

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: P316765

Luminaire Tested: **GAN-SA1C-730-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316765  
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-SA1C-730-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6957 lumens  
Efficiency: N/A  
Efficacy: 117.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

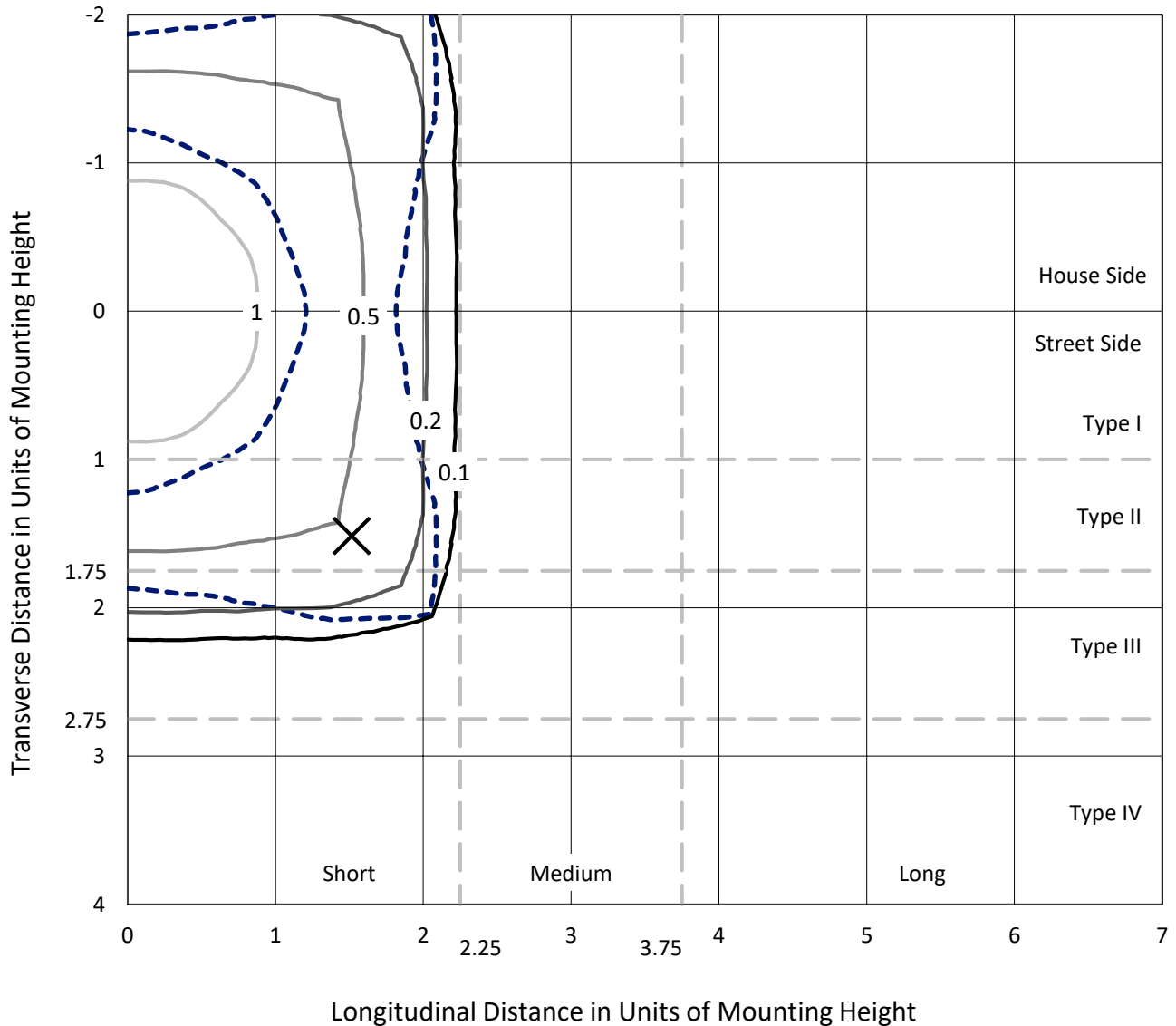
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

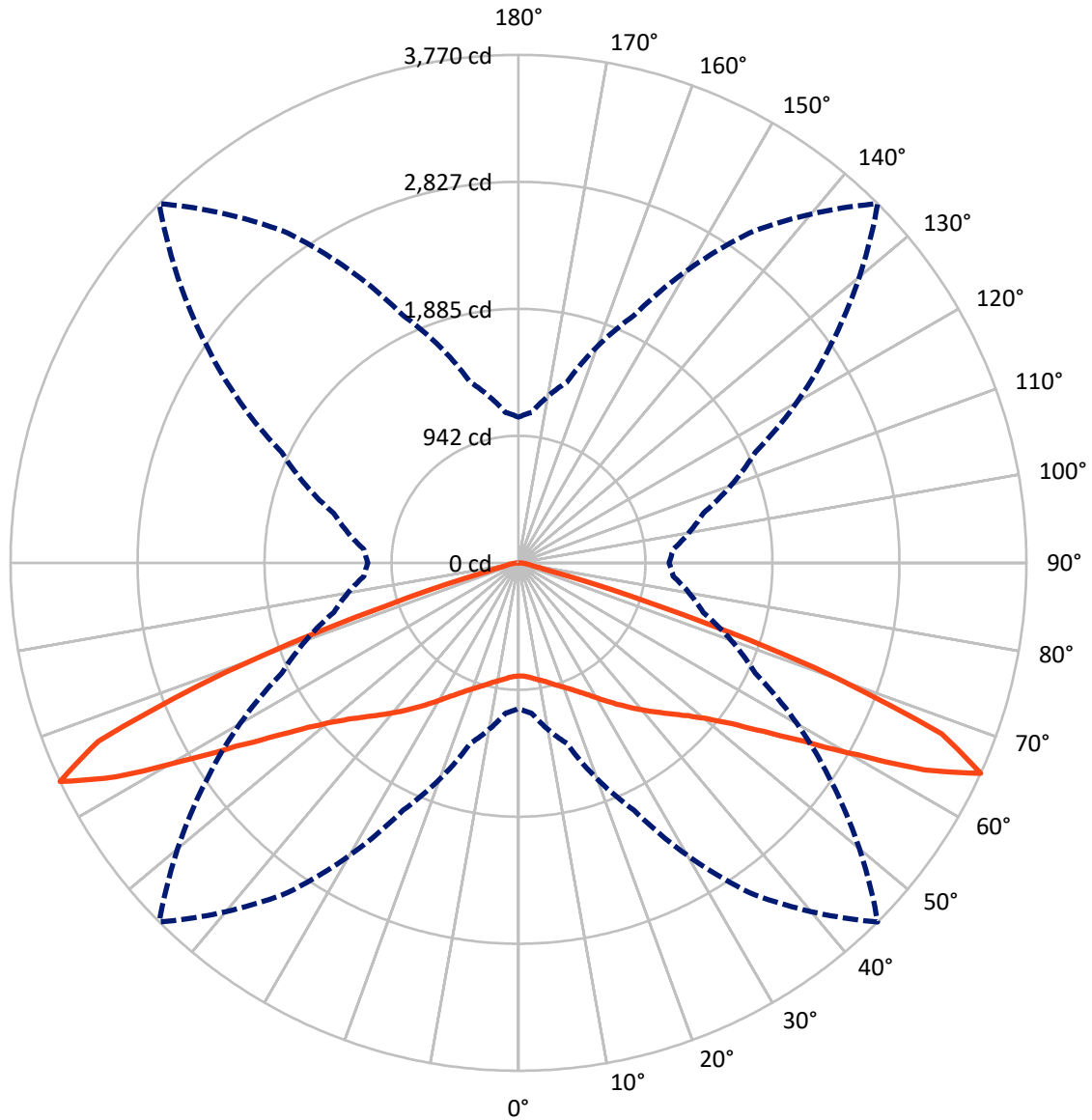
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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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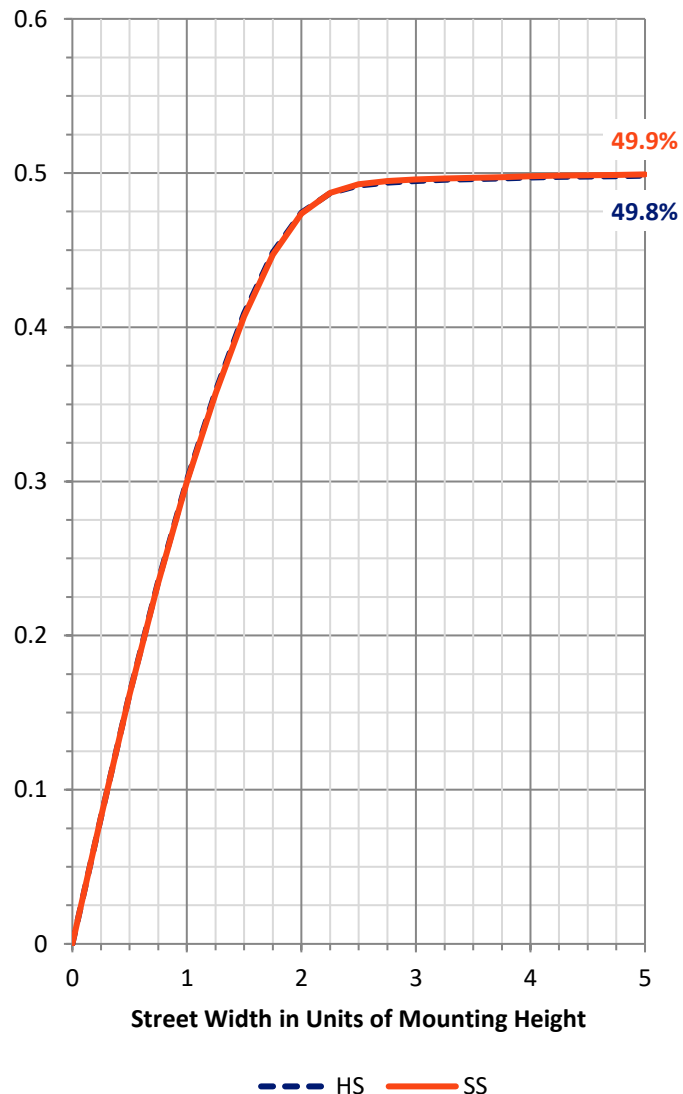
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3478.5	0.0	3478.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3478.5	0.0	3478.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6957.0	0.0	6957.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.4	1.2
