

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: P642420

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642420
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-SA6C-830-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 19049.9 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

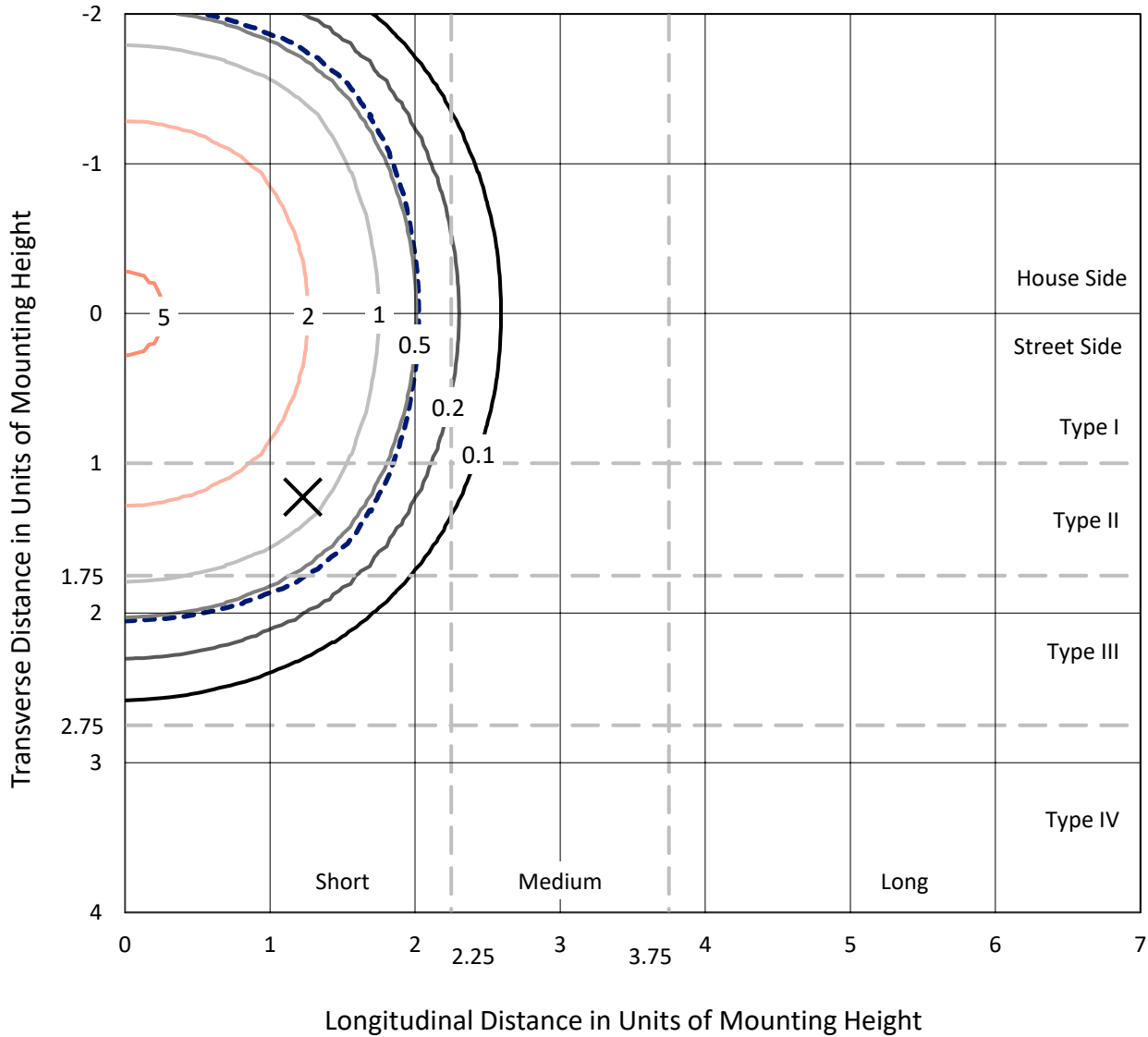
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

