

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: P639997

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639997
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-SA5D-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20060.3 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

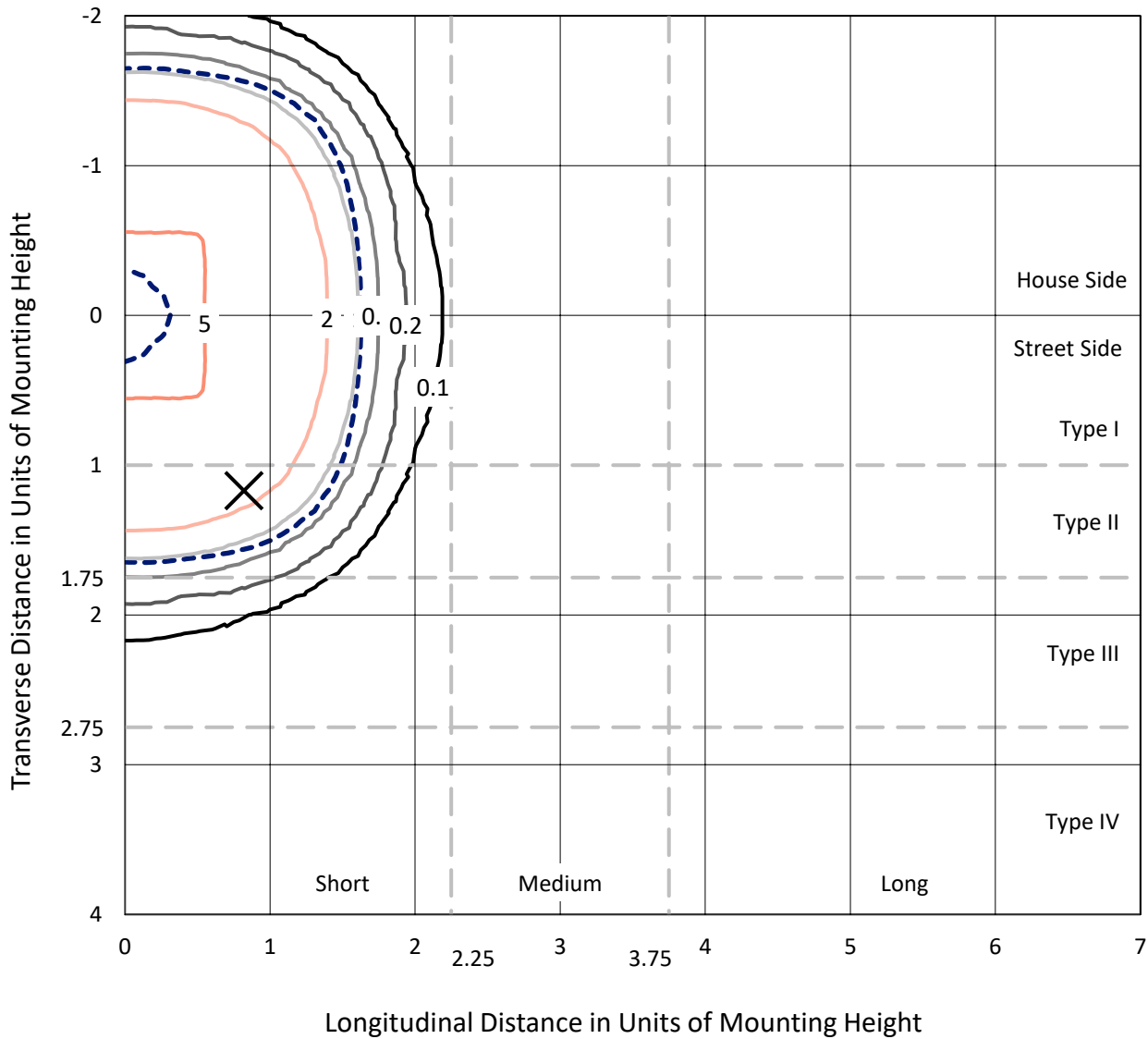
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

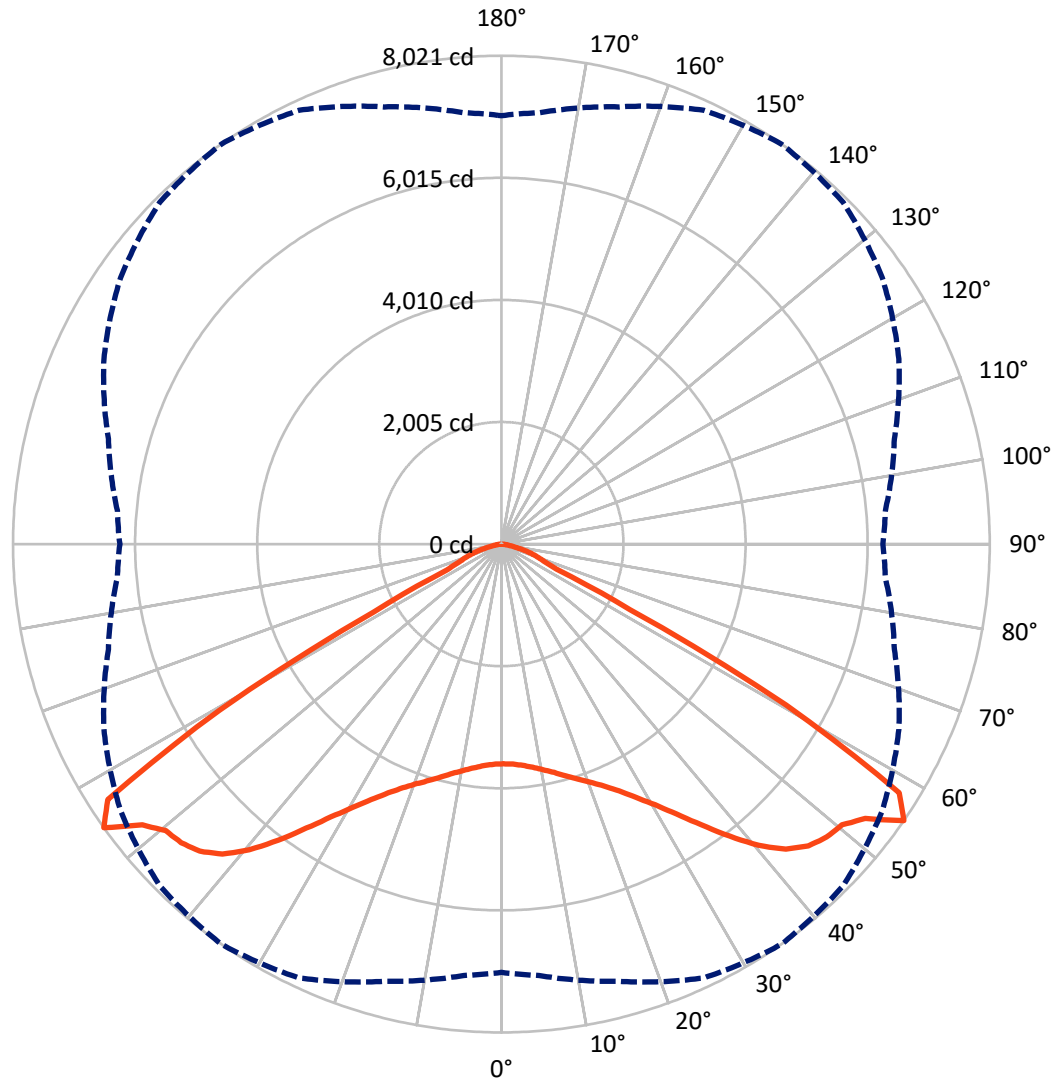
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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	10030.2	0.0	10030.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10030.2	0.0	10030.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	20060.3	0.0	20060.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.0	1.8
10°-20°	1120.7	5.6
20°-30°	2074.2	10.3
30°-40°	3469.7	17.3
40°-50°	5287.3	26.4
50°-60°	5922.8	29.5
60°-70°	1401.4	7.0
70°-80°	377.8	1.9
80°-90°	54.4	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°	20060.3	100.0
0°-180°	20060.3	100.0

Coefficient of Utilization



