

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: P850554

Luminaire Tested: **GLAN-SB8A-840-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850554
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-SB8A-840-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31911 lumens
Efficiency: N/A
Efficacy: 140.5 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

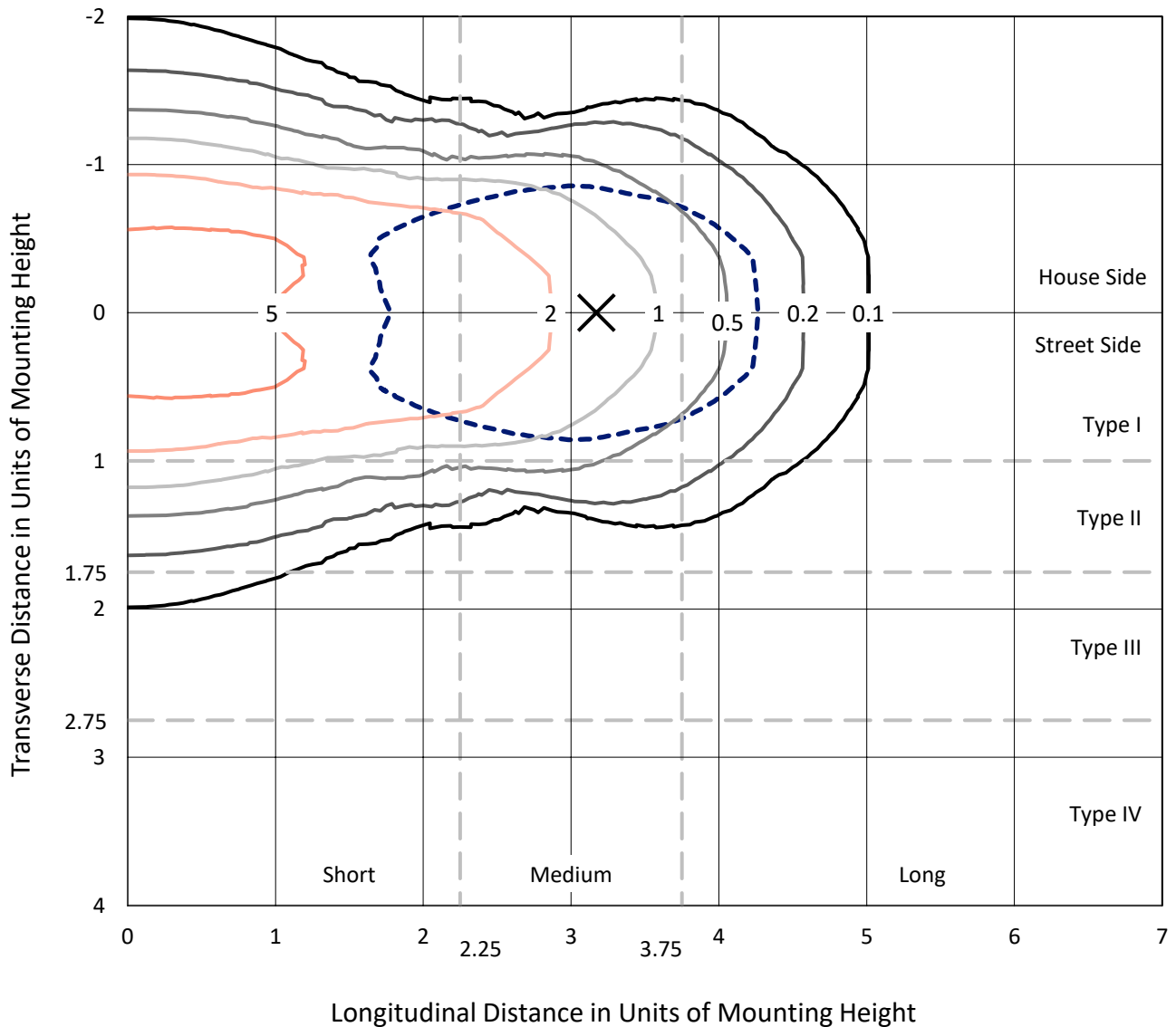
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850554
 CATALOG NUMBER: GLAN-SB8A-840-U-T1

