

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: P316776

Luminaire Tested: **GAN-SA2D-730-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316776
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-SA2D-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14914 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

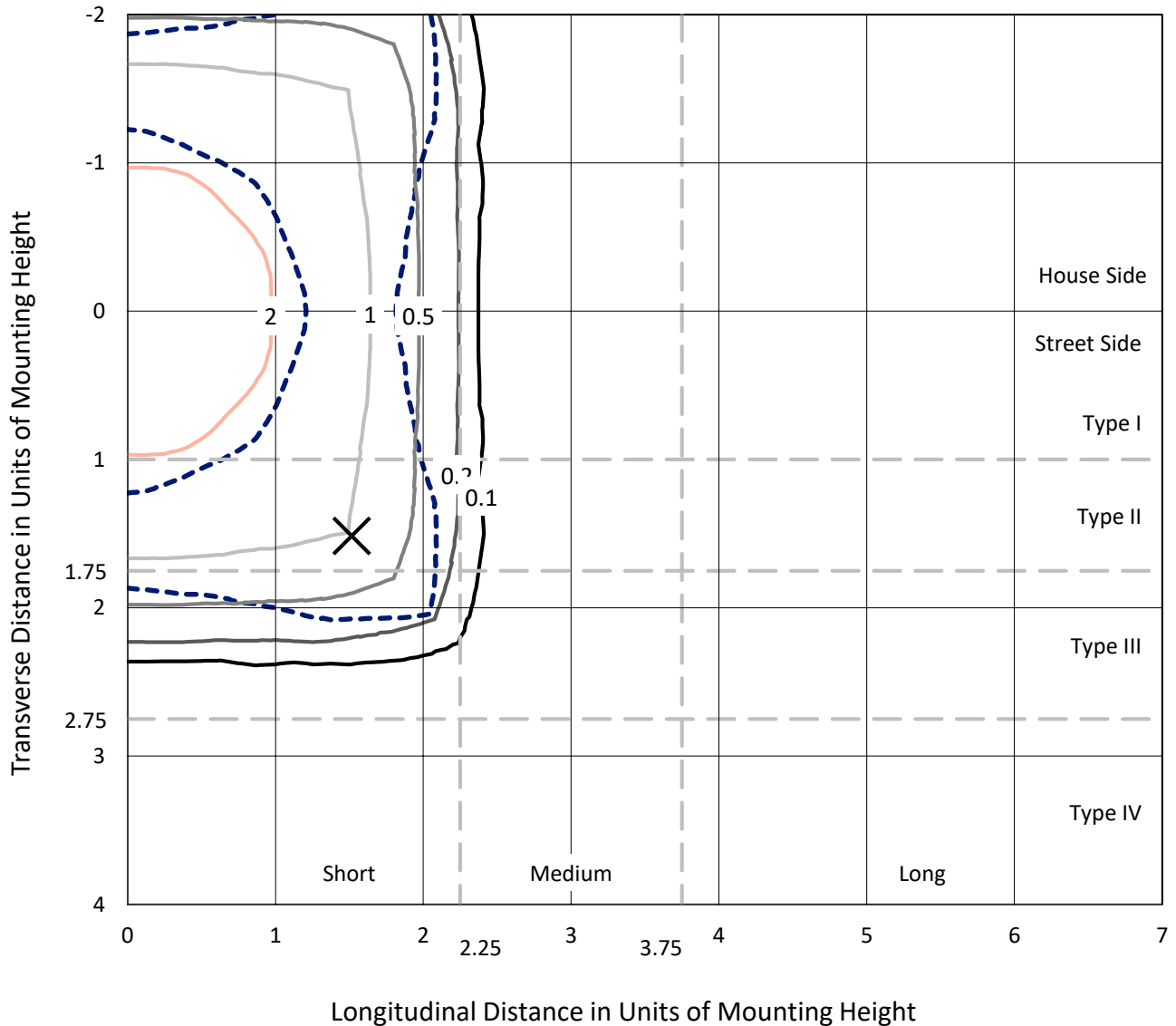
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

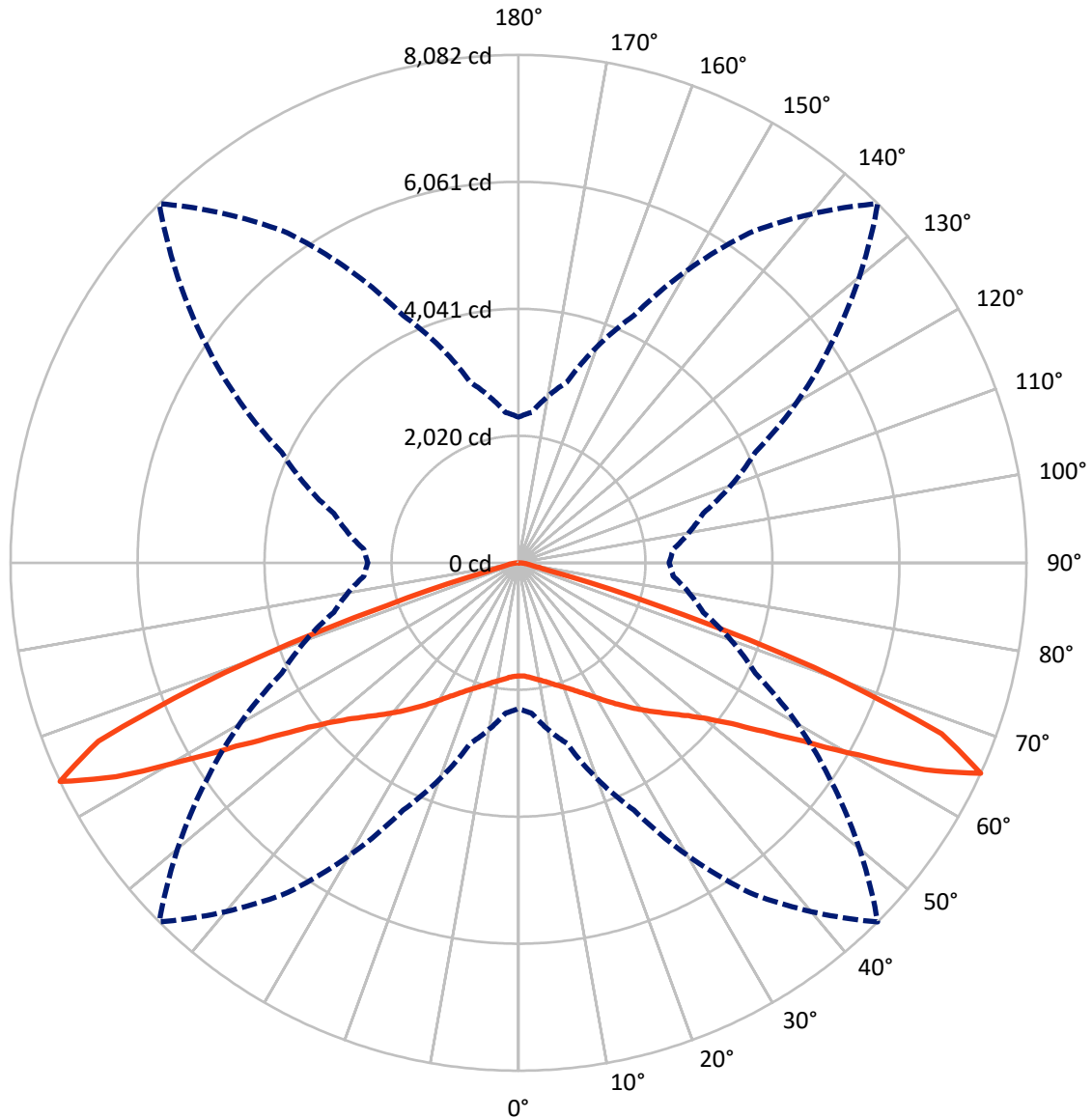
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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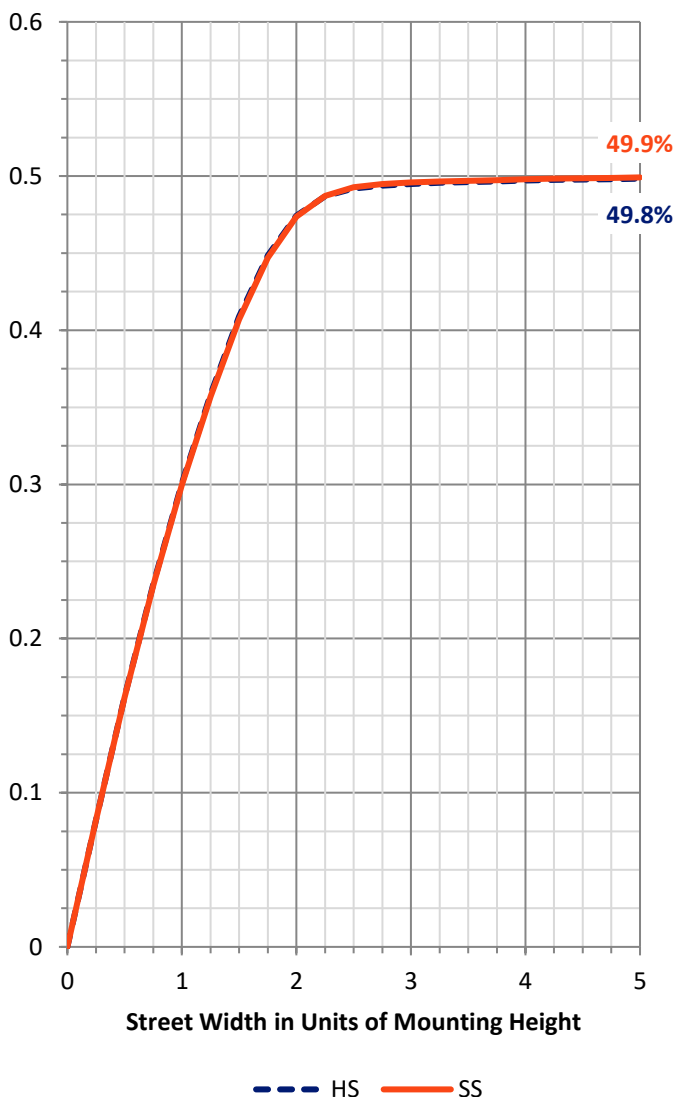
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7457.0	0.0	7457.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7457.0	0.0	7457.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14914.0	0.0	14914.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.7	1.2
