

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: P317075

Luminaire Tested: **GAN-SA1B-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317075
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-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5570 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

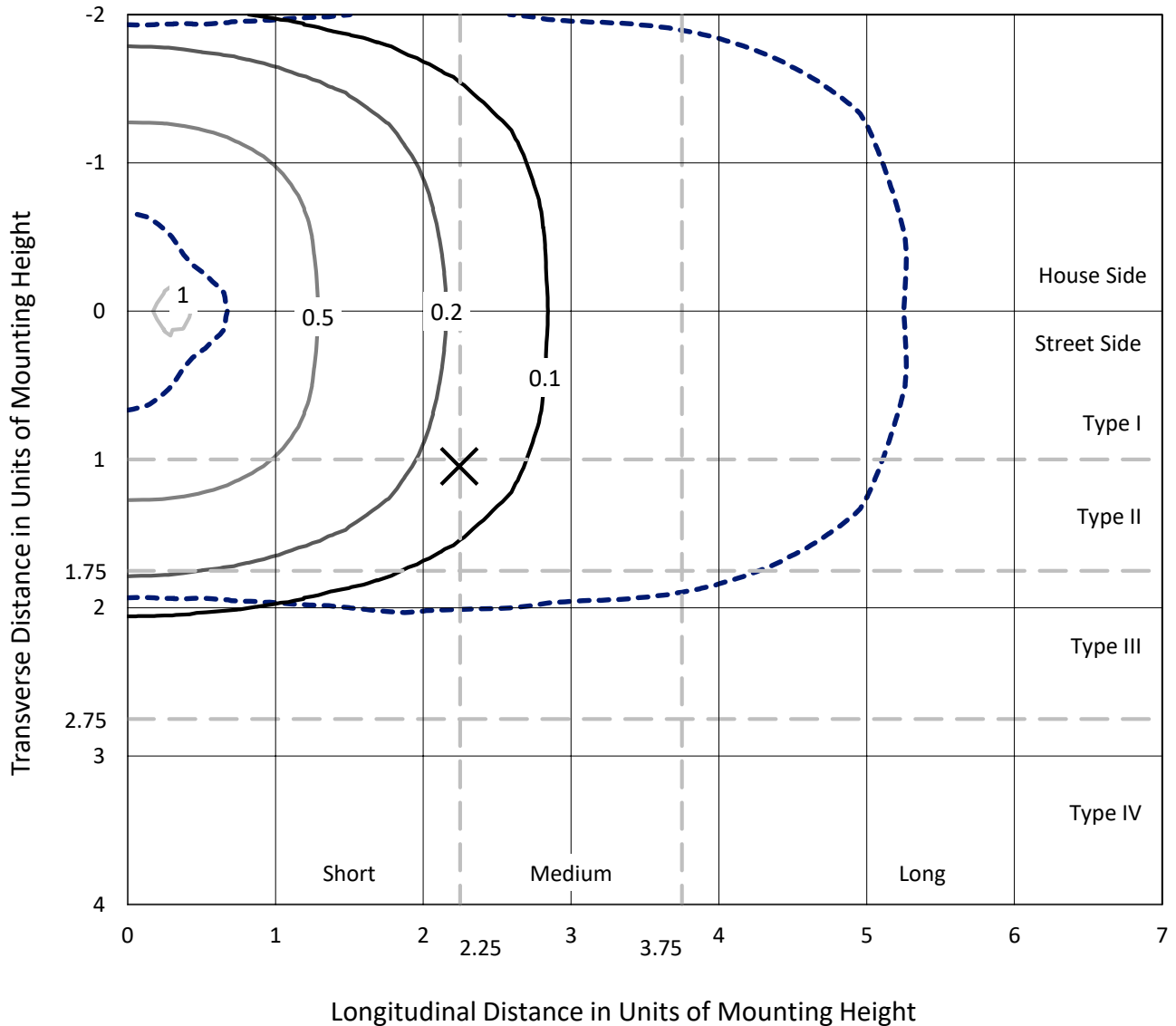
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

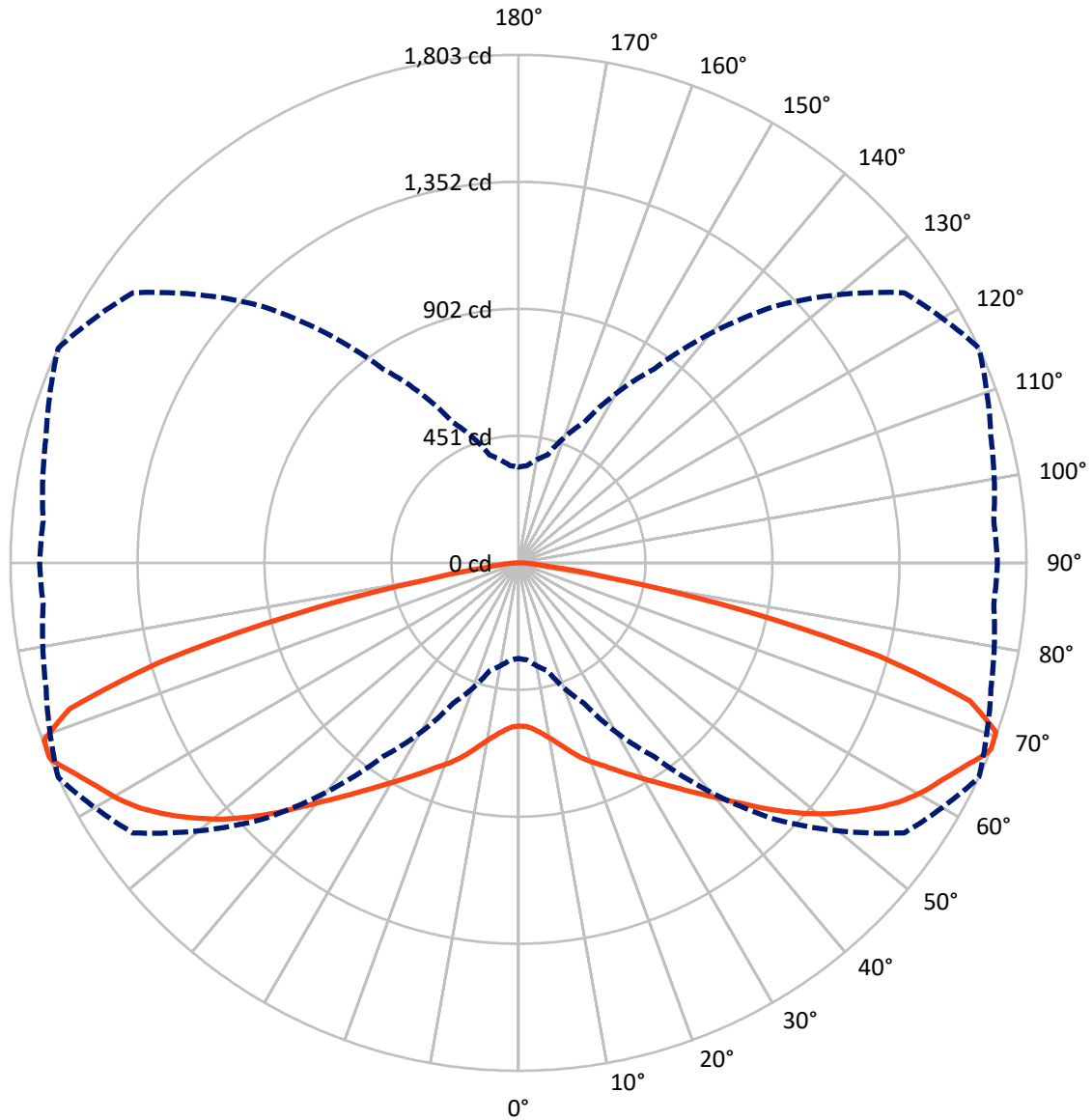
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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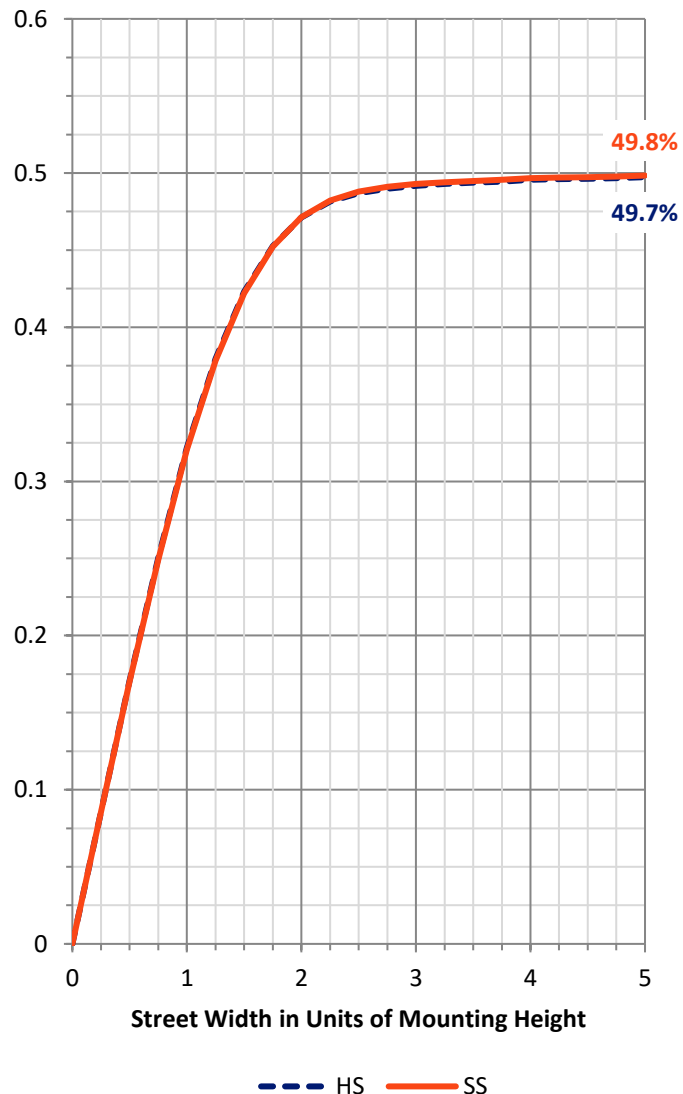
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2785.0	0.0	2785.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2785.0	0.0	2785.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5570.0	0.0	5570.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.7	1.0
