

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: P643243

Luminaire Tested: GWS-SA6E-750-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643243
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-SAGE-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: 47860 lumens
Efficiency: N/A
Efficacy: 147.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

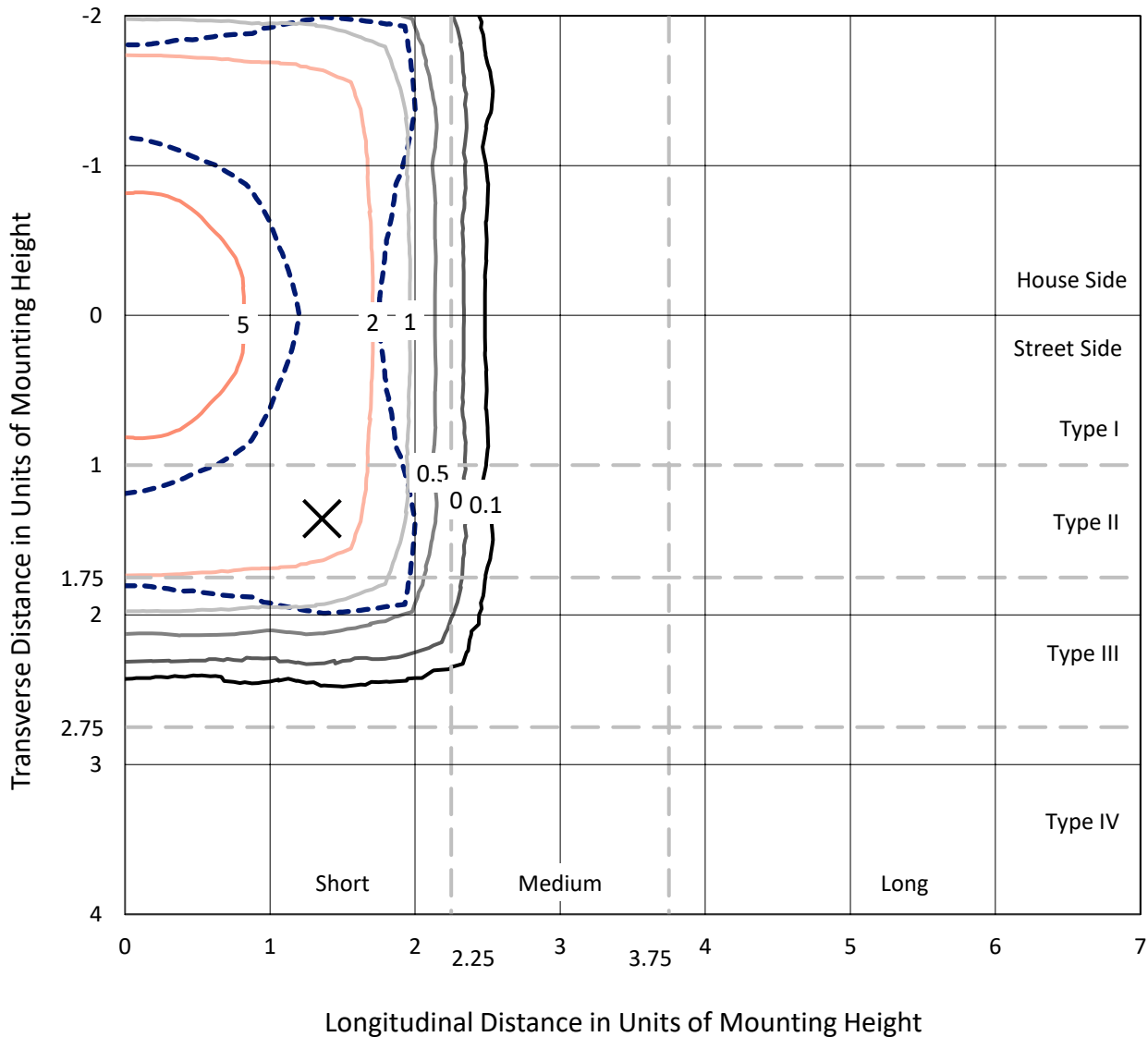
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P643243
 CATALOG NUMBER: GWS-SA6E-750-U-5NQ-W

