

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: P452294

Luminaire Tested: **GLAN-SA3B-727-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P452294
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3B-727-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14181 lumens
Efficiency: N/A
Efficacy: 117.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

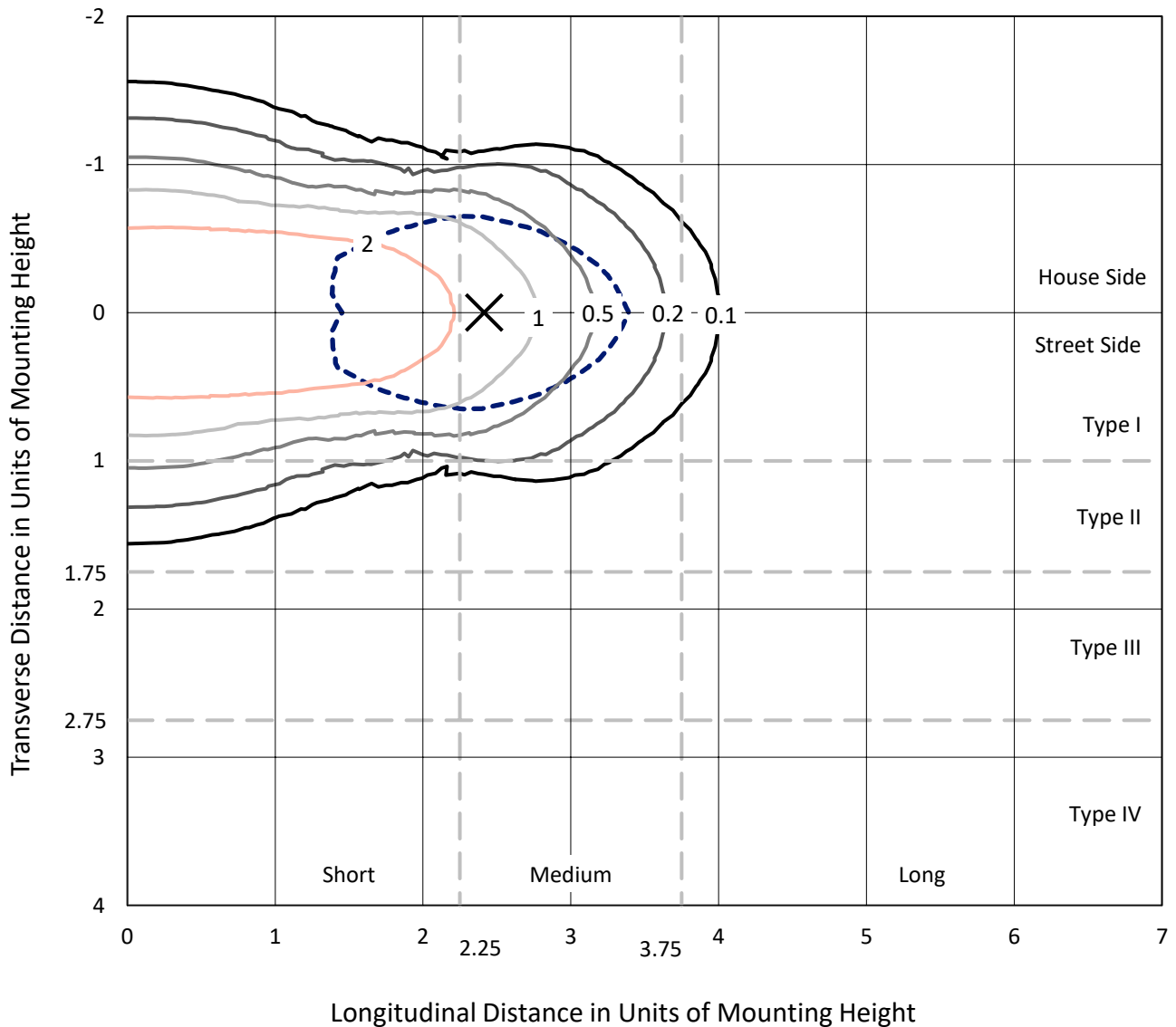
Input Watts (W): 121
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P452294
 CATALOG NUMBER: GLAN-SA3B-727-U-T1

