

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: P851751

Luminaire Tested: **GLAN-SB9D-850-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851751
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9D-850-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 80501 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

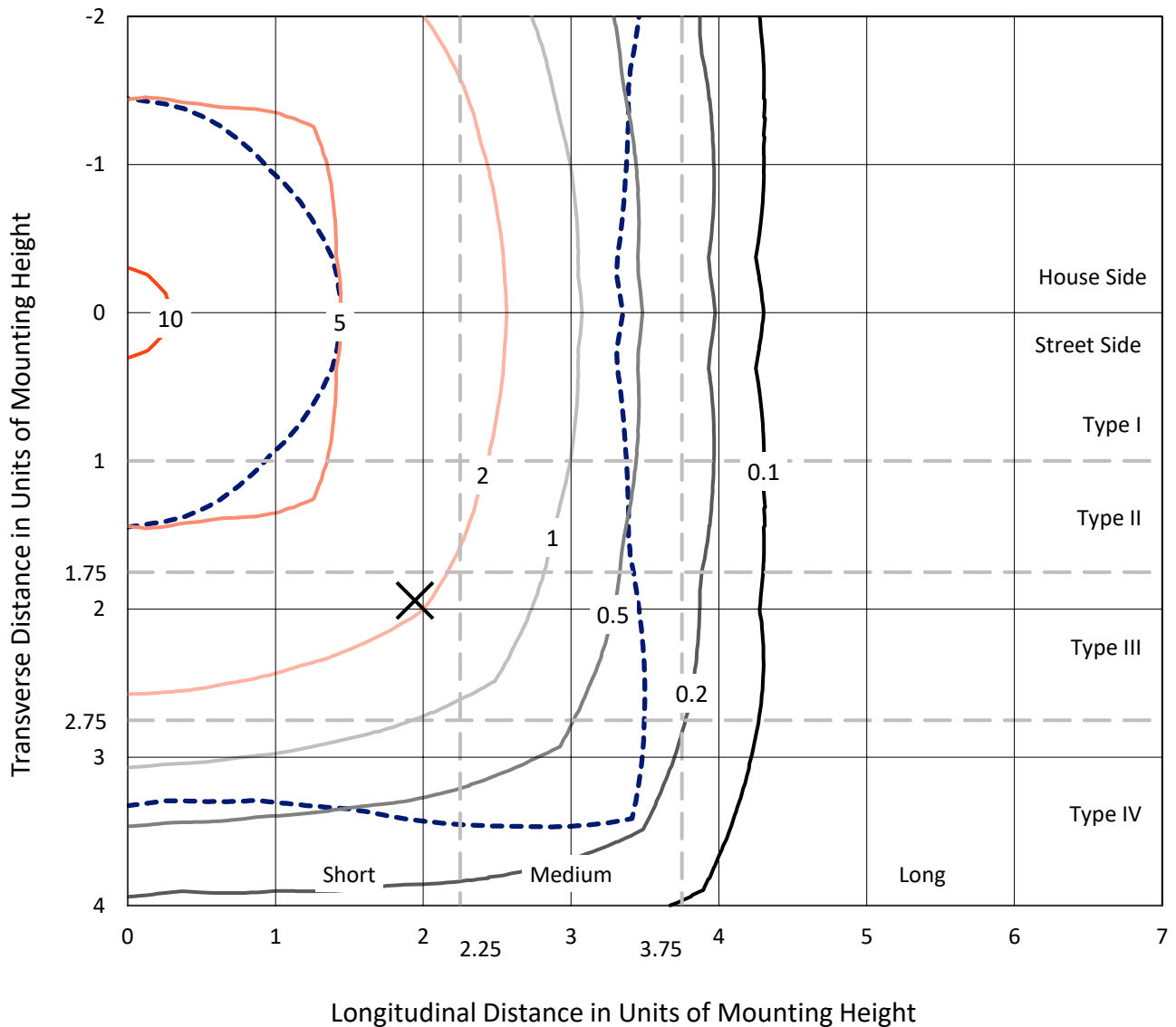
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P851751
 CATALOG NUMBER: GLAN-SB9D-850-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

