

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: P316756

Luminaire Tested: **GAN-SA2B-730-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316756  
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-730-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3000K, 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: 10984 lumens  
Efficiency: N/A  
Efficacy: 129.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

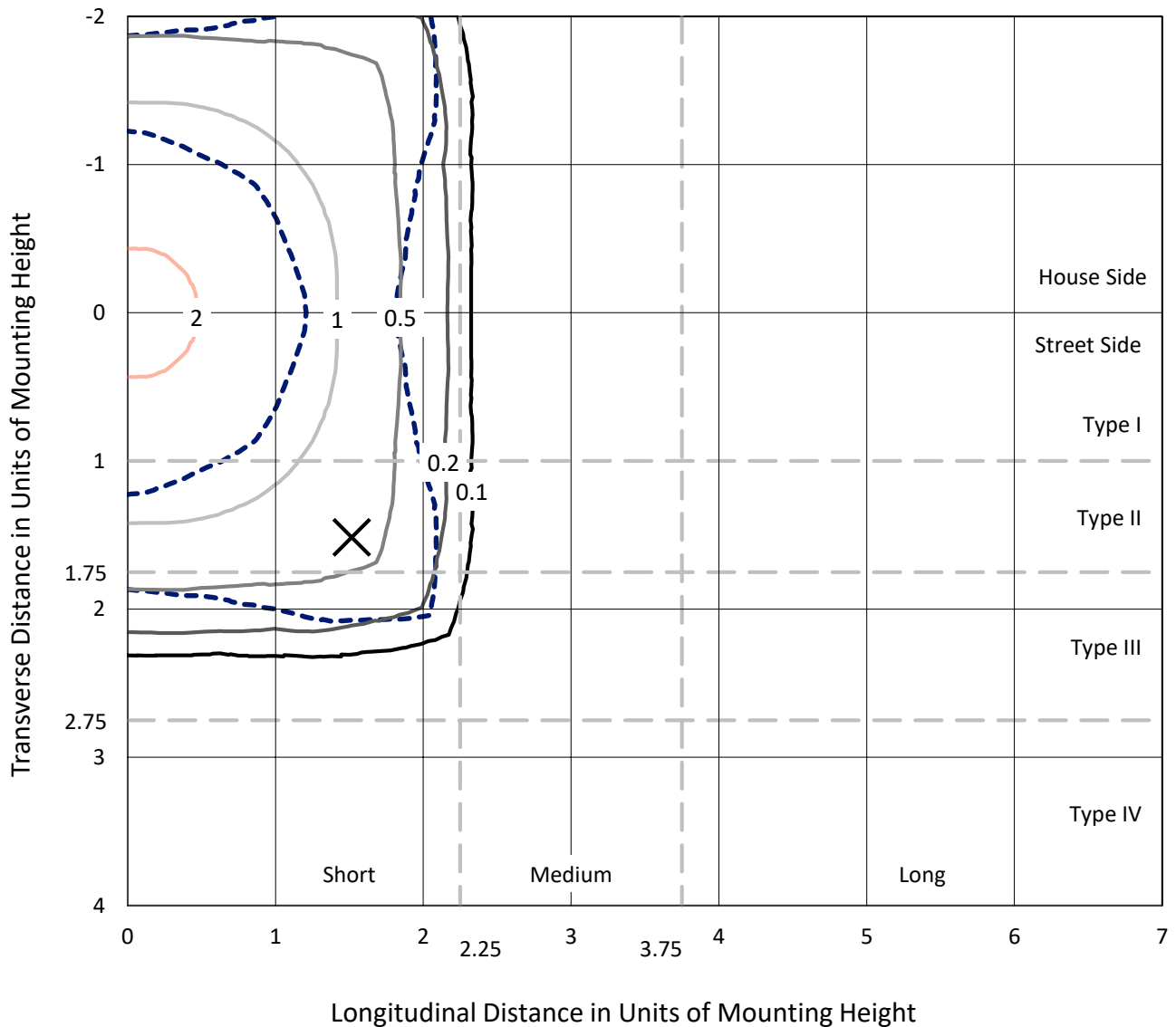
Input Watts (W): 85  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

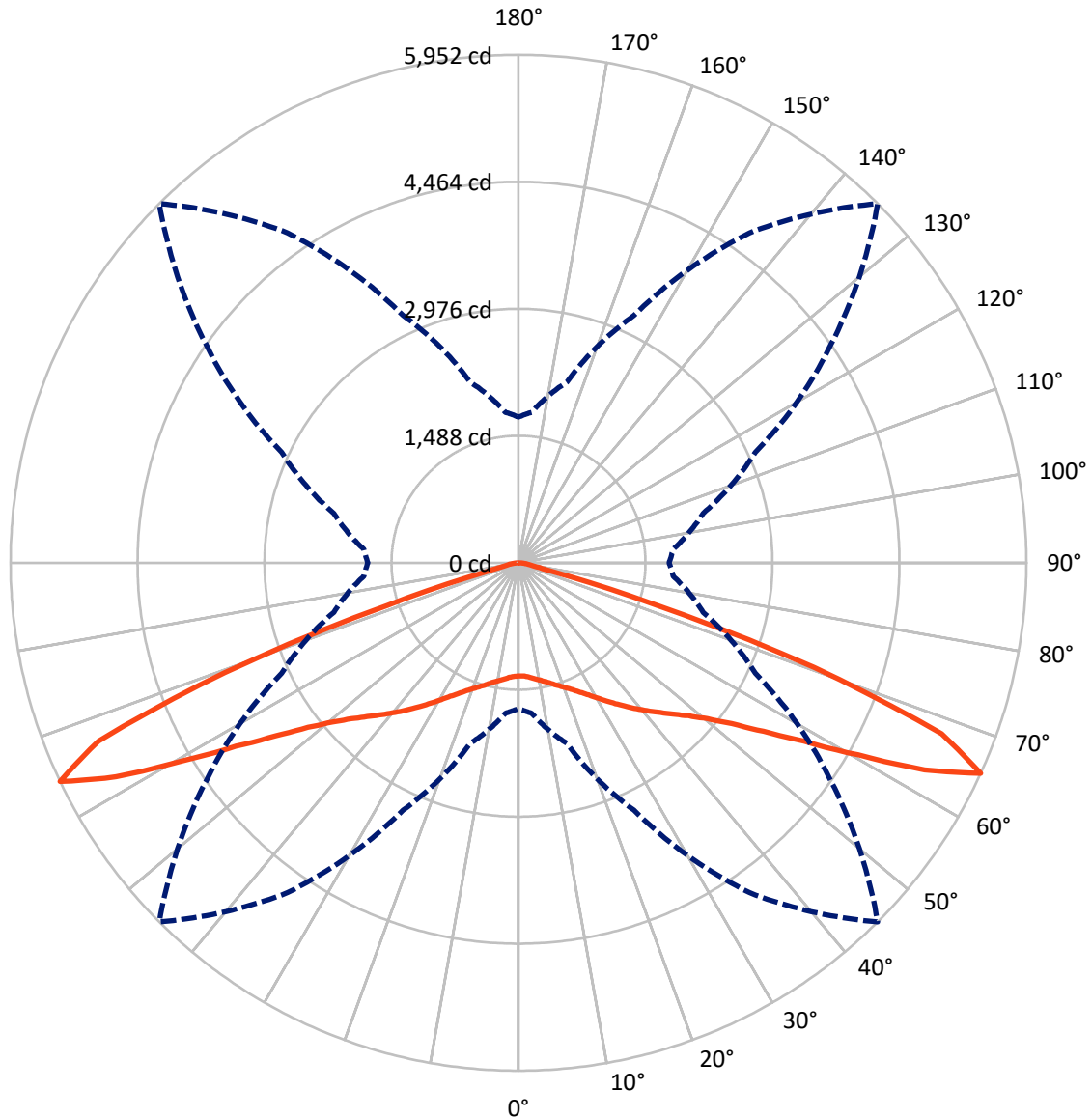
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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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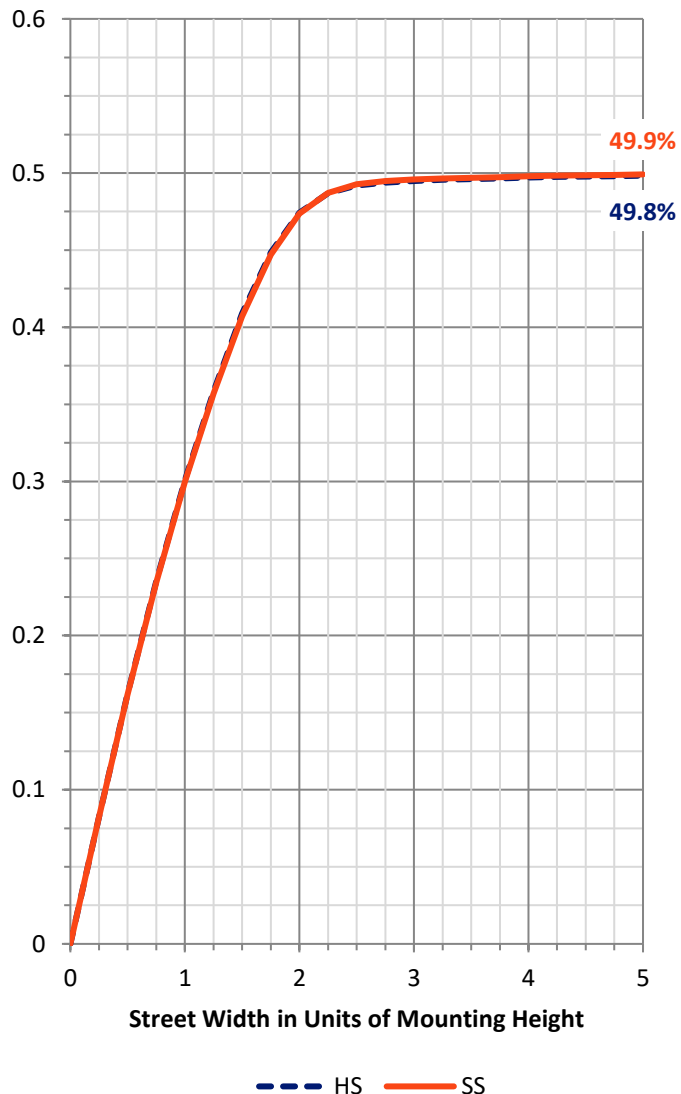
