

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P847074

Luminaire Tested: **GLAN-SB3A-730-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847074
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3A-730-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12861 lumens
Efficiency: N/A
Efficacy: 151.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

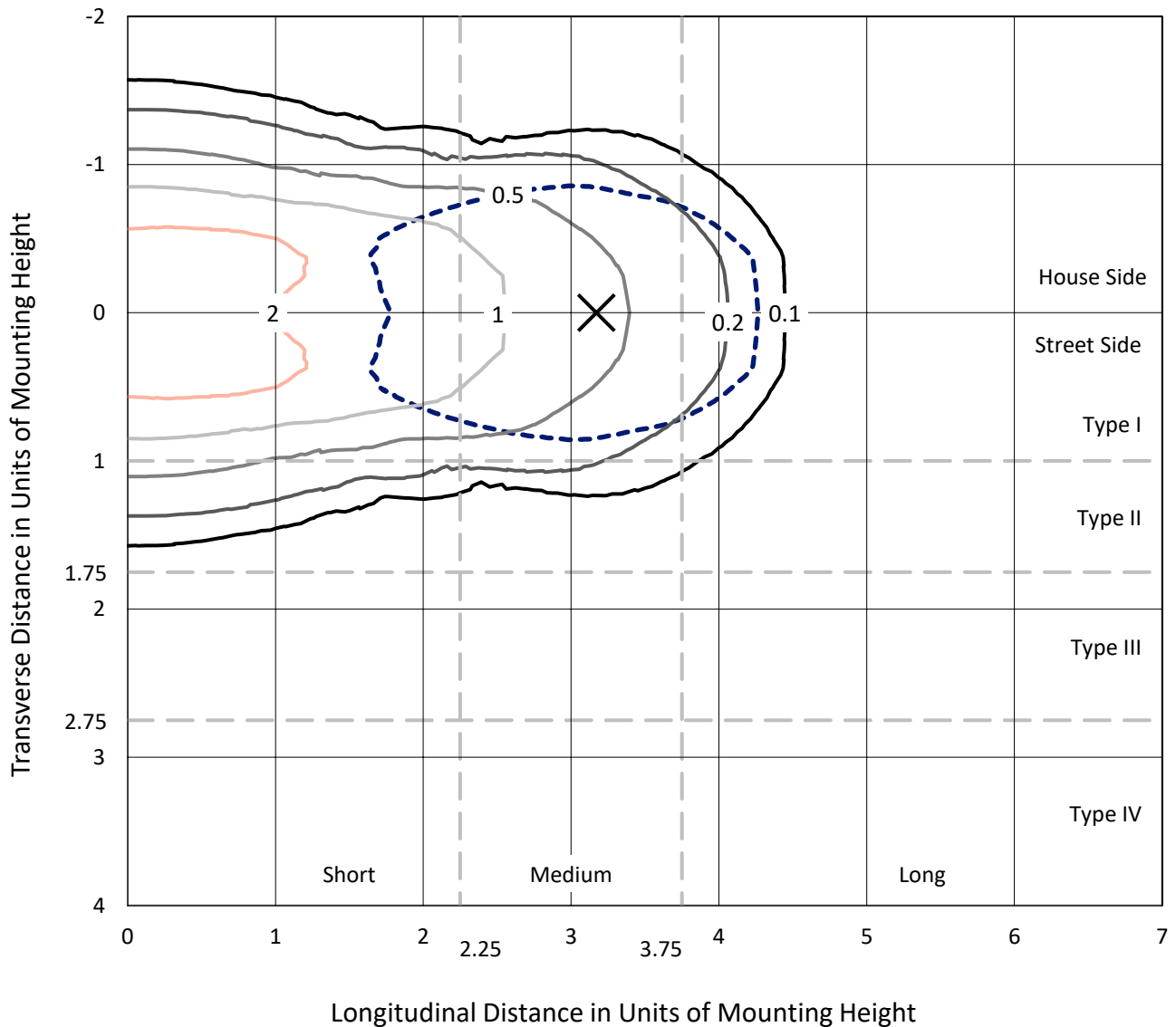
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P847074
 CATALOG NUMBER: GLAN-SB3A-730-U-T1

