

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: P850131

Luminaire Tested: **GLAN-SB7C-730-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850131  
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-SB7C-730-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

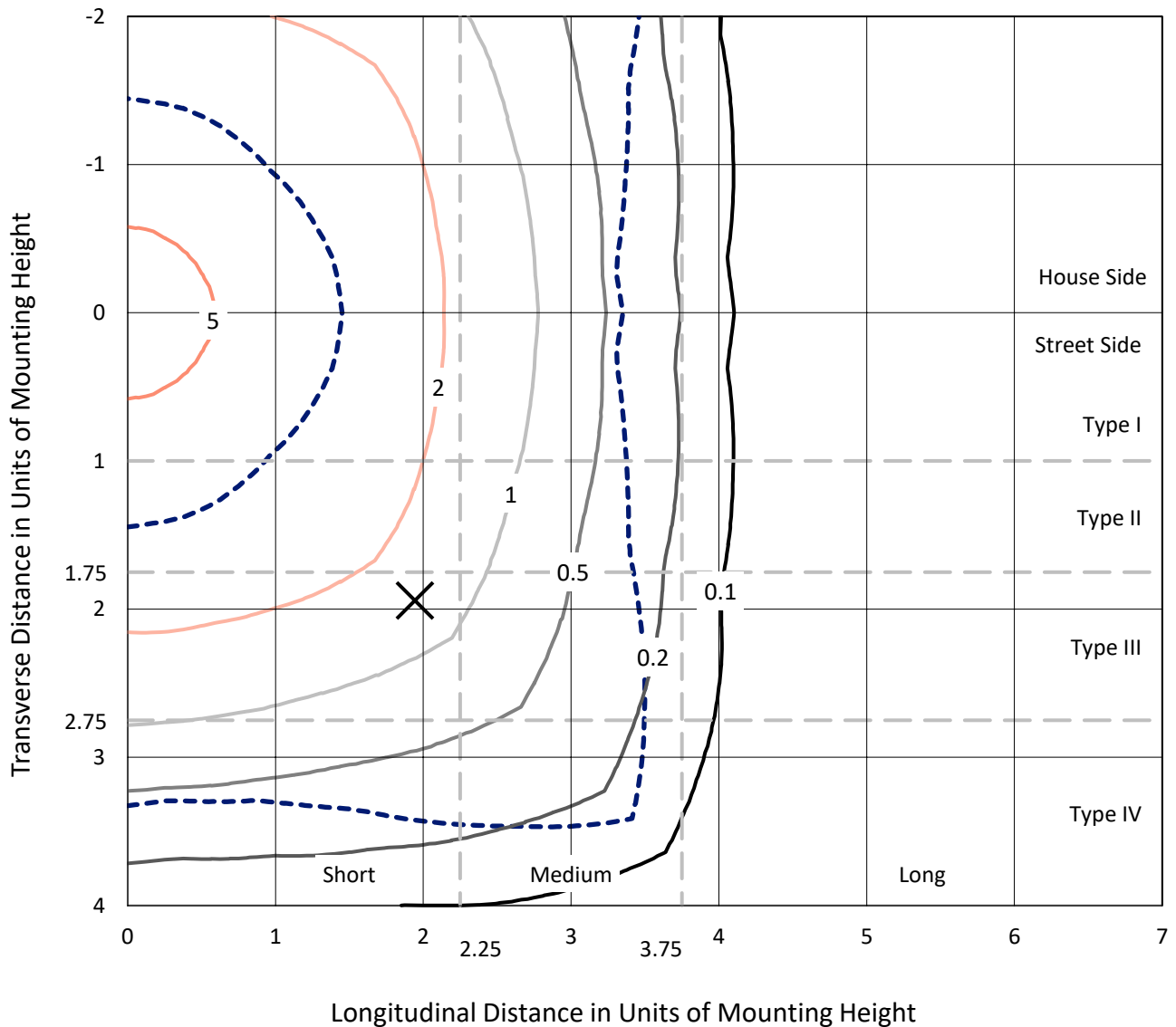
Lumens per Lamp: N/A  
Luminaire Lumens: 52040 lumens  
Efficiency: N/A  
Efficacy: 148.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P850131  
 CATALOG NUMBER: GLAN-SB7C-730-U-5WQ

