

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: P850134

Luminaire Tested: **GLAN-SB7C-730-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850134
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-SB7C-730-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 50896 lumens
Efficiency: N/A
Efficacy: 145.2 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

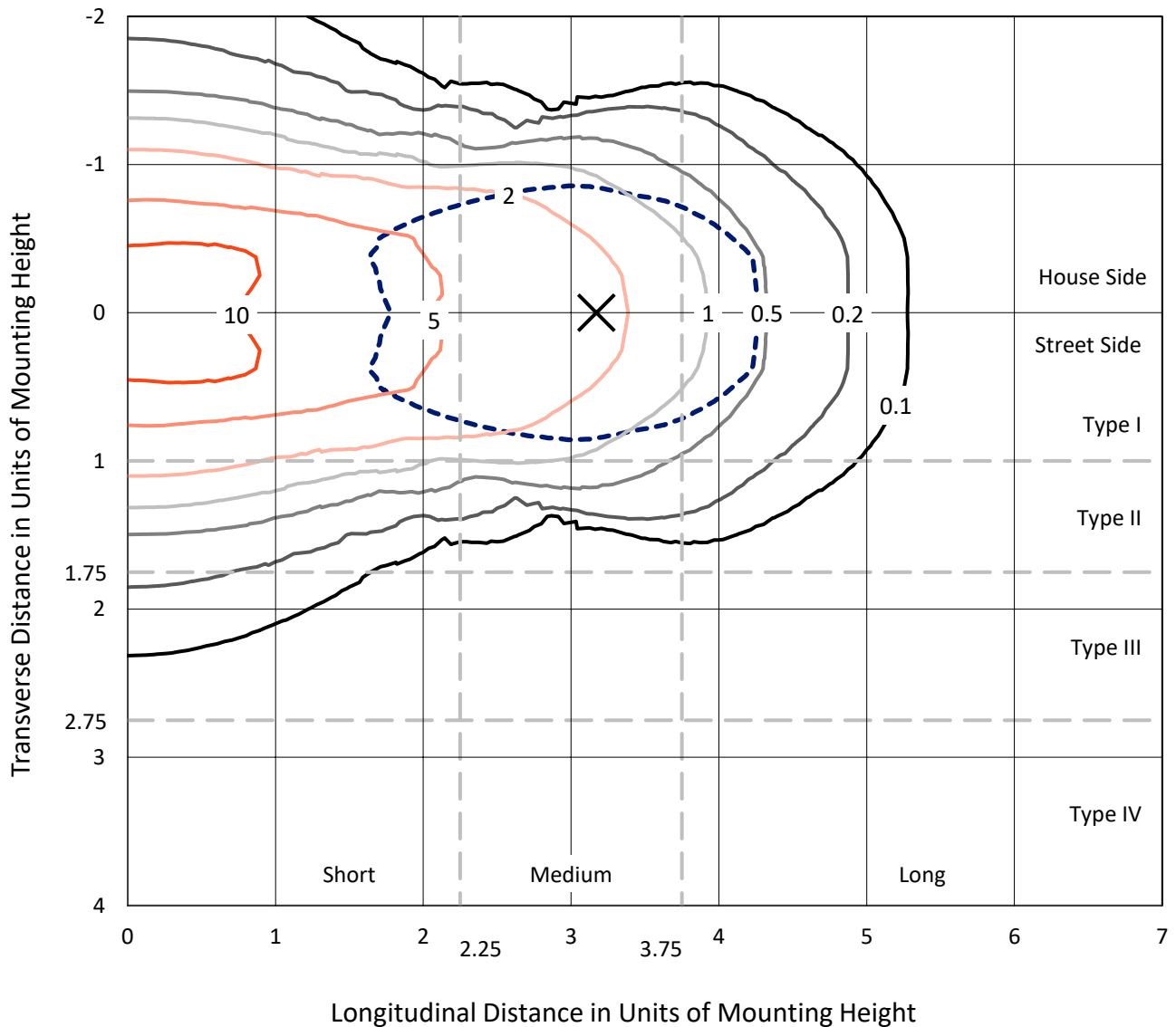
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