Iso-Footcandle Lines of Horizontal Illumination

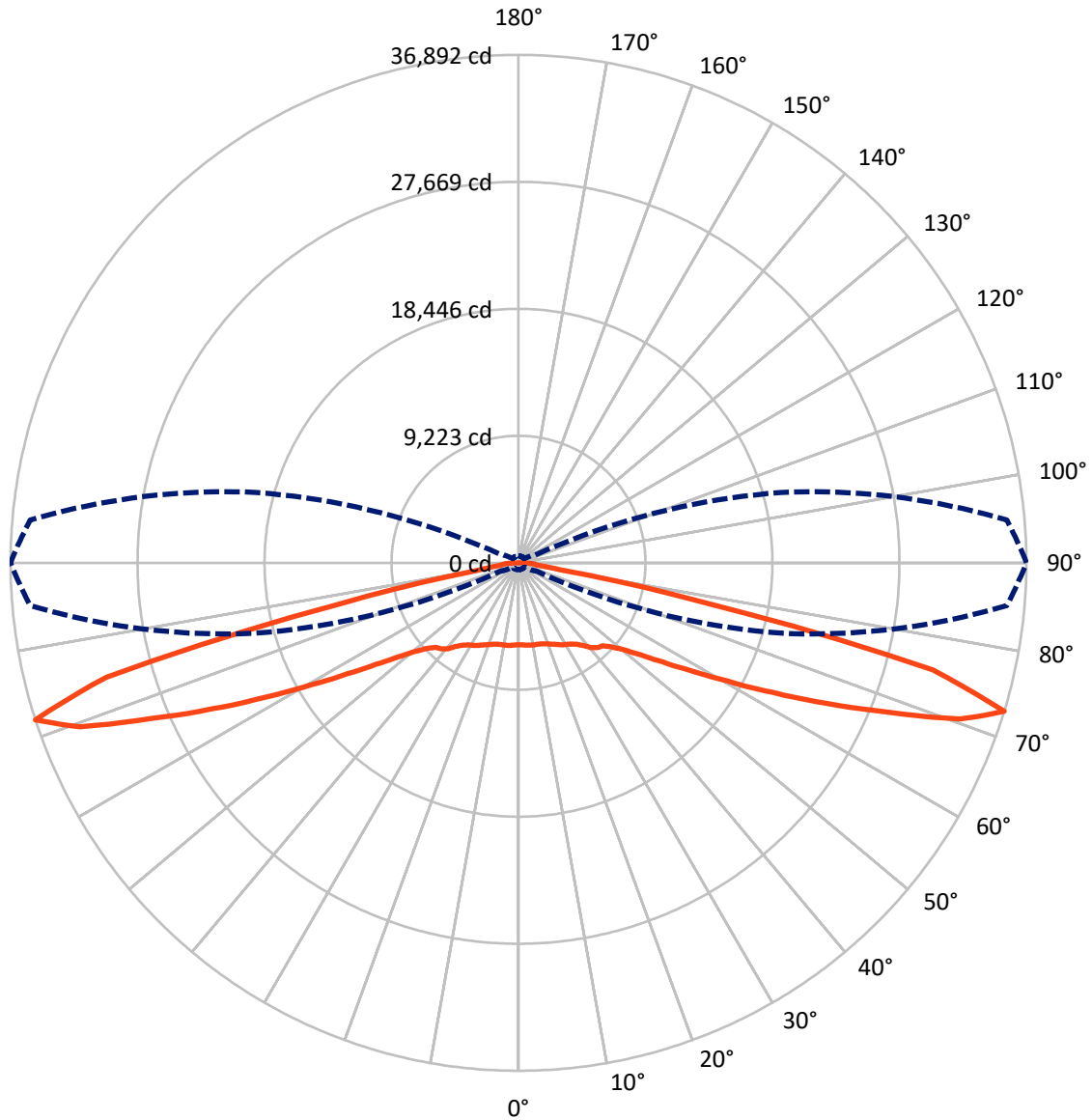
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc
 Type I - Short - N/A

