

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: P316127

Luminaire Tested: **GAN-SA3C-730-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316127  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA3C-730-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20714 lumens  
Efficiency: N/A  
Efficacy: 124.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

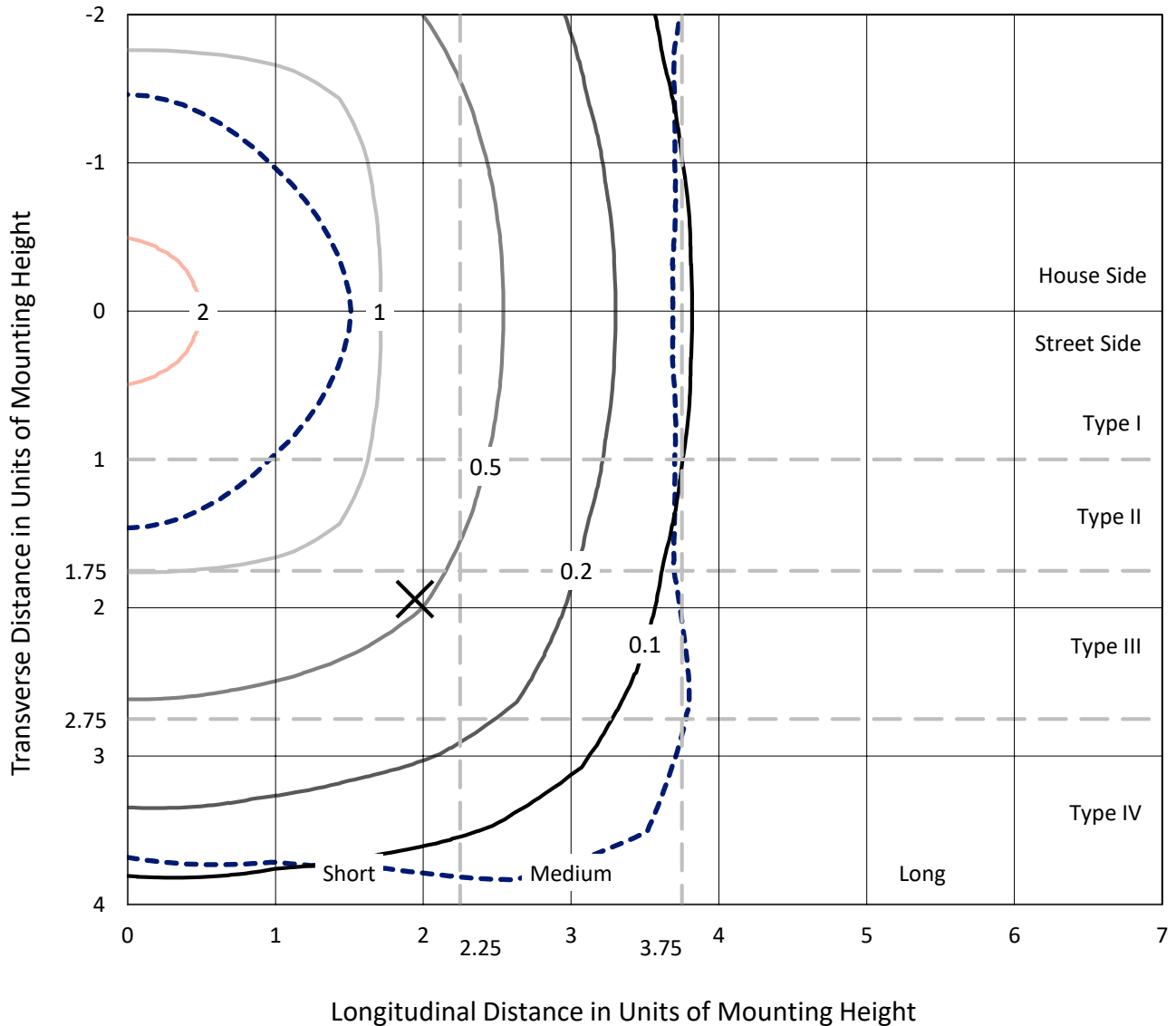
Input Watts (W): 166  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

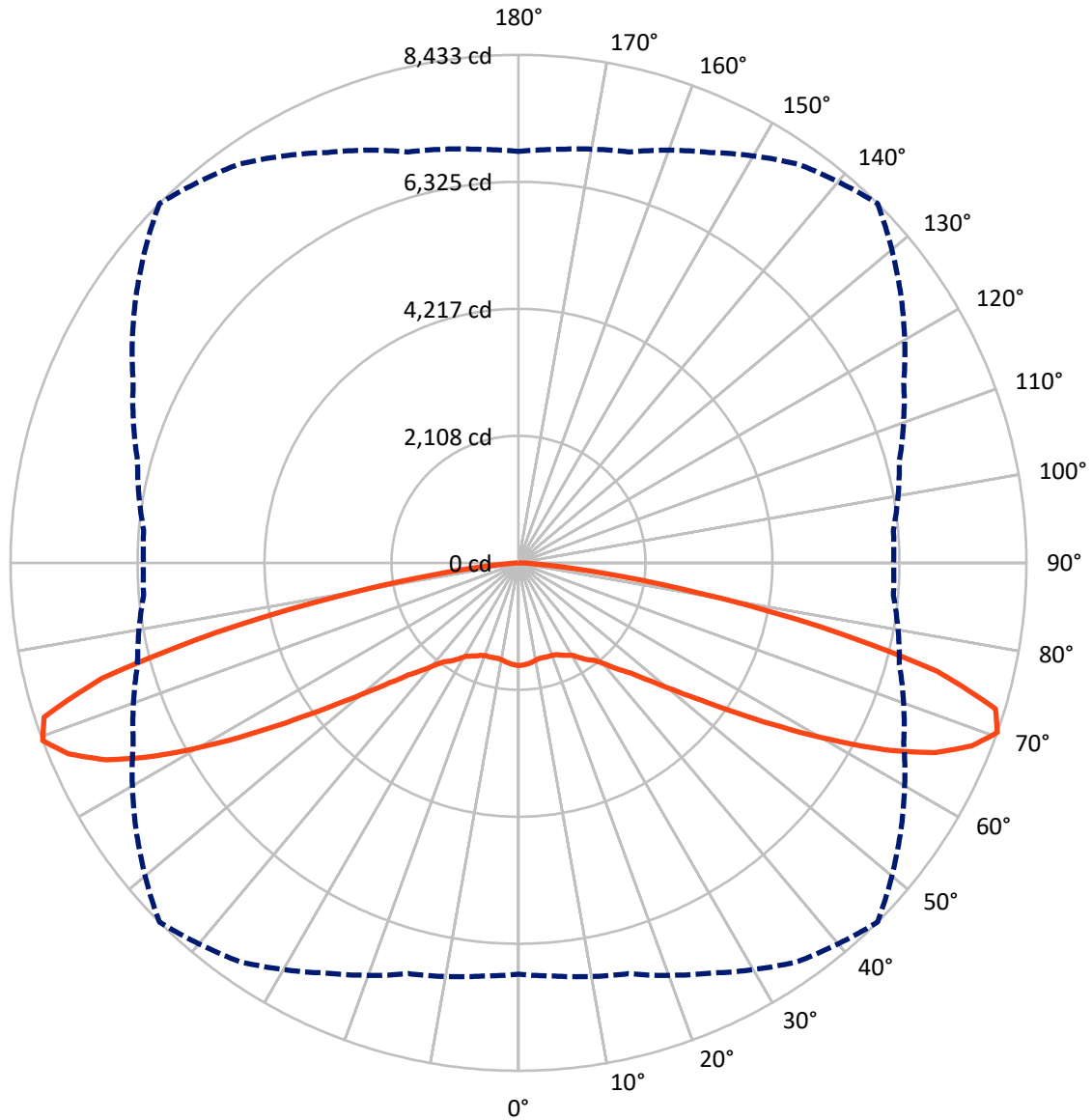
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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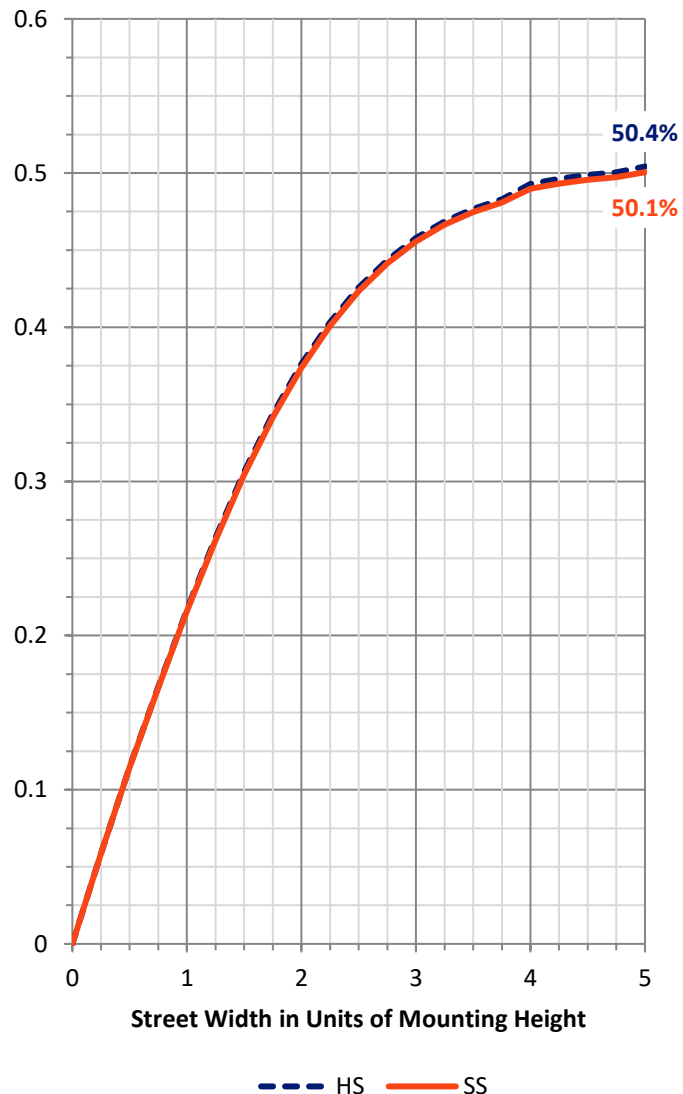
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10357.0	0.0	10357.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10357.0	0.0	10357.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20714.0	0.0	20714.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.1	0.8
