

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: P316755

Luminaire Tested: **GAN-SA1B-730-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316755
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1B-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5621 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

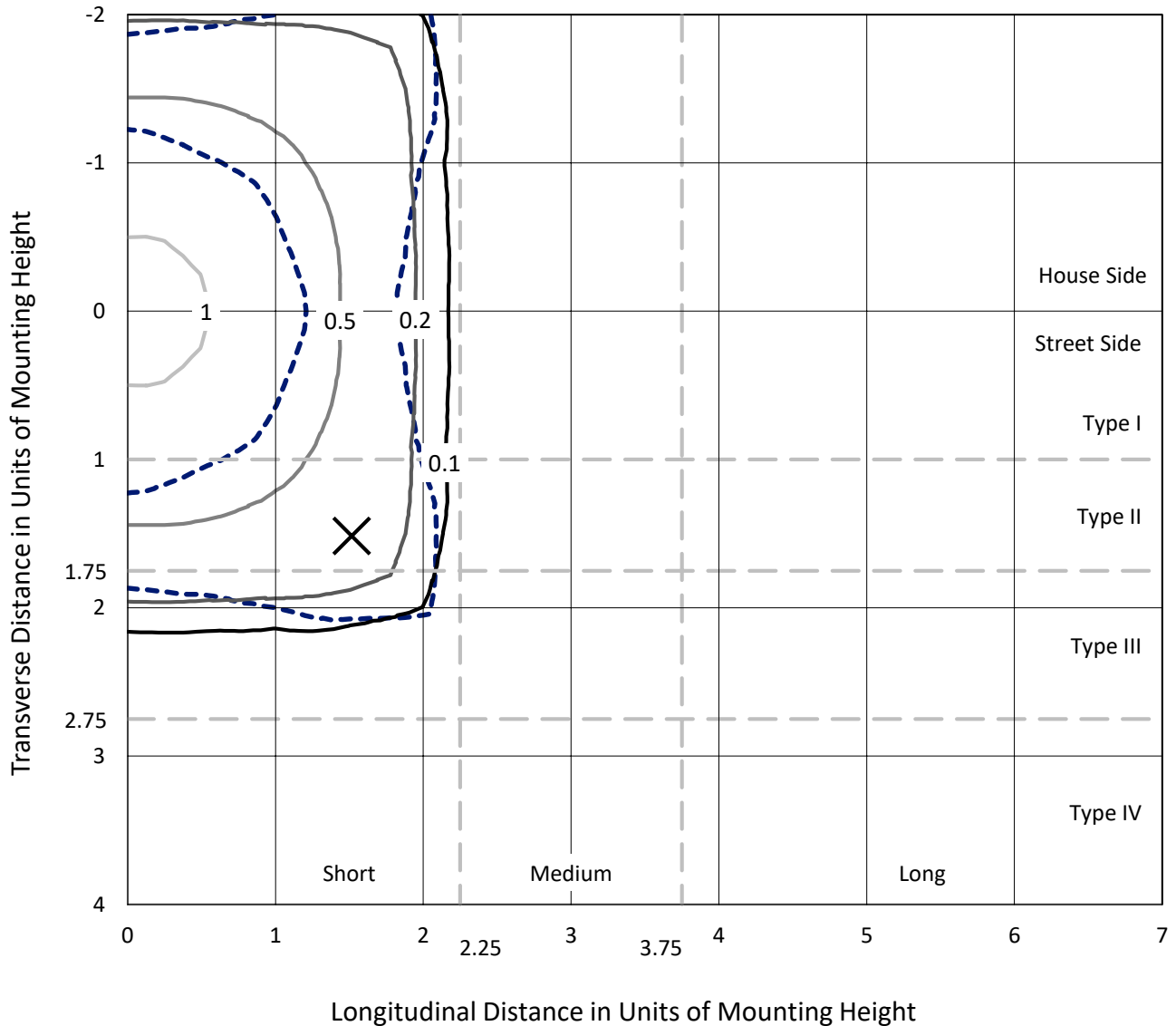
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

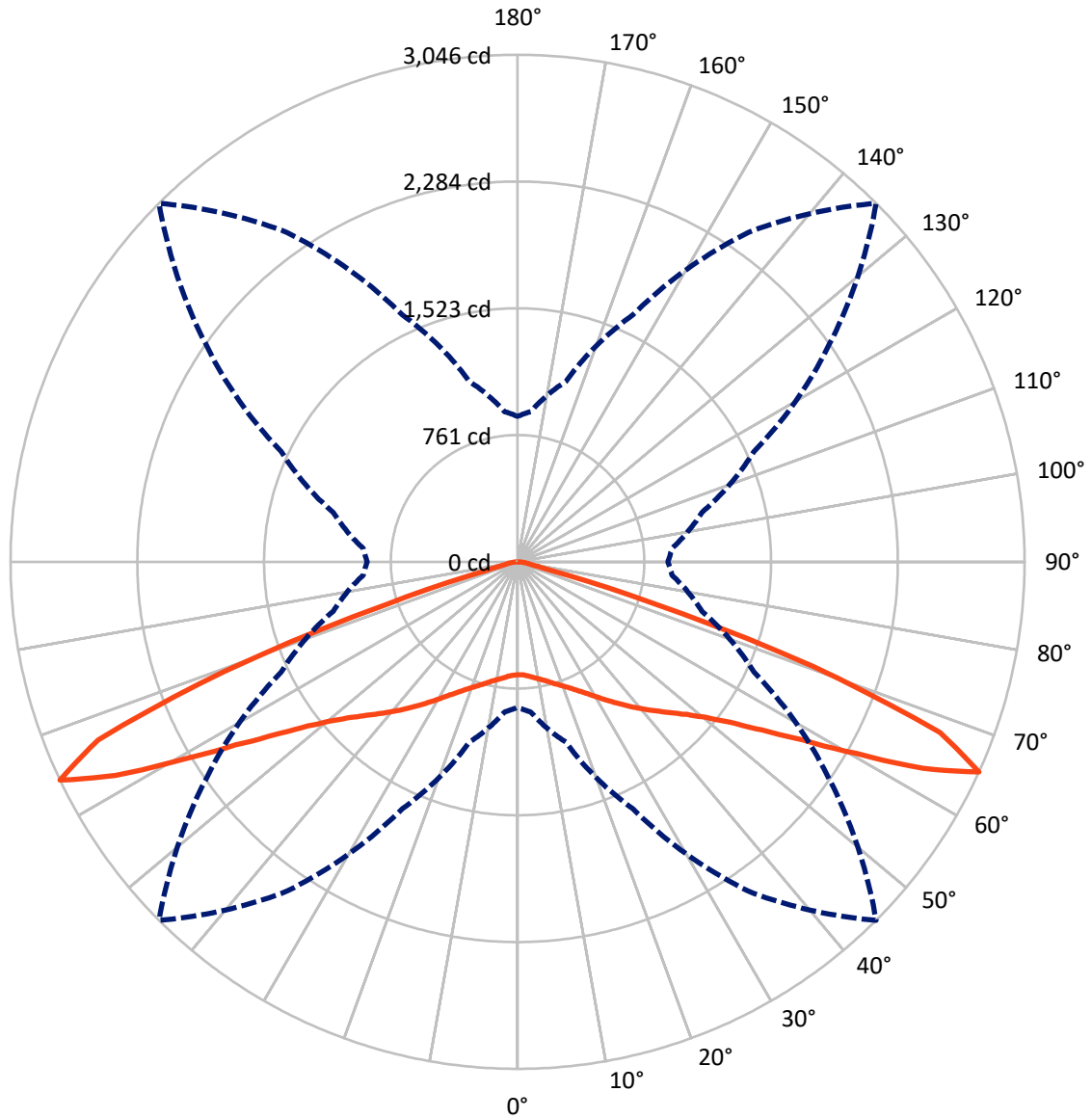
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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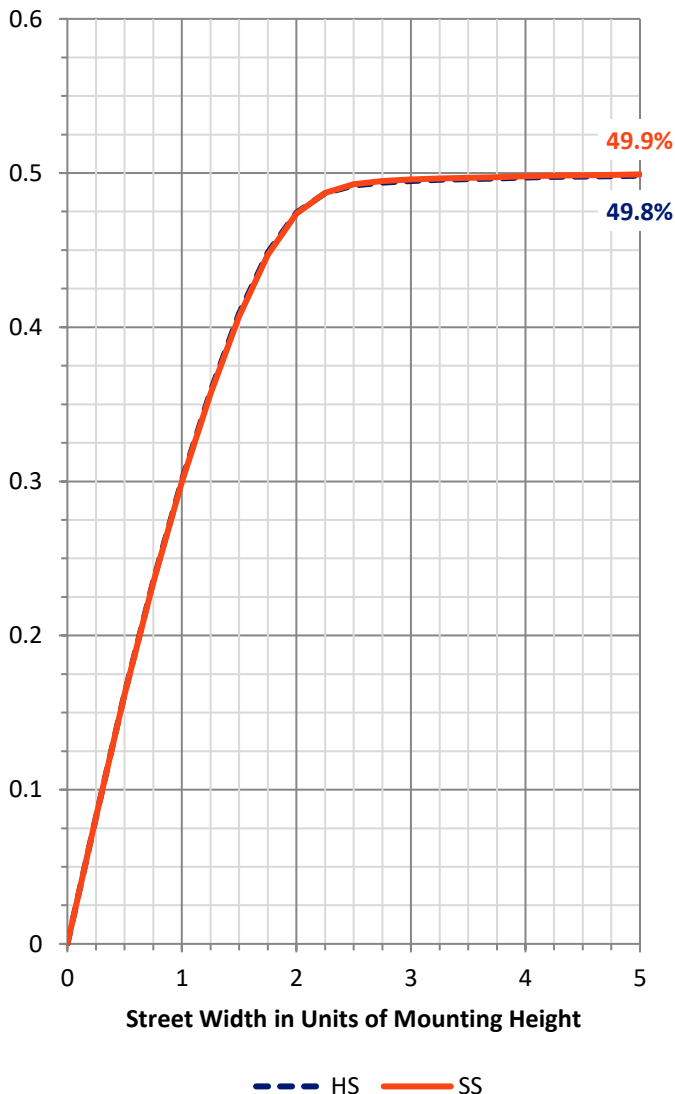
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2810.5	0.0	2810.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2810.5	0.0	2810.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5621.0	0.0	5621.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.6	1.2
