

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: P317115

Luminaire Tested: **GAN-SA1B-740-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317115
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-SA1B-740-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6116 lumens
Efficiency: N/A
Efficacy: 139.0 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

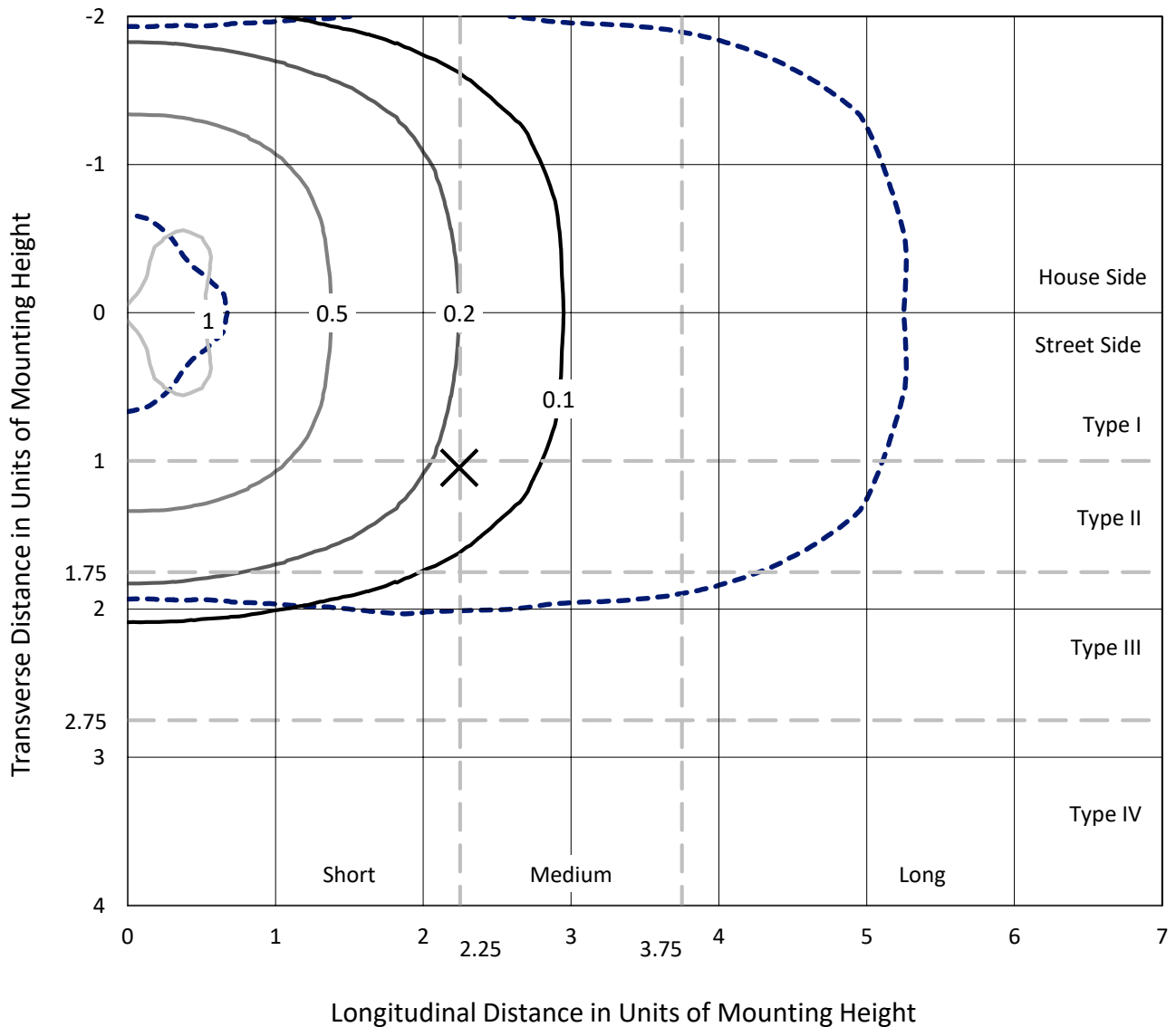
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

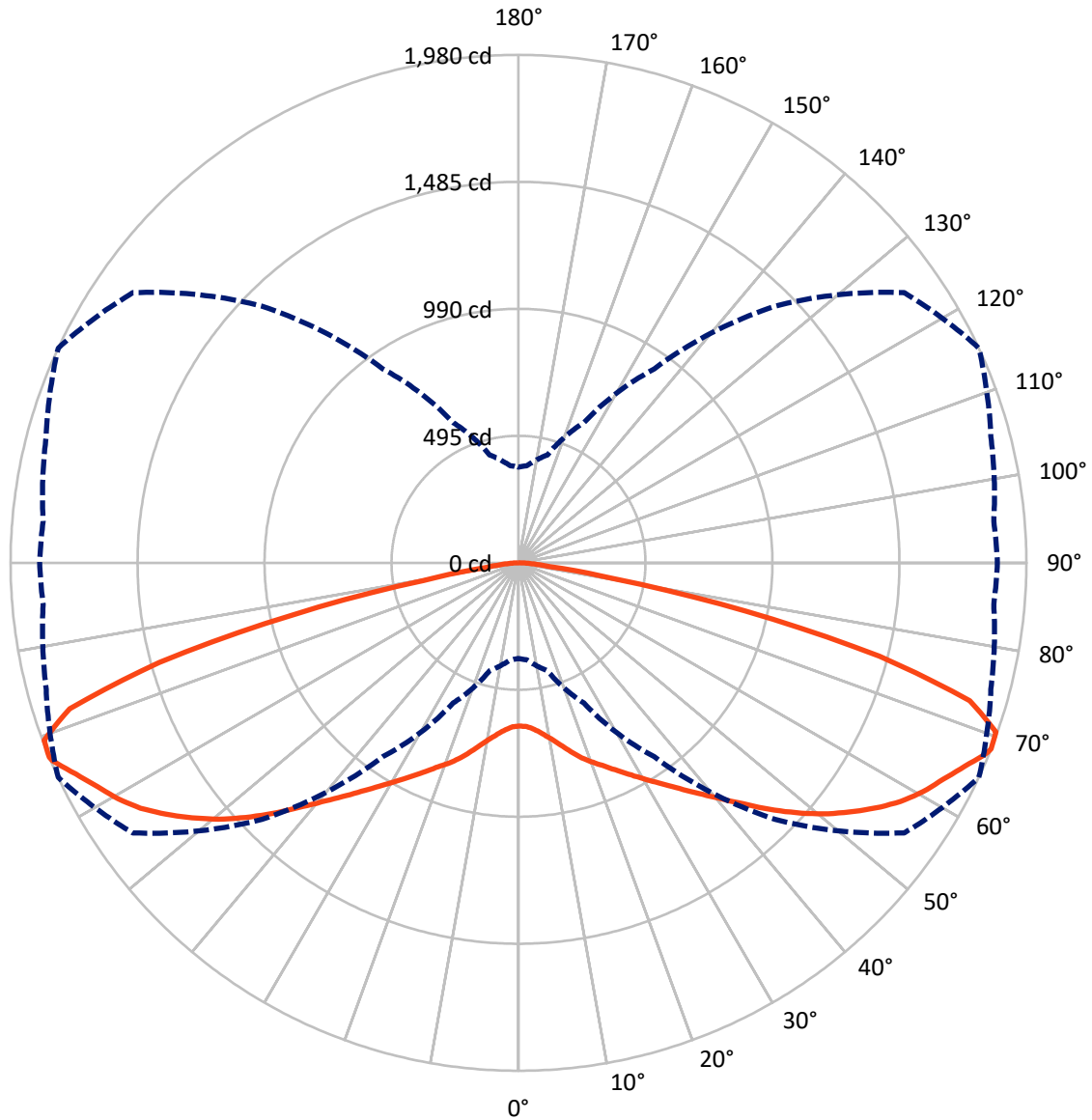
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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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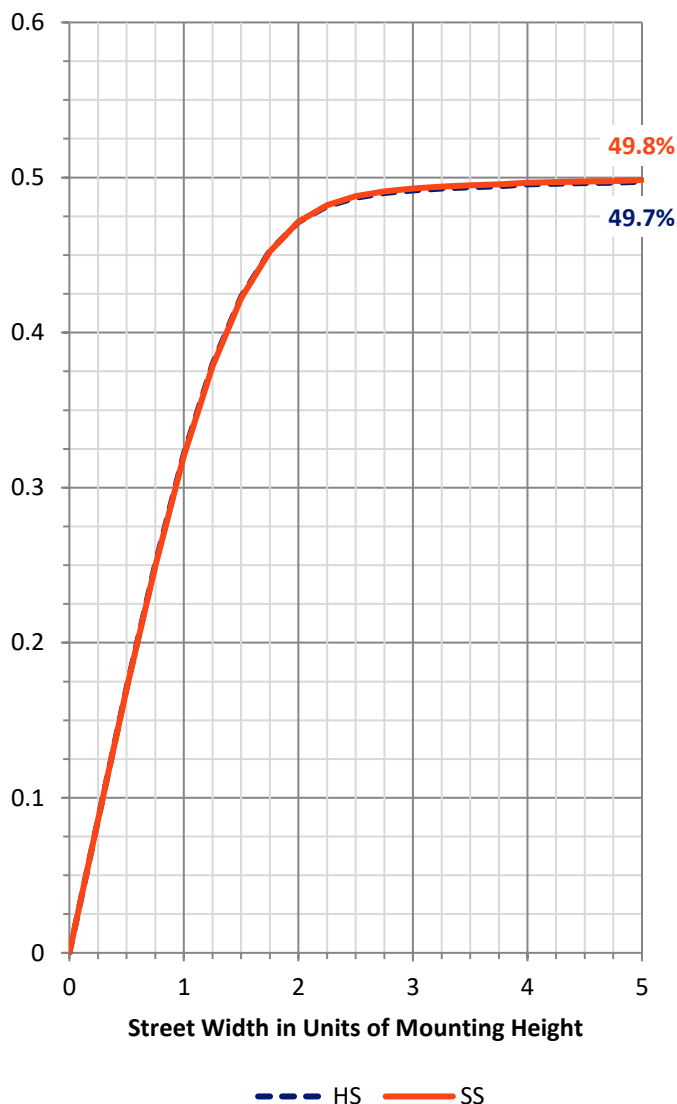
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3058.0	0.0	3058.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3058.0	0.0	3058.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6116.0	0.0	6116.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.3	1.0