REPORT NUMBER: P850554
CATALOG NUMBER: GLAN-SB8A-840-U-T1

Luminous Intensity Polar Plot



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

REPORT NUMBER: P850554
 CATALOG NUMBER: GLAN-SB8A-840-U-T1

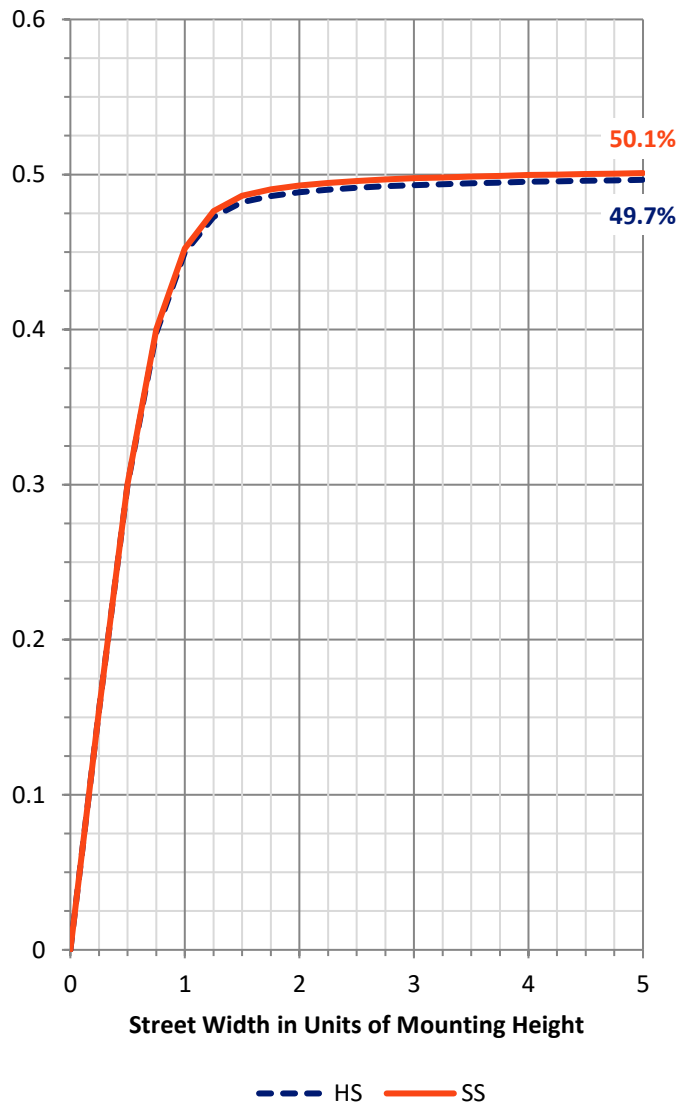
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15955.5	0.0	15955.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15955.5	0.0	15955.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	31911.0	0.0	31911.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	578.2	1.8
10°-20°	1767.8	5.5
20°-30°	2947.7	9.2
30°-40°	4054.0	12.7
40°-50°	4951.0	15.5
50°-60°	5726.4	17.9
60°-70°	6827.8	21.4
70°-80°	4765.4	14.9
80°-90°	292.7	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°	31911.0	100.0
0°-180°	31911.0	100.0

