

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: P316717

Luminaire Tested: **GAN-SA3B-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316717
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3B-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 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: 15049 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 124
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



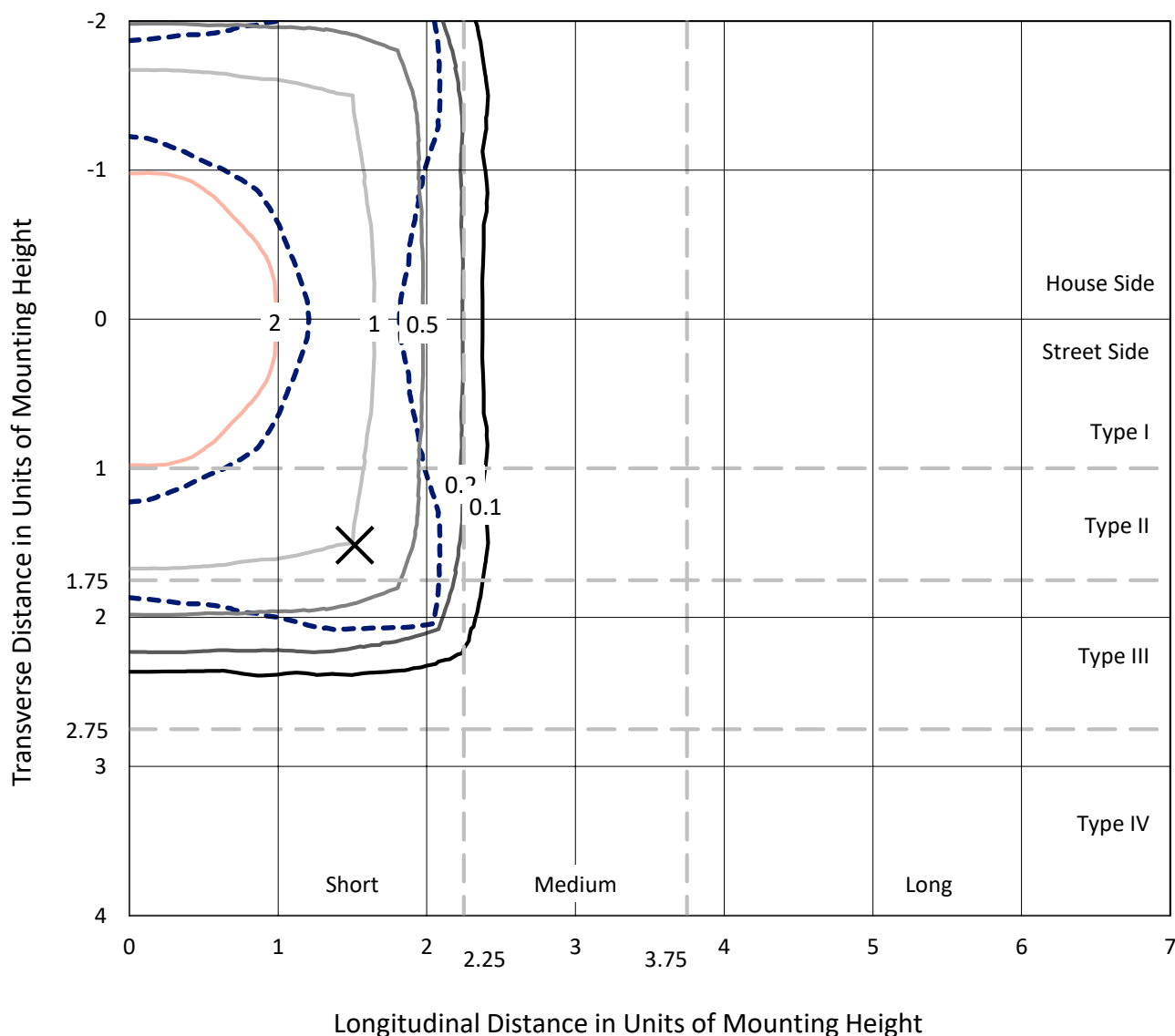
REPORT NUMBER: P316717

CATALOG NUMBER: GAN-SA3B-727-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