Iso-Footcandle Lines of Horizontal Illumination

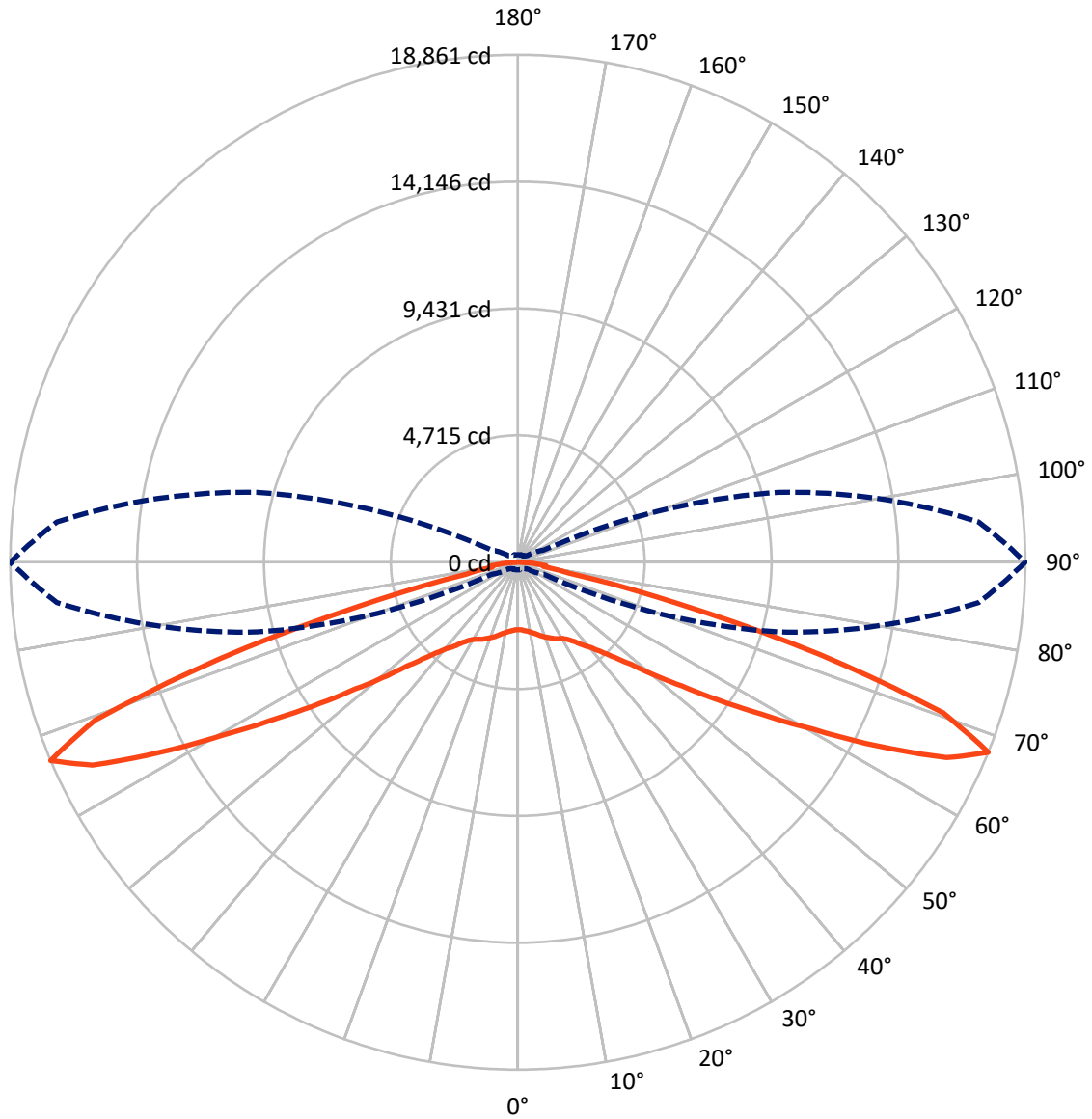
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type I - Short - N/A

