

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: P316796

Luminaire Tested: **GAN-SA2B-740-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316796
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-SA2B-740-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K, 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: 12061 lumens
Efficiency: N/A
Efficacy: 141.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

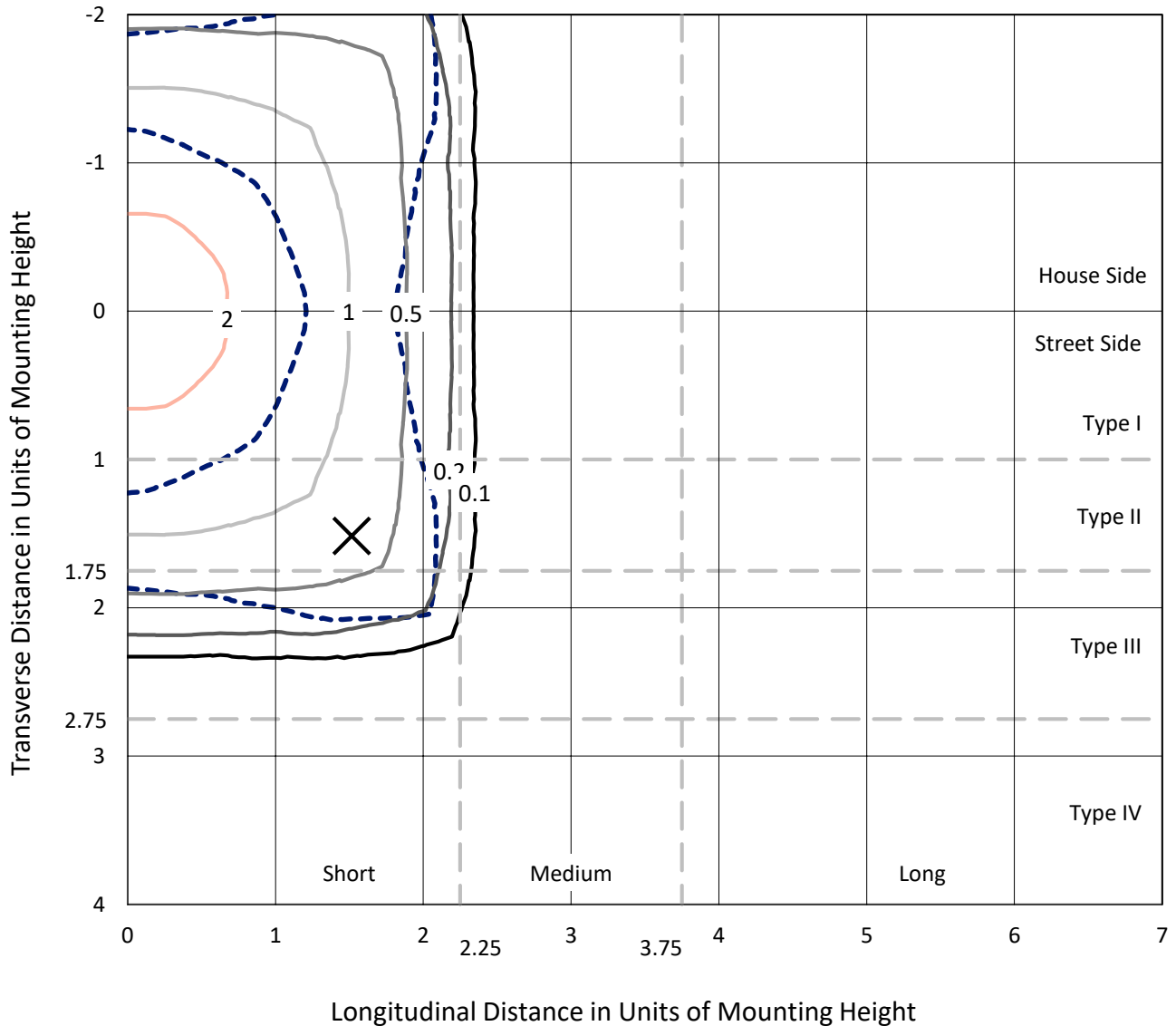
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

