

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: P639994

Luminaire Tested: GWS-SA5D-722-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639994
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-722-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19375 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

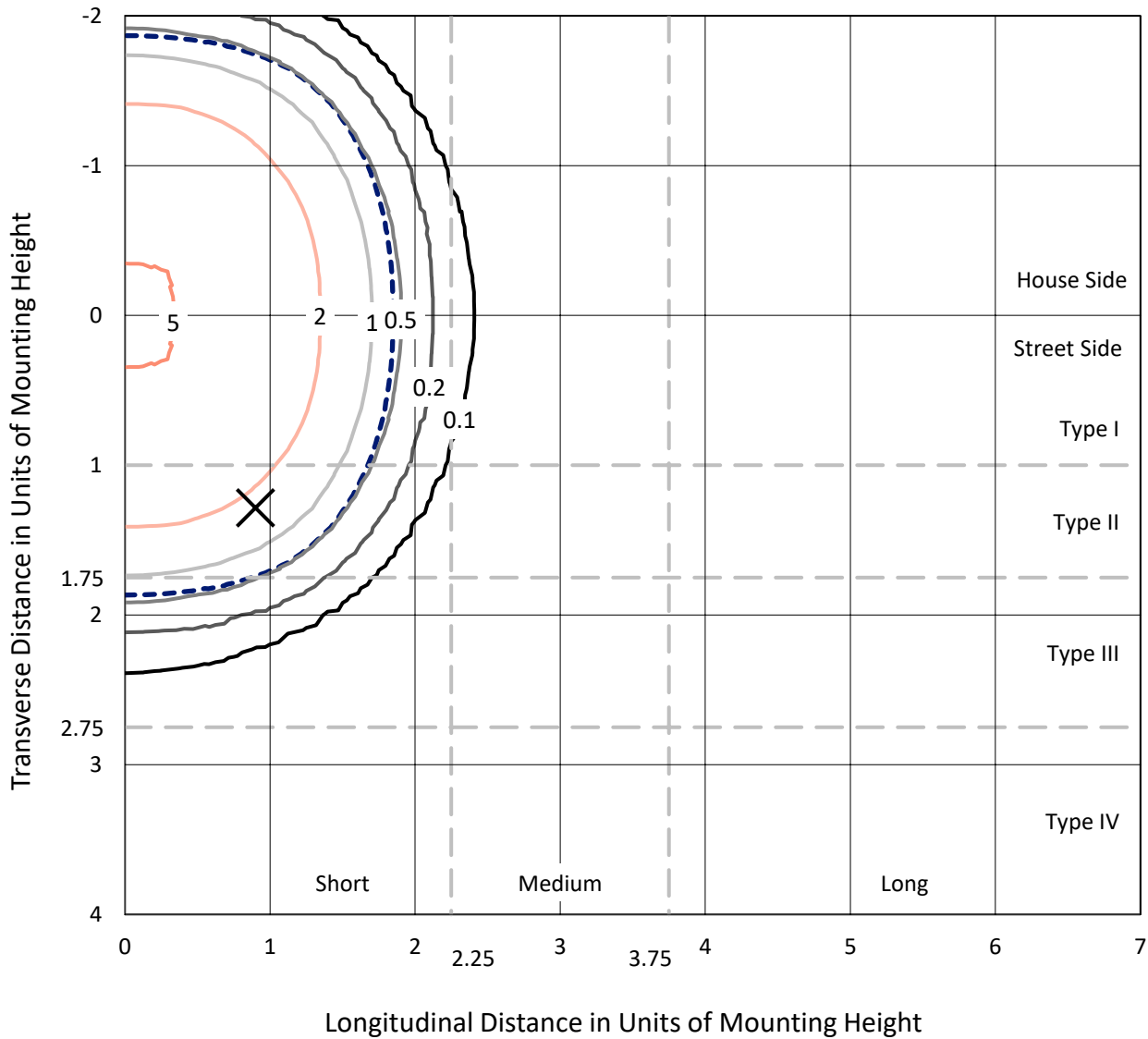
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

