

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: P848094

Luminaire Tested: **GLAN-SB4C-730-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848094
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-SB4C-730-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28682 lumens
Efficiency: N/A
Efficacy: 142.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

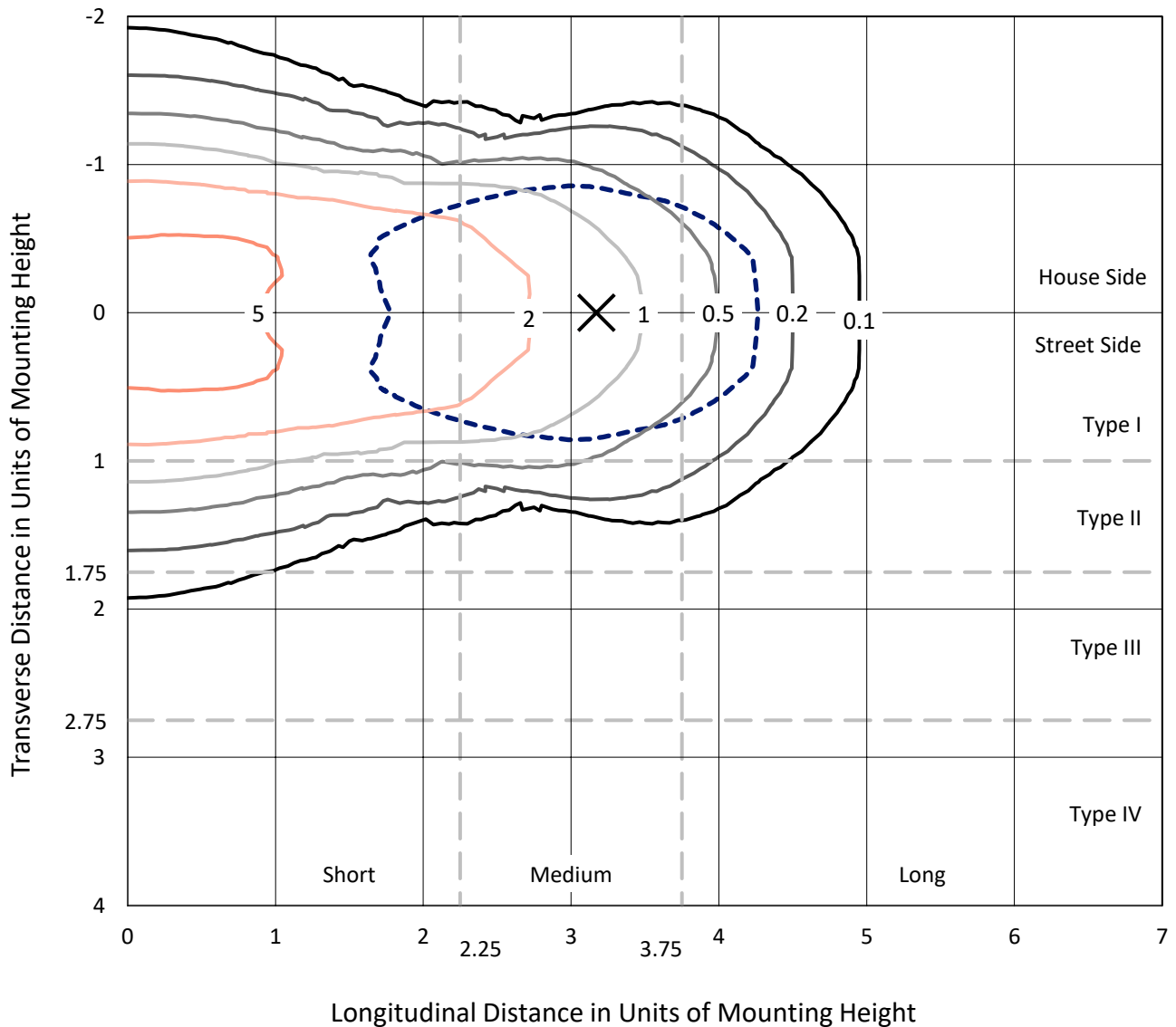
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848094
 CATALOG NUMBER: GLAN-SB4C-730-U-T1

