

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: P642253

Luminaire Tested: GWS-SA6C-750-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642253
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-750-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30358.2 lumens
Efficiency: N/A
Efficacy: 160.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

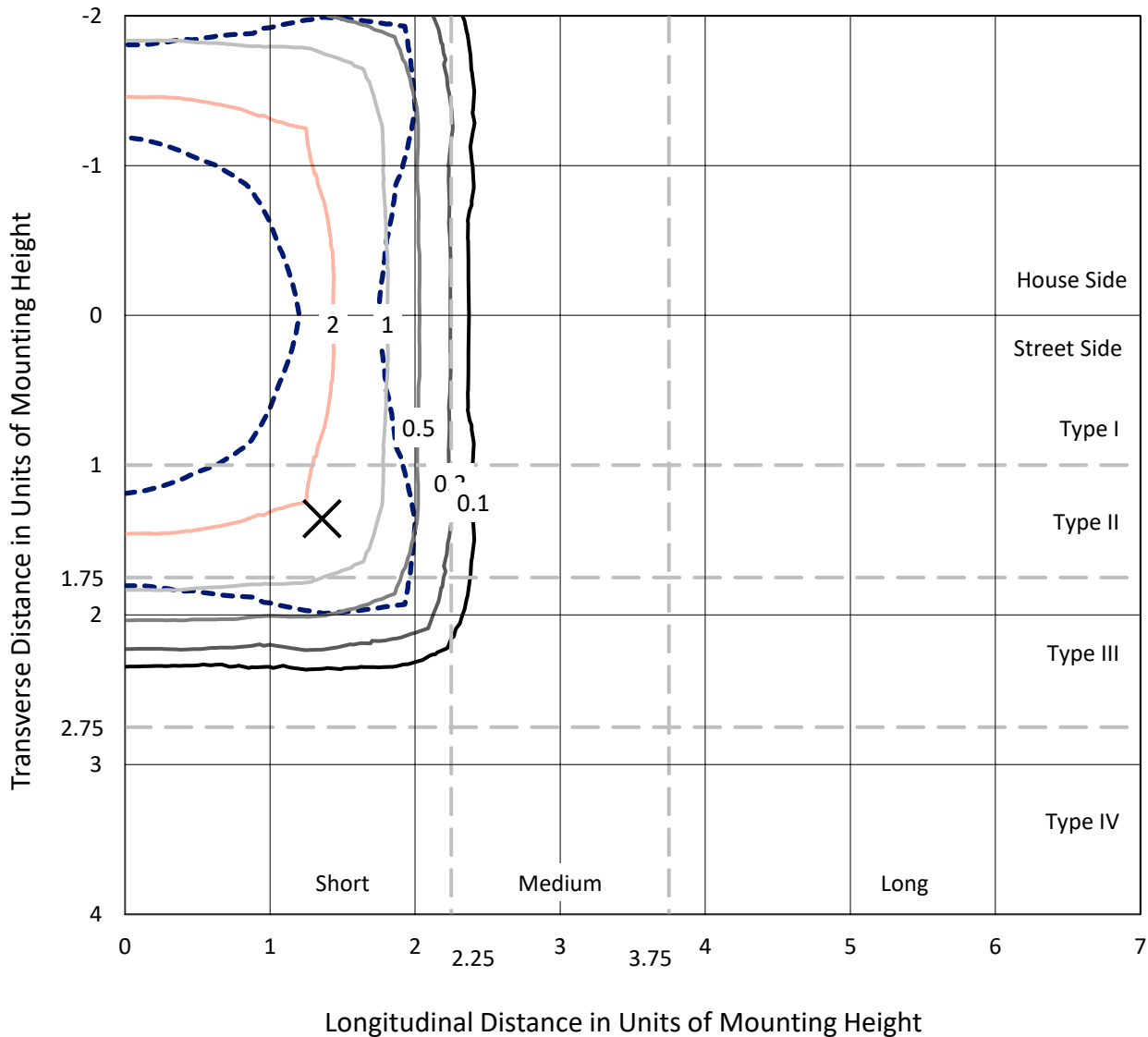
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

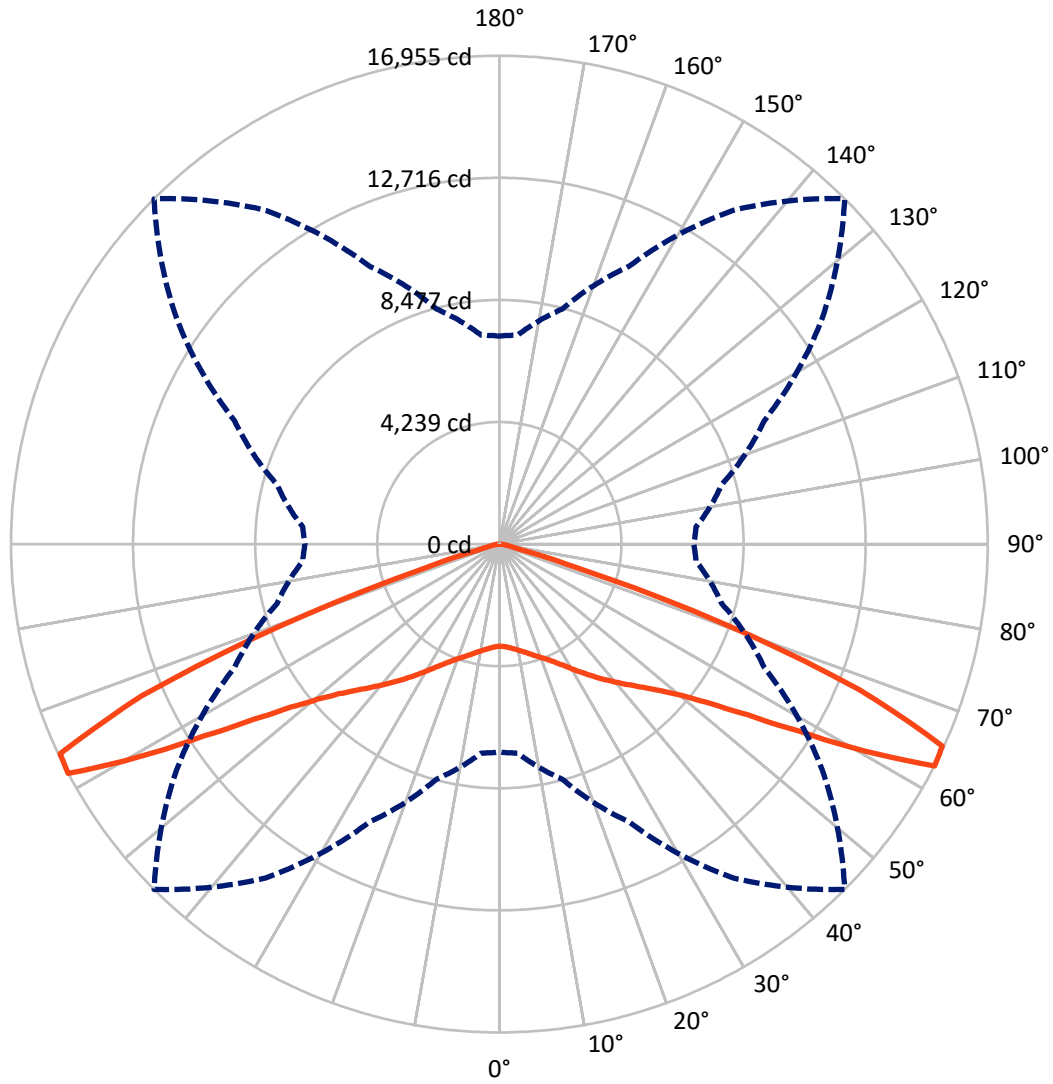
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15179.1	0.0	15179.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15179.1	0.0	15179.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	30358.2	0.0	30358.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.5	1.1
10°-20°	1120.6	3.7
20°-30°	2120.0	7.0
30°-40°	3568.3	11.8
40°-50°	5701.1	18.8
50°-60°	9189.9	30.3
60°-70°	7497.9	24.7
70°-80°	728.1	2.4
80°-90°	84.7	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°	30358.2	100.0
0°-180°	30358.2	100.0

Coefficient of Utilization



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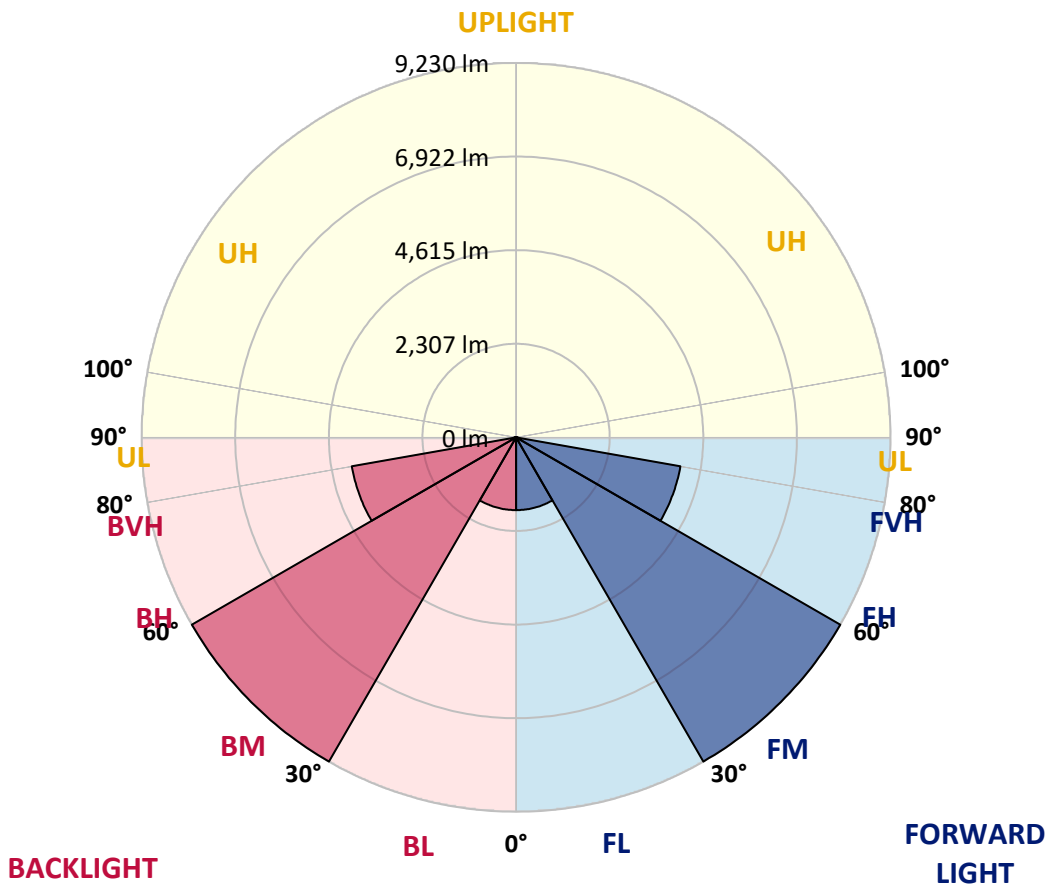
