

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: P637683

Luminaire Tested: GWS-SA4D-735-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637683
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4D-735-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14757.4 lumens
Efficiency: N/A
Efficacy: 91.0 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): 162.1
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

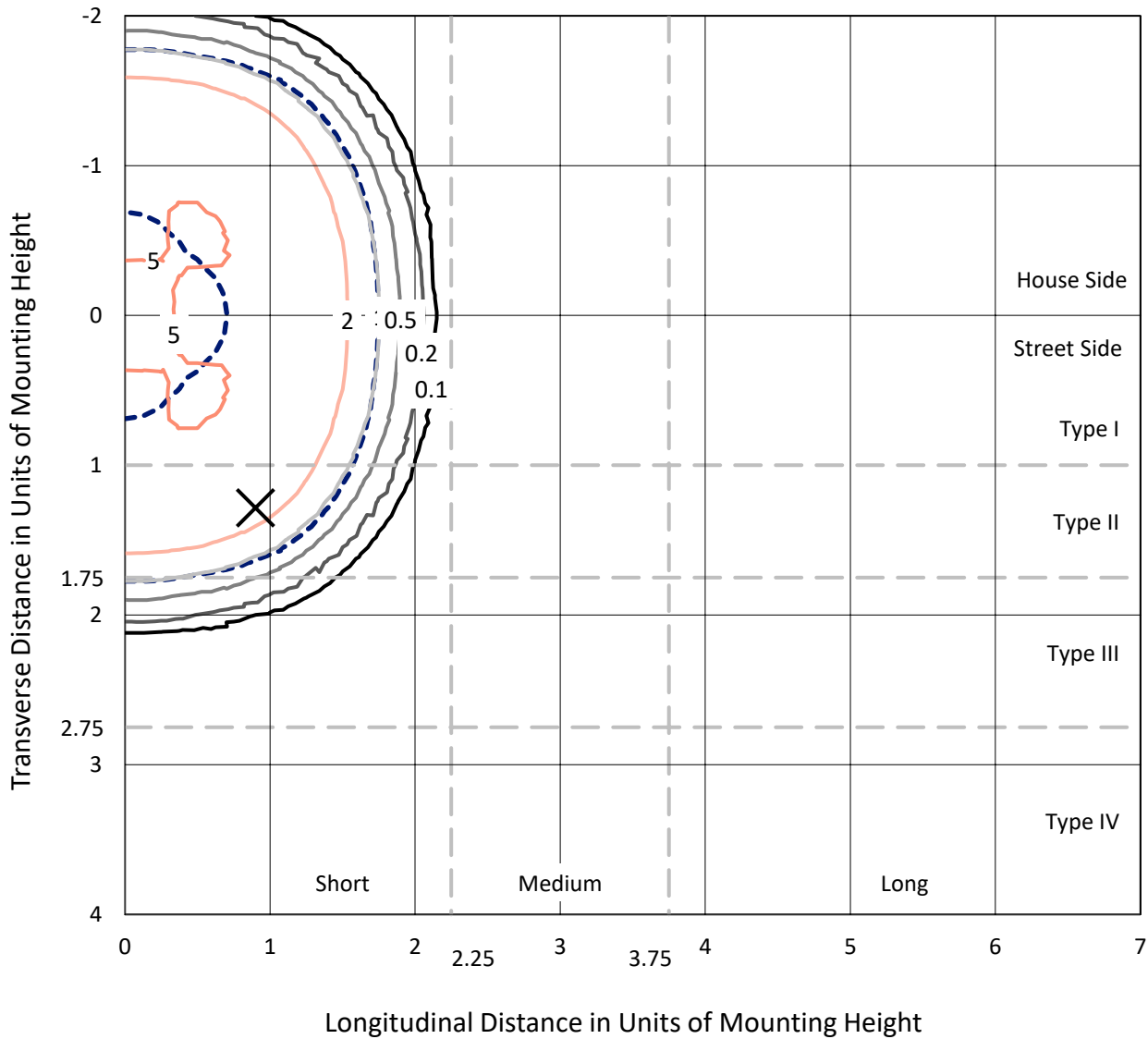


REPORT NUMBER: P637683

CATALOG NUMBER: GWS-SA4D-735-U-5MQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

