

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: P637302

Luminaire Tested: GWS-SA4C-750-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637302  
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-SA4C-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**

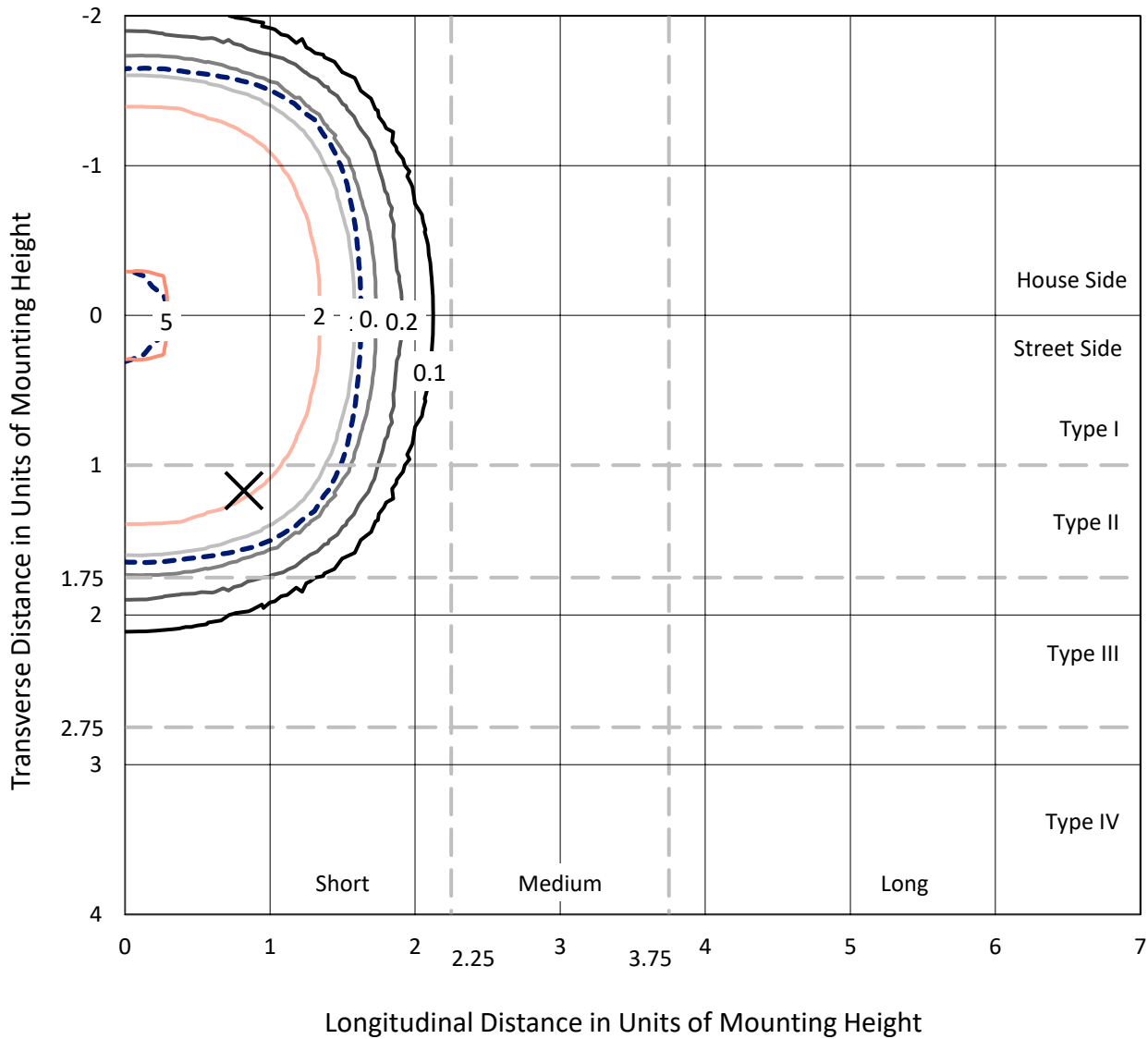
Lumens per Lamp: N/A  
Luminaire Lumens: 18001 lumens  
Efficiency: N/A  
Efficacy: 140.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 128.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



REPORT NUMBER: P637302  
 CATALOG NUMBER: GWS-SA4C-750-U-5NQ-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

