

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: P317175

Luminaire Tested: **GAN-SA1D-750-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317175
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-750-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8305 lumens
Efficiency: N/A
Efficacy: 124.0 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

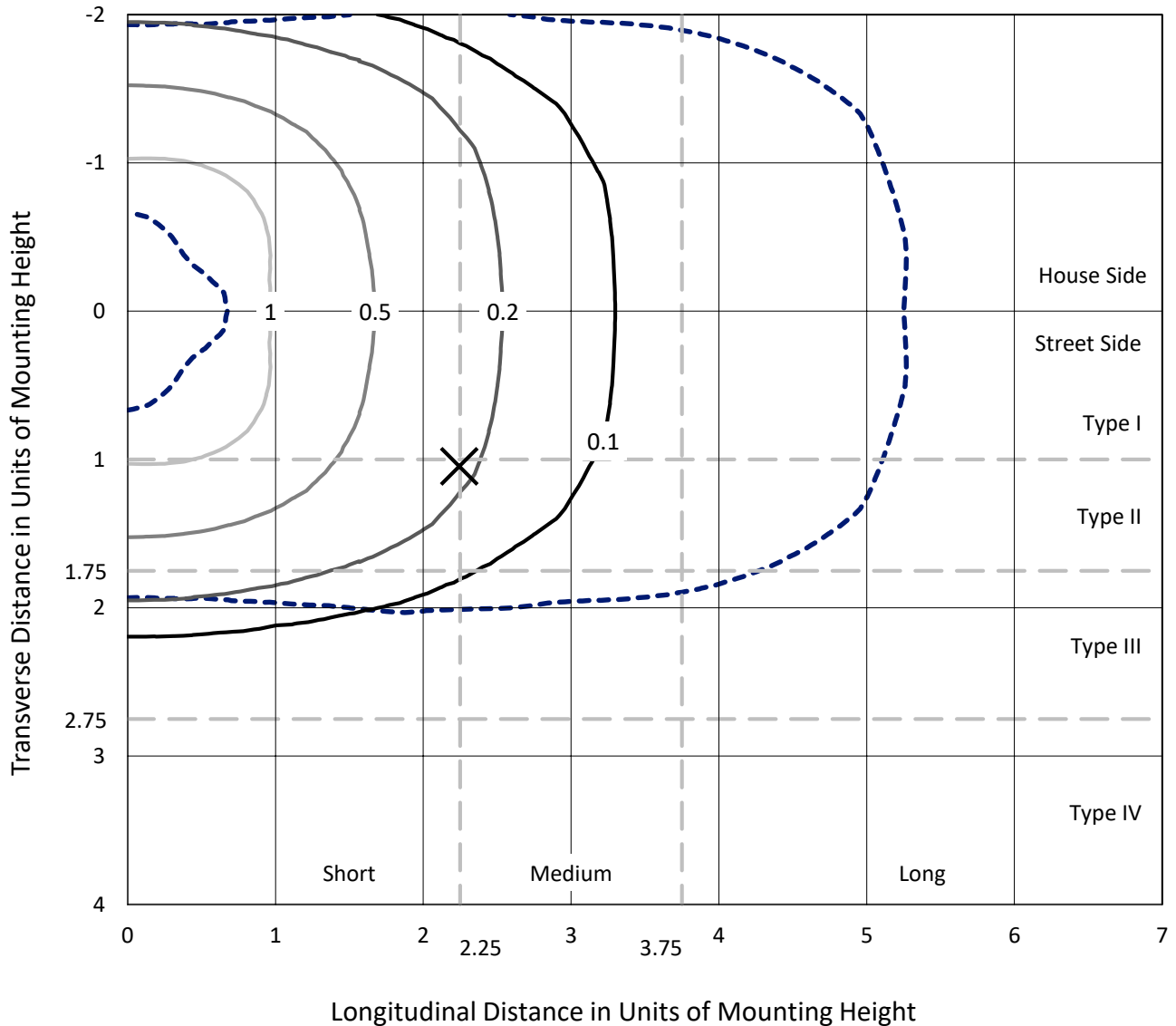
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

