

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: P642251

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642251
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20438.7 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

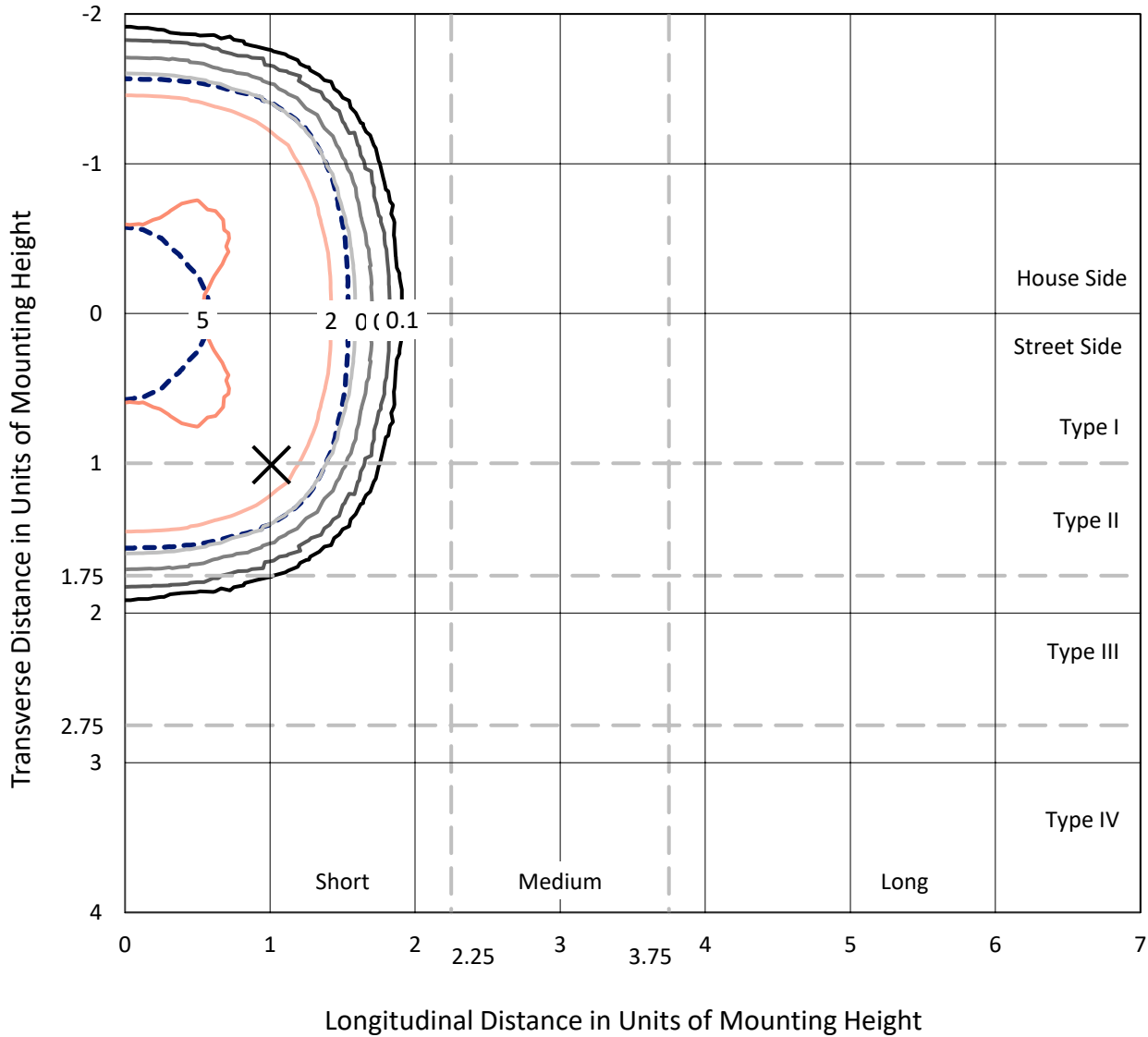
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642251
 CATALOG NUMBER: GWS-SA6C-750-U-5NQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