10°-20°	265.0	3.8
20°-30°	497.1	7.1
30°-40°	822.1	11.8
40°-50°	1273.3	18.3
50°-60°	1952.9	28.1
60°-70°	1822.3	26.2
70°-80°	212.1	3.0
80°-90°	29.8	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°	6957.0	100.0
0°-180°	6957.0	100.0

**Coefficient of Utilization**



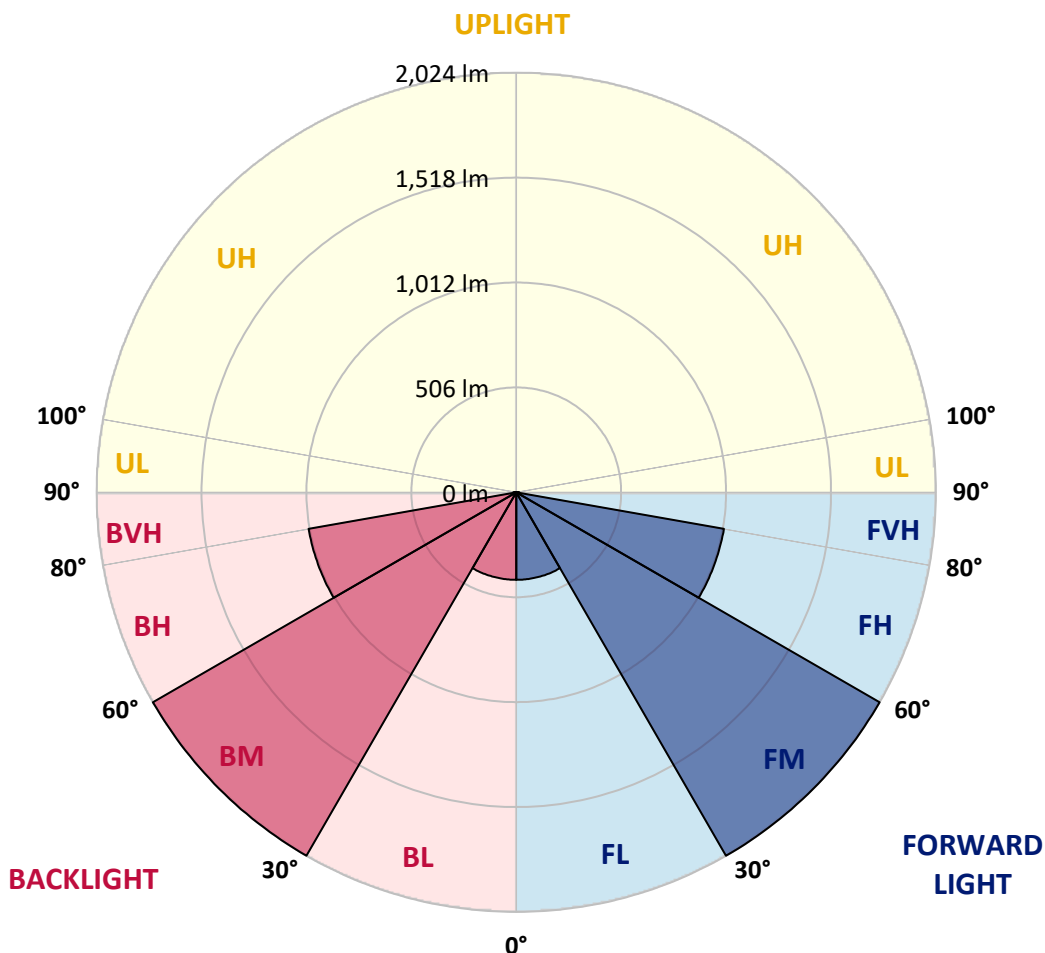
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	422.2	6.1			
FM (30°-60°)	2024.2	29.1			
FH (60°-80°)	1017.2	14.6			G1/1800
FVH (80°-90°)	14.9	0.2			G1/100
BL (0°-30°)	422.2	6.1	B1/500		
BM (30°-60°)	2024.2	29.1	B2/2500		
BH (60°-80°)	1017.2	14.6	B3/2500		G1/1800
BVH (80°-90°)	14.9	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-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	840.1	840.1	840.1	840.1	840.1	840.1	840.1	840.1	840.1	840.1	840.1
