

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: P850654

Luminaire Tested: **GLAN-SB8B-735-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850654
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-SB8B-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44203 lumens
Efficiency: N/A
Efficacy: 151.0 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

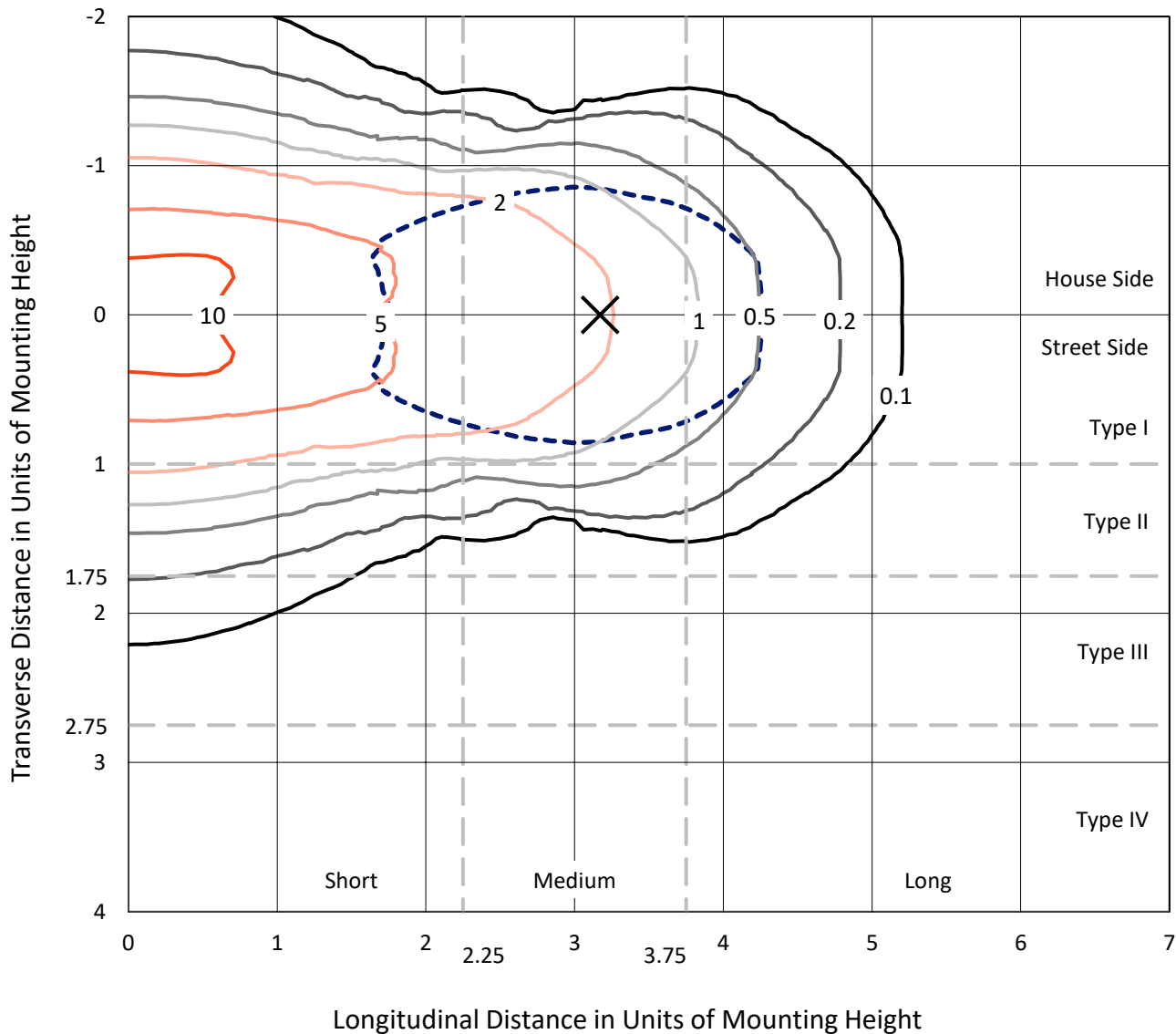
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

