

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: P637742

Luminaire Tested: GWS-SA4D-740-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637742
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-SA4D-740-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (64) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22200.6 lumens
Efficiency: N/A
Efficacy: 137.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 162.1
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

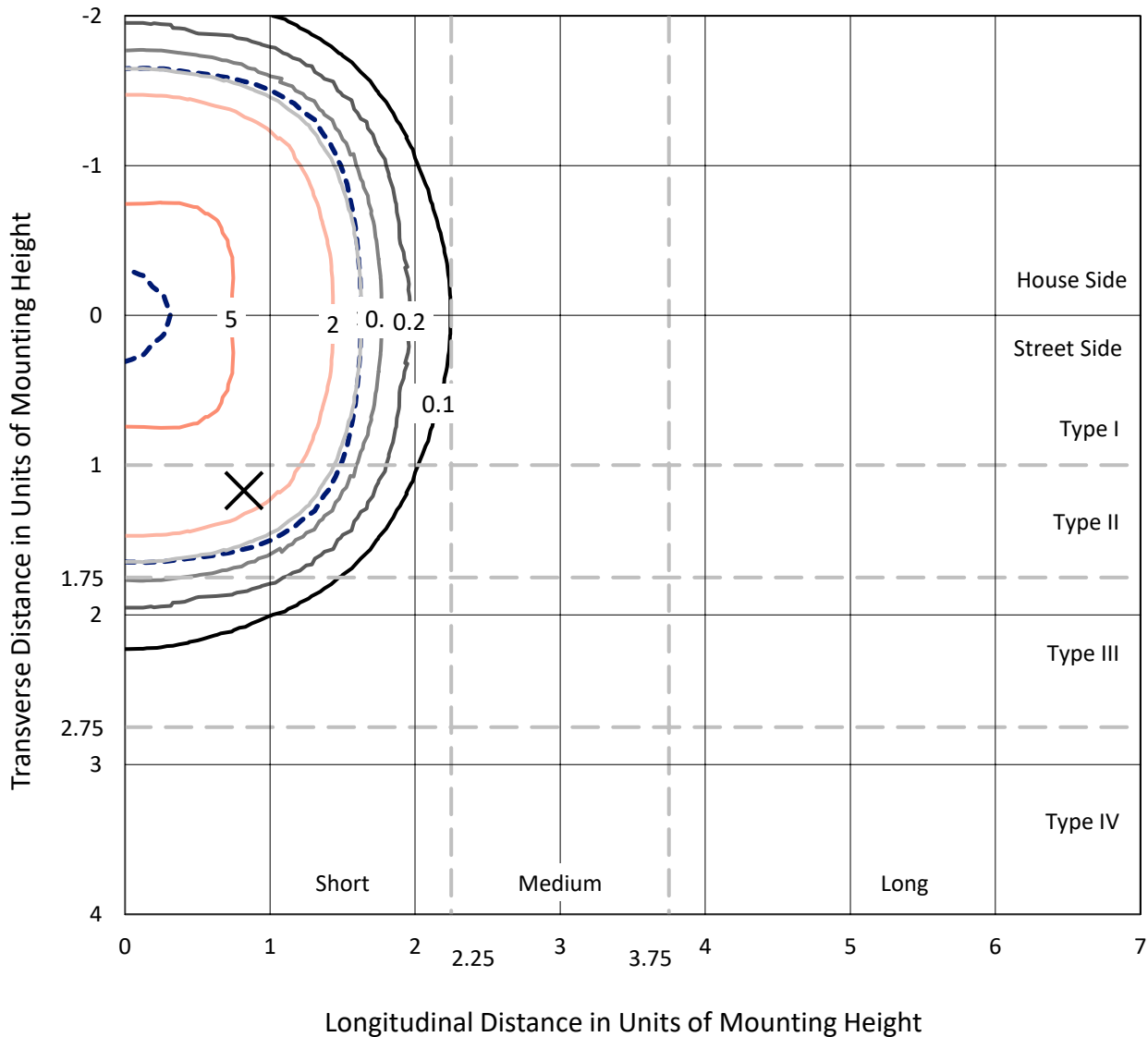


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Iso-Footcandle Lines of Horizontal Illumination