CATALOG NUMBER: GWS-SA6C-750-U-5NQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1794.0	5.9			
FM (30°-60°)	9229.7	30.4			
FH (60°-80°)	4113.0	13.5			G2/5000
FVH (80°-90°)	42.4	0.1			G1/100
BL (0°-30°)	1794.0	5.9	B3/2500		
BM (30°-60°)	9229.7	30.4	B5		
BH (60°-80°)	4113.0	13.5	B4/5000		G2/5000
BVH (80°-90°)	42.4	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3541.7	3541.7	3541.7	3541.7	3541.7	3541.7	3541.7	3541.7	3541.7	3541.7	3541.7
2.5°	3537.5	3537.5	3545.9	3552.1	3547.9	3564.6	3562.5	3558.4	3556.3	3550.0	3568.8
5°	3585.4	3585.4	3591.7	3597.9	3587.5	3608.3	3600.0	3595.8	3593.7	3585.4	3602.1
7.5°	3639.6	3645.8	3647.9	3658.3	3652.0	3674.9	3668.7	3660.4	3656.2	3645.8	3660.4
10°	3699.9	3704.1	3706.2	3724.9	3727.0	3754.1	3747.8	3737.4	3729.1	3718.7	3739.5
12.5°	3781.1	3783.2	3789.5	3812.4	3818.6	3839.4	3837.4	3822.8	3812.4	3797.8	3820.7
15°	3885.2	3887.3	3897.7	3920.6	3931.1	3956.0	3947.7	3924.8	3910.2	3893.6	3912.3
17.5°	3993.5	4001.8	4012.3	4035.2	4049.7	4078.9	4068.5	4043.5	4031.0	4014.3	4026.8
20°	4133.0	4135.1	4141.3	4166.3	4176.7	4210.1	4212.1	4187.2	4180.9	4164.2	4183.0
