

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: P453207

Luminaire Tested: **GLAN-SA4B-727-U-5NQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P453207
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4B-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19646 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

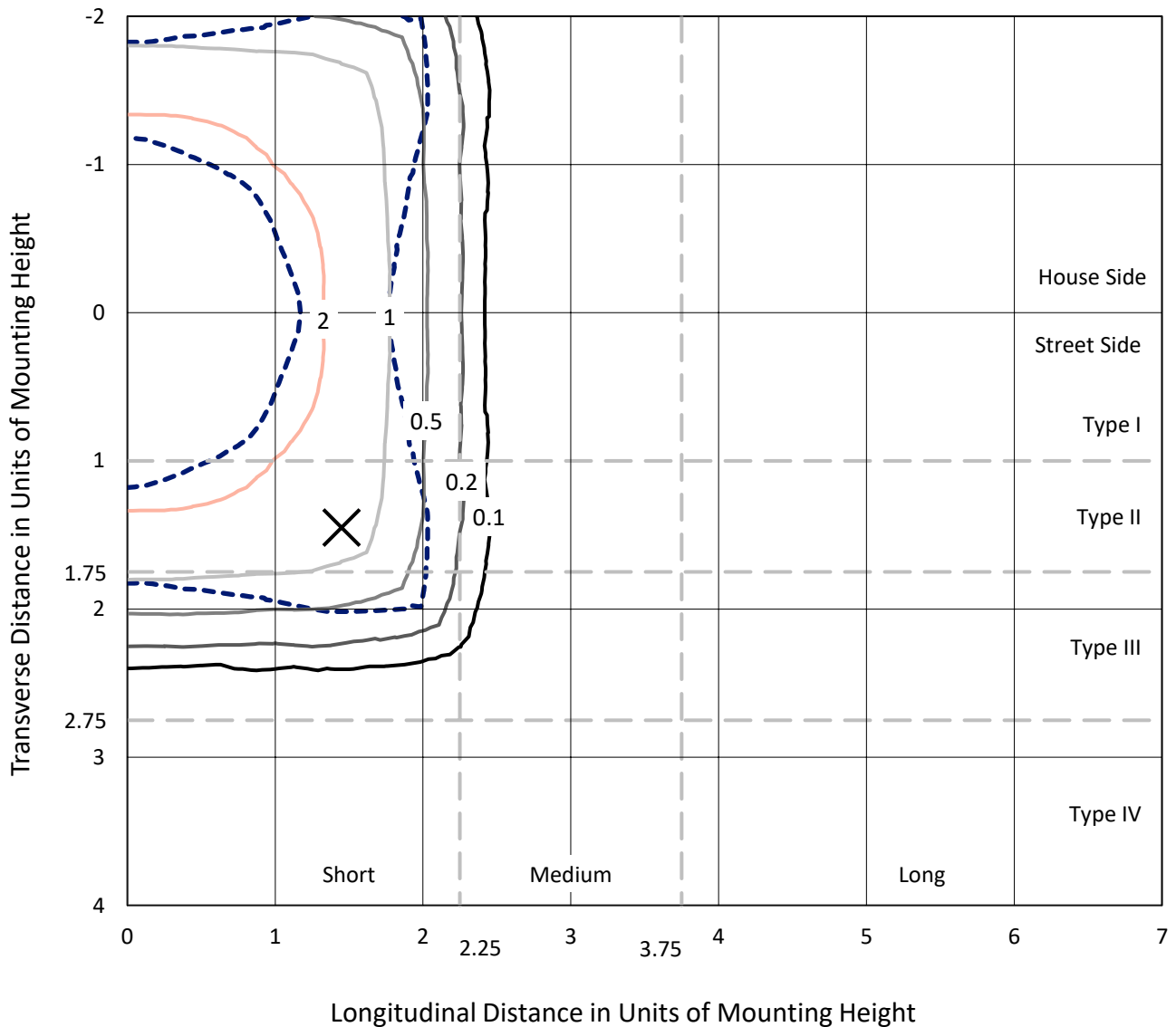
Input Watts (W): 164
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P453207
 CATALOG NUMBER: GLAN-SA4B-727-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

