

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: P848034

Luminaire Tested: **GLAN-SB4B-930-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848034
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-SB4B-930-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15062 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

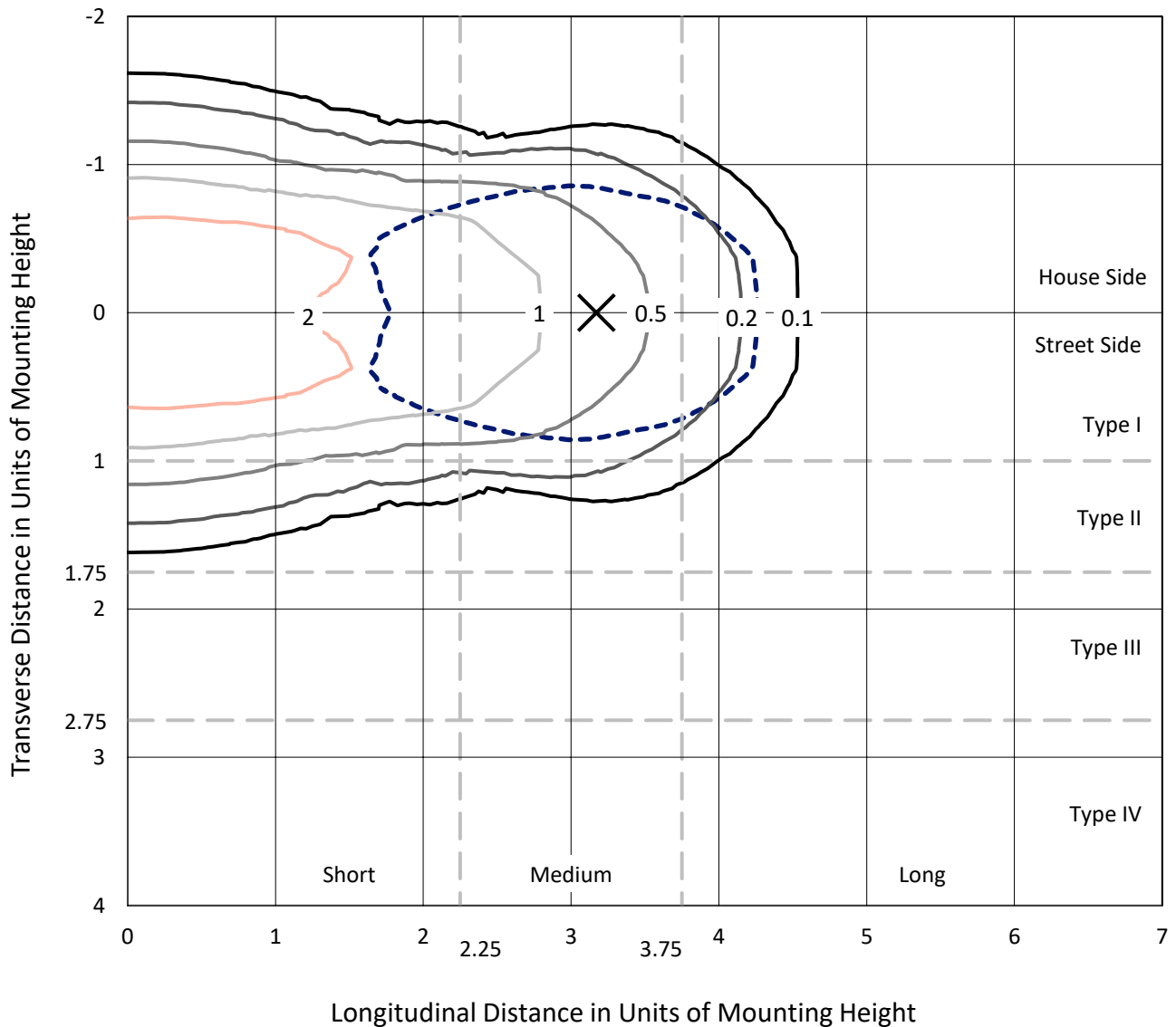
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848034
 CATALOG NUMBER: GLAN-SB4B-930-U-T1

