

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: P642252

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642252
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-SA6C-750-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26331.3 lumens
Efficiency: N/A
Efficacy: 139.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

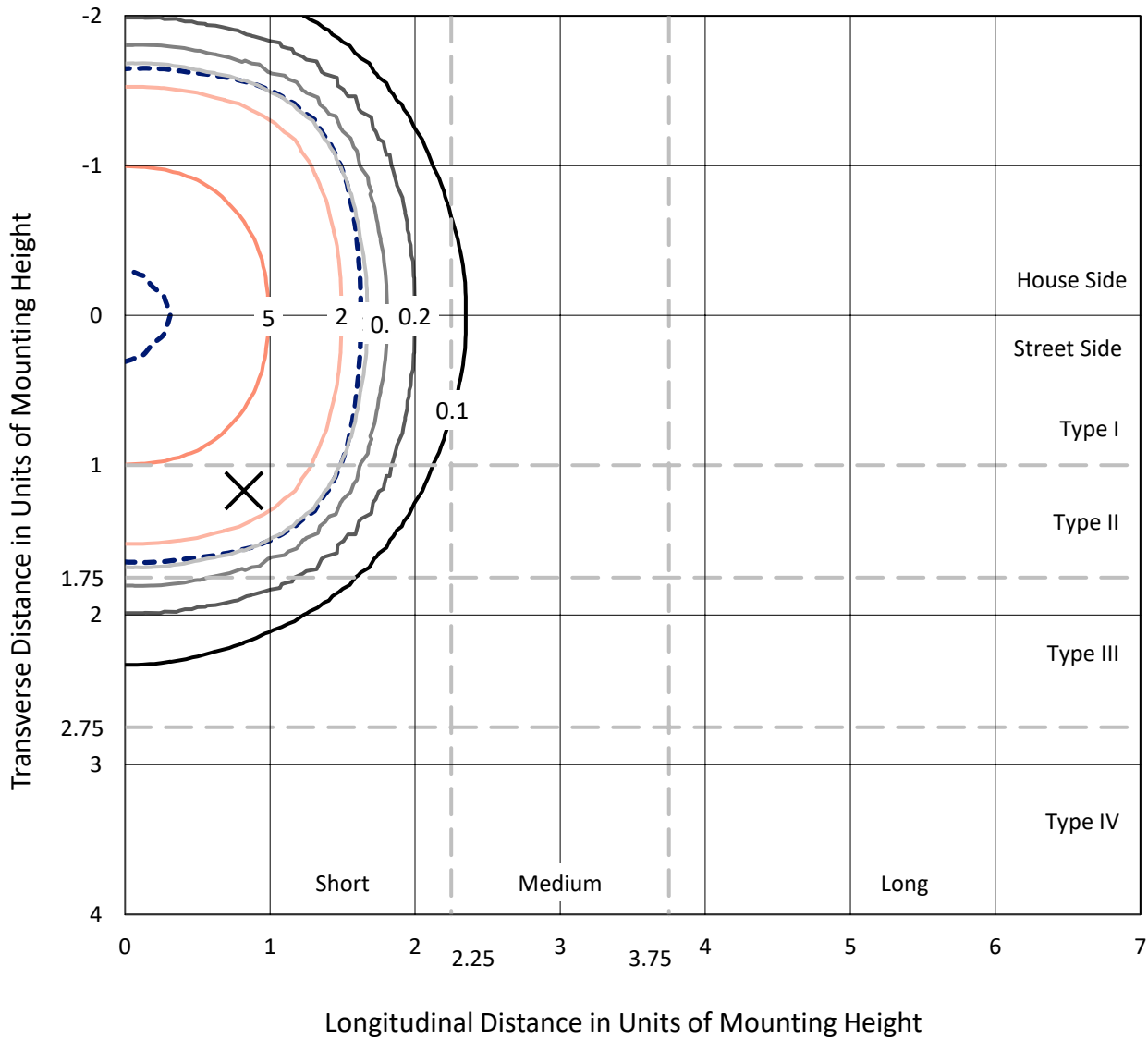
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642252
 CATALOG NUMBER: GWS-SA6C-750-U-5NQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

