

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: P317135

Luminaire Tested: **GAN-SA1D-740-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317135
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-740-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8304 lumens
Efficiency: N/A
Efficacy: 123.9 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

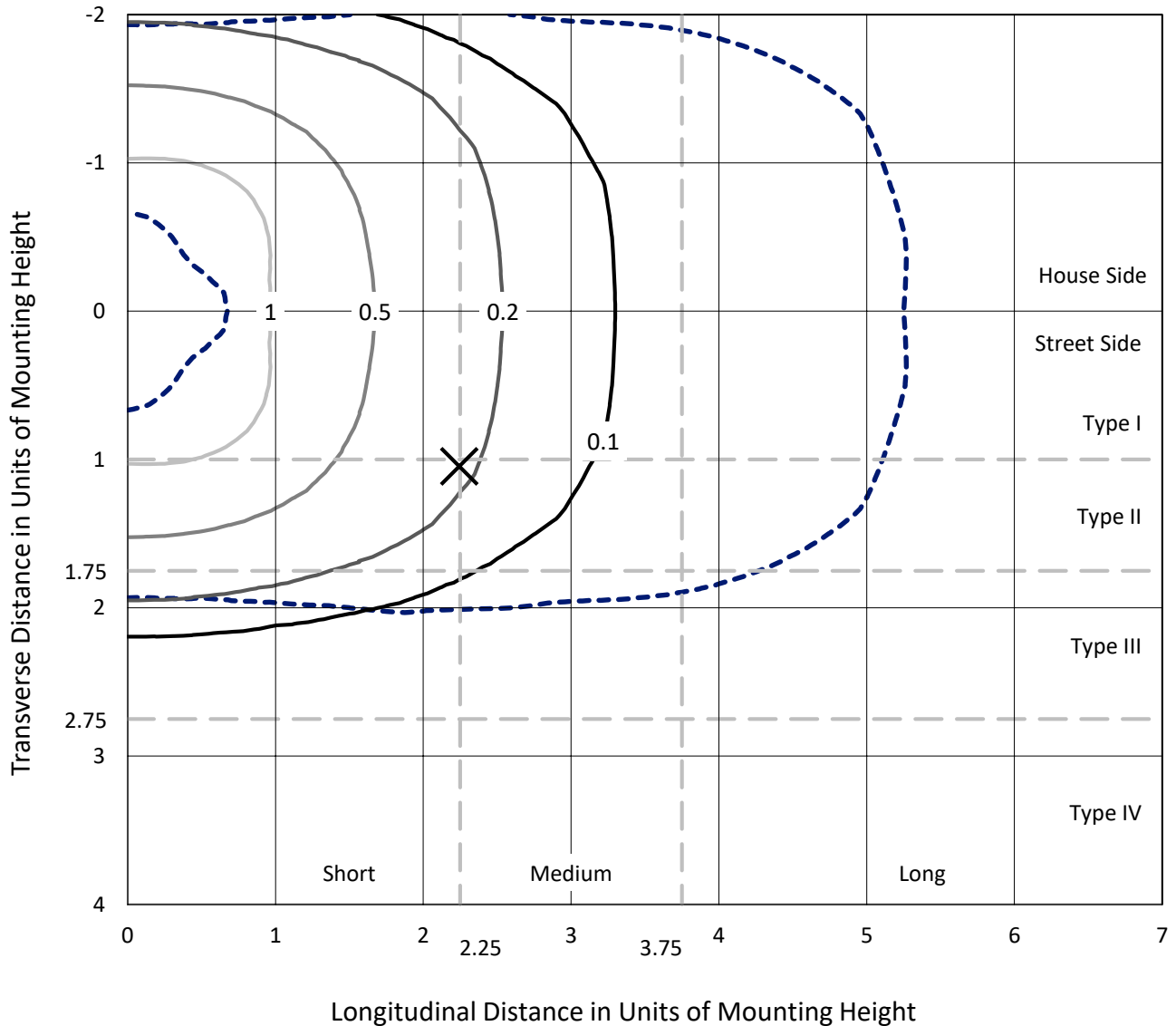
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

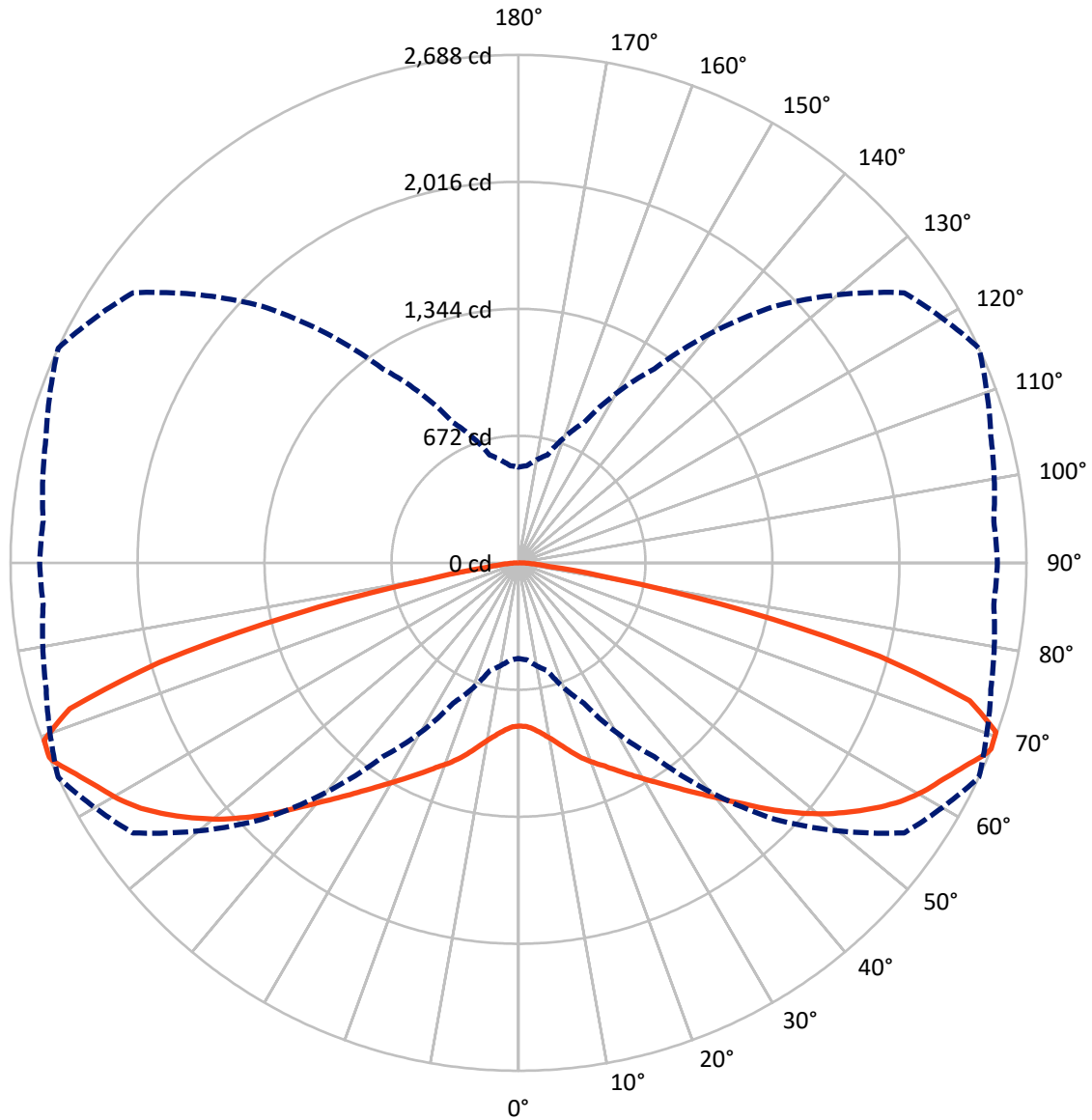
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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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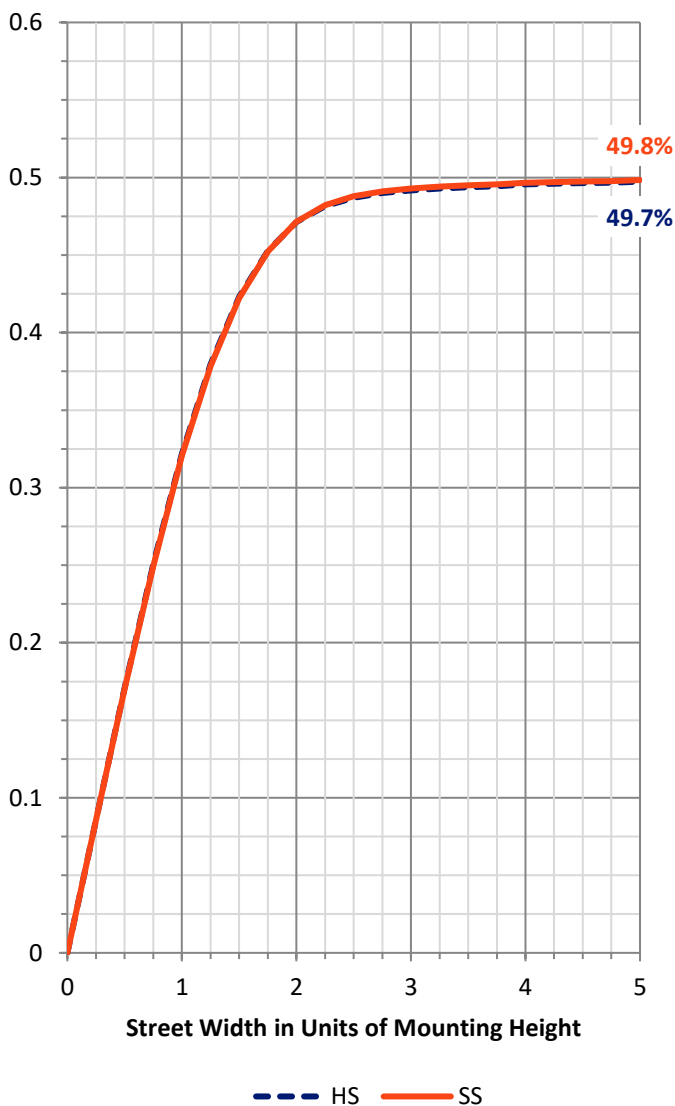
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4152.0	0.0	4152.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4152.0	0.0	4152.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8304.0	0.0	8304.0
