

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: P639835

Luminaire Tested: GWS-SA5C-760-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639835
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-SA5C-760-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20289.7 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

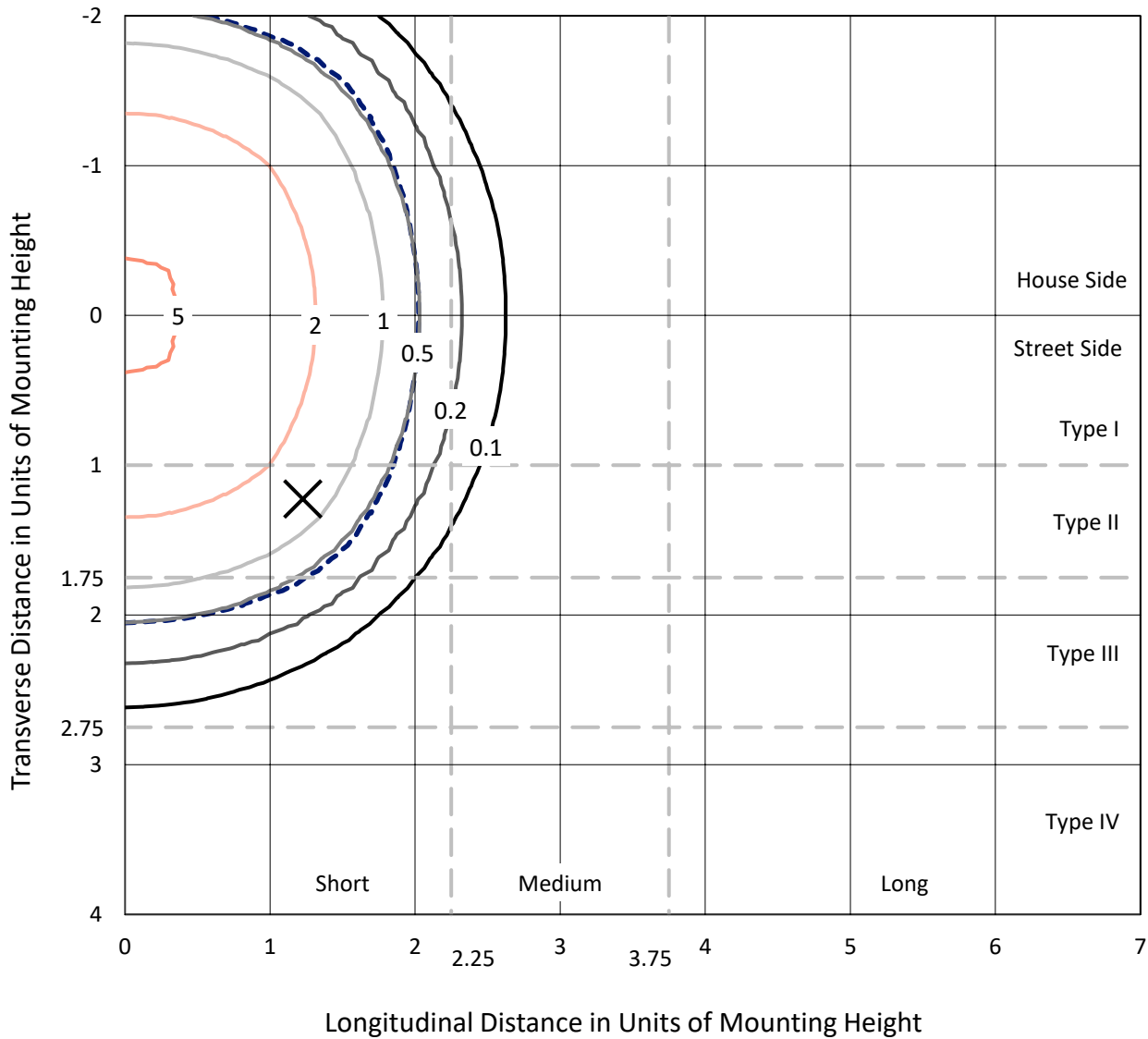
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

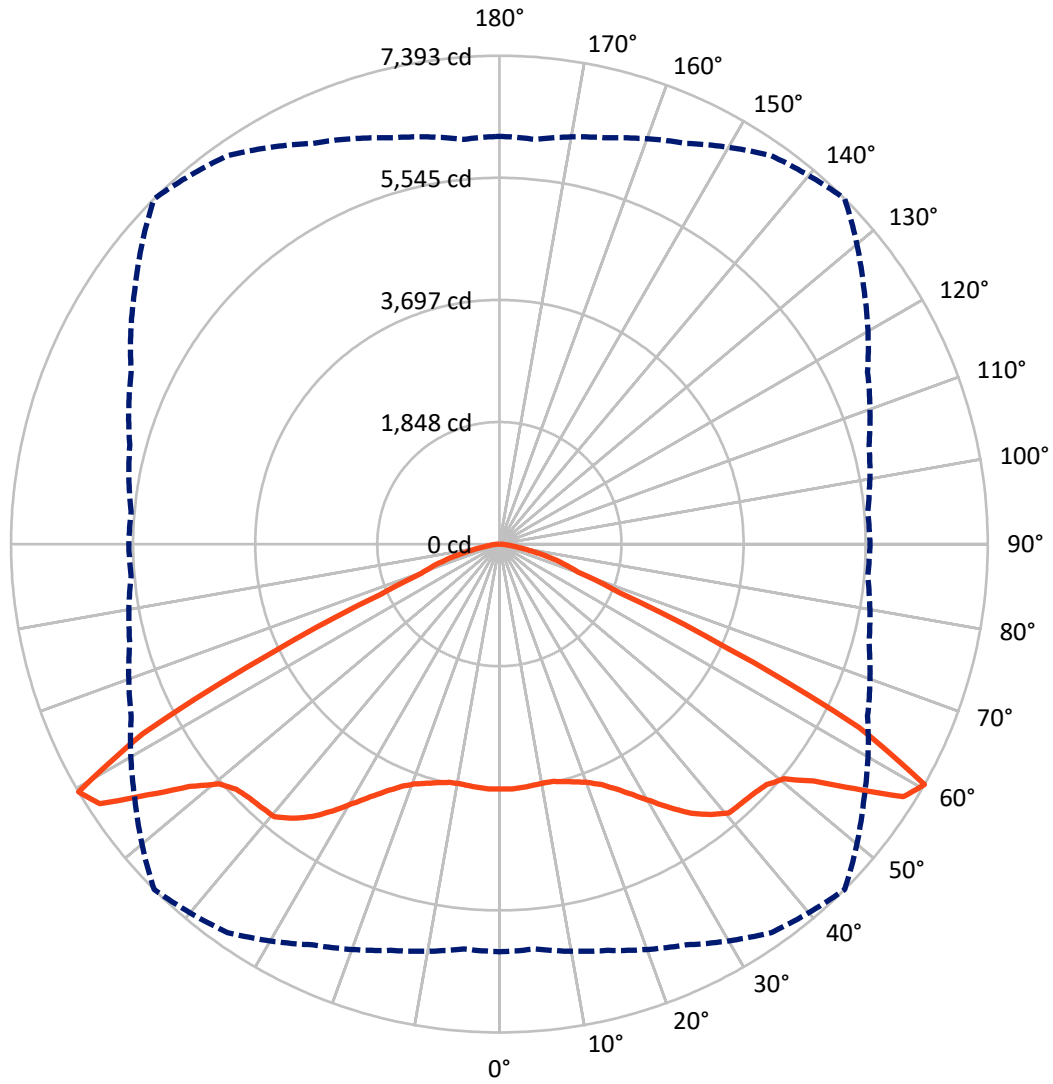
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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	10144.8	0.0	10144.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10144.8	0.0	10144.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	20289.7	0.0	20289.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.6	1.7
10°-20°	1057.7	5.2
20°-30°	1871.2	9.2
30°-40°	3012.7	14.8
40°-50°	4140.9	20.4
50°-60°	5518.2	27.2
60°-70°	3439.2	17.0
70°-80°	790.9	3.9
80°-90°	107.3	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°	20289.7	100.0
0°-180°	20289.7	100.0

Coefficient of Utilization



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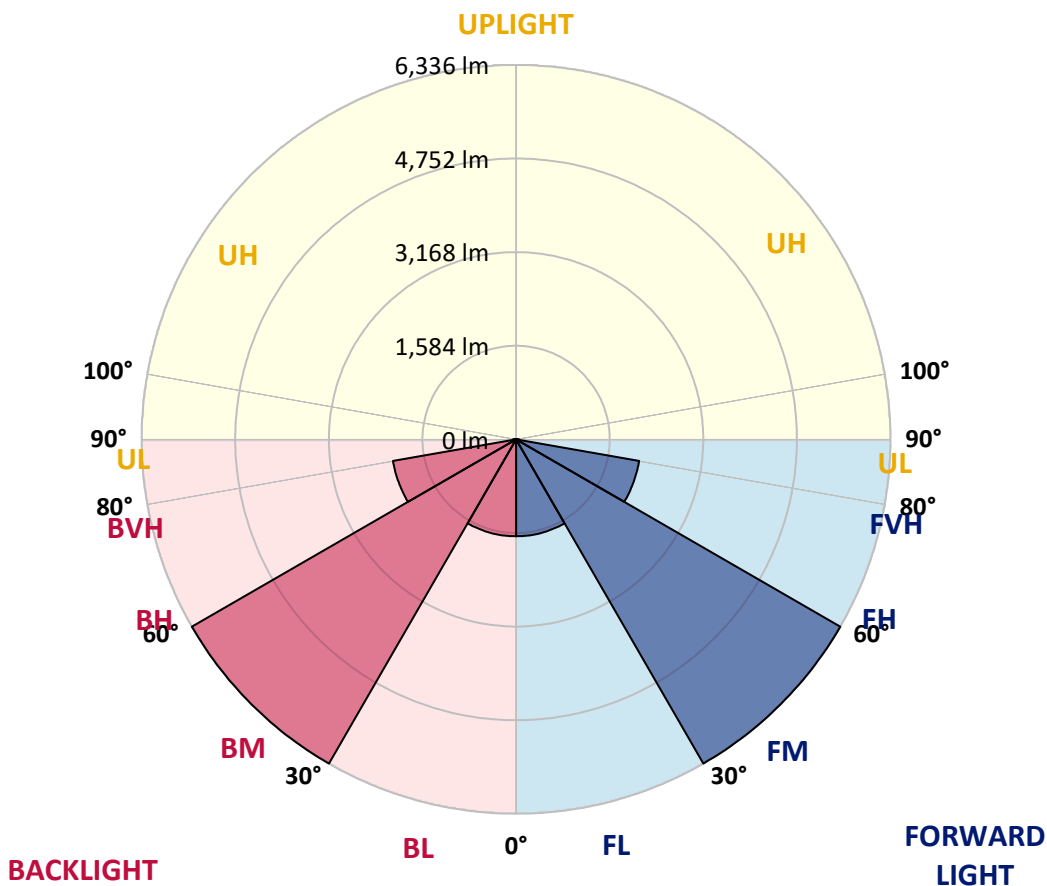