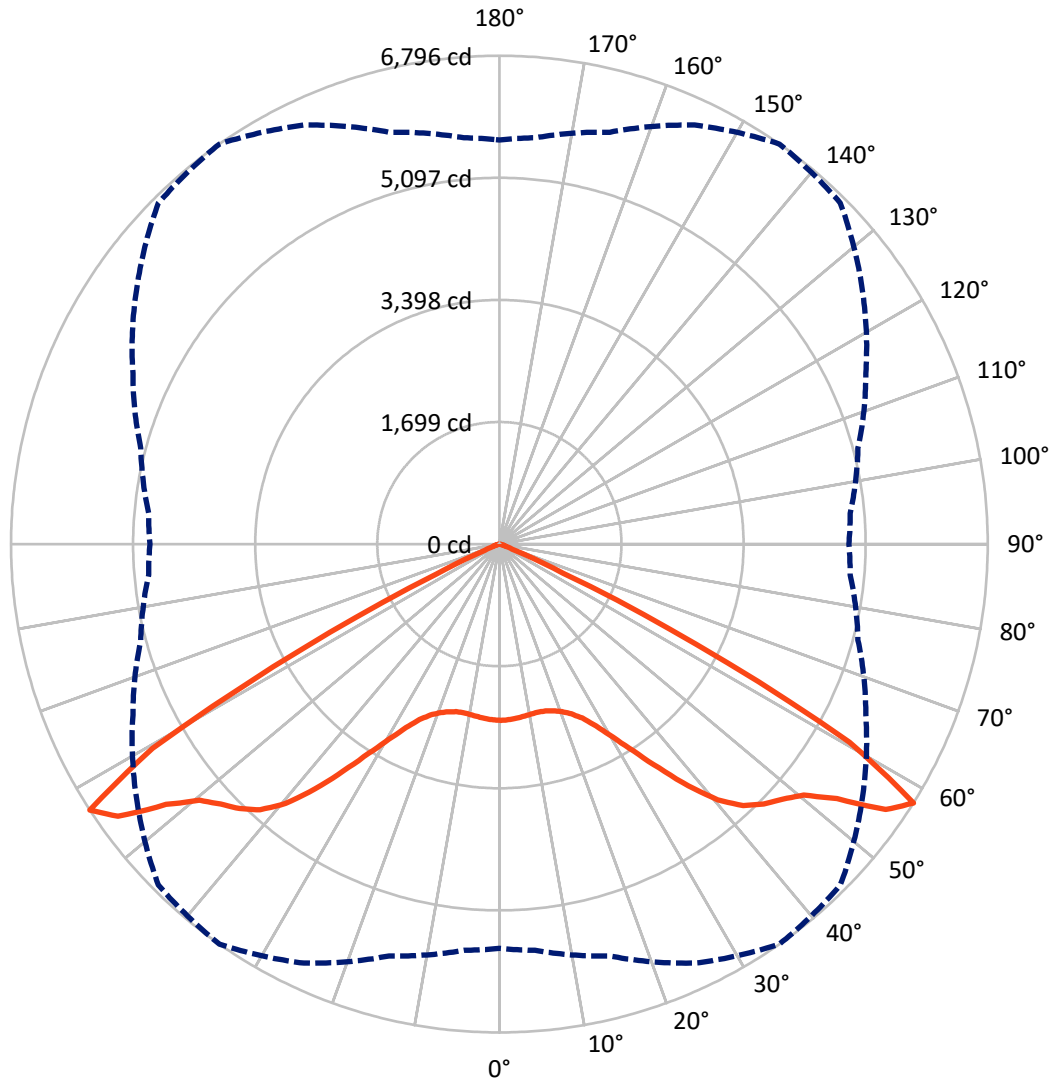
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - N/A