	% 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°	551.9	6.6
30°-40°	927.1	11.2
40°-50°	1460.8	17.6
50°-60°	1953.6	23.5
60°-70°	1899.2	22.9
70°-80°	1038.2	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°	8304.0	100.0
0°-180°	8304.0	100.0

Coefficient of Utilization



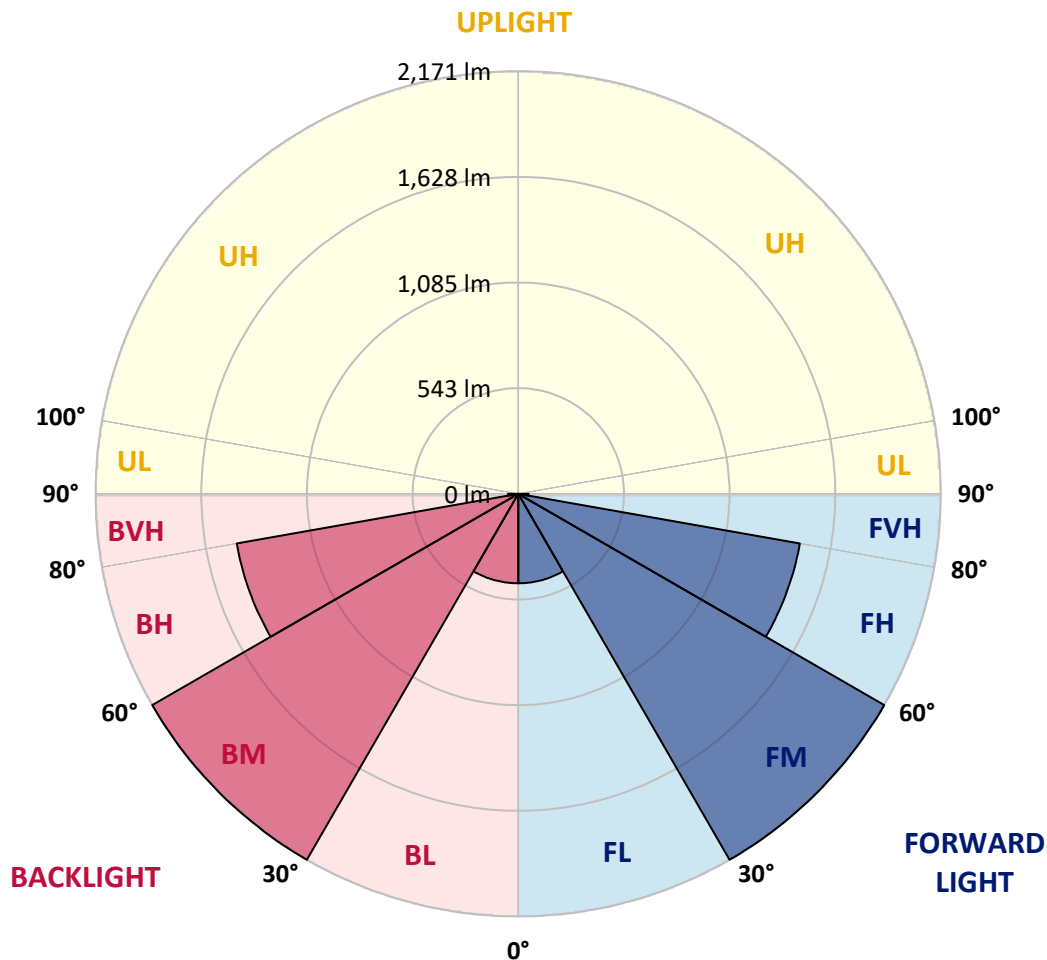
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	459.7	5.5			
FM (30°-60°)	2170.8	26.1			
FH (60°-80°)	1468.7	17.7			G1/1800
FVH (80°-90°)	52.8	0.6			G1/100
BL (0°-30°)	459.7	5.5	B1/500		
BM (30°-60°)	2170.8	26.1	B2/2500		
BH (60°-80°)	1468.7	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°	863.4	863.4	863.4	863.4	863.4	863.4	863.4	863.4	863.4	863.4	863.4
2.5°	857.3	857.6	859.0	860.6	862.0	865.6	866.5	867.9	868.4	869.8	869.8
5°	849.8	850.3	853.7	858.1	863.1	872.1	878.5	885.7	889.3	893.2	892.9