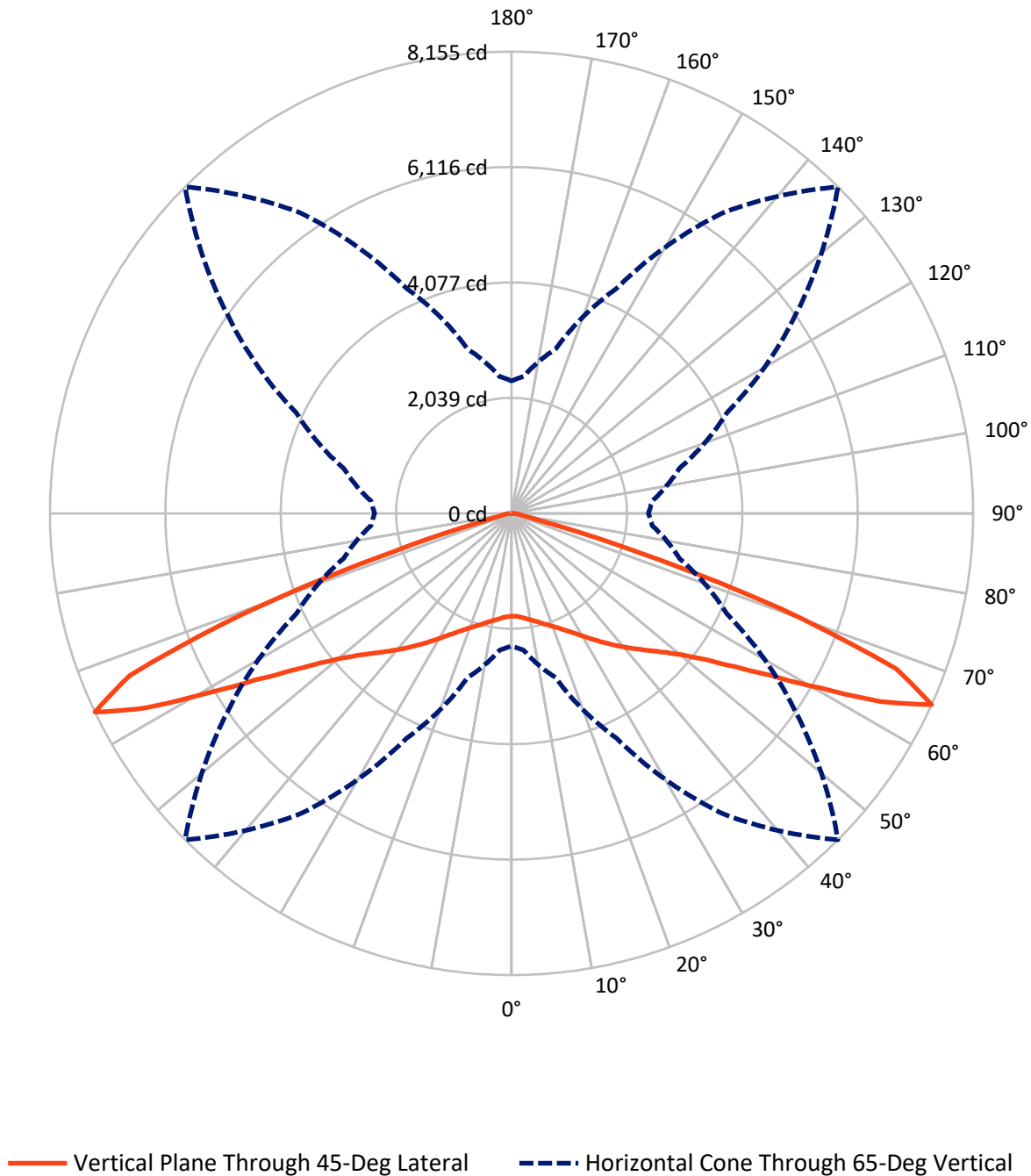
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - N/A

REPORT NUMBER: P316717
CATALOG NUMBER: GAN-SA3B-727-U-5NQ

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7524.5	0.0	7524.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7524.5	0.0	7524.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15049.0	0.0	15049.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.3	1.2
10°-20°	573.1	3.8
20°-30°	1075.3	7.1
30°-40°	1778.3	11.8
40°-50°	2754.4	18.3
50°-60°	4224.4	28.1
60°-70°	3941.9	26.2
70°-80°	458.8	3.0
80°-90°	64.5	0.4
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°	15049.0	100.0
0°-180°	15049.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316717