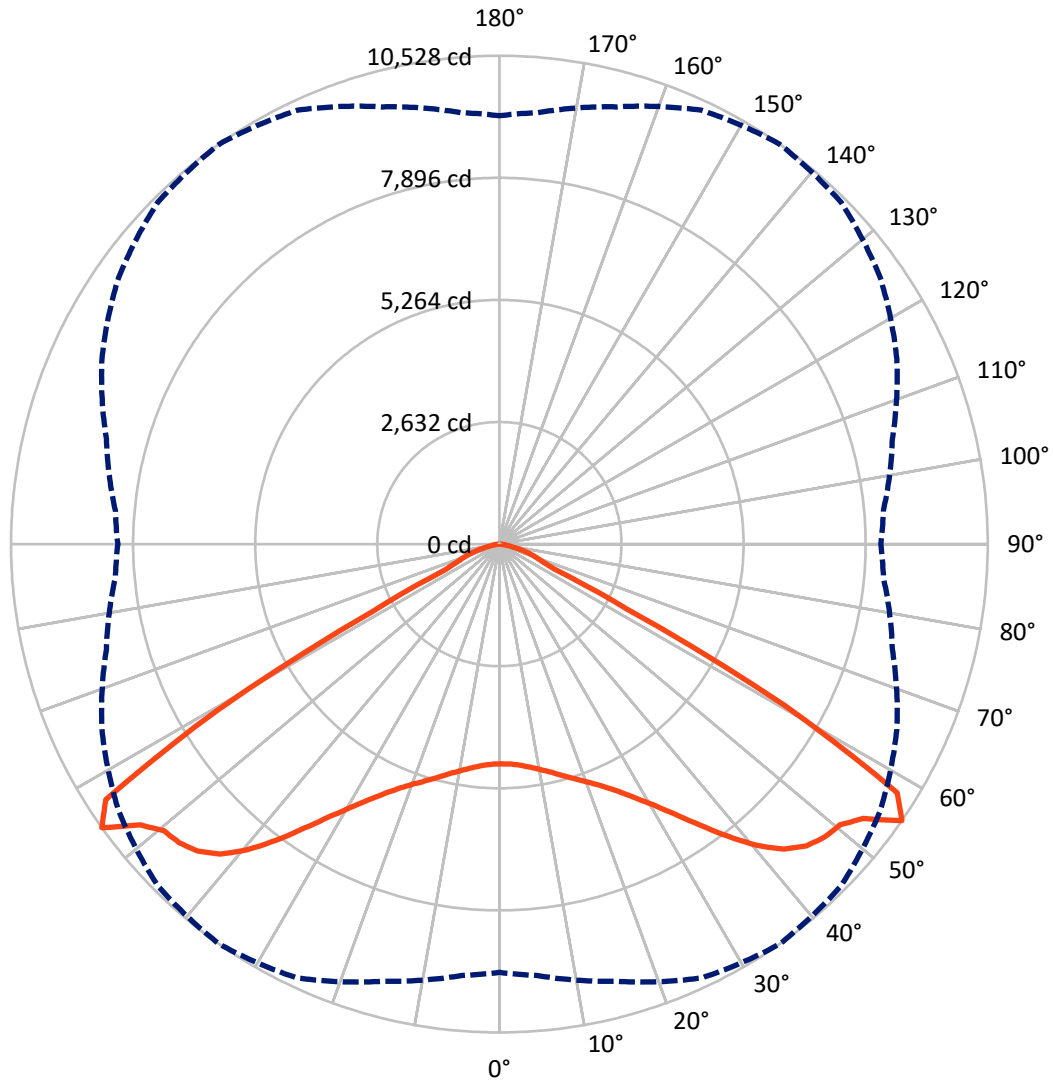
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type V - Short - N/A

REPORT NUMBER: P642252
CATALOG NUMBER: GWS-SA6C-750-U-5NQ-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P642252

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

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13165.7	0.0	13165.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13165.7	0.0	13165.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	26331.3	0.0	26331.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.0	1.8
10°-20°	1471.0	5.6
20°-30°	2722.6	10.3
30°-40°	4554.4	17.3
40°-50°	6940.1	26.4
50°-60°	7774.4	29.5
60°-70°	1839.5	7.0
70°-80°	495.9	1.9
80°-90°	71.4	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°	26331.3	100.0
0°-180°	26331.3	100.0

