

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: P317136

Luminaire Tested: **GAN-SA2D-740-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317136
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2D-740-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16228 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

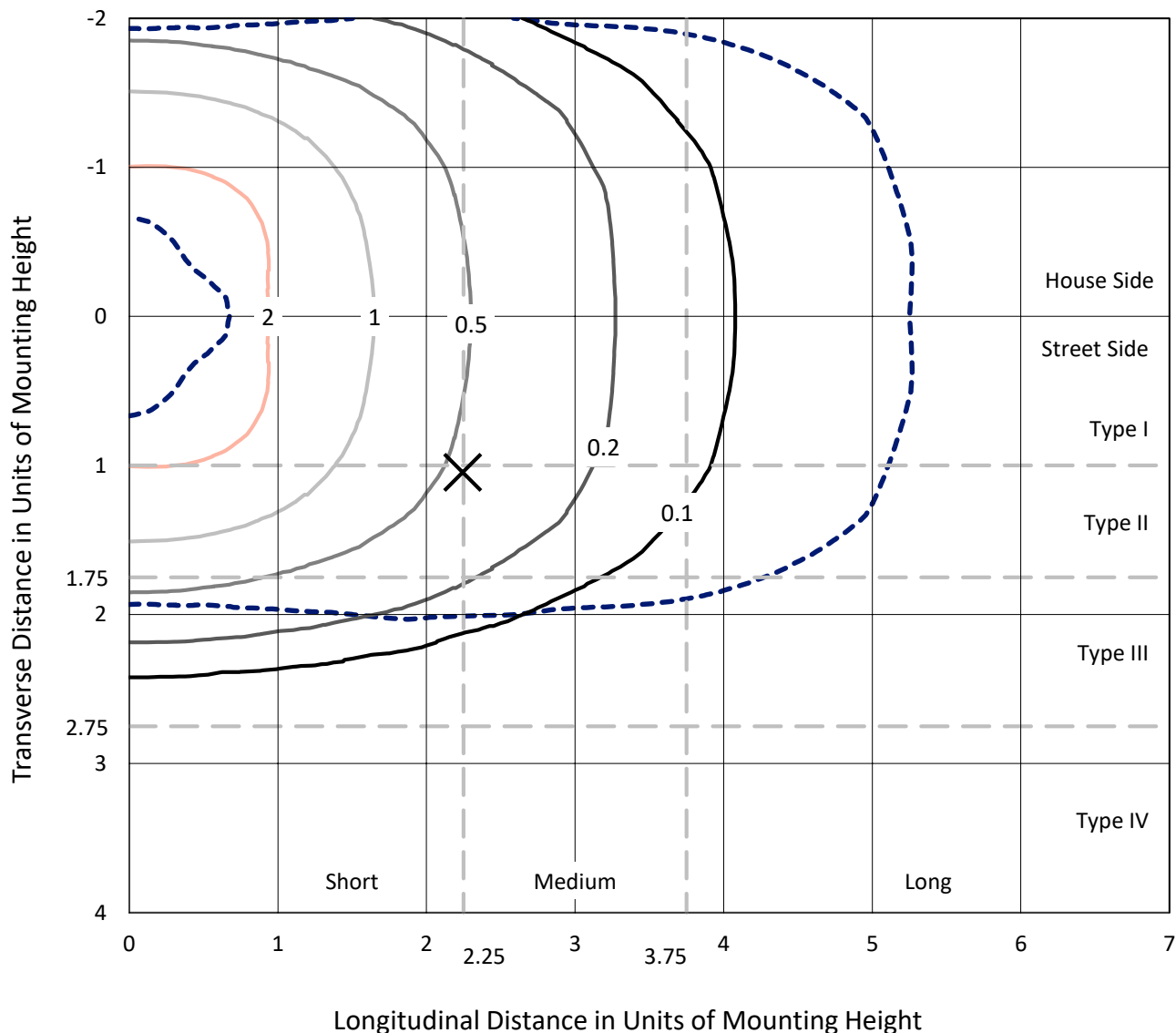
Input Watts (W): 129
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P317136
 CATALOG NUMBER: GAN-SA2D-740-U-RW