10°-20°	464.8	2.2
20°-30°	792.4	3.8
30°-40°	1238.2	6.0
40°-50°	2098.4	10.1
50°-60°	3826.6	18.5
60°-70°	6587.8	31.8
70°-80°	5163.8	24.9
80°-90°	382.9	1.8
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°	20714.0	100.0
0°-180°	20714.0	100.0

**Coefficient of Utilization**



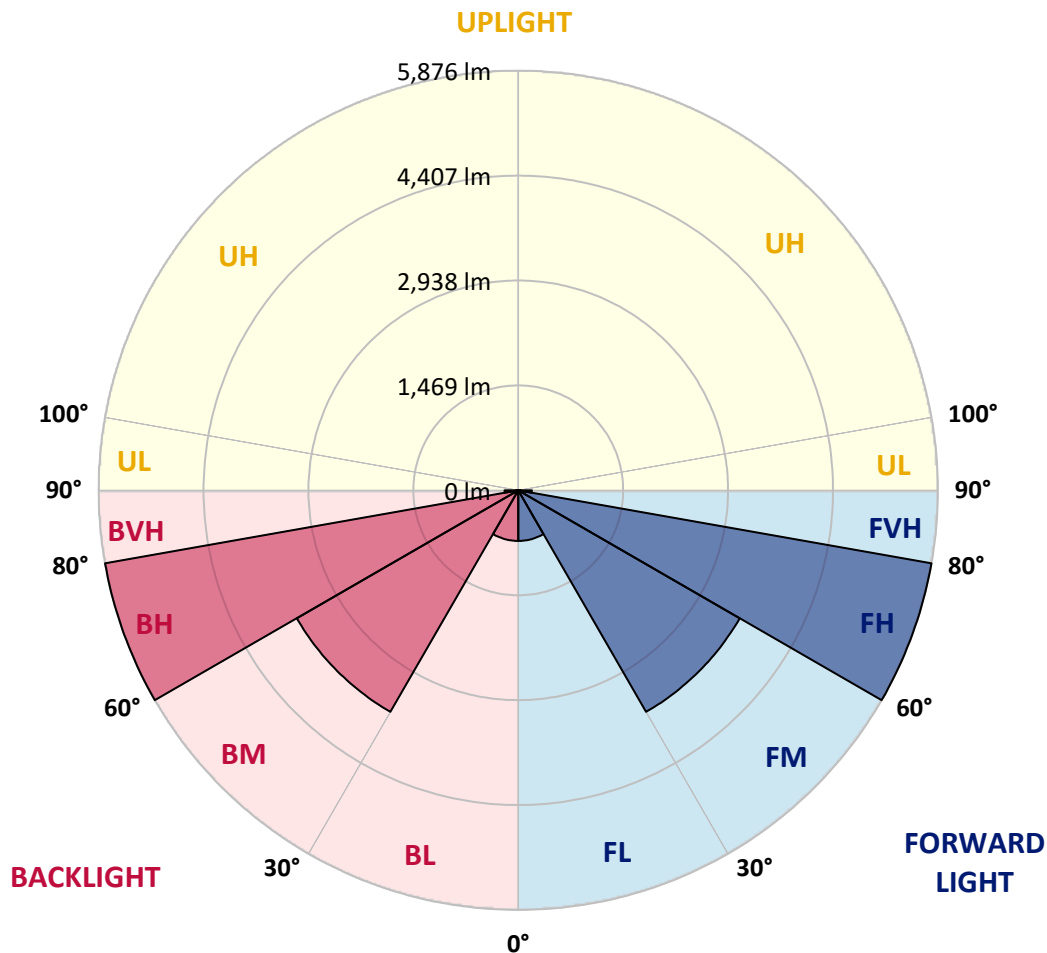
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	708.2	3.4			
FM (30°-60°)	3581.6	17.3			
FH (60°-80°)	5875.8	28.4			G3/7500
FVH (80°-90°)	191.4	0.9			G2/225
BL (0°-30°)	708.2	3.4	B2/1000		
BM (30°-60°)	3581.6	17.3	B3/5000		
BH (60°-80°)	5875.8	28.4	B5		G3/7500
BVH (80°-90°)	191.4	0.9			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1704.8	1704.8	1704.8	1704.8	1704.8	1704.8	1704.8	1704.8	1704.8	1704.8	1704.8
2.5°	1697.2	1699.3	1697.2	1698.6	1695.2	1696.5	1696.5	1696.5	1695.9	1696.5	1695.2
5°	1682.2	1683.5	1680.8	1682.2	1680.1	1682.2	1682.8	1682.2	1680.8	1681.5	1678.7
