

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: P851321

Luminaire Tested: **GLAN-SB9B-730-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851321
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-SB9B-730-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 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: 50115 lumens
Efficiency: N/A
Efficacy: 152.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

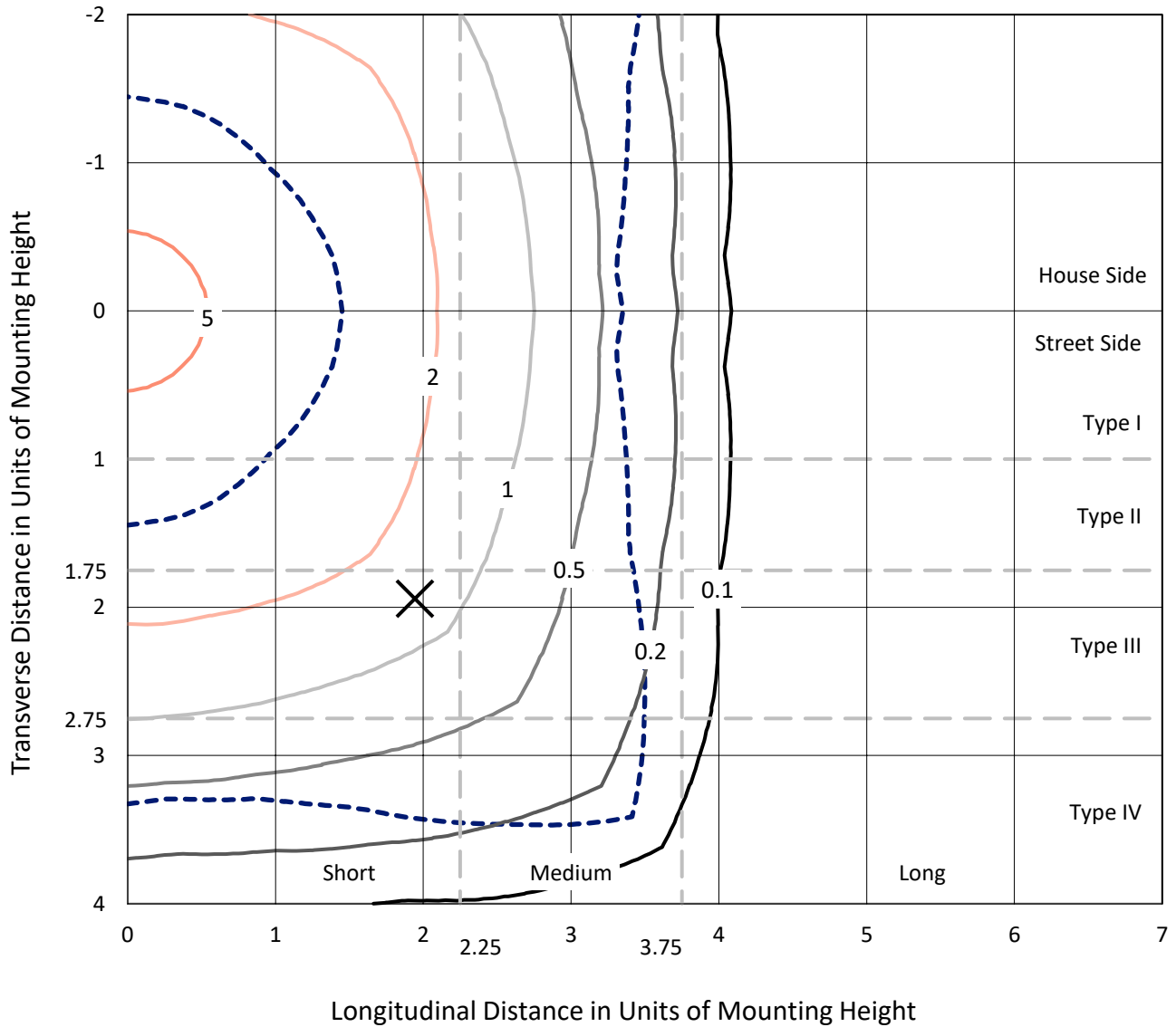
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P851321
 CATALOG NUMBER: GLAN-SB9B-730-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