10°-20°	208.5	3.4
20°-30°	406.5	6.6
30°-40°	682.8	11.2
40°-50°	1075.9	17.6
50°-60°	1438.9	23.5
60°-70°	1398.8	22.9
70°-80°	764.6	12.5
80°-90°	77.8	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°	6116.0	100.0
0°-180°	6116.0	100.0

Coefficient of Utilization



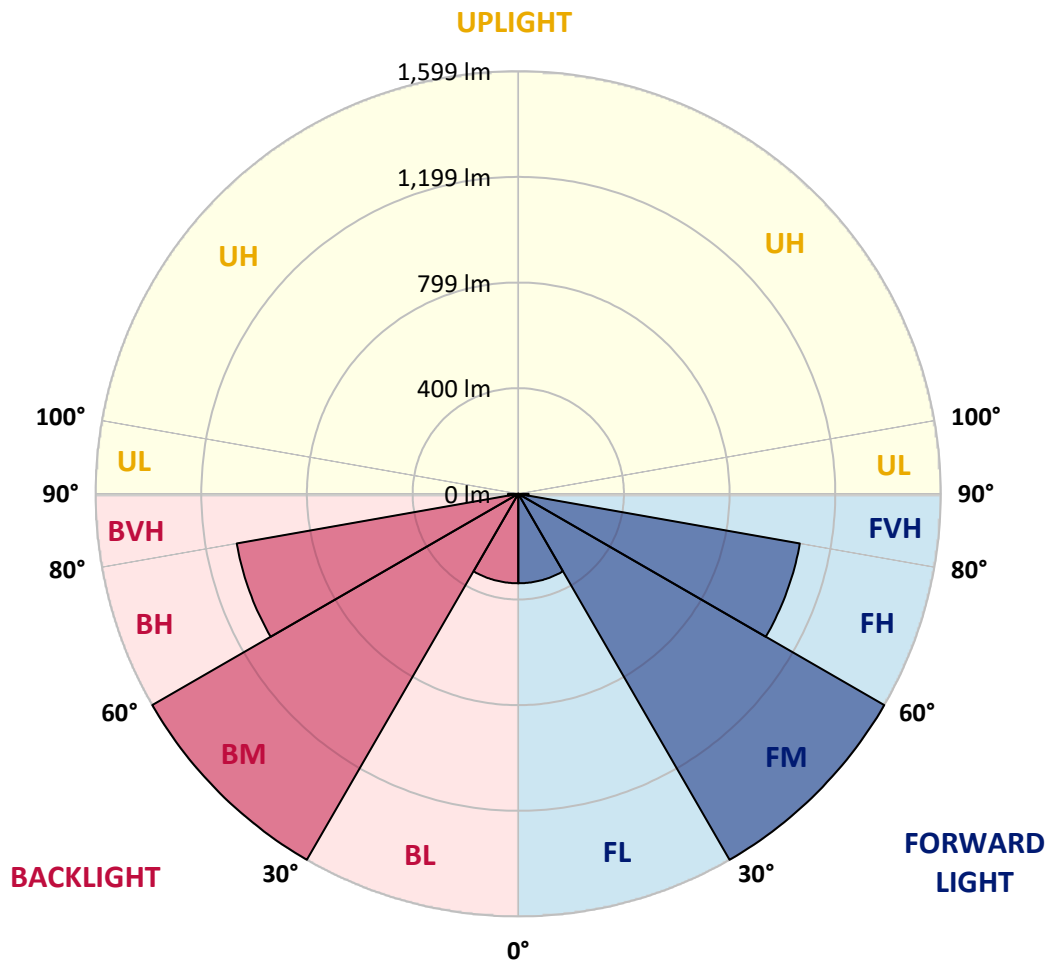
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	338.6	5.5			
FM (30°-60°)	1598.8	26.1			
FH (60°-80°)	1081.7	17.7			G1/1800
FVH (80°-90°)	38.9	0.6			G1/100
BL (0°-30°)	338.6	5.5	B1/500		
BM (30°-60°)	1598.8	26.1	B2/2500		
BH (60°-80°)	1081.7	17.7	B3/2500		G3/2500
BVH (80°-90°)	38.9	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°	635.9	635.9	635.9	635.9	635.9	635.9	635.9	635.9	635.9	635.9	635.9
2.5°	631.4	631.6	632.6	633.9	634.9	637.6	638.2	639.2	639.6	640.6	640.6