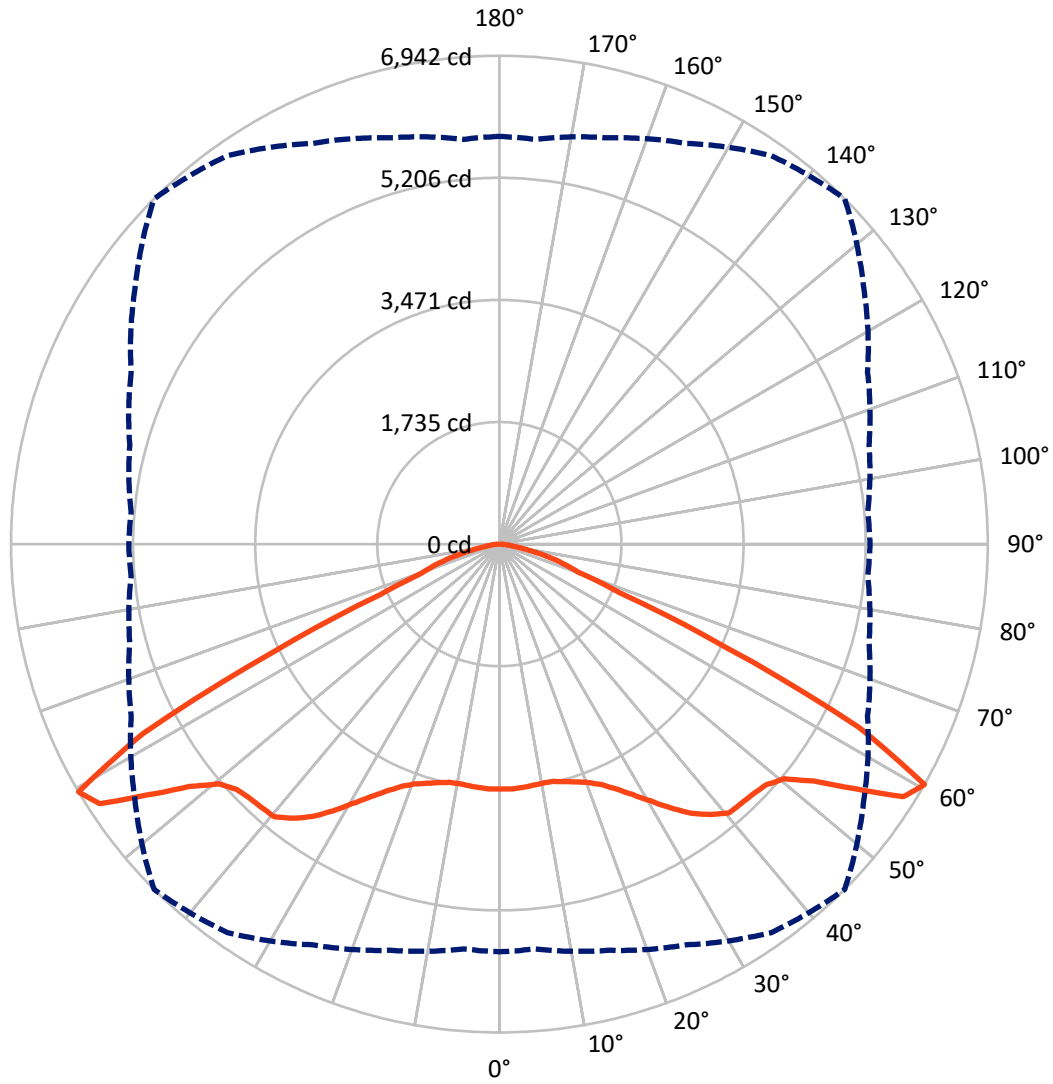
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9525.0	0.0	9525.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9525.0	0.0	9525.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19049.9	0.0	19049.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.2	1.7
10°-20°	993.1	5.2
20°-30°	1756.9	9.2
30°-40°	2828.6	14.8
40°-50°	3887.9	20.4
50°-60°	5181.0	27.2
60°-70°	3229.0	17.0
70°-80°	742.5	3.9
80°-90°	100.7	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°	19049.9	100.0
0°-180°	19049.9	100.0