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5492.0	0.0	5492.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5492.0	0.0	5492.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10984.0	0.0	10984.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.1	1.2
10°-20°	418.3	3.8
20°-30°	784.8	7.1
30°-40°	1298.0	11.8
40°-50°	2010.4	18.3
50°-60°	3083.4	28.1
60°-70°	2877.1	26.2
70°-80°	334.9	3.0
80°-90°	47.1	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°	10984.0	100.0
0°-180°	10984.0	100.0

**Coefficient of Utilization**



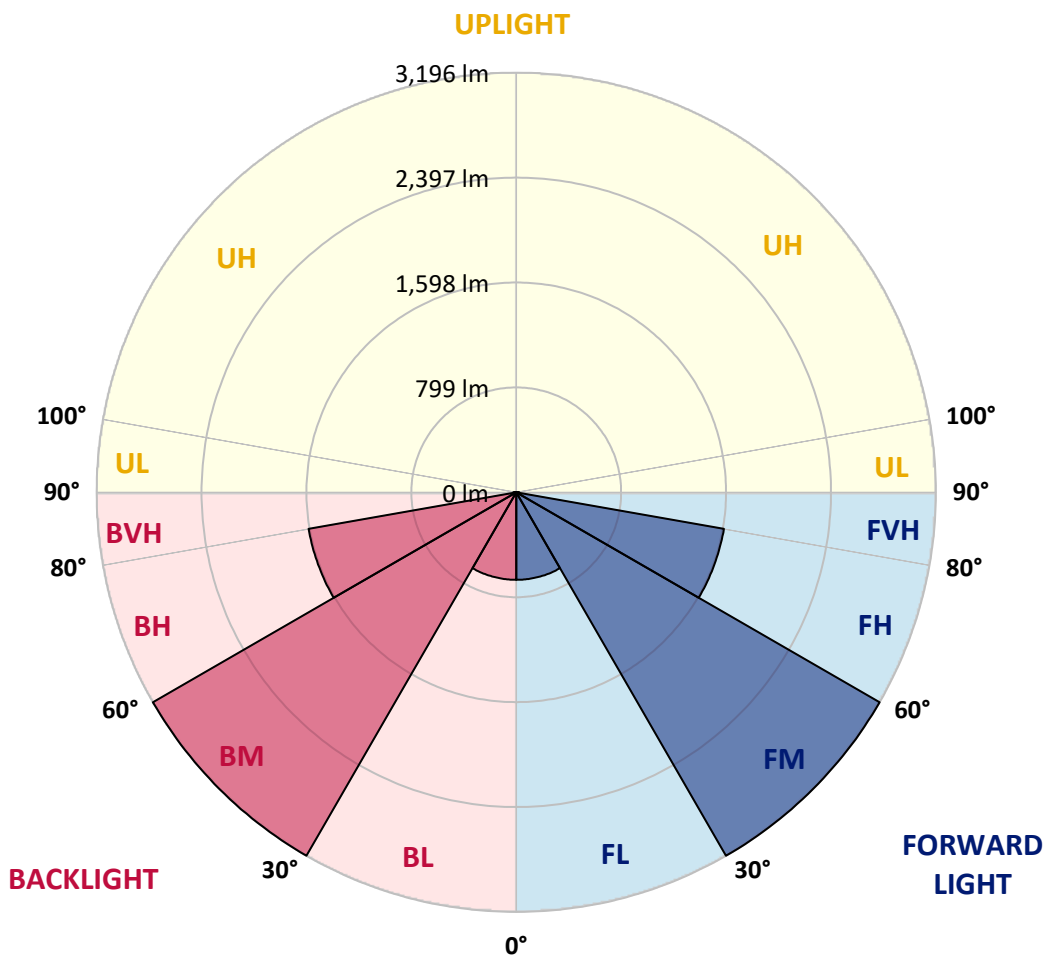
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	666.6	6.1			
FM (30°-60°)	3195.8	29.1			
FH (60°-80°)	1606.0	14.6			G1/1800
FVH (80°-90°)	23.5	0.2			G1/100
BL (0°-30°)	666.6	6.1	B2/1000		
BM (30°-60°)	3195.8	29.1	B3/5000		
BH (60°-80°)	1606.0	14.6	B3/2500		G1/1800
BVH (80°-90°)	23.5	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°	1326.5	1326.5	1326.5	1326.5	1326.5	1326.5	1326.5	1326.5	1326.5	1326.5	1326.5