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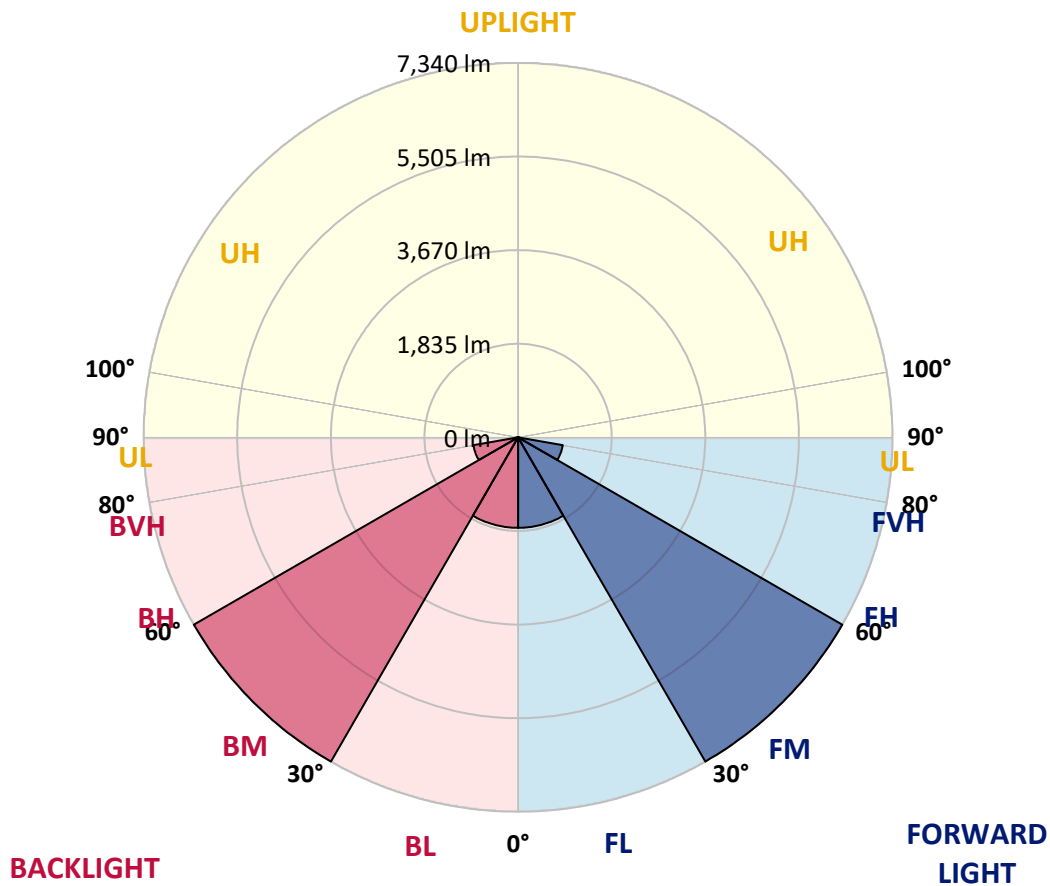
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1773.4	8.8			
FM (30°-60°)	7339.9	36.6			
FH (60°-80°)	889.6	4.4			G1/1800
FVH (80°-90°)	27.2	0.1			G1/100
BL (0°-30°)	1773.4	8.8	B3/2500		
BM (30°-60°)	7339.9	36.6	B4/8500		
BH (60°-80°)	889.6	4.4	B2/1000		G1/1800
BVH (80°-90°)	27.2	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°	3608.9	3608.9	3608.9	3608.9	3608.9	3608.9	3608.9	3608.9	3608.9	3608.9	3608.9
2.5°	3601.0	3601.0	3607.3	3615.2	3616.8	3632.7	3629.5	3623.2	3620.0	3613.7	3627.9
5°	3640.6	3642.2	3647.0	3651.7	3648.6	3661.3	3656.5	3648.6	3643.8	3635.9	3650.1
7.5°	3693.0	3693.0	3697.7	3704.1	3700.9	3719.9	3710.4	3699.3	3691.4	3681.9	3694.6
10°	3740.6	3743.7	3748.5	3761.2	3767.5	3788.2	3781.8	3765.9	3753.3	3742.2	3756.4
12.5°	3812.0	3815.1	3819.9	3837.3	3848.4	3869.1	3859.5	3837.3	3818.3	3802.4	3818.3
15°	3904.0	3900.8	3913.5	3935.7	3950.0	3969.0	3957.9	3919.8	3894.4	3873.8	3889.7
17.5°	3997.6	3996.0	4008.7	4037.2	4057.8	4083.2	4064.2	4019.8	3992.8	3967.4	3983.3
