

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: P637797

Luminaire Tested: GWS-SA4D-750-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637797
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22709.3 lumens
Efficiency: N/A
Efficacy: 140.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

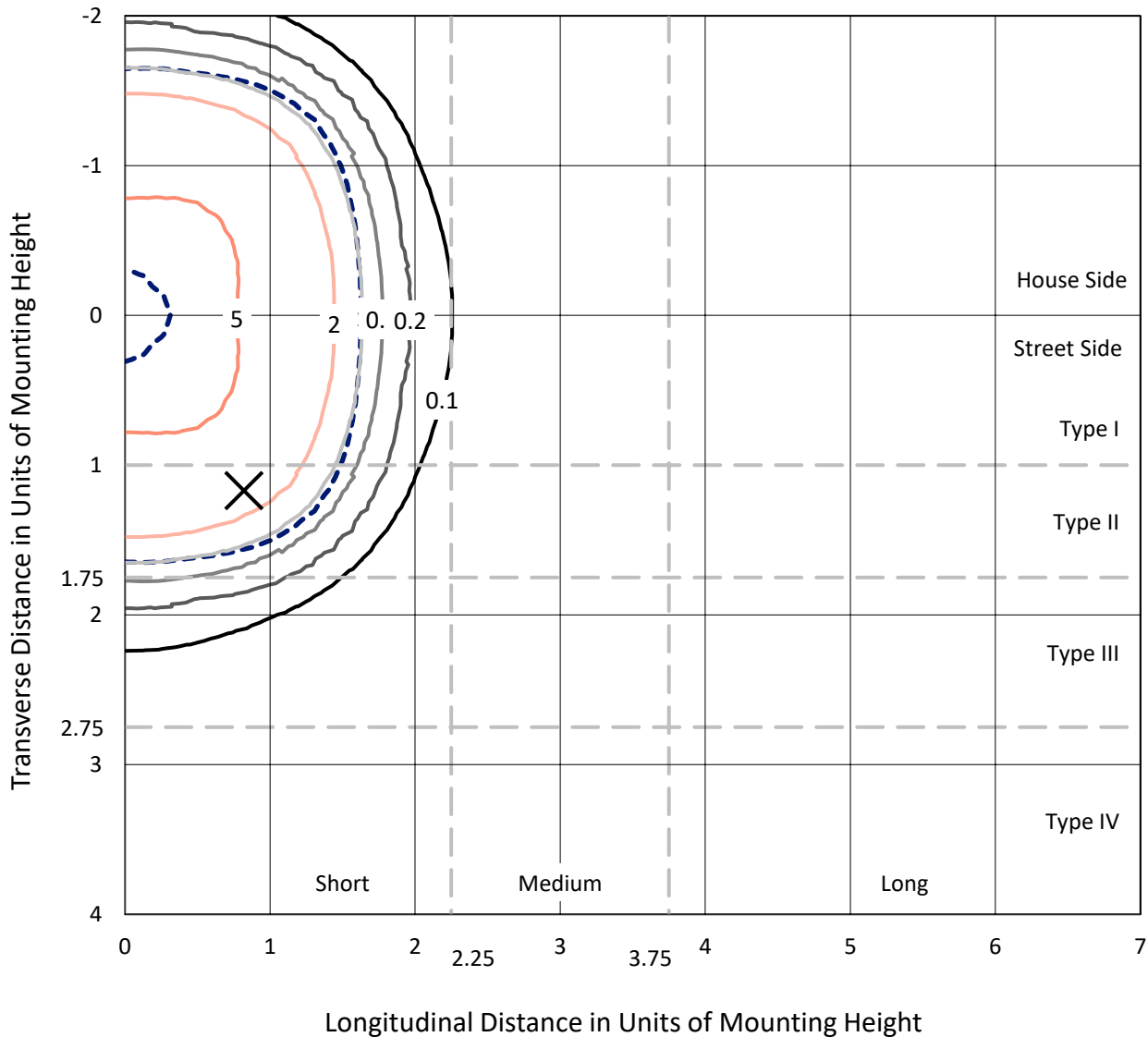
Input Watts (W): 162.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

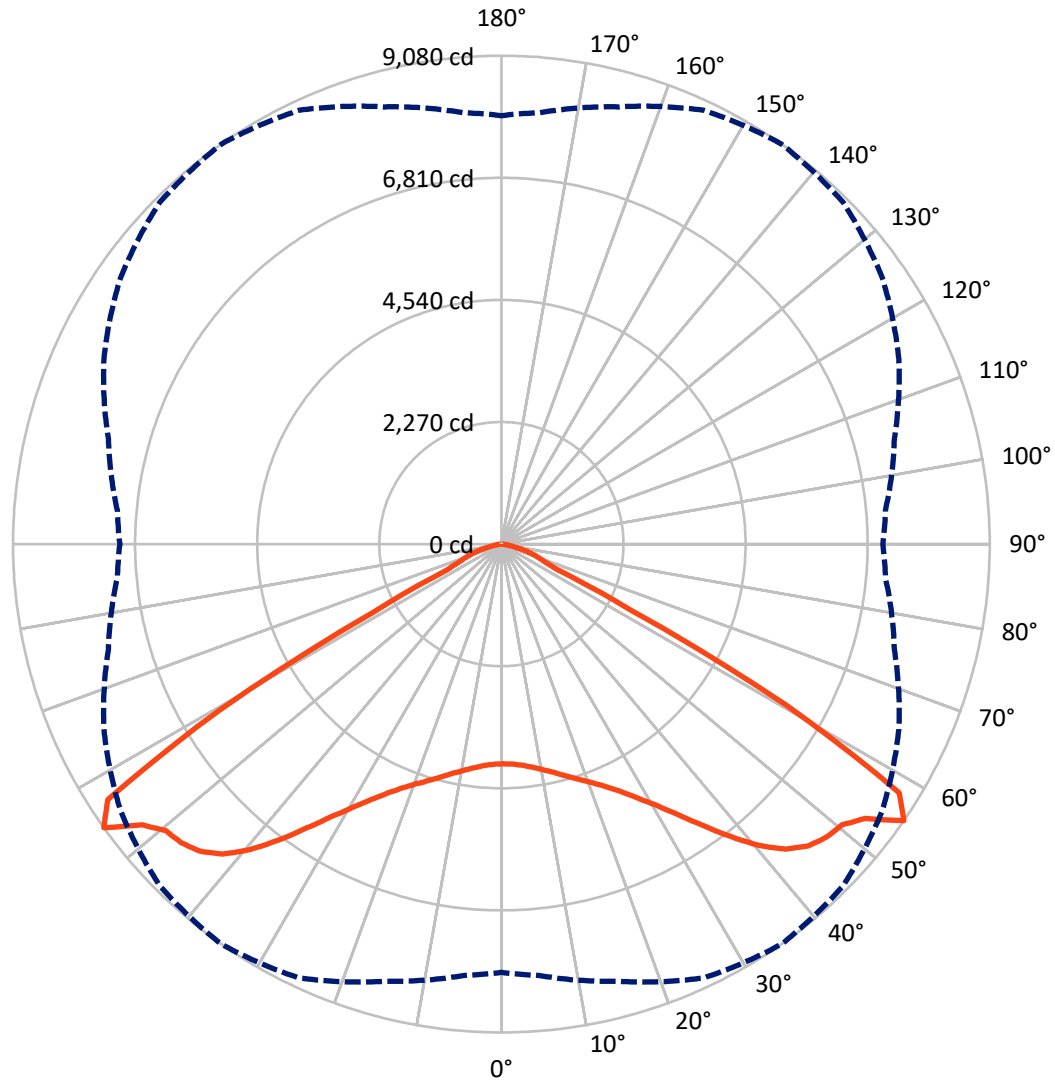
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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	11354.6	0.0	11354.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11354.6	0.0	11354.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	22709.3	0.0	22709.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.5	1.8
10°-20°	1268.7	5.6
20°-30°	2348.1	10.3
30°-40°	3927.9	17.3
40°-50°	5985.5	26.4
50°-60°	6705.0	29.5
60°-70°	1586.4	7.0
70°-80°	427.7	1.9
80°-90°	61.6	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°	22709.3	100.0
0°-180°	22709.3	100.0

Coefficient of Utilization