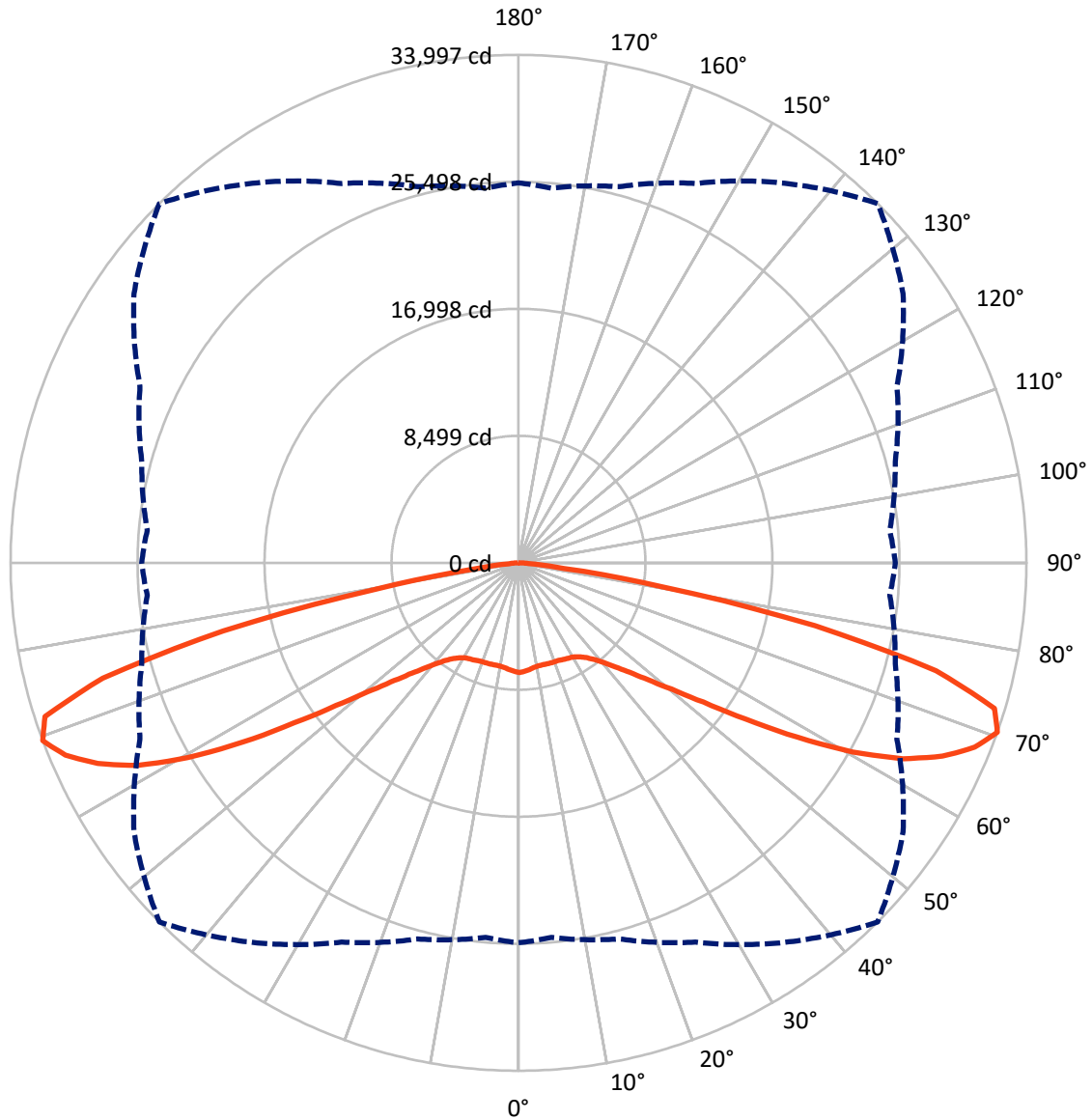
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 fc
 Type V - Short - N/A

REPORT NUMBER: P851751
CATALOG NUMBER: GLAN-SB9D-850-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P851751
 CATALOG NUMBER: GLAN-SB9D-850-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	40250.5	0.0	40250.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	40250.5	0.0	40250.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	80501.0	0.0	80501.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	683.1	0.8
10°-20°	2005.8	2.5
20°-30°	3337.9	4.1
30°-40°	5047.9	6.3
40°-50°	8388.3	10.4
50°-60°	15828.5	19.7
60°-70°	26727.1	33.2
70°-80°	17562.4	21.8
80°-90°	920.1	1.1
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°	80501.0	100.0
0°-180°	80501.0	100.0

