6.6	7.1	6.6	6.0	6.0	6.3	6.0	6.0	6.0
75°	2.7	2.7	3.0	3.3	2.7	2.7	2.7	2.7	2.7	2.7	2.7
77.5°	0.8	0.8	1.1	1.1	0.8	0.8	0.8	0.8	1.1	1.1	1.1
80°	0.3	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
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)