

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: P849714

Luminaire Tested: **GLAN-SB6D-850-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849714
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-SB6D-850-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52416 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

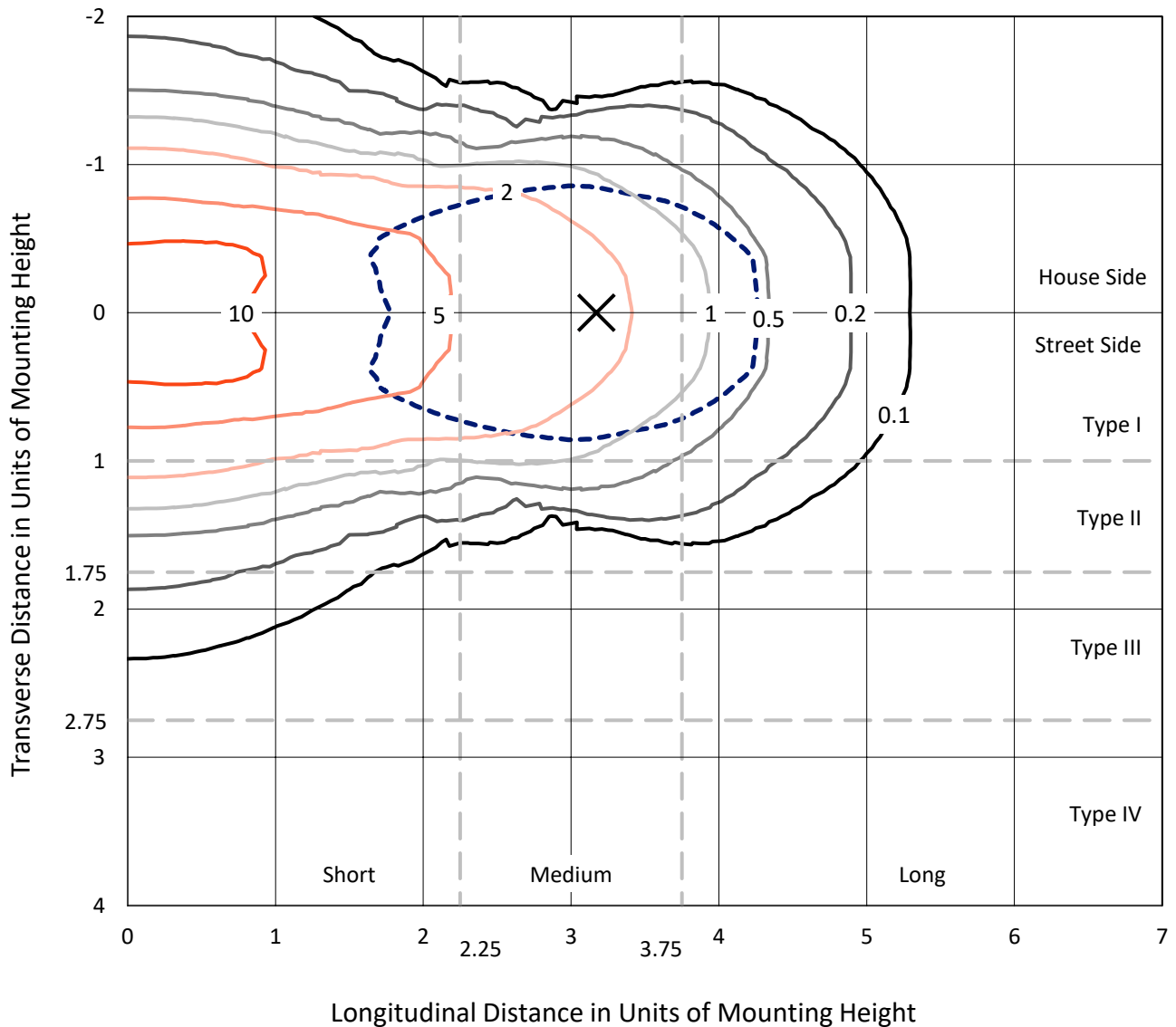
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P849714
 CATALOG NUMBER: GLAN-SB6D-850-U-T1

