

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: P638294

Luminaire Tested: GWS-SA4E-750-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P638294
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4E-750-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16473.8 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 202.6
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

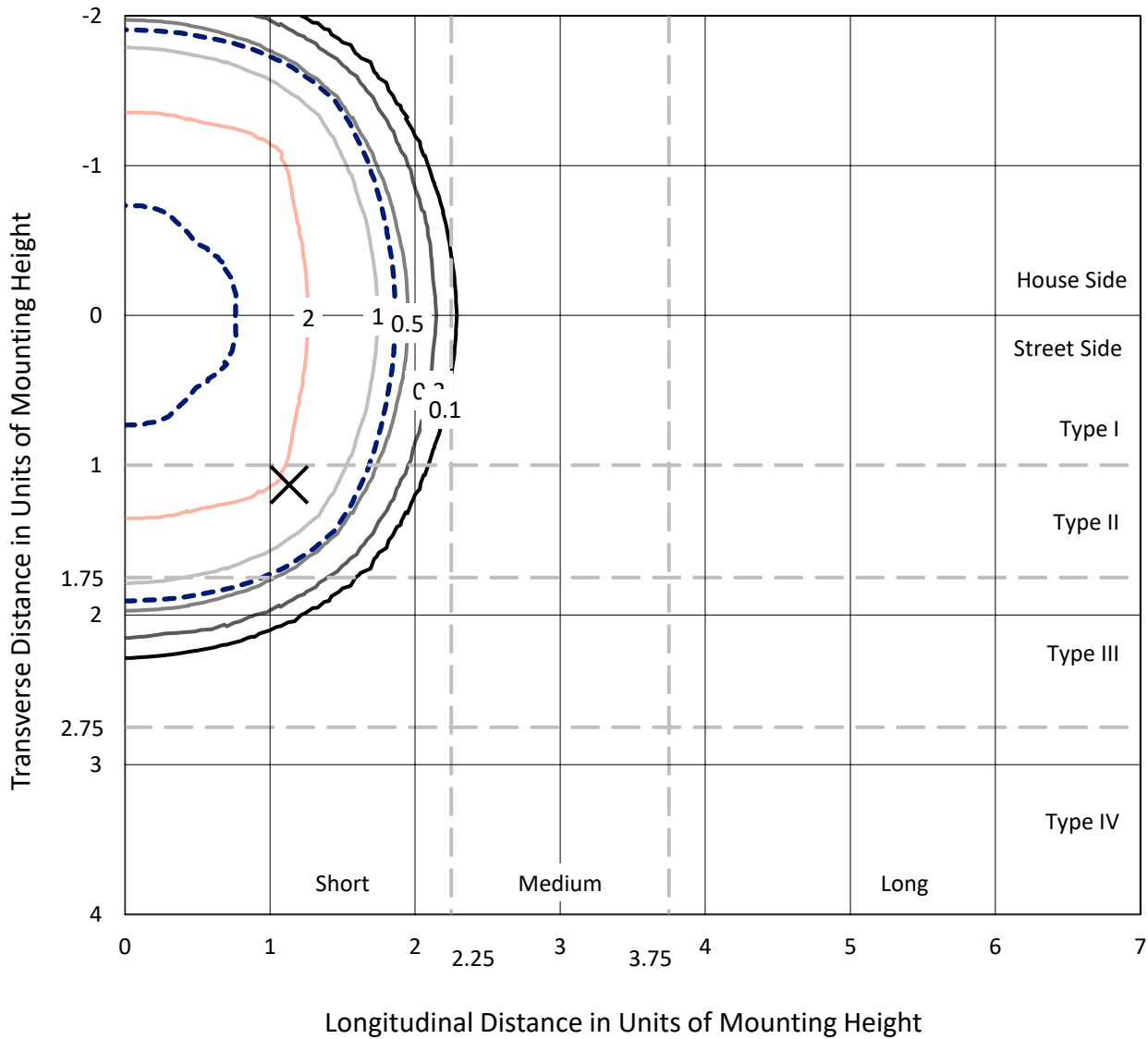


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Iso-Footcandle Lines of Horizontal Illumination