10°-20°	189.9	3.4
20°-30°	370.2	6.6
30°-40°	621.9	11.2
40°-50°	979.9	17.6
50°-60°	1310.4	23.5
60°-70°	1273.9	22.9
70°-80°	696.4	12.5
80°-90°	70.8	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°	5570.0	100.0
0°-180°	5570.0	100.0

Coefficient of Utilization

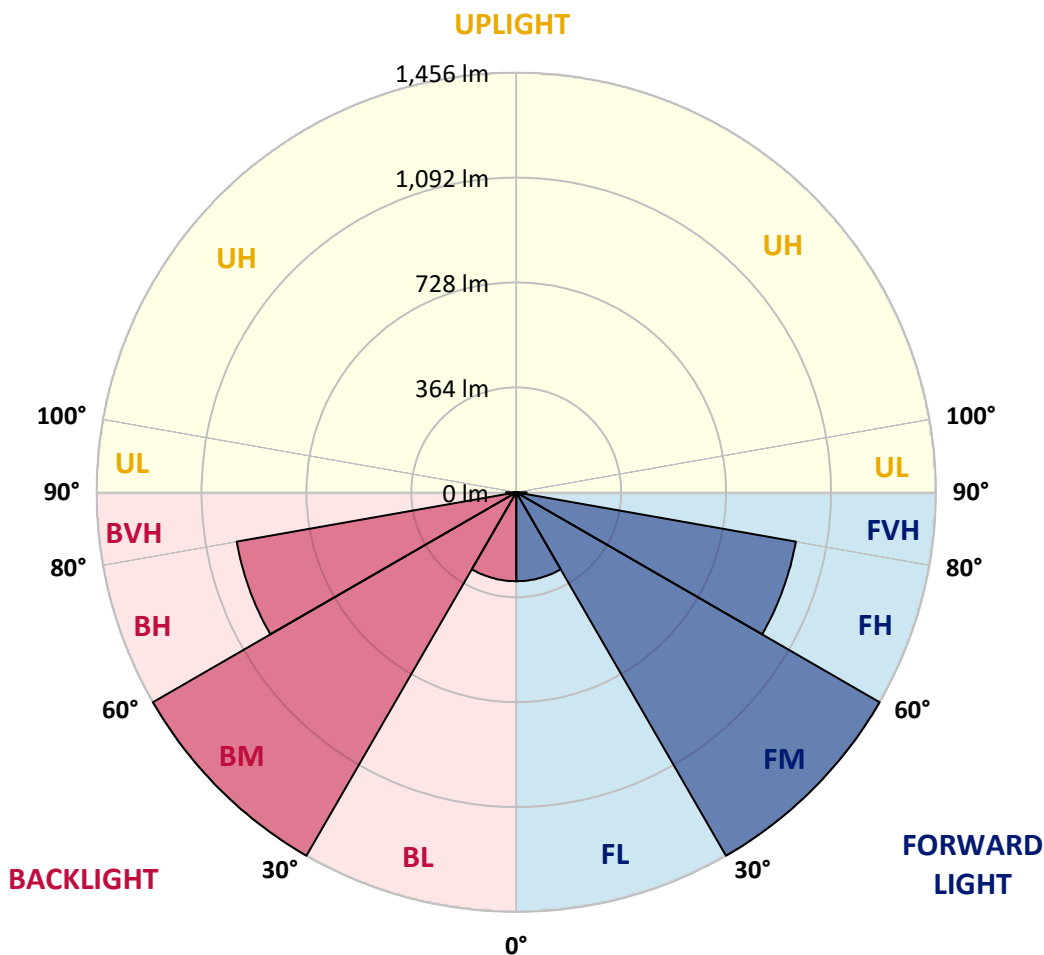


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	308.4	5.5			
FM (30°-60°)	1456.1	26.1			
FH (60°-80°)	985.1	17.7			G1/1800
FVH (80°-90°)	35.4	0.6			G1/100
BL (0°-30°)	308.4	5.5	B1/500		
BM (30°-60°)	1456.1	26.1	B2/2500		
BH (60°-80°)	985.1	17.7	B2/1000		G2/1000
BVH (80°-90°)	35.4	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	579.1	579.1	579.1	579.1	579.1	579.1	579.1	579.1	579.1	579.1	579.1
2.5°	575.0	575.2	576.2	577.3	578.2	580.6	581.2	582.1	582.5	583.4	583.4
5°	570.0	570.4	572.6	575.6	579.0	584.9	589.2	594.1	596.5	599.1	598.9