Iso-Footcandle Lines of Horizontal Illumination

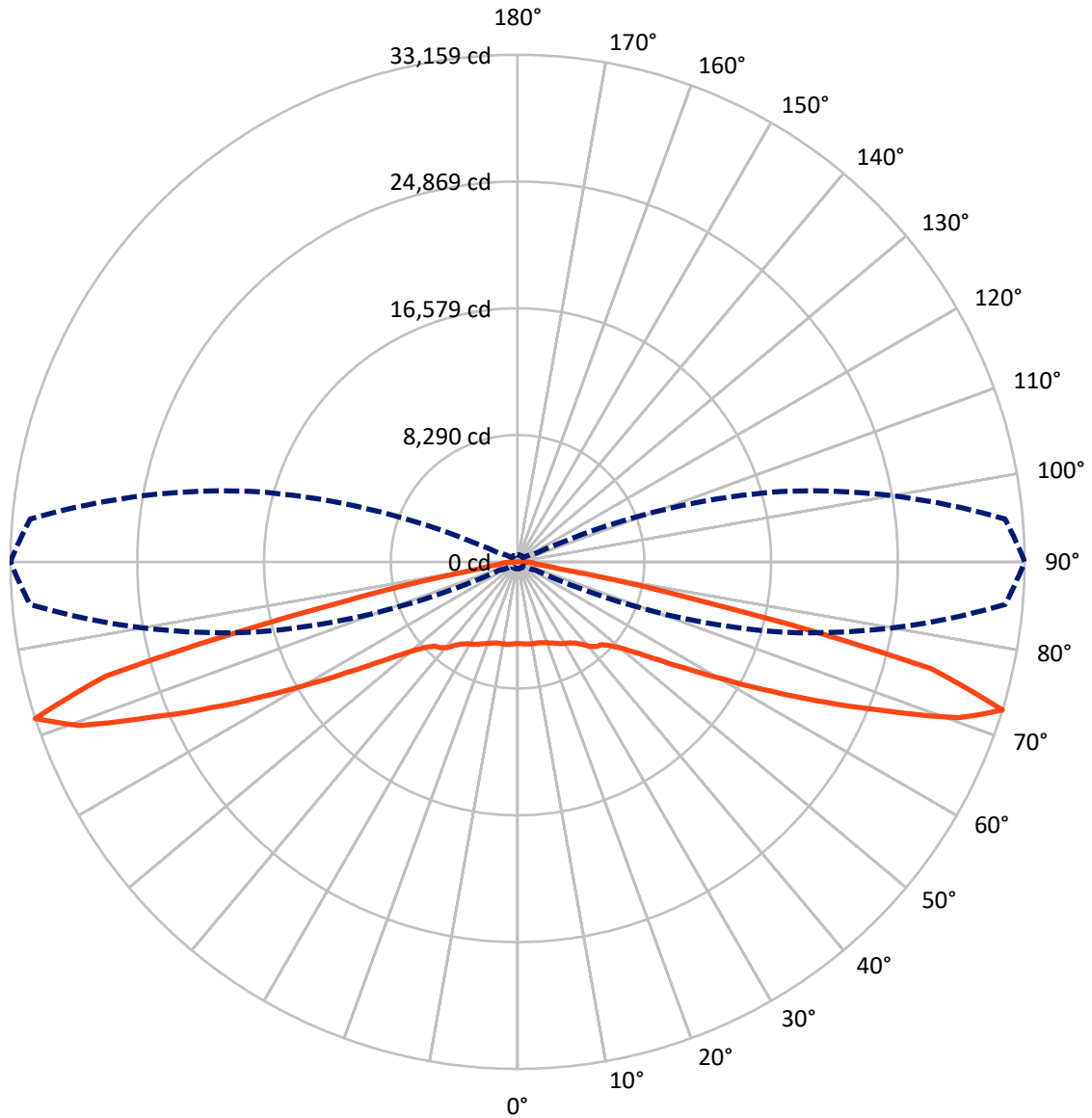
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type I - Short - N/A

REPORT NUMBER: P848094
CATALOG NUMBER: GLAN-SB4C-730-U-T1

Luminous Intensity Polar Plot



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

REPORT NUMBER: P848094
 CATALOG NUMBER: GLAN-SB4C-730-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14341.0	0.0	14341.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14341.0	0.0	14341.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	28682.0	0.0	28682.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	519.7	1.8
10°-20°	1588.9	5.5
20°-30°	2649.4	9.2
30°-40°	3643.8	12.7
40°-50°	4450.1	15.5
50°-60°	5147.0	17.9
60°-70°	6136.9	21.4
70°-80°	4283.2	14.9
80°-90°	263.1	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°	28682.0	100.0
0°-180°	28682.0	100.0

