

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: P642255

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642255
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-750-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 24530.2 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

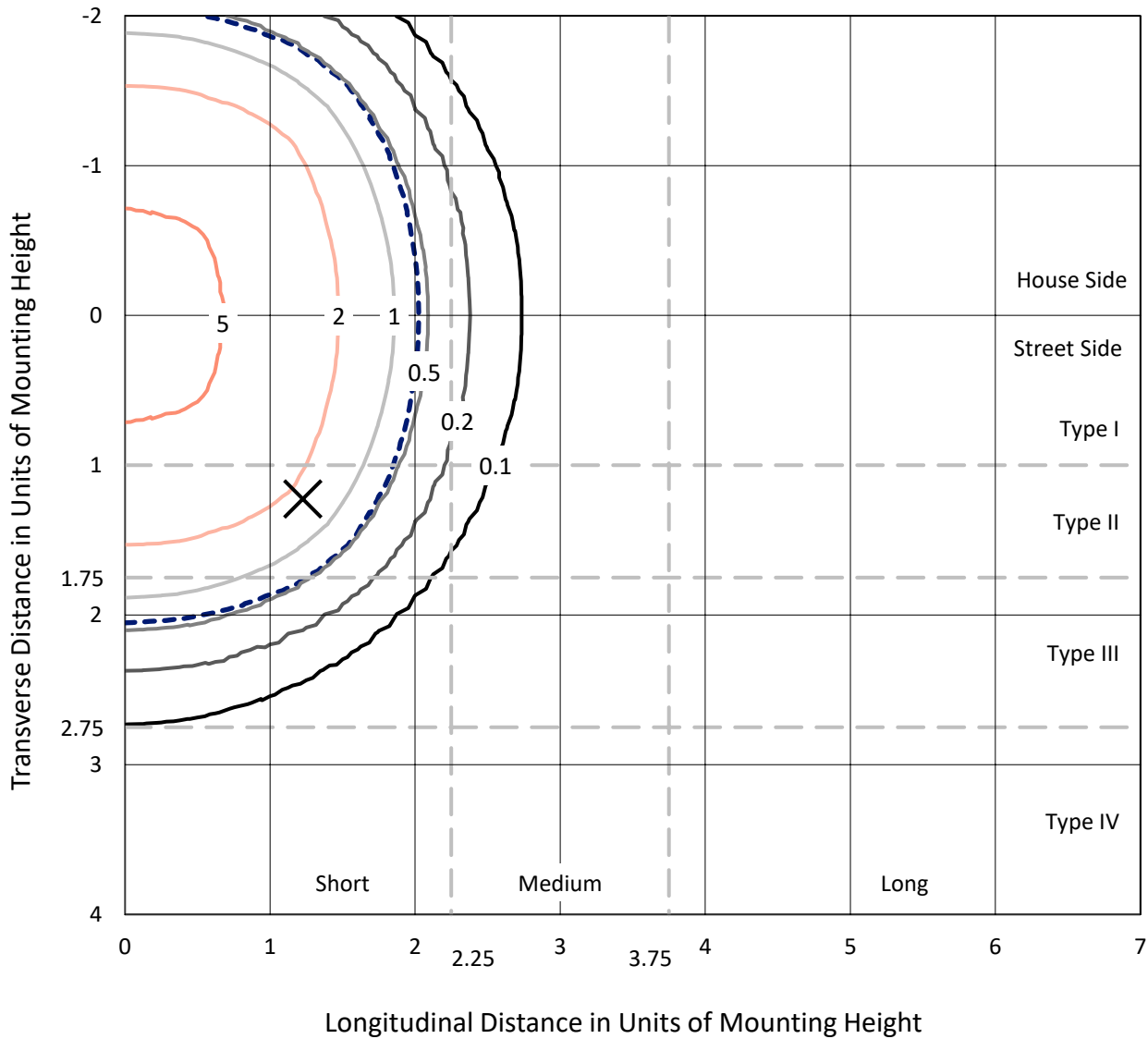
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

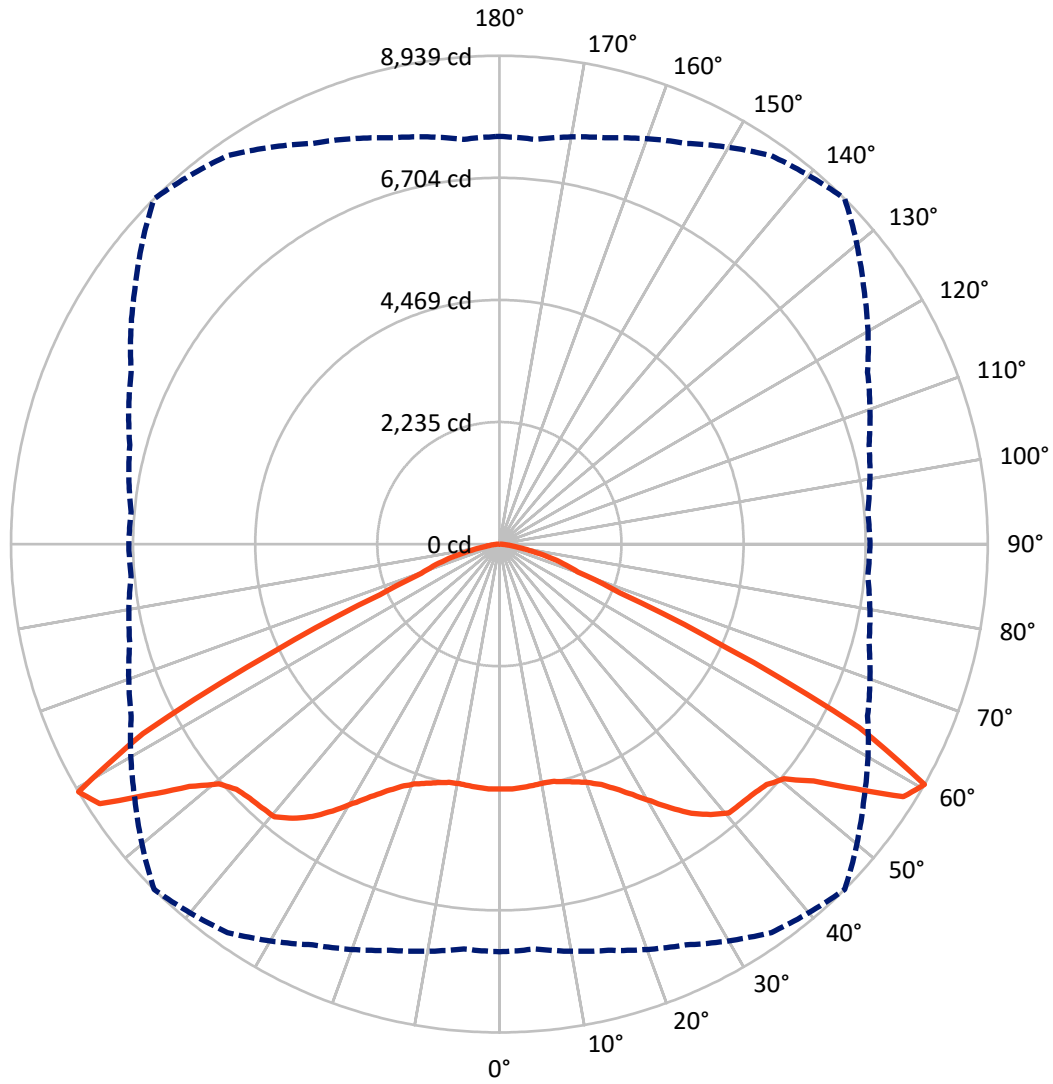
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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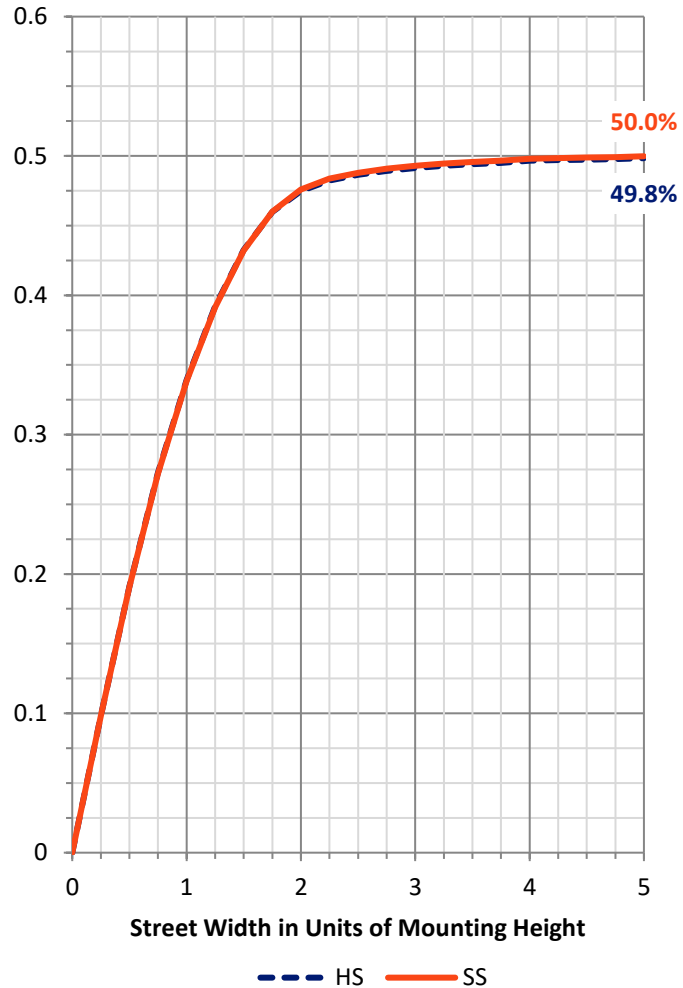
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12265.1	0.0	12265.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12265.1	0.0	12265.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	24530.2	0.0	24530.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	425.1	1.7
10°-20°	1278.7	5.2
20°-30°	2262.3	9.2
30°-40°	3642.4	14.8
40°-50°	5006.4	20.4
50°-60°	6671.5	27.2
60°-70°	4158.0	17.0
70°-80°	956.1	3.9
80°-90°	129.7	0.5
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°	24530.2	100.0
0°-180°	24530.2	100.0