REPORT NUMBER: P637683
CATALOG NUMBER: GWS-SA4D-735-U-5MQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P637683

CATALOG NUMBER: GWS-SA4D-735-U-5MQ-W-GRSBK

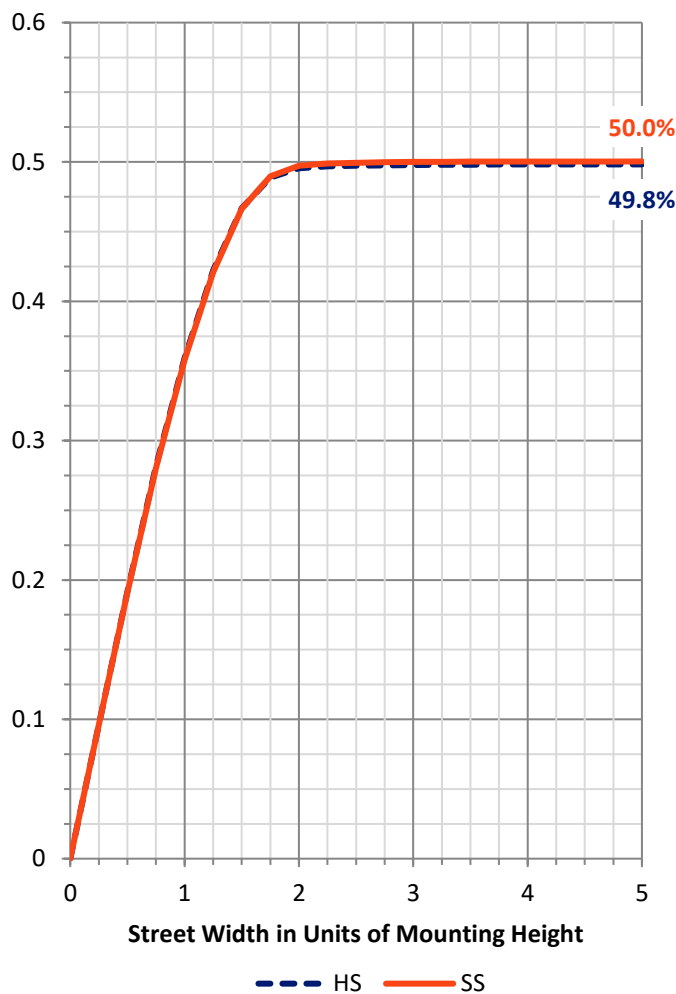
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7378.7	0.0	7378.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7378.7	0.0	7378.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	14757.4	0.0	14757.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.2	1.6
10°-20°	680.0	4.6
20°-30°	1229.1	8.3
30°-40°	2293.0	15.5
40°-50°	3846.5	26.1
50°-60°	5079.8	34.4
60°-70°	1349.1	9.1
70°-80°	47.9	0.3
80°-90°	0.9	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°	14757.4	100.0
0°-180°	14757.4	100.0