### Iso-Footcandle Lines of Horizontal Illumination

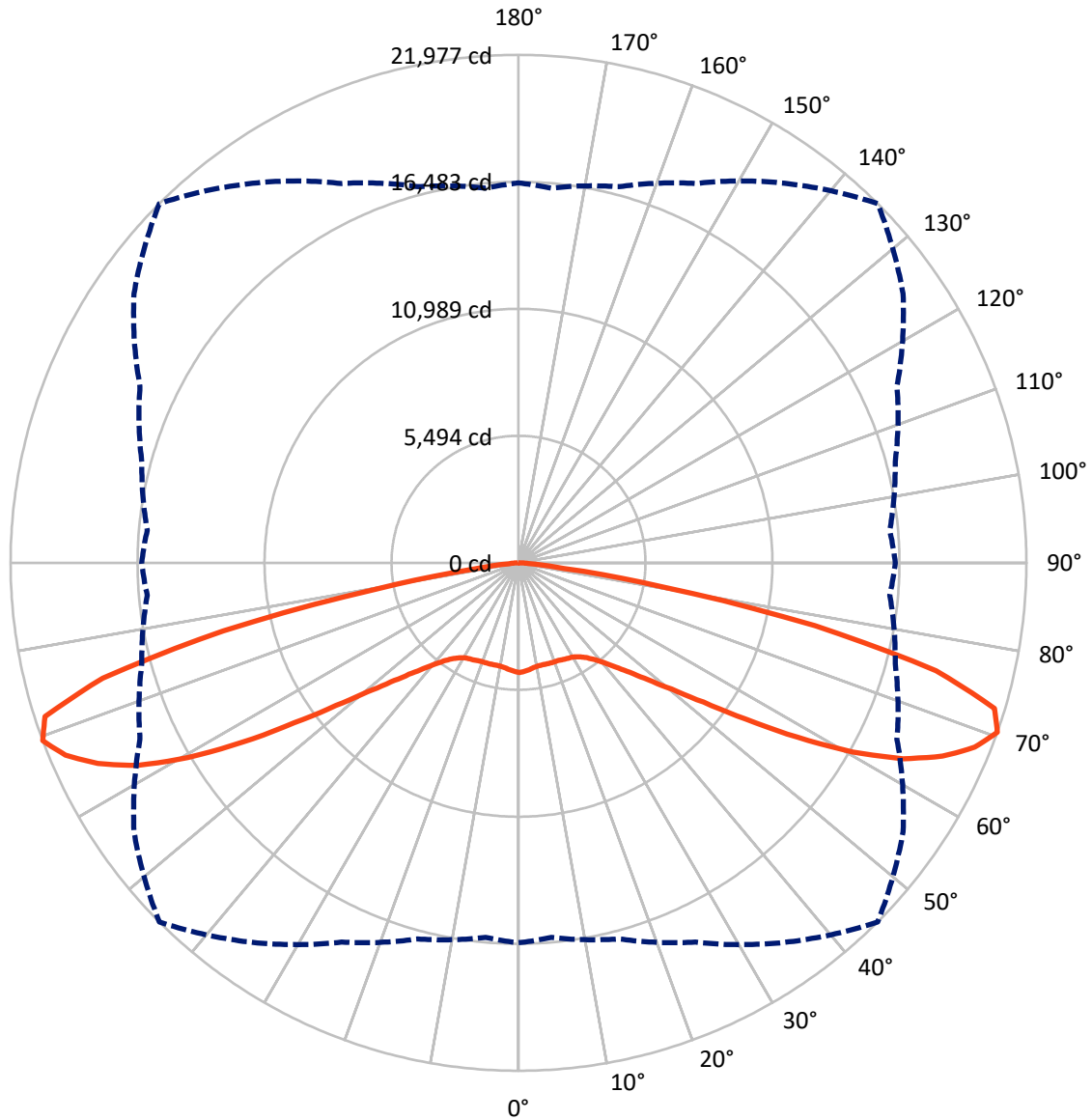
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc  
 Type V - Short - N/A