Coefficient of Utilization



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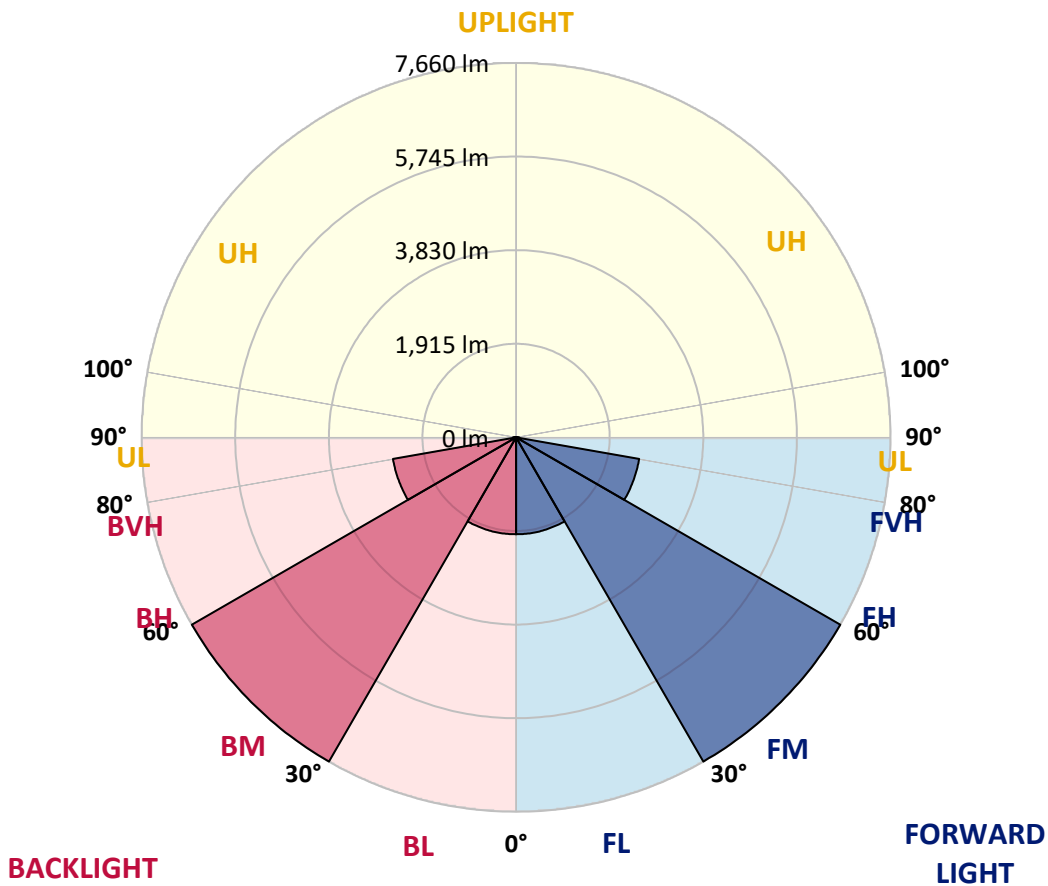
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1983.1	8.1			
FM (30°-60°)	7660.1	31.2			
FH (60°-80°)	2557.1	10.4			G2/5000
FVH (80°-90°)	64.9	0.3			G1/100
BL (0°-30°)	1983.1	8.1	B3/2500		
BM (30°-60°)	7660.1	31.2	B4/8500		
BH (60°-80°)	2557.1	10.4	B4/5000		G2/5000
BVH (80°-90°)	64.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4482.9	4482.9	4482.9	4482.9	4482.9	4482.9	4482.9	4482.9	4482.9	4482.9	4482.9
2.5°	4451.6	4455.8	4464.1	4470.4	4478.7	4487.0	4491.2	4482.9	4478.7	4462.0	4480.8
5°	4455.8	4460.0	4466.2	4466.2	4468.3	4474.5	4474.5	4464.1	4453.7	4435.0	4455.8
7.5°	4449.5	4453.7	4455.8	4453.7	4455.8	4457.9	4453.7	4441.2	4430.8	4414.1	4430.8
10°	4439.1	4443.3	4447.5	4443.3	4439.1	4445.4	4445.4	4437.1	4430.8	4414.1	4432.9
12.5°	4462.0	4468.3	4470.4	4460.0	4455.8	4457.9	4457.9	4449.5	4449.5	4435.0	4455.8
15°	4516.2	4520.3	4514.1	4501.6	4503.7	4509.9	4495.4	4474.5	4470.4	4464.1	4480.8
17.5°	4557.8	4562.0	4555.7	4547.4	4562.0	4576.6	4549.5	4509.9	4497.4	4493.3	4512.0