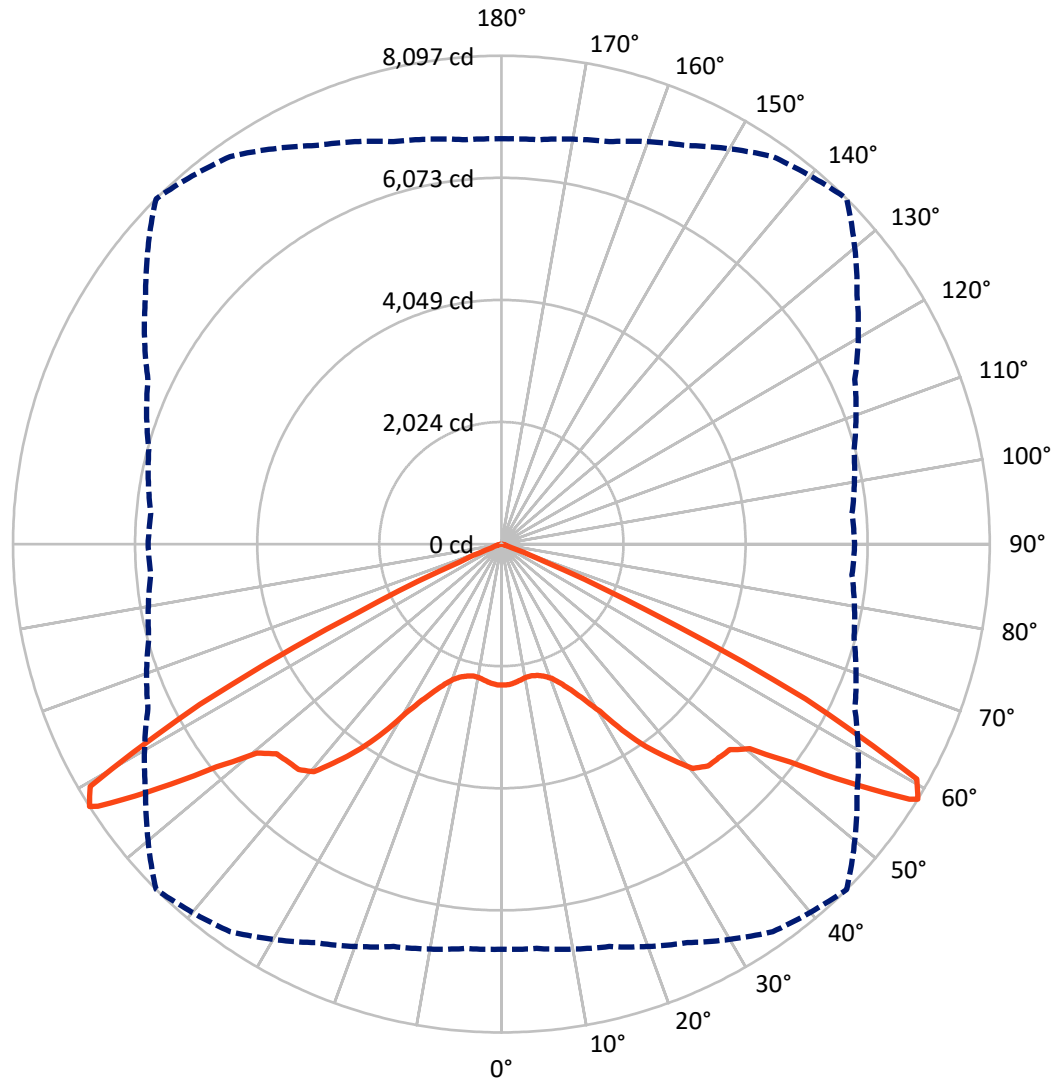
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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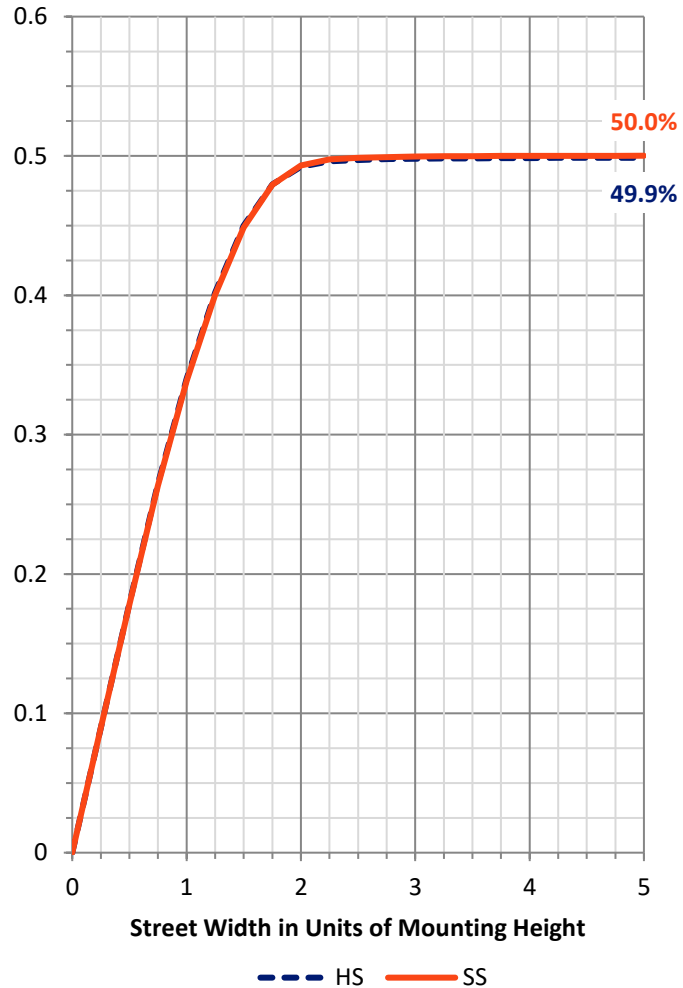
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8236.9	0.0	8236.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8236.9	0.0	8236.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	16473.8	0.0	16473.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.0	1.3
10°-20°	645.0	3.9
20°-30°	1219.8	7.4
30°-40°	2405.7	14.6
40°-50°	3807.0	23.1
50°-60°	5596.1	34.0
60°-70°	2497.9	15.2
70°-80°	83.7	0.5
80°-90°	0.7	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°	16473.8	100.0
0°-180°	16473.8	100.0