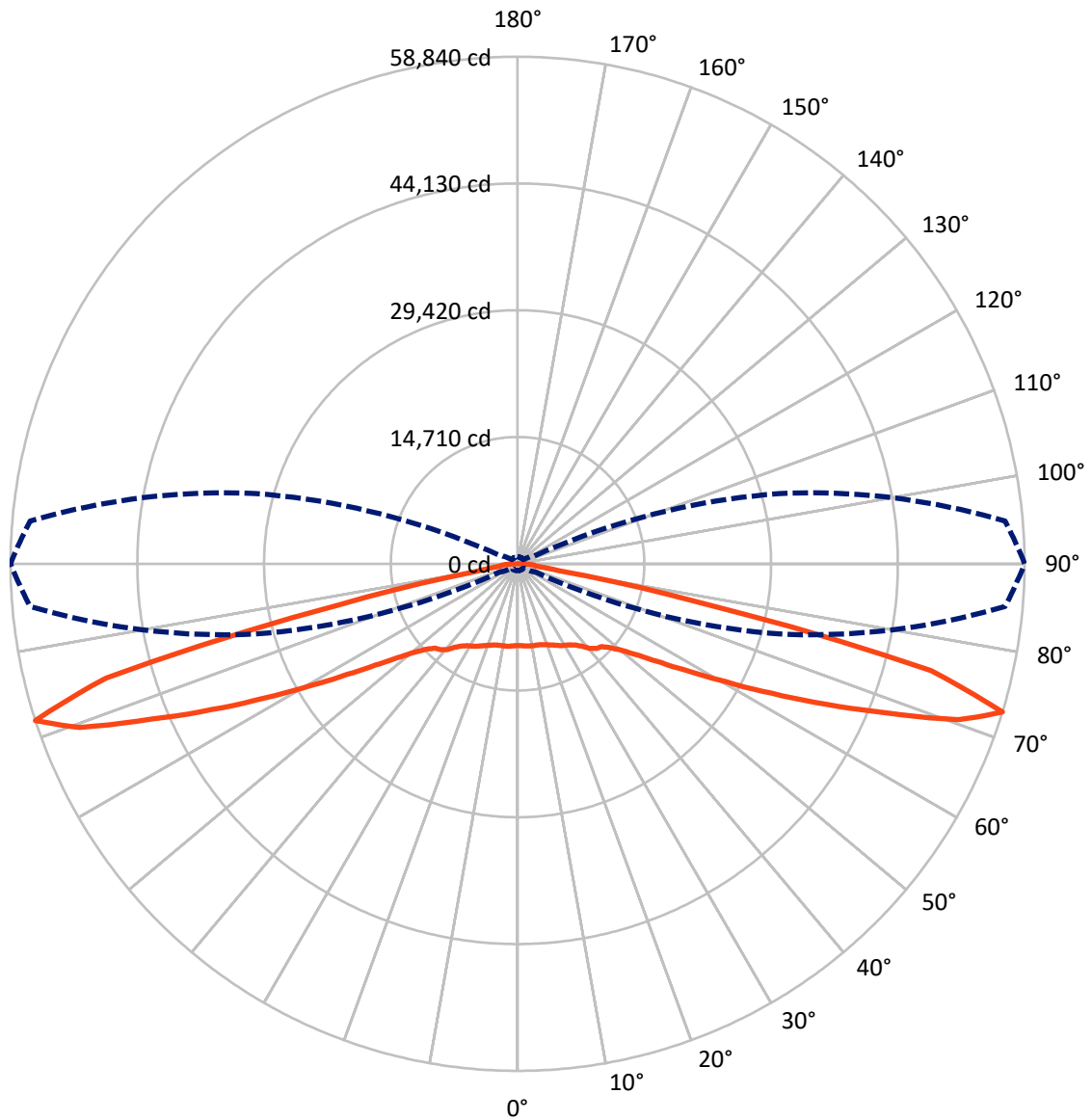
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.2 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25448.0	0.0	25448.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25448.0	0.0	25448.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	50896.0	0.0	50896.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	922.2	1.8
10°-20°	2819.6	5.5
20°-30°	4701.4	9.2
30°-40°	6465.9	12.7
40°-50°	7896.6	15.5
50°-60°	9133.2	17.9
60°-70°	10889.9	21.4
70°-80°	7600.4	14.9
80°-90°	466.8	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°	50896.0	100.0
0°-180°	50896.0	100.0