5°	625.9	626.3	628.7	632.0	635.7	642.3	647.0	652.3	655.0	657.9	657.7
7.5°	625.3	626.3	629.8	635.1	641.3	652.1	662.0	672.6	679.8	686.4	686.0
10°	631.6	633.3	638.2	646.2	655.4	668.9	683.5	697.9	710.4	720.4	720.8
12.5°	641.3	643.3	651.1	663.2	677.1	694.6	711.8	728.0	745.2	760.2	761.4
15°	654.0	656.6	668.3	686.4	707.7	728.4	746.9	763.5	783.4	804.1	806.1
17.5°	672.8	676.5	691.9	716.3	744.4	767.2	786.4	799.0	815.6	836.9	840.8
20°	701.5	706.3	725.7	754.9	789.1	812.9	827.7	830.3	838.5	857.6	862.1
22.5°	738.9	743.0	764.7	799.4	837.7	863.5	871.3	860.7	859.9	875.2	879.5
25°	780.5	784.2	809.4	848.4	889.6	918.1	917.9	897.2	882.8	894.7	899.2
27.5°	827.2	833.0	857.2	898.2	942.3	970.4	968.7	936.8	909.5	912.6	916.5
30°	881.0	887.3	910.9	952.5	996.6	1024.1	1022.1	979.8	938.8	930.6	933.5
32.5°	947.6	955.2	977.6	1018.6	1057.5	1082.4	1076.4	1026.6	974.1	956.2	958.9
35°	1027.8	1032.3	1055.9	1096.3	1127.9	1144.9	1132.4	1080.7	1018.8	997.3	997.3