Coefficient of Utilization

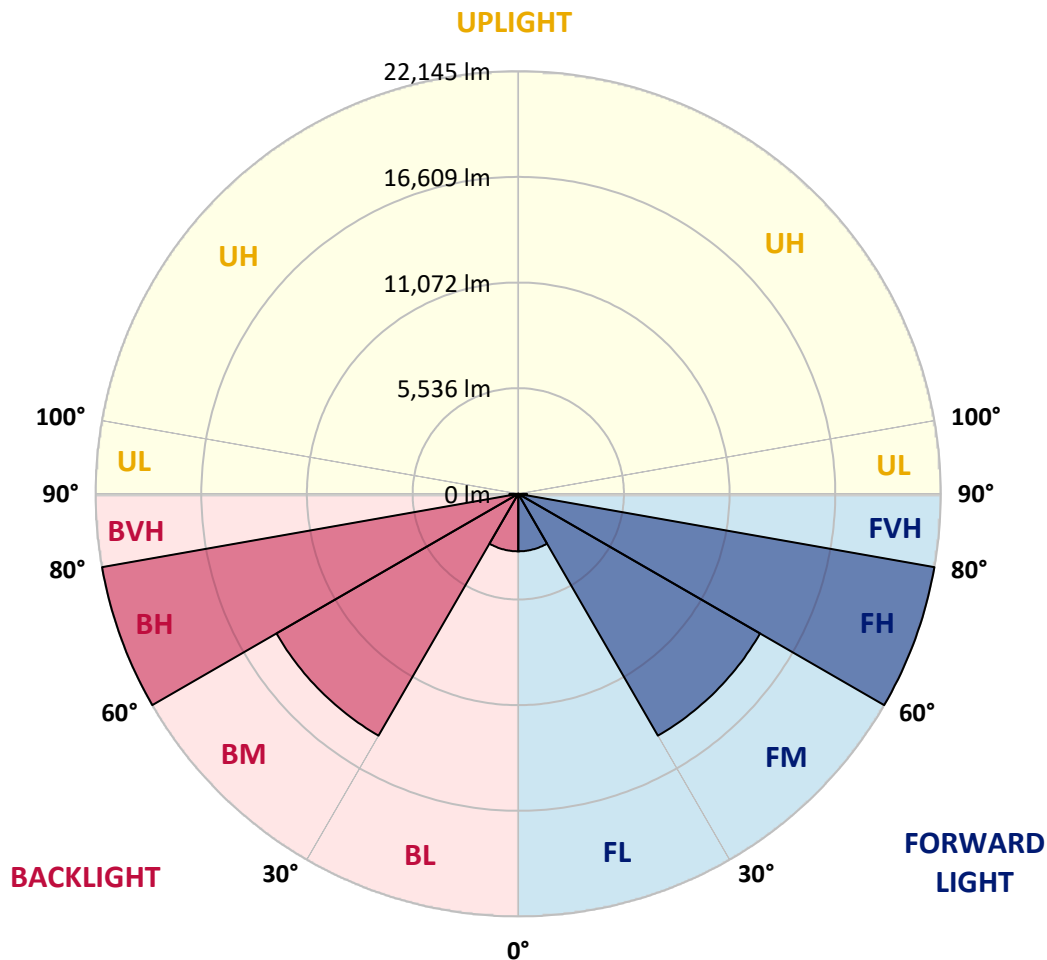


REPORT NUMBER: P851751
 CATALOG NUMBER: GLAN-SB9D-850-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3013.4	3.7			
FM (30°-60°)	14632.3	18.2			
FH (60°-80°)	22144.7	27.5			G5
FVH (80°-90°)	460.0	0.6			G3/500
BL (0°-30°)	3013.4	3.7	B4/5000		
BM (30°-60°)	14632.3	18.2	B5		
BH (60°-80°)	22144.7	27.5	B5		G5
BVH (80°-90°)	460.0	0.6			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 V Short



