

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: P639667

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639667
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-SA5C-735-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW 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: 21291.5 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

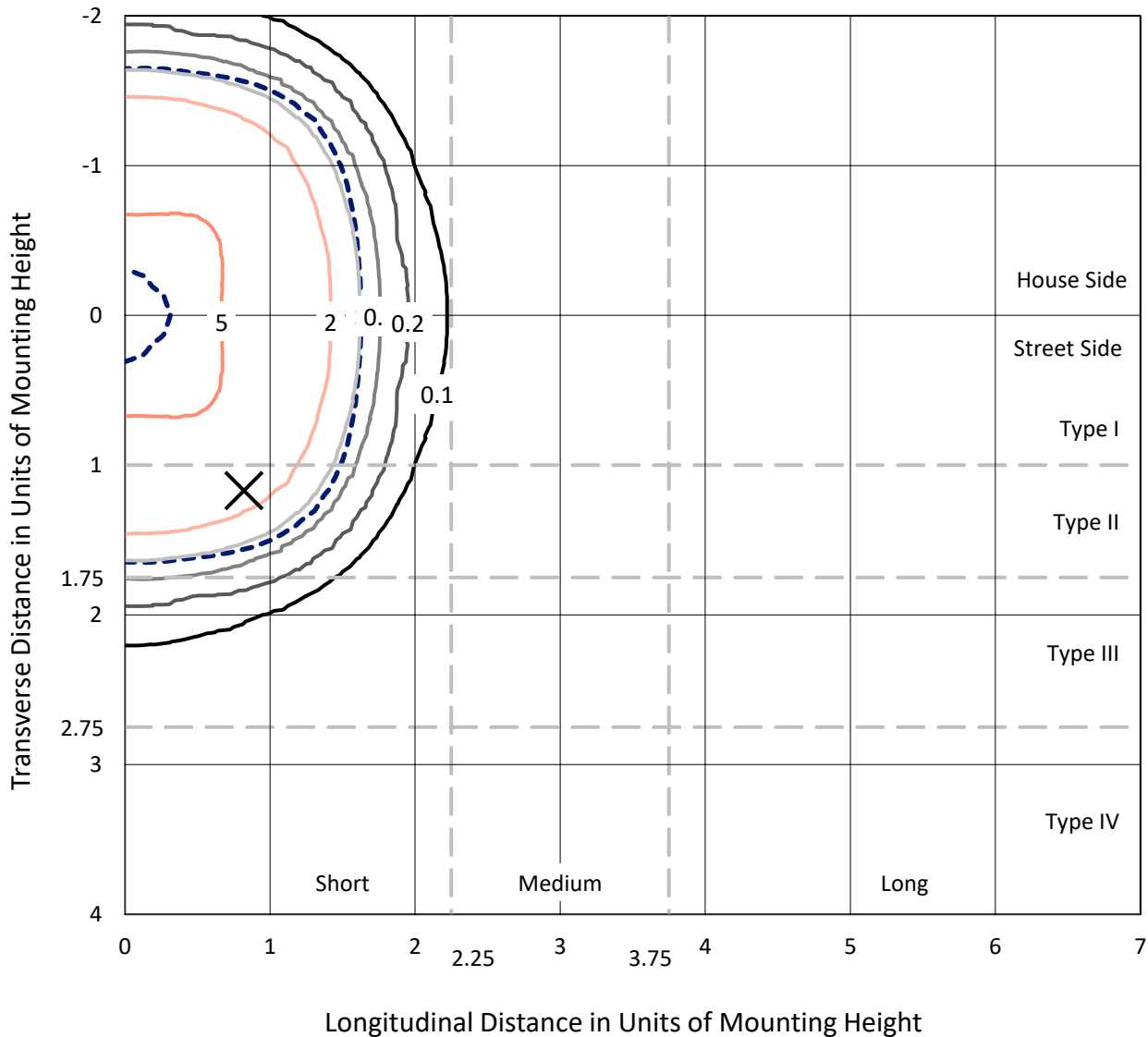
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

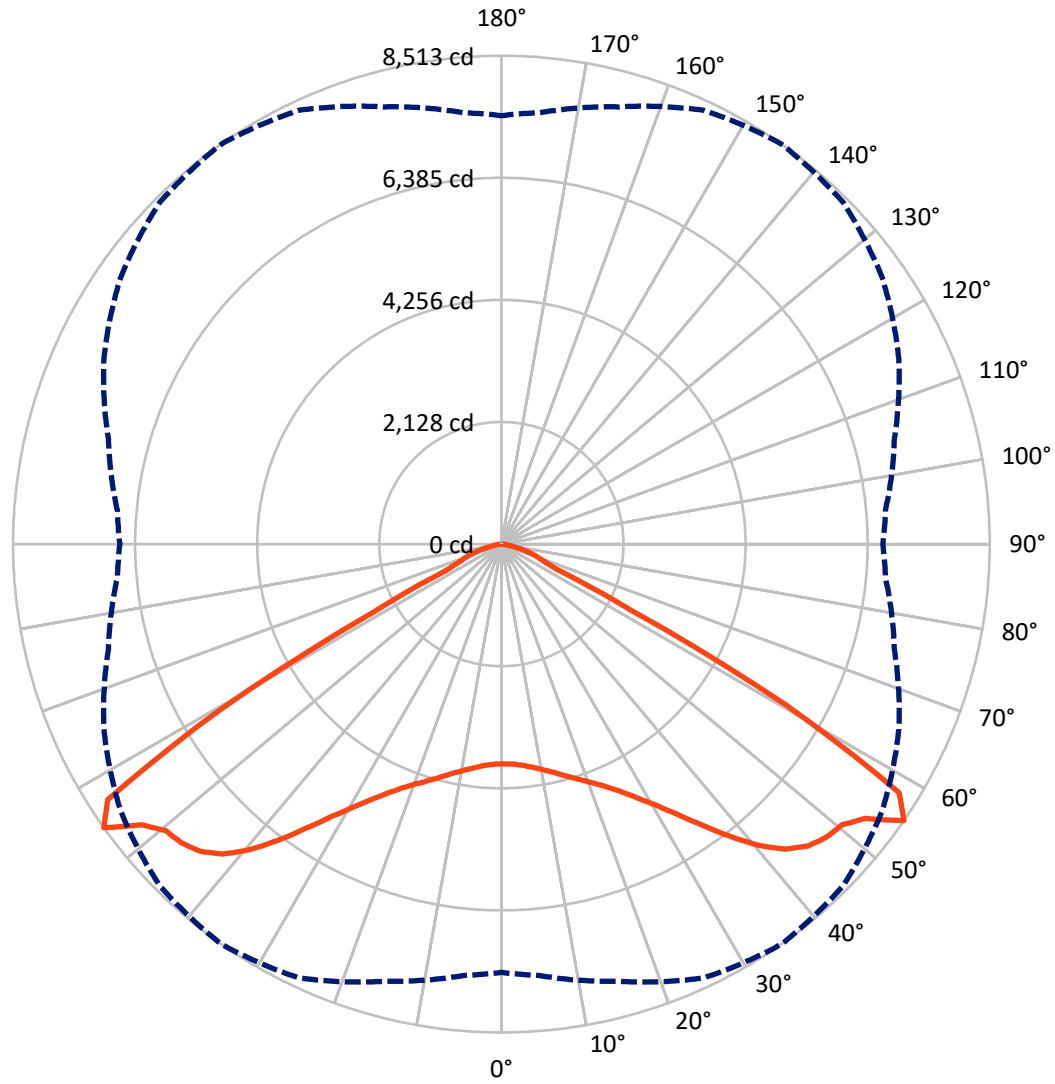
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10645.7	0.0	10645.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10645.7	0.0	10645.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	21291.5	0.0	21291.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.6	1.8
10°-20°	1189.5	5.6
20°-30°	2201.5	10.3
30°-40°	3682.7	17.3
40°-50°	5611.8	26.4
50°-60°	6286.4	29.5
60°-70°	1487.4	7.0
70°-80°	401.0	1.9
80°-90°	57.7	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°	21291.5	100.0
0°-180°	21291.5	100.0

Coefficient of Utilization