2.5°	842.9	842.5	842.9	843.1	841.8	842.5	842.2	843.4	843.8	843.4	843.4
5°	852.6	851.9	852.8	854.0	852.2	852.6	851.9	853.3	853.8	852.8	853.5
7.5°	866.0	866.2	867.2	869.2	868.1	869.0	867.6	867.9	867.6	866.2	866.5
10°	880.6	880.8	882.4	885.2	885.6	885.6	884.7	884.0	883.1	882.2	882.4
12.5°	898.1	899.3	900.4	903.9	903.9	905.7	905.3	903.4	901.8	900.4	900.4
15°	921.9	921.7	923.1	926.5	928.1	931.1	931.1	928.6	926.5	925.1	924.7
17.5°	946.8	947.5	948.5	952.6	955.2	958.6	959.1	957.0	955.6	953.8	952.6
20°	975.9	977.1	980.8	982.4	984.7	987.9	989.1	988.6	987.3	986.3	986.6
22.5°	1009.9	1012.9	1015.2	1017.5	1020.3	1022.6	1023.7	1025.4	1024.0	1023.3	1022.8
25°	1051.0	1053.1	1057.7	1061.8	1063.7	1064.4	1065.8	1068.1	1067.8	1066.2	1066.2
27.5°	1097.6	1101.6	1107.3	1113.3	1113.3	1111.0	1115.7	1119.6	1118.2	1116.1	1113.3
30°	1154.2	1157.9	1164.6	1172.9	1168.8	1167.2	1173.4	1180.5	1178.5	1175.0	1174.5