Iso-Footcandle Lines of Horizontal Illumination

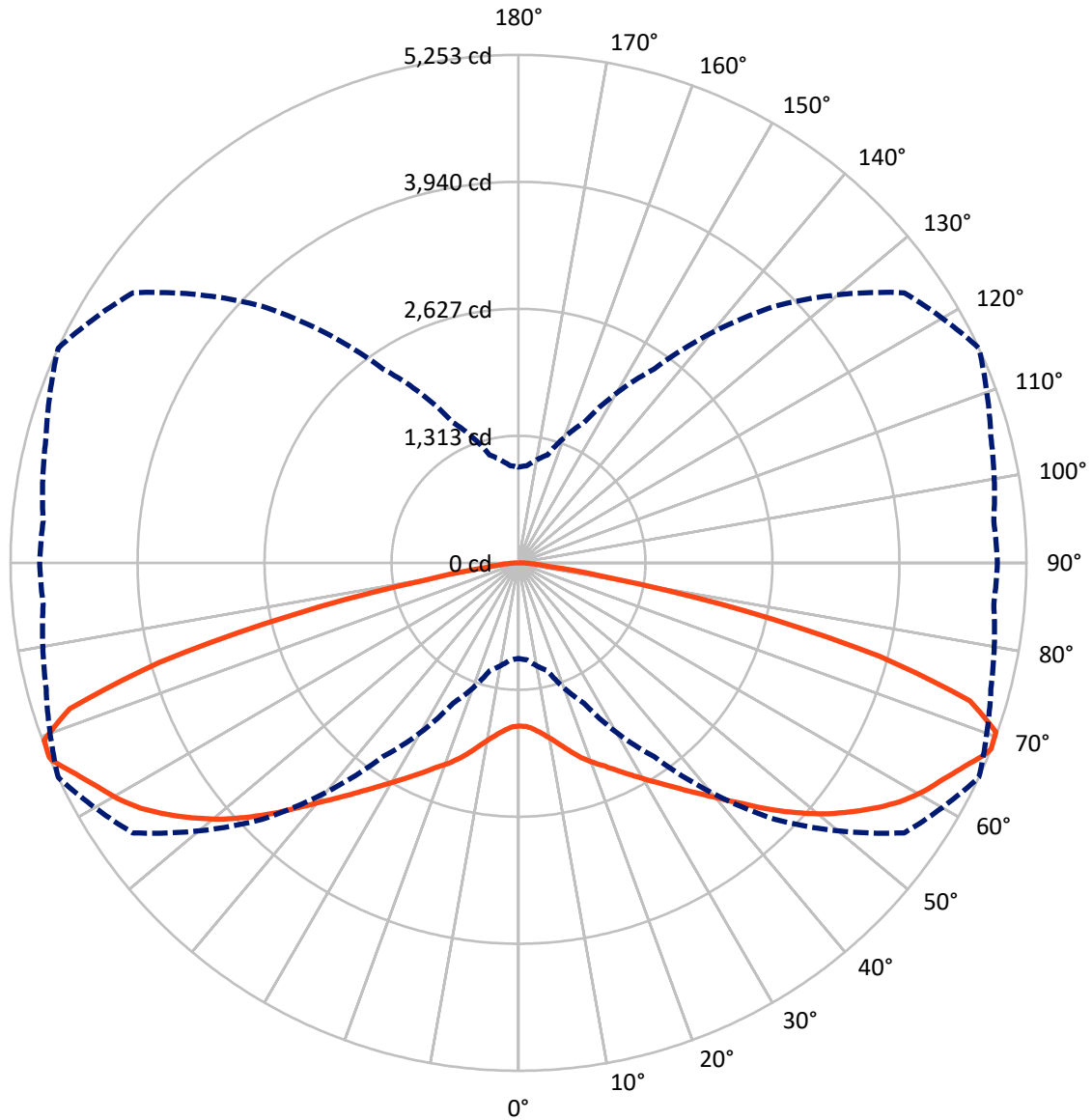
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Short - N/A

