

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: P850044

Luminaire Tested: **GLAN-SB7B-840-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850044
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-SB7B-840-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35231 lumens
Efficiency: N/A
Efficacy: 137.2 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

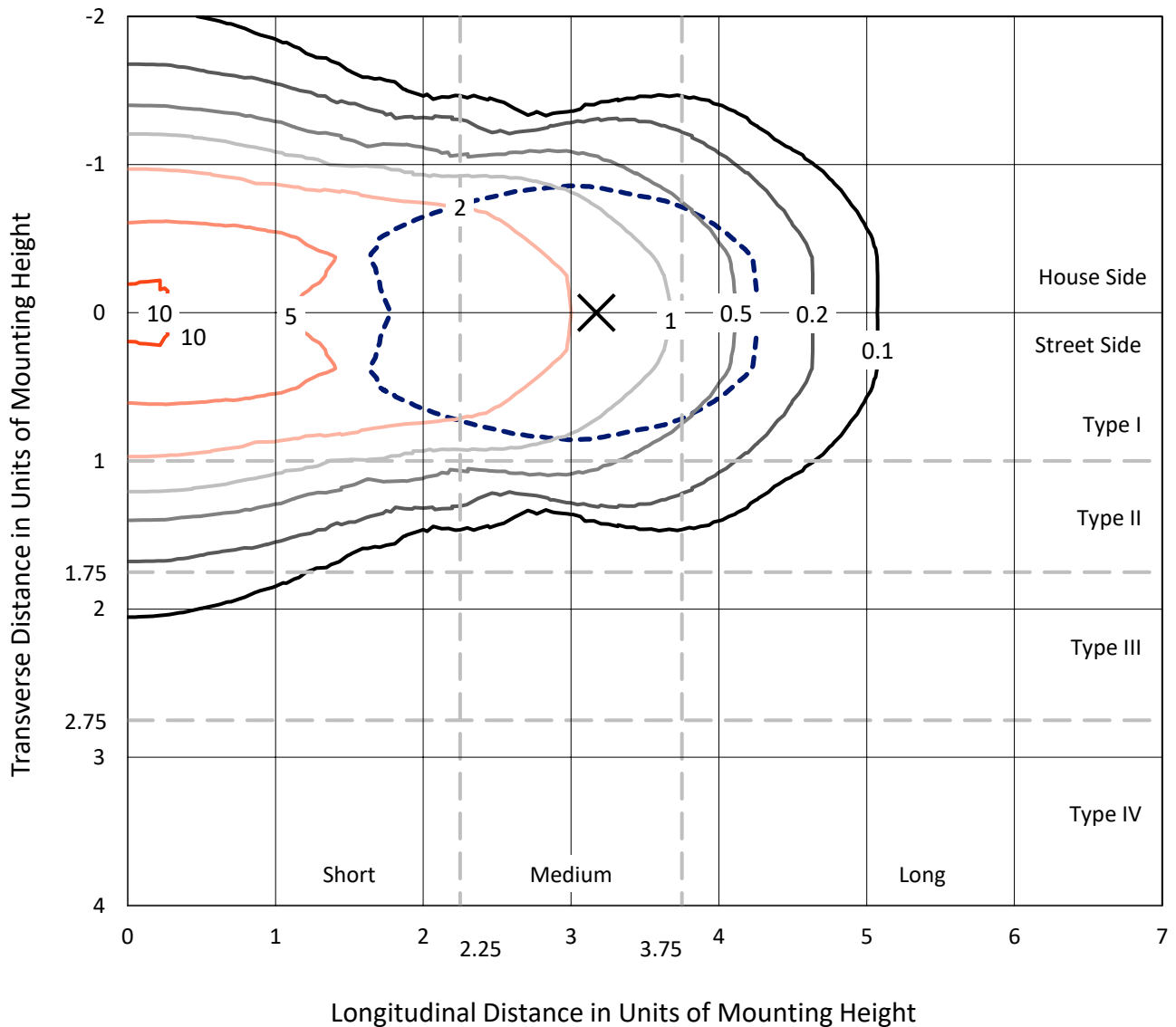
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