37.5°	1109.0	1112.5	1139.0	1178.1	1208.7	1217.7	1193.3	1140.0	1077.2	1046.7	1047.3
40°	1186.9	1196.4	1226.1	1266.3	1296.4	1298.9	1266.5	1207.7	1142.2	1110.7	1114.3
42.5°	1268.4	1277.6	1313.1	1358.6	1385.2	1389.3	1351.4	1283.5	1215.7	1190.0	1194.1
45°	1340.9	1348.3	1389.3	1442.3	1475.5	1486.1	1441.2	1370.5	1295.0	1270.0	1271.0
47.5°	1391.6	1401.2	1446.4	1508.7	1557.1	1573.5	1529.4	1455.2	1373.1	1342.8	1345.5
50°	1437.5	1442.7	1488.4	1556.5	1618.0	1651.8	1614.1	1538.8	1452.1	1419.9	1422.8
52.5°	1463.2	1469.7	1514.0	1585.0	1657.8	1712.3	1689.4	1614.1	1528.4	1497.0	1500.5
55°	1445.3	1450.3	1503.4	1591.3	1682.4	1749.7	1753.1	1687.7	1603.2	1575.8	1585.6
57.5°	1364.1	1370.3	1435.1	1550.3	1685.5	1774.9	1801.1	1756.0	1673.2	1650.8	1656.6
60°	1237.2	1241.1	1310.2	1439.8	1625.6	1785.3	1831.7	1811.8	1741.7	1719.3	1727.1