REPORT NUMBER: P851751
 CATALOG NUMBER: GLAN-SB9D-850-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7343.3	7343.3	7343.3	7343.3	7343.3	7343.3	7343.3	7343.3	7343.3	7343.3
2.5°	7297.3	7318.2	7309.8	7293.1	7293.1	7280.5	7293.1	7301.5	7314.0	7322.4
5°	7201.0	7217.8	7213.6	7201.0	7205.2	7192.7	7201.0	7213.6	7222.0	7226.2
7.5°	7117.4	7134.1	7125.7	7104.8	7104.8	7092.3	7096.4	7109.0	7121.5	7125.7
10°	7096.4	7113.2	7088.1	7054.6	7042.0	7025.3	7029.5	7042.0	7067.2	7079.7
12.5°	7104.8	7117.4	7092.3	7042.0	7029.5	7012.8	7012.8	7025.3	7058.8	7075.5
15°	7129.9	7142.5	7104.8	7050.4	7037.9	7025.3	7021.1	7037.9	7075.5	7104.8
17.5°	7175.9	7188.5	7129.9	7054.6	7037.9	7042.0	7037.9	7050.4	7109.0	7163.4
20°	7217.8	7226.2	7146.7	7054.6	7037.9	7042.0	7037.9	7063.0	7138.3	7213.6
22.5°	7230.3	7238.7	7163.4	7083.9	7071.3	7075.5	7071.3	7096.4	7167.6	7242.9
25°	7234.5	7247.1	7188.5	7125.7	7146.7	7155.0	7146.7	7150.8	7205.2	7272.2
27.5°	7297.3	7314.0	7259.6	7205.2	7217.8	7213.6	7226.2	7238.7	7280.5	7347.5
30°	7427.0	7439.5	7393.5	7339.1	7330.8	7301.5	7339.1	7381.0	7427.0	7485.6
32.5°	7640.4	7665.5	7606.9	7548.3	7510.7	7493.9	7523.2	7594.4	7657.1	7719.9
35°	7996.1	8012.8	7958.4	7849.6	7782.7	7782.7	7807.8	7899.8	8000.2	8079.7
37.5°	8498.2	8519.1	8422.8	8293.1	8192.7	8192.7	8226.2	8322.4	8473.1	8586.0
40°	9109.1	9138.3	9017.0	8883.1	8786.9	8770.1	8812.0	8920.8	9063.0	9205.3
42.5°	9845.5	9879.0	9720.0	9602.8	9527.5	9527.5	9548.4	9648.8	9778.5	9954.3
45°	10786.9	10845.5	10627.9	10510.8	10439.6	10456.4	10468.9	10556.8	10674.0	10874.8
47.5°	11908.3	11966.9	11736.7	11615.4	11602.9	11682.4	11632.1	11694.9	11757.7	11987.8
50°	13180.3	13280.7	13121.7	13113.4	13138.5	13284.9	13167.8	13201.2	13130.1	13276.5
52.5°	14736.8	14883.3	14854.0	14904.2	15184.5	15485.8	15218.0	15100.9	14833.1	14879.1
55°	16623.9	16845.7	16887.5	17188.8	17824.8	18439.9	17870.8	17398.0	16828.9	16724.3
57.5°	18770.4	18946.2	19147.0	19762.1	20950.4	22042.5	20950.4	19904.4	19008.9	18795.5
60°	21080.1	21297.7	21490.2	22398.1	24163.9	25699.5	24130.4	22469.3	21285.1	20996.4
62.5°	23561.4	23841.7	23975.6	24984.0	27042.6	28875.3	27071.9	25059.3	23745.5	23435.8
65°	25942.2	26172.3	26322.9	27398.3	29364.9	31201.8	29498.8	27515.5	26163.9	25758.1
67.5°	27051.0	27176.5	27544.7	28762.4	30837.7	32934.0	31189.2	28892.1	27381.6	26670.2
70°	25427.5	25172.3	26059.3	28009.2	31013.5	33996.8	31415.1	27950.6	26101.2	24946.3
72.5°	19649.1	19209.8	20749.6	24084.4	29005.0	33319.0	29205.9	24272.7	21707.8	19364.6
75°	10690.7	10192.8	12318.4	16536.1	23130.4	28879.5	23661.8	17008.9	13715.9	10611.2
77.5°	3016.8	2828.5	4544.1	8000.2	13912.5	20276.7	14448.1	8176.0	5389.3	3196.7
80°	924.7	895.4	1213.4	2410.1	5908.1	9711.6	5678.0	2439.4	1544.0	974.9
82.5°	548.1	502.1	602.5	878.7	1506.3	3050.3	1464.5	916.3	736.4	493.7
85°	313.8	292.9	355.7	426.8	506.3	648.6	422.6	435.2	393.3	263.6
87.5°	129.7	117.2	138.1	133.9	117.2	150.6	113.0	133.9	159.0	104.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
7343.3
7318.2
7226.2
7125.7
7079.7
7079.7
7109.0
7163.4
7217.8
7242.9
7268.0
7330.8
7473.0
7694.8
8050.4
8544.2
9159.3
9941.7
10866.4
11920.9
13188.7
14724.3
16561.2
18644.9
20745.4
23184.8
25557.2
26678.6
25222.5
19946.2
11301.6
3552.4
1029.3
535.6
276.2
96.2
0.0

OF REPORT)