

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: P850814

Luminaire Tested: **GLAN-SB8C-730-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850814
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-SB8C-730-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 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: 57870 lumens
Efficiency: N/A
Efficacy: 144.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

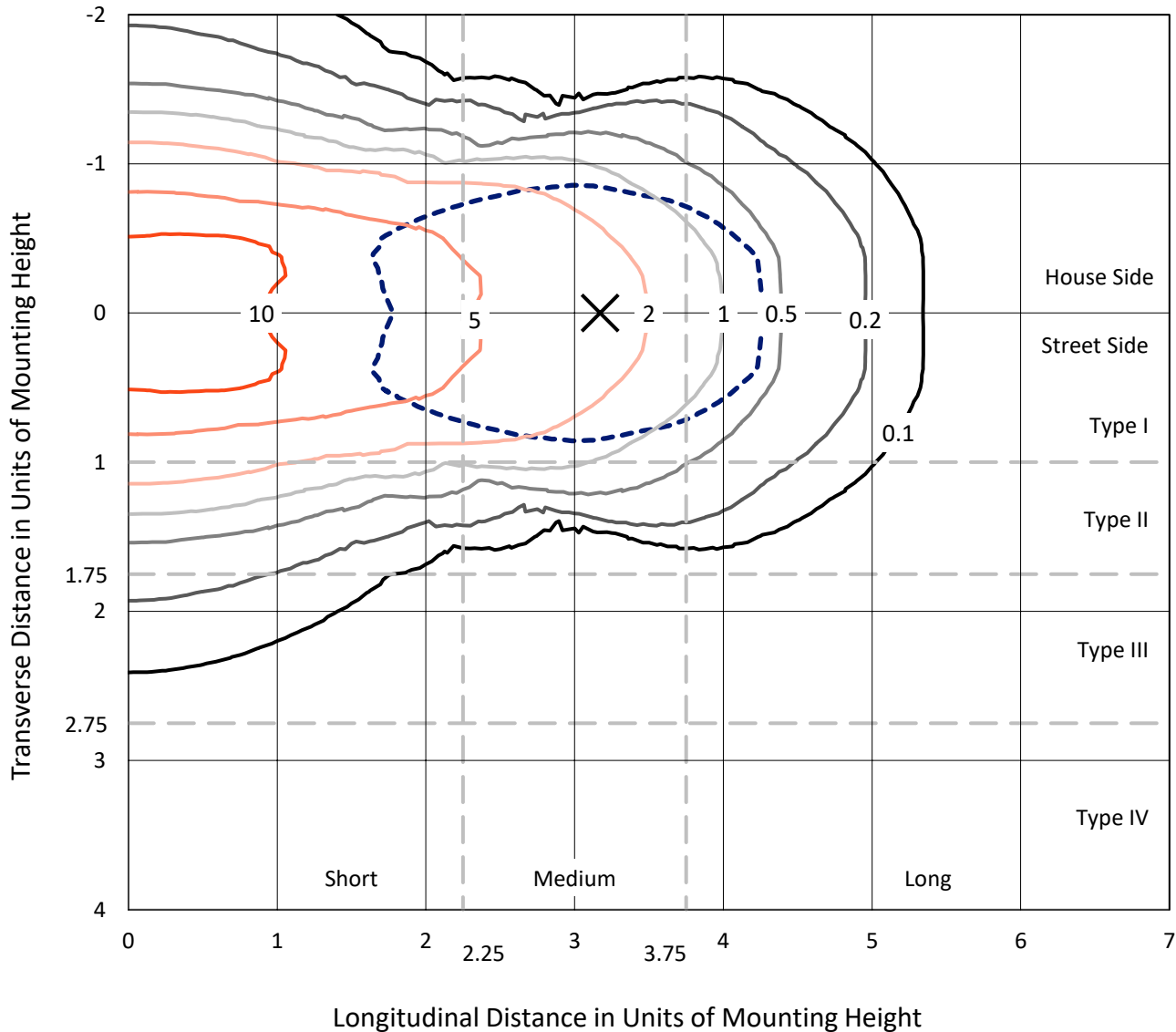
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850814
 CATALOG NUMBER: GLAN-SB8C-730-U-T1

