

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: P641980

Luminaire Tested: GWS-SA6C-722-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641980
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-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17664 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

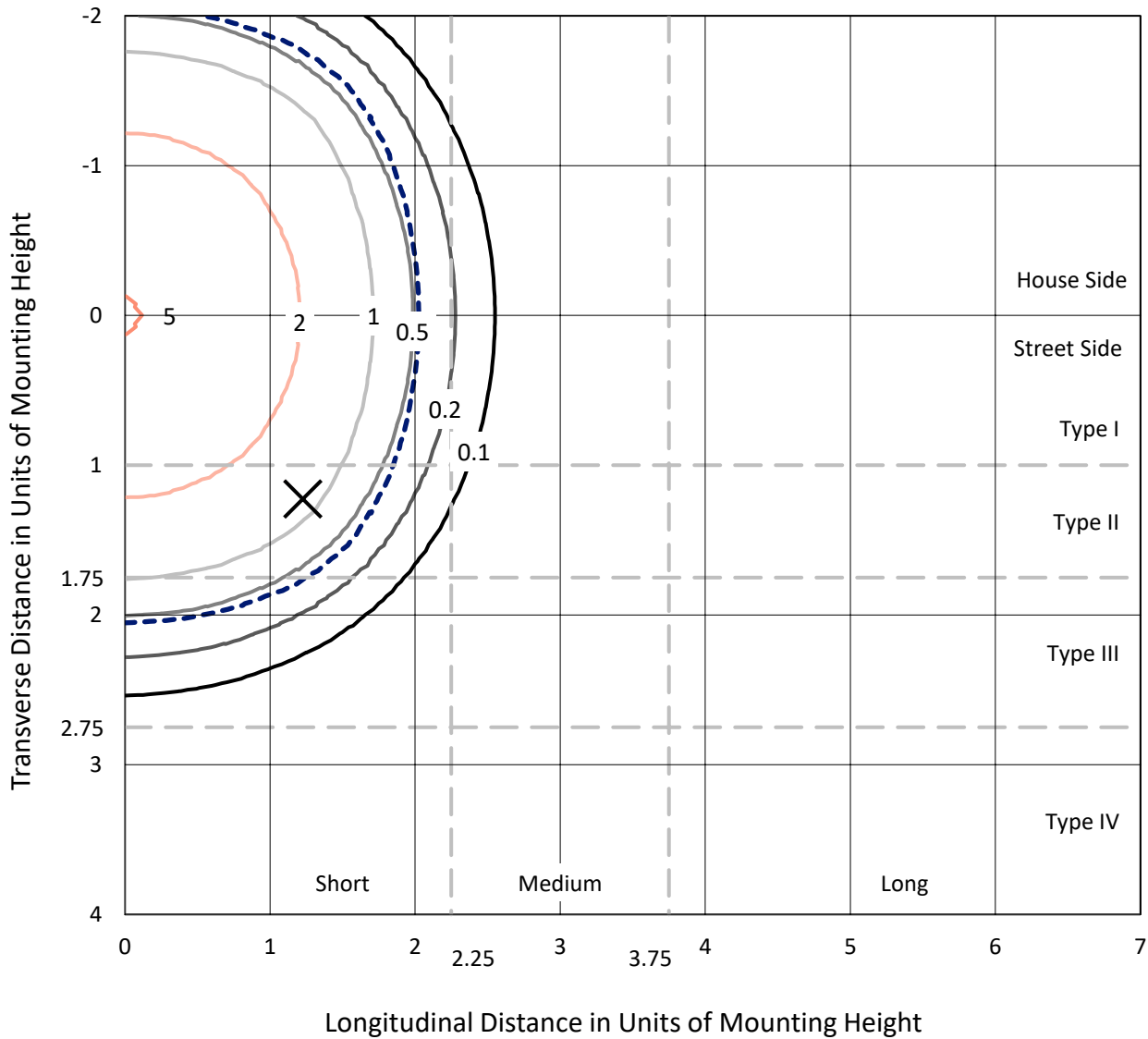
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

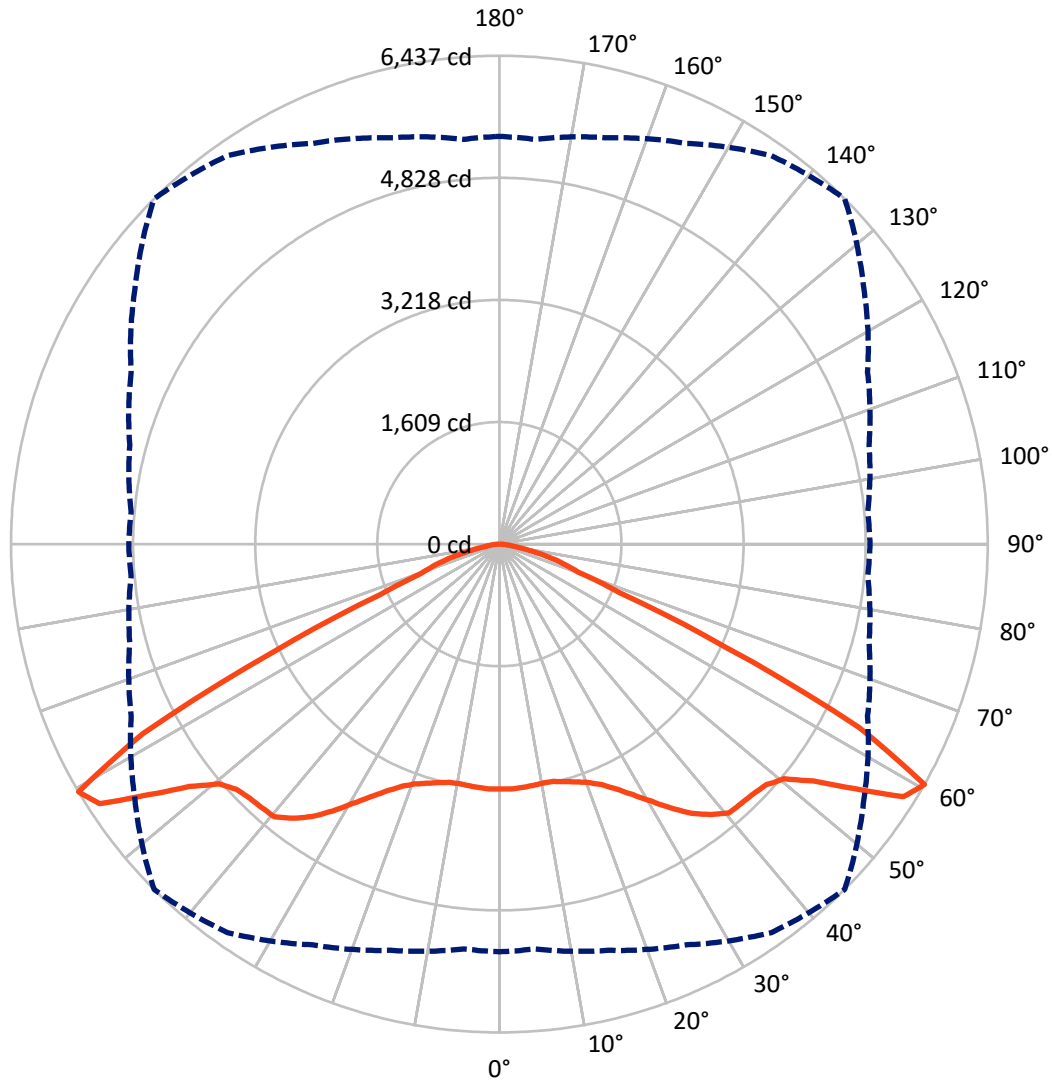
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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	8832.0	0.0	8832.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8832.0	0.0	8832.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17664.0	0.0	17664.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.1	1.7
10°-20°	920.8	5.2
20°-30°	1629.1	9.2
30°-40°	2622.8	14.8
40°-50°	3605.0	20.4
50°-60°	4804.1	27.2
60°-70°	2994.1	17.0
70°-80°	688.5	3.9
80°-90°	93.4	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°	17664.0	100.0
0°-180°	17664.0	100.0

Coefficient of Utilization