Coefficient of Utilization



REPORT NUMBER: P642252

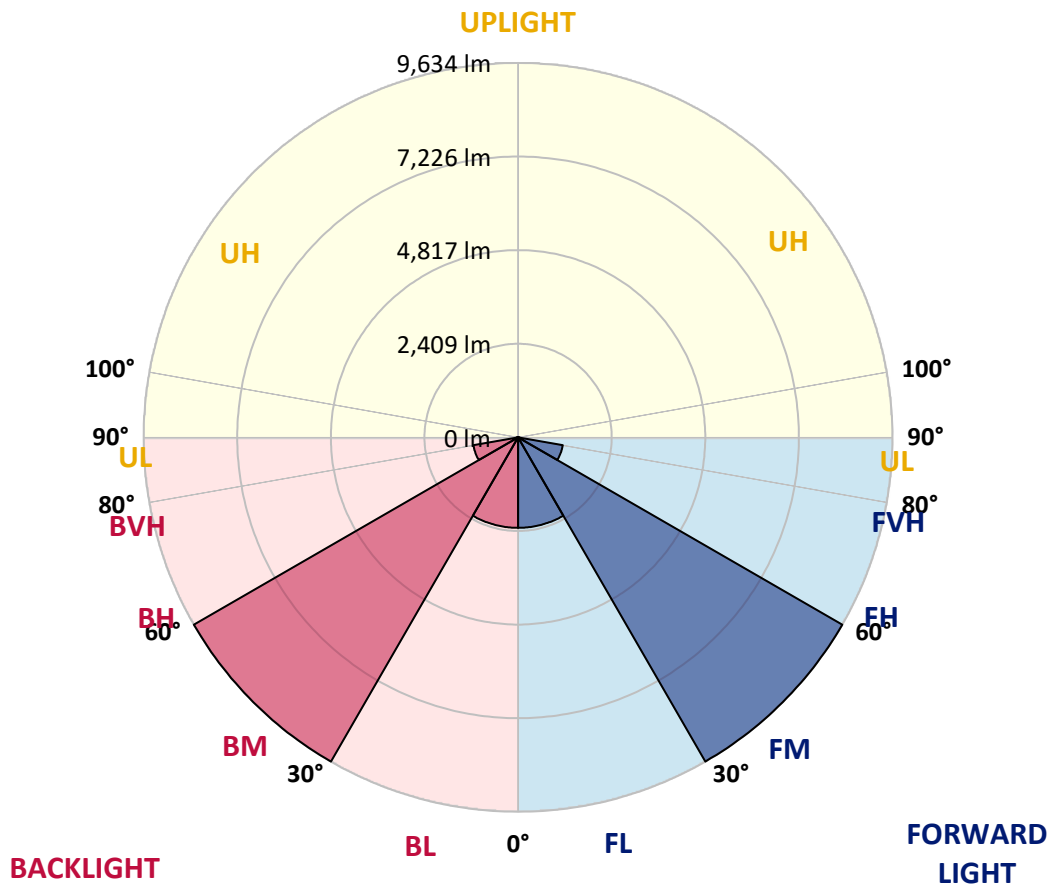
CATALOG NUMBER: GWS-SA6C-750-U-5NQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2327.8	8.8			
FM (30°-60°)	9634.4	36.6			
FH (60°-80°)	1167.7	4.4			G1/1800
FVH (80°-90°)	35.7	0.1			G1/100
BL (0°-30°)	2327.8	8.8	B3/2500		
BM (30°-60°)	9634.4	36.6	B5		
BH (60°-80°)	1167.7	4.4	B3/2500		G1/1800
BVH (80°-90°)	35.7	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-G1