2.5°	1330.8	1330.1	1330.8	1331.2	1329.0	1330.1	1329.7	1331.6	1332.3	1331.6	1331.6
5°	1346.1	1345.1	1346.5	1348.3	1345.4	1346.1	1345.1	1347.2	1348.0	1346.5	1347.6
7.5°	1367.3	1367.7	1369.1	1372.4	1370.6	1372.0	1369.8	1370.2	1369.8	1367.7	1368.0
10°	1390.3	1390.6	1393.2	1397.6	1398.3	1398.3	1396.8	1395.7	1394.3	1392.8	1393.2
12.5°	1418.0	1419.8	1421.6	1427.1	1427.1	1430.0	1429.3	1426.4	1423.8	1421.6	1421.6
15°	1455.5	1455.2	1457.4	1462.8	1465.4	1470.1	1470.1	1466.1	1462.8	1460.6	1459.9
17.5°	1494.9	1496.0	1497.5	1504.0	1508.0	1513.5	1514.2	1511.0	1508.8	1505.8	1504.0
20°	1540.8	1542.7	1548.5	1551.1	1554.7	1559.8	1561.6	1560.9	1558.7	1557.3	1557.6
22.5°	1594.4	1599.2	1602.8	1606.5	1610.9	1614.5	1616.3	1618.9	1616.7	1615.6	1614.9
25°	1659.3	1662.6	1669.9	1676.5	1679.4	1680.5	1682.7	1686.3	1686.0	1683.4	1683.4
27.5°	1733.0	1739.2	1748.3	1757.8	1757.8	1754.1	1761.4	1767.6	1765.4	1762.2	1757.8
30°	1822.3	1828.2	1838.7	1851.9	1845.3	1842.7	1852.6	1863.9	1860.6	1855.1	1854.4