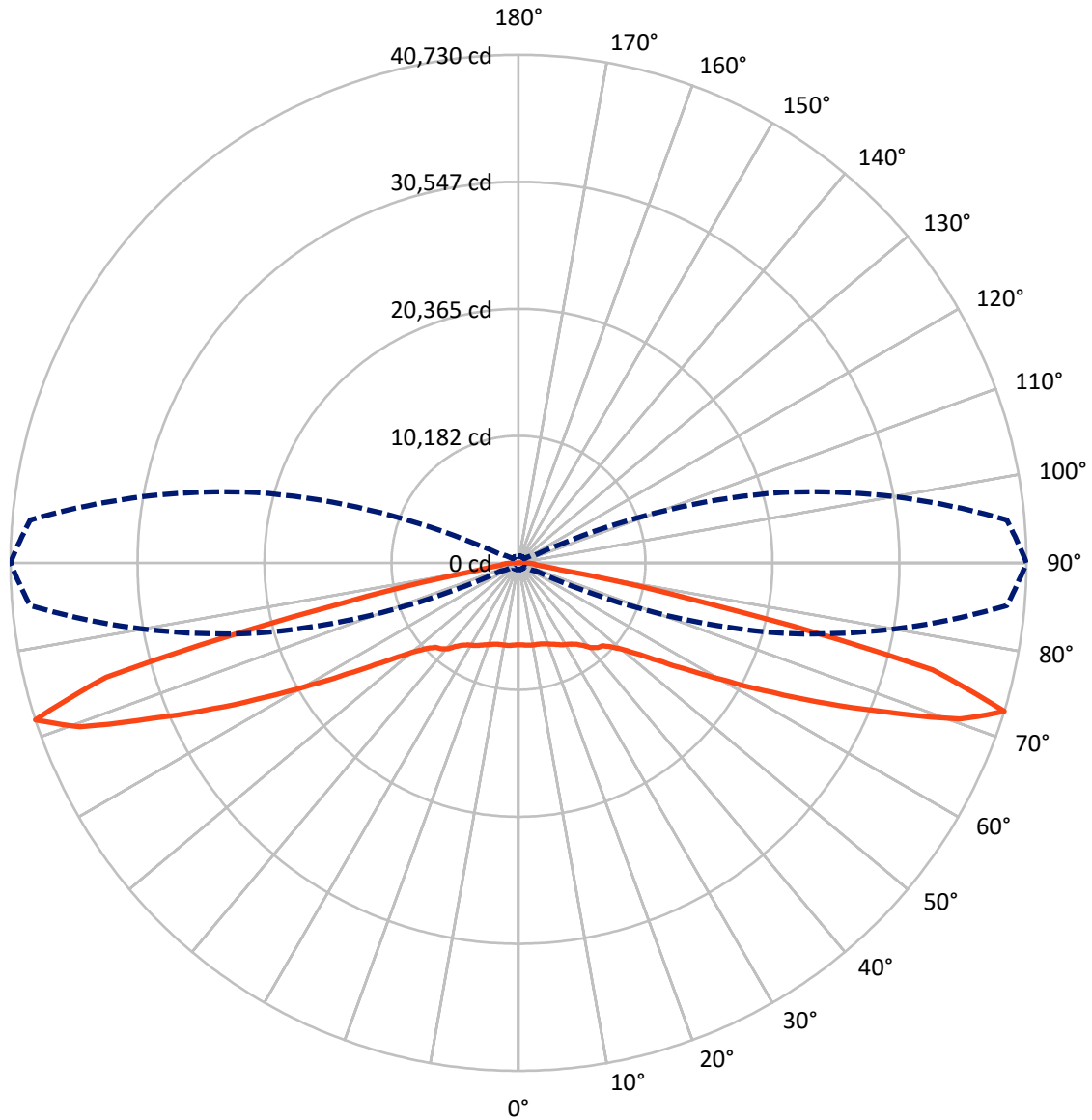
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 fc
 Type I - Short - N/A

