

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: P317095

Luminaire Tested: **GAN-SA1D-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317095
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-SA1D-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7564 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

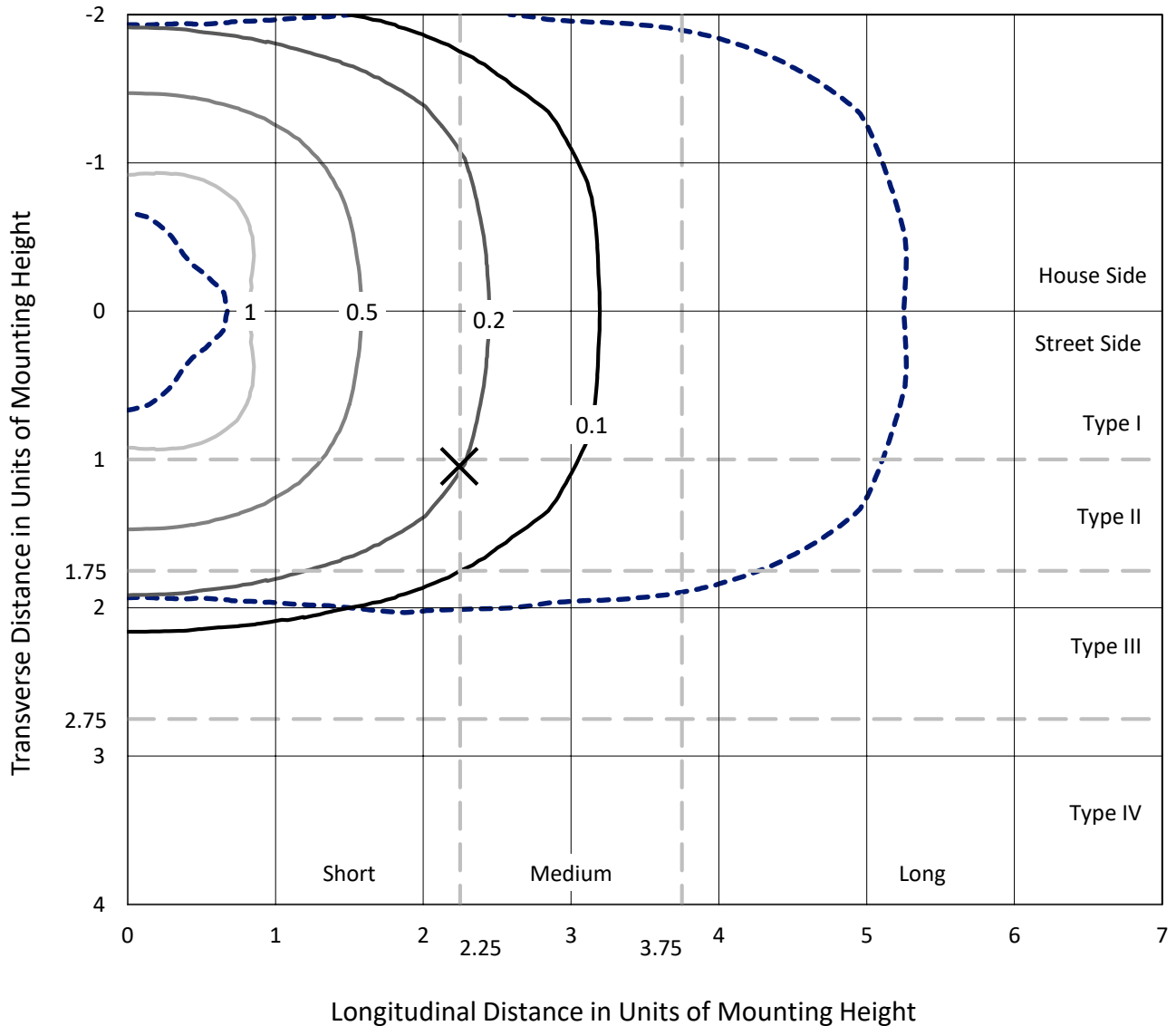
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

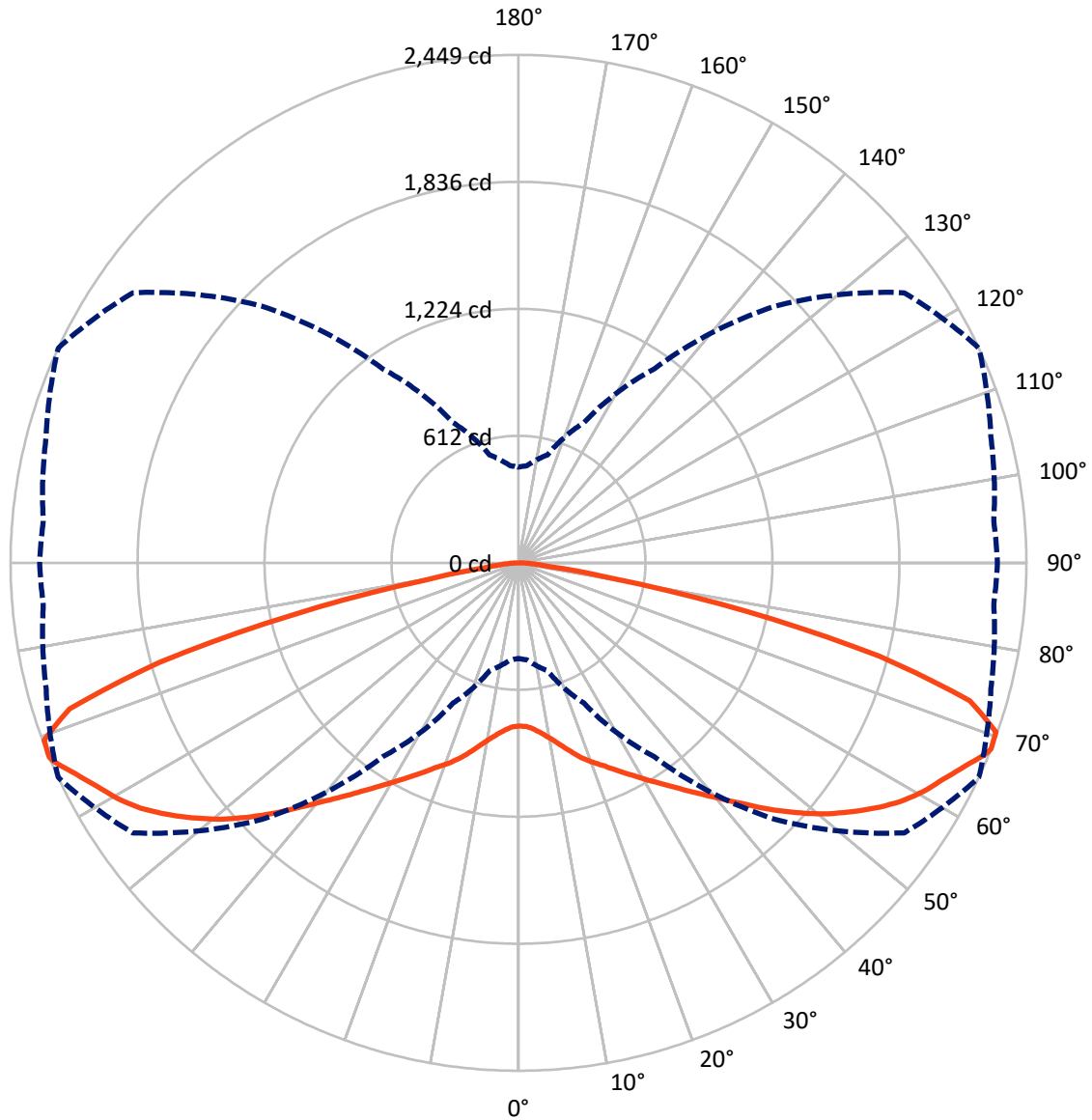
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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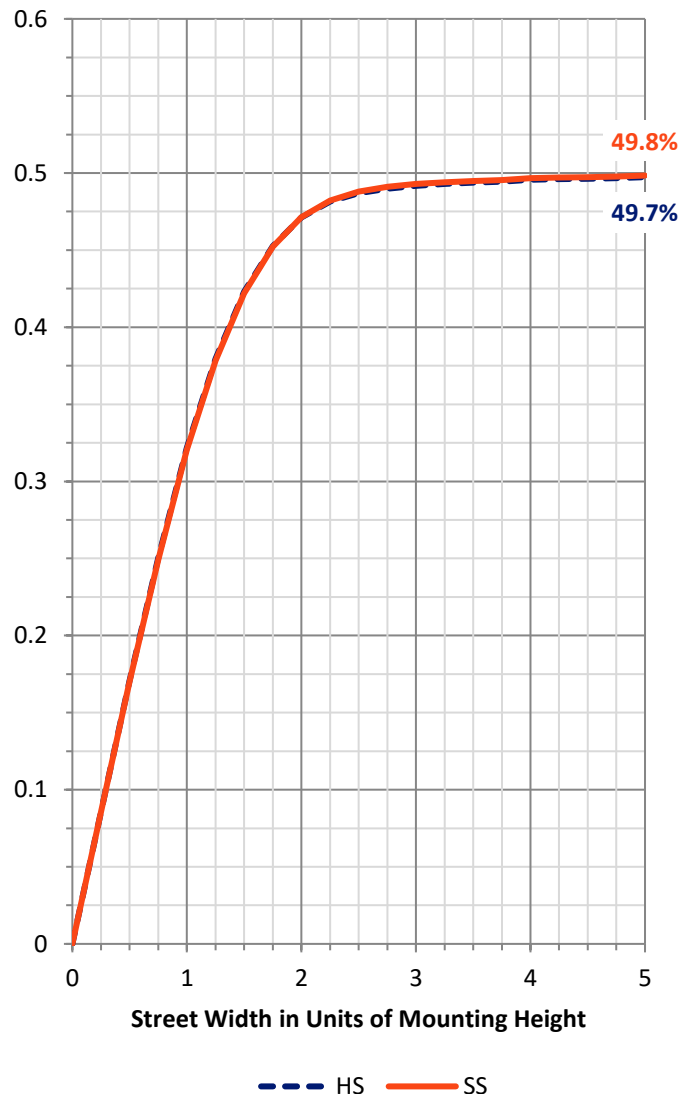
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3782.0	0.0	3782.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3782.0	0.0	3782.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7564.0	0.0	7564.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.0	1.0