REPORT NUMBER: P317136
CATALOG NUMBER: GAN-SA2D-740-U-RW

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

REPORT NUMBER: P317136
 CATALOG NUMBER: GAN-SA2D-740-U-RW

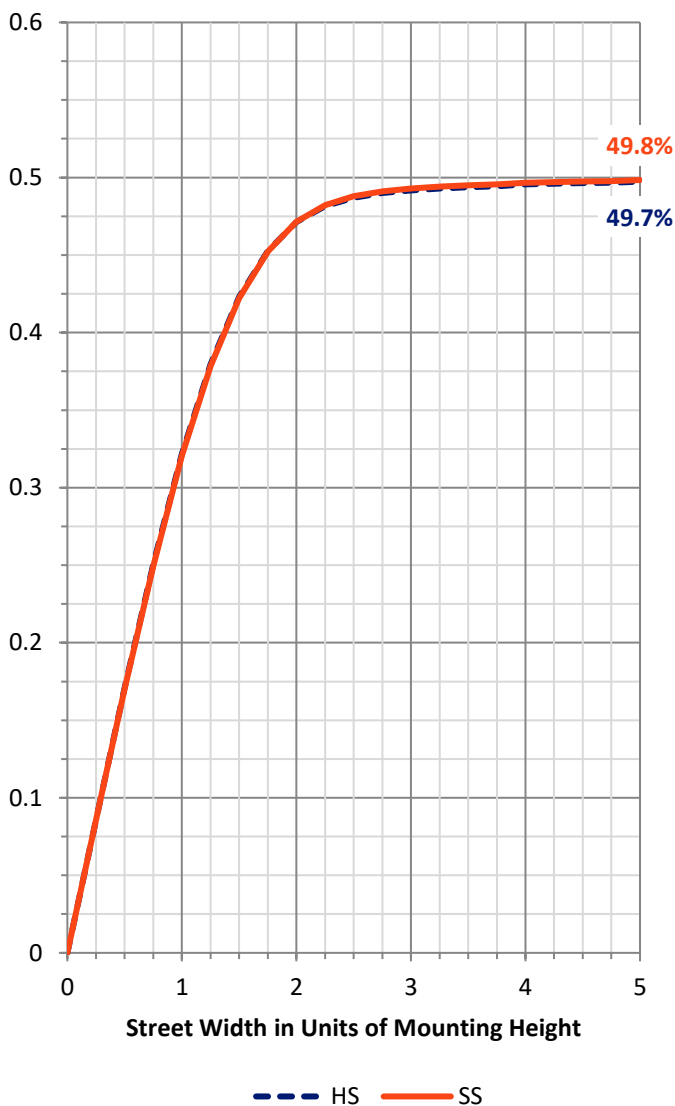
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8114.0	0.0	8114.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8114.0	0.0	8114.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16228.0	0.0	16228.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.2	1.0
10°-20°	553.2	3.4
20°-30°	1078.5	6.6
30°-40°	1811.8	11.2
40°-50°	2854.8	17.6
50°-60°	3817.8	23.5
60°-70°	3711.4	22.9
70°-80°	2028.8	12.5
80°-90°	206.3	1.3
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°	16228.0	100.0
0°-180°	16228.0	100.0