REPORT NUMBER: P850131  
CATALOG NUMBER: GLAN-SB7C-730-U-5WQ

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P850131  
 CATALOG NUMBER: GLAN-SB7C-730-U-5WQ

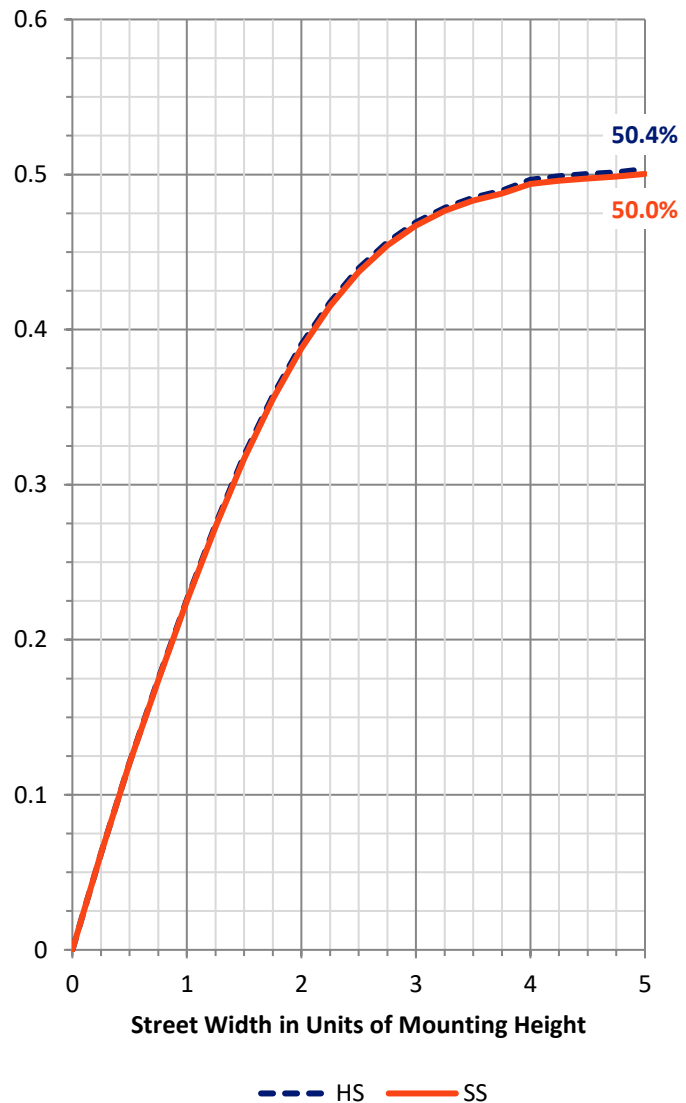
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	26020.0	0.0	26020.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	26020.0	0.0	26020.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	52040.0	0.0	52040.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	441.6	0.8
10°-20°	1296.6	2.5
20°-30°	2157.8	4.1
30°-40°	3263.2	6.3
40°-50°	5422.7	10.4
50°-60°	10232.4	19.7
60°-70°	17277.7	33.2
70°-80°	11353.3	21.8
80°-90°	594.8	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°	52040.0	100.0
0°-180°	52040.0	100.0