22.5°	4287.1	4289.2	4295.4	4322.5	4341.2	4362.1	4374.5	4360.0	4349.6	4328.7	4351.6
25°	4457.8	4478.6	4484.9	4518.2	4539.0	4551.5	4566.1	4559.9	4545.3	4520.3	4530.7
27.5°	4697.3	4701.4	4711.8	4749.3	4761.8	4774.3	4788.9	4791.0	4770.1	4741.0	4755.6
30°	4970.0	4967.9	4990.9	5020.0	5030.4	5040.8	5061.6	5074.1	5047.1	5015.8	5030.4
32.5°	5249.0	5274.0	5303.2	5330.2	5324.0	5328.2	5361.5	5384.4	5346.9	5290.7	5303.2
35°	5563.4	5580.1	5617.6	5657.1	5648.8	5642.6	5663.4	5686.3	5634.2	5561.4	5580.1
37.5°	5886.2	5911.2	5967.4	6015.3	6002.8	5973.6	5996.5	6021.5	5971.5	5888.2	5879.9
40°	6246.4	6285.9	6367.1	6406.7	6373.4	6317.2	6356.7	6417.1	6367.1	6271.4	6248.5
42.5°	6669.0	6716.9	6798.1	6858.5	6785.6	6694.0	6760.7	6848.1	6835.6	6708.6	6669.0
45°	7191.7	7222.9	7322.8	7352.0	7243.7	7116.7	7237.5	7370.7	7339.5	7202.1	7150.0
47.5°	7760.1	7808.0	7895.4	7949.6	7774.7	7616.4	7785.1	7964.1	7930.8	7801.7	7741.3
50°	8484.7	8547.1	8661.6	8707.4	8465.9	8284.8	8501.3	8728.3	8663.7	8490.9	8411.8
52.5°	9273.8	9323.8	9519.5	9611.1	9384.1	9188.4	9377.9	9600.7	9463.3	9234.2	9128.0