10°-20°	214.1	3.8
20°-30°	401.6	7.1
30°-40°	664.2	11.8
40°-50°	1028.8	18.3
50°-60°	1577.9	28.1
60°-70°	1472.3	26.2
70°-80°	171.4	3.0
80°-90°	24.1	0.4
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°	5621.0	100.0
0°-180°	5621.0	100.0

Coefficient of Utilization

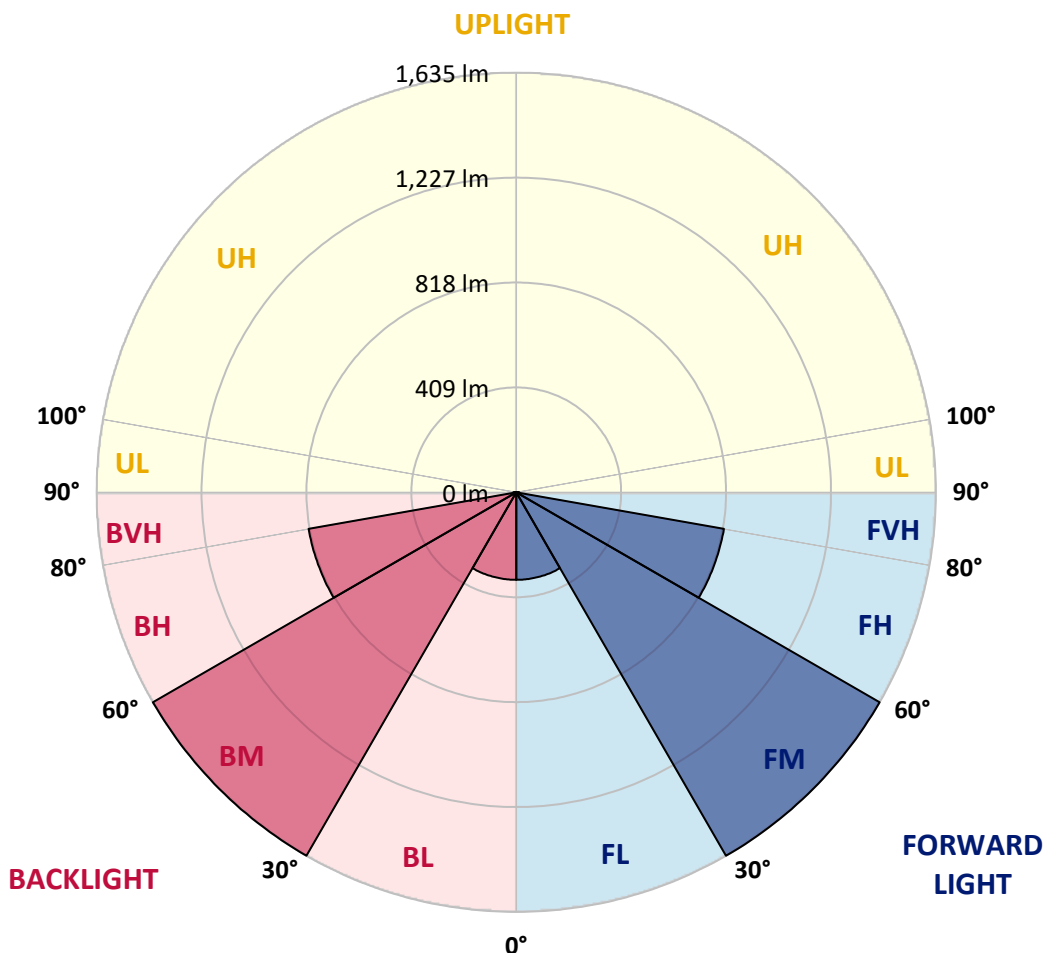


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	341.2	6.1			
FM (30°-60°)	1635.5	29.1			
FH (60°-80°)	821.9	14.6			G1/1800
FVH (80°-90°)	12.0	0.2			G1/100
BL (0°-30°)	341.2	6.1	B1/500		
BM (30°-60°)	1635.5	29.1	B2/2500		
BH (60°-80°)	821.9	14.6	B2/1000		G1/1800
BVH (80°-90°)	12.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	678.8	678.8	678.8	678.8	678.8	678.8	678.8	678.8	678.8	678.8	678.8
2.5°	681.0	680.7	681.0	681.2	680.1	680.7	680.5	681.4	681.8	681.4	681.4