Type V Short





REPORT NUMBER: P642252

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4737.1	4737.1	4737.1	4737.1	4737.1	4737.1	4737.1	4737.1	4737.1	4737.1	4737.1
2.5°	4726.7	4726.7	4735.0	4745.4	4747.5	4768.3	4764.1	4755.8	4751.6	4743.3	4762.1
5°	4778.7	4780.8	4787.0	4793.3	4789.1	4805.8	4799.5	4789.1	4782.9	4772.5	4791.2
7.5°	4847.4	4847.4	4853.7	4862.0	4857.8	4882.8	4870.3	4855.8	4845.3	4832.9	4849.5
10°	4909.9	4914.1	4920.3	4937.0	4945.3	4972.4	4964.0	4943.2	4926.6	4912.0	4930.7
12.5°	5003.6	5007.8	5014.0	5036.9	5051.5	5078.6	5066.1	5036.9	5011.9	4991.1	5011.9
15°	5124.4	5120.2	5136.9	5166.0	5184.8	5209.7	5195.2	5145.2	5111.9	5084.8	5105.6
17.5°	5247.2	5245.1	5261.8	5299.3	5326.3	5359.7	5334.7	5276.4	5241.0	5207.7	5228.5
20°	5380.5	5386.7	5403.4	5438.8	5478.3	5522.1	5501.2	5438.8	5399.2	5361.7	5378.4
22.5°	5545.0	5547.1	5565.8	5611.6	5663.7	5705.3	5692.8	5615.8	5565.8	5526.2	5547.1
25°	5742.8	5740.7	5765.7	5819.8	5892.7	5934.4	5907.3	5821.9	5767.8	5722.0	5738.6
27.5°	5969.8	5967.7	6005.1	6075.9	6180.1	6238.4	6182.1	6075.9	6001.0	5936.4	5951.0
30°	6255.0	6248.8	6290.4	6386.2	6521.5	6619.4	6536.1	6388.3	6290.4	6221.7	6236.3
32.5°	6571.5	6579.8	6631.9	6761.0	6931.7	7058.8	6933.8	6769.3	6638.1	6538.2	6554.9
35°	6919.2	6919.2	7025.4	7185.8	7429.4	7598.1	7404.4	7167.0	6992.1	6854.7	6858.9
37.5°	7306.5	7310.7	7450.2	7670.9	7989.5	8187.3	7925.0	7631.4	7419.0	7271.1	7262.8
40°	7779.2	7791.7	7935.4	8181.1	8539.2	8720.4	8439.3	8151.9	7935.4	7760.5	7743.8
42.5°	8312.3	8316.4	8468.4	8689.1	8991.1	9099.3	8878.6	8643.3	8466.3	8308.1	8291.4
45°	8820.3	8809.9	8941.1	9105.6	9280.5	9290.9	9168.1	9072.3	8918.2	8782.8	8757.9
47.5°	9215.9	9207.6	9326.3	9415.8	9436.7	9334.6	9374.2	9388.8	9209.7	9026.5	8978.6
50°	9457.5	9474.1	9586.6	9636.6	9513.7	9347.1	9497.0	9459.6	9203.5	8964.0	8887.0
52.5°	9603.2	9628.2	9824.0	9951.0	9824.0	9665.7	9686.5	9465.8	9097.3	8780.8	8680.8
55°	9234.7	9334.6	9757.3	10319.5	10527.8	10417.4	10021.8	9453.3	8770.3	8310.2	8224.8
57.5°	6844.3	7002.5	7629.3	8847.4	10113.4	10515.3	9359.6	7925.0	6890.1	6298.7	6248.8
60°	3494.0	3671.0	4172.8	5424.2	7052.5	7618.9	6519.5	5074.4	4033.3	3554.4	3500.2
62.5°	1426.3	1455.5	1620.0	2103.1	3117.1	3596.0	3158.7	2217.6	1665.8	1534.6	1536.7
65°	1122.3	1128.6	1120.2	1149.4	1305.6	1449.2	1338.9	1176.5	1147.3	1161.9	1151.5
67.5°	978.6	980.7	974.5	974.5	980.7	974.5	987.0	993.2	997.4	1014.0	1003.6
70°	818.3	820.4	820.4	824.6	822.5	812.1	830.8	839.1	841.2	851.6	845.4
72.5°	633.0	639.2	643.4	645.5	643.4	637.2	647.6	662.1	660.1	670.5	660.1
75°	428.9	437.3	441.4	449.8	447.7	447.7	460.2	466.4	460.2	468.5	460.2
77.5°	243.6	249.9	262.4	270.7	279.0	285.3	293.6	297.8	295.7	299.8	295.7
80°	141.6	143.7	154.1	158.2	168.7	179.1	187.4	191.6	193.6	195.7	193.6
82.5°	81.2	83.3	87.5	91.6	99.9	108.3	116.6	122.9	122.9	124.9	122.9
85°	39.6	39.6	41.6	43.7	47.9	54.1	60.4	66.6	68.7	68.7	68.7
87.5°	6.2	6.2	8.3	8.3	10.4	12.5	16.7	20.8	22.9	22.9	22.9
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)