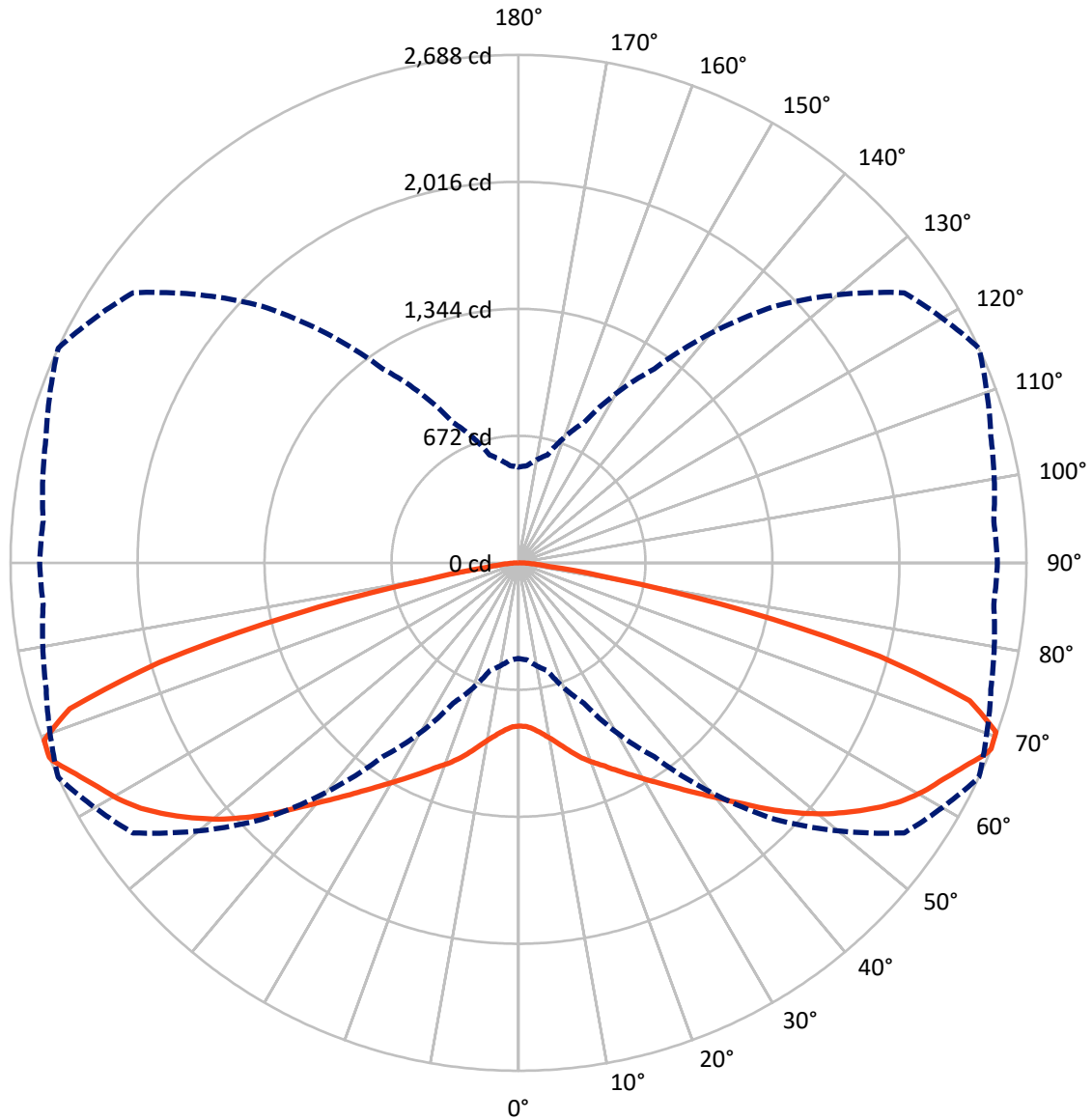
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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	4152.5	0.0	4152.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4152.5	0.0	4152.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8305.0	0.0	8305.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.5	1.0
10°-20°	283.1	3.4
20°-30°	552.0	6.6
30°-40°	927.2	11.2
40°-50°	1461.0	17.6
50°-60°	1953.9	23.5
60°-70°	1899.4	22.9
70°-80°	1038.3	12.5
80°-90°	105.6	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°	8305.0	100.0
0°-180°	8305.0	100.0