Iso-Footcandle Lines of Horizontal Illumination

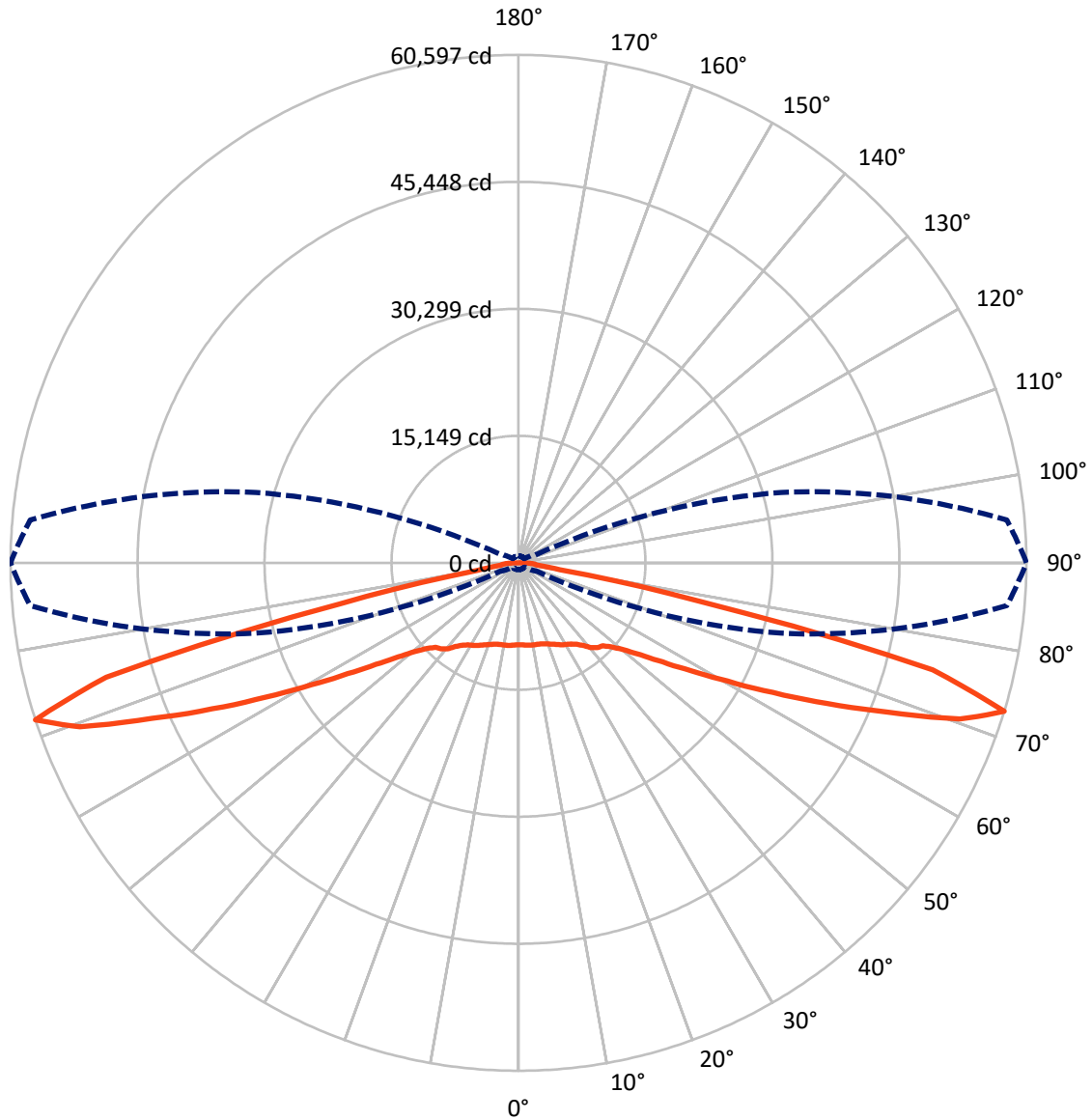
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.7 fc
 Type I - Short - N/A

REPORT NUMBER: P849714
CATALOG NUMBER: GLAN-SB6D-850-U-T1

Luminous Intensity Polar Plot



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

REPORT NUMBER: P849714
 CATALOG NUMBER: GLAN-SB6D-850-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26208.0	0.0	26208.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26208.0	0.0	26208.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	52416.0	0.0	52416.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	949.7	1.8
10°-20°	2903.8	5.5
20°-30°	4841.8	9.2
30°-40°	6659.0	12.7
40°-50°	8132.4	15.5
50°-60°	9406.0	17.9
60°-70°	11215.1	21.4
70°-80°	7827.4	14.9
80°-90°	480.8	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°	52416.0	100.0
0°-180°	52416.0	100.0