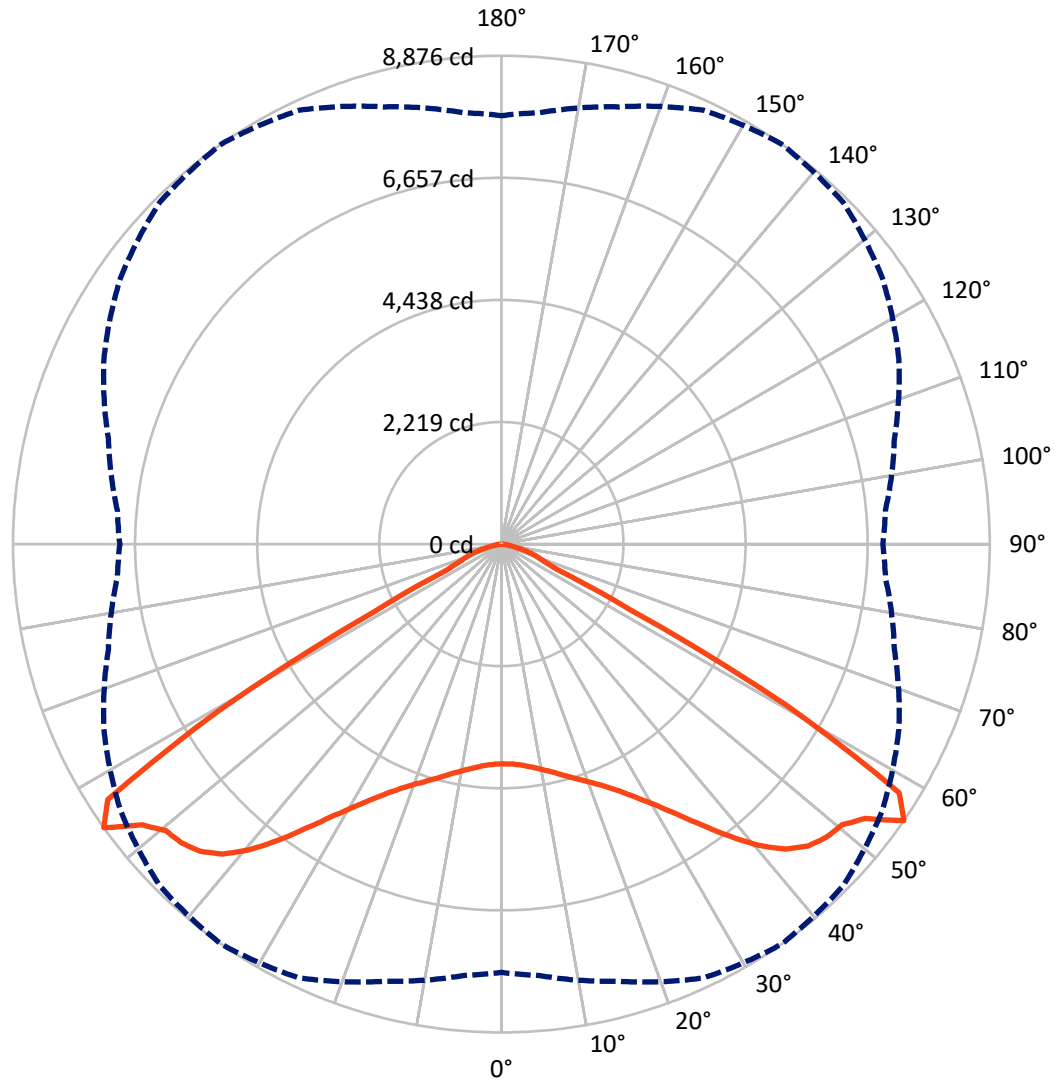
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	11100.3	0.0	11100.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11100.3	0.0	11100.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	22200.6	0.0	22200.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.6	1.8
10°-20°	1240.3	5.6
20°-30°	2295.5	10.3
30°-40°	3839.9	17.3
40°-50°	5851.4	26.4
50°-60°	6554.8	29.5
60°-70°	1550.9	7.0
70°-80°	418.1	1.9
80°-90°	60.2	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°	22200.6	100.0
0°-180°	22200.6	100.0