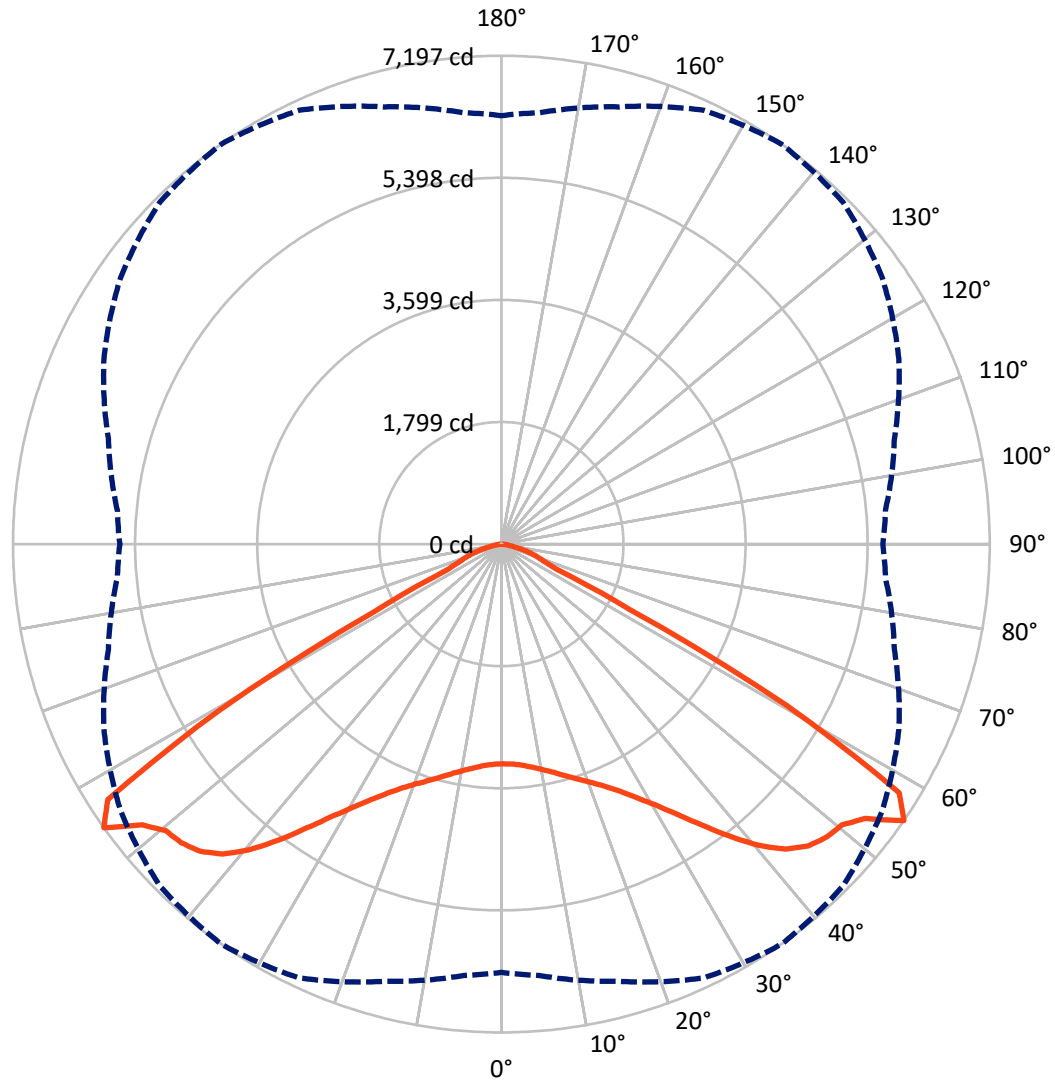
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc  
 Type V - Short - N/A

REPORT NUMBER: P637302  
CATALOG NUMBER: GWS-SA4C-750-U-5NQ-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P637302

CATALOG NUMBER: GWS-SA4C-750-U-5NQ-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9000.5	0.0	9000.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9000.5	0.0	9000.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18001.0	0.0	18001.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	315.9	1.8
10°-20°	1005.7	5.6
20°-30°	1861.3	10.3
30°-40°	3113.5	17.3
40°-50°	4744.5	26.4
50°-60°	5314.8	29.5
60°-70°	1257.5	7.0
70°-80°	339.0	1.9
80°-90°	48.8	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°	18001.0	100.0
0°-180°	18001.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P637302