7.5°	569.4	570.4	573.5	578.4	584.0	593.9	602.9	612.6	619.1	625.1	624.7
10°	575.2	576.7	581.2	588.5	596.9	609.2	622.5	635.6	646.9	656.1	656.5
12.5°	584.0	585.9	593.0	604.0	616.7	632.6	648.3	663.0	678.7	692.3	693.4
15°	595.6	598.0	608.7	625.1	644.5	663.4	680.2	695.3	713.4	732.3	734.2
17.5°	612.8	616.1	630.1	652.4	677.9	698.7	716.2	727.6	742.8	762.2	765.7
20°	638.9	643.2	661.0	687.5	718.7	740.3	753.8	756.2	763.7	781.0	785.1
22.5°	672.9	676.6	696.4	728.0	762.9	786.5	793.6	783.8	783.1	797.1	801.0
25°	710.8	714.2	737.1	772.6	810.2	836.1	835.9	817.1	804.0	814.8	819.0
27.5°	753.4	758.6	780.7	818.0	858.2	883.8	882.3	853.1	828.3	831.1	834.6
30°	802.3	808.1	829.6	867.5	907.7	932.7	930.8	892.3	855.0	847.5	850.1
32.5°	863.0	869.9	890.3	927.6	963.1	985.7	980.3	934.9	887.1	870.9	873.3
35°	936.1	940.2	961.6	998.4	1027.2	1042.7	1031.3	984.2	927.8	908.2	908.2
