

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: P849961

Luminaire Tested: **GLAN-SB7B-730-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849961
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7B-730-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39129 lumens
Efficiency: N/A
Efficacy: 152.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

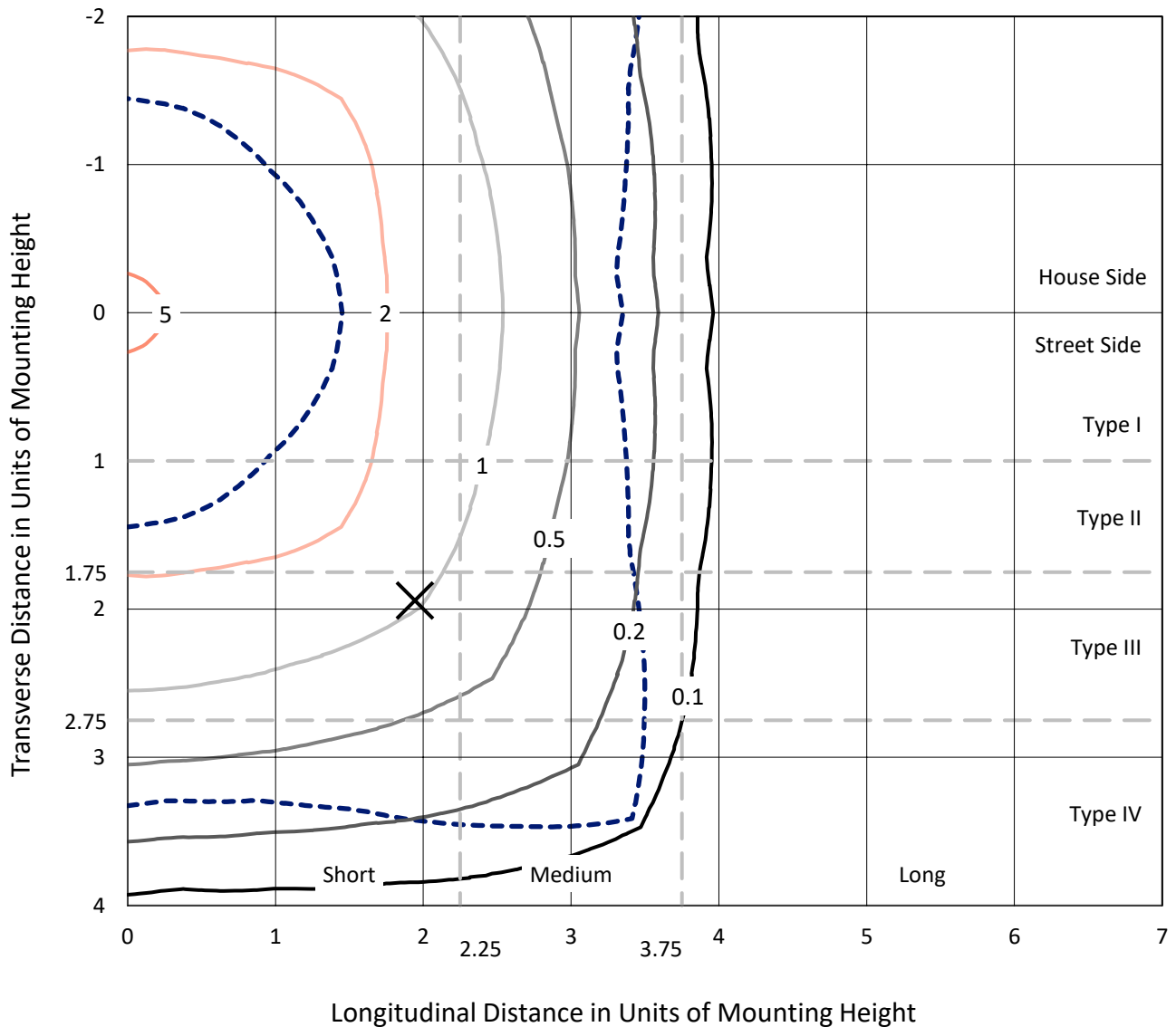
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P849961
 CATALOG NUMBER: GLAN-SB7B-730-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

