

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: P850974

Luminaire Tested: **GLAN-SB8D-727-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850974
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-SB8D-727-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 72392 lumens
Efficiency: N/A
Efficacy: 123.8 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

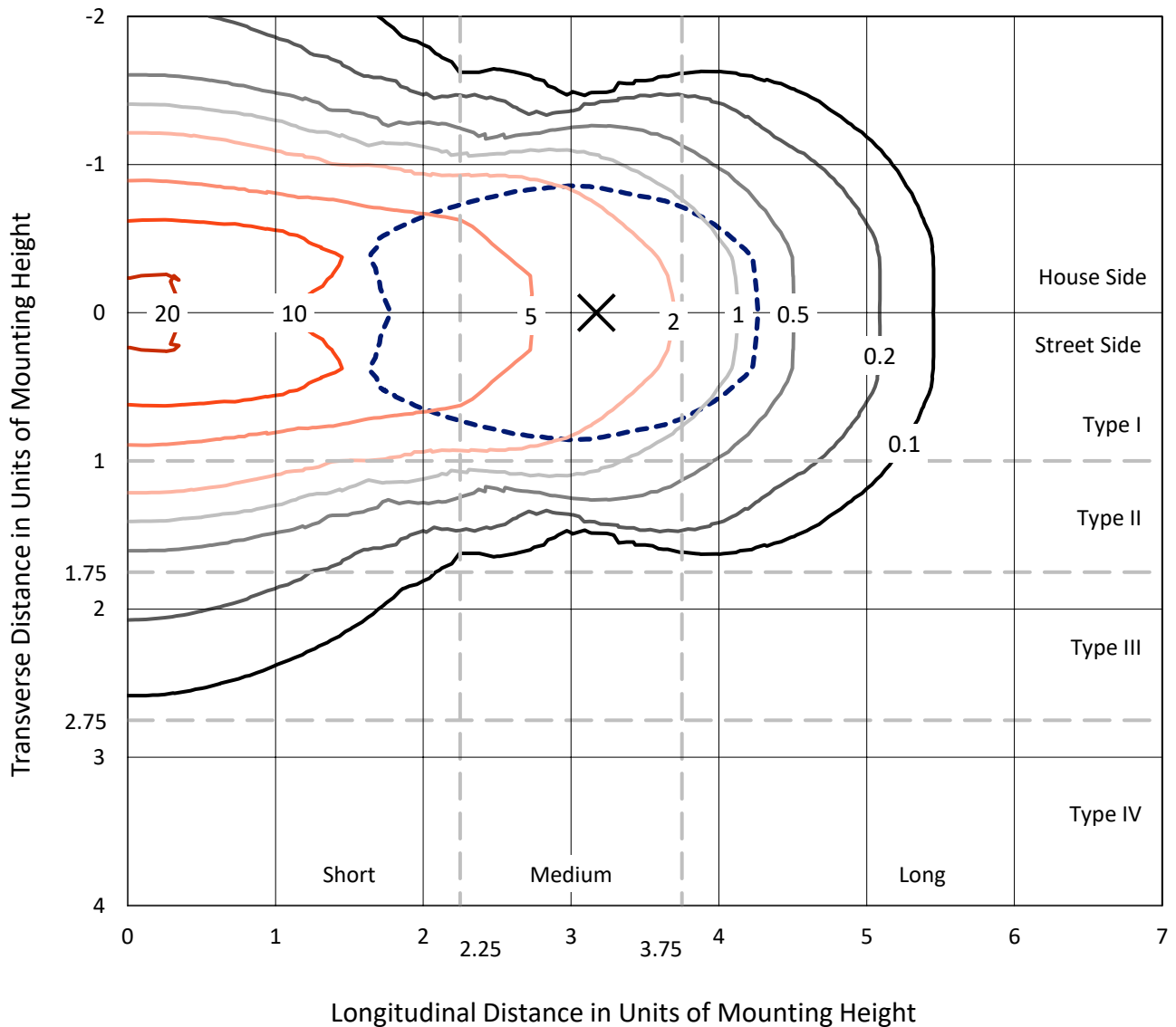
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850974
 CATALOG NUMBER: GLAN-SB8D-727-U-T1