Coefficient of Utilization



REPORT NUMBER: P637683

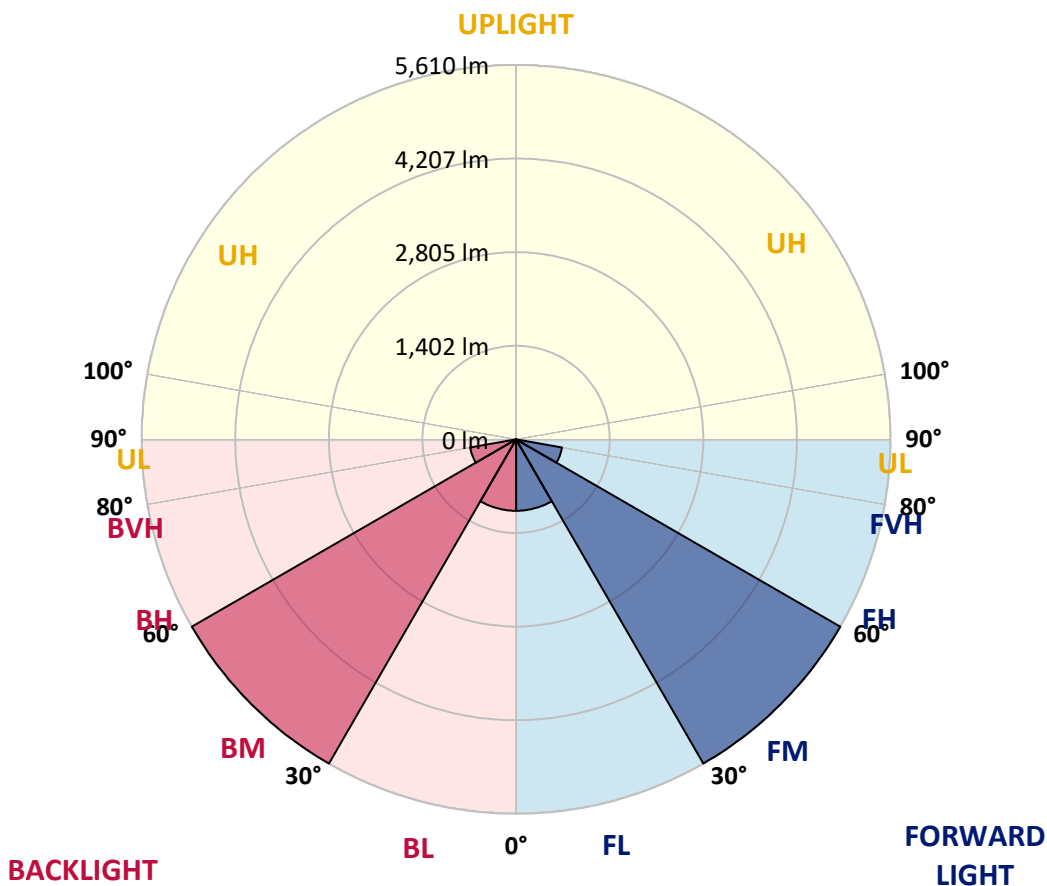
CATALOG NUMBER: GWS-SA4D-735-U-5MQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1070.1	7.3			
FM (30°-60°)	5609.7	38.0			
FH (60°-80°)	698.5	4.7			G1/1800
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	1070.1	7.3	B3/2500		
BM (30°-60°)	5609.7	38.0	B4/8500		
BH (60°-80°)	698.5	4.7	B2/1000		G1/1800
BVH (80°-90°)	0.4	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