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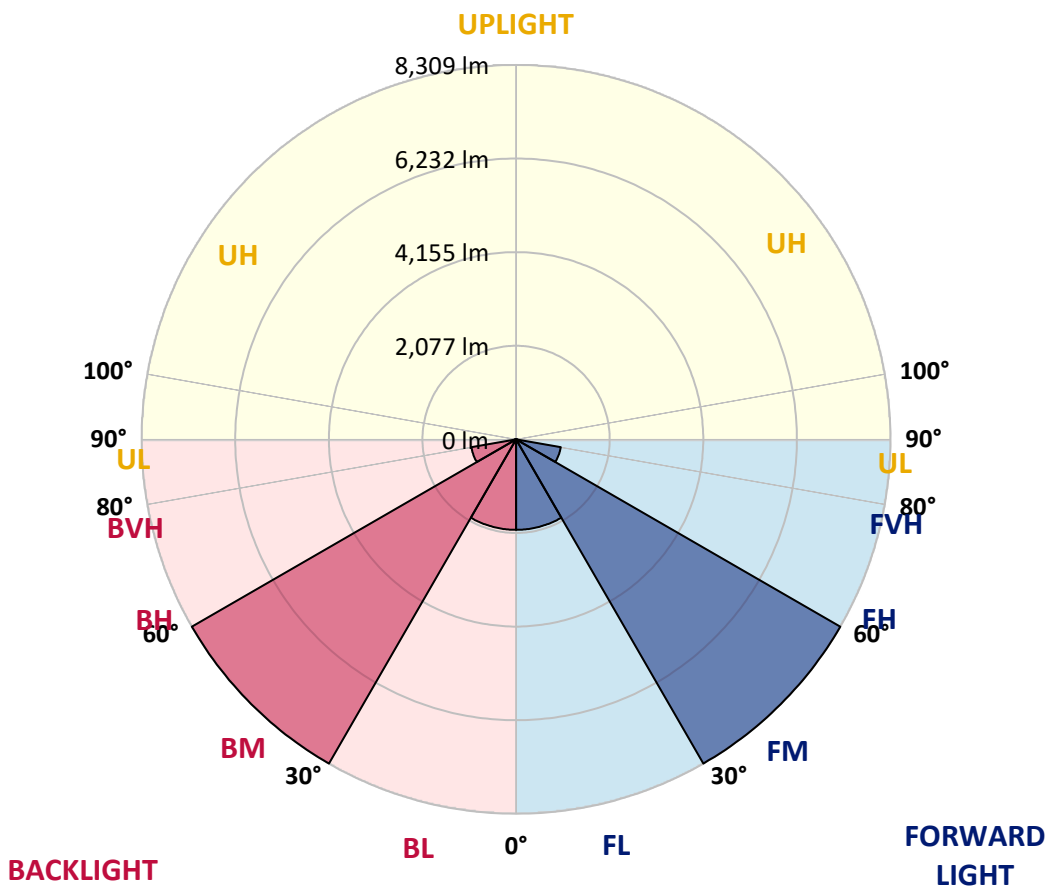
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2007.6	8.8			
FM (30°-60°)	8309.1	36.6			
FH (60°-80°)	1007.1	4.4			G1/1800
FVH (80°-90°)	30.8	0.1			G1/100
BL (0°-30°)	2007.6	8.8	B3/2500		
BM (30°-60°)	8309.1	36.6	B4/8500		
BH (60°-80°)	1007.1	4.4	B3/2500		G1/1800
BVH (80°-90°)	30.8	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°	4085.5	4085.5	4085.5	4085.5	4085.5	4085.5	4085.5	4085.5	4085.5	4085.5	4085.5
2.5°	4076.5	4076.5	4083.7	4092.6	4094.4	4112.4	4108.8	4101.6	4098.0	4090.9	4107.0
5°	4121.4	4123.2	4128.6	4134.0	4130.4	4144.7	4139.3	4130.4	4125.0	4116.0	4132.2
7.5°	4180.6	4180.6	4186.0	4193.2	4189.6	4211.2	4200.4	4187.8	4178.8	4168.1	4182.4
10°	4234.5	4238.1	4243.5	4257.9	4265.0	4288.4	4281.2	4263.2	4248.9	4236.3	4252.5
12.5°	4315.3	4318.9	4324.3	4344.1	4356.6	4380.0	4369.2	4344.1	4322.5	4304.6	4322.5
15°	4419.5	4415.9	4430.3	4455.4	4471.6	4493.1	4480.5	4437.4	4408.7	4385.4	4403.3
17.5°	4525.4	4523.6	4538.0	4570.3	4593.7	4622.4	4600.9	4550.6	4520.0	4491.3	4509.3