Coefficient of Utilization



REPORT NUMBER: P642420

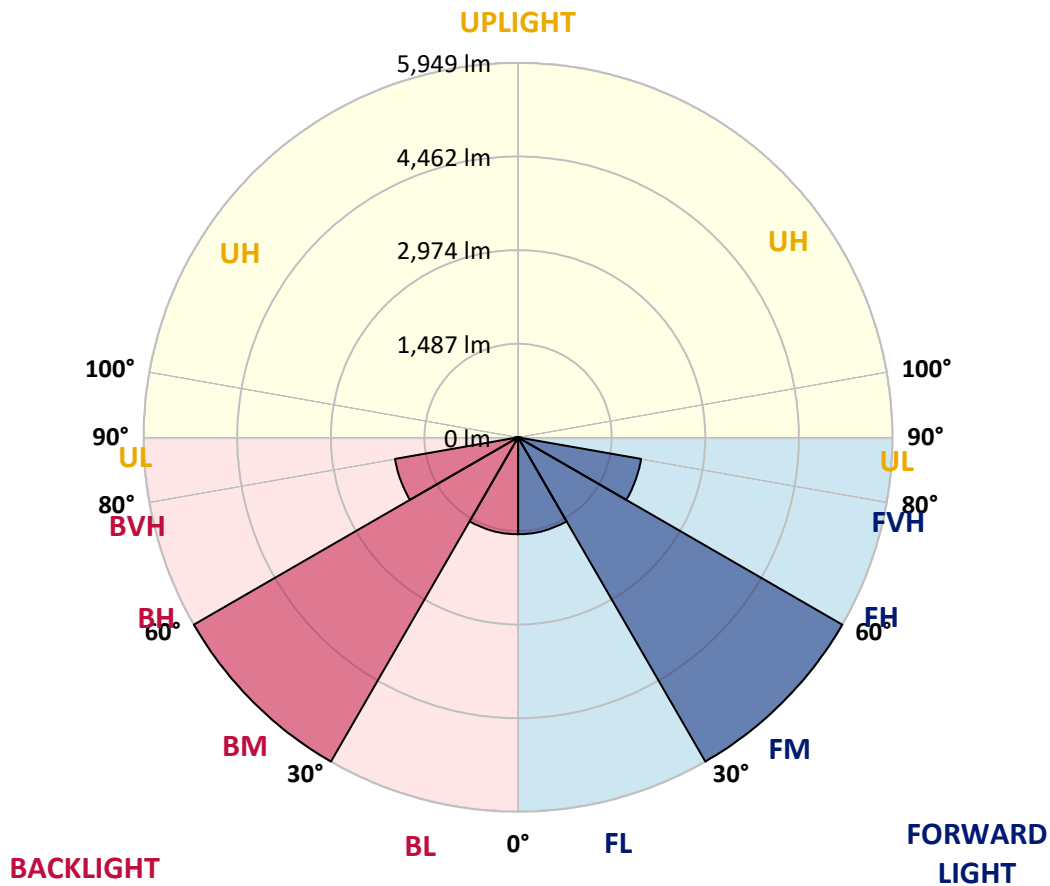
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1540.0	8.1			
FM (30°-60°)	5948.8	31.2			
FH (60°-80°)	1985.8	10.4			G2/5000
FVH (80°-90°)	50.4	0.3			G1/100
BL (0°-30°)	1540.0	8.1	B3/2500		
BM (30°-60°)	5948.8	31.2	B4/8500		
BH (60°-80°)	1985.8	10.4	B3/2500		G2/5000
BVH (80°-90°)	50.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3481.3	3481.3	3481.3	3481.3	3481.3	3481.3	3481.3	3481.3	3481.3	3481.3	3481.3
2.5°	3457.1	3460.3	3466.8	3471.6	3478.1	3484.6	3487.8	3481.3	3478.1	3465.2	3479.7
5°	3460.3	3463.6	3468.4	3468.4	3470.0	3474.9	3474.9	3466.8	3458.7	3444.2	3460.3
7.5°	3455.5	3458.7	3460.3	3458.7	3460.3	3461.9	3458.7	3449.0	3440.9	3428.0	3440.9
10°	3447.4	3450.6	3453.9	3450.6	3447.4	3452.2	3452.2	3445.8	3440.9	3428.0	3442.5
12.5°	3465.2	3470.0	3471.6	3463.6	3460.3	3461.9	3461.9	3455.5	3455.5	3444.2	3460.3
15°	3507.2	3510.4	3505.6	3495.9	3497.5	3502.4	3491.0	3474.9	3471.6	3466.8	3479.7
17.5°	3539.6	3542.8	3537.9	3531.5	3542.8	3554.1	3533.1	3502.4	3492.7	3489.4	3504.0
20°	3575.1	3580.0	3573.5	3581.6	3604.2	3617.2	3591.3	3549.3	3529.9	3525.0	3542.8
22.5°	3633.3	3639.8	3639.8	3657.6	3691.5	3712.6	3680.2	3623.6	3594.5	3586.4	3604.2
25°	3725.5	3730.4	3735.2	3770.8	3825.8	3854.9	3803.1	3725.5	3685.1	3672.1	3681.8
27.5°	3853.2	3861.3	3869.4	3921.2	3989.1	4031.1	3956.7	3859.7	3809.6	3783.7	3803.1
30°	4005.2	4016.6	4036.0	4094.2	4189.6	4236.5	4141.1	4023.0	3966.4	3938.9	3964.8
32.5°	4212.2	4213.8	4228.4	4293.1	4419.2	4472.5	4352.9	4221.9	4163.7	4131.4	4145.9
35°	4458.0	4459.6	4437.0	4503.3	4639.1	4698.9	4558.2	4425.7	4377.1	4367.4	4404.6