Iso-Footcandle Lines of Horizontal Illumination

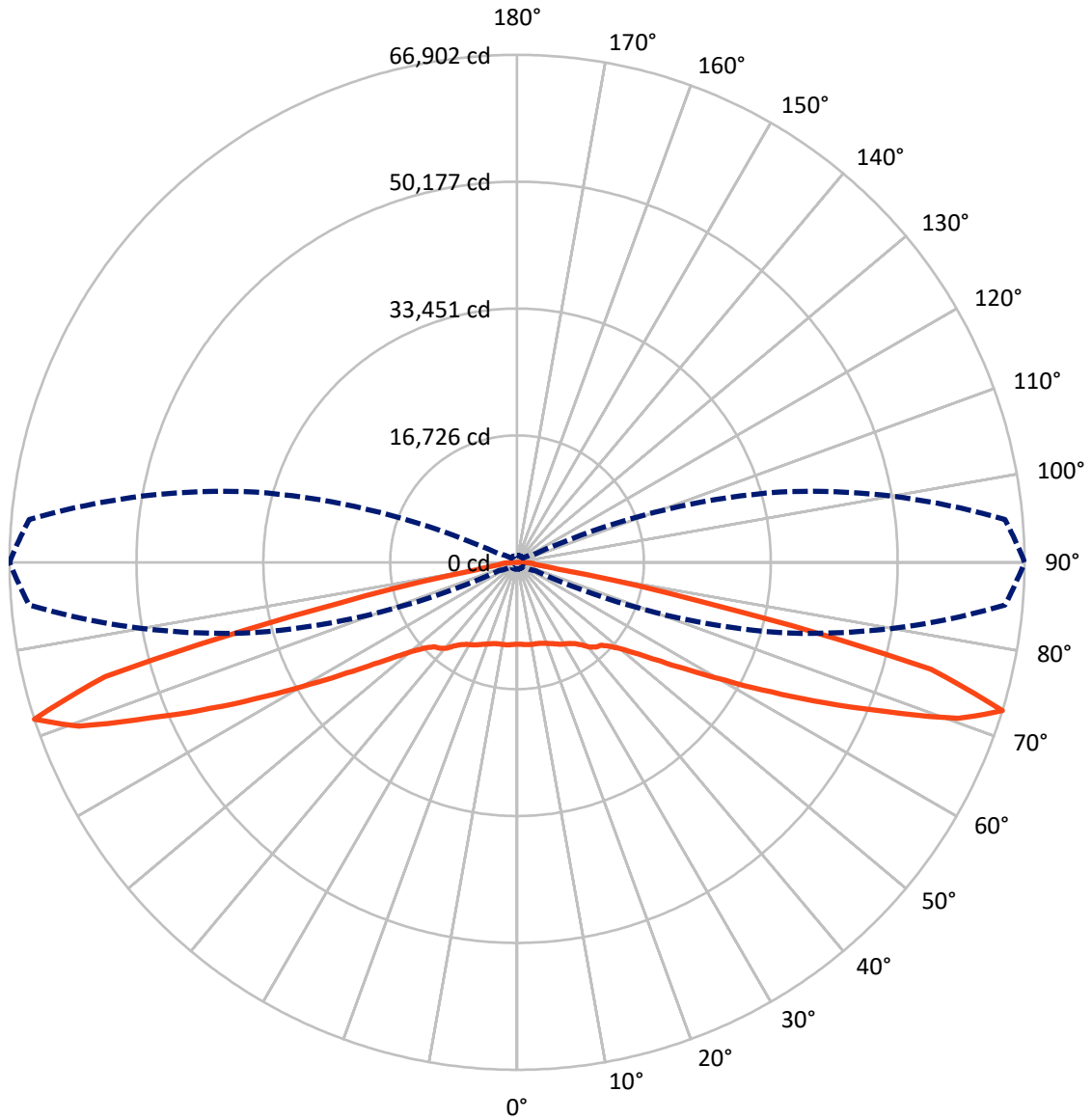
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.3 fc
 Type I - Short - N/A