20°	4603.6	4609.9	4601.5	4612.0	4641.1	4657.8	4624.4	4570.3	4545.3	4539.1	4562.0
22.5°	4678.6	4686.9	4686.9	4709.8	4753.5	4780.6	4739.0	4666.1	4628.6	4618.2	4641.1
25°	4797.3	4803.5	4809.8	4855.6	4926.4	4963.8	4897.2	4797.3	4745.2	4728.6	4741.0
27.5°	4961.8	4972.2	4982.6	5049.2	5136.7	5190.8	5095.0	4970.1	4905.5	4872.2	4897.2
30°	5157.5	5172.0	5197.0	5272.0	5394.8	5455.2	5332.4	5180.4	5107.5	5072.1	5105.4
32.5°	5424.0	5426.1	5444.8	5528.1	5690.5	5759.2	5605.1	5436.5	5361.5	5319.9	5338.6
35°	5740.5	5742.6	5713.4	5798.8	5973.7	6050.7	5869.6	5698.8	5636.4	5623.9	5671.8
37.5°	6065.3	6046.6	6017.4	6054.9	6231.9	6281.8	6090.3	5944.5	5917.5	5940.4	6011.2
40°	6296.4	6265.2	6206.9	6233.9	6413.0	6471.3	6267.3	6129.8	6121.5	6177.7	6263.1
42.5°	6446.3	6413.0	6344.3	6344.3	6467.1	6492.1	6333.9	6261.0	6279.8	6344.3	6425.5
45°	6519.2	6500.5	6460.9	6440.1	6508.8	6519.2	6398.4	6369.3	6404.7	6435.9	6498.4
47.5°	6575.4	6575.4	6562.9	6542.1	6573.3	6579.6	6490.0	6481.7	6527.5	6527.5	6569.2
50°	6675.4	6685.8	6702.4	6698.3	6731.6	6752.4	6685.8	6673.3	6692.0	6631.6	6652.5
52.5°	6937.7	6964.8	7012.7	7050.1	7135.5	7200.1	7081.4	6981.4	6883.6	6750.3	6754.5