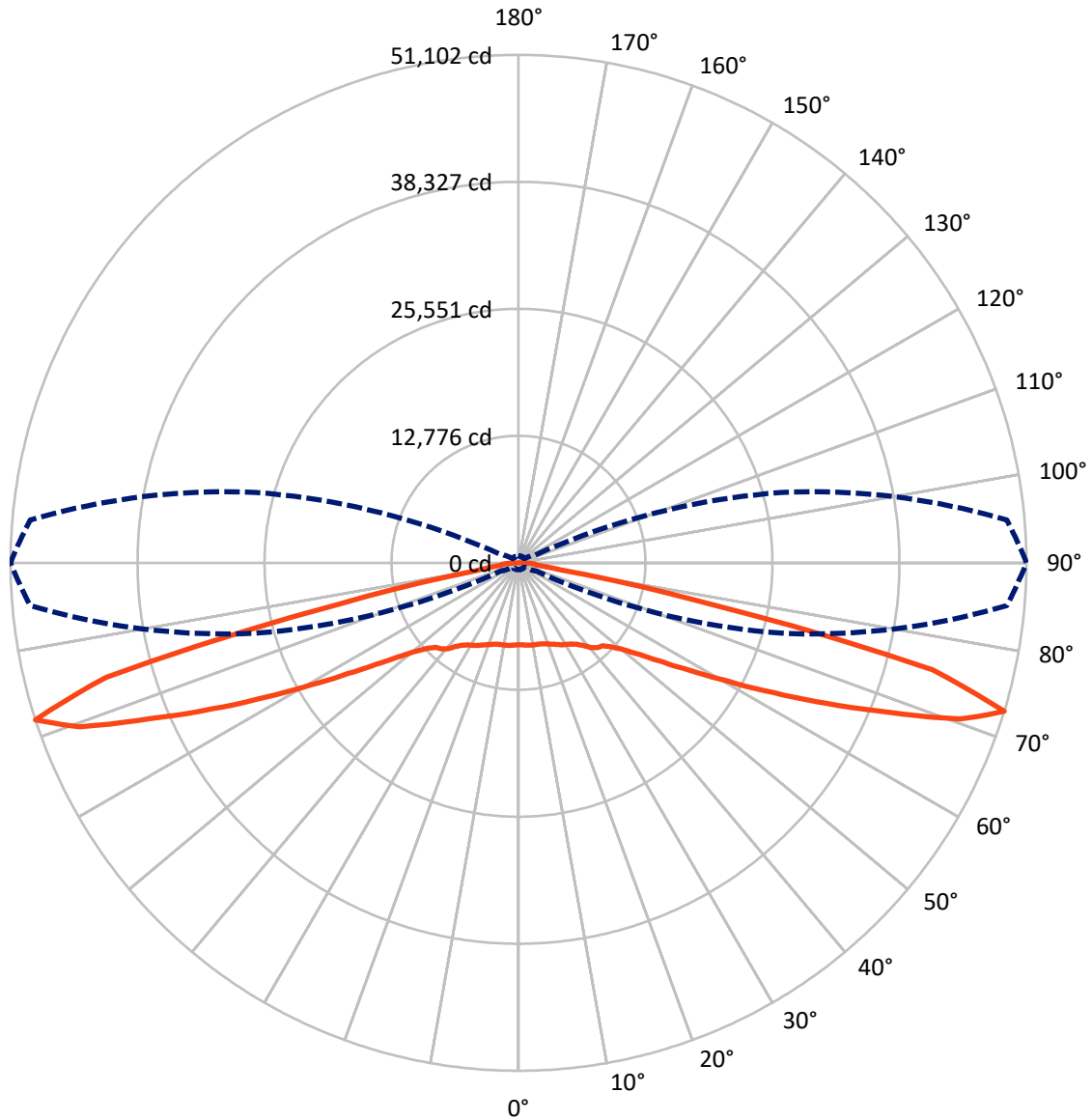
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.2 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	22101.5	0.0	22101.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22101.5	0.0	22101.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	44203.0	0.0	44203.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	800.9	1.8
10°-20°	2448.8	5.5
20°-30°	4083.1	9.2
30°-40°	5615.6	12.7
40°-50°	6858.2	15.5
50°-60°	7932.2	17.9
60°-70°	9457.8	21.4
70°-80°	6600.9	14.9
80°-90°	405.4	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°	44203.0	100.0
0°-180°	44203.0	100.0