7.5°	848.9	850.3	855.1	862.3	870.7	885.4	898.8	913.3	923.0	931.9	931.4
10°	857.6	859.8	866.5	877.3	889.9	908.2	928.0	947.5	964.5	978.1	978.7
12.5°	870.7	873.4	884.0	900.5	919.4	943.1	966.4	988.4	1011.8	1032.2	1033.8
15°	887.9	891.5	907.4	931.9	960.9	989.0	1014.1	1036.6	1063.6	1091.7	1094.5
17.5°	913.5	918.6	939.4	972.6	1010.7	1041.6	1067.8	1084.8	1107.3	1136.3	1141.6
20°	952.5	958.9	985.4	1024.9	1071.4	1103.7	1123.8	1127.4	1138.5	1164.4	1170.5
22.5°	1003.2	1008.8	1038.3	1085.3	1137.4	1172.5	1183.1	1168.6	1167.5	1188.4	1194.2
25°	1059.7	1064.7	1099.0	1151.9	1207.8	1246.5	1246.3	1218.1	1198.7	1214.8	1220.9
27.5°	1123.2	1131.0	1163.8	1219.5	1279.4	1317.5	1315.3	1271.9	1234.9	1239.0	1244.3
30°	1196.1	1204.8	1236.8	1293.3	1353.2	1390.5	1387.7	1330.4	1274.7	1263.5	1267.4
32.5°	1286.6	1296.9	1327.3	1383.0	1435.9	1469.6	1461.5	1393.8	1322.6	1298.3	1302.0