5°	688.9	688.3	689.1	690.0	688.5	688.9	688.3	689.4	689.8	689.1	689.6
7.5°	699.7	699.9	700.6	702.3	701.4	702.1	701.0	701.2	701.0	699.9	700.1
10°	711.5	711.6	713.0	715.2	715.6	715.6	714.8	714.3	713.5	712.8	713.0
12.5°	725.6	726.6	727.5	730.3	730.3	731.8	731.4	729.9	728.6	727.5	727.5
15°	744.9	744.7	745.8	748.6	749.9	752.3	752.3	750.3	748.6	747.5	747.1
17.5°	765.0	765.6	766.3	769.7	771.7	774.5	774.9	773.2	772.1	770.6	769.7
20°	788.5	789.5	792.4	793.7	795.6	798.2	799.2	798.8	797.7	796.9	797.1
22.5°	815.9	818.4	820.2	822.1	824.3	826.2	827.1	828.5	827.3	826.8	826.4
25°	849.2	850.8	854.6	857.9	859.4	860.0	861.1	863.0	862.8	861.5	861.5
27.5°	886.9	890.0	894.7	899.5	899.5	897.7	901.4	904.6	903.5	901.8	899.5
30°	932.6	935.6	941.0	947.7	944.3	943.0	948.1	953.8	952.2	949.4	949.0
32.5°	981.8	984.6	991.7	999.0	994.7	992.8	998.2	1006.6	1003.7	998.1	994.7
