

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: P954725

Luminaire Tested: **GLAN-SB7D-927-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954725
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7D-927-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45361 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

Input Watts (W): 512.8
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

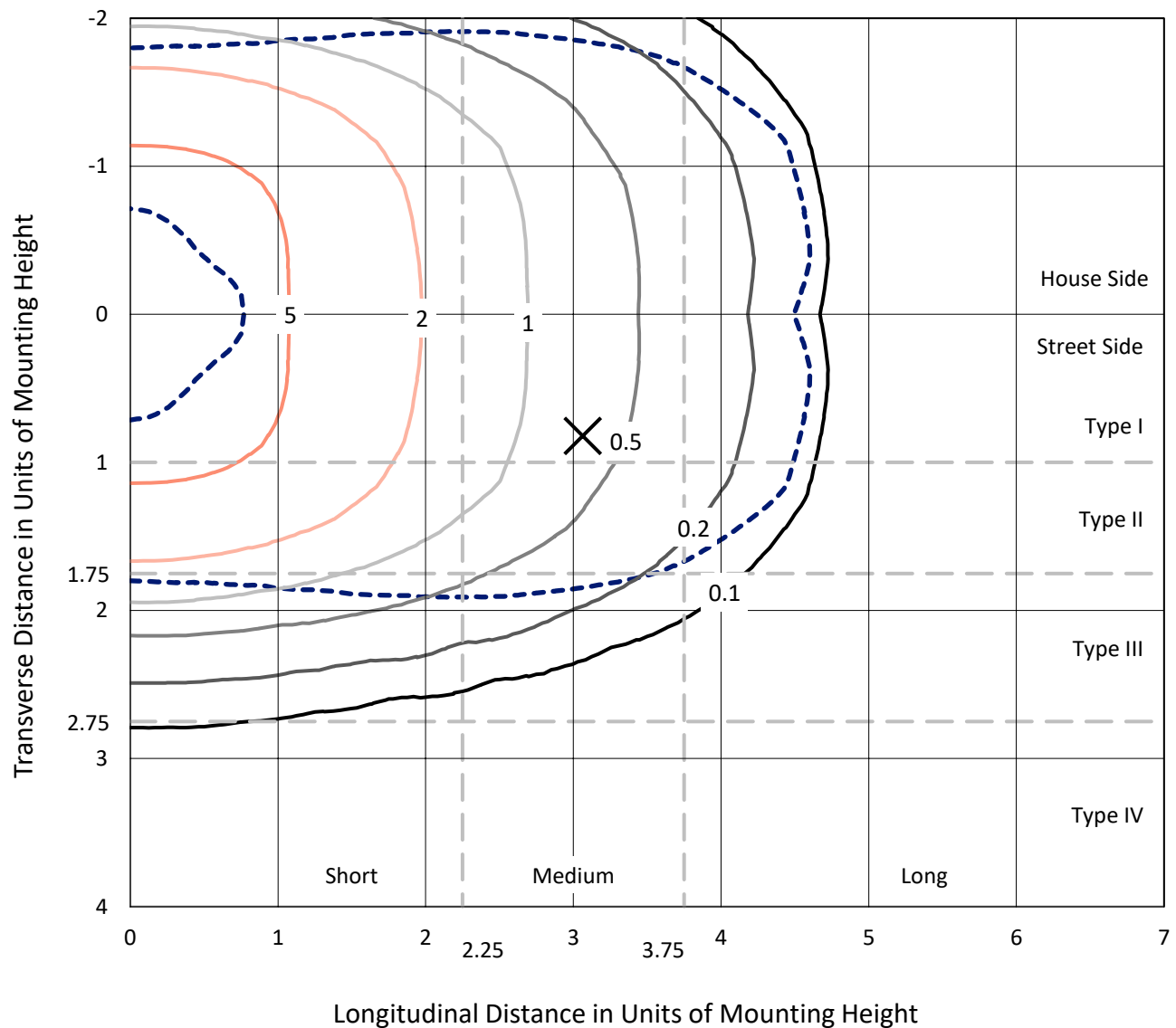


REPORT NUMBER: P954725

CATALOG NUMBER: GLAN-SB7D-927-U-RW

Iso-Footcandle Lines of Horizontal Illumination

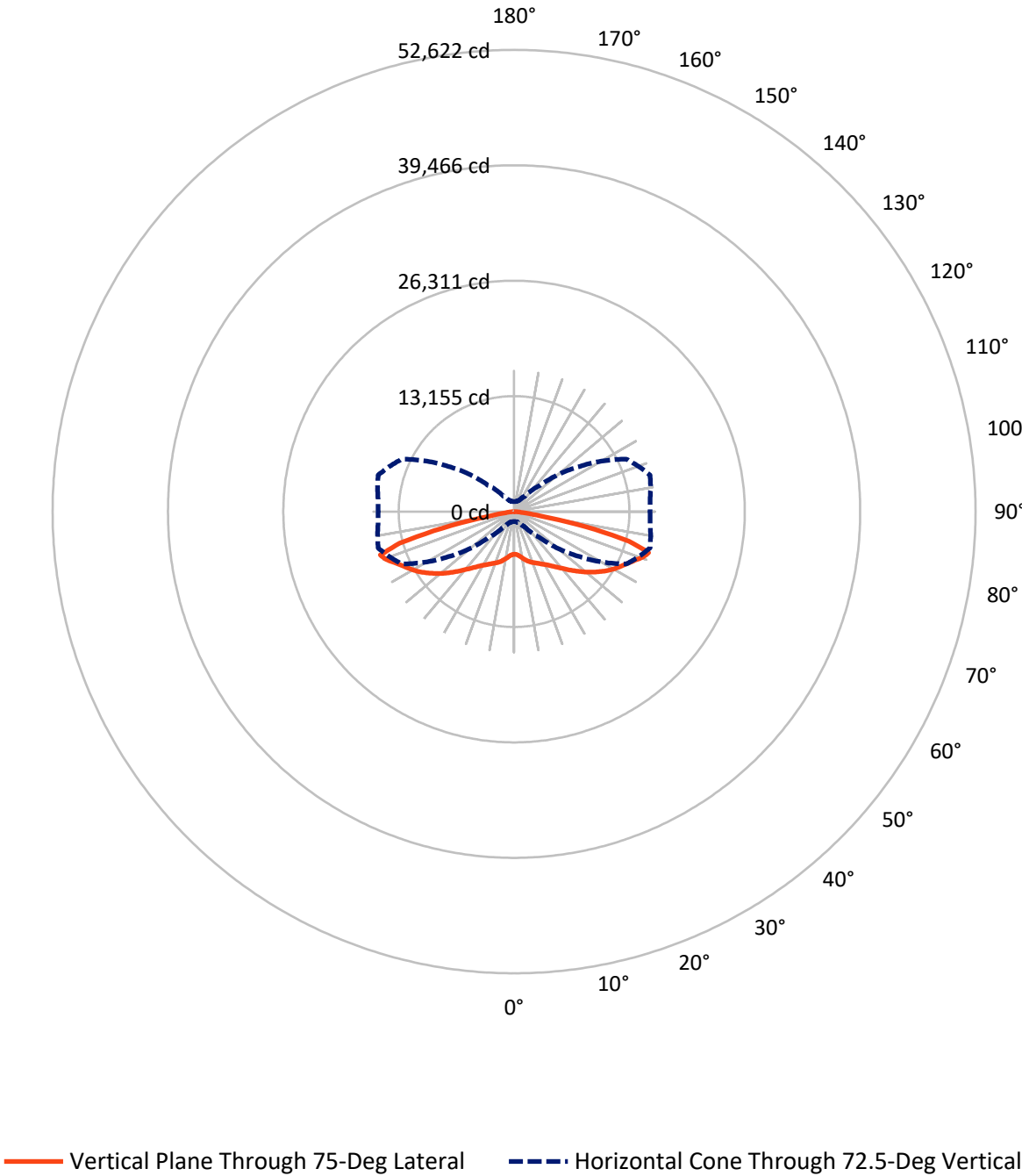
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
Type III - Medium - N/A

REPORT NUMBER: P954725
CATALOG NUMBER: GLAN-SB7D-927-U-RW

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22680.5	0.0	22680.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22680.5	0.0	22680.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	45361.0	0.0	45361.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	476.0	1.0
10°-20°	1569.9	3.5
20°-30°	3033.5	6.7
30°-40°	5122.2	11.3
40°-50°	8123.2	17.9
50°-60°	10876.0	24.0
60°-70°	10350.5	22.8
70°-80°	5401.0	11.9
80°-90°	408.8	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°	45361.0	100.0
0°-180°	45361.0	100.0