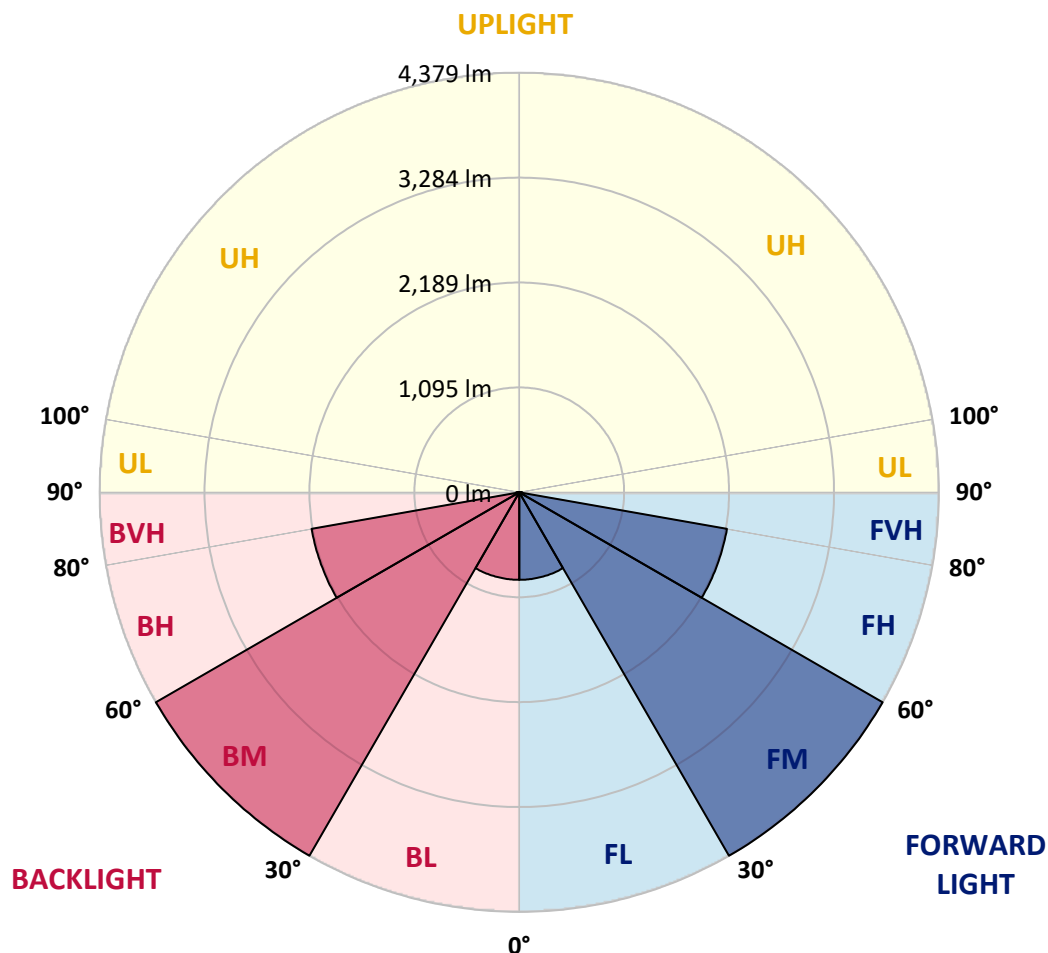
CATALOG NUMBER: GAN-SA3B-727-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	913.4	6.1			
FM	(30°-60°)	4378.6	29.1			
FH	(60°-80°)	2200.3	14.6			G2/5000
FVH	(80°-90°)	32.2	0.2			G1/100
BL	(0°-30°)	913.4	6.1	B2/1000		
BM	(30°-60°)	4378.6	29.1	B3/5000		
BH	(60°-80°)	2200.3	14.6	B3/2500		G2/5000
BVH	(80°-90°)	32.2	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