32.5°	1918.6	1924.1	1937.9	1952.1	1943.7	1940.1	1950.7	1967.1	1961.2	1950.3	1943.7
35°	2022.9	2028.3	2048.0	2065.2	2050.9	2044.7	2053.5	2071.4	2061.1	2040.7	2035.6
37.5°	2136.3	2139.2	2164.7	2182.2	2172.4	2155.9	2166.9	2180.0	2171.3	2146.5	2136.6
40°	2254.0	2264.6	2294.1	2314.6	2297.4	2271.5	2289.8	2308.0	2294.9	2263.1	2246.4
42.5°	2391.5	2399.5	2438.9	2457.1	2429.4	2392.9	2417.7	2442.5	2429.4	2398.8	2384.2
45°	2534.4	2546.8	2593.8	2612.1	2572.0	2525.7	2555.9	2599.3	2598.2	2554.1	2538.8
47.5°	2690.1	2702.5	2758.7	2782.7	2739.3	2677.3	2720.0	2781.3	2776.9	2728.4	2716.0
50°	2869.9	2883.0	2953.0	2983.3	2942.8	2870.6	2934.8	2988.7	2980.7	2920.9	2922.0
52.5°	3095.6	3094.8	3182.0	3234.5	3192.9	3129.1	3188.2	3240.7	3207.5	3124.7	3122.2
55°	3293.2	3305.2	3413.1	3512.7	3510.1	3485.7	3509.4	3511.6	3416.8	3306.7	3293.2
57.5°	3423.0	3445.9	3598.0	3778.1	3913.0	3945.5	3899.5	3760.2	3538.2	3362.1	3340.6