REPORT NUMBER: P452294
CATALOG NUMBER: GLAN-SA3B-727-U-T1

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P452294

CATALOG NUMBER: GLAN-SA3B-727-U-T1

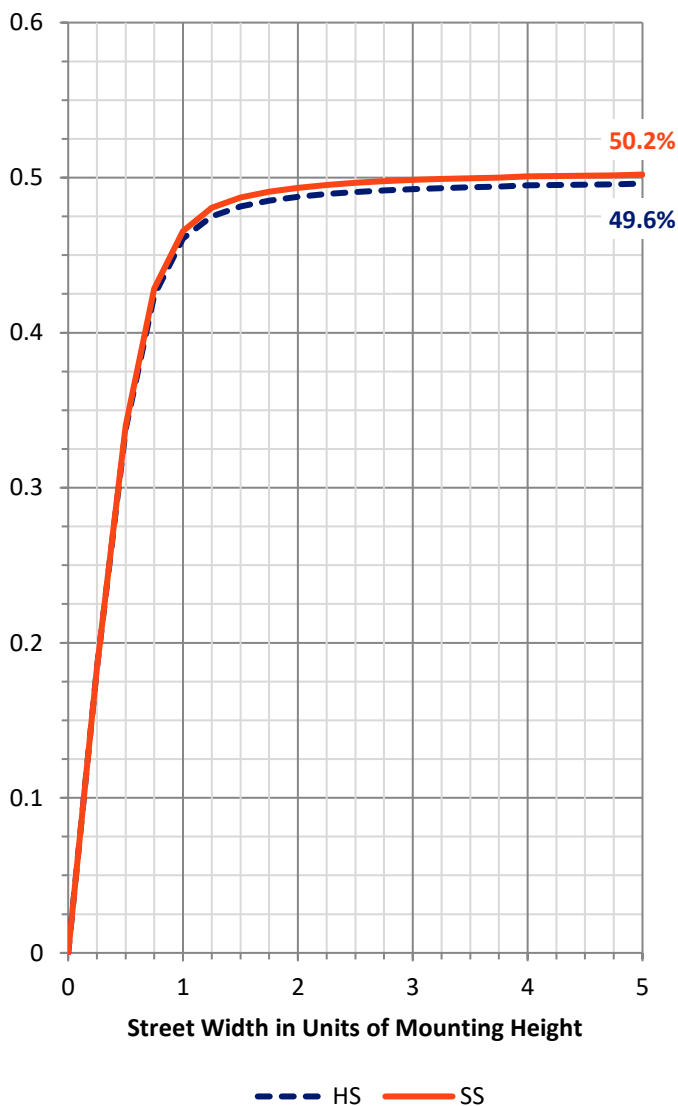
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7090.5	0.0	7090.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7090.5	0.0	7090.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14181.0	0.0	14181.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.3	1.8
10°-20°	800.8	5.6
20°-30°	1340.3	9.5
30°-40°	1815.8	12.8
40°-50°	2300.0	16.2
50°-60°	2873.3	20.3
60°-70°	3377.5	23.8
70°-80°	1292.0	9.1
80°-90°	130.9	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°	14181.0	100.0
0°-180°	14181.0	100.0