Coefficient of Utilization



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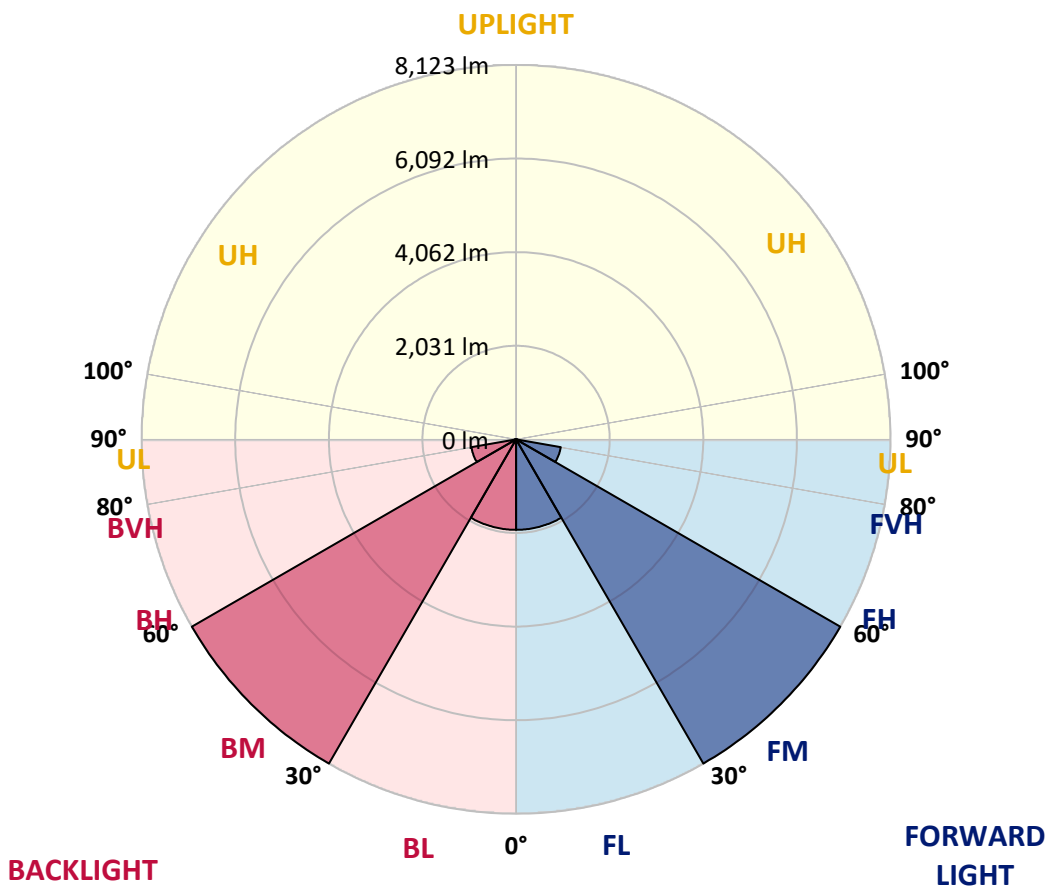
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1962.7	8.8			
FM (30°-60°)	8123.0	36.6			
FH (60°-80°)	984.5	4.4			G1/1800
FVH (80°-90°)	30.1	0.1			G1/100
BL (0°-30°)	1962.7	8.8	B3/2500		
BM (30°-60°)	8123.0	36.6	B4/8500		
BH (60°-80°)	984.5	4.4	B2/1000		G1/1800
BVH (80°-90°)	30.1	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°	3993.9	3993.9	3993.9	3993.9	3993.9	3993.9	3993.9	3993.9	3993.9	3993.9	3993.9
2.5°	3985.2	3985.2	3992.2	4001.0	4002.7	4020.3	4016.8	4009.7	4006.2	3999.2	4015.0
5°	4029.1	4030.8	4036.1	4041.3	4037.8	4051.9	4046.6	4037.8	4032.6	4023.8	4039.6
7.5°	4087.0	4087.0	4092.3	4099.3	4095.8	4116.8	4106.3	4094.0	4085.2	4074.7	4088.7
10°	4139.7	4143.2	4148.4	4162.5	4169.5	4192.3	4185.3	4167.8	4153.7	4141.4	4157.2
12.5°	4218.7	4222.2	4227.4	4246.8	4259.0	4281.9	4271.3	4246.8	4225.7	4208.1	4225.7
15°	4320.5	4317.0	4331.0	4355.6	4371.4	4392.5	4380.2	4338.0	4310.0	4287.1	4304.7
17.5°	4424.1	4422.3	4436.4	4468.0	4490.8	4518.9	4497.8	4448.6	4418.8	4390.7	4408.3
20°	4536.4	4541.7	4555.7	4585.6	4618.9	4655.8	4638.2	4585.6	4552.2	4520.6	4534.7
22.5°	4675.1	4676.9	4692.7	4731.3	4775.2	4810.3	4799.8	4734.8	4692.7	4659.3	4676.9
25°	4841.9	4840.1	4861.2	4906.8	4968.3	5003.4	4980.6	4908.6	4863.0	4824.3	4838.4
27.5°	5033.3	5031.5	5063.1	5122.8	5210.6	5259.7	5212.3	5122.8	5059.6	5005.2	5017.5
30°	5273.8	5268.5	5303.6	5384.4	5498.5	5581.0	5510.8	5386.1	5303.6	5245.7	5258.0
32.5°	5540.6	5547.6	5591.5	5700.4	5844.3	5951.4	5846.1	5707.4	5596.8	5512.5	5526.6
35°	5833.8	5833.8	5923.3	6058.5	6263.9	6406.1	6242.8	6042.7	5895.2	5779.4	5782.9