20°	4099.1	4103.8	4116.5	4143.5	4173.6	4206.9	4191.1	4143.5	4113.4	4084.8	4097.5
22.5°	4224.4	4226.0	4240.3	4275.2	4314.8	4346.5	4337.0	4278.3	4240.3	4210.1	4226.0
25°	4375.1	4373.5	4392.5	4433.8	4489.3	4521.0	4500.4	4435.4	4394.1	4359.2	4371.9
27.5°	4548.0	4546.4	4575.0	4628.9	4708.2	4752.6	4709.8	4628.9	4571.8	4522.6	4533.7
30°	4765.3	4760.6	4792.3	4865.3	4968.4	5042.9	4979.5	4866.9	4792.3	4740.0	4751.1
32.5°	5006.5	5012.8	5052.5	5150.8	5280.9	5377.7	5282.5	5157.2	5057.2	4981.1	4993.8
35°	5271.4	5271.4	5352.3	5474.4	5660.0	5788.5	5641.0	5460.1	5326.9	5222.2	5225.4
37.5°	5566.4	5569.6	5675.9	5844.0	6086.8	6237.5	6037.6	5813.9	5652.1	5539.5	5533.1
40°	5926.5	5936.0	6045.5	6232.7	6505.5	6643.6	6429.4	6210.5	6045.5	5912.3	5899.6
42.5°	6332.6	6335.8	6451.6	6619.8	6849.8	6932.3	6764.1	6584.9	6450.0	6329.5	6316.8
45°	6719.7	6711.8	6811.7	6937.0	7070.3	7078.2	6984.6	6911.6	6794.3	6691.1	6672.1
47.5°	7021.1	7014.8	7105.2	7173.4	7189.2	7111.5	7141.7	7152.8	7016.3	6876.7	6840.3
50°	7205.1	7217.8	7303.5	7341.5	7247.9	7121.0	7235.3	7206.7	7011.6	6829.2	6770.5
52.5°	7316.2	7335.2	7484.3	7581.1	7484.3	7363.7	7379.6	7211.5	6930.7	6689.6	6613.4