35°	1035.2	1038.0	1048.1	1056.8	1049.6	1046.4	1050.9	1060.0	1054.8	1044.3	1041.7
37.5°	1093.2	1094.7	1107.8	1116.7	1111.7	1103.3	1108.9	1115.6	1111.1	1098.4	1093.4
40°	1153.5	1158.9	1174.0	1184.5	1175.7	1162.4	1171.8	1181.1	1174.4	1158.2	1149.6
42.5°	1223.8	1227.9	1248.1	1257.4	1243.2	1224.6	1237.3	1250.0	1243.2	1227.6	1220.1
45°	1297.0	1303.3	1327.4	1336.7	1316.2	1292.5	1308.0	1330.2	1329.6	1307.0	1299.2
47.5°	1376.6	1383.0	1411.7	1424.0	1401.8	1370.1	1391.9	1423.3	1421.1	1396.2	1389.9
50°	1468.6	1475.4	1511.2	1526.7	1506.0	1469.0	1501.8	1529.5	1525.4	1494.8	1495.3
52.5°	1584.1	1583.8	1628.4	1655.2	1634.0	1601.3	1631.5	1658.4	1641.4	1599.1	1597.8
55°	1685.3	1691.4	1746.6	1797.6	1796.3	1783.8	1795.9	1797.0	1748.5	1692.2	1685.3
57.5°	1751.7	1763.4	1841.2	1933.4	2002.5	2019.1	1995.6	1924.3	1810.6	1720.5	1709.5