REPORT NUMBER: P850814
CATALOG NUMBER: GLAN-SB8C-730-U-T1

Luminous Intensity Polar Plot



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

REPORT NUMBER: P850814
 CATALOG NUMBER: GLAN-SB8C-730-U-T1

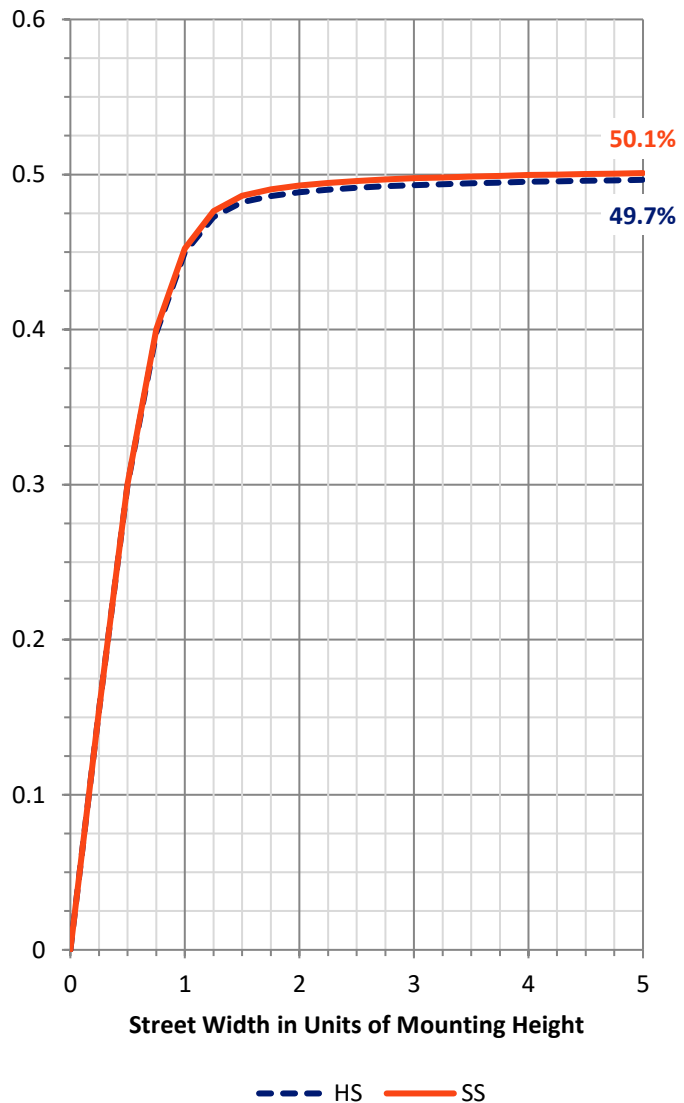
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28935.0	0.0	28935.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28935.0	0.0	28935.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	57870.0	0.0	57870.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1048.5	1.8
10°-20°	3205.9	5.5
20°-30°	5345.6	9.2
30°-40°	7351.9	12.7
40°-50°	8978.6	15.5
50°-60°	10384.7	17.9
60°-70°	12382.1	21.4
70°-80°	8641.9	14.9
80°-90°	530.8	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°	57870.0	100.0
0°-180°	57870.0	100.0