Iso-Footcandle Lines of Horizontal Illumination

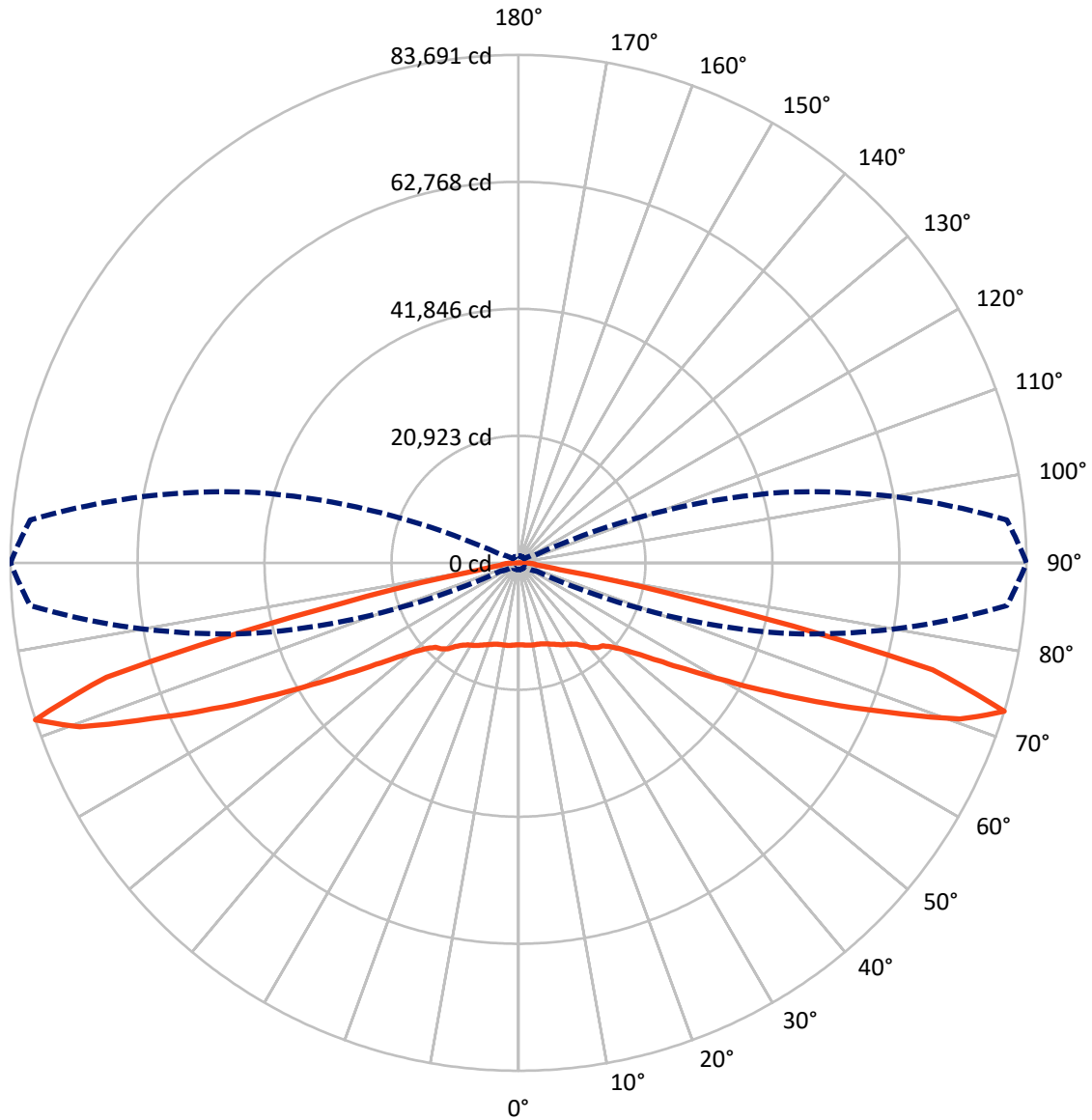
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.6 fc
 Type I - Short - N/A

