

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: P642475

Luminaire Tested: GWS-SA6D-722-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642475
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-SA6D-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: 22284.3 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

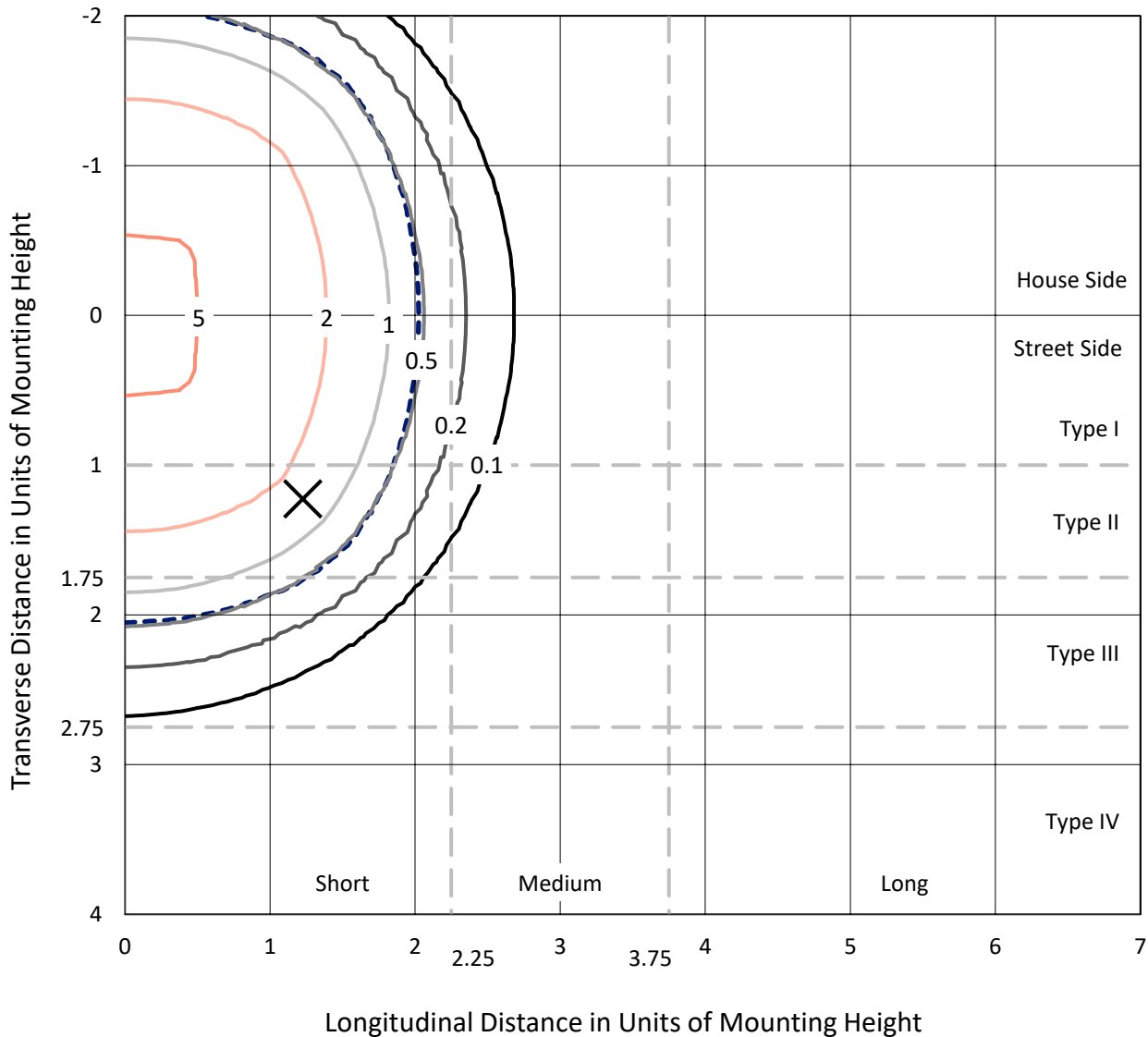
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

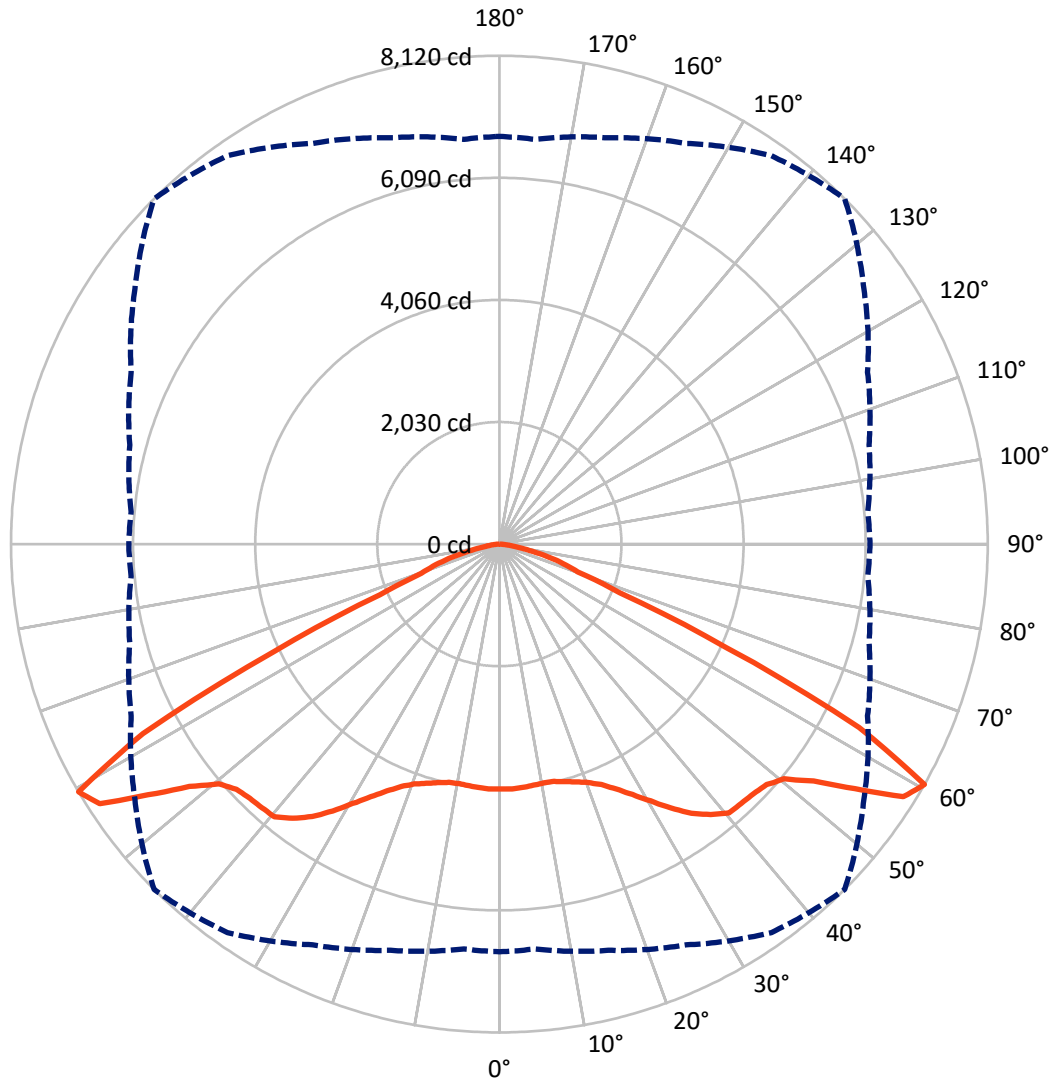
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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	11142.1	0.0	11142.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11142.1	0.0	11142.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	22284.3	0.0	22284.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	386.2	1.7
10°-20°	1161.7	5.2
20°-30°	2055.2	9.2
30°-40°	3308.9	14.8
40°-50°	4548.0	20.4
50°-60°	6060.7	27.2
60°-70°	3777.3	17.0
70°-80°	868.6	3.9
80°-90°	117.8	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°	22284.3	100.0
0°-180°	22284.3	100.0

Coefficient of Utilization