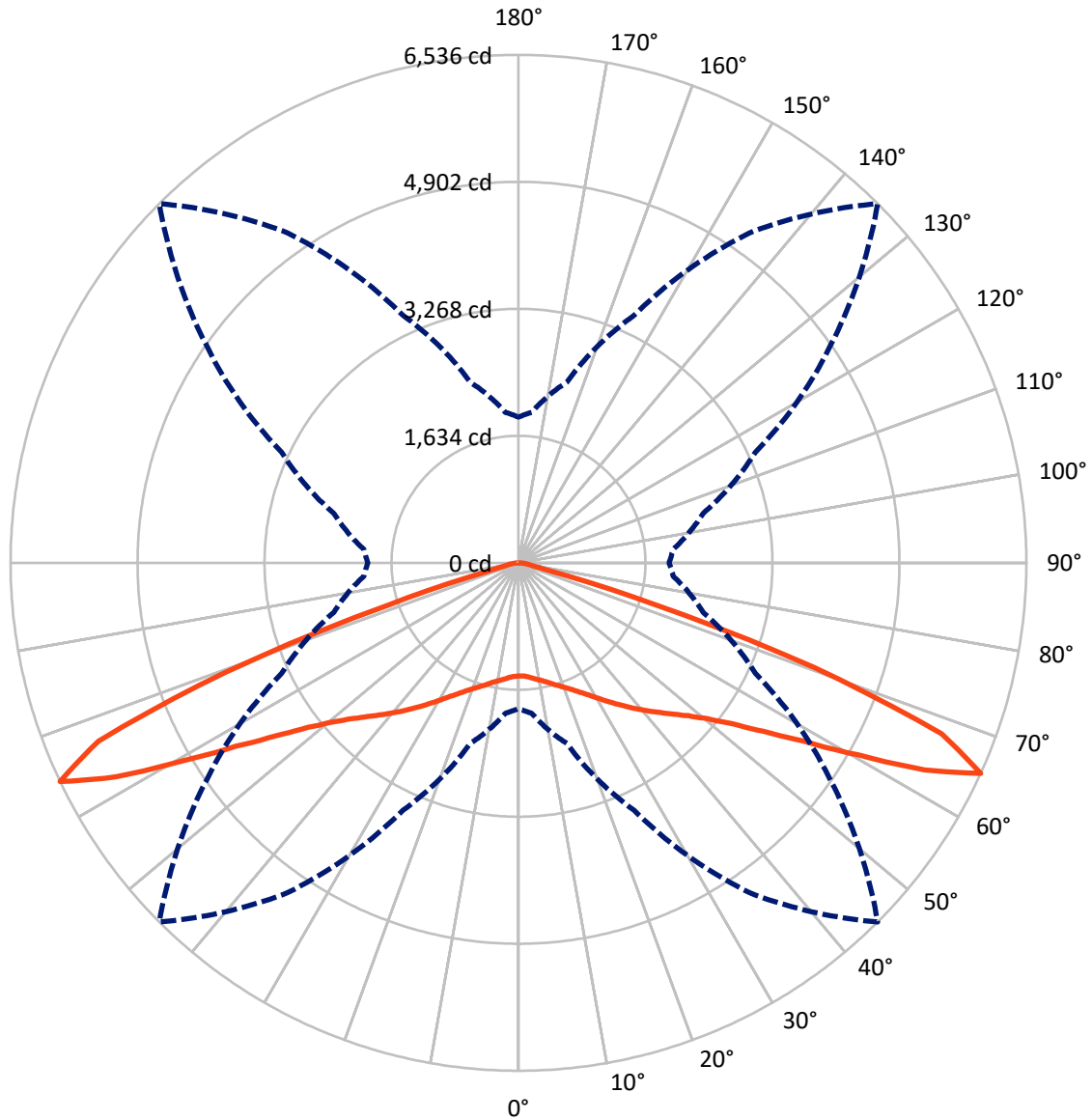
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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	6030.5	0.0	6030.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6030.5	0.0	6030.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12061.0	0.0	12061.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.9	1.2
10°-20°	459.3	3.8
20°-30°	861.8	7.1
30°-40°	1425.2	11.8
40°-50°	2207.5	18.3
50°-60°	3385.7	28.1
60°-70°	3159.2	26.2
70°-80°	367.7	3.0
80°-90°	51.7	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°	12061.0	100.0
0°-180°	12061.0	100.0