Iso-Footcandle Lines of Horizontal Illumination

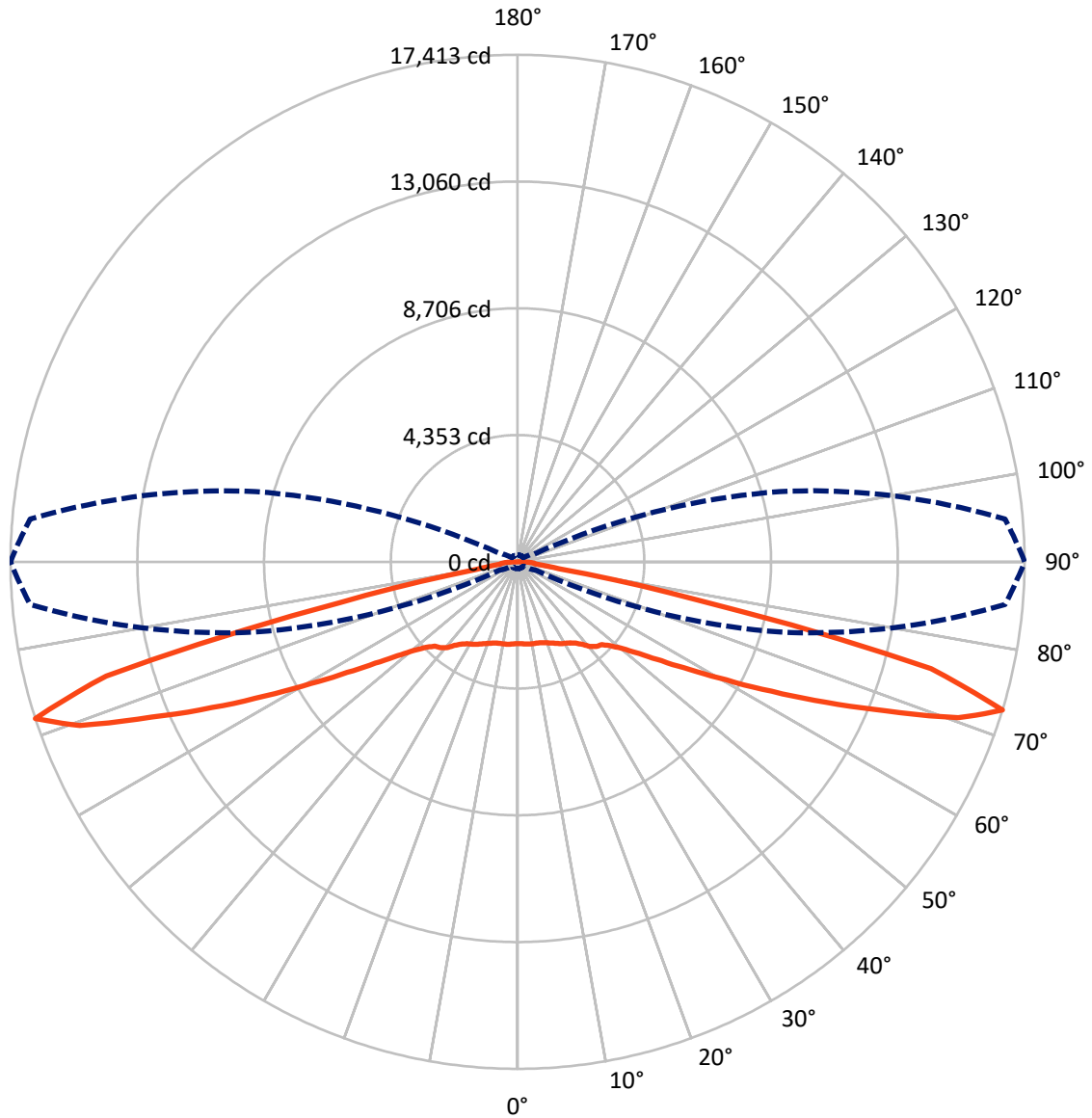
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type I - Short - N/A

REPORT NUMBER: P848034
CATALOG NUMBER: GLAN-SB4B-930-U-T1

Luminous Intensity Polar Plot



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

REPORT NUMBER: P848034
 CATALOG NUMBER: GLAN-SB4B-930-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7531.0	0.0	7531.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7531.0	0.0	7531.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	15062.0	0.0	15062.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.9	1.8
10°-20°	834.4	5.5
20°-30°	1391.3	9.2
30°-40°	1913.5	12.7
40°-50°	2336.9	15.5
50°-60°	2702.9	17.9
60°-70°	3222.7	21.4
70°-80°	2249.2	14.9
80°-90°	138.2	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°	15062.0	100.0
0°-180°	15062.0	100.0