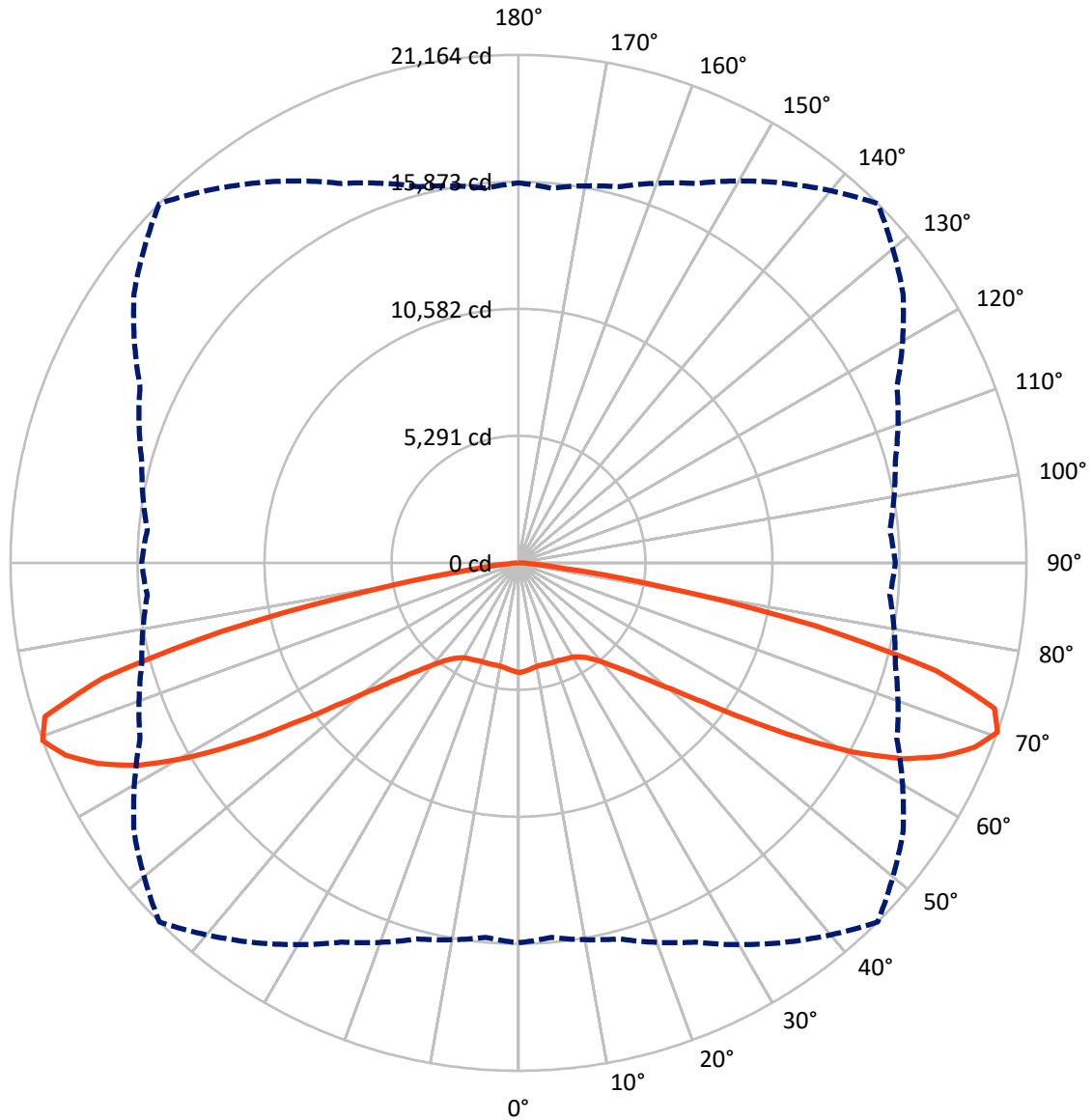
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type V - Short - N/A

REPORT NUMBER: P851321
CATALOG NUMBER: GLAN-SB9B-730-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P851321
 CATALOG NUMBER: GLAN-SB9B-730-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25057.5	0.0	25057.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25057.5	0.0	25057.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	50115.0	0.0	50115.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	425.3	0.8
10°-20°	1248.7	2.5
20°-30°	2077.9	4.1
30°-40°	3142.5	6.3
40°-50°	5222.1	10.4
50°-60°	9853.9	19.7
60°-70°	16638.6	33.2
70°-80°	10933.3	21.8
80°-90°	572.8	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°	50115.0	100.0
0°-180°	50115.0	100.0