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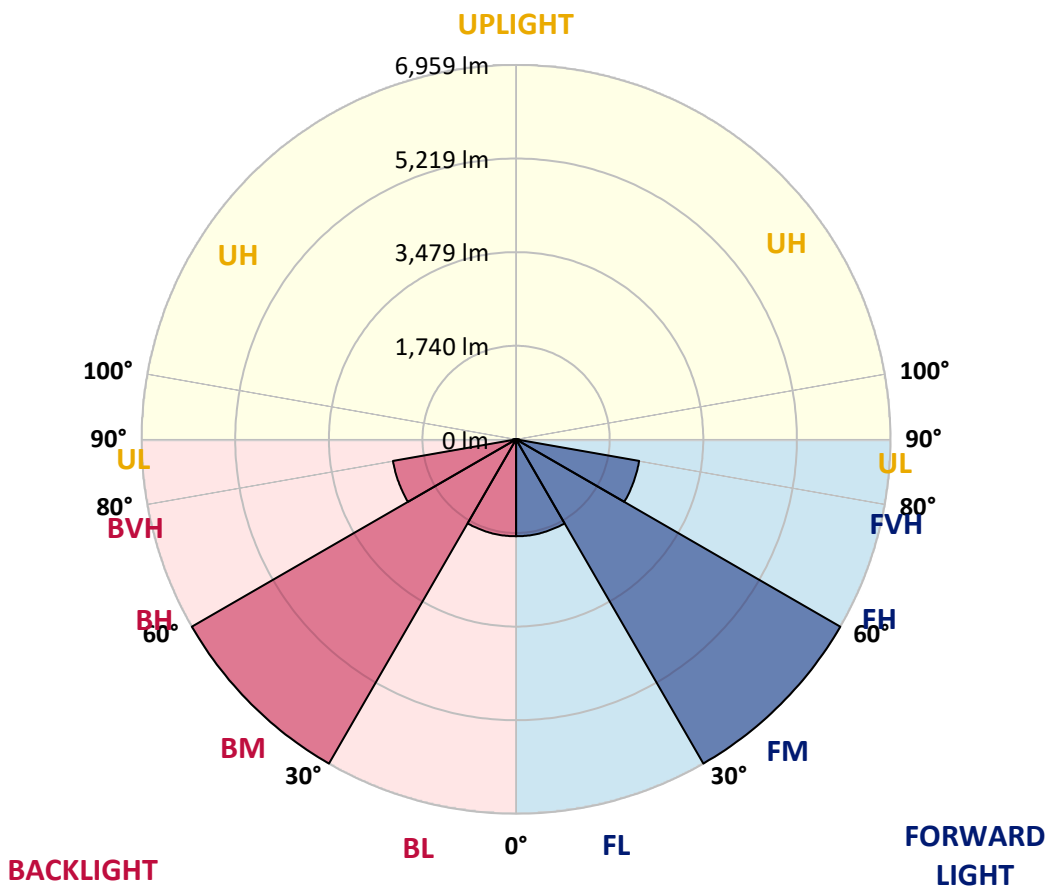
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1801.5	8.1			
FM (30°-60°)	6958.8	31.2			
FH (60°-80°)	2322.9	10.4			G2/5000
FVH (80°-90°)	58.9	0.3			G1/100
BL (0°-30°)	1801.5	8.1	B3/2500		
BM (30°-60°)	6958.8	31.2	B4/8500		
BH (60°-80°)	2322.9	10.4	B3/2500		G2/5000
BVH (80°-90°)	58.9	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°	4072.4	4072.4	4072.4	4072.4	4072.4	4072.4	4072.4	4072.4	4072.4	4072.4	4072.4
2.5°	4044.1	4047.8	4055.4	4061.1	4068.6	4076.2	4080.0	4072.4	4068.6	4053.5	4070.5
5°	4047.8	4051.6	4057.3	4057.3	4059.2	4064.9	4064.9	4055.4	4045.9	4028.9	4047.8
7.5°	4042.2	4045.9	4047.8	4045.9	4047.8	4049.7	4045.9	4034.6	4025.1	4010.0	4025.1
10°	4032.7	4036.5	4040.3	4036.5	4032.7	4038.4	4038.4	4030.8	4025.1	4010.0	4027.0
12.5°	4053.5	4059.2	4061.1	4051.6	4047.8	4049.7	4049.7	4042.2	4042.2	4028.9	4047.8
15°	4102.7	4106.5	4100.8	4089.4	4091.3	4097.0	4083.8	4064.9	4061.1	4055.4	4070.5
17.5°	4140.5	4144.3	4138.6	4131.1	4144.3	4157.5	4133.0	4097.0	4085.7	4081.9	4098.9
20°	4182.1	4187.8	4180.2	4189.7	4216.2	4231.3	4201.0	4151.9	4129.2	4123.5	4144.3