7.5°	1659.5	1660.9	1658.9	1660.9	1658.2	1661.6	1660.9	1658.9	1656.8	1656.8	1654.1
10°	1647.2	1647.9	1642.4	1640.4	1634.2	1635.6	1637.6	1639.7	1641.7	1645.8	1645.2
12.5°	1647.9	1647.9	1639.7	1630.8	1621.9	1623.9	1627.3	1634.9	1643.1	1650.6	1651.3
15°	1654.7	1654.1	1641.7	1627.3	1621.2	1627.3	1629.4	1634.2	1647.2	1660.2	1660.9
17.5°	1659.5	1659.5	1640.4	1623.9	1623.2	1632.8	1632.1	1634.2	1648.6	1667.8	1668.4
20°	1668.4	1668.4	1643.8	1626.0	1626.0	1636.2	1636.9	1640.4	1654.7	1676.0	1679.4
22.5°	1688.3	1689.0	1663.0	1648.6	1649.9	1656.1	1658.2	1663.7	1676.7	1700.0	1704.1
25°	1716.4	1717.8	1691.1	1682.8	1687.6	1699.3	1697.9	1702.0	1716.4	1739.0	1743.1
27.5°	1755.5	1752.0	1727.4	1724.0	1728.7	1737.0	1736.3	1737.0	1748.6	1769.2	1774.0
30°	1806.2	1804.8	1787.0	1789.0	1787.0	1784.2	1784.9	1790.4	1796.6	1813.0	1817.8
32.5°	1855.5	1856.9	1845.9	1856.2	1871.3	1881.5	1865.8	1850.7	1843.9	1852.8	1856.9