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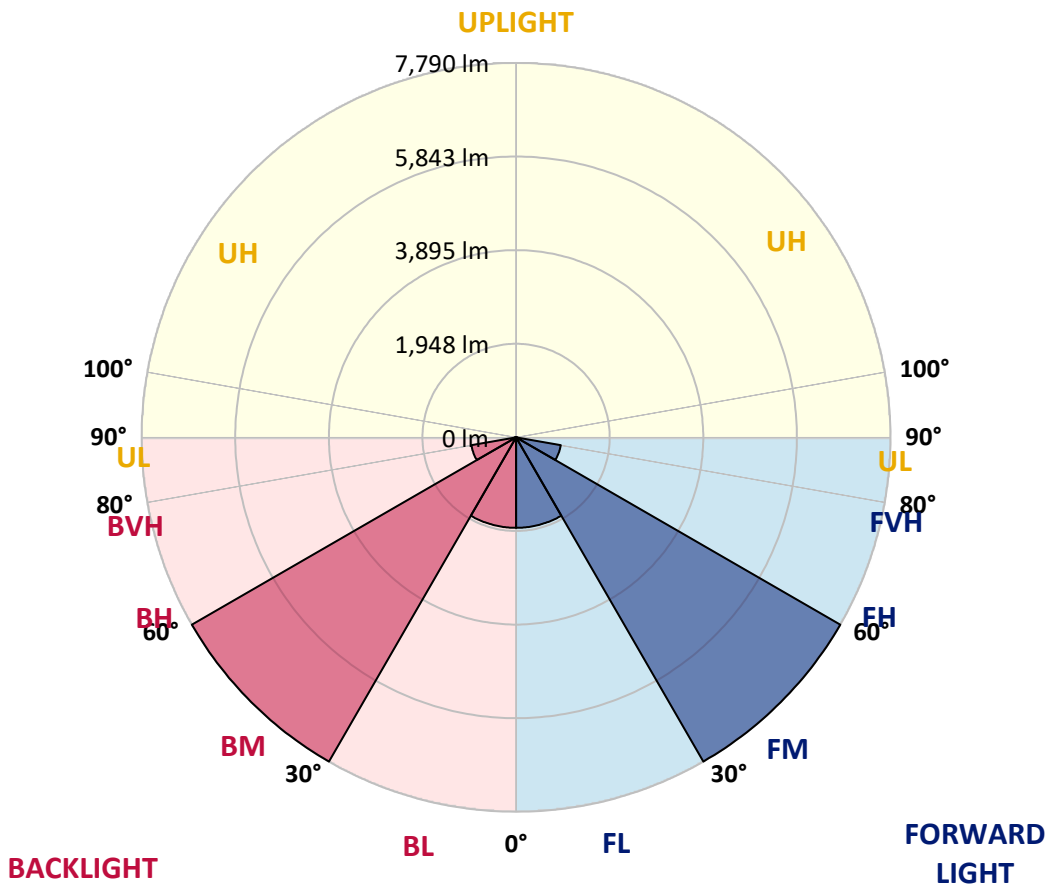
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1882.3	8.8			
FM (30°-60°)	7790.4	36.6			
FH (60°-80°)	944.2	4.4			G1/1800
FVH (80°-90°)	28.9	0.1			G1/100
BL (0°-30°)	1882.3	8.8	B3/2500		
BM (30°-60°)	7790.4	36.6	B4/8500		
BH (60°-80°)	944.2	4.4	B2/1000		G1/1800
BVH (80°-90°)	28.9	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3830.4	3830.4	3830.4	3830.4	3830.4	3830.4	3830.4	3830.4	3830.4	3830.4	3830.4
2.5°	3822.0	3822.0	3828.7	3837.1	3838.8	3855.7	3852.3	3845.6	3842.2	3835.4	3850.6
5°	3864.1	3865.8	3870.8	3875.9	3872.5	3886.0	3880.9	3872.5	3867.4	3859.0	3874.2
7.5°	3919.6	3919.6	3924.7	3931.4	3928.1	3948.3	3938.2	3926.4	3917.9	3907.8	3921.3
10°	3970.1	3973.5	3978.6	3992.0	3998.8	4020.7	4013.9	3997.1	3983.6	3971.8	3987.0
12.5°	4045.9	4049.3	4054.3	4072.8	4084.6	4106.5	4096.4	4072.8	4052.6	4035.8	4052.6
15°	4143.6	4140.2	4153.7	4177.2	4192.4	4212.6	4200.8	4160.4	4133.5	4111.6	4128.4
17.5°	4242.9	4241.2	4254.7	4285.0	4306.9	4333.8	4313.6	4266.5	4237.9	4210.9	4227.7