62.5°	1011.0	1016.7	1099.4	1273.1	1499.1	1754.4	1861.2	1857.9	1805.4	1784.9	1791.9
65°	691.1	701.1	792.6	1012.2	1304.0	1659.6	1888.1	1911.7	1861.8	1836.0	1845.2
67.5°	417.3	424.7	490.9	668.3	997.9	1468.5	1860.4	1972.8	1901.6	1860.0	1867.6
68°	373.0	379.8	435.2	603.1	923.0	1414.6	1835.2	1979.7	1905.9	1859.6	1866.3
70°	225.4	229.9	267.0	372.8	615.4	1122.1	1663.1	1974.0	1933.4	1865.3	1869.2
72.5°	146.8	148.3	154.4	191.3	314.4	627.5	1248.3	1839.5	1974.6	1898.7	1898.1
75°	122.0	121.2	121.8	126.1	155.0	275.2	729.4	1453.1	1882.3	1846.0	1833.1
77.5°	103.1	102.5	102.3	102.5	103.8	132.9	316.6	905.2	1440.4	1633.0	1644.5
80°	83.5	82.6	85.3	84.1	80.4	82.6	132.7	376.5	679.0	730.5	684.5
82.5°	60.7	57.6	69.1	65.8	62.8	58.2	73.2	121.6	162.0	111.1	78.1
85°	46.8	43.5	52.5	50.4	43.1	29.7	43.5	59.5	65.6	37.5	29.5
87.5°	19.1	20.1	37.9	29.9	25.2	14.4	17.8	23.8	32.0	16.0	12.3
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)