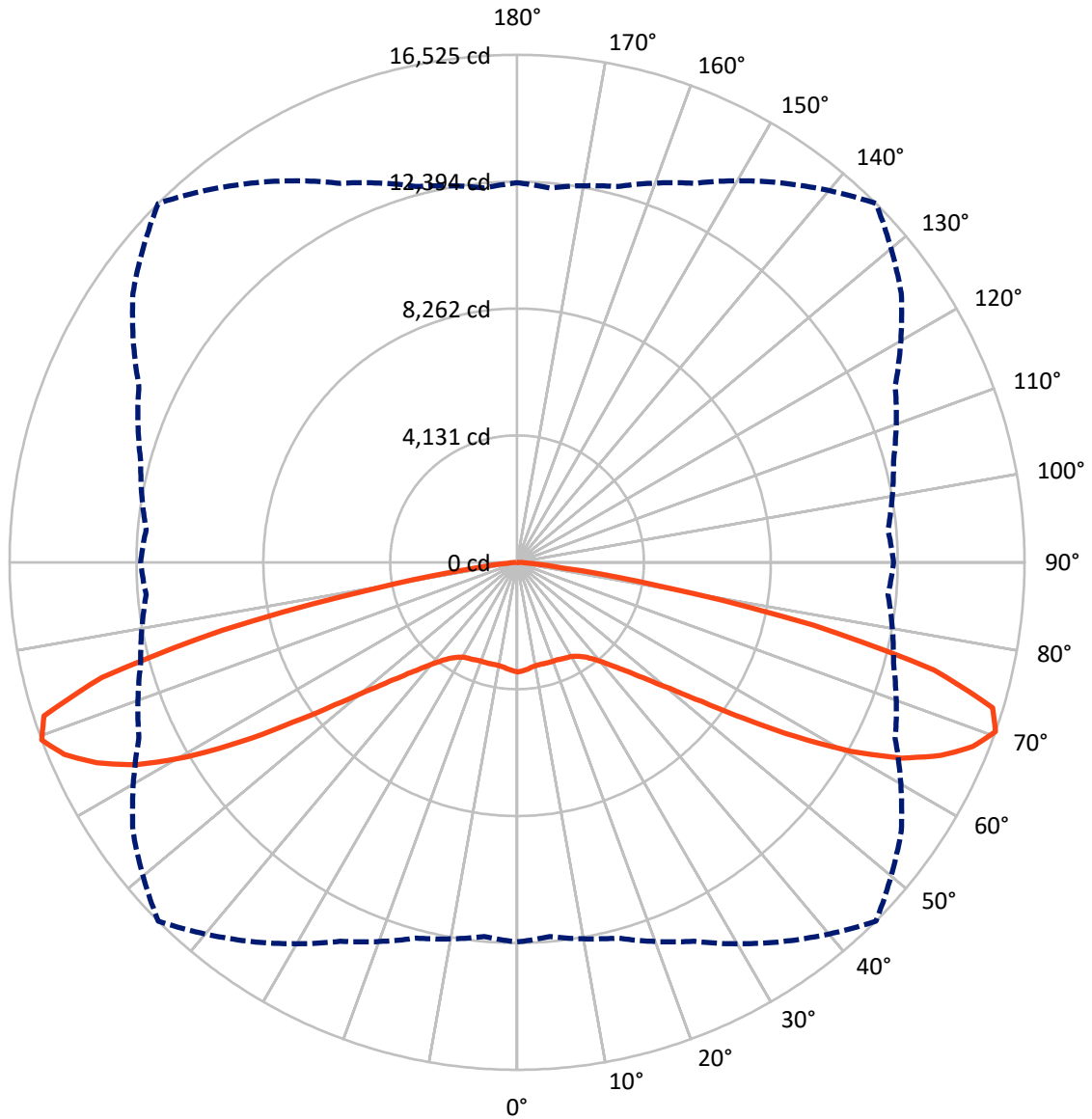
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type V - Short - N/A

REPORT NUMBER: P849961
CATALOG NUMBER: GLAN-SB7B-730-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P849961
 CATALOG NUMBER: GLAN-SB7B-730-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19564.5	0.0	19564.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19564.5	0.0	19564.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	39129.0	0.0	39129.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.0	0.8
10°-20°	974.9	2.5
20°-30°	1622.4	4.1
30°-40°	2453.6	6.3
40°-50°	4077.3	10.4
50°-60°	7693.7	19.7
60°-70°	12991.2	33.2
70°-80°	8536.6	21.8
80°-90°	447.2	1.1
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°	39129.0	100.0
0°-180°	39129.0	100.0