20°	4350.7	4355.7	4369.2	4397.8	4429.8	4465.1	4448.3	4397.8	4365.8	4335.5	4349.0
22.5°	4483.7	4485.4	4500.5	4537.5	4579.6	4613.3	4603.2	4540.9	4500.5	4468.5	4485.4
25°	4643.6	4641.9	4662.1	4705.9	4764.8	4798.5	4776.6	4707.6	4663.8	4626.8	4640.3
27.5°	4827.1	4825.5	4855.8	4913.0	4997.2	5044.3	4998.9	4913.0	4852.4	4800.2	4812.0
30°	5057.8	5052.8	5086.4	5163.9	5273.3	5352.5	5285.1	5165.6	5086.4	5030.9	5042.7
32.5°	5313.7	5320.5	5362.6	5466.9	5605.0	5707.7	5606.7	5473.7	5367.6	5286.8	5300.3
35°	5594.9	5594.9	5680.8	5810.4	6007.4	6143.8	5987.2	5795.3	5653.8	5542.7	5546.1
37.5°	5908.1	5911.4	6024.2	6202.7	6460.3	6620.3	6408.1	6170.7	5999.0	5879.5	5872.7
40°	6290.3	6300.4	6416.5	6615.2	6904.8	7051.3	6824.0	6591.7	6416.5	6275.1	6261.6
42.5°	6721.3	6724.7	6847.6	7026.0	7270.2	7357.7	7179.3	6989.0	6845.9	6717.9	6704.5
45°	7132.1	7123.7	7229.8	7362.8	7504.2	7512.6	7413.3	7335.8	7211.3	7101.8	7081.6
47.5°	7452.0	7445.3	7541.3	7613.7	7630.5	7548.0	7580.0	7591.8	7447.0	7298.8	7260.1
50°	7647.3	7660.8	7751.7	7792.1	7692.8	7558.1	7679.3	7649.0	7441.9	7248.3	7186.0
52.5°	7765.2	7785.4	7943.7	8046.4	7943.7	7815.7	7832.5	7654.1	7356.0	7100.1	7019.3