Iso-Footcandle Lines of Horizontal Illumination

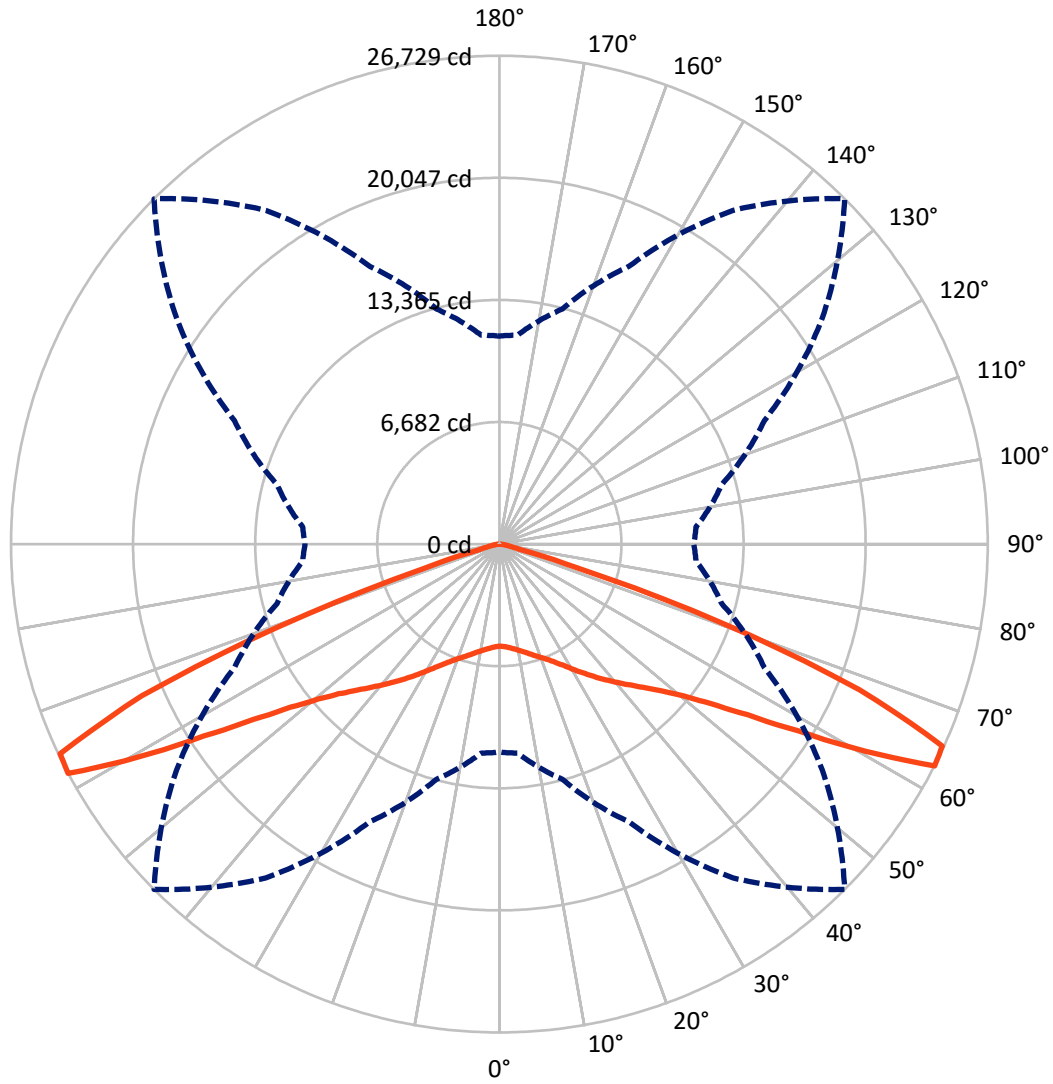
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.3 fc
 Type V - Short - N/A

REPORT NUMBER: P643243
CATALOG NUMBER: GWS-SA6E-750-U-5NQ-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P643243

CATALOG NUMBER: GWS-SA6E-750-U-5NQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23930.0	0.0	23930.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23930.0	0.0	23930.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	47860.0	0.0	47860.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	547.8	1.1
10°-20°	1766.6	3.7
20°-30°	3342.2	7.0
30°-40°	5625.5	11.8
40°-50°	8987.9	18.8
50°-60°	14488.0	30.3
60°-70°	11820.6	24.7
70°-80°	1147.9	2.4
80°-90°	133.6	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°	47860.0	100.0
0°-180°	47860.0	100.0