22.5°	4250.2	4257.8	4257.8	4278.6	4318.3	4342.9	4305.1	4238.9	4204.8	4195.4	4216.2
25°	4358.0	4363.7	4369.4	4411.0	4475.3	4509.4	4448.8	4358.0	4310.8	4295.6	4307.0
27.5°	4507.5	4516.9	4526.4	4586.9	4666.4	4715.5	4628.5	4515.0	4456.4	4426.1	4448.8
30°	4685.3	4698.5	4721.2	4789.3	4900.9	4955.8	4844.2	4706.1	4639.9	4607.7	4638.0
32.5°	4927.4	4929.3	4946.3	5022.0	5169.5	5231.9	5091.9	4938.7	4870.6	4832.8	4849.8
35°	5214.9	5216.8	5190.3	5267.9	5426.7	5496.7	5332.2	5177.1	5120.3	5109.0	5152.5
37.5°	5510.0	5492.9	5466.5	5500.5	5661.3	5706.7	5532.7	5400.3	5375.7	5396.5	5460.8
40°	5719.9	5691.6	5638.6	5663.2	5825.9	5878.8	5693.4	5568.6	5561.0	5612.1	5689.7
42.5°	5856.1	5825.9	5763.4	5763.4	5875.0	5897.7	5754.0	5687.8	5704.8	5763.4	5837.2
45°	5922.3	5905.3	5869.4	5850.4	5912.9	5922.3	5812.6	5786.1	5818.3	5846.7	5903.4
47.5°	5973.4	5973.4	5962.0	5943.1	5971.5	5977.2	5895.8	5888.3	5929.9	5929.9	5967.7
50°	6064.2	6073.6	6088.8	6085.0	6115.3	6134.2	6073.6	6062.3	6079.3	6024.5	6043.4
52.5°	6302.5	6327.1	6370.6	6404.7	6482.2	6540.8	6433.0	6342.2	6253.3	6132.3	6136.1