10°-20°	568.0	3.8
20°-30°	1065.6	7.1
30°-40°	1762.4	11.8
40°-50°	2729.7	18.3
50°-60°	4186.5	28.1
60°-70°	3906.5	26.2
70°-80°	454.7	3.0
80°-90°	63.9	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°	14914.0	100.0
0°-180°	14914.0	100.0

Coefficient of Utilization



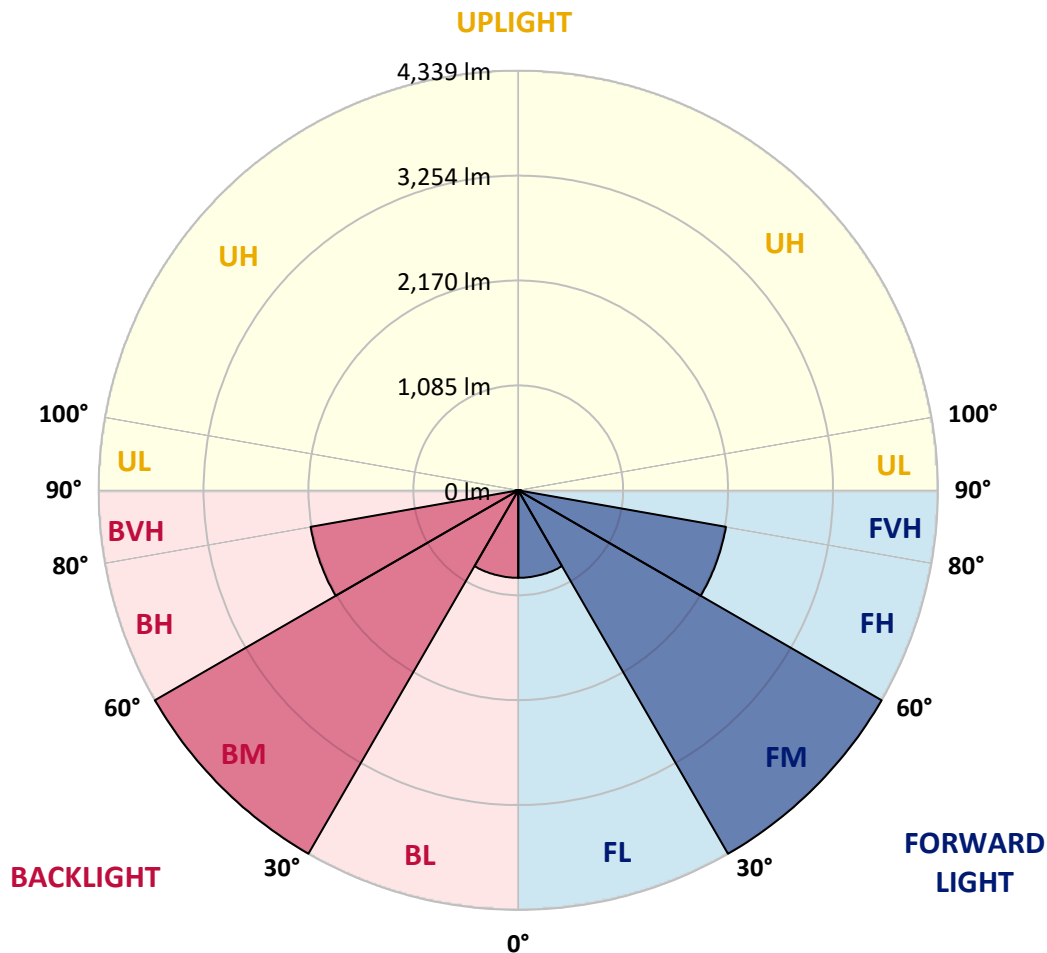
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	905.2	6.1			
FM (30°-60°)	4339.3	29.1			
FH (60°-80°)	2180.6	14.6			G2/5000
FVH (80°-90°)	31.9	0.2			G1/100
BL (0°-30°)	905.2	6.1	B2/1000		
BM (30°-60°)	4339.3	29.1	B3/5000		
BH (60°-80°)	2180.6	14.6	B3/2500		G2/5000
BVH (80°-90°)	31.9	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1801.1	1801.1	1801.1	1801.1	1801.1	1801.1	1801.1	1801.1	1801.1	1801.1	1801.1
2.5°	1807.0	1806.0	1807.0	1807.5	1804.5	1806.0	1805.5	1808.0	1809.0	1808.0	1808.0
5°	1827.8	1826.3	1828.3	1830.8	1826.8	1827.8	1826.3	1829.3	1830.3	1828.3	1829.8