35°	1944.6	1948.0	1930.9	1924.0	1944.6	1974.7	1930.2	1905.5	1919.2	1930.9	1934.3
37.5°	2096.0	2098.1	2069.3	2041.9	2026.8	2055.6	2011.0	2013.1	2061.1	2083.0	2082.3
40°	2268.7	2269.4	2250.2	2226.2	2200.2	2207.0	2189.2	2194.7	2226.2	2246.1	2251.6
42.5°	2474.2	2472.2	2442.0	2407.8	2400.2	2407.1	2376.9	2372.8	2409.1	2444.8	2445.5
45°	2740.8	2736.0	2696.9	2659.2	2622.9	2607.9	2600.3	2620.2	2670.2	2703.1	2703.8
47.5°	3027.9	3014.9	2994.3	2964.2	2932.6	2917.6	2905.2	2914.8	2951.1	2964.2	2965.5
50°	3323.2	3325.9	3330.0	3318.4	3306.8	3302.0	3269.8	3251.3	3262.2	3238.2	3234.8
52.5°	3673.3	3678.8	3718.6	3752.1	3772.0	3782.3	3721.3	3657.6	3621.9	3575.3	3561.6
55°	4086.5	4095.4	4153.7	4246.8	4342.8	4393.5	4283.2	4163.9	4053.6	3966.6	3938.5
57.5°	4547.0	4562.7	4642.9	4821.7	5018.4	5138.3	4951.9	4735.4	4522.3	4396.9	4375.0
60°	5086.9	5102.0	5213.0	5469.2	5787.8	5968.0	5685.7	5331.5	5066.3	4946.4	4906.0