Coefficient of Utilization



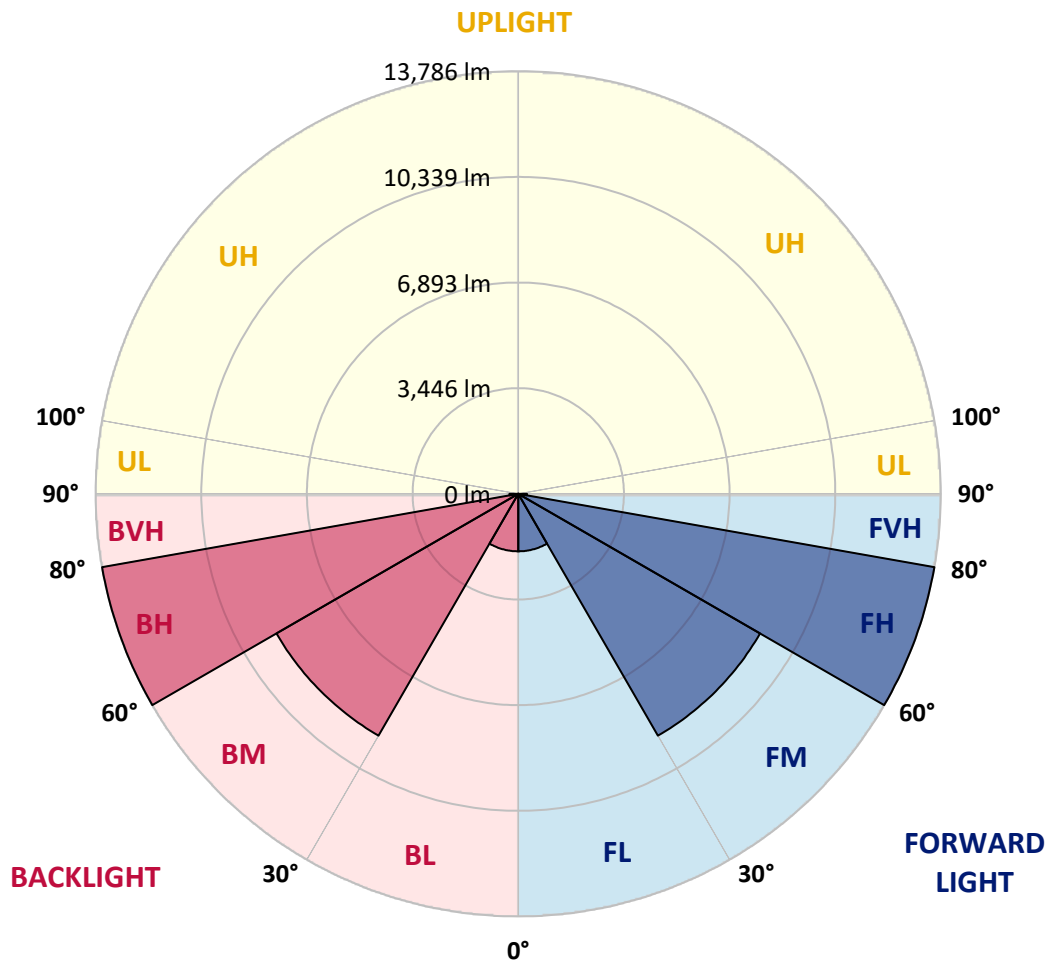
REPORT NUMBER: P851321
 CATALOG NUMBER: GLAN-SB9B-730-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1875.9	3.7			
FM (30°-60°)	9109.2	18.2			
FH (60°-80°)	13786.0	27.5			G5
FVH (80°-90°)	286.4	0.6			G3/500
BL (0°-30°)	1875.9	3.7	B3/2500		
BM (30°-60°)	9109.2	18.2	B5		
BH (60°-80°)	13786.0	27.5	B5		G5
BVH (80°-90°)	286.4	0.6			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 V Short