7.5°	1856.5	1857.0	1859.0	1863.4	1861.0	1862.9	1860.0	1860.5	1860.0	1857.0	1857.5
10°	1887.7	1888.2	1891.7	1897.6	1898.6	1898.6	1896.6	1895.1	1893.1	1891.2	1891.7
12.5°	1925.3	1927.8	1930.3	1937.7	1937.7	1941.7	1940.7	1936.7	1933.2	1930.3	1930.3
15°	1976.3	1975.8	1978.8	1986.2	1989.7	1996.1	1996.1	1990.7	1986.2	1983.2	1982.2
17.5°	2029.8	2031.3	2033.2	2042.2	2047.6	2055.0	2056.0	2051.6	2048.6	2044.6	2042.2
20°	2092.2	2094.6	2102.6	2106.0	2111.0	2117.9	2120.4	2119.4	2116.4	2114.4	2114.9
22.5°	2164.9	2171.4	2176.3	2181.3	2187.2	2192.2	2194.6	2198.1	2195.1	2193.6	2192.7
25°	2253.1	2257.5	2267.4	2276.3	2280.3	2281.8	2284.7	2289.7	2289.2	2285.7	2285.7
27.5°	2353.1	2361.5	2373.8	2386.7	2386.7	2381.8	2391.7	2400.1	2397.1	2392.7	2386.7
30°	2474.3	2482.3	2496.6	2514.4	2505.5	2502.1	2515.4	2530.8	2526.3	2518.9	2517.9
32.5°	2605.0	2612.5	2631.3	2650.6	2639.2	2634.3	2648.6	2670.9	2663.0	2648.1	2639.2