Coefficient of Utilization



REPORT NUMBER: P643243

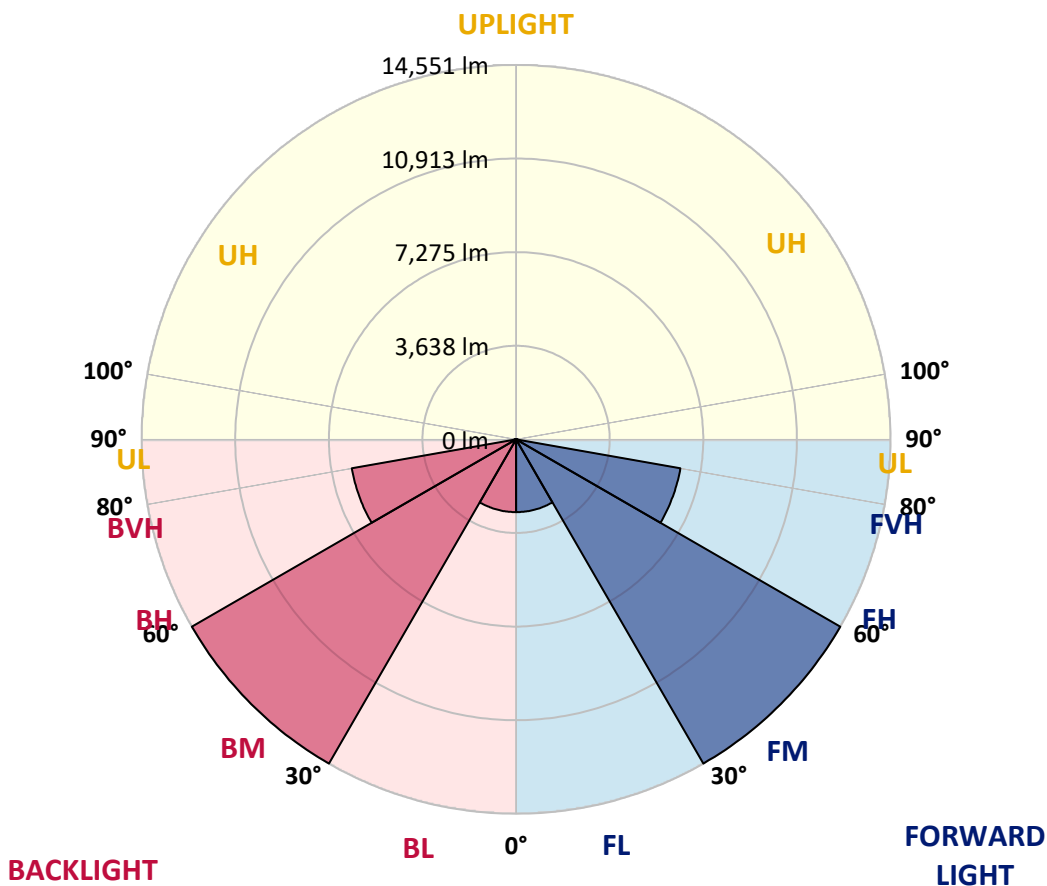
CATALOG NUMBER: GWS-SA6E-750-U-5NQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2828.3	5.9			
FM (30°-60°)	14550.7	30.4			
FH (60°-80°)	6484.2	13.5			G3/7500
FVH (80°-90°)	66.8	0.1			G1/100
BL (0°-30°)	2828.3	5.9	B4/5000		
BM (30°-60°)	14550.7	30.4	B5		
BH (60°-80°)	6484.2	13.5	B5		G3/7500
BVH (80°-90°)	66.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