37.5°	1010.0	1013.2	1037.3	1072.9	1100.8	1109.0	1086.8	1038.2	981.1	953.2	953.8
40°	1081.0	1089.6	1116.6	1153.3	1180.7	1183.0	1153.4	1099.8	1040.3	1011.5	1014.9
42.5°	1155.1	1163.5	1195.8	1237.3	1261.6	1265.3	1230.8	1168.9	1107.1	1083.8	1087.5
45°	1221.2	1228.0	1265.3	1313.5	1343.8	1353.5	1312.6	1248.1	1179.4	1156.6	1157.6
47.5°	1267.4	1276.1	1317.2	1374.0	1418.1	1433.0	1392.9	1325.3	1250.6	1222.9	1225.3
50°	1309.2	1313.9	1355.5	1417.5	1473.6	1504.4	1470.0	1401.5	1322.5	1293.1	1295.8
52.5°	1332.5	1338.5	1378.9	1443.5	1509.8	1559.5	1538.5	1470.0	1391.9	1363.4	1366.5
55°	1316.3	1320.8	1369.2	1449.3	1532.2	1593.5	1596.6	1537.1	1460.1	1435.1	1444.0
57.5°	1242.3	1247.9	1307.0	1411.9	1535.0	1616.4	1640.3	1599.2	1523.8	1503.4	1508.7
60°	1126.7	1130.3	1193.2	1311.3	1480.5	1625.9	1668.2	1650.0	1586.2	1565.8	1572.9
62.5°	920.7	926.0	1001.2	1159.4	1365.2	1597.7	1695.1	1692.1	1644.3	1625.6	1631.9