35°	2746.6	2754.1	2780.8	2804.1	2784.8	2776.3	2788.2	2812.5	2798.6	2770.9	2764.0
37.5°	2900.6	2904.6	2939.2	2963.0	2949.6	2927.3	2942.2	2960.0	2948.1	2914.5	2901.1
40°	3060.5	3074.9	3115.0	3142.7	3119.4	3084.3	3109.0	3133.8	3116.0	3072.9	3050.1
42.5°	3247.1	3258.0	3311.5	3336.3	3298.6	3249.1	3282.8	3316.5	3298.6	3257.0	3237.2
45°	3441.2	3458.0	3521.9	3546.7	3492.2	3429.3	3470.4	3529.3	3527.8	3467.9	3447.2
47.5°	3652.6	3669.4	3745.7	3778.4	3719.4	3635.3	3693.2	3776.4	3770.4	3704.6	3687.8
50°	3896.7	3914.5	4009.5	4050.6	3995.7	3897.7	3984.8	4058.1	4047.2	3966.0	3967.5
52.5°	4203.1	4202.1	4320.5	4391.7	4335.3	4248.7	4328.9	4400.2	4355.1	4242.7	4239.3
55°	4471.4	4487.8	4634.3	4769.5	4766.0	4732.8	4765.0	4768.0	4639.3	4489.8	4471.4
57.5°	4647.7	4678.9	4885.3	5129.9	5313.1	5357.1	5294.7	5105.6	4804.1	4565.0	4535.8