55°	7467.2	7548.0	7889.8	8344.4	8512.7	8423.5	8103.6	7644.0	7091.7	6719.6	6650.6
57.5°	5534.3	5662.3	6169.0	7154.0	8177.7	8502.6	7568.2	6408.1	5571.3	5093.2	5052.8
60°	2825.2	2968.3	3374.1	4386.0	5702.7	6160.6	5271.6	4103.2	3261.3	2874.1	2830.3
62.5°	1153.3	1176.9	1309.9	1700.5	2520.5	2907.7	2554.2	1793.1	1347.0	1240.9	1242.6
65°	907.5	912.6	905.8	929.4	1055.7	1171.8	1082.6	951.3	927.7	939.5	931.1
67.5°	791.3	793.0	788.0	788.0	793.0	788.0	798.1	803.1	806.5	820.0	811.5
70°	661.7	663.4	663.4	666.7	665.1	656.6	671.8	678.5	680.2	688.6	683.6
72.5°	511.8	516.9	520.3	521.9	520.3	515.2	523.6	535.4	533.7	542.1	533.7
75°	346.8	353.6	356.9	363.7	362.0	362.0	372.1	377.1	372.1	378.8	372.1
77.5°	197.0	202.0	212.1	218.9	225.6	230.7	237.4	240.8	239.1	242.5	239.1
80°	114.5	116.2	124.6	128.0	136.4	144.8	151.5	154.9	156.6	158.3	156.6
82.5°	65.7	67.3	70.7	74.1	80.8	87.6	94.3	99.3	99.3	101.0	99.3
85°	32.0	32.0	33.7	35.4	38.7	43.8	48.8	53.9	55.6	55.6	55.6
87.5°	5.1	5.1	6.7	6.7	8.4	10.1	13.5	16.8	18.5	18.5	18.5
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)