Coefficient of Utilization

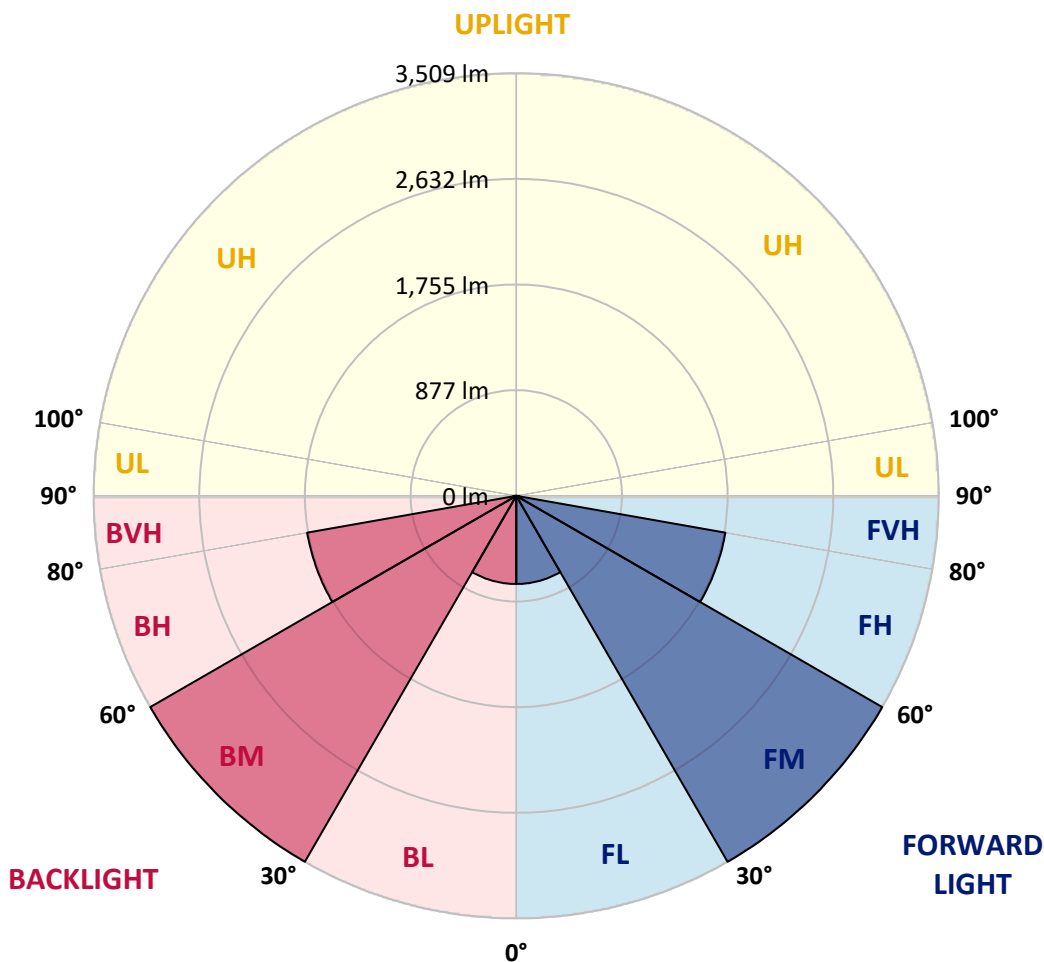


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	732.0	6.1			
FM (30°-60°)	3509.2	29.1			
FH (60°-80°)	1763.5	14.6			G1/1800
FVH (80°-90°)	25.8	0.2			G1/100
BL (0°-30°)	732.0	6.1	B2/1000		
BM (30°-60°)	3509.2	29.1	B3/5000		
BH (60°-80°)	1763.5	14.6	B3/2500		G1/1800
BVH (80°-90°)	25.8	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-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5
2.5°	1461.3	1460.5	1461.3	1461.7	1459.3	1460.5	1460.1	1462.1	1462.9	1462.1	1462.1
5°	1478.1	1476.9	1478.5	1480.5	1477.3	1478.1	1476.9	1479.3	1480.1	1478.5	1479.7
7.5°	1501.4	1501.8	1503.4	1507.0	1505.0	1506.6	1504.2	1504.6	1504.2	1501.8	1502.2
10°	1526.6	1527.0	1529.8	1534.6	1535.4	1535.4	1533.8	1532.6	1531.0	1529.4	1529.8
12.5°	1557.0	1559.0	1561.0	1567.0	1567.0	1570.2	1569.4	1566.2	1563.4	1561.0	1561.0
15°	1598.2	1597.8	1600.2	1606.3	1609.1	1614.3	1614.3	1609.9	1606.3	1603.9	1603.1
17.5°	1641.5	1642.7	1644.3	1651.5	1655.9	1661.9	1662.7	1659.1	1656.7	1653.5	1651.5
20°	1691.9	1693.9	1700.3	1703.1	1707.1	1712.8	1714.8	1714.0	1711.5	1709.9	1710.3
22.5°	1750.8	1756.0	1760.0	1764.0	1768.8	1772.8	1774.8	1777.6	1775.2	1774.0	1773.2
25°	1822.0	1825.7	1833.7	1840.9	1844.1	1845.3	1847.7	1851.7	1851.3	1848.5	1848.5
27.5°	1902.9	1909.7	1919.7	1930.1	1930.1	1926.1	1934.2	1941.0	1938.6	1935.0	1930.1
30°	2001.0	2007.4	2019.0	2033.4	2026.2	2023.4	2034.2	2046.7	2043.0	2037.0	2036.2
32.5°	2106.7	2112.7	2127.9	2143.5	2134.3	2130.3	2141.9	2160.0	2153.5	2141.5	2134.3
35°	2221.2	2227.2	2248.8	2267.7	2252.0	2245.2	2254.8	2274.5	2263.2	2240.8	2235.2