Coefficient of Utilization

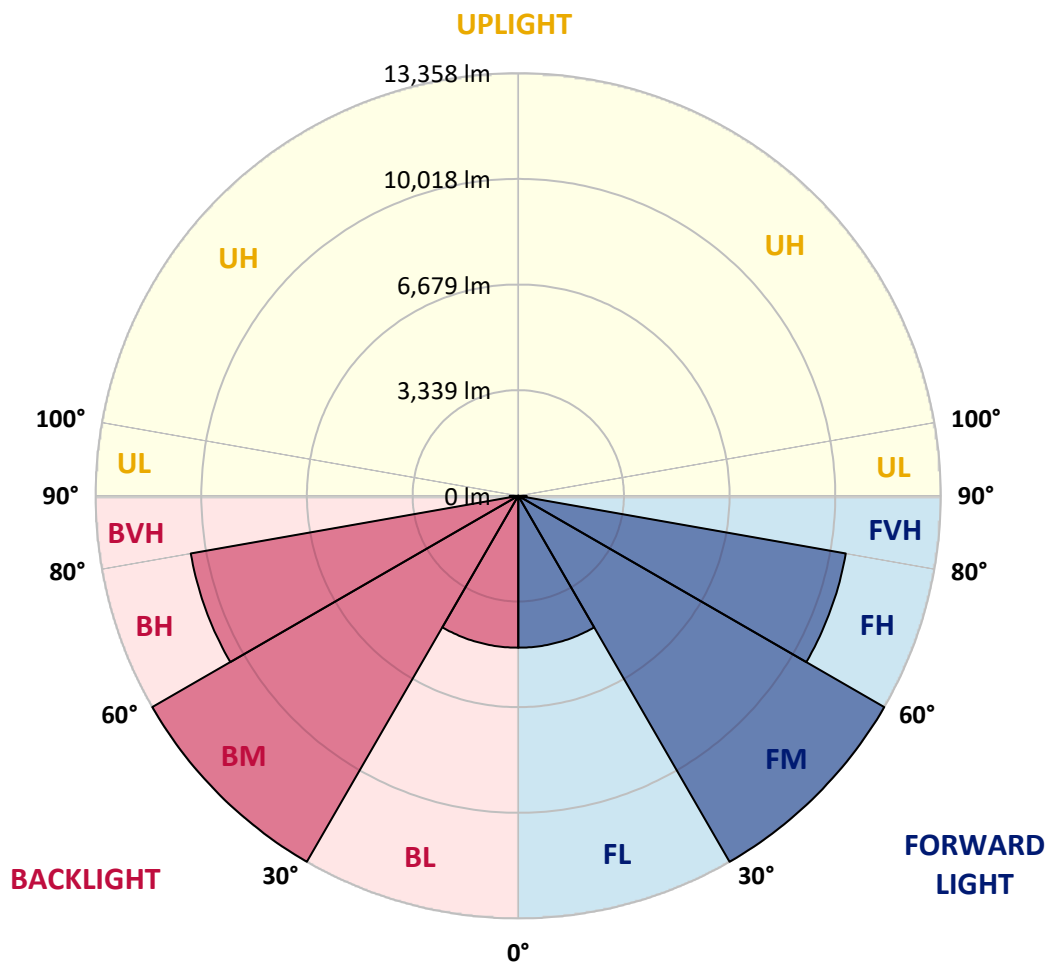


REPORT NUMBER: P850814
 CATALOG NUMBER: GLAN-SB8C-730-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4800.0	8.3			
FM (30°-60°)	13357.6	23.1			
FH (60°-80°)	10512.0	18.2			G4/12000
FVH (80°-90°)	265.4	0.5			G3/500
BL (0°-30°)	4800.0	8.3	B4/5000		
BM (30°-60°)	13357.6	23.1	B5		
BH (60°-80°)	10512.0	18.2	B5		G5
BVH (80°-90°)	265.4	0.5			G3/500
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: P850814
 CATALOG NUMBER: GLAN-SB8C-730-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10813.6	10813.6	10813.6	10813.6	10813.6	10813.6	10813.6	10813.6	10813.6	10813.6
2.5°	10822.8	10835.1	10835.1	10825.9	10847.5	10829.0	10829.0	10819.8	10829.0	10819.8
5°	10878.2	10893.6	10899.7	10896.7	10924.3	10909.0	10909.0	10896.7	10899.7	10890.5
7.5°	10982.8	11004.3	11016.6	11032.0	11072.0	11053.5	11041.2	11004.3	10988.9	10964.3
10°	11016.6	11041.2	11081.2	11161.2	11253.4	11256.5	11219.6	11127.3	11056.6	11001.2
12.5°	10912.0	10945.9	11028.9	11191.9	11398.0	11481.0	11422.6	11268.8	11130.4	11032.0
15°	10779.8	10816.7	10942.8	11188.8	11493.3	11687.1	11680.9	11477.9	11256.5	11102.7
17.5°	10573.7	10610.6	10792.1	11136.6	11567.1	11887.0	11973.1	11764.0	11453.3	11247.3
20°	10201.6	10235.4	10487.6	10970.5	11591.7	12099.2	12323.7	12139.2	11751.7	11471.8
22.5°	9718.7	9771.0	10066.3	10684.4	11533.3	12320.6	12723.5	12597.4	12099.2	11711.7
25°	9202.0	9257.4	9601.9	10333.8	11382.6	12480.6	13197.2	13117.2	12492.9	12010.0
27.5°	8756.1	8814.5	9189.7	9986.3	11148.9	12542.1	13664.7	13704.6	12969.6	12339.1
30°	8405.5	8460.8	8860.6	9706.4	10847.5	12480.6	14073.7	14350.5	13455.5	12625.1
32.5°	8021.0	8091.8	8513.1	9365.0	10490.7	12332.9	14430.5	15048.6	14018.3	12932.7
35°	7535.1	7599.7	8042.6	8897.6	10023.2	12096.1	14728.8	15823.7	14824.1	13400.2
37.5°	6944.6	7006.1	7445.9	8313.2	9558.8	11764.0	14956.4	16697.1	15783.7	14073.7