Coefficient of Utilization



REPORT NUMBER: P954725

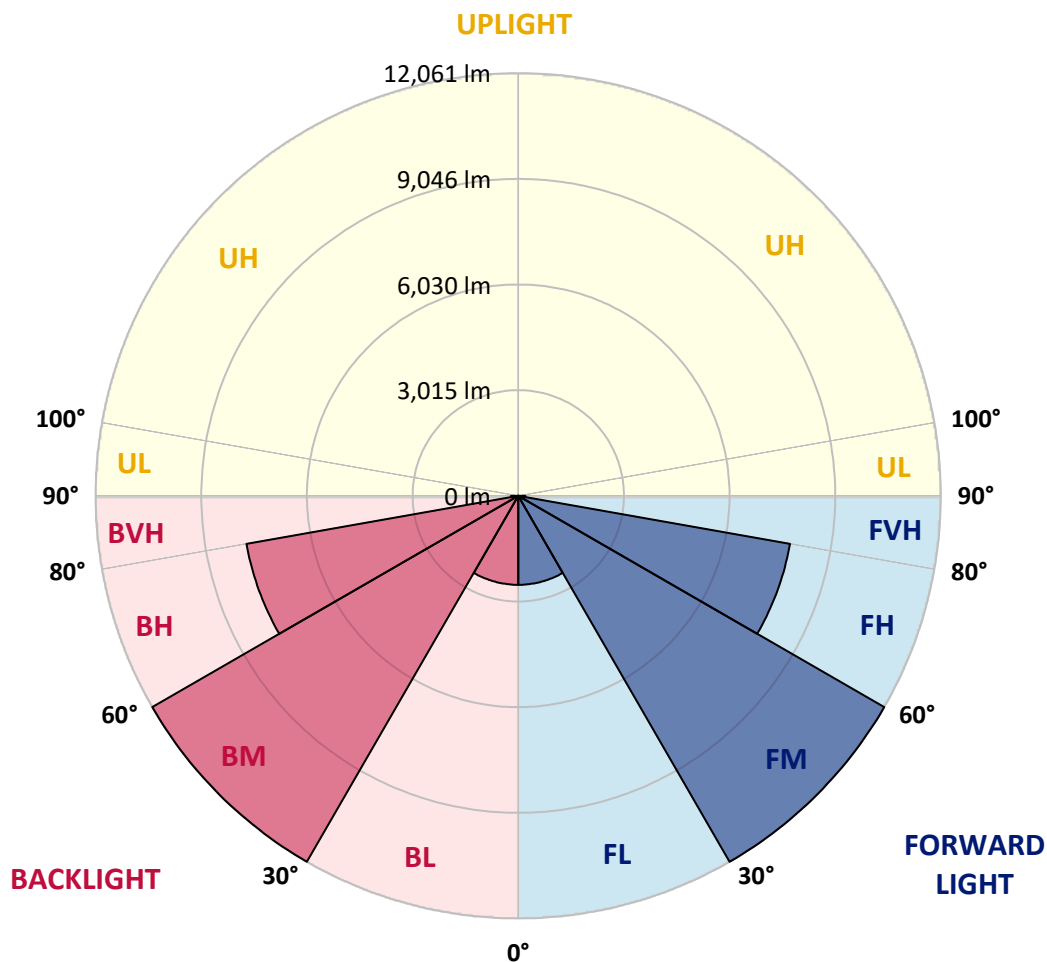
CATALOG NUMBER: GLAN-SB7D-927-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2539.7	5.6			
FM	(30°-60°)	12060.7	26.6			
FH	(60°-80°)	7875.8	17.4			G4/12000
FVH	(80°-90°)	204.4	0.5			G2/225
BL	(0°-30°)	2539.7	5.6	B4/5000		
BM	(30°-60°)	12060.7	26.6	B5		
BH	(60°-80°)	7875.8	17.4	B5		G5
BVH	(80°-90°)	204.4	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 III Medium