Coefficient of Utilization



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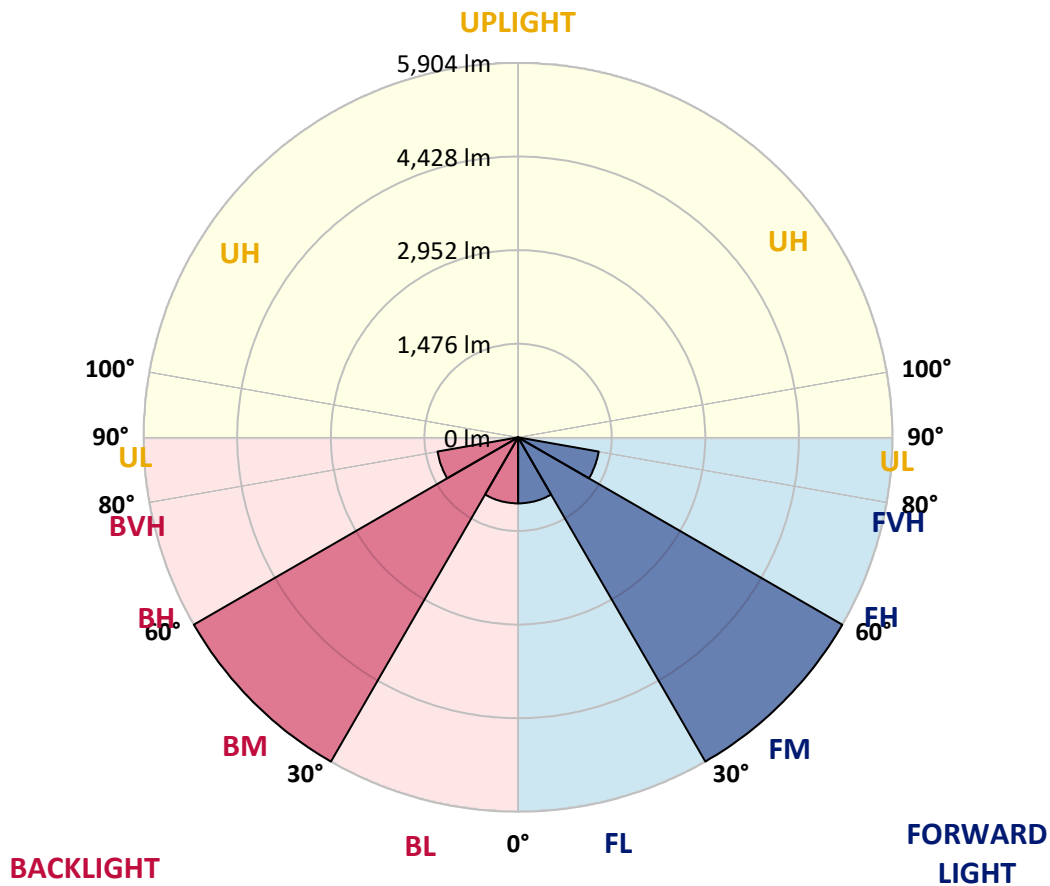
CATALOG NUMBER: GWS-SA4E-750-U-5WQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1041.4	6.3			
FM (30°-60°)	5904.4	35.8			
FH (60°-80°)	1290.8	7.8			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	1041.4	6.3	B3/2500		
BM (30°-60°)	5904.4	35.8	B4/8500		
BH (60°-80°)	1290.8	7.8	B3/2500		G1/1800
BVH (80°-90°)	0.3	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2336.2	2336.2	2336.2	2336.2	2336.2	2336.2	2336.2	2336.2	2336.2	2336.2	2336.2
2.5°	2313.8	2318.3	2322.7	2325.0	2327.2	2334.0	2336.2	2329.5	2329.5	2316.0	2331.7
5°	2302.5	2307.0	2311.5	2309.3	2309.3	2309.3	2307.0	2298.1	2295.8	2282.3	2298.1
7.5°	2282.3	2286.8	2286.8	2280.1	2275.6	2275.6	2273.4	2262.1	2259.9	2246.4	2262.1
10°	2266.6	2268.9	2266.6	2253.2	2244.2	2244.2	2241.9	2237.5	2239.7	2230.7	2244.2
12.5°	2275.6	2277.9	2268.9	2250.9	2239.7	2237.5	2230.7	2224.0	2230.7	2228.5	2241.9
15°	2304.8	2307.0	2291.3	2268.9	2259.9	2259.9	2241.9	2224.0	2233.0	2235.2	2250.9
17.5°	2340.7	2340.7	2320.5	2300.3	2302.5	2302.5	2273.4	2241.9	2244.2	2253.2	2268.9
20°	2383.3	2383.3	2363.1	2358.6	2374.4	2376.6	2340.7	2291.3	2280.1	2286.8	2304.8
22.5°	2459.6	2459.6	2443.9	2455.1	2491.1	2502.3	2448.4	2378.8	2351.9	2356.4	2374.4
25°	2578.6	2578.6	2574.1	2601.0	2652.6	2677.3	2605.5	2513.5	2468.6	2461.9	2482.1
27.5°	2778.3	2780.6	2773.8	2814.2	2879.3	2908.5	2809.7	2688.5	2634.7	2623.5	2643.7
30°	3036.4	3036.4	3038.6	3094.7	3180.0	3218.2	3088.0	2946.6	2883.8	2847.9	2874.8
32.5°	3323.6	3328.1	3350.6	3444.8	3595.2	3673.7	3483.0	3285.5	3184.5	3146.4	3175.5