REPORT NUMBER: P851321
 CATALOG NUMBER: GLAN-SB9B-730-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4571.5	4571.5	4571.5	4571.5	4571.5	4571.5	4571.5	4571.5	4571.5	4571.5
2.5°	4542.8	4555.9	4550.7	4540.2	4540.2	4532.4	4540.2	4545.4	4553.3	4558.5
5°	4482.9	4493.4	4490.7	4482.9	4485.5	4477.7	4482.9	4490.7	4496.0	4498.6
7.5°	4430.8	4441.3	4436.0	4423.0	4423.0	4415.2	4417.8	4425.6	4433.4	4436.0
10°	4417.8	4428.2	4412.6	4391.8	4383.9	4373.5	4376.1	4383.9	4399.6	4407.4
12.5°	4423.0	4430.8	4415.2	4383.9	4376.1	4365.7	4365.7	4373.5	4394.4	4404.8
15°	4438.7	4446.5	4423.0	4389.2	4381.3	4373.5	4370.9	4381.3	4404.8	4423.0
17.5°	4467.3	4475.1	4438.7	4391.8	4381.3	4383.9	4381.3	4389.2	4425.6	4459.5
20°	4493.4	4498.6	4449.1	4391.8	4381.3	4383.9	4381.3	4397.0	4443.9	4490.7
22.5°	4501.2	4506.4	4459.5	4410.0	4402.2	4404.8	4402.2	4417.8	4462.1	4509.0
25°	4503.8	4511.6	4475.1	4436.0	4449.1	4454.3	4449.1	4451.7	4485.5	4527.2
27.5°	4542.8	4553.3	4519.4	4485.5	4493.4	4490.7	4498.6	4506.4	4532.4	4574.1
30°	4623.6	4631.4	4602.8	4568.9	4563.7	4545.4	4568.9	4594.9	4623.6	4660.1
32.5°	4756.4	4772.1	4735.6	4699.1	4675.7	4665.3	4683.5	4727.8	4766.9	4805.9
35°	4977.9	4988.3	4954.4	4886.7	4845.0	4845.0	4860.6	4917.9	4980.5	5029.9
37.5°	5290.4	5303.5	5243.5	5162.8	5100.3	5100.3	5121.1	5181.0	5274.8	5345.1
40°	5670.7	5689.0	5613.4	5530.1	5470.2	5459.7	5485.8	5553.5	5642.1	5730.7
42.5°	6129.2	6150.0	6051.0	5978.1	5931.2	5931.2	5944.2	6006.8	6087.5	6196.9
45°	6715.3	6751.7	6616.3	6543.4	6499.1	6509.5	6517.3	6572.0	6645.0	6770.0
47.5°	7413.4	7449.8	7306.6	7231.0	7223.2	7272.7	7241.5	7280.5	7319.6	7462.9
50°	8205.3	8267.8	8168.8	8163.6	8179.2	8270.4	8197.4	8218.3	8174.0	8265.2
52.5°	9174.3	9265.4	9247.2	9278.4	9453.0	9640.5	9473.8	9400.9	9234.2	9262.8
55°	10349.0	10487.1	10513.1	10700.7	11096.6	11479.5	11125.3	10830.9	10476.7	10411.6
57.5°	11685.3	11794.7	11919.8	12302.7	13042.4	13722.3	13042.4	12391.2	11833.8	11700.9
60°	13123.2	13258.6	13378.5	13943.7	15043.0	15998.9	15022.1	13988.0	13250.8	13071.1
62.5°	14667.9	14842.4	14925.7	15553.5	16835.1	17976.0	16853.3	15600.4	14782.5	14589.7
65°	16150.0	16293.3	16387.1	17056.5	18280.8	19424.3	18364.1	17129.4	16288.1	16035.4
67.5°	16840.3	16918.4	17147.7	17905.7	19197.7	20502.7	19416.5	17986.4	17046.1	16603.3
70°	15829.6	15670.7	16223.0	17436.8	19307.1	21164.3	19557.2	17400.3	16249.0	15530.1
72.5°	12232.3	11958.8	12917.4	14993.5	18056.8	20742.4	18181.8	15110.7	13513.9	12055.2
75°	6655.4	6345.4	7668.7	10294.3	14399.6	17978.6	14730.4	10588.7	8538.7	6605.9
77.5°	1878.1	1760.9	2828.9	4980.5	8661.1	12623.1	8994.5	5089.9	3355.0	1990.1
80°	575.7	557.4	755.4	1500.4	3678.0	6045.8	3534.8	1518.6	961.2	606.9
82.5°	341.2	312.6	375.1	547.0	937.7	1898.9	911.7	570.5	458.5	307.4
85°	195.4	182.3	221.4	265.7	315.2	403.8	263.1	270.9	244.9	164.1
87.5°	80.8	72.9	86.0	83.4	72.9	93.8	70.3	83.4	99.0	65.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4571.5
4555.9
4498.6
4436.0
4407.4
4407.4
4425.6
4459.5
4493.4
4509.0
4524.6
4563.7
4652.2
4790.3
5011.7
5319.1
5702.0
6189.1
6764.8
7421.2
8210.5
9166.4
10310.0
11607.2
12914.8
14433.4
15910.4
16608.5
15702.0
12417.3
7035.7
2211.5
640.8
333.4
171.9
59.9
0.0

OF REPORT)