55°	9969.2	10019.2	10306.5	10610.5	10600.1	10464.8	10560.5	10564.7	10192.0	9813.1	9700.6
57.5°	10119.1	10169.1	10716.7	11512.1	12074.2	12230.4	11949.3	11358.0	10418.9	9754.8	9627.7
60°	9319.6	9375.8	10246.1	11699.5	13548.4	14591.5	13296.4	11341.3	9717.3	8817.8	8697.0
62.5°	7220.8	7281.2	8451.3	10633.4	14143.9	16954.7	13687.9	10148.3	7993.3	6854.4	6748.2
65°	3448.0	3448.0	4934.6	7626.8	12957.1	16898.5	12555.2	7508.1	4811.8	3695.8	3604.2
67.5°	853.7	857.8	1270.1	2969.1	8813.6	13485.9	8957.3	3604.2	1694.8	1199.3	1168.1
70°	533.0	530.9	589.2	803.7	3083.6	8184.8	3662.5	1086.9	689.2	608.0	603.8
72.5°	414.3	414.3	443.5	514.3	807.9	2788.0	1068.1	603.8	499.7	449.7	449.7
75°	326.9	326.9	347.7	385.2	476.8	718.3	568.4	447.7	387.3	354.0	349.8
77.5°	243.6	247.8	264.4	289.4	324.8	403.9	360.2	337.3	301.9	276.9	268.6
80°	158.2	164.5	185.3	199.9	212.4	266.5	235.3	245.7	229.0	199.9	195.7
82.5°	85.4	87.4	112.4	116.6	120.8	145.7	149.9	156.2	162.4	127.0	118.7
85°	31.2	31.2	37.5	43.7	47.9	52.1	70.8	87.4	91.6	72.9	70.8
87.5°	6.2	6.2	6.2	4.2	4.2	4.2	12.5	22.9	37.5	29.1	29.1
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)