35°	3797.2	3754.5	3727.6	3797.2	4014.9	4118.1	3873.5	3642.3	3566.0	3561.5	3635.6
37.5°	4266.2	4241.5	4185.4	4257.2	4452.5	4499.6	4230.3	4037.3	3983.4	4012.6	4086.7
40°	4638.7	4593.9	4519.8	4587.1	4843.0	4890.1	4558.0	4367.2	4347.0	4412.1	4513.1
42.5°	4932.7	4869.9	4771.2	4786.9	4993.3	5027.0	4733.0	4589.4	4602.8	4683.6	4798.1
45°	5065.1	5015.8	4928.2	4921.5	5051.7	5053.9	4822.8	4748.7	4784.6	4847.5	4937.2
47.5°	5121.2	5098.8	5049.4	5038.2	5112.3	5094.3	4950.7	4919.3	4952.9	4970.9	5022.5
50°	5260.4	5260.4	5267.1	5276.1	5352.4	5334.4	5233.5	5197.5	5154.9	5092.1	5107.8
52.5°	5650.9	5666.6	5731.7	5803.5	5942.6	6001.0	5837.1	5628.4	5424.2	5287.3	5287.3
55°	6355.6	6371.3	6447.6	6568.8	6824.6	6963.7	6582.2	6122.2	5841.6	5655.4	5680.1
57.5°	6743.8	6761.8	6918.8	7246.5	7742.5	7978.1	7159.0	6476.7	6084.0	5870.8	5888.8
58°	6719.1	6730.3	6907.6	7291.4	7843.5	8097.0	7199.4	6465.5	6052.6	5834.9	5857.3
60°	5969.6	5953.8	6236.6	6784.2	7562.9	7913.0	6797.7	5902.2	5422.0	5199.8	5211.0
62.5°	3902.7	3911.6	4156.2	4728.5	5334.4	5664.3	4748.7	4082.2	3696.2	3561.5	3527.9
65°	1629.3	1600.1	1750.5	2069.1	2432.7	2616.7	2248.7	1903.1	1665.2	1575.4	1600.1
67.5°	419.7	408.4	417.4	522.9	639.6	756.3	635.1	484.7	421.9	426.4	426.4
70°	237.9	224.4	181.8	168.3	163.8	163.8	163.8	163.8	188.5	222.2	228.9
72.5°	179.5	168.3	132.4	114.5	101.0	94.3	98.7	114.5	136.9	166.1	170.6
75°	89.8	89.8	80.8	76.3	67.3	62.8	65.1	71.8	83.0	94.3	92.0
77.5°	18.0	20.2	22.4	26.9	22.4	22.4	22.4	26.9	26.9	29.2	26.9
80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	0.0	2.2	2.2	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)