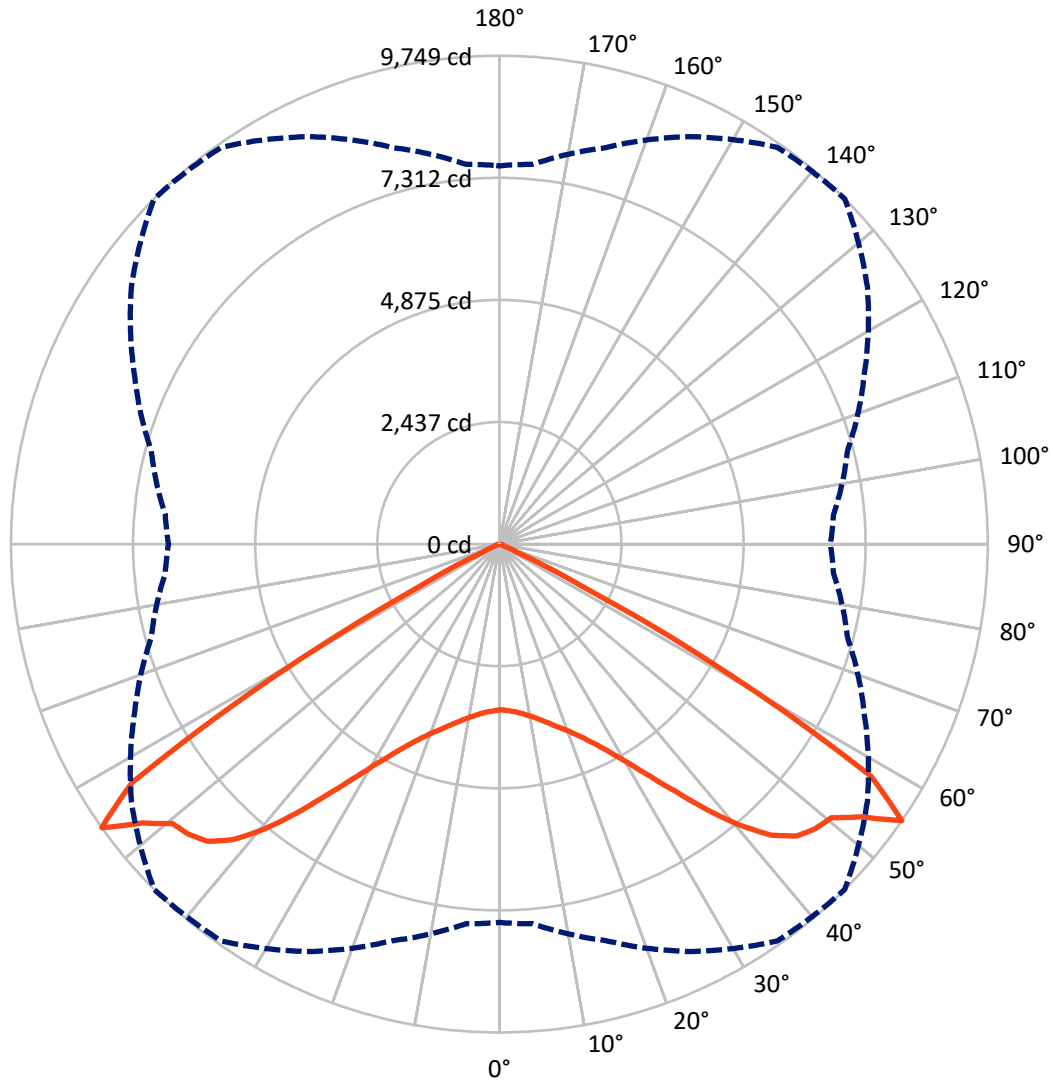
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type V - Short - N/A

REPORT NUMBER: P642251
CATALOG NUMBER: GWS-SA6C-750-U-5NQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P642251

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

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10219.3	0.0	10219.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10219.3	0.0	10219.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	20438.7	0.0	20438.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.8	1.6
10°-20°	1049.5	5.1
20°-30°	2032.6	9.9
30°-40°	3641.4	17.8
40°-50°	6105.1	29.9
50°-60°	6535.2	32.0
60°-70°	718.1	3.5
70°-80°	31.6	0.2
80°-90°	1.5	0.0
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°	20438.7	100.0
0°-180°	20438.7	100.0