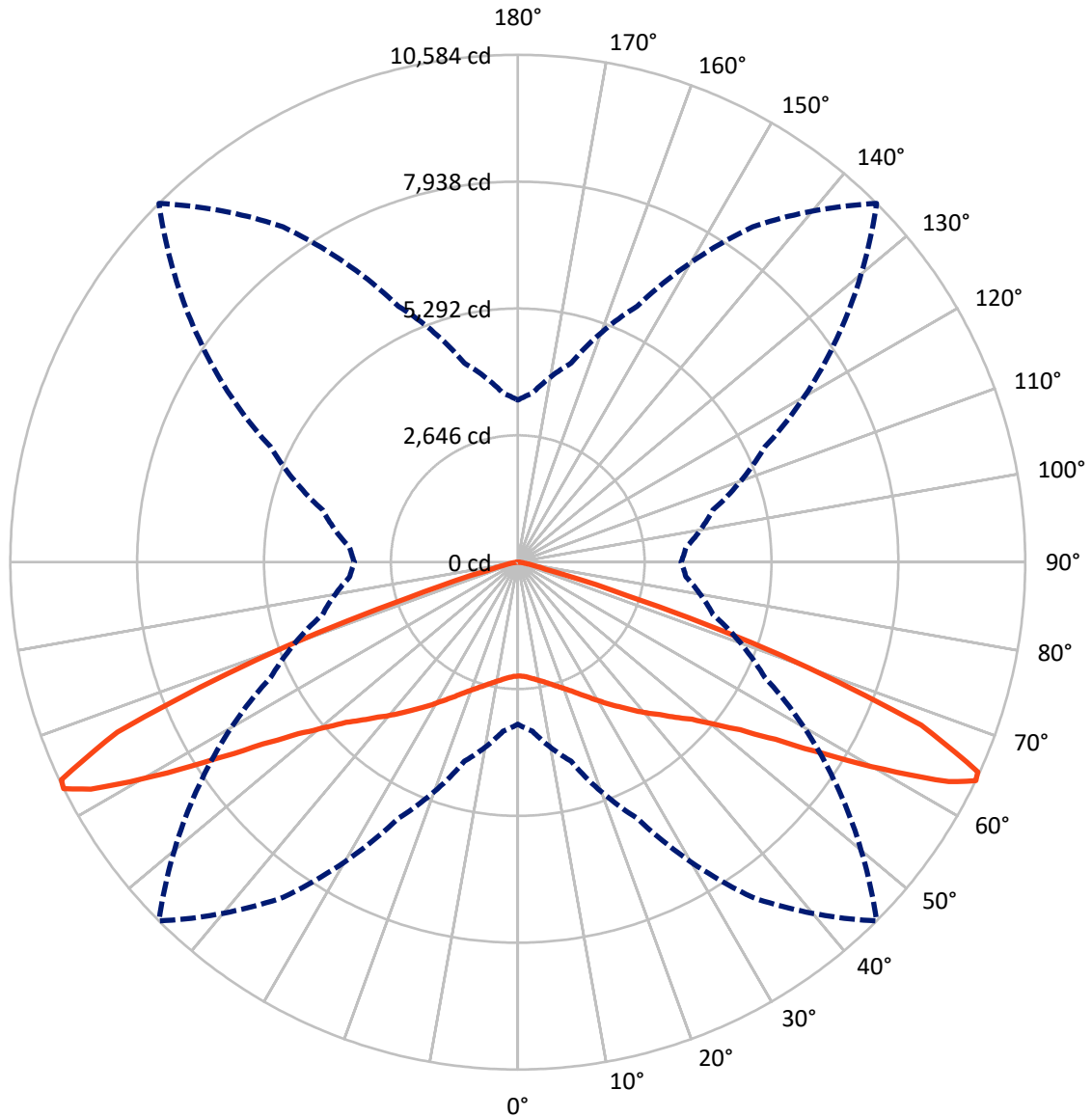
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type V - Short - N/A

REPORT NUMBER: P453207
CATALOG NUMBER: GLAN-SA4B-727-U-5NQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

REPORT NUMBER: P453207

CATALOG NUMBER: GLAN-SA4B-727-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9823.0	0.0	9823.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9823.0	0.0	9823.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19646.0	0.0	19646.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.3	1.2
10°-20°	752.5	3.8
20°-30°	1422.0	7.2
30°-40°	2355.0	12.0
40°-50°	3676.5	18.7
50°-60°	5683.8	28.9
60°-70°	4901.0	24.9
70°-80°	555.4	2.8
80°-90°	66.5	0.3
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°	19646.0	100.0
0°-180°	19646.0	100.0