Iso-Footcandle Lines of Horizontal Illumination

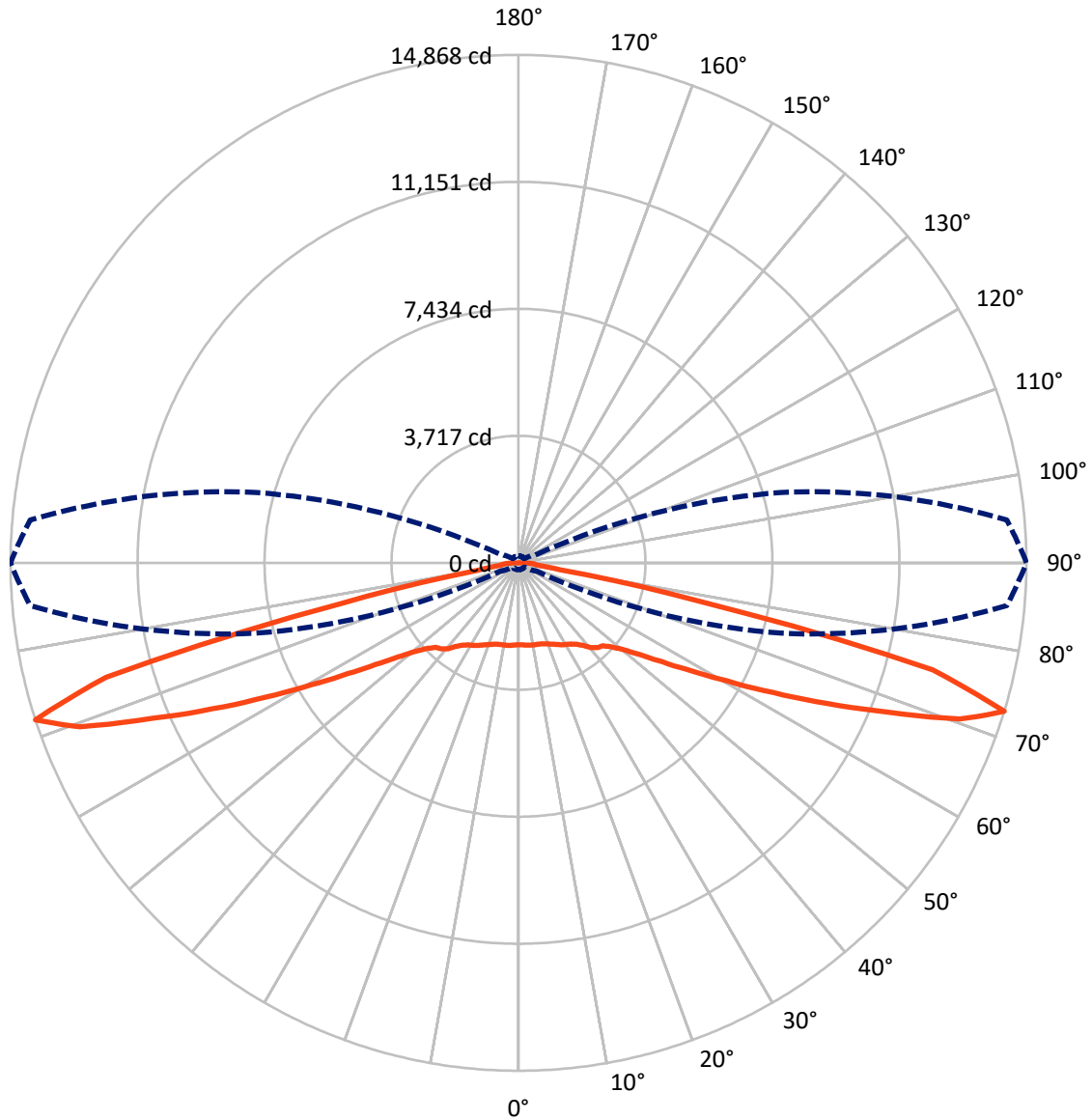
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type I - Short - N/A