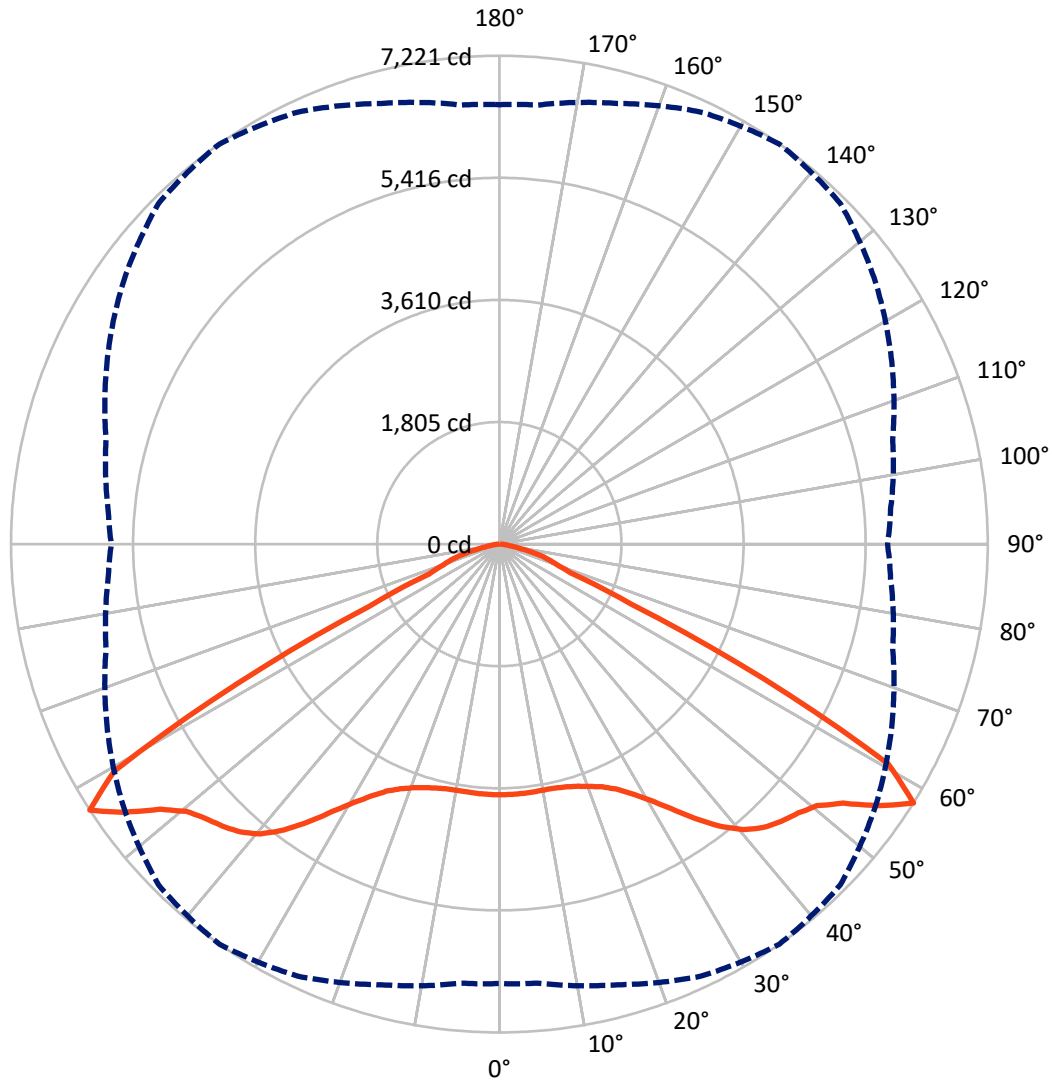
✕ Max cd
 - - - 1/2 Max cd



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 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9687.5	0.0	9687.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9687.5	0.0	9687.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19375.0	0.0	19375.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.7	1.8
10°-20°	1052.2	5.4
20°-30°	1835.9	9.5
30°-40°	3010.5	15.5
40°-50°	4433.7	22.9
50°-60°	5658.2	29.2
60°-70°	2384.6	12.3
70°-80°	569.6	2.9
80°-90°	77.5	0.4
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°	19375.0	100.0
0°-180°	19375.0	100.0