62.5°	5729.6	5731.0	5867.3	6166.8	6587.5	6838.2	6455.9	5982.4	5709.0	5564.5	5525.4
65°	6421.0	6424.4	6565.5	6889.0	7324.0	7596.8	7165.1	6671.7	6337.4	6124.3	6094.1
67.5°	6909.5	6923.9	7072.6	7461.8	7868.8	8114.8	7668.0	7110.3	6723.8	6469.6	6444.3
70°	6831.4	6887.6	7062.3	7516.6	8082.6	8433.4	7749.6	7058.2	6548.4	6248.3	6227.1
72.5°	5957.8	6065.3	6298.3	6894.4	7799.6	8282.6	7304.9	6321.6	5744.7	5489.1	5450.7
75°	4057.0	4231.8	4583.3	5443.2	6663.5	7171.3	6149.6	5040.3	4497.6	4144.1	4118.0
77.5°	1808.9	1848.7	2294.0	3284.1	4598.3	5149.9	4468.2	3297.2	2474.9	1974.0	1868.5
80°	504.3	510.5	681.1	1223.1	2301.6	3025.8	2470.8	1284.7	722.2	509.1	479.6
82.5°	160.3	174.0	212.4	317.2	773.6	1380.7	794.1	342.6	243.9	194.6	175.4
85°	78.1	77.4	107.6	128.8	197.3	305.6	210.4	159.0	139.1	92.5	83.6
87.5°	32.9	33.6	50.0	45.2	57.6	49.3	67.8	71.3	74.7	41.1	35.6
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)