

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: P642417

Luminaire Tested: GWS-SA6C-830-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642417
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-830-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20448.7 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

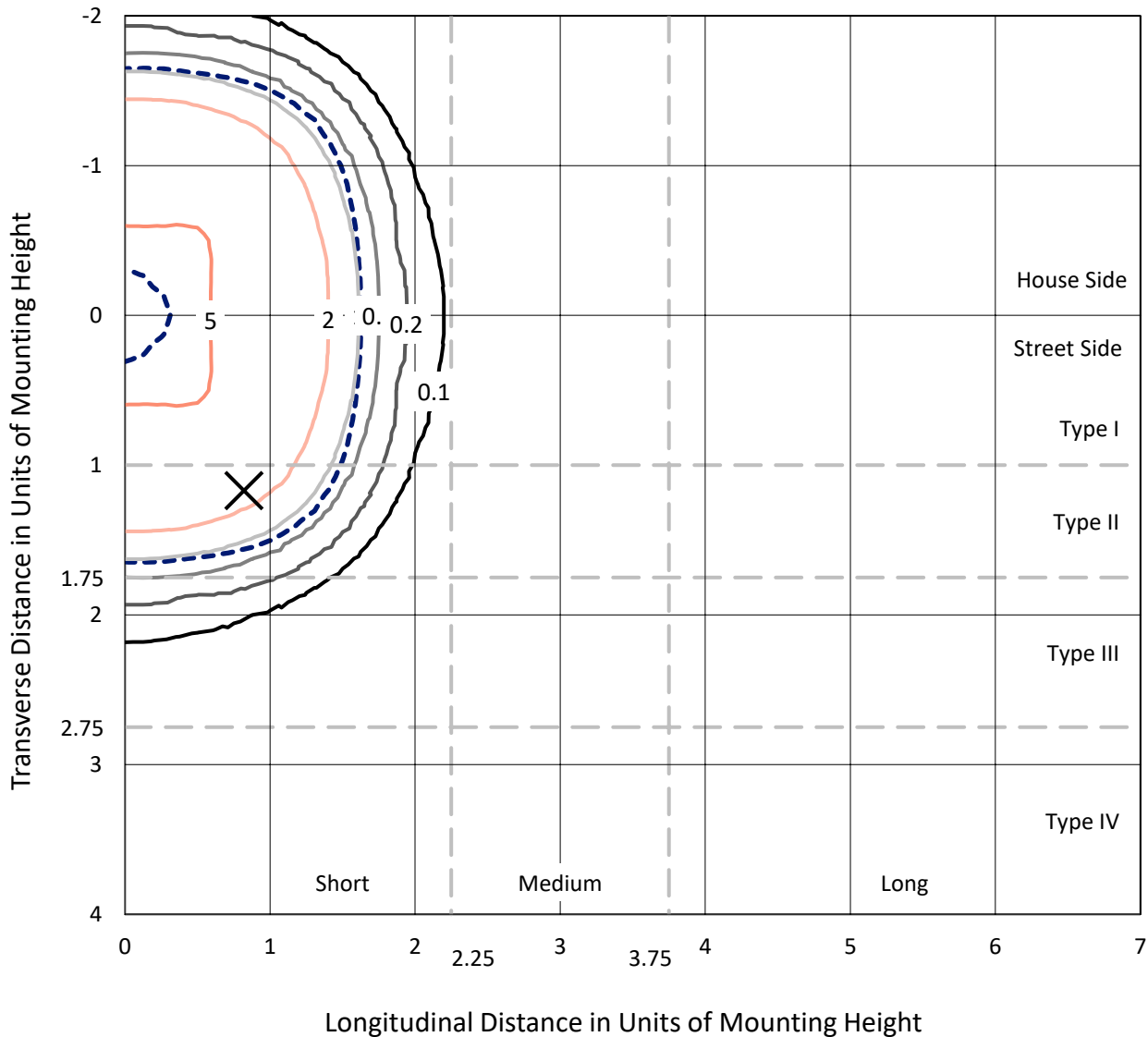
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642417
 CATALOG NUMBER: GWS-SA6C-830-U-5NQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