Coefficient of Utilization



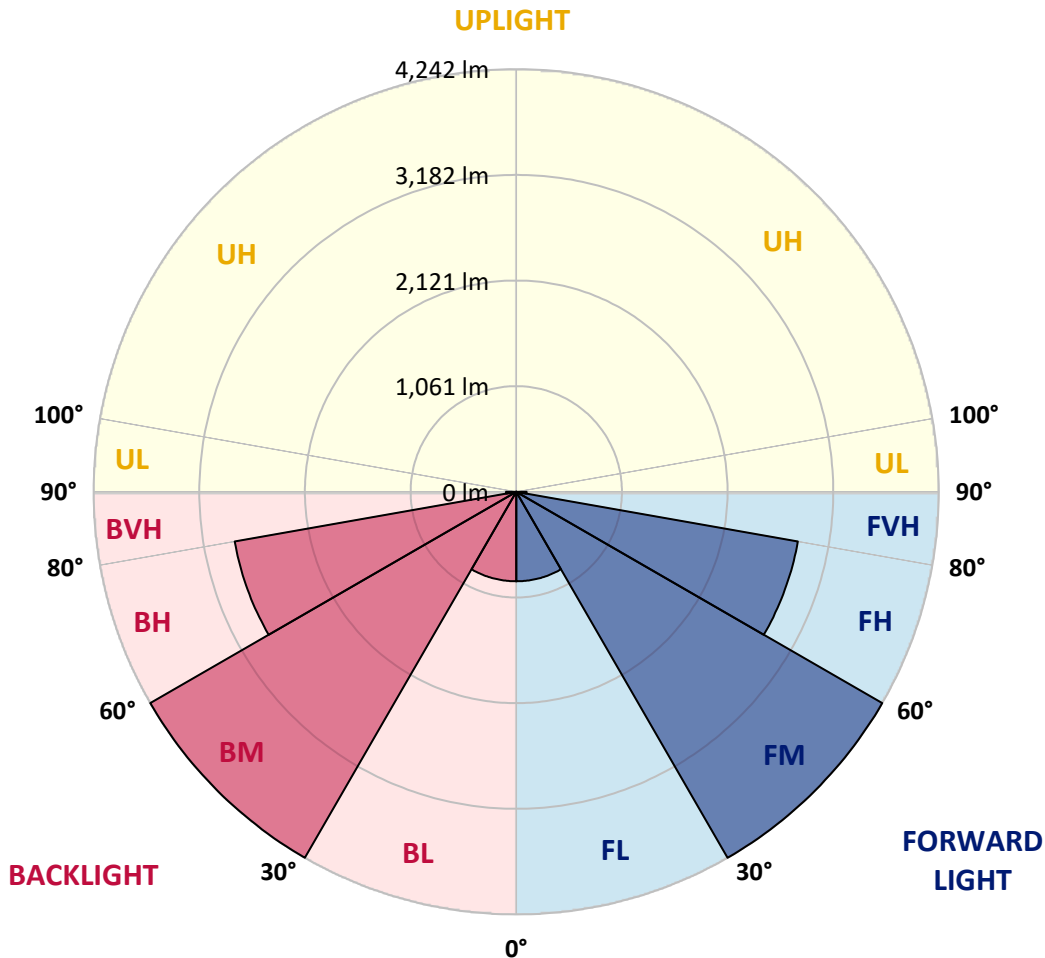
REPORT NUMBER: P317136
 CATALOG NUMBER: GAN-SA2D-740-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	898.4	5.5			
FM (30°-60°)	4242.3	26.1			
FH (60°-80°)	2870.1	17.7			G2/5000
FVH (80°-90°)	103.2	0.6			G2/225
BL (0°-30°)	898.4	5.5	B2/1000		
BM (30°-60°)	4242.3	26.1	B3/5000		
BH (60°-80°)	2870.1	17.7	B4/5000		G4/5000
BVH (80°-90°)	103.2	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short