35°	1395.5	1401.6	1433.7	1488.5	1531.4	1554.5	1537.5	1467.3	1383.3	1354.0	1354.0
37.5°	1505.8	1510.5	1546.4	1599.6	1641.1	1653.3	1620.2	1547.8	1462.6	1421.1	1422.0
40°	1611.6	1624.4	1664.8	1719.3	1760.3	1763.6	1719.6	1639.7	1550.9	1508.0	1513.0
42.5°	1722.1	1734.6	1782.8	1844.6	1880.8	1886.4	1834.9	1742.7	1650.6	1615.7	1621.3
45°	1820.7	1830.7	1886.4	1958.2	2003.3	2017.8	1956.8	1860.8	1758.3	1724.3	1725.7
47.5°	1889.4	1902.5	1963.8	2048.4	2114.1	2136.4	2076.6	1975.8	1864.4	1823.2	1826.8
50°	1951.8	1958.8	2020.9	2113.3	2196.8	2242.8	2191.5	2089.4	1971.6	1927.9	1931.8
52.5°	1986.6	1995.5	2055.7	2152.0	2250.9	2324.9	2293.7	2191.5	2075.2	2032.6	2037.3
55°	1962.4	1969.1	2041.2	2160.6	2284.3	2375.6	2380.3	2291.5	2176.8	2139.5	2152.8
57.5°	1852.1	1860.5	1948.5	2105.0	2288.4	2409.8	2445.5	2384.2	2271.7	2241.4	2249.2
60°	1679.8	1685.1	1778.9	1954.9	2207.1	2424.0	2487.0	2460.0	2364.7	2334.4	2345.0