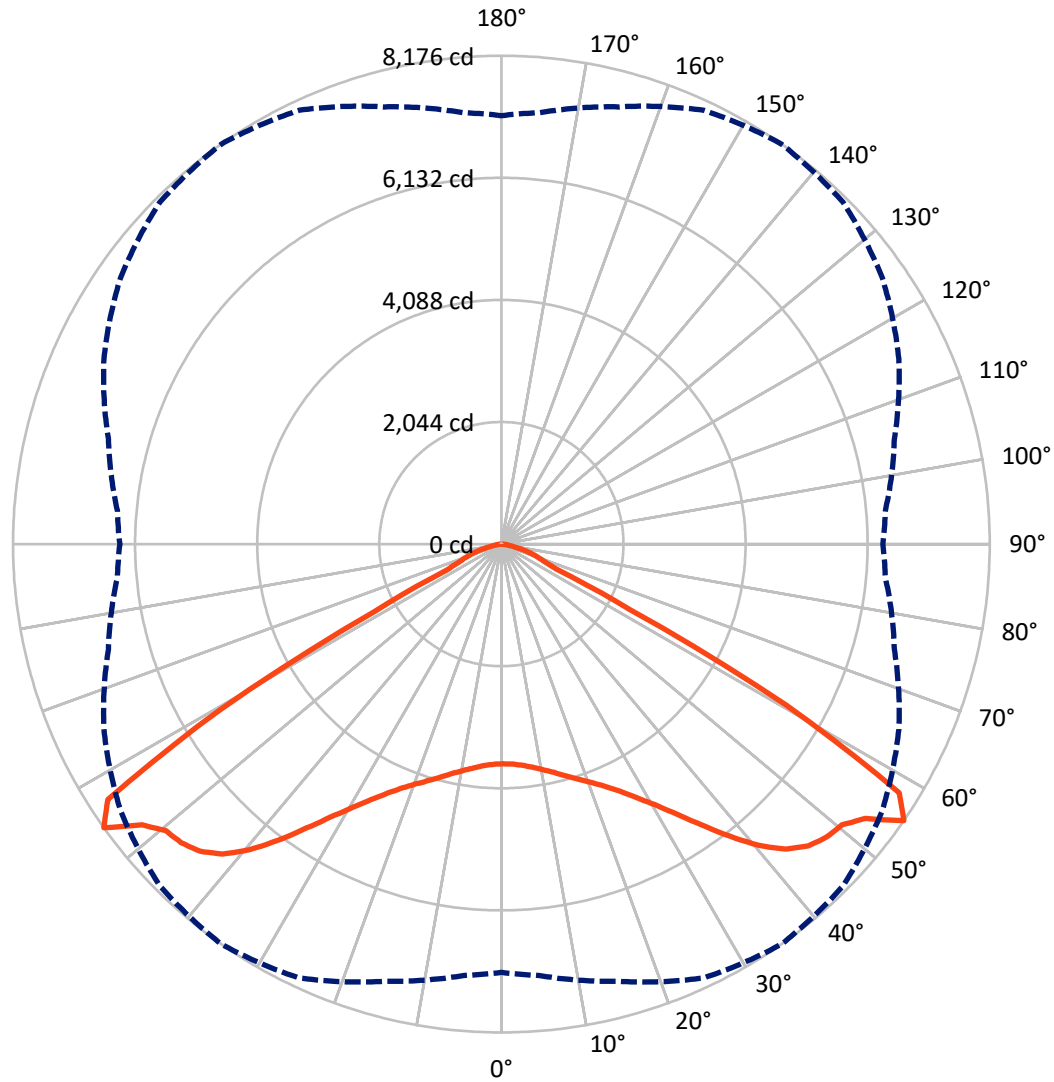
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type V - Short - N/A

REPORT NUMBER: P642417
CATALOG NUMBER: GWS-SA6C-830-U-5NQ-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P642417

CATALOG NUMBER: GWS-SA6C-830-U-5NQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10224.4	0.0	10224.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10224.4	0.0	10224.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	20448.7	0.0	20448.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.8	1.8
10°-20°	1142.4	5.6
20°-30°	2114.4	10.3
30°-40°	3536.9	17.3
40°-50°	5389.6	26.4
50°-60°	6037.5	29.5
60°-70°	1428.5	7.0
70°-80°	385.1	1.9
80°-90°	55.4	0.3
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°	20448.7	100.0
0°-180°	20448.7	100.0