REPORT NUMBER: P317136
 CATALOG NUMBER: GAN-SA2D-740-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3
2.5°	1675.4	1675.9	1678.6	1681.9	1684.6	1691.7	1693.3	1696.0	1697.1	1699.8	1699.8
5°	1660.7	1661.8	1668.3	1677.0	1686.8	1704.2	1716.7	1730.9	1737.9	1745.6	1745.0
7.5°	1659.0	1661.8	1671.0	1685.2	1701.5	1730.3	1756.4	1784.7	1803.8	1821.2	1820.1
10°	1675.9	1680.3	1693.3	1714.5	1739.0	1774.9	1813.6	1851.7	1884.8	1911.5	1912.6
12.5°	1701.5	1706.9	1727.6	1759.7	1796.7	1842.9	1888.7	1931.6	1977.3	2017.1	2020.3
15°	1735.2	1742.3	1773.3	1821.2	1877.8	1932.7	1981.7	2025.8	2078.6	2133.5	2139.0
17.5°	1785.3	1795.1	1835.9	1900.6	1975.2	2035.6	2086.7	2119.9	2164.0	2220.6	2230.9
20°	1861.4	1874.0	1925.7	2002.9	2093.8	2156.9	2196.1	2203.2	2224.9	2275.5	2287.5
22.5°	1960.5	1971.4	2029.0	2121.0	2222.7	2291.3	2312.0	2283.7	2281.5	2322.3	2333.8
25°	2070.9	2080.7	2147.7	2251.0	2360.4	2436.0	2435.5	2380.5	2342.5	2374.0	2386.0
27.5°	2195.0	2210.2	2274.4	2383.3	2500.3	2574.8	2570.4	2485.6	2413.2	2421.4	2431.7
30°	2337.6	2354.4	2417.0	2527.5	2644.4	2717.4	2711.9	2599.8	2491.0	2469.2	2476.9
32.5°	2514.4	2534.5	2593.8	2702.7	2806.1	2871.9	2856.1	2723.9	2584.6	2537.3	2544.3
35°	2727.2	2739.1	2801.7	2908.9	2992.7	3037.8	3004.7	2867.5	2703.2	2646.1	2646.1
37.5°	2942.6	2951.9	3022.1	3126.0	3207.1	3231.0	3166.3	3024.8	2858.3	2777.2	2778.8
40°	3149.4	3174.4	3253.3	3360.0	3440.0	3446.5	3360.5	3204.3	3030.8	2947.0	2956.8
42.5°	3365.4	3389.9	3484.0	3604.8	3675.6	3686.4	3585.8	3405.7	3225.6	3157.6	3168.4
45°	3558.0	3577.6	3686.4	3826.8	3915.0	3943.3	3824.1	3636.4	3436.1	3369.8	3372.5
47.5°	3692.4	3718.0	3837.7	4003.1	4131.5	4175.1	4058.1	3861.1	3643.5	3562.9	3570.0
50°	3814.3	3827.9	3949.3	4129.9	4293.1	4382.9	4282.8	4083.1	3852.9	3767.5	3775.1
52.5°	3882.3	3899.7	4017.3	4205.5	4398.7	4543.4	4482.5	4282.8	4055.4	3972.1	3981.4
55°	3835.0	3848.0	3989.0	4222.4	4464.0	4642.5	4651.7	4478.1	4254.0	4181.1	4207.2
57.5°	3619.5	3635.8	3807.8	4113.6	4472.2	4709.4	4779.0	4659.3	4439.5	4380.2	4395.4
60°	3282.7	3293.0	3476.4	3820.3	4313.3	4737.1	4860.1	4807.3	4621.2	4561.9	4582.6
62.5°	2682.5	2697.8	2917.1	3377.9	3977.6	4655.0	4938.5	4929.8	4790.5	4736.1	4754.6
65°	1833.7	1860.4	2103.0	2685.8	3460.1	4403.6	5009.8	5072.3	4940.1	4871.5	4896.0
67.5°	1107.3	1126.9	1302.6	1773.3	2647.7	3896.5	4936.3	5234.5	5045.7	4935.2	4955.3
68°	989.8	1007.7	1154.6	1600.3	2449.1	3753.4	4869.4	5253.0	5057.1	4934.1	4952.1
70°	598.0	610.0	708.5	989.2	1632.9	2977.4	4412.8	5237.7	5130.0	4949.4	4959.7
72.5°	389.6	393.4	409.7	507.7	834.1	1665.0	3312.1	4880.8	5239.4	5038.0	5036.4
75°	323.8	321.6	323.2	334.6	411.4	730.2	1935.5	3855.7	4994.5	4898.2	4863.9
77.5°	273.7	272.1	271.5	272.1	275.3	352.6	840.1	2401.8	3821.9	4332.9	4363.3
80°	221.5	219.3	226.4	223.1	213.3	219.3	352.0	999.0	1801.6	1938.2	1816.3
82.5°	161.1	152.9	183.4	174.7	166.5	154.5	194.3	322.7	429.9	294.9	207.3
85°	124.1	115.4	139.3	133.9	114.3	78.9	115.4	157.8	174.1	99.6	78.4
87.5°	50.6	53.3	100.7	79.4	66.9	38.1	47.3	63.1	84.9	42.4	32.6
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)