Coefficient of Utilization



REPORT NUMBER: P849714

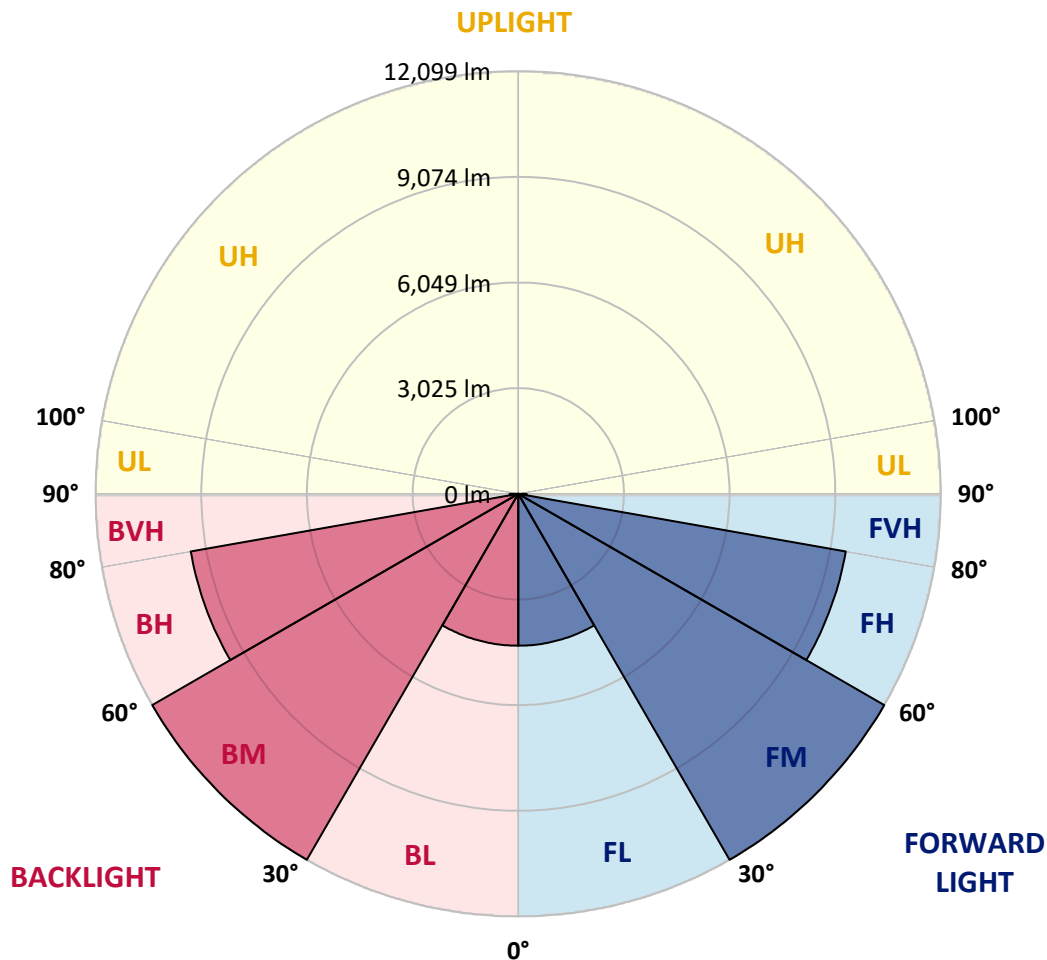
CATALOG NUMBER: GLAN-SB6D-850-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4347.6	8.3			
FM (30°-60°)	12098.7	23.1			
FH (60°-80°)	9521.3	18.2			G4/12000
FVH (80°-90°)	240.4	0.5			G3/500
BL (0°-30°)	4347.6	8.3	B4/5000		
BM (30°-60°)	12098.7	23.1	B5		
BH (60°-80°)	9521.3	18.2	B5		G5
BVH (80°-90°)	240.4	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