37.5°	6160.3	6163.8	6281.5	6467.6	6736.2	6902.9	6681.7	6434.2	6255.1	6130.5	6123.5
40°	6558.9	6569.4	6690.5	6897.7	7199.6	7352.4	7115.4	6873.1	6690.5	6543.1	6529.0
42.5°	7008.3	7011.8	7139.9	7326.0	7580.6	7671.9	7485.8	7287.4	7138.2	7004.8	6990.7
45°	7436.6	7427.9	7538.5	7677.2	7824.6	7833.4	7729.8	7649.1	7519.2	7405.0	7384.0
47.5°	7770.2	7763.2	7863.2	7938.7	7956.3	7870.3	7903.6	7915.9	7764.9	7610.4	7570.1
50°	7973.9	7987.9	8082.7	8124.8	8021.3	7880.8	8007.2	7975.6	7759.7	7557.8	7492.8
52.5°	8096.7	8117.8	8282.8	8389.9	8282.8	8149.4	8167.0	7980.9	7670.1	7403.3	7319.0
55°	7786.0	7870.3	8226.7	8700.7	8876.2	8783.2	8449.6	7970.3	7394.5	7006.5	6934.5
57.5°	5770.6	5904.0	6432.4	7459.5	8526.9	8865.7	7891.3	6681.7	5809.2	5310.6	5268.5
60°	2945.9	3095.1	3518.2	4573.3	5946.2	6423.7	5496.7	4278.4	3400.6	2996.8	2951.1
62.5°	1202.6	1227.2	1365.8	1773.1	2628.1	3031.9	2663.2	1869.7	1404.5	1293.9	1295.6
65°	946.3	951.5	944.5	969.1	1100.7	1221.9	1128.8	991.9	967.3	979.6	970.8
67.5°	825.1	826.9	821.6	821.6	826.9	821.6	832.1	837.4	840.9	855.0	846.2
70°	689.9	691.7	691.7	695.2	693.5	684.7	700.5	707.5	709.3	718.0	712.8
72.5°	533.7	539.0	542.5	544.2	542.5	537.2	546.0	558.3	556.5	565.3	556.5
75°	361.6	368.7	372.2	379.2	377.4	377.4	388.0	393.3	388.0	395.0	388.0
77.5°	205.4	210.7	221.2	228.2	235.2	240.5	247.5	251.0	249.3	252.8	249.3
80°	119.4	121.1	129.9	133.4	142.2	151.0	158.0	161.5	163.3	165.0	163.3
82.5°	68.5	70.2	73.7	77.2	84.3	91.3	98.3	103.6	103.6	105.3	103.6
85°	33.4	33.4	35.1	36.9	40.4	45.6	50.9	56.2	57.9	57.9	57.9
87.5°	5.3	5.3	7.0	7.0	8.8	10.5	14.0	17.6	19.3	19.3	19.3
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)