REPORT NUMBER: P637683

CATALOG NUMBER: GWS-SA4D-735-U-5MQ-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2453.6	2453.6	2453.6	2453.6	2453.6	2453.6	2453.6	2453.6	2453.6	2453.6	2453.6
2.5°	2436.2	2434.5	2441.4	2446.6	2446.6	2458.7	2455.3	2451.8	2448.4	2443.2	2455.3
5°	2432.8	2431.0	2436.2	2439.7	2436.2	2446.6	2439.7	2432.8	2429.3	2422.4	2436.2
7.5°	2417.2	2418.9	2422.4	2425.8	2420.7	2429.3	2420.7	2410.3	2401.6	2394.7	2406.8
10°	2392.9	2394.7	2398.1	2405.1	2406.8	2418.9	2406.8	2387.8	2375.6	2365.2	2377.4
12.5°	2380.8	2382.6	2387.8	2396.4	2398.1	2413.7	2398.1	2370.4	2353.1	2341.0	2353.1
15°	2384.3	2387.8	2394.7	2405.1	2408.5	2424.1	2403.3	2367.0	2342.7	2327.2	2337.5
17.5°	2396.4	2399.9	2410.3	2427.6	2439.7	2455.3	2429.3	2382.6	2349.7	2327.2	2337.5
20°	2412.0	2417.2	2434.5	2462.2	2488.2	2515.9	2483.0	2418.9	2375.6	2347.9	2356.6
22.5°	2455.3	2460.5	2484.7	2521.1	2564.4	2599.0	2559.2	2477.8	2418.9	2382.6	2391.2
25°	2543.6	2548.8	2580.0	2626.7	2682.1	2727.1	2676.9	2574.8	2498.6	2457.0	2460.5
27.5°	2682.1	2687.3	2723.7	2789.5	2863.9	2928.0	2855.3	2735.8	2649.2	2600.7	2600.7
30°	2857.0	2863.9	2912.4	3000.7	3116.7	3201.6	3102.9	2957.4	2846.6	2780.8	2782.5
32.5°	3082.1	3075.2	3144.4	3265.6	3430.1	3542.7	3397.2	3220.6	3083.8	2992.1	3000.7
35°	3371.3	3369.5	3447.4	3611.9	3826.6	3961.7	3788.5	3560.0	3395.5	3302.0	3303.7
37.5°	3743.5	3741.8	3831.8	4010.2	4268.2	4380.7	4186.8	3954.8	3778.2	3688.1	3698.5
40°	4179.9	4169.5	4249.1	4420.5	4678.5	4751.3	4540.0	4353.0	4183.3	4126.2	4153.9
42.5°	4595.4	4572.9	4619.7	4775.5	4974.6	4985.0	4825.7	4697.6	4581.6	4536.6	4553.9
45°	4929.6	4912.3	4955.6	5045.6	5159.9	5108.0	5031.8	4991.9	4898.4	4850.0	4865.5
47.5°	5178.9	5178.9	5230.9	5286.3	5303.6	5208.4	5220.5	5220.5	5127.0	5050.8	5031.8
50°	5393.7	5409.2	5487.2	5544.3	5487.2	5366.0	5435.2	5421.4	5230.9	5078.5	5038.7
52.5°	5736.5	5752.1	5871.6	5949.5	5885.4	5765.9	5774.6	5601.4	5320.9	5140.9	5078.5
55°	6100.1	6138.2	6311.4	6519.1	6520.9	6397.9	6169.4	5862.9	5521.8	5326.1	5262.1
57.5°	5623.9	5675.9	5933.9	6434.3	6796.2	6711.3	6165.9	5627.4	5166.8	4900.2	4863.8
60°	3869.9	3960.0	4218.0	4901.9	5599.7	5632.6	4988.5	4384.2	3856.1	3527.1	3534.0
62.5°	1634.5	1726.3	1871.8	2434.5	3075.2	3115.0	2803.3	2370.4	1939.3	1702.1	1738.4
65°	384.4	410.4	453.7	673.6	976.6	1021.6	941.9	734.2	542.0	458.9	467.5
67.5°	168.0	171.4	162.8	173.2	214.7	219.9	213.0	187.0	176.6	180.1	180.1
70°	117.7	119.5	112.5	107.4	102.2	95.2	98.7	109.1	117.7	124.7	122.9
72.5°	72.7	74.5	76.2	76.2	71.0	64.1	67.5	74.5	76.2	77.9	76.2
75°	36.4	38.1	41.6	43.3	41.6	39.8	39.8	41.6	41.6	39.8	39.8
77.5°	6.9	8.7	12.1	13.9	13.9	13.9	13.9	13.9	15.6	13.9	13.9
80°	1.7	1.7	3.5	1.7	1.7	1.7	1.7	1.7	1.7	3.5	3.5
82.5°	1.7	1.7	1.7	1.7	0.0	0.0	1.7	1.7	1.7	1.7	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
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)