Coefficient of Utilization



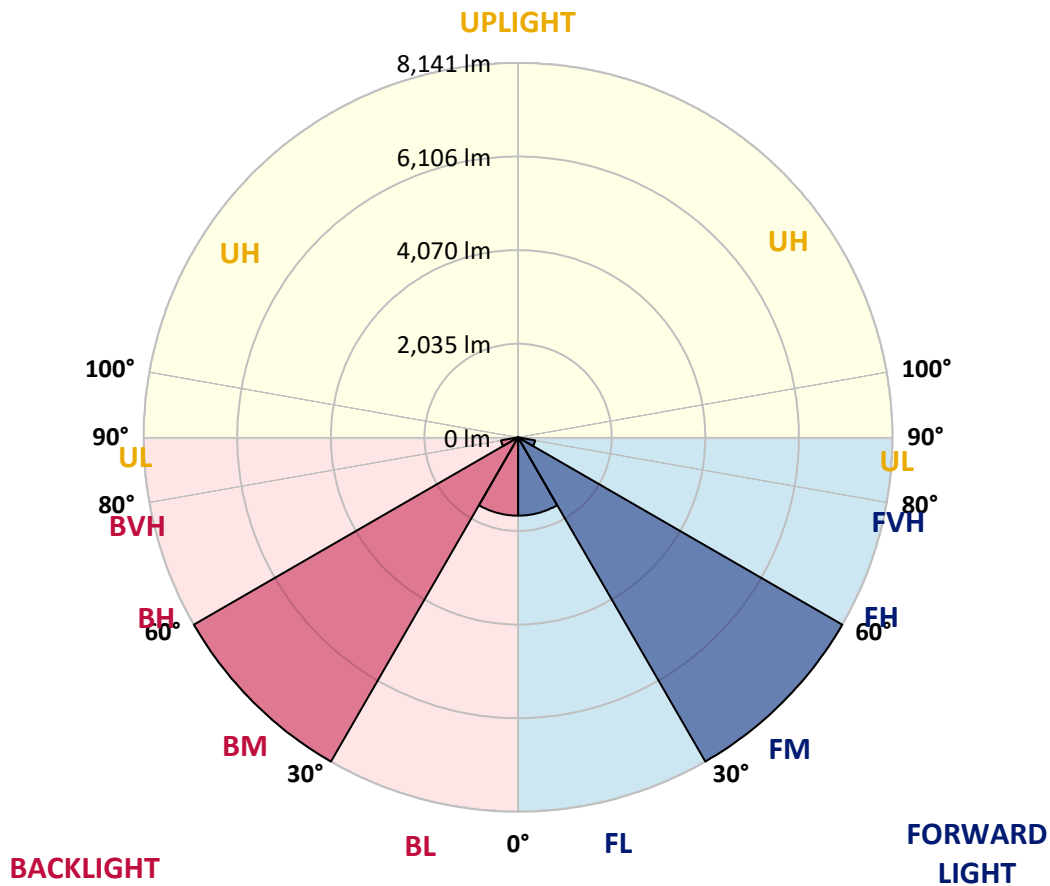
REPORT NUMBER: P642251

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

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1702.9	8.3			
FM (30°-60°)	8140.8	39.8			
FH (60°-80°)	374.9	1.8			G0/660
FVH (80°-90°)	0.7	0.0			G0/10
BL (0°-30°)	1702.9	8.3	B3/2500		
BM (30°-60°)	8140.8	39.8	B4/8500		
BH (60°-80°)	374.9	1.8	B1/500		G0/660
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