10°-20°	257.8	3.4
20°-30°	502.7	6.6
30°-40°	844.5	11.2
40°-50°	1330.7	17.6
50°-60°	1779.5	23.5
60°-70°	1729.9	22.9
70°-80°	945.7	12.5
80°-90°	96.2	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°	7564.0	100.0
0°-180°	7564.0	100.0

Coefficient of Utilization

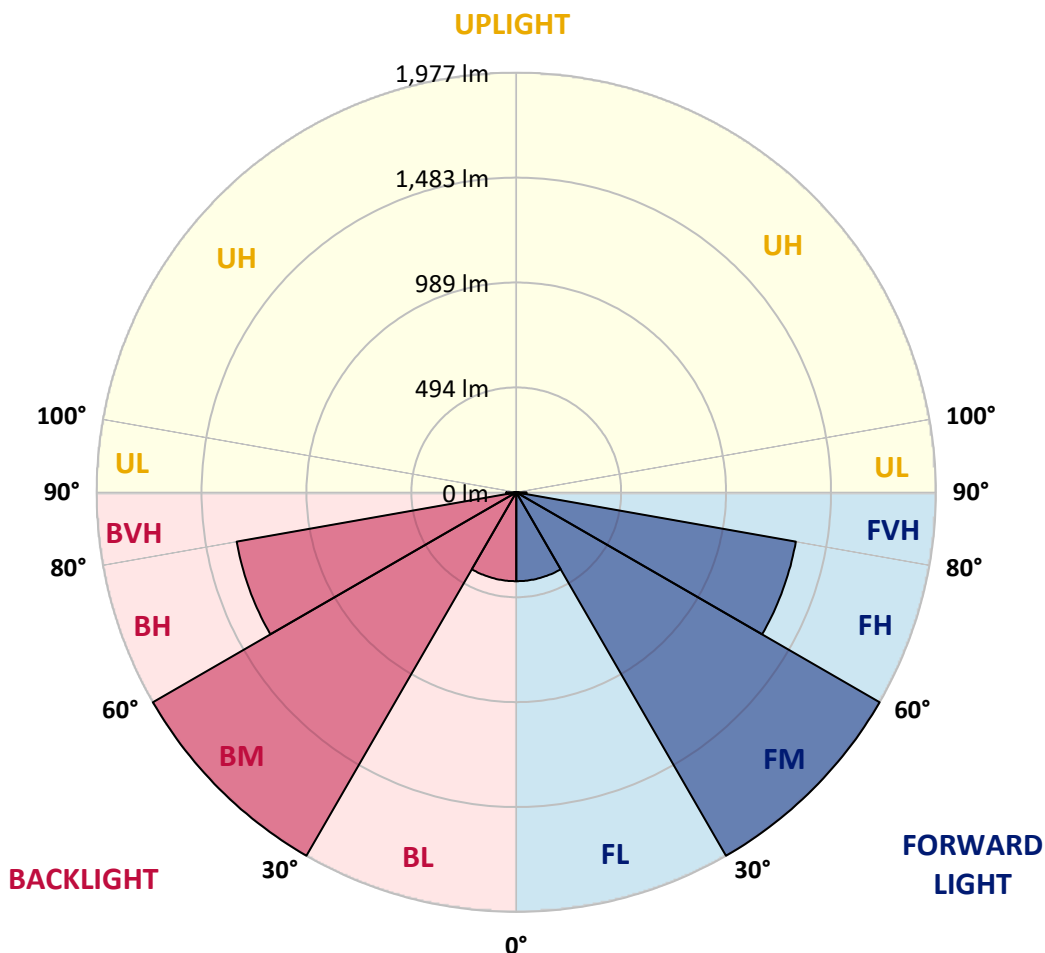


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	418.8	5.5			
FM (30°-60°)	1977.3	26.1			
FH (60°-80°)	1337.8	17.7			G1/1800
FVH (80°-90°)	48.1	0.6			G1/100
BL (0°-30°)	418.8	5.5	B1/500		
BM (30°-60°)	1977.3	26.1	B2/2500		
BH (60°-80°)	1337.8	17.7	B3/2500		G3/2500
BVH (80°-90°)	48.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	786.5	786.5	786.5	786.5	786.5	786.5	786.5	786.5	786.5	786.5	786.5
2.5°	780.9	781.2	782.4	783.9	785.2	788.5	789.3	790.5	791.0	792.3	792.3
5°	774.1	774.6	777.6	781.7	786.2	794.3	800.2	806.8	810.1	813.6	813.4