Coefficient of Utilization



REPORT NUMBER: P452294

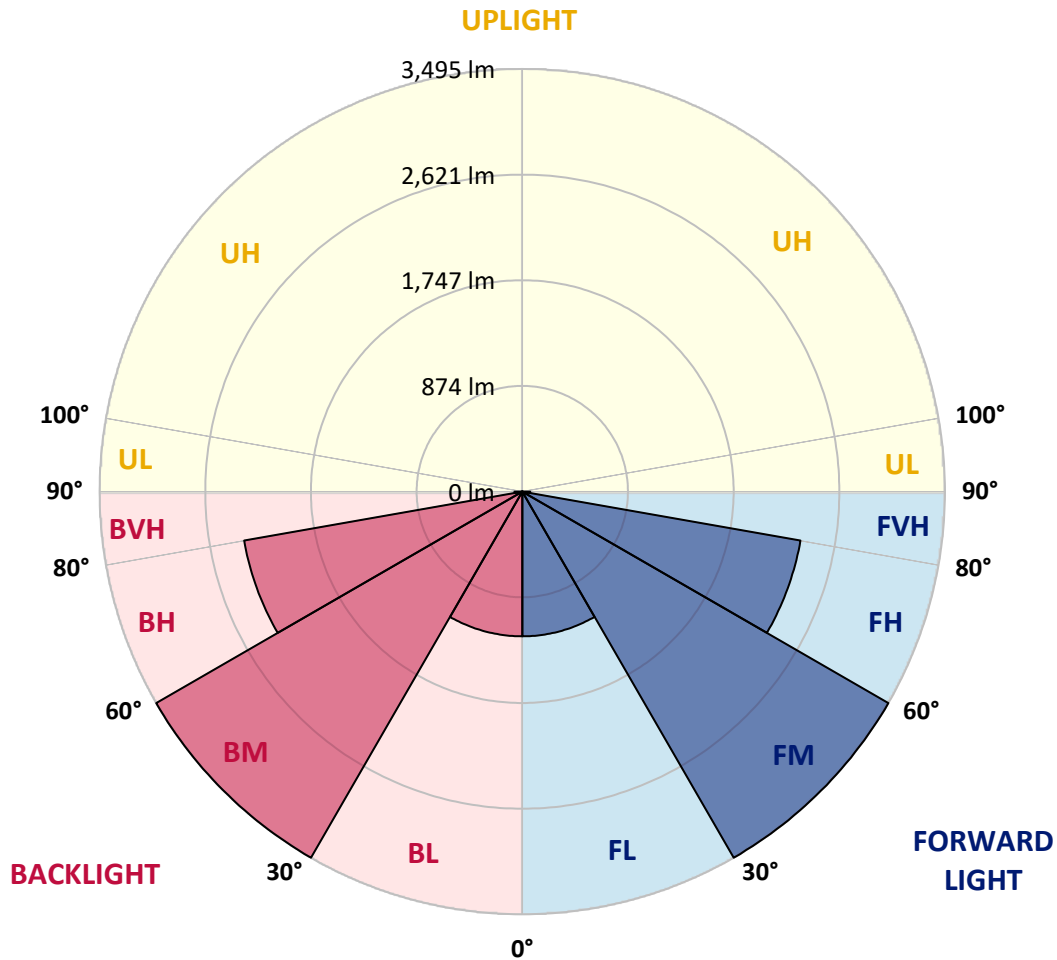
CATALOG NUMBER: GLAN-SA3B-727-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1195.7	8.4			
FM	(30°-60°)	3494.6	24.6			
FH	(60°-80°)	2334.7	16.5			G2/5000
FVH	(80°-90°)	65.4	0.5			G1/100
BL	(0°-30°)	1195.7	8.4	B3/2500		
BM	(30°-60°)	3494.6	24.6	B3/5000		
BH	(60°-80°)	2334.7	16.5	B3/2500		G3/2500
BVH	(80°-90°)	65.4	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short