REPORT NUMBER: P850974
CATALOG NUMBER: GLAN-SB8D-727-U-T1

Luminous Intensity Polar Plot



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

REPORT NUMBER: P850974
 CATALOG NUMBER: GLAN-SB8D-727-U-T1

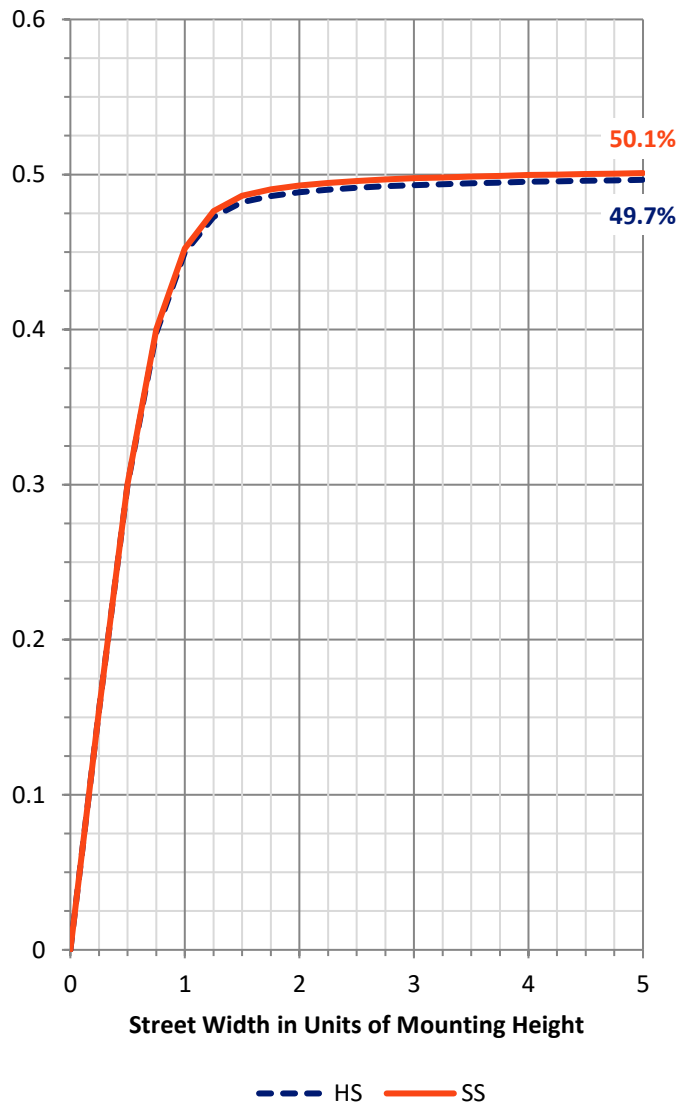
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	36196.0	0.0	36196.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	36196.0	0.0	36196.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	72392.0	0.0	72392.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1311.6	1.8
10°-20°	4010.4	5.5
20°-30°	6687.0	9.2
30°-40°	9196.7	12.7
40°-50°	11231.7	15.5
50°-60°	12990.7	17.9
60°-70°	15489.3	21.4
70°-80°	10810.5	14.9
80°-90°	664.0	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°	72392.0	100.0
0°-180°	72392.0	100.0