REPORT NUMBER: P316717

CATALOG NUMBER: GAN-SA3B-727-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1817.4	1817.4	1817.4	1817.4	1817.4	1817.4	1817.4	1817.4	1817.4	1817.4	1817.4
2.5°	1823.4	1822.4	1823.4	1823.9	1820.9	1822.4	1821.9	1824.4	1825.4	1824.4	1824.4
5°	1844.3	1842.8	1844.8	1847.3	1843.3	1844.3	1842.8	1845.8	1846.8	1844.8	1846.3
7.5°	1873.3	1873.8	1875.8	1880.3	1877.8	1879.8	1876.8	1877.3	1876.8	1873.8	1874.3
10°	1904.8	1905.3	1908.8	1914.8	1915.8	1915.8	1913.8	1912.3	1910.3	1908.3	1908.8
12.5°	1942.7	1945.2	1947.7	1955.2	1955.2	1959.2	1958.2	1954.2	1950.7	1947.7	1947.7
15°	1994.2	1993.7	1996.7	2004.2	2007.7	2014.2	2014.2	2008.7	2004.2	2001.2	2000.2
17.5°	2048.1	2049.6	2051.6	2060.6	2066.1	2073.6	2074.6	2070.1	2067.1	2063.1	2060.6
20°	2111.1	2113.6	2121.6	2125.1	2130.1	2137.1	2139.6	2138.6	2135.6	2133.6	2134.1
22.5°	2184.5	2191.0	2196.0	2201.0	2207.0	2212.0	2214.5	2218.0	2215.0	2213.5	2212.5
25°	2273.4	2277.9	2287.9	2296.9	2300.9	2302.4	2305.4	2310.4	2309.9	2306.4	2306.4
27.5°	2374.4	2382.8	2395.3	2408.3	2408.3	2403.3	2413.3	2421.8	2418.8	2414.3	2408.3
30°	2496.7	2504.7	2519.2	2537.2	2528.2	2524.7	2538.2	2553.7	2549.2	2541.7	2540.7
32.5°	2628.6	2636.1	2655.1	2674.6	2663.1	2658.1	2672.6	2695.1	2687.1	2672.1	2663.1
35°	2771.5	2779.0	2806.0	2829.4	2810.0	2801.5	2813.5	2837.9	2823.9	2796.0	2789.0
37.5°	2926.9	2930.9	2965.8	2989.8	2976.3	2953.8	2968.8	2986.8	2974.8	2940.8	2927.4
40°	3088.2	3102.7	3143.2	3171.1	3147.7	3112.2	3137.2	3162.1	3144.2	3100.7	3077.7
42.5°	3276.5	3287.5	3341.5	3366.5	3328.5	3278.5	3312.5	3346.5	3328.5	3286.5	3266.5
45°	3472.4	3489.3	3553.8	3578.8	3523.8	3460.4	3501.8	3561.3	3559.8	3499.3	3478.4
47.5°	3685.7	3702.7	3779.6	3812.6	3753.1	3668.2	3726.6	3810.6	3804.6	3738.1	3721.1
50°	3931.9	3949.9	4045.8	4087.3	4031.9	3932.9	4020.9	4094.8	4083.8	4001.9	4003.4
52.5°	4241.2	4240.2	4359.6	4431.5	4374.5	4287.1	4368.1	4440.0	4394.5	4281.1	4277.6
55°	4511.9	4528.4	4676.3	4812.6	4809.2	4775.7	4808.2	4811.2	4681.3	4530.4	4511.9
57.5°	4689.8	4721.2	4929.5	5176.3	5361.2	5405.6	5342.7	5151.8	4847.6	4606.3	4576.9
60°	4580.4	4628.3	4955.5	5458.6	6003.1	6264.3	5909.2	5317.2	4718.2	4382.0	4342.1
62.5°	3842.0	3923.0	4402.0	5322.2	6555.6	7319.4	6319.8	5051.9	4203.7	3740.6	3672.2
65°	2339.9	2425.3	3002.8	4380.5	6466.2	8154.6	6132.5	4193.2	3068.2	2492.2	2418.3
67.5°	779.8	804.8	1145.0	2421.3	5081.9	7326.9	5090.4	2510.2	1335.3	885.2	859.2
70°	305.2	307.7	363.2	701.9	2399.8	5032.5	2648.1	714.4	379.7	300.2	306.7
72.5°	224.3	225.3	240.8	293.2	625.4	2217.0	647.9	294.7	234.3	210.3	210.3
75°	180.3	180.3	191.3	213.8	280.2	508.5	284.2	211.3	183.3	167.8	165.9
77.5°	142.4	145.4	153.9	168.3	189.8	244.8	196.8	167.3	147.9	133.4	130.4
80°	105.9	108.9	122.9	129.9	136.4	169.8	145.4	130.9	116.9	99.9	96.9
82.5°	69.4	72.4	89.9	93.9	92.4	110.9	97.9	96.4	85.9	64.4	61.4
85°	45.5	46.5	59.9	62.4	57.4	50.5	62.4	65.9	59.9	42.0	40.5
87.5°	21.5	21.5	30.5	28.5	26.0	21.0	28.5	33.5	34.0	20.5	20.0
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)