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1640.3	8.1			
FM (30°-60°)	6335.9	31.2			
FH (60°-80°)	2115.0	10.4			G2/5000
FVH (80°-90°)	53.6	0.3			G1/100
BL (0°-30°)	1640.3	8.1	B3/2500		
BM (30°-60°)	6335.9	31.2	B4/8500		
BH (60°-80°)	2115.0	10.4	B3/2500		G2/5000
BVH (80°-90°)	53.6	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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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3707.9	3707.9	3707.9	3707.9	3707.9	3707.9	3707.9	3707.9	3707.9	3707.9	3707.9
2.5°	3682.1	3685.5	3692.4	3697.6	3704.5	3711.4	3714.8	3707.9	3704.5	3690.7	3706.2
5°	3685.5	3689.0	3694.1	3694.1	3695.9	3701.0	3701.0	3692.4	3683.8	3668.3	3685.5
7.5°	3680.4	3683.8	3685.5	3683.8	3685.5	3687.2	3683.8	3673.5	3664.9	3651.1	3664.9
10°	3671.7	3675.2	3678.6	3675.2	3671.7	3676.9	3676.9	3670.0	3664.9	3651.1	3666.6
12.5°	3690.7	3695.9	3697.6	3689.0	3685.5	3687.2	3687.2	3680.4	3680.4	3668.3	3685.5
15°	3735.5	3738.9	3733.7	3723.4	3725.1	3730.3	3718.2	3701.0	3697.6	3692.4	3706.2
17.5°	3769.9	3773.4	3768.2	3761.3	3773.4	3785.4	3763.0	3730.3	3720.0	3716.5	3732.0