REPORT NUMBER: P452294
 CATALOG NUMBER: GLAN-SA3B-727-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2510.5	2510.5	2510.5	2510.5	2510.5	2510.5	2510.5	2510.5	2510.5	2510.5	2510.5
2.5°	2542.7	2541.1	2541.9	2541.1	2543.5	2541.9	2532.5	2524.6	2518.3	2519.1	2516.8
5°	2596.9	2597.6	2598.4	2594.5	2600.0	2596.9	2581.9	2569.4	2556.8	2552.1	2550.5
7.5°	2641.6	2645.5	2647.9	2651.8	2661.2	2661.2	2653.4	2635.3	2607.9	2592.1	2591.4
10°	2686.4	2689.5	2696.6	2709.1	2724.9	2739.8	2736.6	2712.3	2677.0	2650.3	2644.0
12.5°	2702.1	2706.0	2729.6	2765.7	2801.0	2830.1	2830.1	2810.4	2764.9	2724.1	2712.3
15°	2647.1	2654.2	2696.6	2773.5	2866.2	2929.8	2943.9	2916.5	2867.8	2805.0	2790.8
17.5°	2538.0	2555.2	2617.3	2731.1	2885.0	3017.0	3057.8	3044.5	2981.6	2901.5	2885.0
20°	2421.0	2439.8	2505.8	2656.5	2869.3	3068.0	3186.6	3189.7	3112.0	2995.8	2971.4
22.5°	2292.2	2306.3	2391.1	2567.8	2822.2	3079.8	3297.3	3351.5	3246.3	3090.0	3055.4
25°	2147.7	2163.4	2252.1	2442.9	2733.5	3066.4	3398.6	3518.0	3386.8	3190.5	3146.5
27.5°	2009.5	2015.8	2110.8	2304.7	2616.5	3031.9	3473.2	3671.1	3542.3	3273.8	3218.0
30°	1876.8	1891.7	1975.7	2167.3	2482.2	2964.4	3537.6	3845.4	3709.6	3360.9	3289.5
32.5°	1736.2	1754.3	1845.4	2039.3	2347.9	2863.1	3576.9	4036.2	3942.8	3502.3	3426.1
35°	1601.1	1612.9	1704.8	1893.3	2216.8	2745.3	3583.9	4251.4	4243.5	3716.6	3615.3
37.5°	1462.9	1480.2	1572.9	1753.5	2077.8	2620.4	3548.6	4479.9	4606.3	4014.3	3905.1
40°	1330.2	1345.2	1436.2	1618.4	1920.0	2468.1	3464.6	4688.8	5029.6	4320.5	4165.8
42.5°	1185.7	1189.7	1289.4	1474.7	1765.3	2291.4	3343.6	4874.9	5501.5	4731.2	4538.8
45°	1021.6	1031.8	1124.5	1306.7	1587.8	2093.5	3179.5	5028.8	6099.9	5300.5	5038.2
47.5°	857.5	866.1	951.0	1130.8	1393.8	1866.6	2926.7	5163.9	6714.0	6023.7	5679.8
50°	697.3	702.0	771.1	930.5	1175.5	1627.8	2613.3	5207.1	7408.1	7047.7	6608.8
52.5°	551.3	558.3	610.9	735.8	942.3	1345.9	2274.9	5100.3	8218.5	8261.7	7642.9
55°	446.8	449.2	488.4	580.3	736.6	1050.7	1866.6	4802.7	9090.2	9817.3	9028.1
57.5°	384.8	386.3	408.3	459.4	567.0	792.3	1448.0	4239.6	9873.1	11639.9	10625.4
60°	349.4	350.2	362.8	392.6	449.2	607.8	1037.3	3444.9	10645.8	13668.2	12610.5
62.5°	327.5	327.5	336.1	352.6	380.1	466.4	751.5	2485.4	11175.0	15726.4	15057.4
65°	306.3	306.3	312.5	324.3	339.2	381.6	555.2	1620.8	11161.7	17225.5	17518.4
67.5°	281.9	281.9	286.6	298.4	307.0	328.2	428.8	1061.7	10026.2	17192.5	18861.2
70°	252.9	252.9	259.1	269.3	276.4	289.8	338.4	726.4	7365.7	14679.7	16774.0
72.5°	223.8	224.6	228.5	238.7	244.2	252.1	281.1	508.8	4518.4	9995.6	11728.7
75°	191.6	193.2	197.1	207.3	212.0	215.2	237.1	362.8	2285.9	5389.2	6136.0
77.5°	154.7	157.8	160.2	171.2	174.3	179.0	195.5	262.3	1003.6	1936.5	1953.7
80°	113.1	117.0	124.1	134.3	136.6	139.8	149.2	186.1	454.7	884.2	960.4
82.5°	83.2	88.7	80.1	93.4	93.4	89.5	105.2	124.9	208.9	875.6	1047.5
85°	45.5	46.3	41.6	47.9	51.0	50.3	55.8	61.3	101.3	584.2	602.3
87.5°	11.0	11.8	12.6	14.9	18.1	18.1	19.6	17.3	33.0	189.2	108.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)