Coefficient of Utilization

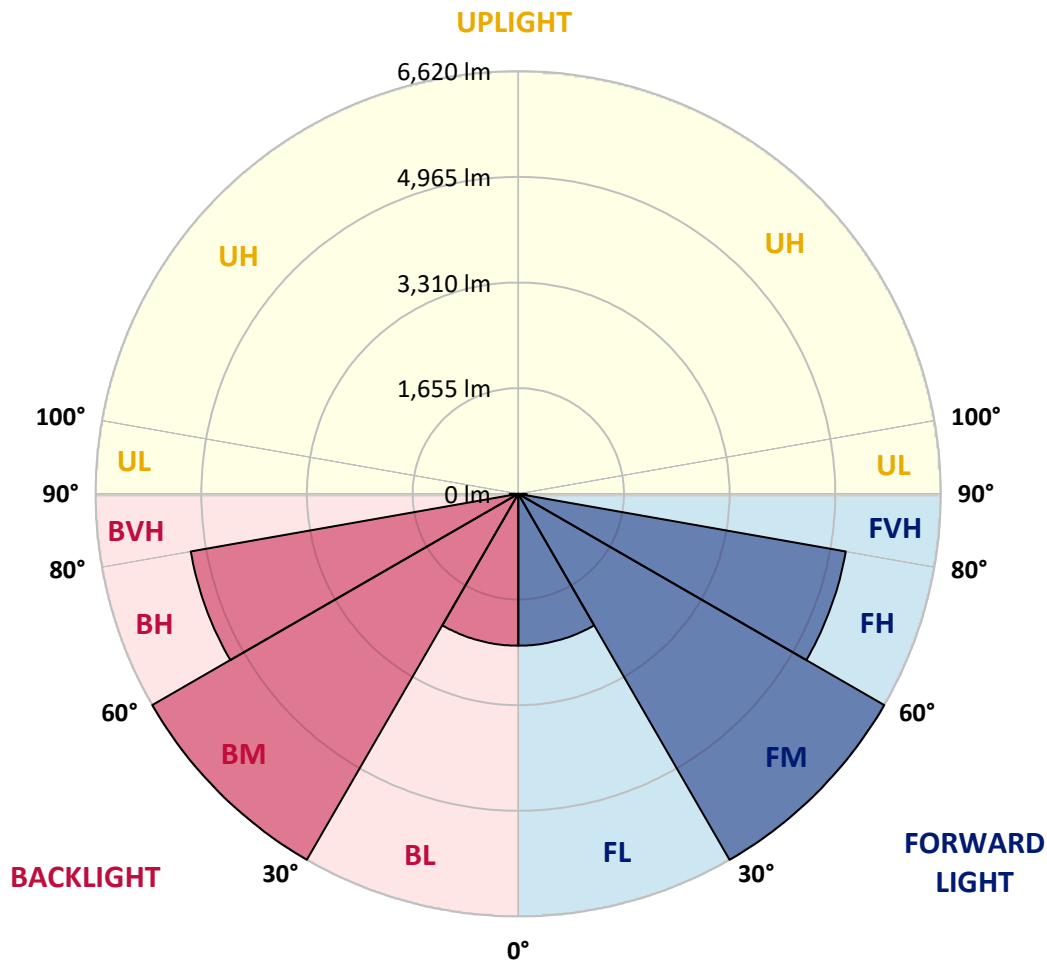


REPORT NUMBER: P848094
 CATALOG NUMBER: GLAN-SB4C-730-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2379.0	8.3			
FM (30°-60°)	6620.4	23.1			
FH (60°-80°)	5210.0	18.2			G3/7500
FVH (80°-90°)	131.5	0.5			G2/225
BL (0°-30°)	2379.0	8.3	B3/2500		
BM (30°-60°)	6620.4	23.1	B4/8500		
BH (60°-80°)	5210.0	18.2	B5		G5
BVH (80°-90°)	131.5	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type I Short