20°	3807.8	3813.0	3806.1	3814.7	3838.8	3852.6	3825.0	3780.2	3759.6	3754.4	3773.4
22.5°	3869.8	3876.7	3876.7	3895.6	3931.8	3954.2	3919.7	3859.5	3828.5	3819.9	3838.8
25°	3968.0	3973.1	3978.3	4016.2	4074.7	4105.7	4050.6	3968.0	3924.9	3911.1	3921.5
27.5°	4104.0	4112.6	4121.2	4176.4	4248.7	4293.5	4214.2	4110.9	4057.5	4030.0	4050.6
30°	4265.9	4278.0	4298.6	4360.6	4462.2	4512.2	4410.6	4284.9	4224.6	4195.3	4222.9
32.5°	4486.4	4488.1	4503.6	4572.5	4706.8	4763.6	4636.2	4496.7	4434.7	4400.2	4415.7
35°	4748.1	4749.8	4725.7	4796.3	4941.0	5004.7	4854.9	4713.7	4662.0	4651.7	4691.3
37.5°	5016.8	5001.3	4977.2	5008.2	5154.6	5195.9	5037.5	4916.9	4894.5	4913.5	4972.0
40°	5208.0	5182.1	5133.9	5156.3	5304.4	5352.6	5183.8	5070.2	5063.3	5109.8	5180.4
42.5°	5332.0	5304.4	5247.6	5247.6	5349.2	5369.8	5239.0	5178.7	5194.2	5247.6	5314.7
45°	5392.2	5376.7	5344.0	5326.8	5383.6	5392.2	5292.3	5268.2	5297.5	5323.3	5375.0
47.5°	5438.7	5438.7	5428.4	5411.2	5437.0	5442.2	5368.1	5361.2	5399.1	5399.1	5433.6
50°	5521.4	5530.0	5543.8	5540.3	5567.9	5585.1	5530.0	5519.7	5535.2	5485.2	5502.5
52.5°	5738.4	5760.8	5800.4	5831.4	5902.0	5955.4	5857.2	5774.6	5693.6	5583.4	5586.8
