

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: P639670

Luminaire Tested: GWS-SA5C-735-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639670
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19835.1 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

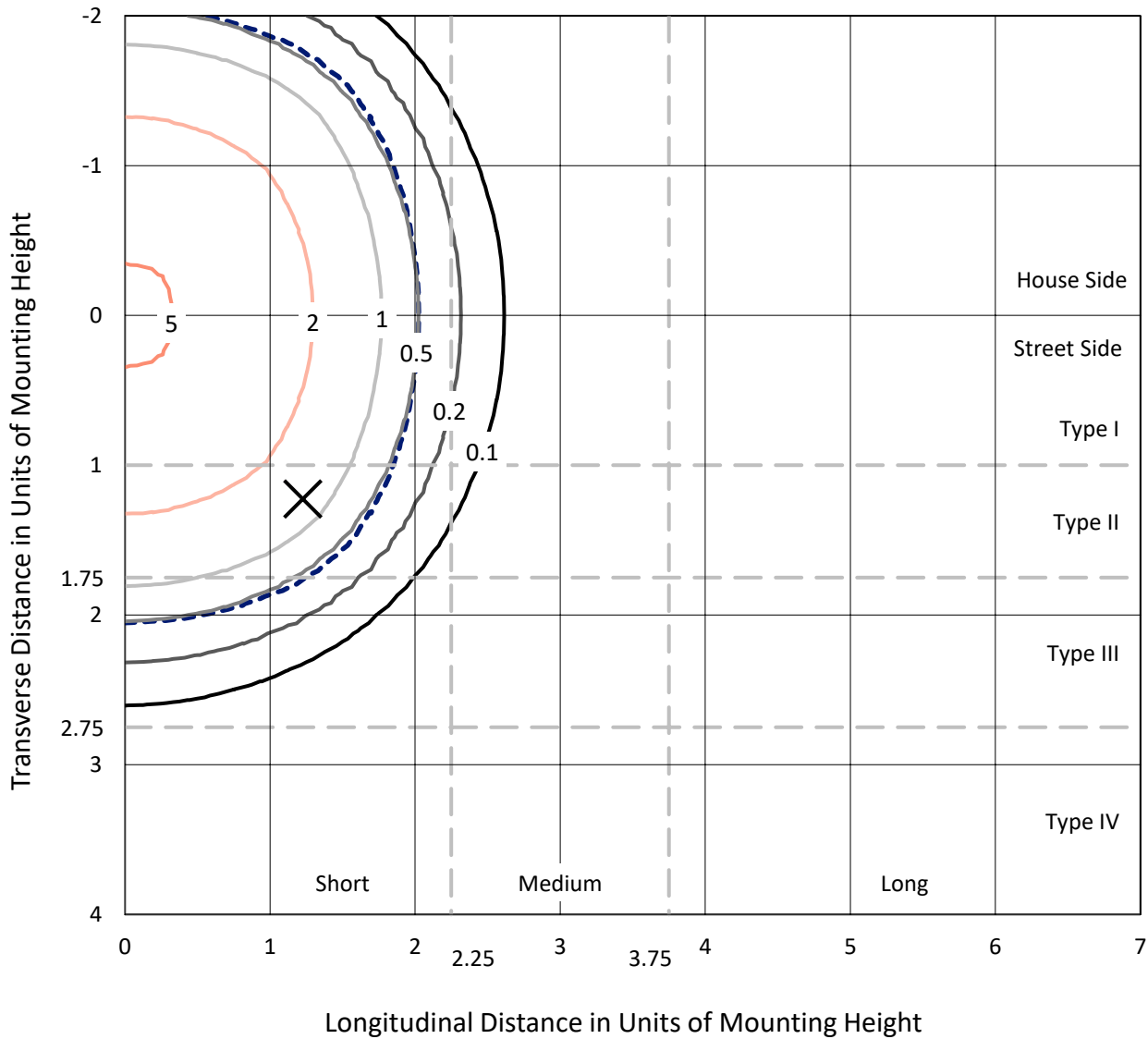
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

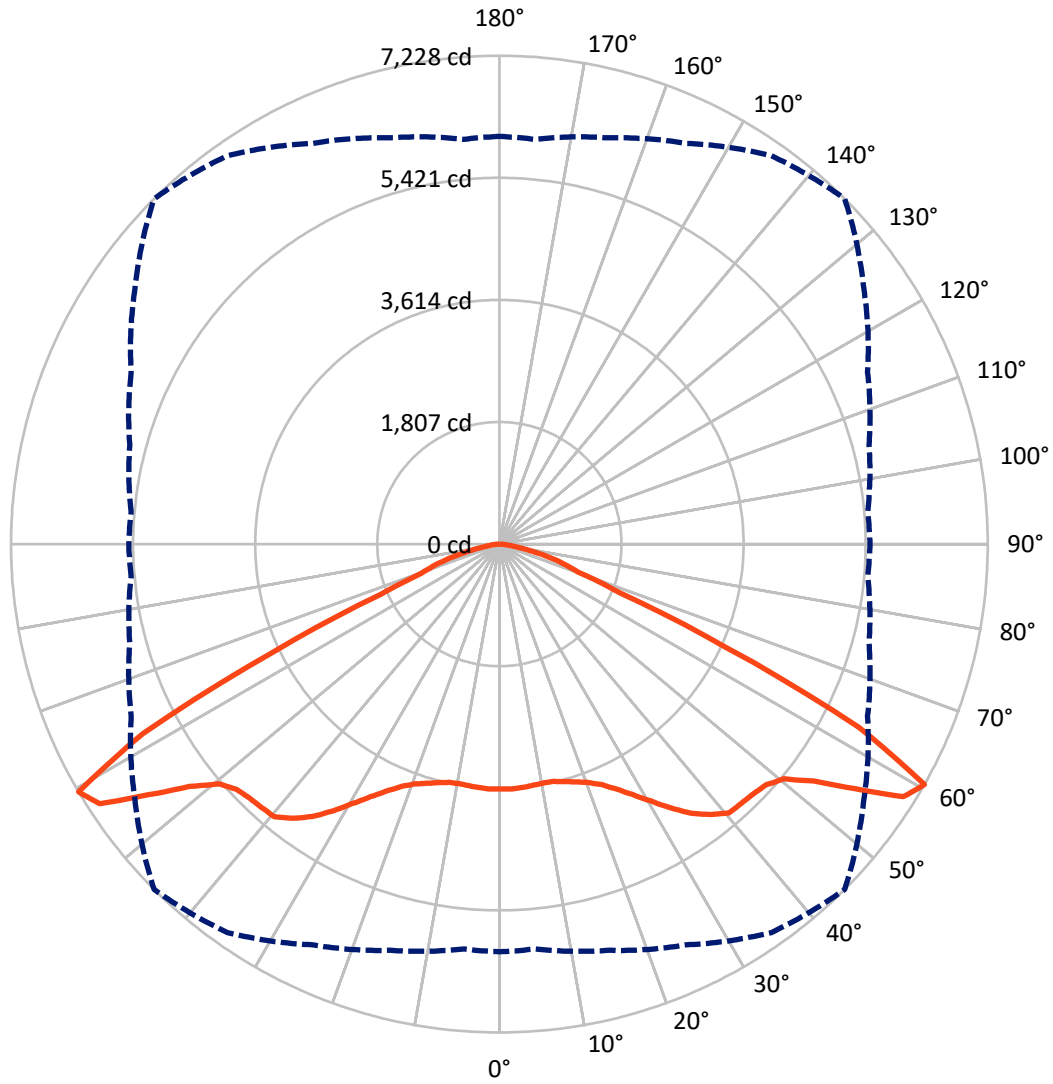
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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	9917.6	0.0	9917.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9917.6	0.0	9917.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	19835.1	0.0	19835.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.8	1.7
10°-20°	1034.0	5.2
20°-30°	1829.3	9.2
30°-40°	2945.2	14.8
40°-50°	4048.1	20.4
50°-60°	5394.5	27.2
60°-70°	3362.1	17.0
70°-80°	773.1	3.9
80°-90°	104.9	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°	19835.1	100.0
0°-180°	19835.1	100.0

Coefficient of Utilization



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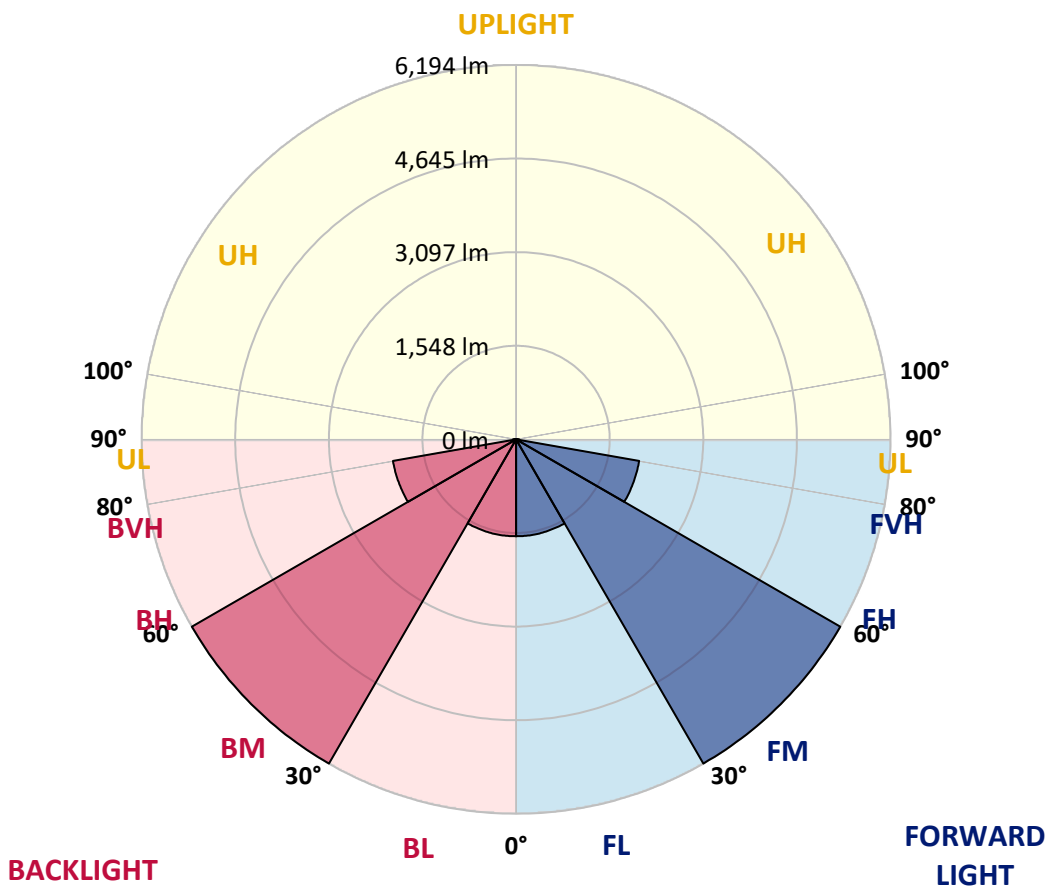