Coefficient of Utilization



REPORT NUMBER: P850554

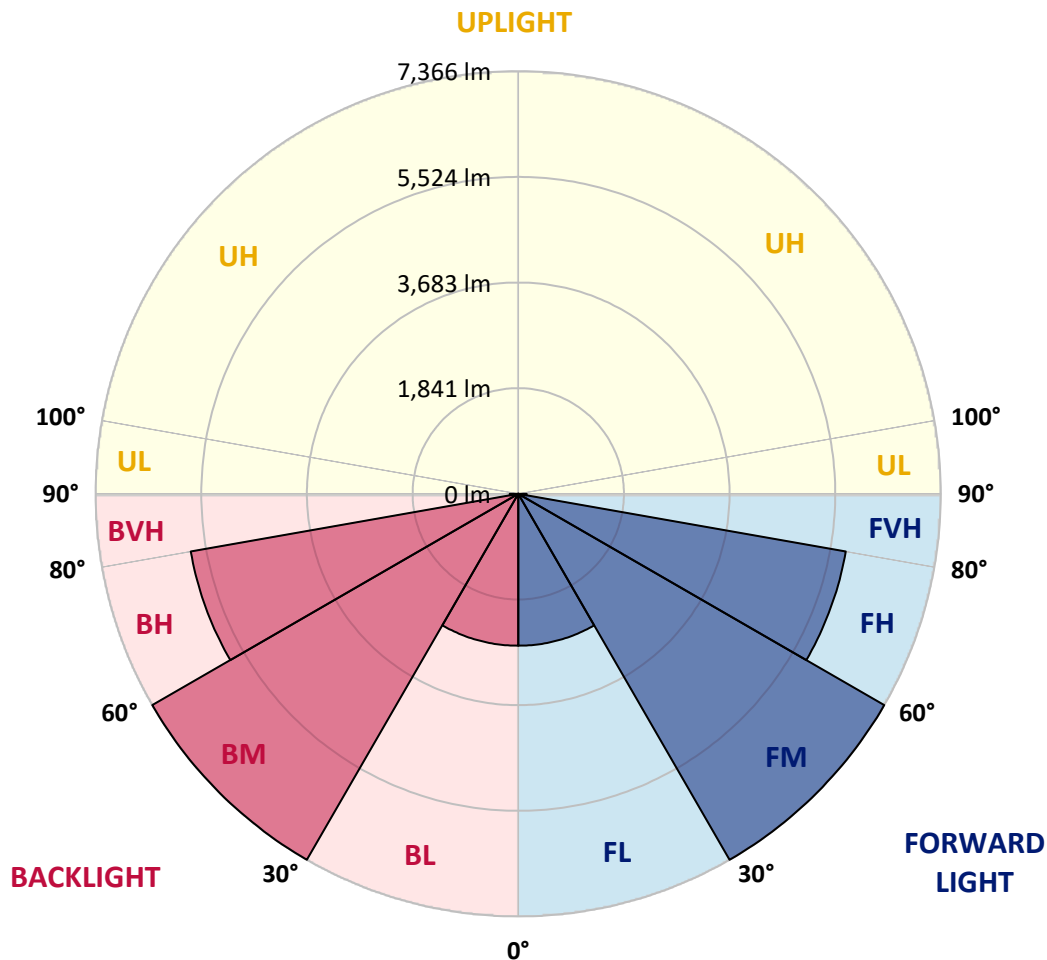
CATALOG NUMBER: GLAN-SB8A-840-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2646.9	8.3			
FM (30°-60°)	7365.7	23.1			
FH (60°-80°)	5796.6	18.2			G3/7500
FVH (80°-90°)	146.3	0.5			G2/225
BL (0°-30°)	2646.9	8.3	B4/5000		
BM (30°-60°)	7365.7	23.1	B4/8500		
BH (60°-80°)	5796.6	18.2	B5		G5
BVH (80°-90°)	146.3	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