60°	4539.3	4586.8	4911.1	5409.6	5949.2	6208.1	5856.1	5269.5	4675.9	4342.7	4303.1
62.5°	3807.6	3887.8	4362.5	5274.4	6496.8	7253.7	6263.1	5006.6	4166.0	3707.1	3639.2
65°	2318.9	2403.6	2975.8	4341.2	6408.1	8081.5	6077.4	4155.6	3040.7	2469.9	2396.6
67.5°	772.8	797.6	1134.7	2399.6	5036.3	7261.2	5044.7	2487.7	1323.3	877.3	851.5
70°	302.5	305.0	359.9	695.6	2378.3	4987.3	2624.4	707.9	376.3	297.5	304.0
72.5°	222.3	223.3	238.6	290.6	619.8	2197.1	642.1	292.1	232.2	208.4	208.4
75°	178.7	178.7	189.6	211.9	277.7	504.0	281.7	209.4	181.7	166.3	164.4
77.5°	141.1	144.1	152.5	166.8	188.1	242.6	195.1	165.8	146.5	132.2	129.2
80°	105.0	107.9	121.8	128.7	135.2	168.3	144.1	129.7	115.8	99.0	96.0
82.5°	68.8	71.8	89.1	93.1	91.6	109.9	97.0	95.5	85.2	63.9	60.9
85°	45.1	46.0	59.4	61.9	56.9	50.0	61.9	65.3	59.4	41.6	40.1
87.5°	21.3	21.3	30.2	28.2	25.7	20.8	28.2	33.2	33.7	20.3	19.8
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)