Coefficient of Utilization

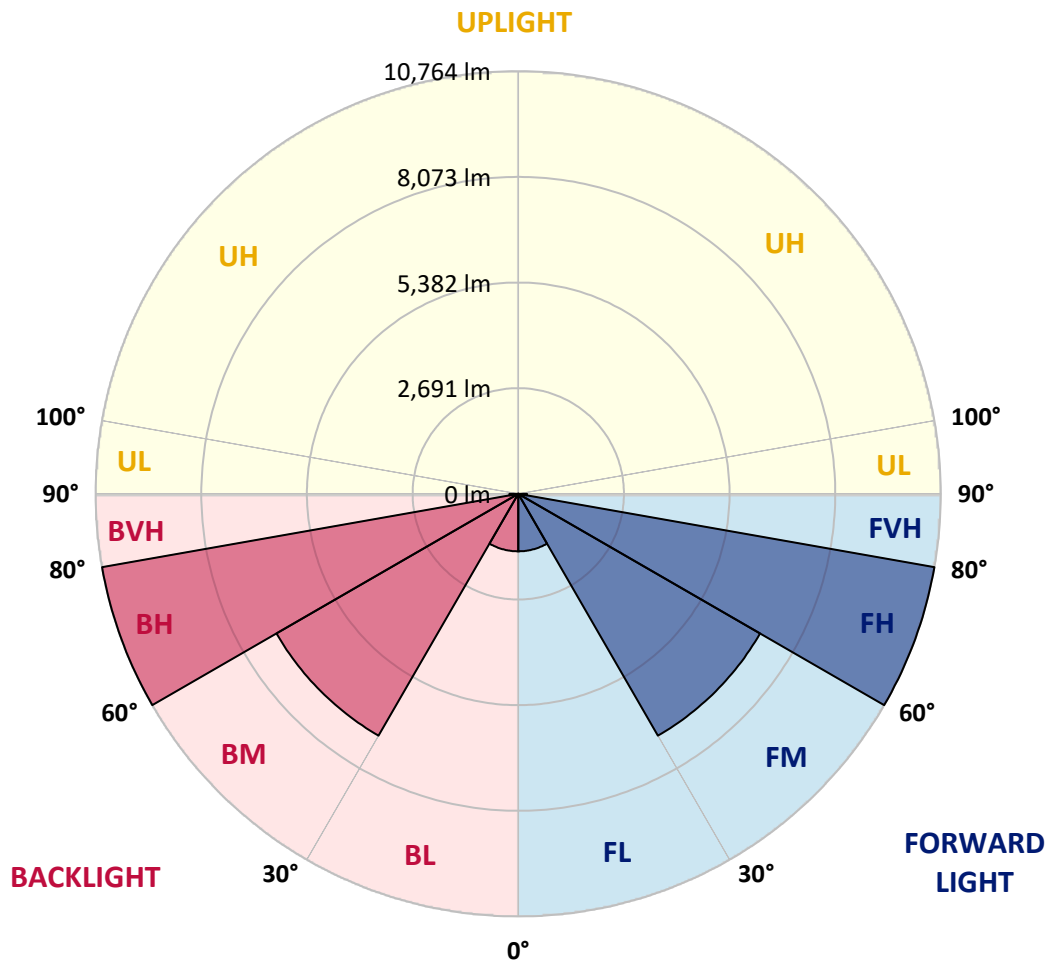


REPORT NUMBER: P849961
 CATALOG NUMBER: GLAN-SB7B-730-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1464.7	3.7			
FM (30°-60°)	7112.3	18.2			
FH (60°-80°)	10763.9	27.5			G4/12000
FVH (80°-90°)	223.6	0.6			G2/225
BL (0°-30°)	1464.7	3.7	B3/2500		
BM (30°-60°)	7112.3	18.2	B4/8500		
BH (60°-80°)	10763.9	27.5	B5		G4/12000
BVH (80°-90°)	223.6	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
 Type V Short