Coefficient of Utilization



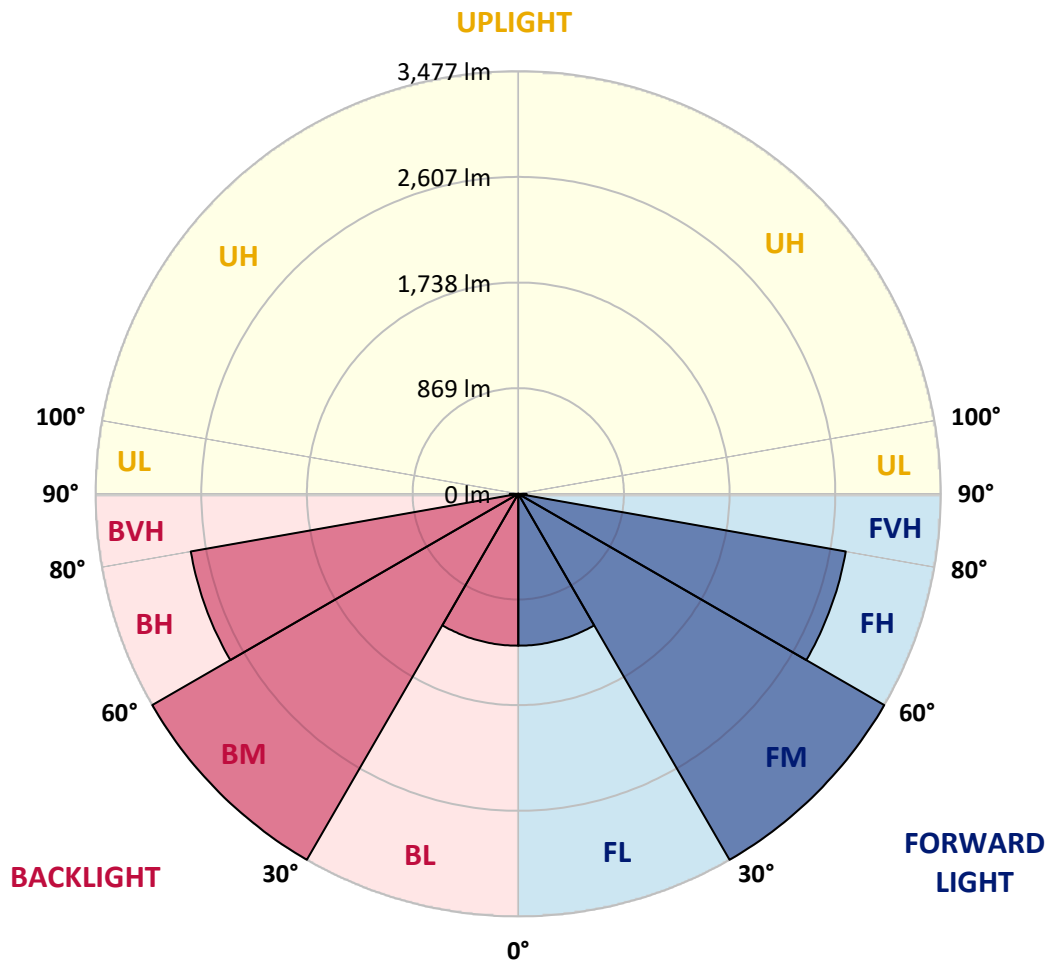
REPORT NUMBER: P848034
 CATALOG NUMBER: GLAN-SB4B-930-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1249.3	8.3			
FM (30°-60°)	3476.6	23.1			
FH (60°-80°)	2736.0	18.2			G2/5000
FVH (80°-90°)	69.1	0.5			G1/100
BL (0°-30°)	1249.3	8.3	B3/2500		
BM (30°-60°)	3476.6	23.1	B3/5000		
BH (60°-80°)	2736.0	18.2	B4/5000		G4/5000
BVH (80°-90°)	69.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