Coefficient of Utilization



REPORT NUMBER: P453207

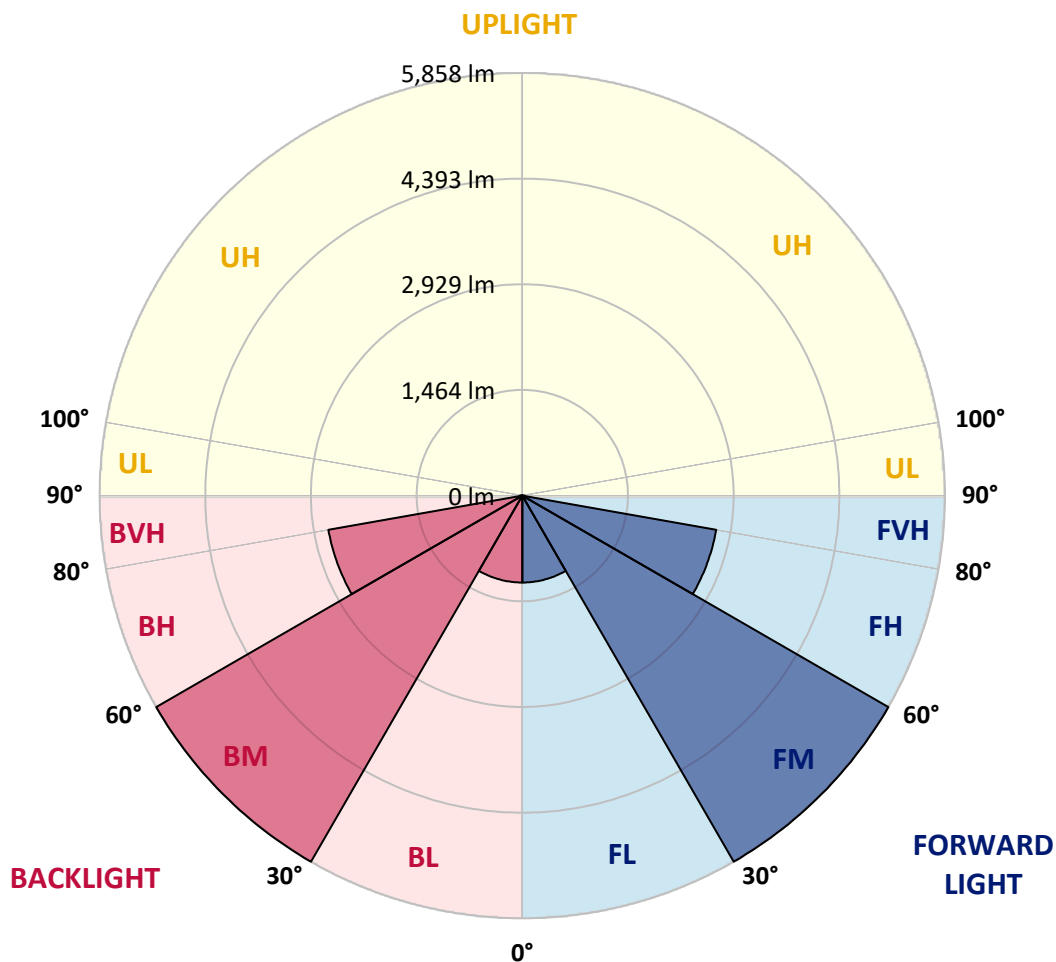
CATALOG NUMBER: GLAN-SA4B-727-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1203.9	6.1			
FM	(30°-60°)	5857.6	29.8			
FH	(60°-80°)	2728.2	13.9			G2/5000
FVH	(80°-90°)	33.3	0.2			G1/100
BL	(0°-30°)	1203.9	6.1	B3/2500		
BM	(30°-60°)	5857.6	29.8	B4/8500		
BH	(60°-80°)	2728.2	13.9	B4/5000		G2/5000
BVH	(80°-90°)	33.3	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