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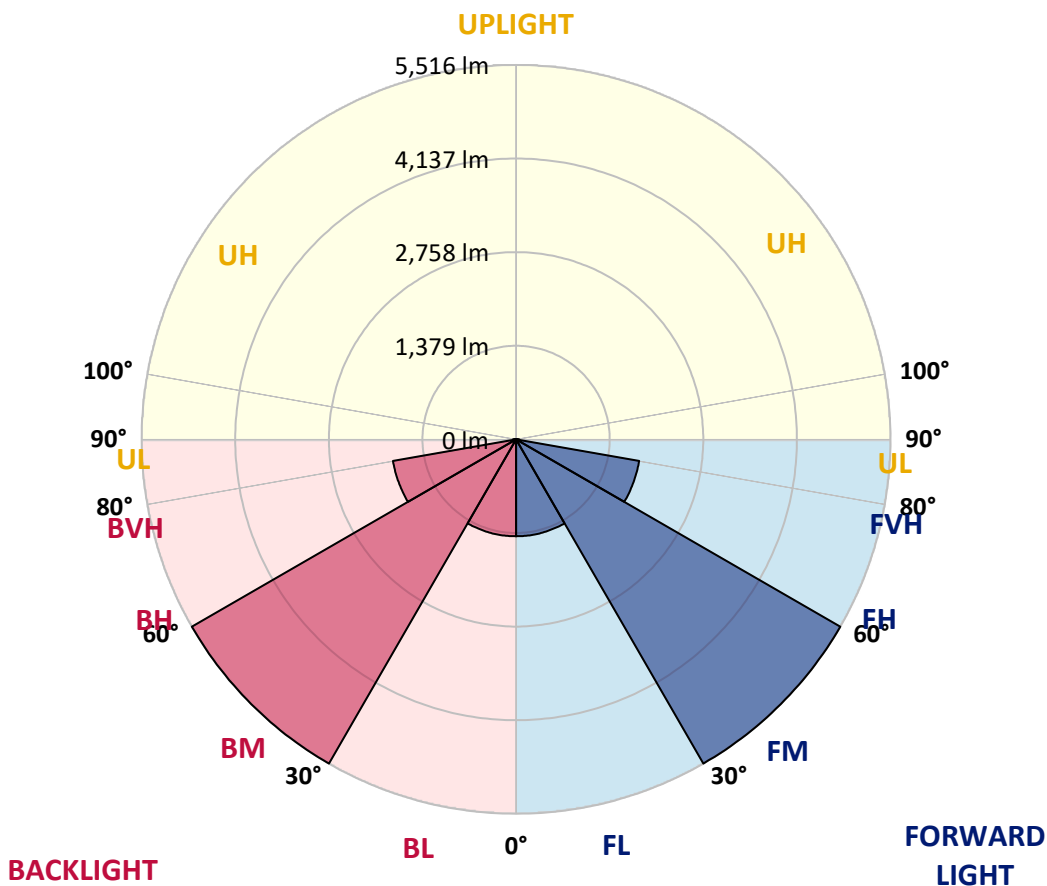
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1428.0	8.1			
FM (30°-60°)	5516.0	31.2			
FH (60°-80°)	1841.3	10.4			G2/5000
FVH (80°-90°)	46.7	0.3			G1/100
BL (0°-30°)	1428.0	8.1	B3/2500		
BM (30°-60°)	5516.0	31.2	B4/8500		
BH (60°-80°)	1841.3	10.4	B3/2500		G2/5000
BVH (80°-90°)	46.7	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°	3228.1	3228.1	3228.1	3228.1	3228.1	3228.1	3228.1	3228.1	3228.1	3228.1	3228.1
2.5°	3205.6	3208.6	3214.6	3219.1	3225.1	3231.1	3234.1	3228.1	3225.1	3213.1	3226.6
5°	3208.6	3211.6	3216.1	3216.1	3217.6	3222.1	3222.1	3214.6	3207.1	3193.6	3208.6
7.5°	3204.1	3207.1	3208.6	3207.1	3208.6	3210.1	3207.1	3198.1	3190.6	3178.6	3190.6
10°	3196.6	3199.6	3202.6	3199.6	3196.6	3201.1	3201.1	3195.1	3190.6	3178.6	3192.1
12.5°	3213.1	3217.6	3219.1	3211.6	3208.6	3210.1	3210.1	3204.1	3204.1	3193.6	3208.6
15°	3252.1	3255.1	3250.6	3241.6	3243.1	3247.6	3237.1	3222.1	3219.1	3214.6	3226.6
17.5°	3282.0	3285.0	3280.5	3274.6	3285.0	3295.5	3276.0	3247.6	3238.6	3235.6	3249.1
20°	3315.0	3319.5	3313.5	3321.0	3342.0	3354.0	3330.0	3291.0	3273.1	3268.6	3285.0