Coefficient of Utilization

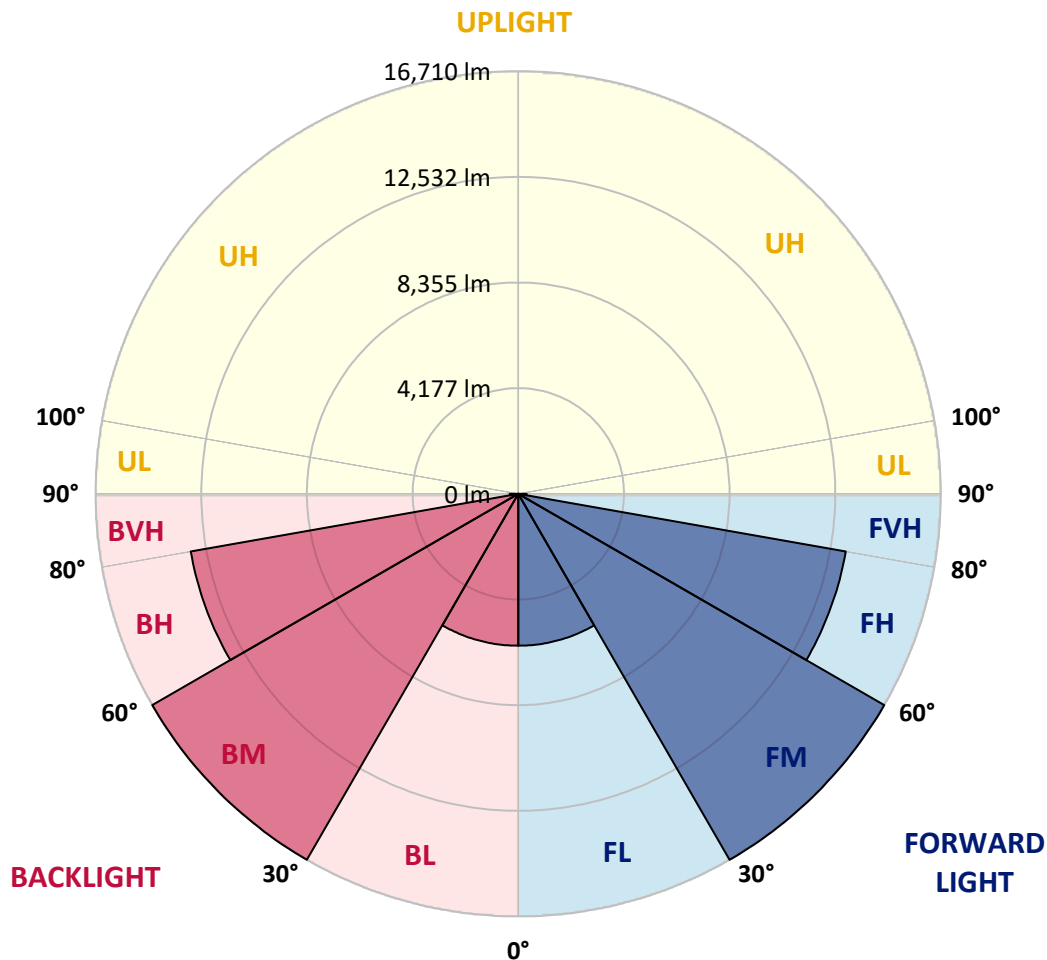


REPORT NUMBER: P850974
 CATALOG NUMBER: GLAN-SB8D-727-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6004.5	8.3			
FM (30°-60°)	16709.6	23.1			
FH (60°-80°)	13149.9	18.2			G5
FVH (80°-90°)	332.0	0.5			G3/500
BL (0°-30°)	6004.5	8.3	B5		
BM (30°-60°)	16709.6	23.1	B5		
BH (60°-80°)	13149.9	18.2	B5		G5
BVH (80°-90°)	332.0	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: P850974
 CATALOG NUMBER: GLAN-SB8D-727-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13527.2	13527.2	13527.2	13527.2	13527.2	13527.2	13527.2	13527.2	13527.2	13527.2
2.5°	13538.8	13554.1	13554.1	13542.6	13569.5	13546.4	13546.4	13534.9	13546.4	13534.9
5°	13608.0	13627.2	13634.9	13631.1	13665.7	13646.5	13646.5	13631.1	13634.9	13623.4
7.5°	13738.8	13765.7	13781.1	13800.4	13850.4	13827.3	13811.9	13765.7	13746.5	13715.7
10°	13781.1	13811.9	13861.9	13962.0	14077.4	14081.2	14035.1	13919.6	13831.1	13761.9
12.5°	13650.3	13692.6	13796.5	14000.4	14258.2	14362.1	14289.0	14096.6	13923.5	13800.4
15°	13484.9	13531.1	13688.8	13996.6	14377.5	14619.9	14612.2	14358.2	14081.2	13888.9
17.5°	13227.1	13273.3	13500.3	13931.2	14469.8	14869.9	14977.7	14716.0	14327.5	14069.7
20°	12761.6	12803.9	13119.4	13723.4	14500.6	15135.4	15416.2	15185.4	14700.6	14350.5
22.5°	12157.6	12223.0	12592.3	13365.6	14427.5	15412.4	15916.4	15758.7	15135.4	14650.6
25°	11511.2	11580.5	12011.4	12927.0	14239.0	15612.5	16508.9	16408.9	15627.9	15023.8
27.5°	10953.3	11026.4	11495.8	12492.3	13946.6	15689.4	17093.7	17143.7	16224.2	15435.5
30°	10514.8	10584.0	11084.2	12142.2	13569.5	15612.5	17605.4	17951.6	16832.1	15793.3
32.5°	10033.8	10122.3	10649.4	11715.1	13123.2	15427.8	18051.7	18825.0	17536.1	16178.0
35°	9426.0	9506.8	10060.8	11130.3	12538.4	15131.5	18424.9	19794.5	18544.1	16762.8
37.5°	8687.3	8764.2	9314.4	10399.3	11957.5	14716.0	18709.6	20887.2	19744.5	17605.4