Coefficient of Utilization

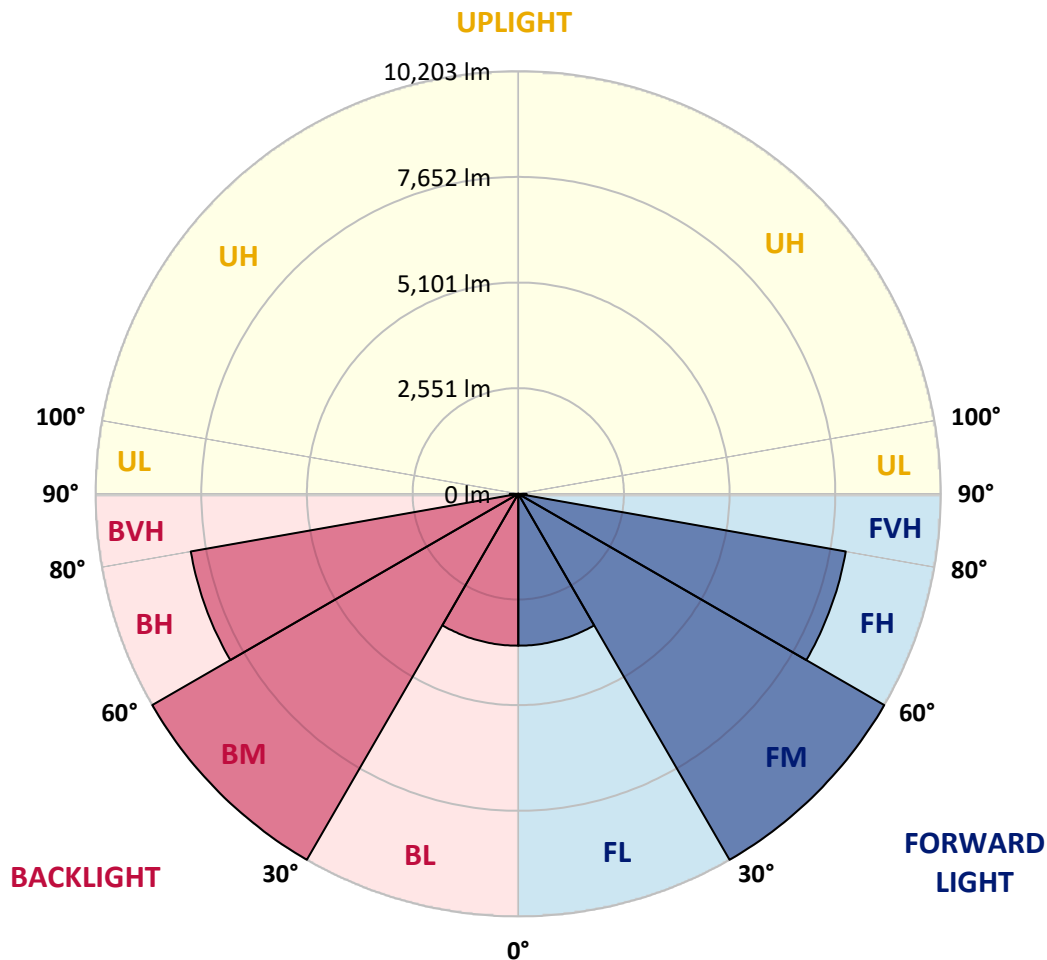


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3666.4	8.3			
FM (30°-60°)	10203.0	23.1			
FH (60°-80°)	8029.4	18.2			G4/12000
FVH (80°-90°)	202.7	0.5			G2/225
BL (0°-30°)	3666.4	8.3	B4/5000		
BM (30°-60°)	10203.0	23.1	B5		
BH (60°-80°)	8029.4	18.2	B5		G5
BVH (80°-90°)	202.7	0.5			G2/225
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°	8259.8	8259.8	8259.8	8259.8	8259.8	8259.8	8259.8	8259.8	8259.8	8259.8
2.5°	8266.8	8276.2	8276.2	8269.2	8285.6	8271.5	8271.5	8264.5	8271.5	8264.5
5°	8309.1	8320.9	8325.6	8323.2	8344.4	8332.6	8332.6	8323.2	8325.6	8318.5
7.5°	8389.0	8405.4	8414.8	8426.6	8457.1	8443.0	8433.6	8405.4	8393.7	8374.9
10°	8414.8	8433.6	8464.2	8525.3	8595.7	8598.1	8569.9	8499.4	8445.4	8403.1
12.5°	8335.0	8360.8	8424.2	8548.7	8706.1	8769.6	8724.9	8607.5	8501.8	8426.6
15°	8234.0	8262.1	8358.5	8546.4	8779.0	8927.0	8922.3	8767.2	8598.1	8480.6
17.5°	8076.6	8104.7	8243.4	8506.5	8835.4	9079.7	9145.4	8985.7	8748.4	8591.0
20°	7792.3	7818.1	8010.8	8379.6	8854.1	9241.8	9413.3	9272.3	8976.3	8762.5
22.5°	7423.5	7463.4	7688.9	8161.1	8809.5	9410.9	9718.7	9622.3	9241.8	8945.8
25°	7028.8	7071.1	7334.2	7893.3	8694.4	9533.1	10080.4	10019.4	9542.5	9173.6
27.5°	6688.2	6732.8	7019.4	7627.9	8515.9	9580.0	10437.5	10468.0	9906.6	9425.0
30°	6420.4	6462.7	6768.1	7414.1	8285.6	9533.1	10750.0	10961.4	10277.8	9643.5
32.5°	6126.7	6180.8	6502.6	7153.3	8013.1	9420.3	11022.5	11494.6	10707.7	9878.4
35°	5755.5	5804.9	6143.2	6796.2	7656.1	9239.4	11250.3	12086.6	11323.2	10235.5
37.5°	5304.5	5351.5	5687.4	6349.9	7301.3	8985.7	11424.2	12753.8	12056.1	10750.0
40°	4851.1	4895.7	5210.5	5851.9	6876.1	8661.5	11485.3	13406.9	12897.1	11457.1