**Coefficient of Utilization**



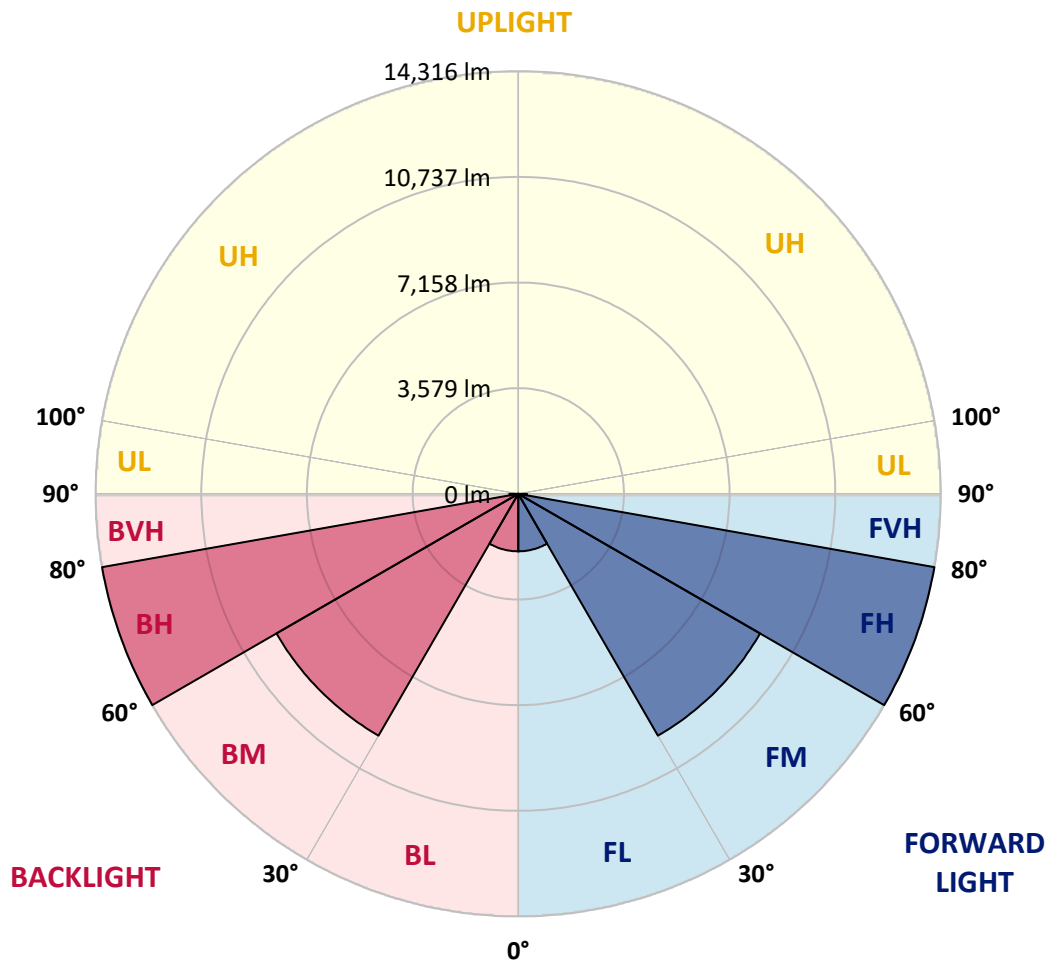
REPORT NUMBER: P850131  
 CATALOG NUMBER: GLAN-SB7C-730-U-5WQ

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1948.0	3.7			
FM (30°-60°)	9459.1	18.2			
FH (60°-80°)	14315.5	27.5			G5
FVH (80°-90°)	297.4	0.6			G3/500
BL (0°-30°)	1948.0	3.7	B3/2500		
BM (30°-60°)	9459.1	18.2	B5		
BH (60°-80°)	14315.5	27.5	B5		G5
BVH (80°-90°)	297.4	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: P850131  
 CATALOG NUMBER: GLAN-SB7C-730-U-5WQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4747.1	4747.1	4747.1	4747.1	4747.1	4747.1	4747.1	4747.1	4747.1	4747.1
2.5°	4717.3	4730.9	4725.5	4714.6	4714.6	4706.5	4714.6	4720.0	4728.2	4733.6
5°	4655.1	4665.9	4663.2	4655.1	4657.8	4649.7	4655.1	4663.2	4668.7	4671.4
7.5°	4601.0	4611.9	4606.4	4592.9	4592.9	4584.8	4587.5	4595.6	4603.7	4606.4
10°	4587.5	4598.3	4582.1	4560.5	4552.3	4541.5	4544.2	4552.3	4568.6	4576.7
12.5°	4592.9	4601.0	4584.8	4552.3	4544.2	4533.4	4533.4	4541.5	4563.2	4574.0
15°	4609.1	4617.3	4592.9	4557.8	4549.6	4541.5	4538.8	4549.6	4574.0	4592.9
17.5°	4638.9	4647.0	4609.1	4560.5	4549.6	4552.3	4549.6	4557.8	4595.6	4630.8
20°	4665.9	4671.4	4620.0	4560.5	4549.6	4552.3	4549.6	4565.9	4614.6	4663.2
22.5°	4674.1	4679.5	4630.8	4579.4	4571.3	4574.0	4571.3	4587.5	4633.5	4682.2
25°	4676.8	4684.9	4647.0	4606.4	4620.0	4625.4	4620.0	4622.7	4657.8	4701.1
27.5°	4717.3	4728.2	4693.0	4657.8	4665.9	4663.2	4671.4	4679.5	4706.5	4749.8
30°	4801.2	4809.3	4779.6	4744.4	4739.0	4720.0	4744.4	4771.4	4801.2	4839.1
32.5°	4939.1	4955.4	4917.5	4879.6	4855.3	4844.5	4863.4	4909.4	4950.0	4990.5
35°	5169.1	5179.9	5144.7	5074.4	5031.1	5031.1	5047.3	5106.8	5171.8	5223.2
37.5°	5493.6	5507.2	5445.0	5361.1	5296.2	5296.2	5317.8	5380.0	5477.4	5550.5
40°	5888.6	5907.5	5829.1	5742.5	5680.3	5669.5	5696.5	5766.8	5858.8	5950.8