22.5°	3369.0	3375.0	3375.0	3391.5	3423.0	3442.5	3412.5	3360.0	3333.0	3325.5	3342.0
25°	3454.5	3459.0	3463.5	3496.5	3547.4	3574.4	3526.4	3454.5	3417.0	3405.0	3414.0
27.5°	3572.9	3580.4	3587.9	3635.9	3698.9	3737.8	3668.9	3578.9	3532.4	3508.4	3526.4
30°	3713.9	3724.4	3742.3	3796.3	3884.8	3928.3	3839.8	3730.3	3677.9	3652.4	3676.4
32.5°	3905.8	3907.3	3920.8	3980.7	4097.7	4147.2	4036.2	3914.8	3860.8	3830.8	3844.3
35°	4133.7	4135.2	4114.2	4175.7	4301.6	4357.1	4226.6	4103.7	4058.7	4049.7	4084.2
37.5°	4367.6	4354.1	4333.1	4360.1	4487.5	4523.5	4385.6	4280.6	4261.1	4277.6	4328.6
40°	4534.0	4511.5	4469.5	4489.0	4618.0	4659.9	4513.0	4414.0	4408.0	4448.5	4510.0
42.5°	4641.9	4618.0	4568.5	4568.5	4656.9	4674.9	4561.0	4508.5	4522.0	4568.5	4627.0
45°	4694.4	4680.9	4652.4	4637.4	4686.9	4694.4	4607.5	4586.5	4612.0	4634.4	4679.4
47.5°	4734.9	4734.9	4725.9	4710.9	4733.4	4737.9	4673.4	4667.4	4700.4	4700.4	4730.4
50°	4806.9	4814.4	4826.4	4823.4	4847.4	4862.3	4814.4	4805.4	4818.9	4775.4	4790.4
52.5°	4995.8	5015.3	5049.8	5076.8	5138.2	5184.7	5099.2	5027.3	4956.8	4860.8	4863.8