REPORT NUMBER: P850554
 CATALOG NUMBER: GLAN-SB8A-840-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5962.9	5962.9	5962.9	5962.9	5962.9	5962.9	5962.9	5962.9	5962.9	5962.9
2.5°	5968.0	5974.8	5974.8	5969.7	5981.6	5971.4	5971.4	5966.3	5971.4	5966.3
5°	5998.5	6007.0	6010.4	6008.7	6024.0	6015.5	6015.5	6008.7	6010.4	6005.3
7.5°	6056.2	6068.1	6074.8	6083.3	6105.4	6095.2	6088.4	6068.1	6059.6	6046.0
10°	6074.8	6088.4	6110.5	6154.5	6205.4	6207.1	6186.8	6135.9	6096.9	6066.4
12.5°	6017.2	6035.8	6081.6	6171.5	6285.1	6330.9	6298.7	6213.9	6137.6	6083.3
15°	5944.3	5964.6	6034.1	6169.8	6337.7	6444.6	6441.2	6329.2	6207.1	6122.3
17.5°	5830.6	5851.0	5951.0	6141.0	6378.4	6554.8	6602.3	6487.0	6315.7	6202.0
20°	5625.4	5644.1	5783.1	6049.4	6392.0	6671.8	6795.6	6693.9	6480.2	6325.8
22.5°	5359.2	5388.0	5550.8	5891.7	6359.8	6793.9	7016.1	6946.5	6671.8	6458.1
25°	5074.2	5104.8	5294.7	5698.3	6276.7	6882.1	7277.3	7233.2	6888.9	6622.6
27.5°	4828.3	4860.5	5067.5	5506.7	6147.8	6916.0	7535.0	7557.1	7151.8	6804.1
30°	4635.0	4665.5	4886.0	5352.4	5981.6	6882.1	7760.6	7913.2	7419.7	6961.8
32.5°	4423.0	4462.0	4694.3	5164.1	5784.8	6800.7	7957.3	8298.2	7730.1	7131.4
35°	4155.0	4190.7	4434.9	4906.3	5527.1	6670.1	8121.8	8725.6	8174.4	7389.2
37.5°	3829.4	3863.3	4105.9	4584.1	5271.0	6487.0	8247.3	9207.2	8703.5	7760.6
40°	3502.1	3534.3	3761.6	4224.6	4964.0	6252.9	8291.4	9678.7	9310.7	8271.1
42.5°	3201.9	3230.8	3439.4	3870.1	4619.7	5954.4	8233.8	10089.1	9855.1	8627.2
45°	2925.5	2950.9	3135.8	3537.7	4261.9	5591.5	8060.8	10530.1	10502.9	8881.6
47.5°	2610.0	2635.5	2827.1	3215.5	3904.0	5165.8	7767.4	10964.2	11403.5	9458.2
50°	2225.1	2247.1	2443.8	2844.1	3532.6	4713.0	7360.4	11305.1	12539.7	10331.6
52.5°	1768.9	1792.6	1984.2	2384.5	3091.7	4226.3	6824.4	11527.3	13852.4	11607.0
55°	1316.0	1333.0	1499.2	1858.7	2545.6	3671.7	6152.9	11590.0	15341.4	13350.4
57.5°	954.8	965.0	1071.8	1339.8	1930.0	2978.1	5337.1	11427.2	17113.7	15585.6
60°	773.3	776.7	809.0	927.7	1341.5	2194.5	4351.8	10867.6	19036.9	18467.0
62.5°	702.1	702.1	710.6	742.8	907.3	1448.3	3159.5	9707.5	21099.1	22108.2
65°	652.9	652.9	656.3	671.6	715.7	922.6	1994.4	7818.3	22837.5	26373.5
67.5°	608.8	610.5	608.8	613.9	639.4	681.8	1156.6	5399.9	23773.6	30793.1
70°	563.1	566.4	558.0	558.0	578.3	580.0	724.2	2961.1	22996.9	34497.0
72.5°	508.8	513.9	500.3	496.9	512.2	505.4	544.4	1421.2	19744.1	35602.8
75°	461.3	468.1	437.6	429.1	429.1	424.0	442.6	729.3	12814.5	29042.9
77.5°	418.9	432.5	383.3	356.1	349.4	334.1	361.2	446.0	5605.1	13635.3
80°	346.0	364.6	315.4	283.2	271.3	254.4	284.9	312.1	1667.1	3166.3
82.5°	257.8	266.3	223.9	201.8	191.6	179.8	213.7	217.1	542.7	1121.0
85°	164.5	167.9	137.4	118.7	113.6	108.5	135.7	118.7	206.9	824.2
87.5°	57.7	66.1	52.6	47.5	50.9	42.4	62.7	35.6	57.7	581.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5962.9
5966.3
6005.3
6046.0
6061.3
6074.8
6108.8
6183.4
6297.0
6419.1
6568.4
6746.4
6878.7
7026.3
7272.2
7604.6
8104.9
8413.5
8593.3
9125.8
9914.4
11093.1
12707.6
14776.7
17447.8
20743.0
24647.0
28929.3
34006.9
36891.7
31064.4
13352.1
3032.3
1266.9
1197.3
720.8
0.0

OF REPORT)