32.5°	1215.2	1218.7	1227.4	1236.4	1231.1	1228.8	1235.5	1245.9	1242.2	1235.3	1231.1
35°	1281.2	1284.7	1297.2	1308.0	1299.0	1295.1	1300.6	1311.9	1305.5	1292.5	1289.3
37.5°	1353.1	1354.9	1371.1	1382.2	1375.9	1365.5	1372.5	1380.8	1375.2	1359.5	1353.3
40°	1427.6	1434.3	1453.1	1466.0	1455.1	1438.7	1450.3	1461.8	1453.5	1433.4	1422.8
42.5°	1514.7	1519.8	1544.7	1556.3	1538.7	1515.6	1531.3	1547.0	1538.7	1519.3	1510.1
45°	1605.2	1613.1	1642.9	1654.4	1629.0	1599.7	1618.9	1646.3	1645.7	1617.7	1608.0
47.5°	1703.8	1711.7	1747.3	1762.5	1735.0	1695.8	1722.8	1761.6	1758.8	1728.1	1720.2
50°	1817.7	1826.0	1870.4	1889.5	1863.9	1818.2	1858.8	1893.0	1887.9	1850.0	1850.7
52.5°	1960.6	1960.2	2015.4	2048.6	2022.3	1981.9	2019.3	2052.6	2031.5	1979.1	1977.5
55°	2085.8	2093.4	2161.8	2224.8	2223.2	2207.7	2222.8	2224.1	2164.1	2094.4	2085.8
57.5°	2168.0	2182.6	2278.9	2393.0	2478.4	2499.0	2469.9	2381.6	2241.0	2129.5	2115.8