Coefficient of Utilization



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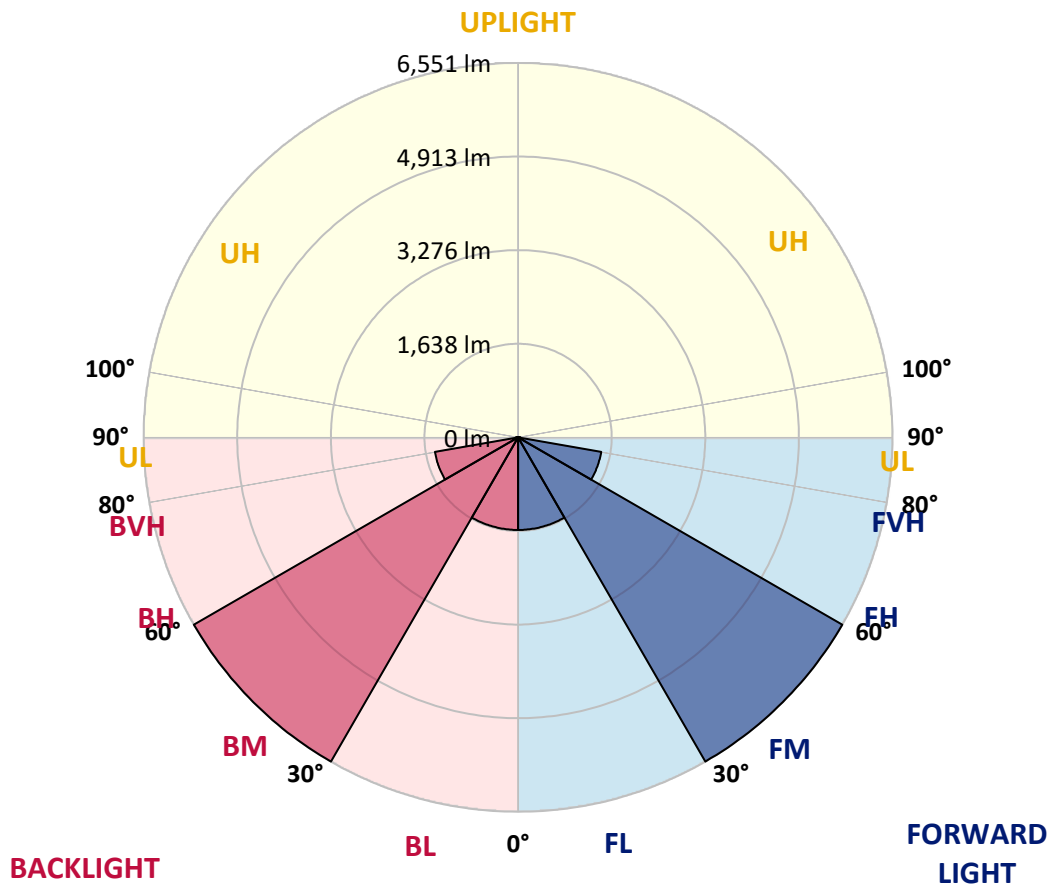
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1620.4	8.4			
FM (30°-60°)	6551.2	33.8			
FH (60°-80°)	1477.1	7.6			G1/1800
FVH (80°-90°)	38.8	0.2			G1/100
BL (0°-30°)	1620.4	8.4	B3/2500		
BM (30°-60°)	6551.2	33.8	B4/8500		
BH (60°-80°)	1477.1	7.6	B3/2500		G1/1800
BVH (80°-90°)	38.8	0.2			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°	3707.2	3707.2	3707.2	3707.2	3707.2	3707.2	3707.2	3707.2	3707.2	3707.2	3707.2
2.5°	3685.0	3685.0	3692.9	3700.8	3704.0	3718.3	3716.7	3711.9	3708.8	3699.3	3711.9
5°	3692.9	3692.9	3699.3	3704.0	3702.4	3713.5	3708.8	3700.8	3696.1	3686.6	3700.8
7.5°	3691.3	3691.3	3696.1	3700.8	3697.7	3707.2	3699.3	3688.1	3680.2	3670.7	3683.4
10°	3670.7	3673.9	3678.6	3689.7	3694.5	3708.8	3697.7	3680.2	3667.5	3656.4	3669.1
12.5°	3667.5	3670.7	3677.0	3691.3	3699.3	3719.9	3705.6	3677.0	3658.0	3643.7	3656.4
15°	3681.8	3685.0	3694.5	3711.9	3724.6	3746.8	3726.2	3686.6	3659.6	3640.6	3651.7
17.5°	3699.3	3704.0	3718.3	3743.7	3764.3	3788.1	3762.7	3715.1	3677.0	3651.7	3661.2
20°	3718.3	3724.6	3746.8	3784.9	3823.0	3853.1	3821.4	3757.9	3711.9	3678.6	3688.1
22.5°	3751.6	3759.5	3788.1	3842.0	3899.1	3943.5	3903.9	3818.2	3757.9	3715.1	3723.0
25°	3819.8	3829.3	3865.8	3930.9	4011.8	4065.7	4010.2	3913.4	3829.3	3777.0	3784.9
27.5°	3940.4	3945.1	3992.7	4078.4	4178.3	4240.2	4173.6	4059.3	3965.8	3905.5	3911.8
30°	4099.0	4113.3	4160.9	4273.5	4392.5	4475.0	4387.7	4252.9	4145.0	4072.0	4078.4
32.5°	4292.5	4302.0	4373.4	4490.8	4662.1	4757.3	4638.3	4478.1	4348.0	4259.2	4265.6
35°	4546.3	4554.3	4622.5	4771.6	4979.4	5068.2	4931.8	4747.8	4597.1	4513.0	4536.8