Coefficient of Utilization



REPORT NUMBER: P642417

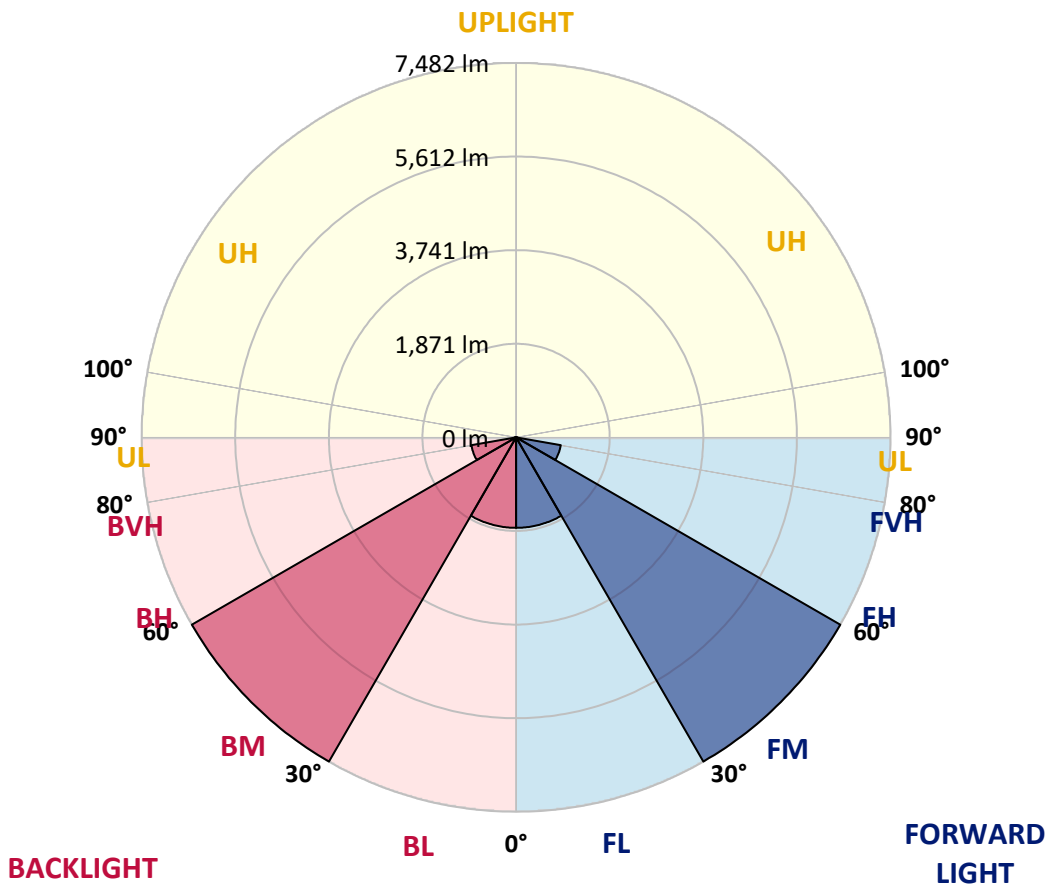
CATALOG NUMBER: GWS-SA6C-830-U-5NQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1807.8	8.8			
FM (30°-60°)	7482.0	36.6			
FH (60°-80°)	906.8	4.4			G1/1800
FVH (80°-90°)	27.7	0.1			G1/100
BL (0°-30°)	1807.8	8.8	B3/2500		
BM (30°-60°)	7482.0	36.6	B4/8500		
BH (60°-80°)	906.8	4.4	B2/1000		G1/1800
BVH (80°-90°)	27.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