37.5°	2345.7	2348.9	2377.0	2396.2	2385.4	2367.3	2379.4	2393.8	2384.2	2356.9	2346.1
40°	2475.0	2486.7	2519.1	2541.5	2522.7	2494.3	2514.3	2534.3	2519.9	2485.0	2466.6
42.5°	2626.0	2634.8	2678.0	2698.0	2667.6	2627.6	2654.8	2682.0	2667.6	2634.0	2618.0
45°	2782.9	2796.5	2848.2	2868.2	2824.2	2773.3	2806.5	2854.2	2853.0	2804.5	2787.7
47.5°	2953.9	2967.5	3029.1	3055.6	3007.9	2939.9	2986.7	3054.0	3049.2	2995.9	2982.3
50°	3151.3	3165.7	3242.5	3275.8	3231.3	3152.1	3222.5	3281.8	3273.0	3207.3	3208.5
52.5°	3399.1	3398.3	3494.0	3551.6	3506.0	3435.9	3500.8	3558.4	3522.0	3431.1	3428.3
55°	3616.1	3629.3	3747.8	3857.1	3854.3	3827.5	3853.5	3855.9	3751.8	3630.9	3616.1
57.5°	3758.6	3783.8	3950.8	4148.6	4296.7	4332.3	4281.9	4128.9	3885.1	3691.7	3668.1
60°	3670.9	3709.4	3971.6	4374.8	4811.2	5020.5	4735.9	4261.5	3781.4	3512.0	3480.0
62.5°	3079.2	3144.0	3528.0	4265.5	5254.0	5866.1	5065.0	4048.9	3369.0	2997.9	2943.1
65°	1875.3	1943.8	2406.6	3510.8	5182.3	6535.5	4914.8	3360.6	2459.0	1997.4	1938.2
67.5°	625.0	645.0	917.6	1940.6	4072.9	5872.1	4079.7	2011.8	1070.2	709.4	688.6
70°	244.6	246.6	291.1	562.5	1923.3	4033.3	2122.3	572.5	304.3	240.6	245.8
72.5°	179.8	180.6	193.0	235.0	501.3	1776.8	519.3	236.2	187.8	168.6	168.6
75°	144.5	144.5	153.3	171.4	224.6	407.6	227.8	169.4	146.9	134.5	132.9
77.5°	114.1	116.5	123.3	134.9	152.1	196.2	157.7	134.1	118.5	106.9	104.5
80°	84.9	87.3	98.5	104.1	109.3	136.1	116.5	104.9	93.7	80.1	77.7
82.5°	55.7	58.1	72.1	75.3	74.1	88.9	78.5	77.3	68.9	51.6	49.2
85°	36.4	37.2	48.0	50.0	46.0	40.4	50.0	52.8	48.0	33.6	32.4
87.5°	17.2	17.2	24.4	22.8	20.8	16.8	22.8	26.8	27.2	16.4	16.0
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)