55°	5334.6	5343.6	5411.1	5490.6	5594.0	5688.5	5513.1	5289.7	5136.7	5024.3	5025.8
57.5°	5621.0	5634.5	5733.5	5899.9	6132.3	6279.2	5890.9	5517.6	5301.7	5163.7	5168.2
60°	5373.6	5355.6	5543.0	5827.9	6249.2	6436.7	5863.9	5354.1	5043.8	4872.8	4884.8
62.5°	4157.7	4123.2	4331.6	4630.0	5135.2	5322.6	4794.9	4306.1	4012.2	3878.8	3859.3
65°	2530.9	2499.4	2649.3	2832.2	3174.1	3292.5	3051.1	2791.8	2535.4	2454.4	2431.9
67.5°	1377.9	1373.4	1413.9	1503.8	1653.8	1709.2	1662.8	1539.8	1473.8	1416.9	1416.9
70°	1093.0	1084.0	1076.5	1078.0	1091.5	1099.0	1100.5	1094.5	1102.0	1103.5	1097.5
72.5°	905.6	902.6	887.6	889.1	883.1	880.1	890.6	896.6	908.6	910.1	910.1
75°	656.7	649.2	656.7	658.2	652.2	652.2	659.7	658.2	664.2	667.2	650.7
77.5°	373.3	373.3	383.8	395.8	404.8	404.8	412.3	412.3	419.8	418.3	415.3
80°	205.4	205.4	211.4	218.9	227.9	236.9	244.4	245.9	250.4	248.9	244.4
82.5°	116.9	118.4	121.4	125.9	134.9	142.4	149.9	151.4	155.9	155.9	151.4
85°	55.5	54.0	55.5	58.5	63.0	69.0	76.5	81.0	84.0	84.0	81.0
87.5°	10.5	12.0	10.5	12.0	13.5	18.0	21.0	24.0	28.5	30.0	27.0
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)