20°	4640.4	4645.8	4660.1	4690.7	4724.8	4762.5	4744.5	4690.7	4656.5	4624.2	4638.6
22.5°	4782.2	4784.0	4800.2	4839.7	4884.6	4920.5	4909.7	4843.3	4800.2	4766.1	4784.0
25°	4952.8	4951.0	4972.6	5019.3	5082.1	5118.1	5094.7	5021.1	4974.4	4934.9	4949.2
27.5°	5148.6	5146.8	5179.1	5240.2	5330.0	5380.2	5331.8	5240.2	5175.5	5119.8	5132.4
30°	5394.6	5389.2	5425.1	5507.7	5624.5	5708.9	5637.0	5509.5	5425.1	5365.9	5378.4
32.5°	5667.6	5674.8	5719.6	5831.0	5978.2	6087.8	5980.0	5838.2	5725.0	5638.8	5653.2
35°	5967.5	5967.5	6059.1	6197.3	6407.4	6552.9	6385.9	6181.2	6030.3	5911.8	5915.4
37.5°	6301.5	6305.1	6425.4	6615.8	6890.5	7061.1	6834.8	6581.6	6398.5	6271.0	6263.8
40°	6709.1	6719.9	6843.8	7055.7	7364.6	7520.8	7278.4	7030.6	6843.8	6693.0	6678.6
42.5°	7168.9	7172.5	7303.6	7493.9	7754.3	7847.7	7657.3	7454.4	7301.8	7165.3	7150.9
45°	7607.0	7598.1	7711.2	7853.1	8003.9	8012.9	7906.9	7824.3	7691.4	7574.7	7553.2
47.5°	7948.2	7941.1	8043.4	8120.6	8138.6	8050.6	8084.7	8097.3	7942.9	7784.8	7743.5
50°	8156.6	8170.9	8267.9	8311.0	8205.0	8061.4	8190.7	8158.4	7937.5	7731.0	7664.5
52.5°	8282.3	8303.8	8472.6	8582.2	8472.6	8336.1	8354.1	8163.7	7845.9	7572.9	7486.7