62.5°	1372.7	1380.5	1492.7	1728.5	2035.3	2382.0	2527.1	2522.6	2451.3	2423.5	2432.9
65°	938.3	952.0	1076.1	1374.3	1770.6	2253.4	2563.5	2595.6	2527.9	2492.8	2505.3
67.5°	566.6	576.6	666.6	907.4	1354.9	1993.9	2525.9	2678.5	2581.9	2525.4	2535.7
68°	506.5	515.7	590.8	818.9	1253.2	1920.6	2491.7	2688.0	2587.8	2524.8	2534.0
70°	306.0	312.1	362.5	506.2	835.6	1523.6	2258.1	2680.2	2625.1	2532.6	2537.9
72.5°	199.4	201.3	209.7	259.8	426.8	852.0	1694.8	2497.5	2681.0	2578.0	2577.2
75°	165.7	164.6	165.4	171.2	210.5	373.7	990.4	1973.0	2555.7	2506.5	2488.9
77.5°	140.1	139.2	138.9	139.2	140.9	180.4	429.9	1229.0	1955.7	2217.2	2232.8
80°	113.3	112.2	115.8	114.2	109.1	112.2	180.1	511.2	921.9	991.8	929.4
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	80.7	89.1	51.0	40.1
87.5°	25.9	27.3	51.5	40.7	34.2	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)