Coefficient of Utilization

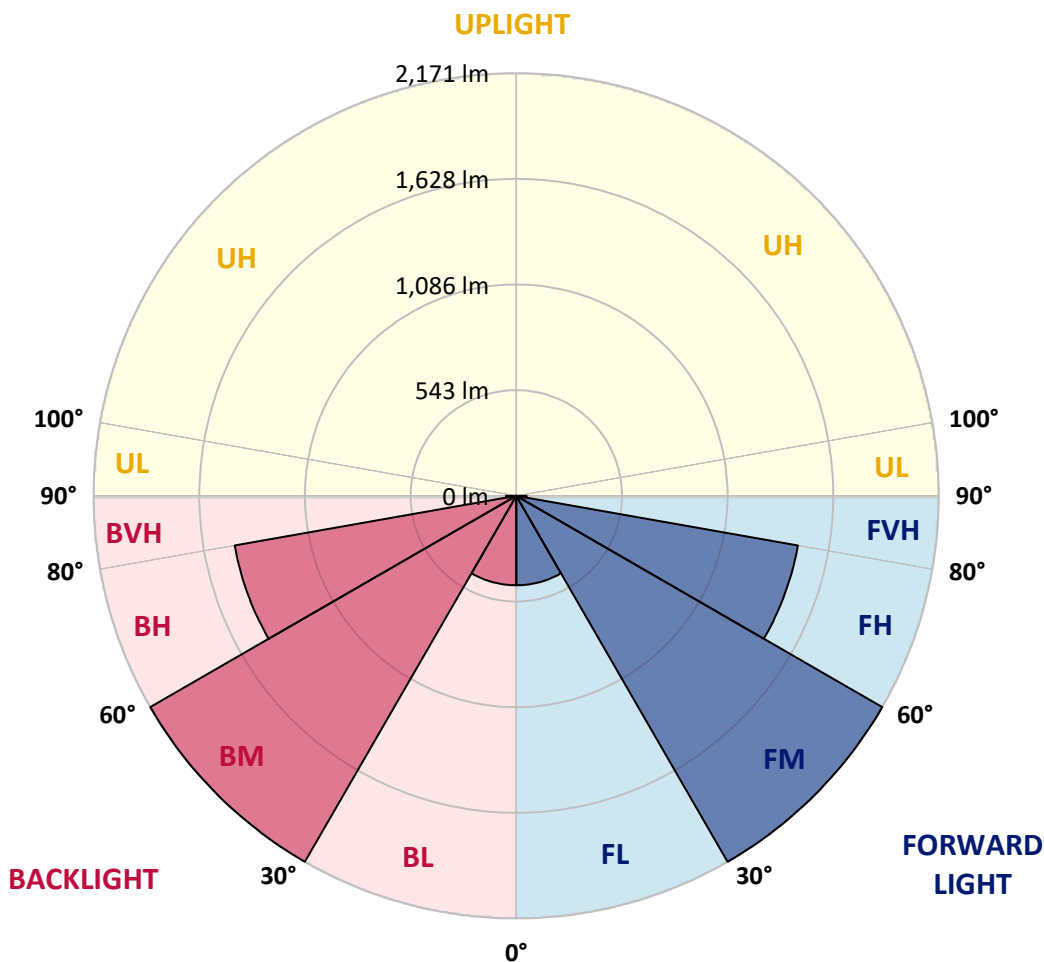


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	459.8	5.5			
FM (30°-60°)	2171.1	26.1			
FH (60°-80°)	1468.8	17.7			G1/1800
FVH (80°-90°)	52.8	0.6			G1/100
BL (0°-30°)	459.8	5.5	B1/500		
BM (30°-60°)	2171.1	26.1	B2/2500		
BH (60°-80°)	1468.8	17.7	B3/2500		G3/2500
BVH (80°-90°)	52.8	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°	863.5	863.5	863.5	863.5	863.5	863.5	863.5	863.5	863.5	863.5	863.5
2.5°	857.4	857.7	859.1	860.7	862.1	865.8	866.6	868.0	868.5	869.9	869.9
5°	849.9	850.4	853.8	858.2	863.2	872.2	878.6	885.8	889.4	893.3	893.0
7.5°	849.0	850.4	855.2	862.4	870.8	885.5	898.9	913.4	923.1	932.0	931.5
10°	857.7	859.9	866.6	877.4	890.0	908.4	928.1	947.6	964.6	978.3	978.8
12.5°	870.8	873.5	884.1	900.6	919.5	943.2	966.6	988.6	1011.9	1032.3	1033.9
15°	888.0	891.6	907.5	932.0	961.0	989.1	1014.2	1036.7	1063.7	1091.9	1094.7
17.5°	913.6	918.7	939.5	972.7	1010.8	1041.7	1067.9	1084.9	1107.5	1136.4	1141.7
20°	952.6	959.0	985.5	1025.0	1071.5	1103.8	1123.9	1127.5	1138.6	1164.5	1170.7
22.5°	1003.3	1008.9	1038.4	1085.5	1137.5	1172.6	1183.2	1168.7	1167.6	1188.5	1194.3
25°	1059.8	1064.9	1099.1	1152.0	1208.0	1246.7	1246.4	1218.3	1198.8	1214.9	1221.1
27.5°	1123.3	1131.1	1164.0	1219.7	1279.6	1317.7	1315.5	1272.0	1235.0	1239.2	1244.5
30°	1196.3	1204.9	1236.9	1293.5	1353.3	1390.7	1387.9	1330.5	1274.8	1263.7	1267.6
32.5°	1286.8	1297.1	1327.4	1383.1	1436.1	1469.7	1461.7	1394.0	1322.7	1298.5	1302.1
35°	1395.7	1401.8	1433.8	1488.7	1531.6	1554.7	1537.7	1467.5	1383.4	1354.2	1354.2
37.5°	1505.9	1510.7	1546.6	1599.8	1641.3	1653.5	1620.4	1548.0	1462.8	1421.3	1422.1