Coefficient of Utilization

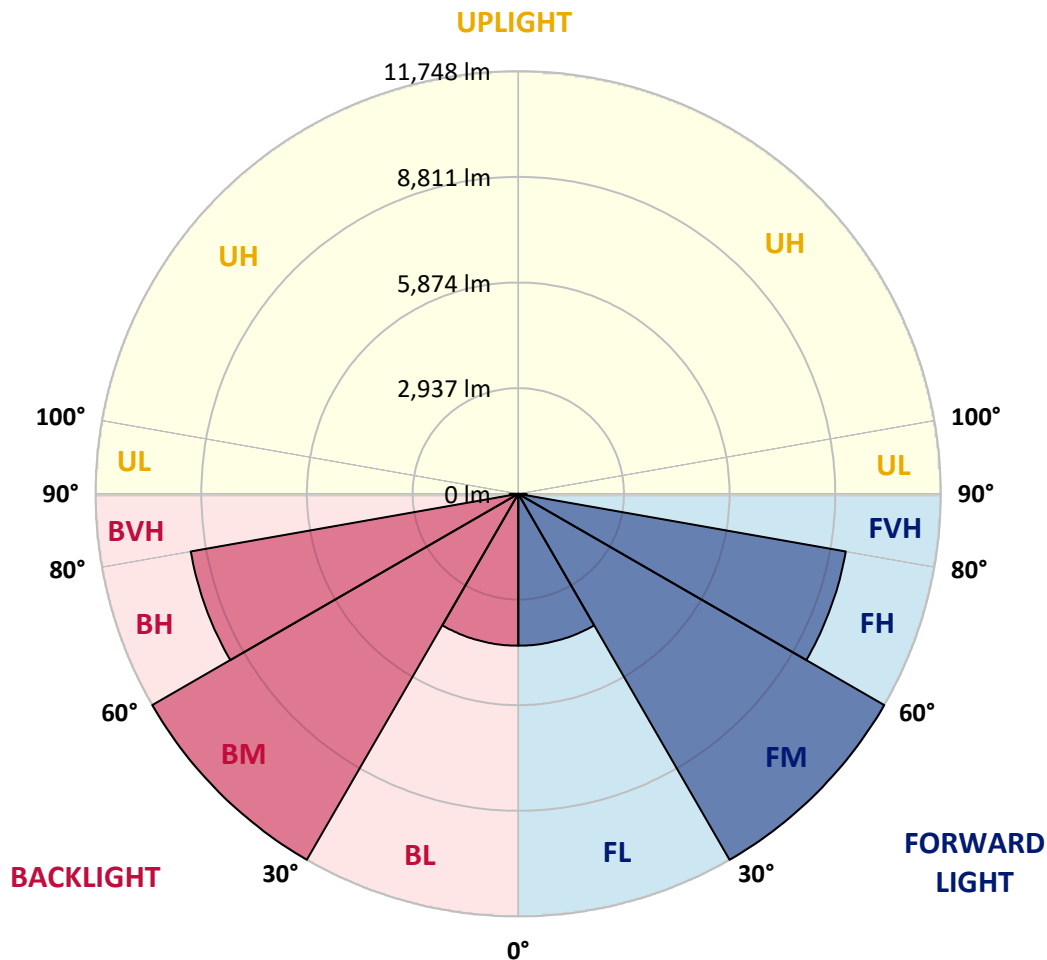


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4221.6	8.3			
FM (30°-60°)	11747.9	23.1			
FH (60°-80°)	9245.2	18.2			G4/12000
FVH (80°-90°)	233.4	0.5			G3/500
BL (0°-30°)	4221.6	8.3	B4/5000		
BM (30°-60°)	11747.9	23.1	B5		
BH (60°-80°)	9245.2	18.2	B5		G5
BVH (80°-90°)	233.4	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9510.5	9510.5	9510.5	9510.5	9510.5	9510.5	9510.5	9510.5	9510.5	9510.5
2.5°	9518.6	9529.4	9529.4	9521.3	9540.2	9524.0	9524.0	9515.9	9524.0	9515.9
5°	9567.3	9580.8	9586.2	9583.5	9607.8	9594.3	9594.3	9583.5	9586.2	9578.1
7.5°	9659.2	9678.2	9689.0	9702.5	9737.7	9721.4	9710.6	9678.2	9664.6	9643.0
10°	9689.0	9710.6	9745.8	9816.1	9897.3	9900.0	9867.5	9786.4	9724.1	9675.5
12.5°	9597.0	9626.8	9699.8	9843.2	10024.4	10097.4	10046.0	9910.8	9789.1	9702.5
15°	9480.7	9513.2	9624.1	9840.5	10108.2	10278.6	10273.2	10094.7	9900.0	9764.7
17.5°	9299.5	9331.9	9491.5	9794.5	10173.2	10454.5	10530.2	10346.3	10073.1	9891.8
20°	8972.2	9001.9	9223.7	9648.4	10194.8	10641.1	10838.6	10676.3	10335.5	10089.3
22.5°	8547.5	8593.5	8853.2	9396.8	10143.4	10835.9	11190.2	11079.3	10641.1	10300.3
25°	8093.1	8141.8	8444.7	9088.5	10010.9	10976.5	11606.8	11536.4	10987.3	10562.7
27.5°	7700.9	7752.3	8082.3	8782.8	9805.3	11030.6	12017.9	12053.1	11406.6	10852.1
30°	7392.5	7441.2	7792.8	8536.7	9540.2	10976.5	12377.7	12621.1	11834.0	11103.6
32.5°	7054.4	7116.6	7487.2	8236.4	9226.4	10846.7	12691.4	13235.1	12329.0	11374.1
35°	6627.0	6683.8	7073.3	7825.3	8815.3	10638.4	12953.8	13916.7	13037.7	11785.3
37.5°	6107.7	6161.8	6548.6	7311.4	8406.9	10346.3	13154.0	14684.9	13881.6	12377.7
40°	5585.6	5637.0	5999.5	6737.9	7917.3	9973.0	13224.3	15436.9	14849.9	13191.8