60°	3343.1	3378.1	3616.9	3984.1	4381.5	4572.2	4313.0	3880.9	3443.8	3198.4	3169.2
62.5°	2804.2	2863.3	3213.0	3884.6	4784.8	5342.3	4612.7	3687.3	3068.2	2730.2	2680.3
65°	1707.8	1770.2	2191.7	3197.3	4719.5	5951.9	4476.0	3060.5	2239.4	1819.0	1765.1
67.5°	569.2	587.4	835.7	1767.3	3709.2	5347.8	3715.4	1832.2	974.6	646.1	627.1
70°	222.8	224.6	265.1	512.3	1751.6	3673.1	1932.8	521.4	277.1	219.1	223.9
72.5°	163.7	164.4	175.7	214.0	456.5	1618.1	472.9	215.1	171.0	153.5	153.5
75°	131.6	131.6	139.6	156.1	204.5	371.2	207.5	154.2	133.8	122.5	121.1
77.5°	103.9	106.1	112.3	122.9	138.6	178.7	143.7	122.1	107.9	97.4	95.2
80°	77.3	79.5	89.7	94.8	99.5	124.0	106.1	95.5	85.3	72.9	70.7
82.5°	50.7	52.9	65.6	68.5	67.5	80.9	71.5	70.4	62.7	47.0	44.8
85°	33.2	33.9	43.8	45.6	41.9	36.8	45.6	48.1	43.8	30.6	29.5
87.5°	15.7	15.7	22.2	20.8	19.0	15.3	20.8	24.4	24.8	14.9	14.6
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)