55°	6730.0	6741.3	6826.5	6926.7	7057.2	7176.4	6955.1	6673.3	6480.3	6338.5	6340.3
57.5°	7091.3	7108.3	7233.1	7443.1	7736.3	7921.6	7431.7	6960.8	6688.4	6514.4	6520.0
60°	6779.2	6756.5	6992.9	7352.3	7883.8	8120.3	7397.7	6754.6	6363.0	6147.4	6162.5
62.5°	5245.2	5201.7	5464.6	5841.0	6478.4	6714.9	6049.1	5432.4	5061.7	4893.3	4868.8
65°	3192.9	3153.1	3342.3	3573.1	4004.3	4153.8	3849.2	3522.0	3198.5	3096.4	3068.0
67.5°	1738.3	1732.6	1783.7	1897.2	2086.3	2156.3	2097.7	1942.6	1859.4	1787.5	1787.5
70°	1378.9	1367.6	1358.1	1360.0	1377.0	1386.5	1388.4	1380.8	1390.3	1392.2	1384.6
72.5°	1142.5	1138.7	1119.8	1121.7	1114.1	1110.3	1123.6	1131.1	1146.3	1148.1	1148.1
75°	828.5	819.0	828.5	830.4	822.8	822.8	832.3	830.4	837.9	841.7	820.9
77.5°	471.0	471.0	484.2	499.4	510.7	510.7	520.2	520.2	529.6	527.7	523.9
80°	259.1	259.1	266.7	276.2	287.5	298.9	308.3	310.2	315.9	314.0	308.3
82.5°	147.5	149.4	153.2	158.9	170.2	179.7	189.2	191.0	196.7	196.7	191.0
85°	70.0	68.1	70.0	73.8	79.4	87.0	96.5	102.1	105.9	105.9	102.1
87.5°	13.2	15.1	13.2	15.1	17.0	22.7	26.5	30.3	35.9	37.8	34.0
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)