REPORT NUMBER: P954725

CATALOG NUMBER: GLAN-SB7D-927-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4859.0	4859.0	4859.0	4859.0	4859.0	4859.0	4859.0	4859.0	4859.0	4859.0
2.5°	4859.0	4854.3	4859.0	4863.6	4861.3	4861.3	4872.9	4879.8	4893.7	4891.4
5°	4826.6	4824.2	4842.8	4863.6	4879.8	4907.6	4942.4	4967.8	5000.3	5007.2
7.5°	4810.3	4803.4	4835.8	4872.9	4923.8	4993.3	5060.5	5129.9	5185.5	5204.1
10°	4821.9	4824.2	4868.2	4937.7	5018.8	5116.1	5211.0	5329.1	5407.9	5426.4
12.5°	4875.2	4870.6	4944.7	5055.8	5167.0	5289.8	5400.9	5530.6	5616.3	5660.3
15°	4972.5	4963.2	5067.4	5231.9	5394.0	5537.6	5627.9	5750.6	5850.2	5905.8
17.5°	5088.3	5092.9	5229.5	5442.6	5655.7	5817.8	5903.5	5966.0	6042.5	6091.1
20°	5292.1	5301.3	5454.2	5706.6	5949.8	6135.1	6204.6	6181.4	6202.3	6239.3
22.5°	5565.4	5570.0	5741.4	6014.7	6269.4	6473.2	6519.5	6424.6	6366.7	6392.2
25°	5882.6	5912.8	6084.1	6364.4	6626.1	6820.6	6841.5	6697.9	6554.3	6561.2
27.5°	6269.4	6297.2	6470.9	6748.8	7015.2	7184.2	7181.9	6989.7	6778.9	6725.7
30°	6688.6	6718.7	6897.1	7184.2	7432.1	7580.3	7547.9	7318.6	7017.5	6917.9
32.5°	7186.6	7205.1	7385.7	7672.9	7902.2	8020.3	7953.2	7670.6	7295.4	7181.9
35°	7788.7	7816.5	7950.8	8221.8	8423.3	8520.6	8407.1	8073.6	7652.1	7524.7
37.5°	8476.6	8458.0	8610.9	8851.8	9018.5	9078.7	8923.6	8527.5	8059.7	7909.2
40°	9194.5	9185.3	9352.0	9583.6	9673.9	9711.0	9481.7	9048.6	8529.8	8367.7
42.5°	9845.3	9838.4	10063.0	10320.1	10429.0	10387.3	10097.8	9602.2	9074.1	8888.8
45°	10366.4	10357.2	10632.8	10994.1	11207.1	11137.7	10748.6	10213.6	9625.3	9433.1
47.5°	10767.1	10771.7	11068.2	11515.2	11888.0	11913.5	11413.3	10836.6	10232.1	10014.4
50°	11056.6	11070.5	11387.8	11883.4	12392.9	12617.6	12091.9	11475.8	10859.7	10614.2
52.5°	11128.4	11153.9	11536.0	12117.3	12717.2	13145.6	12782.0	12089.5	11455.0	11221.0
55°	10746.3	10797.2	11281.3	12098.8	12916.4	13493.0	13388.8	12712.5	12054.8	11813.9
57.5°	9868.5	9940.3	10505.4	11573.1	12872.3	13731.6	13859.0	13310.1	12654.6	12423.0
60°	8638.7	8724.4	9266.3	10431.3	12251.7	13819.6	14190.2	13891.4	13205.9	12981.2
62.5°	6783.6	6894.7	7543.2	8909.7	10940.8	13409.7	14472.7	14417.1	13701.5	13421.2
65°	4351.8	4469.9	5153.1	6767.4	9192.2	12154.4	14560.7	14929.0	14224.9	13833.5
67.5°	2624.0	2677.3	3015.4	4101.6	6718.7	10262.2	13815.0	15496.4	14836.3	14350.0
70°	1679.1	1709.2	1910.7	2408.6	3798.2	7487.6	11966.8	15602.9	15577.4	14880.3
72.5°	1139.5	1148.7	1202.0	1426.7	2149.3	4254.5	8826.3	14125.3	16040.6	15563.5
75°	833.8	884.7	970.4	1009.8	1220.5	2126.1	5058.2	9924.1	13518.5	13727.0
77.5°	620.7	623.0	741.1	787.4	870.8	1132.5	2140.0	5539.9	8393.2	8812.4
80°	525.7	497.9	495.6	634.6	655.4	706.4	956.5	1913.0	3006.2	1822.7
82.5°	437.7	407.6	368.2	495.6	447.0	433.1	414.6	778.2	956.5	470.1
85°	305.7	291.8	277.9	324.2	254.8	217.7	199.2	363.6	403.0	199.2
87.5°	132.0	136.6	139.0	143.6	106.5	76.4	76.4	101.9	101.9	78.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4859.0
4889.1
5007.2
5208.7
5444.9
5678.8
5926.7
6114.2
6267.1
6410.7
6572.8
6741.9
6929.5
7209.7
7543.2
7936.9
8421.0
8935.1
9477.1
10079.2
10688.4
11281.3
11881.1
12476.3
13029.8
13453.7
13882.1
14387.0
14875.7
15489.4
13222.1
7860.5
1378.0
400.7
176.0
57.9
0.0