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1603.5	8.1			
FM (30°-60°)	6193.9	31.2			
FH (60°-80°)	2067.6	10.4			G2/5000
FVH (80°-90°)	52.4	0.3			G1/100
BL (0°-30°)	1603.5	8.1	B3/2500		
BM (30°-60°)	6193.9	31.2	B4/8500		
BH (60°-80°)	2067.6	10.4	B3/2500		G2/5000
BVH (80°-90°)	52.4	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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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3624.8	3624.8	3624.8	3624.8	3624.8	3624.8	3624.8	3624.8	3624.8	3624.8	3624.8
2.5°	3599.6	3602.9	3609.7	3614.7	3621.5	3628.2	3631.6	3624.8	3621.5	3608.0	3623.2
5°	3602.9	3606.3	3611.4	3611.4	3613.1	3618.1	3618.1	3609.7	3601.3	3586.1	3602.9
7.5°	3597.9	3601.3	3602.9	3601.3	3602.9	3604.6	3601.3	3591.2	3582.7	3569.3	3582.7
10°	3589.5	3592.8	3596.2	3592.8	3589.5	3594.5	3594.5	3587.8	3582.7	3569.3	3584.4
12.5°	3608.0	3613.1	3614.7	3606.3	3602.9	3604.6	3604.6	3597.9	3597.9	3586.1	3602.9
15°	3651.8	3655.1	3650.1	3640.0	3641.7	3646.7	3634.9	3618.1	3614.7	3609.7	3623.2
17.5°	3685.4	3688.8	3683.8	3677.0	3688.8	3700.6	3678.7	3646.7	3636.6	3633.3	3648.4