REPORT NUMBER: P847074
CATALOG NUMBER: GLAN-SB3A-730-U-T1

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P847074
 CATALOG NUMBER: GLAN-SB3A-730-U-T1

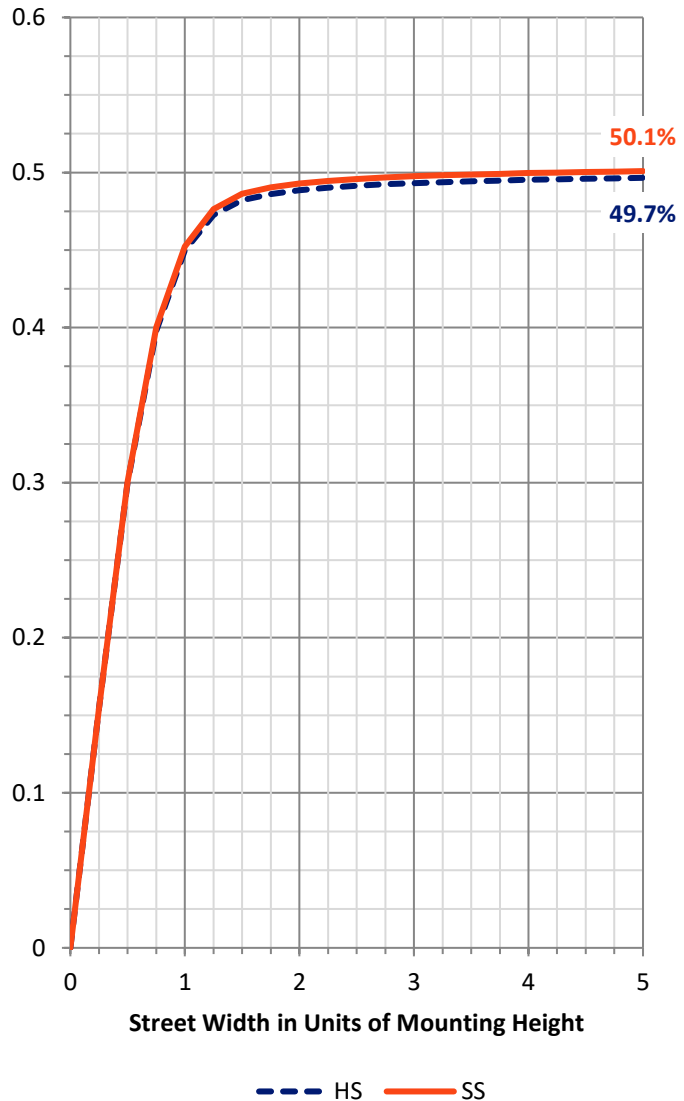
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6430.5	0.0	6430.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6430.5	0.0	6430.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12861.0	0.0	12861.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.0	1.8
10°-20°	712.5	5.5
20°-30°	1188.0	9.2
30°-40°	1633.9	12.7
40°-50°	1995.4	15.5
50°-60°	2307.9	17.9
60°-70°	2751.8	21.4
70°-80°	1920.6	14.9
80°-90°	118.0	0.9
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°	12861.0	100.0
0°-180°	12861.0	100.0