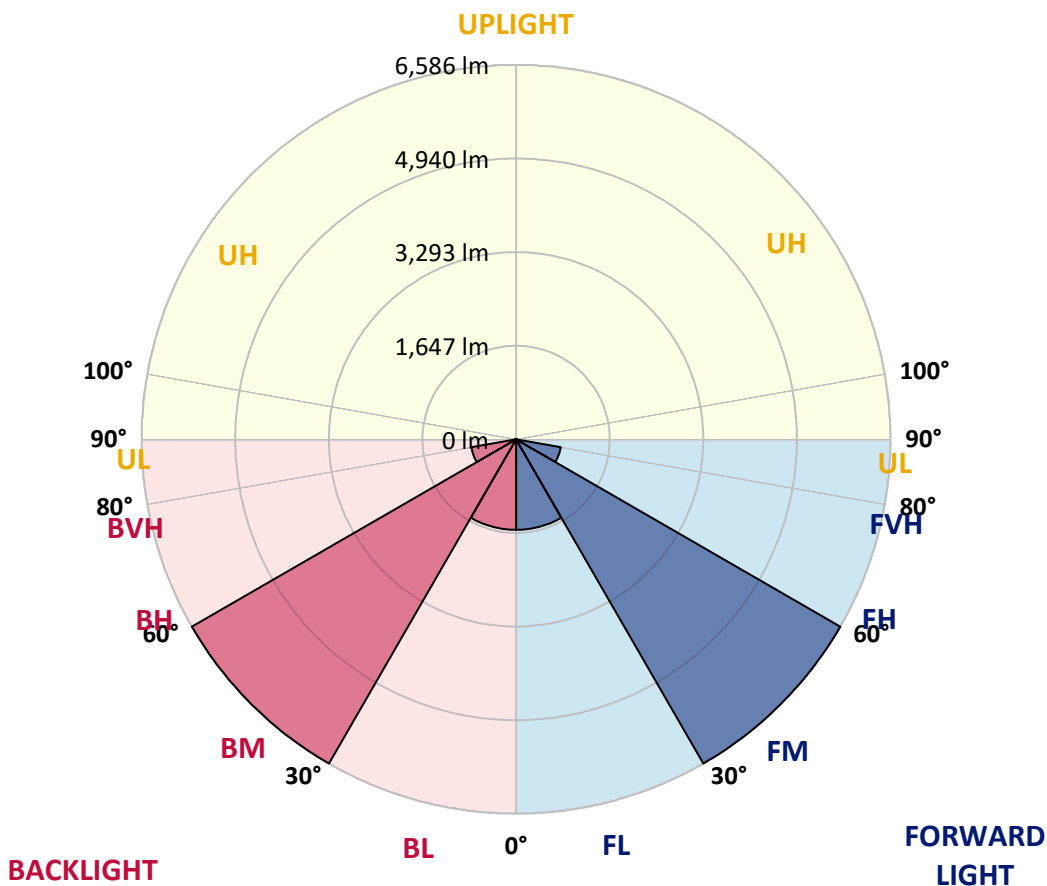
CATALOG NUMBER: GWS-SA4C-750-U-5NQ-W-GRSWH

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1591.4	8.8			
FM (30°-60°)	6586.4	36.6			
FH (60°-80°)	798.3	4.4			G1/1800
FVH (80°-90°)	24.4	0.1			G1/100
BL (0°-30°)	1591.4	8.8	B3/2500		
BM (30°-60°)	6586.4	36.6	B4/8500		
BH (60°-80°)	798.3	4.4	B2/1000		G1/1800
BVH (80°-90°)	24.4	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 <td></td> <td>U0/0</td> <td></td>		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short