37.5°	4710.2	4695.7	4673.1	4702.2	4839.6	4878.4	4729.6	4616.5	4595.4	4613.2	4668.2
40°	4889.7	4865.5	4820.2	4841.2	4980.3	5025.6	4867.1	4760.4	4753.9	4797.6	4863.9
42.5°	5006.1	4980.3	4926.9	4926.9	5022.3	5041.7	4918.8	4862.2	4876.8	4926.9	4990.0
45°	5062.7	5048.2	5017.5	5001.3	5054.7	5062.7	4969.0	4946.3	4973.8	4998.1	5046.6
47.5°	5106.4	5106.4	5096.7	5080.5	5104.8	5109.6	5040.1	5033.6	5069.2	5069.2	5101.5
50°	5184.0	5192.1	5205.0	5201.8	5227.7	5243.8	5192.1	5182.4	5196.9	5150.1	5166.2
52.5°	5387.8	5408.8	5446.0	5475.1	5541.4	5591.5	5499.3	5421.7	5345.7	5242.2	5245.5
55°	5753.2	5762.9	5835.7	5921.4	6032.9	6134.8	5945.6	5704.7	5539.7	5418.5	5420.1
57.5°	6062.0	6076.6	6183.3	6362.8	6613.4	6771.9	6353.1	5950.5	5717.6	5568.9	5573.7
60°	5795.2	5775.8	5977.9	6285.2	6739.5	6941.7	6324.0	5774.2	5439.5	5255.2	5268.1
62.5°	4483.9	4446.7	4671.4	4993.2	5538.1	5740.3	5171.1	4643.9	4327.0	4183.1	4162.1
65°	2729.4	2695.5	2857.2	3054.5	3423.1	3550.9	3290.5	3010.8	2734.3	2647.0	2622.7
67.5°	1486.0	1481.1	1524.8	1621.8	1783.5	1843.3	1793.2	1660.6	1589.5	1528.0	1528.0
70°	1178.8	1169.1	1161.0	1162.6	1177.2	1185.2	1186.9	1180.4	1188.5	1190.1	1183.6
72.5°	976.7	973.4	957.2	958.9	952.4	949.2	960.5	966.9	979.9	981.5	981.5
75°	708.2	700.1	708.2	709.9	703.4	703.4	711.5	709.9	716.3	719.6	701.8
77.5°	402.6	402.6	413.9	426.9	436.6	436.6	444.7	444.7	452.8	451.1	447.9
80°	221.5	221.5	228.0	236.1	245.8	255.5	263.6	265.2	270.0	268.4	263.6
82.5°	126.1	127.7	131.0	135.8	145.5	153.6	161.7	163.3	168.2	168.2	163.3
85°	59.8	58.2	59.8	63.1	67.9	74.4	82.5	87.3	90.6	90.6	87.3
87.5°	11.3	12.9	11.3	12.9	14.6	19.4	22.6	25.9	30.7	32.3	29.1
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)