60°	1710.8	1728.7	1851.0	2038.8	2242.2	2339.8	2207.1	1986.0	1762.3	1636.7	1621.8
62.5°	1435.0	1465.3	1644.2	1987.9	2448.6	2733.9	2360.5	1887.0	1570.1	1397.2	1371.6
65°	874.0	905.9	1121.6	1636.2	2415.2	3045.9	2290.6	1566.2	1146.0	930.9	903.3
67.5°	291.3	300.6	427.7	904.4	1898.2	2736.7	1901.3	937.6	498.7	330.6	320.9
70°	114.0	114.9	135.6	262.2	896.4	1879.7	989.1	266.8	141.8	112.1	114.6
72.5°	83.8	84.2	89.9	109.5	233.6	828.1	242.0	110.1	87.5	78.6	78.6
75°	67.4	67.4	71.5	79.9	104.7	189.9	106.2	78.9	68.5	62.7	61.9
77.5°	53.2	54.3	57.5	62.9	70.9	91.4	73.5	62.5	55.2	49.8	48.7
80°	39.6	40.7	45.9	48.5	50.9	63.4	54.3	48.9	43.7	37.3	36.2
82.5°	25.9	27.1	33.6	35.1	34.5	41.4	36.6	36.0	32.1	24.1	23.0
85°	17.0	17.4	22.4	23.3	21.5	18.8	23.3	24.6	22.4	15.7	15.1
87.5°	8.0	8.0	11.4	10.6	9.7	7.8	10.6	12.5	12.7	7.7	7.5
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)