REPORT NUMBER: P849714
 CATALOG NUMBER: GLAN-SB6D-850-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9794.5	9794.5	9794.5	9794.5	9794.5	9794.5	9794.5	9794.5	9794.5	9794.5
2.5°	9802.8	9814.0	9814.0	9805.6	9825.1	9808.4	9808.4	9800.1	9808.4	9800.1
5°	9853.0	9866.9	9872.5	9869.7	9894.8	9880.8	9880.8	9869.7	9872.5	9864.1
7.5°	9947.7	9967.2	9978.3	9992.3	10028.5	10011.8	10000.6	9967.2	9953.3	9931.0
10°	9978.3	10000.6	10036.8	10109.3	10192.8	10195.6	10162.2	10078.6	10014.6	9964.4
12.5°	9883.6	9914.3	9989.5	10137.1	10323.8	10399.0	10346.0	10206.8	10081.4	9992.3
15°	9763.8	9797.3	9911.5	10134.3	10410.1	10585.6	10580.0	10396.2	10195.6	10056.3
17.5°	9577.2	9610.6	9775.0	10087.0	10477.0	10766.7	10844.7	10655.3	10373.9	10187.3
20°	9240.1	9270.8	9499.2	9936.6	10499.3	10958.9	11162.3	10995.1	10644.1	10390.6
22.5°	8802.8	8850.1	9117.6	9677.5	10446.3	11159.5	11524.4	11410.2	10958.9	10607.9
25°	8334.8	8384.9	8696.9	9359.9	10309.8	11304.3	11953.4	11881.0	11315.5	10878.1
27.5°	7930.9	7983.8	8323.6	9045.1	10098.1	11360.0	12376.8	12413.0	11747.3	11176.2
30°	7613.3	7663.4	8025.6	8791.6	9825.1	11304.3	12747.3	12998.0	12187.4	11435.3
32.5°	7265.1	7329.1	7710.8	8482.4	9502.0	11170.6	13070.5	13630.4	12697.2	11713.8
35°	6824.9	6883.4	7284.6	8059.0	9078.6	10956.1	13340.7	14332.4	13427.0	12137.2
37.5°	6290.1	6345.8	6744.2	7529.7	8657.9	10655.3	13546.8	15123.5	14296.2	12747.3
40°	5752.4	5805.4	6178.7	6939.2	8153.7	10270.8	13619.2	15897.9	15293.4	13585.8
42.5°	5259.4	5306.7	5649.4	6356.9	7588.2	9780.6	13524.5	16572.1	16187.6	14170.8
45°	4805.3	4847.1	5150.7	5810.9	7000.4	9184.4	13240.4	17296.3	17251.8	14588.7
47.5°	4287.2	4329.0	4643.7	5281.7	6412.7	8485.2	12758.5	18009.5	18731.0	15535.8
50°	3654.8	3691.0	4014.2	4671.6	5802.6	7741.4	12089.9	18569.4	20597.4	16970.4
52.5°	2905.5	2944.5	3259.3	3916.7	5078.3	6941.9	11209.6	18934.3	22753.5	19065.3
55°	2161.7	2189.6	2462.5	3053.1	4181.3	6031.0	10106.5	19037.4	25199.3	21928.9
57.5°	1568.3	1585.1	1760.6	2200.7	3170.1	4891.7	8766.6	18770.0	28110.4	25600.5
60°	1270.3	1275.8	1328.8	1523.8	2203.5	3604.7	7148.1	17850.7	31269.4	30333.4
62.5°	1153.3	1153.3	1167.2	1220.1	1490.3	2379.0	5189.7	15945.3	34656.8	36314.2
65°	1072.5	1072.5	1078.1	1103.1	1175.6	1515.4	3276.0	12842.0	37512.1	43320.3
67.5°	1000.1	1002.8	1000.1	1008.4	1050.2	1119.8	1899.8	8869.6	39049.8	50579.8
70°	924.8	930.4	916.5	916.5	949.9	952.7	1189.5	4863.8	37773.9	56663.7
72.5°	835.7	844.1	821.8	816.2	841.3	830.1	894.2	2334.4	32431.0	58480.0
75°	757.7	768.9	718.7	704.8	704.8	696.4	727.1	1197.8	21048.7	47704.9
77.5°	688.1	710.4	629.6	585.0	573.9	548.8	593.4	732.6	9206.7	22396.9
80°	568.3	598.9	518.1	465.2	445.7	417.9	468.0	512.6	2738.3	5200.9
82.5°	423.4	437.4	367.7	331.5	314.8	295.3	351.0	356.6	891.4	1841.3
85°	270.2	275.8	225.6	195.0	186.6	178.3	222.9	195.0	339.9	1353.8
87.5°	94.7	108.6	86.4	78.0	83.6	69.6	103.1	58.5	94.7	955.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

9794.5
9800.1
9864.1
9931.0
9956.1
9978.3
10034.1
10156.6
10343.3
10543.8
10789.0
11081.5
11298.8
11541.1
11945.0
12491.0
13312.8
13819.8
14115.1
14989.8
16285.1
18221.2
20873.2
24271.7
28659.2
34071.8
40484.4
47518.3
55858.6
60597.1
51025.5
21931.7
4980.8
2080.9
1966.7
1183.9
0.0

OF REPORT)