20°	3722.5	3727.5	3720.8	3729.2	3752.8	3766.3	3739.3	3695.5	3675.3	3670.3	3688.8
22.5°	3783.1	3789.8	3789.8	3808.4	3843.7	3865.6	3831.9	3773.0	3742.7	3734.3	3752.8
25°	3879.1	3884.1	3889.2	3926.2	3983.4	4013.8	3959.9	3879.1	3837.0	3823.5	3833.6
27.5°	4012.1	4020.5	4028.9	4082.8	4153.5	4197.3	4119.8	4018.8	3966.6	3939.7	3959.9
30°	4170.3	4182.1	4202.3	4262.9	4362.3	4411.1	4311.8	4188.8	4129.9	4101.3	4128.2
32.5°	4385.8	4387.5	4402.7	4470.0	4601.3	4656.9	4532.3	4395.9	4335.3	4301.7	4316.8
35°	4641.7	4643.4	4619.9	4688.9	4830.3	4892.6	4746.1	4608.1	4557.6	4547.5	4586.2
37.5°	4904.4	4889.2	4865.7	4896.0	5039.1	5079.5	4924.6	4806.7	4784.9	4803.4	4860.6
40°	5091.3	5066.0	5018.9	5040.8	5185.6	5232.7	5067.7	4956.6	4949.8	4995.3	5064.3
42.5°	5212.5	5185.6	5130.0	5130.0	5229.3	5249.5	5121.6	5062.6	5077.8	5130.0	5195.7
45°	5271.4	5256.3	5224.3	5207.4	5263.0	5271.4	5173.8	5150.2	5178.8	5204.1	5254.6
47.5°	5316.9	5316.9	5306.8	5289.9	5315.2	5320.2	5247.8	5241.1	5278.2	5278.2	5311.8
50°	5397.7	5406.1	5419.6	5416.2	5443.1	5460.0	5406.1	5396.0	5411.2	5362.3	5379.2
52.5°	5609.8	5631.7	5670.4	5700.7	5769.8	5822.0	5726.0	5645.2	5566.1	5458.3	5461.7