Coefficient of Utilization



REPORT NUMBER: P847074

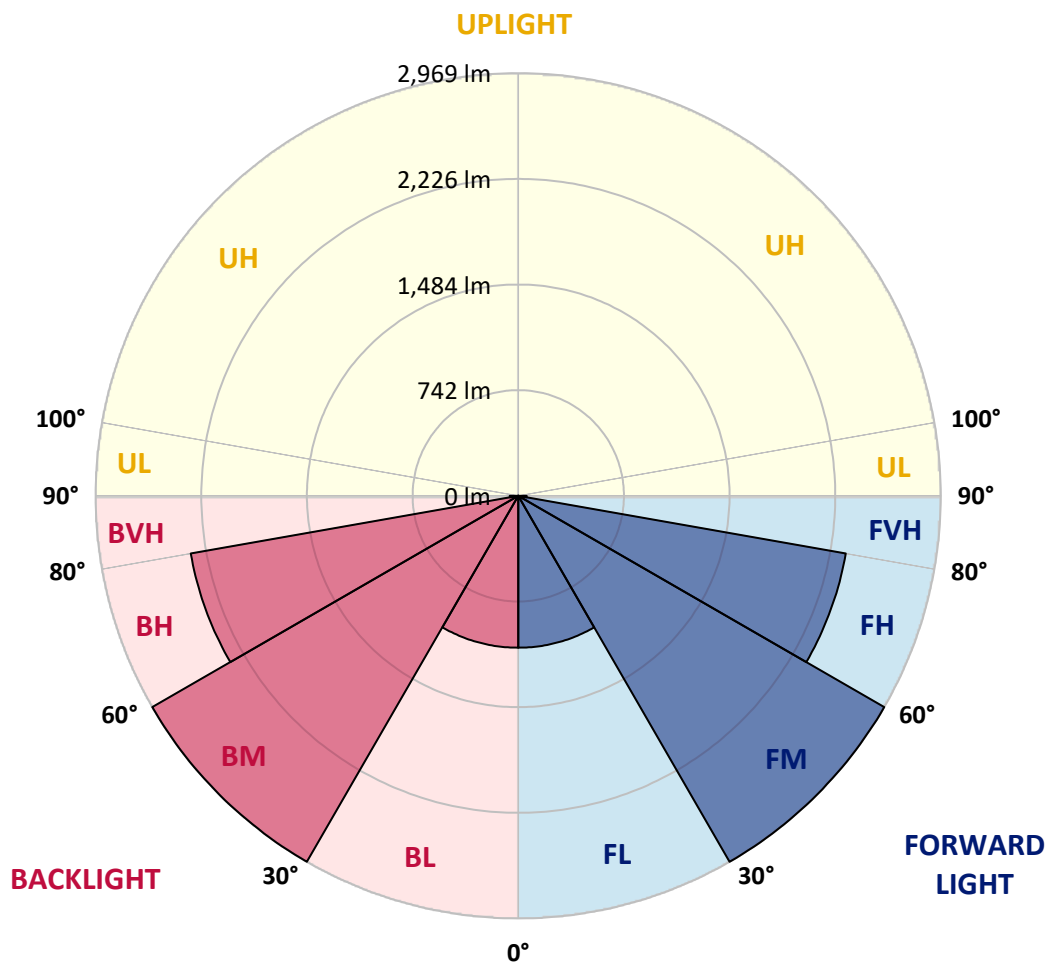
CATALOG NUMBER: GLAN-SB3A-730-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1066.8	8.3			
FM (30°-60°)	2968.6	23.1			
FH (60°-80°)	2336.2	18.2			G2/5000
FVH (80°-90°)	59.0	0.5			G1/100
BL (0°-30°)	1066.8	8.3	B3/2500		
BM (30°-60°)	2968.6	23.1	B3/5000		
BH (60°-80°)	2336.2	18.2	B3/2500		G3/2500
BVH (80°-90°)	59.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short