42.5°	4435.3	4475.2	4764.2	5360.9	6399.2	8248.1	11405.4	13975.4	13651.2	11950.4
45°	4052.4	4087.6	4343.7	4900.4	5903.5	7745.3	11165.8	14586.2	14548.6	12302.8
47.5°	3615.4	3650.7	3916.1	4454.1	5407.9	7155.7	10759.3	15187.6	15796.0	13101.5
50°	3082.2	3112.7	3385.2	3939.6	4893.4	6528.4	10195.5	15659.8	17370.0	14311.3
52.5°	2450.2	2483.1	2748.6	3303.0	4282.6	5854.2	9453.2	15967.5	19188.3	16077.9
55°	1823.0	1846.5	2076.7	2574.7	3526.2	5086.0	8522.9	16054.5	21250.9	18492.9
57.5°	1322.6	1336.7	1484.7	1855.9	2673.4	4125.2	7392.9	15828.9	23705.8	21589.2
60°	1071.2	1075.9	1120.6	1285.0	1858.2	3039.9	6028.1	15053.7	26369.8	25580.5
62.5°	972.6	972.6	984.3	1029.0	1256.8	2006.2	4376.6	13446.8	29226.4	30624.2
65°	904.4	904.4	909.1	930.3	991.4	1278.0	2762.7	10829.8	31634.4	36532.5
67.5°	843.4	845.7	843.4	850.4	885.6	944.4	1602.2	7479.9	32931.1	42654.5
70°	779.9	784.6	772.9	772.9	801.1	803.4	1003.1	4101.7	31855.2	47785.1
72.5°	704.8	711.8	693.0	688.3	709.5	700.1	754.1	1968.6	27349.4	49316.8
75°	639.0	648.4	606.1	594.3	594.3	587.3	613.1	1010.2	17750.6	40230.1
77.5°	580.3	599.0	530.9	493.3	483.9	462.8	500.4	617.8	7764.1	18887.6
80°	479.2	505.1	437.0	392.3	375.9	352.4	394.7	432.3	2309.3	4386.0
82.5°	357.1	368.8	310.1	279.6	265.5	249.0	296.0	300.7	751.7	1552.8
85°	227.9	232.6	190.3	164.4	157.4	150.3	187.9	164.4	286.6	1141.7
87.5°	79.9	91.6	72.8	65.8	70.5	58.7	86.9	49.3	79.9	805.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

8259.8
8264.5
8318.5
8374.9
8396.1
8414.8
8461.8
8565.2
8722.6
8891.7
9098.5
9345.1
9528.4
9732.7
10073.4
10533.8
11226.8
11654.4
11903.4
12641.1
13733.4
15366.1
17602.6
20468.6
24168.6
28733.1
34141.0
40072.7
47106.2
51102.2
43030.3
18495.3
4200.4
1754.9
1658.5
998.4
0.0

OF REPORT)