42.5°	6364.6	6386.3	6283.5	6207.7	6159.1	6159.1	6172.6	6237.5	6321.3	6435.0
45°	6973.2	7011.1	6870.4	6794.7	6748.7	6759.5	6767.7	6824.5	6900.2	7030.0
47.5°	7698.1	7736.0	7587.2	7508.8	7500.7	7552.1	7519.6	7560.2	7600.8	7749.5
50°	8520.4	8585.3	8482.6	8477.1	8493.4	8588.1	8512.3	8534.0	8488.0	8582.6
52.5°	9526.7	9621.3	9602.4	9634.8	9816.1	10010.8	9837.7	9762.0	9588.9	9618.6
55°	10746.6	10889.9	10917.0	11111.7	11522.9	11920.5	11552.6	11247.0	10879.1	10811.5
57.5°	12134.2	12247.8	12377.6	12775.2	13543.4	14249.4	13543.4	12867.2	12288.4	12150.4
60°	13627.3	13767.9	13892.4	14479.3	15620.8	16613.5	15599.1	14525.3	13759.8	13573.2
62.5°	15231.3	15412.5	15499.1	16150.9	17481.8	18666.5	17500.7	16199.6	15350.3	15150.1
65°	16770.4	16919.1	17016.5	17711.7	18983.0	20170.4	19069.5	17787.4	16913.7	16651.4
67.5°	17487.2	17568.3	17806.3	18593.5	19935.1	21290.3	20162.3	18677.3	17700.9	17241.0
70°	16437.7	16272.7	16846.1	18106.6	20048.7	21977.3	20308.4	18068.7	16873.2	16126.6
72.5°	12702.2	12418.2	13413.6	15569.4	18750.4	21539.1	18880.2	15691.1	14033.0	12518.3
75°	6911.0	6589.1	7963.2	10689.8	14952.7	18669.2	15296.2	10995.4	8866.7	6859.6
77.5°	1950.2	1828.5	2937.5	5171.8	8993.8	13107.9	9340.0	5285.4	3483.9	2066.5
80°	597.8	578.8	784.4	1558.0	3819.3	6278.1	3670.5	1577.0	998.1	630.2
82.5°	354.3	324.6	389.5	568.0	973.8	1971.9	946.7	592.4	476.1	319.2
85°	202.9	189.3	229.9	275.9	327.3	419.3	273.2	281.3	254.3	170.4
87.5°	83.9	75.7	89.3	86.6	75.7	97.4	73.0	86.6	102.8	67.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4747.1
4730.9
4671.4
4606.4
4576.7
4576.7
4595.6
4630.8
4665.9
4682.2
4698.4
4739.0
4830.9
4974.3
5204.2
5523.4
5921.0
6426.8
7024.6
7706.3
8525.8
9518.5
10706.0
12053.0
13410.9
14987.8
16521.5
17246.4
16305.1
12894.2
7305.9
2296.5
665.4
346.2
178.5
62.2
0.0

OF REPORT)