REPORT NUMBER: P848094
 CATALOG NUMBER: GLAN-SB4C-730-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5359.5	5359.5	5359.5	5359.5	5359.5	5359.5	5359.5	5359.5	5359.5	5359.5
2.5°	5364.1	5370.2	5370.2	5365.6	5376.3	5367.2	5367.2	5362.6	5367.2	5362.6
5°	5391.5	5399.2	5402.2	5400.7	5414.4	5406.8	5406.8	5400.7	5402.2	5397.6
7.5°	5443.4	5454.0	5460.1	5467.8	5487.6	5478.4	5472.3	5454.0	5446.4	5434.2
10°	5460.1	5472.3	5492.2	5531.8	5577.5	5579.0	5560.7	5515.0	5480.0	5452.5
12.5°	5408.3	5425.1	5466.2	5547.0	5649.2	5690.3	5661.4	5585.1	5516.5	5467.8
15°	5342.8	5361.1	5423.6	5545.5	5696.4	5792.4	5789.4	5688.8	5579.0	5502.8
17.5°	5240.6	5258.9	5348.9	5519.6	5733.0	5891.5	5934.2	5830.6	5676.6	5574.5
20°	5056.2	5073.0	5198.0	5437.3	5745.2	5996.7	6108.0	6016.5	5824.5	5685.7
22.5°	4816.9	4842.8	4989.1	5295.5	5716.2	6106.5	6306.1	6243.6	5996.7	5804.6
25°	4560.8	4588.2	4758.9	5121.7	5641.5	6185.7	6540.9	6501.3	6191.8	5952.5
27.5°	4339.8	4368.7	4554.7	4949.5	5525.7	6216.2	6772.6	6792.4	6428.1	6115.6
30°	4166.0	4193.4	4391.6	4810.8	5376.3	6185.7	6975.3	7112.5	6668.9	6257.4
32.5°	3975.4	4010.5	4219.3	4641.6	5199.5	6112.6	7152.1	7458.5	6947.9	6409.8
35°	3734.6	3766.6	3986.1	4409.9	4967.8	5995.2	7300.0	7842.7	7347.3	6641.5
37.5°	3441.9	3472.4	3690.4	4120.3	4737.6	5830.6	7412.8	8275.6	7822.8	6975.3
40°	3147.7	3176.7	3381.0	3797.1	4461.7	5620.2	7452.4	8699.3	8368.6	7434.1
42.5°	2877.9	2903.8	3091.3	3478.5	4152.3	5351.9	7400.6	9068.2	8857.9	7754.3
45°	2629.5	2652.3	2818.5	3179.7	3830.6	5025.7	7245.1	9464.5	9440.2	7982.9
47.5°	2345.9	2368.8	2541.1	2890.1	3509.0	4643.1	6981.4	9854.8	10249.6	8501.2
50°	1999.9	2019.7	2196.6	2556.3	3175.2	4236.1	6615.6	10161.2	11270.9	9286.2
52.5°	1589.9	1611.2	1783.5	2143.2	2778.8	3798.6	6133.9	10360.9	12450.7	10432.5
55°	1182.9	1198.1	1347.5	1670.7	2288.0	3300.2	5530.3	10417.3	13789.1	11999.5
57.5°	858.2	867.3	963.4	1204.2	1734.7	2676.7	4797.1	10270.9	15382.0	14008.6
60°	695.1	698.1	727.1	833.8	1205.7	1972.5	3911.4	9767.9	17110.6	16598.4
62.5°	631.1	631.1	638.7	667.7	815.5	1301.8	2839.8	8725.2	18964.2	19871.1
65°	586.9	586.9	589.9	603.6	643.3	829.2	1792.6	7027.1	20526.6	23704.8
67.5°	547.2	548.8	547.2	551.8	574.7	612.8	1039.6	4853.5	21368.0	27677.2
70°	506.1	509.1	501.5	501.5	519.8	521.3	650.9	2661.5	20669.9	31006.3
72.5°	457.3	461.9	449.7	446.6	460.3	454.2	489.3	1277.4	17746.2	32000.2
75°	414.6	420.7	393.3	385.7	385.7	381.1	397.8	655.5	11517.8	26104.1
77.5°	376.5	388.7	344.5	320.1	314.0	300.3	324.7	400.9	5037.9	12255.6
80°	311.0	327.7	283.5	254.6	243.9	228.6	256.1	280.5	1498.4	2845.9
82.5°	231.7	239.3	201.2	181.4	172.2	161.6	192.1	195.1	487.8	1007.6
85°	147.9	150.9	123.5	106.7	102.1	97.6	121.9	106.7	186.0	740.8
87.5°	51.8	59.4	47.3	42.7	45.7	38.1	56.4	32.0	51.8	522.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5359.5
5362.6
5397.6
5434.2
5447.9
5460.1
5490.6
5557.7
5659.8
5769.6
5903.7
6063.8
6182.7
6315.3
6536.3
6835.1
7284.8
7562.2
7723.8
8202.4
8911.2
9970.6
11421.8
13281.5
15682.3
18644.0
22153.0
26002.0
30565.8
33158.7
27921.1
12001.0
2725.5
1138.7
1076.2
647.8
0.0

OF REPORT)