55°	6127.6	6137.9	6215.4	6306.7	6425.6	6534.1	6332.6	6075.9	5900.3	5771.1	5772.8
57.5°	6456.6	6472.1	6585.7	6776.9	7043.8	7212.6	6766.6	6337.7	6089.7	5931.3	5936.5
60°	6172.4	6151.7	6367.0	6694.2	7178.2	7393.4	6735.6	6150.0	5793.5	5597.2	5611.0
62.5°	4775.7	4736.1	4975.5	5318.2	5898.6	6113.8	5507.6	4946.2	4608.6	4455.4	4433.0
65°	2907.1	2870.9	3043.1	3253.3	3645.9	3782.0	3504.7	3206.8	2912.3	2819.3	2793.4
67.5°	1582.7	1577.5	1624.0	1727.4	1899.6	1963.3	1909.9	1768.7	1692.9	1627.5	1627.5
70°	1255.5	1245.2	1236.5	1238.3	1253.8	1262.4	1264.1	1257.2	1265.8	1267.5	1260.7
72.5°	1040.2	1036.8	1019.5	1021.3	1014.4	1010.9	1023.0	1029.9	1043.7	1045.4	1045.4
75°	754.3	745.7	754.3	756.0	749.2	749.2	757.8	756.0	762.9	766.4	747.4
77.5°	428.8	428.8	440.9	454.7	465.0	465.0	473.6	473.6	482.2	480.5	477.1
80°	235.9	235.9	242.8	251.4	261.8	272.1	280.7	282.4	287.6	285.9	280.7
82.5°	134.3	136.1	139.5	144.7	155.0	163.6	172.2	173.9	179.1	179.1	173.9
85°	63.7	62.0	63.7	67.2	72.3	79.2	87.8	93.0	96.4	96.4	93.0
87.5°	12.1	13.8	12.1	13.8	15.5	20.7	24.1	27.6	32.7	34.4	31.0
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)