7.5°	773.3	774.6	778.9	785.5	793.1	806.5	818.7	831.9	840.8	848.9	848.4
10°	781.2	783.2	789.3	799.2	810.6	827.3	845.3	863.1	878.5	891.0	891.5
12.5°	793.1	795.6	805.2	820.2	837.5	859.0	880.3	900.4	921.7	940.2	941.7
15°	808.8	812.1	826.6	848.9	875.2	900.9	923.7	944.2	968.8	994.4	997.0
17.5°	832.1	836.7	855.7	885.9	920.6	948.8	972.6	988.1	1008.6	1035.0	1039.8
20°	867.6	873.5	897.6	933.6	975.9	1005.4	1023.6	1026.9	1037.1	1060.6	1066.2
22.5°	913.8	918.9	945.8	988.6	1036.0	1068.0	1077.6	1064.4	1063.4	1082.5	1087.8
25°	965.3	969.8	1001.0	1049.2	1100.2	1135.5	1135.2	1109.6	1091.8	1106.5	1112.1
27.5°	1023.1	1030.2	1060.1	1110.9	1165.4	1200.1	1198.1	1158.5	1124.8	1128.6	1133.4
30°	1089.6	1097.4	1126.6	1178.1	1232.6	1266.6	1264.0	1211.8	1161.1	1150.9	1154.5
32.5°	1172.0	1181.4	1209.0	1259.7	1307.9	1338.6	1331.3	1269.6	1204.7	1182.6	1185.9
35°	1271.1	1276.7	1305.9	1355.9	1394.9	1416.0	1400.5	1336.6	1260.0	1233.4	1233.4