REPORT NUMBER: P847074

CATALOG NUMBER: GLAN-SB3A-730-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2403.2	2403.2	2403.2	2403.2	2403.2	2403.2	2403.2	2403.2	2403.2	2403.2
2.5°	2405.3	2408.0	2408.0	2405.9	2410.7	2406.6	2406.6	2404.6	2406.6	2404.6
5°	2417.6	2421.0	2422.4	2421.7	2427.8	2424.4	2424.4	2421.7	2422.4	2420.3
7.5°	2440.8	2445.6	2448.3	2451.7	2460.6	2456.5	2453.8	2445.6	2442.2	2436.7
10°	2448.3	2453.8	2462.7	2480.4	2501.0	2501.6	2493.4	2472.9	2457.2	2444.9
12.5°	2425.1	2432.6	2451.1	2487.3	2533.1	2551.5	2538.5	2504.4	2473.6	2451.7
15°	2395.7	2403.9	2431.9	2486.6	2554.3	2597.3	2596.0	2550.9	2501.6	2467.5
17.5°	2349.9	2358.1	2398.4	2475.0	2570.7	2641.8	2660.9	2614.4	2545.4	2499.6
20°	2267.2	2274.7	2330.8	2438.1	2576.1	2688.9	2738.8	2697.8	2611.7	2549.5
22.5°	2159.9	2171.5	2237.1	2374.5	2563.2	2738.1	2827.7	2799.6	2688.9	2602.8
25°	2045.1	2057.4	2133.9	2296.6	2529.7	2773.7	2932.9	2915.2	2776.4	2669.1
27.5°	1945.9	1958.9	2042.3	2219.3	2477.7	2787.3	3036.8	3045.7	2882.4	2742.2
30°	1868.0	1880.3	1969.2	2157.2	2410.7	2773.7	3127.7	3189.2	2990.3	2805.8
32.5°	1782.6	1798.3	1891.9	2081.3	2331.4	2740.9	3207.0	3344.4	3115.4	2874.2
35°	1674.6	1688.9	1787.4	1977.4	2227.6	2688.2	3273.3	3516.6	3294.5	2978.0
37.5°	1543.4	1557.0	1654.8	1847.5	2124.3	2614.4	3323.9	3710.8	3507.8	3127.7
40°	1411.4	1424.4	1516.0	1702.6	2000.6	2520.1	3341.7	3900.8	3752.5	3333.5
42.5°	1290.5	1302.1	1386.2	1559.8	1861.9	2399.8	3318.4	4066.2	3971.9	3477.0
45°	1179.1	1189.3	1263.8	1425.8	1717.7	2253.5	3248.7	4243.9	4233.0	3579.5
47.5°	1051.9	1062.2	1139.4	1295.9	1573.4	2082.0	3130.5	4418.9	4595.9	3811.9
50°	896.8	905.6	984.9	1146.2	1423.7	1899.5	2966.4	4556.3	5053.9	4163.9
52.5°	712.9	722.5	799.7	961.0	1246.0	1703.3	2750.4	4645.8	5582.9	4677.9
55°	530.4	537.2	604.2	749.1	1025.9	1479.8	2479.8	4671.1	6183.0	5380.6
57.5°	384.8	388.9	432.0	540.0	777.8	1200.2	2151.0	4605.5	6897.3	6281.4
60°	311.7	313.0	326.0	373.9	540.7	884.5	1753.9	4379.9	7672.4	7442.7
62.5°	283.0	283.0	286.4	299.4	365.7	583.7	1273.4	3912.4	8503.5	8910.2
65°	263.2	263.2	264.5	270.7	288.4	371.8	803.8	3151.0	9204.1	10629.2
67.5°	245.4	246.1	245.4	247.4	257.7	274.8	466.2	2176.3	9581.4	12410.5
70°	226.9	228.3	224.9	224.9	233.1	233.8	291.9	1193.4	9268.4	13903.2
72.5°	205.1	207.1	201.6	200.3	206.4	203.7	219.4	572.8	7957.4	14348.9
75°	185.9	188.6	176.3	172.9	172.9	170.9	178.4	293.9	5164.6	11705.1
77.5°	168.8	174.3	154.5	143.5	140.8	134.7	145.6	179.8	2259.0	5495.4
80°	139.4	147.0	127.1	114.1	109.4	102.5	114.8	125.8	671.9	1276.1
82.5°	103.9	107.3	90.2	81.3	77.2	72.5	86.1	87.5	218.7	451.8
85°	66.3	67.7	55.4	47.8	45.8	43.7	54.7	47.8	83.4	332.2
87.5°	23.2	26.7	21.2	19.1	20.5	17.1	25.3	14.4	23.2	234.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2403.2
2404.6
2420.3
2436.7
2442.9
2448.3
2462.0
2492.1
2537.9
2587.1
2647.2
2719.0
2772.3
2831.8
2930.9
3064.8
3266.5
3390.9
3463.3
3678.0
3995.8
4470.8
5121.5
5955.4
7031.9
8360.0
9933.4
11659.3
13705.7
14868.3
12519.8
5381.3
1222.1
510.6
482.6
290.5
0.0

OF REPORT)