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CATALOG NUMBER: GLAN-SB7B-840-U-T1

Luminous Intensity Polar Plot



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

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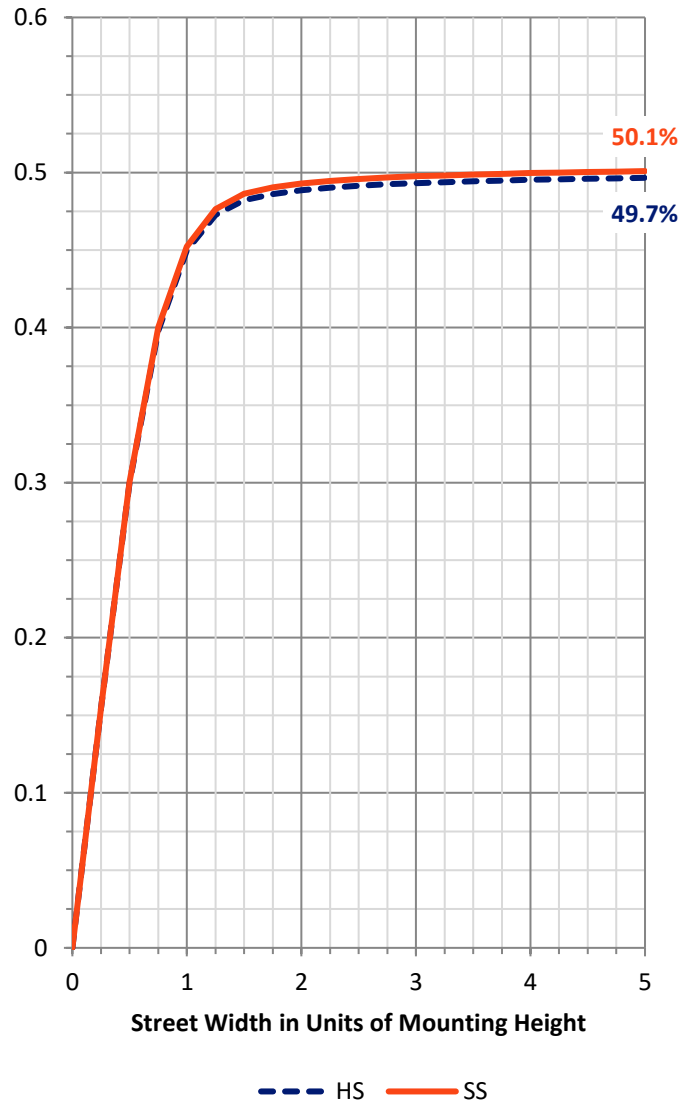
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17615.5	0.0	17615.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17615.5	0.0	17615.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	35231.0	0.0	35231.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	638.3	1.8
10°-20°	1951.8	5.5
20°-30°	3254.4	9.2
30°-40°	4475.8	12.7
40°-50°	5466.1	15.5
50°-60°	6322.2	17.9
60°-70°	7538.2	21.4
70°-80°	5261.1	14.9
80°-90°	323.1	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°	35231.0	100.0
0°-180°	35231.0	100.0