55°	7408.3	7420.8	7514.5	7624.8	7768.5	7899.7	7656.0	7345.8	7133.4	6977.3	6979.4
57.5°	7806.0	7824.7	7962.1	8193.2	8516.0	8720.0	8180.7	7662.3	7362.5	7170.9	7177.2
60°	7462.4	7437.4	7697.7	8093.3	8678.4	8938.7	8143.3	7435.3	7004.3	6767.0	6783.6
62.5°	5773.8	5725.9	6015.3	6429.7	7131.3	7391.6	6658.7	5979.9	5571.8	5386.5	5359.4
65°	3514.7	3470.9	3679.2	3933.2	4407.9	4572.4	4237.2	3877.0	3520.9	3408.5	3377.2
67.5°	1913.5	1907.2	1963.5	2088.4	2296.6	2373.6	2309.1	2138.4	2046.7	1967.6	1967.6
70°	1517.9	1505.4	1495.0	1497.1	1515.8	1526.2	1528.3	1520.0	1530.4	1532.5	1524.1
72.5°	1257.6	1253.5	1232.6	1234.7	1226.4	1222.2	1236.8	1245.1	1261.8	1263.9	1263.9
75°	912.0	901.6	912.0	914.1	905.7	905.7	916.1	914.1	922.4	926.6	903.7
77.5°	518.5	518.5	533.0	549.7	562.2	562.2	572.6	572.6	583.0	580.9	576.8
80°	285.3	285.3	293.6	304.0	316.5	329.0	339.4	341.5	347.7	345.6	339.4
82.5°	162.4	164.5	168.7	174.9	187.4	197.8	208.2	210.3	216.5	216.5	210.3
85°	77.0	75.0	77.0	81.2	87.5	95.8	106.2	112.4	116.6	116.6	112.4
87.5°	14.6	16.7	14.6	16.7	18.7	25.0	29.2	33.3	39.6	41.6	37.5
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)