55°	5990.3	6000.4	6076.2	6165.4	6281.6	6387.7	6190.7	5939.8	5768.1	5641.8	5643.5
57.5°	6311.9	6327.0	6438.2	6625.0	6886.0	7051.0	6614.9	6195.7	5953.3	5798.4	5803.4
60°	6034.1	6013.9	6224.3	6544.2	7017.3	7227.8	6584.6	6012.2	5663.7	5471.8	5485.2
62.5°	4668.7	4630.0	4864.0	5199.0	5766.4	5976.9	5384.2	4835.4	4505.4	4355.5	4333.6
65°	2842.0	2806.6	2975.0	3180.4	3564.2	3697.2	3426.2	3134.9	2847.0	2756.1	2730.8
67.5°	1547.2	1542.2	1587.7	1688.7	1857.0	1919.3	1867.1	1729.1	1655.0	1591.0	1591.0
70°	1227.4	1217.3	1208.8	1210.5	1225.7	1234.1	1235.8	1229.0	1237.5	1239.1	1232.4
72.5°	1016.9	1013.5	996.7	998.4	991.7	988.3	1000.1	1006.8	1020.3	1022.0	1022.0
75°	737.4	729.0	737.4	739.1	732.4	732.4	740.8	739.1	745.8	749.2	730.7
77.5°	419.2	419.2	431.0	444.5	454.6	454.6	463.0	463.0	471.4	469.7	466.4
80°	230.7	230.7	237.4	245.8	255.9	266.0	274.4	276.1	281.2	279.5	274.4
82.5°	131.3	133.0	136.4	141.4	151.5	159.9	168.4	170.0	175.1	175.1	170.0
85°	62.3	60.6	62.3	65.7	70.7	77.4	85.9	90.9	94.3	94.3	90.9
87.5°	11.8	13.5	11.8	13.5	15.2	20.2	23.6	26.9	32.0	33.7	30.3
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)