Coefficient of Utilization



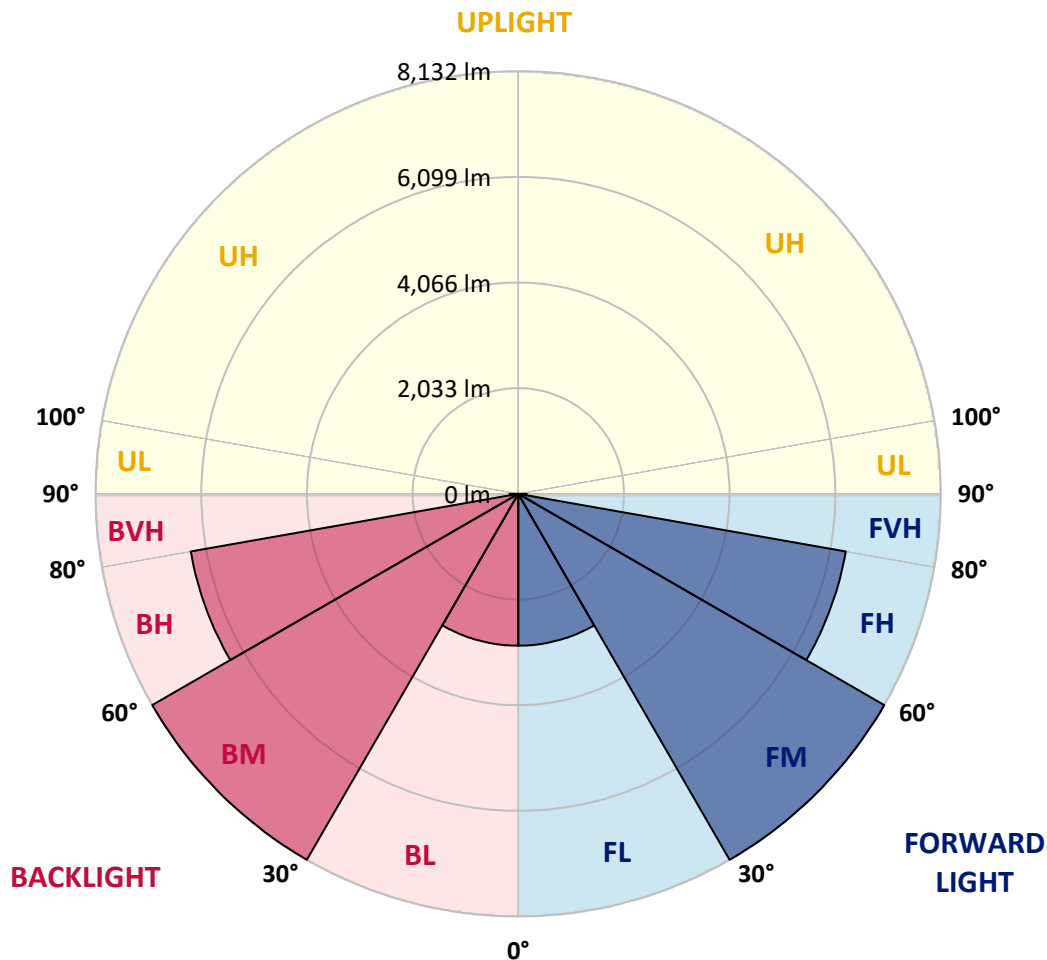
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 CATALOG NUMBER: GLAN-SB7B-840-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2922.2	8.3			
FM (30°-60°)	8132.1	23.1			
FH (60°-80°)	6399.7	18.2			G3/7500
FVH (80°-90°)	161.6	0.5			G2/225
BL (0°-30°)	2922.2	8.3	B4/5000		
BM (30°-60°)	8132.1	23.1	B4/8500		
BH (60°-80°)	6399.7	18.2	B5		G5
BVH (80°-90°)	161.6	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°	6583.3	6583.3	6583.3	6583.3	6583.3	6583.3	6583.3	6583.3	6583.3	6583.3
2.5°	6588.9	6596.4	6596.4	6590.8	6603.9	6592.6	6592.6	6587.0	6592.6	6587.0
5°	6622.6	6632.0	6635.7	6633.8	6650.7	6641.3	6641.3	6633.8	6635.7	6630.1
7.5°	6686.3	6699.4	6706.9	6716.2	6740.6	6729.3	6721.8	6699.4	6690.0	6675.0
10°	6706.9	6721.8	6746.2	6794.9	6851.0	6852.9	6830.4	6774.3	6731.2	6697.5
12.5°	6643.2	6663.8	6714.4	6813.6	6939.0	6989.6	6954.0	6860.4	6776.1	6716.2
15°	6562.7	6585.2	6661.9	6811.7	6997.1	7115.0	7111.3	6987.7	6852.9	6759.3
17.5°	6437.2	6459.7	6570.2	6779.9	7042.0	7236.7	7289.2	7161.8	6972.7	6847.3
20°	6210.7	6231.3	6384.8	6678.8	7057.0	7365.9	7502.6	7390.3	7154.4	6984.0
22.5°	5916.7	5948.5	6128.3	6504.6	7021.4	7500.7	7746.0	7669.3	7365.9	7130.0
25°	5602.2	5635.9	5845.6	6291.2	6929.7	7598.1	8034.4	7985.7	7605.6	7311.6
27.5°	5330.7	5366.2	5594.7	6079.6	6787.4	7635.6	8319.0	8343.3	7895.8	7512.0
30°	5117.2	5150.9	5394.3	5909.2	6603.9	7598.1	8568.0	8736.5	8191.7	7686.1
32.5°	4883.2	4926.2	5182.7	5701.4	6386.7	7508.2	8785.2	9161.6	8534.3	7873.4
35°	4587.3	4626.6	4896.3	5416.8	6102.1	7364.1	8966.8	9633.4	9024.9	8158.0
37.5°	4227.8	4265.3	4533.0	5061.0	5819.4	7161.8	9105.4	10165.1	9609.0	8568.0
40°	3866.5	3902.0	4152.9	4664.1	5480.5	6903.5	9154.1	10685.7	10279.4	9131.6