REPORT NUMBER: P849961

CATALOG NUMBER: GLAN-SB7B-730-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3569.4	3569.4	3569.4	3569.4	3569.4	3569.4	3569.4	3569.4	3569.4	3569.4
2.5°	3547.0	3557.1	3553.1	3544.9	3544.9	3538.8	3544.9	3549.0	3555.1	3559.2
5°	3500.2	3508.3	3506.3	3500.2	3502.2	3496.1	3500.2	3506.3	3510.4	3512.4
7.5°	3459.5	3467.7	3463.6	3453.4	3453.4	3447.3	3449.4	3455.5	3461.6	3463.6
10°	3449.4	3457.5	3445.3	3429.0	3422.9	3414.8	3416.8	3422.9	3435.1	3441.2
12.5°	3453.4	3459.5	3447.3	3422.9	3416.8	3408.7	3408.7	3414.8	3431.1	3439.2
15°	3465.6	3471.7	3453.4	3427.0	3420.9	3414.8	3412.7	3420.9	3439.2	3453.4
17.5°	3488.0	3494.1	3465.6	3429.0	3420.9	3422.9	3420.9	3427.0	3455.5	3481.9
20°	3508.3	3512.4	3473.8	3429.0	3420.9	3422.9	3420.9	3433.1	3469.7	3506.3
22.5°	3514.4	3518.5	3481.9	3443.3	3437.2	3439.2	3437.2	3449.4	3483.9	3520.5
25°	3516.5	3522.6	3494.1	3463.6	3473.8	3477.8	3473.8	3475.8	3502.2	3534.8
27.5°	3547.0	3555.1	3528.7	3502.2	3508.3	3506.3	3512.4	3518.5	3538.8	3571.4
30°	3610.0	3616.1	3593.8	3567.3	3563.3	3549.0	3567.3	3587.7	3610.0	3638.5
32.5°	3713.8	3726.0	3697.5	3669.0	3650.7	3642.6	3656.8	3691.4	3721.9	3752.4
35°	3886.6	3894.8	3868.3	3815.4	3782.9	3782.9	3795.1	3839.9	3888.7	3927.3
37.5°	4130.7	4140.9	4094.1	4031.0	3982.2	3982.2	3998.5	4045.3	4118.5	4173.4
40°	4427.6	4441.9	4382.9	4317.8	4271.0	4262.9	4283.2	4336.1	4405.3	4474.4
42.5°	4785.6	4801.8	4724.6	4667.6	4631.0	4631.0	4641.2	4690.0	4753.0	4838.5
45°	5243.2	5271.7	5165.9	5109.0	5074.4	5082.5	5088.6	5131.3	5188.3	5285.9
47.5°	5788.2	5816.7	5704.9	5645.9	5639.8	5678.4	5654.0	5684.5	5715.0	5826.9
50°	6406.5	6455.3	6378.1	6374.0	6386.2	6457.4	6400.4	6416.7	6382.1	6453.3
52.5°	7163.1	7234.3	7220.1	7244.5	7380.7	7527.2	7397.0	7340.1	7209.9	7232.3
55°	8080.4	8188.2	8208.5	8354.9	8664.1	8963.0	8686.4	8456.6	8180.0	8129.2
57.5°	9123.7	9209.1	9306.8	9605.7	10183.3	10714.2	10183.3	9674.9	9239.6	9135.9
60°	10246.4	10352.1	10445.7	10887.0	11745.3	12491.7	11729.0	10921.6	10346.0	10205.7
62.5°	11452.4	11588.7	11653.8	12143.9	13144.6	14035.4	13158.8	12180.5	11541.9	11391.4
65°	12609.7	12721.5	12794.8	13317.4	14273.3	15166.2	14338.4	13374.4	12717.5	12520.2
67.5°	13148.6	13209.7	13388.6	13980.5	14989.2	16008.2	15160.1	14043.5	13309.3	12963.6
70°	12359.5	12235.5	12666.6	13614.4	15074.7	16524.8	15269.9	13585.9	12687.0	12125.6
72.5°	9550.8	9337.3	10085.7	11706.7	14098.4	16195.3	14196.1	11798.2	10551.5	9412.5
75°	5196.4	4954.4	5987.6	8037.7	11243.0	14037.4	11501.2	8267.5	6666.9	5157.8
77.5°	1466.4	1374.9	2208.7	3888.7	6762.4	9855.9	7022.8	3974.1	2619.6	1553.8
80°	449.5	435.2	589.8	1171.5	2871.8	4720.5	2759.9	1185.7	750.5	473.9
82.5°	266.4	244.1	292.9	427.1	732.2	1482.7	711.8	445.4	358.0	240.0
85°	152.5	142.4	172.9	207.4	246.1	315.2	205.4	211.5	191.2	128.1
87.5°	63.0	56.9	67.1	65.1	56.9	73.2	54.9	65.1	77.3	50.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3569.4
3557.1
3512.4
3463.6
3441.2
3441.2
3455.5
3481.9
3508.3
3520.5
3532.7
3563.3
3632.4
3740.2
3913.1
4153.1
4452.0
4832.4
5281.8
5794.4
6410.6
7157.0
8049.9
9062.7
10083.7
11269.4
12422.6
12967.6
12259.9
9695.2
5493.3
1726.7
500.3
260.3
134.2
46.8
0.0

OF REPORT)