42.5°	5106.9	5152.8	5485.6	6172.6	7368.2	9496.9	13132.3	16091.5	15718.2	13759.9
45°	4666.0	4706.5	5001.4	5642.4	6797.4	8918.1	12856.4	16794.8	16751.5	14165.6
47.5°	4162.9	4203.4	4509.1	5128.5	6226.7	8239.1	12388.5	17487.2	18187.8	15085.3
50°	3548.8	3584.0	3897.8	4536.1	5634.3	7516.9	11739.3	18030.9	20000.1	16478.3
52.5°	2821.2	2859.1	3164.7	3803.1	4931.0	6740.6	10884.5	18385.3	22093.7	18512.4
55°	2099.0	2126.1	2391.1	2964.6	4060.1	5856.1	9813.4	18485.3	24468.6	21293.0
57.5°	1522.9	1539.1	1709.5	2136.9	3078.2	4749.8	8512.3	18225.7	27295.2	24858.1
60°	1233.4	1238.8	1290.2	1479.6	2139.6	3500.2	6940.8	17333.0	30362.6	29453.7
62.5°	1119.8	1119.8	1133.4	1184.7	1447.1	2310.0	5039.2	15482.9	33651.8	35261.2
65°	1041.4	1041.4	1046.8	1071.1	1141.5	1471.5	3181.0	12469.6	36424.3	42064.0
67.5°	971.1	973.8	971.1	979.2	1019.8	1087.4	1844.7	8612.4	37917.4	49113.0
70°	898.0	903.4	889.9	889.9	922.4	925.1	1155.0	4722.8	36678.5	55020.5
72.5°	811.5	819.6	797.9	792.5	816.9	806.1	868.3	2266.7	31490.5	56784.1
75°	735.7	746.6	697.9	684.3	684.3	676.2	706.0	1163.1	20438.3	46321.5
77.5°	668.1	689.8	611.3	568.0	557.2	532.9	576.1	711.4	8939.7	21747.5
80°	551.8	581.6	503.1	451.7	432.8	405.7	454.4	497.7	2658.9	5050.1
82.5°	411.1	424.7	357.0	321.9	305.7	286.7	340.8	346.2	865.6	1787.9
85°	262.4	267.8	219.1	189.3	181.2	173.1	216.4	189.3	330.0	1314.6
87.5°	92.0	105.5	83.9	75.7	81.1	67.6	100.1	56.8	92.0	927.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

9510.5
9515.9
9578.1
9643.0
9667.3
9689.0
9743.1
9862.1
10043.3
10238.1
10476.1
10760.1
10971.1
11206.4
11598.6
12128.8
12926.8
13419.0
13705.8
14555.1
15812.9
17692.8
20267.9
23567.9
27828.1
33083.7
39310.4
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1149.6
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