40°	6351.0	6409.4	6821.6	7661.2	9002.1	11339.5	15036.3	17552.1	16884.7	14999.4
42.5°	5806.6	5858.9	6237.2	7018.4	8377.8	10798.2	14931.8	18296.4	17872.0	15645.3
45°	5305.3	5351.5	5686.7	6415.6	7728.8	10140.1	14618.1	19096.1	19046.9	16106.6
47.5°	4733.3	4779.4	5126.9	5831.2	7079.9	9368.1	14086.0	19883.4	20680.0	17152.3
50°	4035.1	4075.1	4431.9	5157.7	6406.4	8546.9	13347.9	20501.6	22740.6	18736.2
52.5°	3207.8	3250.9	3598.4	4324.2	5606.7	7664.3	12376.0	20904.5	25121.1	21049.0
55°	2386.6	2417.4	2718.8	3370.8	4616.4	6658.6	11158.1	21018.3	27821.4	24210.7
57.5°	1731.5	1750.0	1943.7	2429.7	3500.0	5400.7	9678.7	20723.0	31035.3	28264.3
60°	1402.4	1408.6	1467.0	1682.3	2432.8	3979.8	7891.9	19708.1	34523.0	33489.6
62.5°	1273.3	1273.3	1288.7	1347.1	1645.4	2626.5	5729.7	17604.4	38262.9	40092.8
65°	1184.1	1184.1	1190.2	1217.9	1297.9	1673.1	3616.8	14178.3	41415.3	47827.8
67.5°	1104.1	1107.2	1104.1	1113.3	1159.5	1236.4	2097.5	9792.5	43113.0	55842.7
70°	1021.1	1027.2	1011.9	1011.9	1048.8	1051.8	1313.3	5369.9	41704.4	62559.7
72.5°	922.7	931.9	907.3	901.1	928.8	916.5	987.3	2577.3	35805.5	64564.9
75°	836.5	848.9	793.5	778.1	778.1	768.9	802.7	1322.5	23238.8	52668.7
77.5°	759.7	784.3	695.1	645.9	633.6	605.9	655.1	808.9	10164.7	24727.4
80°	627.4	661.2	572.1	513.6	492.1	461.3	516.7	565.9	3023.3	5742.0
82.5°	467.5	482.9	406.0	366.0	347.5	326.0	387.5	393.7	984.2	2032.9
85°	298.3	304.5	249.1	215.3	206.1	196.8	246.0	215.3	375.2	1494.7
87.5°	104.6	119.9	95.3	86.1	92.3	76.9	113.8	64.6	104.6	1054.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

10813.6
10819.8
10890.5
10964.3
10992.0
11016.6
11078.1
11213.4
11419.5
11640.9
11911.6
12234.5
12474.4
12742.0
13187.9
13790.7
14698.0
15257.8
15583.8
16549.5
17979.6
20117.1
23045.1
26797.2
31641.2
37617.0
44696.9
52462.7
61670.9
66902.4
56334.8
24213.8
5499.1
2297.4
2171.3
1307.1
0.0

OF REPORT)