37.5°	1371.6	1375.9	1408.6	1457.1	1494.8	1506.0	1475.8	1409.9	1332.3	1294.5	1295.2
40°	1468.0	1479.6	1516.4	1566.1	1603.4	1606.4	1566.4	1493.6	1412.7	1373.6	1378.2
42.5°	1568.6	1580.1	1623.9	1680.2	1713.2	1718.3	1671.4	1587.4	1503.5	1471.8	1476.8
45°	1658.4	1667.6	1718.3	1783.7	1824.8	1838.0	1782.4	1694.9	1601.6	1570.7	1571.9
47.5°	1721.1	1733.0	1788.8	1865.9	1925.7	1946.0	1891.5	1799.7	1698.2	1660.7	1664.0
50°	1777.9	1784.2	1840.8	1925.0	2001.1	2042.9	1996.2	1903.2	1795.9	1756.1	1759.6
52.5°	1809.6	1817.7	1872.5	1960.2	2050.3	2117.7	2089.3	1996.2	1890.2	1851.4	1855.7
55°	1787.5	1793.6	1859.3	1968.1	2080.7	2163.9	2168.2	2087.3	1982.8	1948.8	1961.0
57.5°	1687.1	1694.7	1774.8	1917.4	2084.5	2195.1	2227.6	2171.8	2069.3	2041.6	2048.7
60°	1530.1	1534.9	1620.4	1780.7	2010.5	2208.0	2265.3	2240.7	2154.0	2126.4	2136.0
62.5°	1250.4	1257.5	1359.7	1574.5	1854.0	2169.7	2301.9	2297.8	2232.9	2207.5	2216.1