40°	7944.7	8017.8	8533.4	9583.7	11261.1	14185.1	18809.6	21956.7	21121.8	18763.4
42.5°	7263.8	7329.2	7802.4	8779.6	10480.1	13508.0	18678.8	22887.8	22356.8	19571.4
45°	6636.6	6694.4	7113.7	8025.5	9668.3	12684.6	18286.4	23888.1	23826.5	20148.5
47.5°	5921.0	5978.7	6413.5	7294.5	8856.6	11719.0	17620.8	24873.0	25869.4	21456.6
50°	5047.7	5097.7	5544.0	6452.0	8014.0	10691.7	16697.4	25646.3	28447.2	23437.9
52.5°	4012.8	4066.6	4501.4	5409.3	7013.7	9587.5	15481.7	26150.3	31425.0	26331.1
55°	2985.5	3024.0	3401.0	4216.7	5774.8	8329.5	13958.1	26292.6	34802.9	30286.2
57.5°	2166.0	2189.1	2431.5	3039.4	4378.3	6755.9	12107.5	25923.3	38823.4	35357.0
60°	1754.4	1762.1	1835.2	2104.5	3043.2	4978.4	9872.2	24653.7	43186.3	41893.6
62.5°	1592.8	1592.8	1612.0	1685.1	2058.3	3285.6	7167.6	22022.1	47864.6	50153.8
65°	1481.2	1481.2	1488.9	1523.5	1623.6	2092.9	4524.5	17736.2	51808.1	59829.8
67.5°	1381.2	1385.0	1381.2	1392.7	1450.4	1546.6	2623.9	12249.9	53931.9	69856.0
70°	1277.3	1285.0	1265.8	1265.8	1311.9	1315.8	1642.8	6717.4	52169.8	78258.5
72.5°	1154.2	1165.7	1135.0	1127.3	1161.9	1146.5	1235.0	3224.1	44790.6	80767.0
75°	1046.5	1061.9	992.6	973.4	973.4	961.8	1004.2	1654.4	29070.4	65885.5
77.5°	950.3	981.1	869.5	807.9	792.5	757.9	819.5	1011.8	12715.4	30932.5
80°	784.9	827.2	715.6	642.5	615.6	577.1	646.4	707.9	3781.9	7183.0
82.5°	584.8	604.0	507.8	457.8	434.7	407.8	484.8	492.5	1231.1	2543.1
85°	373.2	380.9	311.6	269.3	257.8	246.2	307.8	269.3	469.4	1869.8
87.5°	130.8	150.0	119.3	107.7	115.4	96.2	142.4	80.8	130.8	1319.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

13527.2
13534.9
13623.4
13715.7
13750.4
13781.1
13858.1
14027.4
14285.1
14562.1
14900.7
15304.7
15604.8
15939.5
16497.3
17251.4
18386.4
19086.6
19494.4
20702.5
22491.5
25165.4
28828.0
33521.8
39581.3
47056.7
55913.2
65627.7
77146.6
83691.0
70471.5
30290.0
6879.0
2874.0
2716.2
1635.1
0.0

OF REPORT)