65°	629.4	638.5	721.8	921.9	1187.6	1511.5	1719.5	1741.0	1695.6	1672.1	1680.5
67.5°	380.1	386.8	447.1	608.7	908.8	1337.4	1694.3	1796.7	1731.8	1693.9	1700.8
68°	339.7	345.9	396.3	549.3	840.6	1288.3	1671.3	1803.0	1735.8	1693.6	1699.7
70°	205.3	209.4	243.2	339.5	560.5	1022.0	1514.6	1797.8	1760.8	1698.8	1702.3
72.5°	133.7	135.0	140.6	174.2	286.3	571.5	1136.8	1675.3	1798.3	1729.2	1728.7
75°	111.1	110.4	110.9	114.9	141.2	250.6	664.3	1323.4	1714.3	1681.2	1669.5
77.5°	93.9	93.4	93.2	93.4	94.5	121.0	288.4	824.4	1311.8	1487.2	1497.6
80°	76.0	75.3	77.7	76.6	73.2	75.3	120.8	342.9	618.4	665.2	623.4
82.5°	55.3	52.5	62.9	60.0	57.1	53.0	66.7	110.7	147.5	101.2	71.2
85°	42.6	39.6	47.8	45.9	39.2	27.1	39.6	54.2	59.8	34.2	26.9
87.5°	17.4	18.3	34.6	27.3	23.0	13.1	16.2	21.7	29.1	14.6	11.2
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)