55°	7035.4	7111.5	7433.5	7861.9	8020.5	7936.4	7635.0	7201.9	6681.6	6331.0	6266.0
57.5°	5214.3	5334.8	5812.3	6740.3	7704.8	8011.0	7130.6	6037.6	5249.2	4798.6	4760.6
60°	2661.9	2796.7	3179.0	4132.4	5372.9	5804.4	4966.8	3865.9	3072.7	2707.9	2666.6
62.5°	1086.6	1108.8	1234.2	1602.2	2374.7	2739.6	2406.5	1689.4	1269.1	1169.1	1170.7
65°	855.0	859.8	853.4	875.7	994.6	1104.1	1020.0	896.3	874.1	885.2	877.2
67.5°	745.6	747.2	742.4	742.4	747.2	742.4	751.9	756.7	759.9	772.5	764.6
70°	623.4	625.0	625.0	628.2	626.6	618.7	632.9	639.3	640.9	648.8	644.1
72.5°	482.2	487.0	490.2	491.8	490.2	485.4	493.3	504.5	502.9	510.8	502.9
75°	326.8	333.1	336.3	342.6	341.1	341.1	350.6	355.3	350.6	356.9	350.6
77.5°	185.6	190.4	199.9	206.2	212.6	217.3	223.7	226.8	225.3	228.4	225.3
80°	107.9	109.5	117.4	120.6	128.5	136.4	142.8	145.9	147.5	149.1	147.5
82.5°	61.9	63.5	66.6	69.8	76.1	82.5	88.8	93.6	93.6	95.2	93.6
85°	30.1	30.1	31.7	33.3	36.5	41.2	46.0	50.8	52.3	52.3	52.3
87.5°	4.8	4.8	6.3	6.3	7.9	9.5	12.7	15.9	17.4	17.4	17.4
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)