55°	7964.4	8050.6	8415.2	8900.0	9079.6	8984.4	8643.2	8153.0	7563.9	7167.1	7093.4
57.5°	5902.8	6039.3	6579.8	7630.4	8722.2	9068.8	8072.2	6834.8	5942.3	5432.3	5389.2
60°	3013.4	3166.0	3598.8	4678.1	6082.4	6570.9	5622.7	4376.4	3478.5	3065.4	3018.8
62.5°	1230.1	1255.3	1397.1	1813.8	2688.3	3101.4	2724.2	1912.5	1436.6	1323.5	1325.3
65°	967.9	973.3	966.1	991.3	1126.0	1249.9	1154.7	1014.6	989.5	1002.1	993.1
67.5°	844.0	845.8	840.4	840.4	845.8	840.4	851.2	856.6	860.2	874.6	865.6
70°	705.8	707.5	707.5	711.1	709.3	700.4	716.5	723.7	725.5	734.5	729.1
72.5°	545.9	551.3	554.9	556.7	554.9	549.5	558.5	571.1	569.3	578.3	569.3
75°	369.9	377.1	380.7	387.9	386.1	386.1	396.9	402.3	396.9	404.1	396.9
77.5°	210.1	215.5	226.3	233.5	240.6	246.0	253.2	256.8	255.0	258.6	255.0
80°	122.1	123.9	132.9	136.5	145.5	154.4	161.6	165.2	167.0	168.8	167.0
82.5°	70.0	71.8	75.4	79.0	86.2	93.4	100.6	106.0	106.0	107.7	106.0
85°	34.1	34.1	35.9	37.7	41.3	46.7	52.1	57.5	59.3	59.3	59.3
87.5°	5.4	5.4	7.2	7.2	9.0	10.8	14.4	18.0	19.8	19.8	19.8
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)