60°	2117.5	2139.6	2290.9	2523.4	2775.2	2895.9	2731.7	2458.1	2181.2	2025.8	2007.3
62.5°	1776.1	1813.5	2035.0	2460.4	3030.6	3383.7	2921.6	2335.5	1943.3	1729.3	1697.6
65°	1081.7	1121.2	1388.2	2025.1	2989.2	3769.8	2835.0	1938.5	1418.4	1152.1	1118.0
67.5°	360.5	372.0	529.3	1119.3	2349.3	3387.1	2353.2	1160.5	617.3	409.2	397.2
70°	141.1	142.3	167.9	324.5	1109.4	2326.5	1224.2	330.2	175.5	138.8	141.8
72.5°	103.7	104.2	111.3	135.6	289.1	1024.9	299.5	136.3	108.3	97.2	97.2
75°	83.4	83.4	88.4	98.8	129.6	235.1	131.4	97.7	84.8	77.6	76.7
77.5°	65.8	67.2	71.1	77.8	87.8	113.2	91.0	77.4	68.4	61.7	60.3
80°	49.0	50.3	56.8	60.0	63.0	78.5	67.2	60.5	54.0	46.2	44.8
82.5°	32.1	33.5	41.6	43.4	42.7	51.3	45.3	44.6	39.7	29.8	28.4
85°	21.0	21.5	27.7	28.9	26.6	23.3	28.9	30.5	27.7	19.4	18.7
87.5°	9.9	9.9	14.1	13.2	12.0	9.7	13.2	15.5	15.7	9.5	9.2
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)