REPORT NUMBER: P642417

CATALOG NUMBER: GWS-SA6C-830-U-5NQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3678.8	3678.8	3678.8	3678.8	3678.8	3678.8	3678.8	3678.8	3678.8	3678.8	3678.8
2.5°	3670.7	3670.7	3677.2	3685.2	3686.9	3703.0	3699.8	3693.3	3690.1	3683.6	3698.2
5°	3711.1	3712.7	3717.6	3722.4	3719.2	3732.1	3727.3	3719.2	3714.4	3706.3	3720.8
7.5°	3764.5	3764.5	3769.3	3775.8	3772.6	3792.0	3782.3	3770.9	3762.9	3753.2	3766.1
10°	3813.0	3816.2	3821.1	3834.0	3840.5	3861.5	3855.0	3838.9	3825.9	3814.6	3829.2
12.5°	3885.8	3889.0	3893.8	3911.6	3922.9	3944.0	3934.3	3911.6	3892.2	3876.1	3892.2
15°	3979.5	3976.3	3989.2	4011.9	4026.4	4045.8	4034.5	3995.7	3969.8	3948.8	3965.0
17.5°	4075.0	4073.3	4086.3	4115.4	4136.4	4162.3	4142.9	4097.6	4070.1	4044.2	4060.4
20°	4178.4	4183.3	4196.2	4223.7	4254.4	4288.4	4272.2	4223.7	4193.0	4163.9	4176.8
22.5°	4306.2	4307.8	4322.4	4357.9	4398.4	4430.7	4421.0	4361.2	4322.4	4291.6	4307.8
25°	4459.8	4458.2	4477.6	4519.6	4576.2	4608.6	4587.6	4521.3	4479.2	4443.6	4456.6
27.5°	4636.1	4634.4	4663.6	4718.5	4799.4	4844.7	4801.0	4718.5	4660.3	4610.2	4621.5
30°	4857.6	4852.8	4885.1	4959.5	5064.6	5140.6	5075.9	4961.1	4885.1	4831.7	4843.0
32.5°	5103.4	5109.9	5150.3	5250.5	5383.1	5481.8	5384.8	5257.0	5155.1	5077.5	5090.5
35°	5373.4	5373.4	5455.9	5580.4	5769.6	5900.6	5750.2	5565.9	5430.0	5323.3	5326.5
37.5°	5674.2	5677.4	5785.8	5957.2	6204.6	6358.2	6154.5	5926.5	5761.5	5646.7	5640.3
40°	6041.3	6051.0	6162.6	6353.4	6631.5	6772.2	6553.9	6330.7	6162.6	6026.7	6013.8
42.5°	6455.2	6458.5	6576.5	6747.9	6982.4	7066.5	6895.1	6712.4	6574.9	6452.0	6439.1
45°	6849.8	6841.7	6943.6	7071.3	7207.2	7215.3	7119.8	7045.5	6925.8	6820.7	6801.3
47.5°	7157.0	7150.6	7242.7	7312.3	7328.4	7249.2	7279.9	7291.3	7152.2	7009.9	6972.7
50°	7344.6	7357.6	7444.9	7483.7	7388.3	7258.9	7375.3	7346.2	7147.3	6961.4	6901.5
52.5°	7457.8	7477.2	7629.2	7727.9	7629.2	7506.3	7522.5	7351.1	7064.9	6819.1	6741.5
55°	7171.6	7249.2	7577.5	8014.1	8175.8	8090.1	7782.8	7341.4	6811.0	6453.6	6387.3
57.5°	5315.2	5438.1	5924.9	6870.8	7854.0	8166.1	7268.6	6154.5	5350.8	4891.6	4852.8
60°	2713.4	2850.8	3240.6	4212.4	5476.9	5916.8	5063.0	3940.7	3132.2	2760.3	2718.3
62.5°	1107.7	1130.3	1258.1	1633.2	2420.7	2792.6	2453.1	1722.2	1293.6	1191.8	1193.4
65°	871.6	876.4	870.0	892.6	1013.9	1125.5	1039.8	913.6	891.0	902.3	894.2
67.5°	760.0	761.6	756.8	756.8	761.6	756.8	766.5	771.3	774.6	787.5	779.4
70°	635.5	637.1	637.1	640.3	638.7	630.6	645.2	651.7	653.3	661.4	656.5
72.5°	491.6	496.4	499.7	501.3	499.7	494.8	502.9	514.2	512.6	520.7	512.6
75°	333.1	339.6	342.8	349.3	347.7	347.7	357.4	362.2	357.4	363.8	357.4
77.5°	189.2	194.0	203.7	210.2	216.7	221.5	228.0	231.2	229.6	232.9	229.6
80°	110.0	111.6	119.7	122.9	131.0	139.1	145.5	148.8	150.4	152.0	150.4
82.5°	63.1	64.7	67.9	71.1	77.6	84.1	90.6	95.4	95.4	97.0	95.4
85°	30.7	30.7	32.3	34.0	37.2	42.0	46.9	51.7	53.4	53.4	53.4
87.5°	4.9	4.9	6.5	6.5	8.1	9.7	12.9	16.2	17.8	17.8	17.8
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)