40°	1611.8	1624.6	1665.0	1719.5	1760.5	1763.8	1719.8	1639.9	1551.1	1508.2	1513.2
42.5°	1722.3	1734.8	1783.0	1844.8	1881.0	1886.6	1835.1	1742.9	1650.7	1615.9	1621.5
45°	1820.9	1830.9	1886.6	1958.5	2003.6	2018.0	1957.1	1861.0	1758.5	1724.5	1725.9
47.5°	1889.7	1902.8	1964.0	2048.7	2114.4	2136.7	2076.8	1976.0	1864.6	1823.4	1827.0
50°	1952.1	1959.0	2021.1	2113.6	2197.1	2243.0	2191.8	2089.6	1971.8	1928.1	1932.0
52.5°	1986.9	1995.8	2055.9	2152.3	2251.1	2325.2	2294.0	2191.8	2075.4	2032.8	2037.5
55°	1962.6	1969.3	2041.4	2160.9	2284.5	2375.9	2380.6	2291.8	2177.1	2139.7	2153.1
57.5°	1852.4	1860.7	1948.7	2105.2	2288.7	2410.1	2445.8	2384.5	2272.0	2241.7	2249.5
60°	1680.0	1685.3	1779.1	1955.1	2207.4	2424.3	2487.3	2460.3	2365.0	2334.7	2345.2
62.5°	1372.8	1380.6	1492.9	1728.7	2035.6	2382.3	2527.4	2522.9	2451.6	2423.8	2433.2
65°	938.4	952.1	1076.3	1374.5	1770.8	2253.6	2563.8	2595.9	2528.2	2493.1	2505.6
67.5°	566.7	576.7	666.6	907.5	1355.0	1994.1	2526.2	2678.8	2582.2	2525.7	2536.0
68°	506.5	515.7	590.9	819.0	1253.4	1920.9	2492.0	2688.3	2588.1	2525.1	2534.3
70°	306.0	312.2	362.6	506.3	835.7	1523.8	2258.4	2680.5	2625.4	2532.9	2538.2
72.5°	199.4	201.3	209.7	259.8	426.9	852.1	1695.0	2497.8	2681.4	2578.3	2577.5
75°	165.7	164.6	165.4	171.3	210.5	373.7	990.5	1973.2	2556.0	2506.8	2489.2
77.5°	140.1	139.2	139.0	139.2	140.9	180.4	430.0	1229.2	1955.9	2217.4	2233.0
80°	113.3	112.2	115.8	114.2	109.2	112.2	180.2	511.3	922.0	991.9	929.5
82.5°	82.4	78.2	93.8	89.4	85.2	79.1	99.4	165.1	220.0	150.9	106.1
85°	63.5	59.0	71.3	68.5	58.5	40.4	59.0	80.8	89.1	51.0	40.1
87.5°	25.9	27.3	51.5	40.7	34.3	19.5	24.2	32.3	43.4	21.7	16.7
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)