65°	854.7	867.1	980.2	1251.9	1612.8	2052.6	2335.1	2364.3	2302.6	2270.7	2282.1
67.5°	516.1	525.2	607.2	826.6	1234.1	1816.2	2300.8	2439.8	2351.8	2300.3	2309.7
68°	461.3	469.7	538.2	745.9	1141.5	1749.5	2269.7	2448.5	2357.2	2299.8	2308.2
70°	278.7	284.3	330.2	461.1	761.1	1387.8	2056.9	2441.4	2391.1	2306.9	2311.8
72.5°	181.6	183.4	191.0	236.6	388.8	776.1	1543.8	2275.0	2442.1	2348.3	2347.5
75°	150.9	149.9	150.7	156.0	191.7	340.4	902.1	1797.2	2328.0	2283.1	2267.1
77.5°	127.6	126.8	126.6	126.8	128.3	164.3	391.6	1119.5	1781.4	2019.6	2033.8
80°	103.2	102.2	105.5	104.0	99.4	102.2	164.1	465.6	839.7	903.4	846.6
82.5°	75.1	71.3	85.5	81.4	77.6	72.0	90.5	150.4	200.4	137.5	96.6
85°	57.8	53.8	64.9	62.4	53.3	36.8	53.8	73.6	81.2	46.4	36.5
87.5°	23.6	24.9	46.9	37.0	31.2	17.8	22.1	29.4	39.6	19.8	15.2
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)