REPORT NUMBER: P642251

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3304.5	3304.5	3304.5	3304.5	3304.5	3304.5	3304.5	3304.5	3304.5	3304.5	3304.5
2.5°	3298.3	3298.3	3306.6	3312.9	3312.9	3329.5	3323.3	3317.0	3317.0	3308.7	3325.4
5°	3346.2	3344.1	3352.4	3356.6	3348.3	3364.9	3354.5	3348.3	3344.1	3335.8	3352.4
7.5°	3398.2	3400.3	3402.4	3410.7	3406.6	3423.2	3414.9	3402.4	3398.2	3385.8	3402.4
10°	3460.7	3460.7	3464.9	3475.3	3477.4	3498.2	3489.9	3475.3	3462.8	3450.3	3467.0
12.5°	3539.8	3541.9	3548.2	3562.7	3571.1	3594.0	3581.5	3552.3	3533.6	3519.0	3537.8
15°	3654.4	3652.3	3660.6	3681.4	3691.8	3708.5	3689.8	3650.2	3627.3	3610.6	3623.1
17.5°	3779.3	3779.3	3783.5	3804.3	3818.9	3843.8	3820.9	3773.1	3752.2	3729.3	3741.8
20°	3916.7	3923.0	3927.1	3941.7	3966.7	3991.7	3972.9	3925.1	3902.2	3873.0	3887.6
22.5°	4097.9	4091.6	4093.7	4118.7	4154.1	4179.1	4164.5	4108.3	4068.7	4045.8	4054.2
25°	4299.9	4297.8	4304.0	4341.5	4381.1	4408.1	4387.3	4314.4	4274.9	4235.3	4252.0
27.5°	4547.7	4549.7	4553.9	4599.7	4662.2	4701.7	4649.7	4576.8	4522.7	4470.6	4483.1
30°	4841.3	4837.1	4849.6	4912.0	5003.7	5066.1	5005.7	4903.7	4826.7	4776.7	4782.9
32.5°	5153.6	5157.8	5191.1	5291.0	5411.8	5522.1	5399.3	5263.9	5164.0	5070.3	5082.8
35°	5490.9	5501.3	5576.3	5724.1	5921.9	6069.8	5899.0	5676.2	5534.6	5413.9	5418.0
37.5°	5888.6	5913.6	6017.7	6238.4	6521.6	6719.4	6469.6	6173.9	5990.7	5840.7	5830.3
40°	6411.3	6440.4	6582.0	6844.4	7188.0	7369.1	7079.7	6775.7	6548.7	6386.3	6361.3
42.5°	7011.0	7048.4	7202.5	7471.1	7814.7	7937.6	7654.4	7398.3	7194.2	7002.6	6994.3
45°	7687.7	7708.5	7833.5	8039.6	8287.4	8316.5	8104.1	7962.6	7756.4	7577.3	7562.8
47.5°	8322.8	8343.6	8429.0	8535.2	8593.5	8489.4	8451.9	8389.4	8122.9	7902.2	7856.4
50°	8805.9	8822.5	8928.7	8970.4	8808.0	8587.2	8660.1	8526.8	8237.4	7989.6	7918.8
52.5°	8772.6	8814.2	9087.0	9324.4	9222.3	9043.2	8847.5	8560.2	8110.4	7771.0	7683.5
55°	7552.4	7608.6	8193.7	8974.5	9672.1	9749.1	8966.2	8039.6	7194.2	6696.5	6607.0
57.5°	4853.7	4868.3	5582.5	6677.8	8249.9	8745.5	7435.7	6061.5	5009.9	4462.3	4424.8
60°	1784.5	1755.3	2294.6	3202.5	4751.7	5276.4	4376.9	3065.1	2186.4	1799.1	1767.8
62.5°	428.9	433.1	537.2	805.8	1490.9	1844.9	1457.6	814.2	518.5	435.2	431.0
65°	216.6	212.4	214.5	231.1	318.6	381.1	312.3	220.7	212.4	214.5	212.4
67.5°	139.5	137.4	141.6	143.7	141.6	133.3	131.2	135.3	135.3	137.4	133.3
70°	85.4	83.3	87.5	93.7	89.5	79.1	83.3	87.5	83.3	81.2	81.2
72.5°	45.8	45.8	50.0	54.1	50.0	45.8	45.8	47.9	45.8	45.8	45.8
75°	20.8	20.8	22.9	25.0	20.8	20.8	20.8	20.8	20.8	20.8	20.8
77.5°	6.2	6.2	8.3	8.3	6.2	6.2	6.2	6.2	8.3	8.3	8.3
80°	2.1	4.2	4.2	2.1	2.1	2.1	2.1	2.1	4.2	4.2	4.2
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
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)