REPORT NUMBER: P637302

CATALOG NUMBER: GWS-SA4C-750-U-5NQ-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3238.4	3238.4	3238.4	3238.4	3238.4	3238.4	3238.4	3238.4	3238.4	3238.4	3238.4
2.5°	3231.3	3231.3	3237.0	3244.1	3245.5	3259.8	3256.9	3251.2	3248.4	3242.7	3255.5
5°	3266.9	3268.3	3272.6	3276.9	3274.0	3285.4	3281.1	3274.0	3269.7	3262.6	3275.4
7.5°	3313.9	3313.9	3318.1	3323.8	3321.0	3338.1	3329.5	3319.6	3312.4	3303.9	3315.3
10°	3356.6	3359.4	3363.7	3375.1	3380.8	3399.3	3393.6	3379.4	3368.0	3358.0	3370.8
12.5°	3420.6	3423.5	3427.8	3443.4	3453.4	3471.9	3463.3	3443.4	3426.3	3412.1	3426.3
15°	3503.2	3500.3	3511.7	3531.7	3544.5	3561.6	3551.6	3517.4	3494.7	3476.2	3490.4
17.5°	3587.2	3585.8	3597.1	3622.8	3641.3	3664.1	3647.0	3607.1	3582.9	3560.1	3574.4
20°	3678.3	3682.6	3693.9	3718.1	3745.2	3775.1	3760.8	3718.1	3691.1	3665.5	3676.9
22.5°	3790.7	3792.2	3805.0	3836.3	3871.9	3900.3	3891.8	3839.1	3805.0	3777.9	3792.2
25°	3926.0	3924.5	3941.6	3978.6	4028.5	4056.9	4038.4	3980.1	3943.1	3911.7	3923.1
27.5°	4081.1	4079.7	4105.3	4153.7	4224.9	4264.8	4226.3	4153.7	4102.5	4058.4	4068.3
30°	4276.1	4271.9	4300.3	4365.8	4458.4	4525.3	4468.3	4367.3	4300.3	4253.4	4263.3
32.5°	4492.5	4498.2	4533.8	4622.1	4738.8	4825.6	4740.2	4627.7	4538.1	4469.7	4481.1
35°	4730.2	4730.2	4802.8	4912.4	5079.0	5194.3	5061.9	4899.6	4780.1	4686.1	4689.0
37.5°	4995.0	4997.9	5093.2	5244.1	5461.9	5597.1	5417.8	5217.1	5071.9	4970.8	4965.1
40°	5318.1	5326.7	5424.9	5592.9	5837.7	5961.6	5769.4	5572.9	5424.9	5305.3	5293.9
42.5°	5682.6	5685.4	5789.3	5940.2	6146.6	6220.6	6069.7	5908.9	5787.9	5679.7	5668.3
45°	6029.9	6022.8	6112.4	6224.9	6344.5	6351.6	6267.6	6202.1	6096.8	6004.3	5987.2
47.5°	6300.3	6294.7	6375.8	6437.0	6451.2	6381.5	6408.5	6418.5	6296.1	6170.8	6138.1
50°	6465.5	6476.9	6553.7	6587.9	6503.9	6390.0	6492.5	6466.9	6291.8	6128.1	6075.4
52.5°	6565.1	6582.2	6716.0	6802.8	6716.0	6607.8	6622.1	6471.2	6219.2	6002.8	5934.5
55°	6313.2	6381.5	6670.5	7054.8	7197.1	7121.7	6851.2	6462.6	5995.7	5681.1	5622.8
57.5°	4679.0	4787.2	5215.6	6048.4	6913.9	7188.6	6398.6	5417.8	4710.3	4306.0	4271.9
60°	2388.6	2509.6	2852.7	3708.2	4821.3	5208.5	4456.9	3469.0	2757.3	2429.9	2392.9
62.5°	975.1	995.0	1107.5	1437.7	2131.0	2458.4	2159.4	1516.0	1138.8	1049.1	1050.5
65°	767.3	771.5	765.8	785.8	892.5	990.7	915.3	804.3	784.3	794.3	787.2
67.5°	669.0	670.5	666.2	666.2	670.5	666.2	674.7	679.0	681.8	693.2	686.1
70°	559.4	560.9	560.9	563.7	562.3	555.2	568.0	573.7	575.1	582.2	577.9
72.5°	432.7	437.0	439.9	441.3	439.9	435.6	442.7	452.7	451.2	458.4	451.2
75°	293.2	298.9	301.8	307.5	306.0	306.0	314.6	318.9	314.6	320.3	314.6
77.5°	166.5	170.8	179.4	185.1	190.7	195.0	200.7	203.6	202.1	205.0	202.1
80°	96.8	98.2	105.3	108.2	115.3	122.4	128.1	131.0	132.4	133.8	132.4
82.5°	55.5	56.9	59.8	62.6	68.3	74.0	79.7	84.0	84.0	85.4	84.0
85°	27.0	27.0	28.5	29.9	32.7	37.0	41.3	45.6	47.0	47.0	47.0
87.5°	4.3	4.3	5.7	5.7	7.1	8.5	11.4	14.2	15.7	15.7	15.7
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)