REPORT NUMBER: P453207

CATALOG NUMBER: GLAN-SA4B-727-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2374.5	2374.5	2374.5	2374.5	2374.5	2374.5	2374.5	2374.5	2374.5	2374.5	2374.5
2.5°	2383.9	2389.1	2385.0	2383.9	2382.9	2382.9	2382.9	2383.9	2388.1	2391.2	2389.1
5°	2414.1	2418.3	2416.2	2415.1	2414.1	2415.1	2413.1	2412.0	2415.1	2415.1	2414.1
7.5°	2451.6	2456.8	2454.7	2456.8	2457.8	2458.8	2453.6	2449.5	2448.4	2451.6	2449.5
10°	2502.5	2506.7	2507.7	2508.8	2510.9	2509.8	2503.6	2496.3	2495.3	2494.2	2493.2
12.5°	2559.8	2562.9	2563.9	2568.1	2571.2	2572.3	2565.0	2558.7	2548.3	2550.4	2546.2
15°	2624.3	2630.5	2629.5	2635.7	2644.1	2646.1	2638.9	2628.4	2619.1	2613.9	2610.8
17.5°	2703.4	2707.5	2705.4	2711.7	2722.1	2727.3	2721.1	2707.5	2698.2	2686.7	2680.5
20°	2797.0	2804.3	2806.4	2806.4	2815.7	2820.9	2811.6	2807.4	2792.9	2784.5	2779.3
22.5°	2903.2	2906.3	2912.5	2918.8	2928.1	2926.0	2922.9	2916.7	2903.2	2895.9	2887.5
25°	3022.8	3025.9	3041.5	3055.1	3058.2	3056.1	3052.0	3048.8	3036.3	3019.7	3013.5
27.5°	3162.3	3168.5	3189.3	3201.8	3201.8	3202.8	3194.5	3204.9	3177.9	3158.1	3156.0
30°	3337.1	3341.2	3358.9	3371.4	3365.2	3360.0	3357.9	3368.3	3339.1	3303.8	3295.4
32.5°	3509.8	3524.4	3540.0	3567.0	3545.2	3535.8	3533.7	3541.0	3507.7	3468.2	3456.7
35°	3695.0	3705.4	3734.6	3757.4	3737.7	3715.8	3725.2	3748.1	3708.5	3655.5	3653.4
37.5°	3900.0	3909.4	3946.8	3970.8	3956.2	3918.7	3934.3	3961.4	3921.9	3856.3	3842.8
40°	4113.3	4133.1	4179.9	4204.9	4181.0	4131.0	4160.1	4189.3	4153.9	4077.9	4047.8
42.5°	4352.6	4383.9	4451.5	4464.0	4418.2	4350.6	4401.6	4448.4	4423.4	4336.0	4324.6
45°	4632.6	4651.3	4734.5	4761.6	4698.1	4613.8	4677.3	4762.6	4743.9	4643.0	4621.1
47.5°	4945.8	4963.5	5049.8	5090.4	5010.3	4896.9	5011.3	5122.7	5111.2	5003.0	4992.6
50°	5316.2	5320.4	5440.0	5485.8	5405.7	5307.9	5409.9	5548.2	5502.5	5364.1	5362.0
52.5°	5722.0	5727.2	5878.1	5966.5	5921.8	5811.5	5932.2	6016.5	5900.0	5718.9	5705.4
55°	6073.7	6099.7	6305.8	6540.9	6602.3	6522.2	6558.6	6519.1	6231.9	5978.0	5938.5
57.5°	6217.3	6268.3	6581.5	7020.6	7420.2	7538.8	7257.9	6881.2	6364.0	6005.1	5966.5
60°	5866.7	5921.8	6407.7	7241.2	8261.0	8776.1	7986.3	6942.6	6063.3	5558.7	5498.3
62.5°	4698.1	4713.7	5428.6	6722.0	8751.1	10085.1	8293.2	6419.2	5188.2	4502.5	4478.6
64°	3380.8	3541.0	4298.5	5893.7	8536.7	10583.5	8116.3	5685.6	4214.3	3520.2	3407.8
65°	2528.6	2572.3	3465.1	5033.2	8159.0	10546.0	7773.0	4984.3	3490.0	2694.0	2569.1
67.5°	955.2	960.4	1278.8	2508.8	5808.4	9073.7	5932.2	2711.7	1470.3	1063.4	1024.9
70°	396.5	403.7	469.3	843.9	2496.3	5826.1	2860.5	978.1	538.0	436.0	429.7
72.5°	290.3	294.5	314.2	374.6	767.9	2392.2	940.7	415.2	315.3	282.0	278.9
75°	227.9	230.0	244.5	275.7	358.0	662.8	391.2	285.1	240.4	216.4	214.4
77.5°	173.8	179.0	189.4	210.2	240.4	314.2	259.1	213.3	185.2	165.4	162.3
80°	119.7	125.9	145.7	154.0	161.3	203.9	176.9	161.3	144.6	120.7	113.4
82.5°	73.9	78.0	97.8	105.1	102.0	114.5	113.4	115.5	103.0	74.9	69.7
85°	38.5	40.6	53.1	55.1	51.0	46.8	58.3	67.6	63.5	42.7	41.6
87.5°	8.3	9.4	11.4	10.4	11.4	11.4	14.6	21.9	22.9	14.6	13.5
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)