REPORT NUMBER: P848034
 CATALOG NUMBER: GLAN-SB4B-930-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2814.5	2814.5	2814.5	2814.5	2814.5	2814.5	2814.5	2814.5	2814.5	2814.5
2.5°	2816.9	2820.1	2820.1	2817.7	2823.3	2818.5	2818.5	2816.1	2818.5	2816.1
5°	2831.3	2835.3	2836.9	2836.1	2843.3	2839.3	2839.3	2836.1	2836.9	2834.5
7.5°	2858.5	2864.1	2867.3	2871.3	2881.7	2876.9	2873.7	2864.1	2860.1	2853.7
10°	2867.3	2873.7	2884.1	2904.9	2929.0	2929.8	2920.2	2896.1	2877.7	2863.3
12.5°	2840.1	2848.9	2870.5	2913.0	2966.6	2988.2	2973.0	2933.0	2896.9	2871.3
15°	2805.7	2815.3	2848.1	2912.2	2991.4	3041.8	3040.2	2987.4	2929.8	2889.7
17.5°	2752.1	2761.7	2808.9	2898.5	3010.6	3093.9	3116.3	3061.8	2981.0	2927.4
20°	2655.2	2664.0	2729.6	2855.3	3017.0	3149.1	3207.5	3159.5	3058.6	2985.8
22.5°	2529.5	2543.1	2620.0	2780.9	3001.8	3206.7	3311.6	3278.8	3149.1	3048.2
25°	2395.0	2409.4	2499.1	2689.6	2962.6	3248.4	3434.9	3414.1	3251.6	3125.9
27.5°	2279.0	2294.2	2391.8	2599.2	2901.7	3264.4	3556.5	3566.9	3375.6	3211.5
30°	2187.7	2202.1	2306.2	2526.3	2823.3	3248.4	3663.0	3735.0	3502.1	3286.0
32.5°	2087.7	2106.1	2215.7	2437.5	2730.4	3209.9	3755.9	3916.8	3648.6	3366.0
35°	1961.2	1978.0	2093.3	2315.8	2608.8	3148.3	3833.5	4118.5	3858.3	3487.7
37.5°	1807.5	1823.5	1938.0	2163.7	2487.9	3061.8	3892.7	4345.8	4108.1	3663.0
40°	1653.0	1668.2	1775.5	1994.0	2343.0	2951.4	3913.6	4568.3	4394.6	3903.9
42.5°	1511.3	1524.9	1623.4	1826.7	2180.5	2810.5	3886.3	4762.1	4651.6	4072.1
45°	1380.8	1392.8	1480.1	1669.8	2011.6	2639.2	3804.7	4970.2	4957.4	4192.1
47.5°	1231.9	1243.9	1334.4	1517.7	1842.7	2438.3	3666.2	5175.1	5382.4	4464.3
50°	1050.2	1060.6	1153.5	1342.4	1667.4	2224.5	3474.1	5336.0	5918.8	4876.5
52.5°	834.9	846.1	936.6	1125.5	1459.3	1994.8	3221.1	5440.9	6538.3	5478.5
55°	621.2	629.2	707.6	877.3	1201.5	1733.0	2904.1	5470.5	7241.2	6301.4
57.5°	450.7	455.5	505.9	632.4	910.9	1405.6	2519.1	5393.6	8077.7	7356.4
60°	365.0	366.6	381.8	437.9	633.2	1035.8	2054.0	5129.5	8985.4	8716.4
62.5°	331.4	331.4	335.4	350.6	428.3	683.6	1491.3	4582.0	9958.8	10435.1
65°	308.2	308.2	309.8	317.0	337.8	435.5	941.4	3690.2	10779.3	12448.3
67.5°	287.4	288.2	287.4	289.8	301.8	321.8	545.9	2548.7	11221.2	14534.3
70°	265.8	267.4	263.4	263.4	273.0	273.8	341.8	1397.6	10854.5	16282.6
72.5°	240.1	242.5	236.1	234.5	241.7	238.5	257.0	670.8	9319.2	16804.5
75°	217.7	220.9	206.5	202.5	202.5	200.1	208.9	344.2	6048.4	13708.2
77.5°	197.7	204.1	180.9	168.1	164.9	157.7	170.5	210.5	2645.6	6435.9
80°	163.3	172.1	148.9	133.7	128.1	120.1	134.5	147.3	786.9	1494.5
82.5°	121.7	125.7	105.7	95.3	90.5	84.9	100.9	102.5	256.2	529.1
85°	77.6	79.2	64.8	56.0	53.6	51.2	64.0	56.0	97.7	389.0
87.5°	27.2	31.2	24.8	22.4	24.0	20.0	29.6	16.8	27.2	274.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2814.5
2816.1
2834.5
2853.7
2860.9
2867.3
2883.3
2918.6
2972.2
3029.8
3100.3
3184.3
3246.8
3316.4
3432.5
3589.4
3825.5
3971.2
4056.0
4307.4
4679.6
5236.0
5998.0
6974.6
8235.4
9790.7
11633.4
13654.6
16051.3
17412.9
14662.4
6302.2
1431.3
598.0
565.1
340.2
0.0

OF REPORT)