37.5°	4849.3	4863.6	4912.8	5060.3	5291.9	5379.1	5222.1	5050.8	4893.7	4816.0	4833.5
40°	5174.5	5172.9	5212.6	5342.7	5553.6	5607.6	5466.4	5330.0	5195.1	5144.4	5172.9
42.5°	5453.7	5445.8	5474.3	5582.2	5728.1	5732.9	5639.3	5563.2	5468.0	5433.1	5460.0
45°	5648.8	5652.0	5694.8	5769.4	5843.9	5804.3	5775.7	5763.0	5688.5	5640.9	5645.6
47.5°	5802.7	5815.4	5883.6	5934.4	5943.9	5877.2	5916.9	5935.9	5874.1	5801.1	5780.5
50°	5939.1	5959.7	6048.6	6102.5	6081.9	5997.8	6075.5	6104.1	5967.7	5828.1	5786.8
52.5°	6186.6	6210.4	6318.2	6388.0	6364.2	6280.2	6353.1	6251.6	6021.6	5850.3	5797.9
55°	6581.6	6592.7	6724.3	6838.5	6827.4	6724.3	6665.6	6440.4	6161.2	5983.5	5934.4
57.5°	6497.5	6516.5	6745.0	7049.5	7220.8	7127.2	6783.0	6399.1	6020.0	5805.9	5739.2
60°	5112.6	5158.6	5442.6	5978.8	6606.9	6605.4	5966.1	5369.6	4912.8	4628.8	4600.3
62.5°	2985.4	3017.1	3275.7	3818.2	4381.4	4416.3	3967.3	3558.1	3158.3	2966.4	2874.4
65°	1413.4	1411.8	1514.9	1759.2	2139.9	2170.1	2035.2	1811.6	1575.2	1510.2	1492.7
67.5°	1043.8	1043.8	1035.9	1053.3	1126.3	1142.1	1126.3	1089.8	1067.6	1081.9	1072.3
70°	905.8	907.4	897.8	893.1	893.1	888.3	894.7	909.0	918.5	937.5	928.0
72.5°	734.5	736.0	736.0	737.6	739.2	732.9	742.4	750.3	751.9	758.3	751.9
75°	521.9	525.1	534.6	542.5	548.9	548.9	552.0	553.6	547.3	555.2	542.5
77.5°	287.1	290.3	307.7	322.0	336.3	337.9	342.6	345.8	342.6	349.0	339.5
80°	158.6	161.8	169.7	176.1	187.2	196.7	203.0	206.2	206.2	211.0	206.2
82.5°	90.4	93.6	98.4	101.5	111.0	119.0	125.3	130.1	130.1	131.7	128.5
85°	42.8	42.8	46.0	49.2	53.9	57.1	65.0	69.8	69.8	73.0	69.8
87.5°	6.3	7.9	9.5	9.5	12.7	15.9	19.0	20.6	23.8	25.4	25.4
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)