REPORT NUMBER: P643243
 CATALOG NUMBER: GWS-SA6E-750-U-5NQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5583.5	5583.5	5583.5	5583.5	5583.5	5583.5	5583.5	5583.5	5583.5	5583.5	5583.5
2.5°	5576.9	5576.9	5590.1	5599.9	5593.4	5619.6	5616.3	5609.8	5606.5	5596.6	5626.2
5°	5652.4	5652.4	5662.3	5672.1	5655.7	5688.6	5675.4	5668.9	5665.6	5652.4	5678.7
7.5°	5737.8	5747.6	5750.9	5767.3	5757.5	5793.6	5783.7	5770.6	5764.1	5747.6	5770.6
10°	5833.0	5839.5	5842.8	5872.4	5875.7	5918.3	5908.5	5892.1	5878.9	5862.5	5895.4
12.5°	5961.0	5964.3	5974.1	6010.2	6020.1	6052.9	6049.6	6026.7	6010.2	5987.3	6023.4
15°	6125.1	6128.4	6144.8	6180.9	6197.3	6236.7	6223.6	6187.5	6164.5	6138.3	6167.8
17.5°	6295.8	6308.9	6325.4	6361.5	6384.4	6430.4	6414.0	6374.6	6354.9	6328.6	6348.3
20°	6515.7	6519.0	6528.9	6568.3	6584.7	6637.2	6640.5	6601.1	6591.2	6565.0	6594.5
22.5°	6758.6	6761.9	6771.8	6814.4	6844.0	6876.8	6896.5	6873.5	6857.1	6824.3	6860.4
25°	7027.8	7060.6	7070.5	7123.0	7155.8	7175.5	7198.5	7188.7	7165.7	7126.3	7142.7
27.5°	7405.3	7411.9	7428.3	7487.4	7507.1	7526.7	7549.7	7553.0	7520.2	7474.2	7497.2
30°	7835.3	7832.0	7868.1	7914.1	7930.5	7946.9	7979.7	7999.4	7956.8	7907.5	7930.5
32.5°	8275.2	8314.5	8360.5	8403.2	8393.3	8399.9	8452.4	8488.5	8429.4	8340.8	8360.5
35°	8770.8	8797.1	8856.2	8918.5	8905.4	8895.5	8928.4	8964.5	8882.4	8767.5	8797.1
37.5°	9279.6	9319.0	9407.6	9483.1	9463.4	9417.5	9453.6	9493.0	9414.2	9282.9	9269.7
40°	9847.5	9909.8	10037.9	10100.2	10047.7	9959.1	10021.4	10116.6	10037.9	9886.9	9850.8
42.5°	10513.8	10589.3	10717.3	10812.5	10697.6	10553.2	10658.2	10796.1	10776.4	10576.2	10513.8
45°	11337.7	11387.0	11544.5	11590.5	11419.8	11219.5	11409.9	11620.0	11570.8	11354.1	11272.1
47.5°	12233.8	12309.3	12447.2	12532.5	12256.8	12007.3	12273.2	12555.5	12503.0	12299.5	12204.3
50°	13376.1	13474.6	13655.2	13727.4	13346.6	13061.0	13402.4	13760.2	13658.4	13386.0	13261.3
52.5°	14620.2	14699.0	15007.5	15152.0	14794.2	14485.6	14784.3	15135.6	14918.9	14557.8	14390.4
55°	15716.6	15795.3	16248.3	16727.6	16711.2	16497.8	16648.8	16655.4	16067.8	15470.4	15293.1
57.5°	15952.9	16031.7	16895.0	18148.9	19035.2	19281.3	18838.2	17906.0	16425.6	15378.5	15178.2
60°	14692.4	14781.0	16153.1	18444.3	21359.2	23003.7	20962.0	17879.7	15319.4	13901.3	13711.0
62.5°	11383.7	11478.9	13323.6	16763.7	22298.0	26729.3	21579.1	15998.9	12601.5	10806.0	10638.5
65°	5435.8	5435.8	7779.5	12023.8	20426.9	26640.7	19793.4	11836.7	7585.8	5826.4	5682.0
67.5°	1345.8	1352.4	2002.3	4680.8	13894.8	21260.7	14121.3	5682.0	2671.9	1890.7	1841.5
70°	840.3	837.0	928.9	1267.0	4861.4	12903.5	5773.9	1713.5	1086.5	958.5	951.9
72.5°	653.2	653.2	699.2	810.8	1273.6	4395.3	1683.9	951.9	787.8	709.0	709.0
75°	515.4	515.4	548.2	607.3	751.7	1132.5	896.1	705.7	610.5	558.0	551.5
77.5°	384.1	390.6	416.9	456.3	512.1	636.8	567.9	531.8	476.0	436.6	423.4
80°	249.5	259.3	292.1	315.1	334.8	420.2	370.9	387.3	361.1	315.1	308.6
82.5°	134.6	137.9	177.3	183.8	190.4	229.8	236.3	246.2	256.0	200.2	187.1
85°	49.2	49.2	59.1	68.9	75.5	82.1	111.6	137.9	144.4	114.9	111.6
87.5°	9.8	9.8	9.8	6.6	6.6	6.6	19.7	36.1	59.1	46.0	46.0
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)