42.5°	3535.1	3566.9	3797.2	4272.8	5100.4	6573.9	9090.4	11138.8	10880.4	9524.8
45°	3229.9	3257.9	3462.0	3905.8	4705.3	6173.2	8899.4	11625.6	11595.6	9805.6
47.5°	2881.6	2909.7	3121.3	3550.0	4310.2	5703.3	8575.5	12104.9	12589.9	10442.3
50°	2456.6	2480.9	2698.1	3140.0	3900.2	5203.3	8126.1	12481.3	13844.4	11406.5
52.5°	1952.9	1979.1	2190.7	2632.6	3413.3	4666.0	7534.5	12726.6	15293.6	12814.6
55°	1453.0	1471.7	1655.2	2052.1	2810.4	4053.7	6793.0	12795.8	16937.5	14739.4
57.5°	1054.1	1065.4	1183.3	1479.2	2130.8	3287.9	5892.4	12616.1	18894.2	17207.2
60°	853.8	857.5	893.1	1024.2	1481.1	2422.9	4804.5	11998.2	21017.5	20388.3
62.5°	775.2	775.2	784.5	820.1	1001.7	1599.0	3488.2	10717.5	23294.3	24408.3
65°	720.9	720.9	724.6	741.5	790.1	1018.6	2201.9	8631.7	25213.5	29117.4
67.5°	672.2	674.1	672.2	677.8	705.9	752.7	1277.0	5961.7	26247.0	33996.8
70°	621.6	625.4	616.0	616.0	638.5	640.4	799.5	3269.2	25389.5	38086.1
72.5°	561.7	567.3	552.4	548.6	565.5	558.0	601.0	1569.1	21798.2	39306.9
75°	509.3	516.8	483.1	473.7	473.7	468.1	488.7	805.1	14147.7	32064.5
77.5°	462.5	477.5	423.2	393.2	385.7	368.9	398.8	492.4	6188.2	15053.9
80°	382.0	402.6	348.3	312.7	299.6	280.9	314.6	344.5	1840.5	3495.7
82.5°	284.6	294.0	247.2	222.8	211.6	198.5	235.9	239.7	599.2	1237.6
85°	181.6	185.4	151.7	131.1	125.4	119.8	149.8	131.1	228.4	910.0
87.5°	63.7	73.0	58.0	52.4	56.2	46.8	69.3	39.3	63.7	642.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6583.3
6587.0
6630.1
6675.0
6691.9
6706.9
6744.3
6826.7
6952.1
7087.0
7251.7
7448.3
7594.4
7757.3
8028.8
8395.7
8948.1
9288.9
9487.3
10075.3
10945.9
12247.2
14029.7
16314.0
19263.0
22901.1
27211.3
31939.0
37544.9
40729.9
34296.4
14741.2
3347.8
1398.7
1321.9
795.8
0.0

OF REPORT)