

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: P316435

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316435
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1B-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5725 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

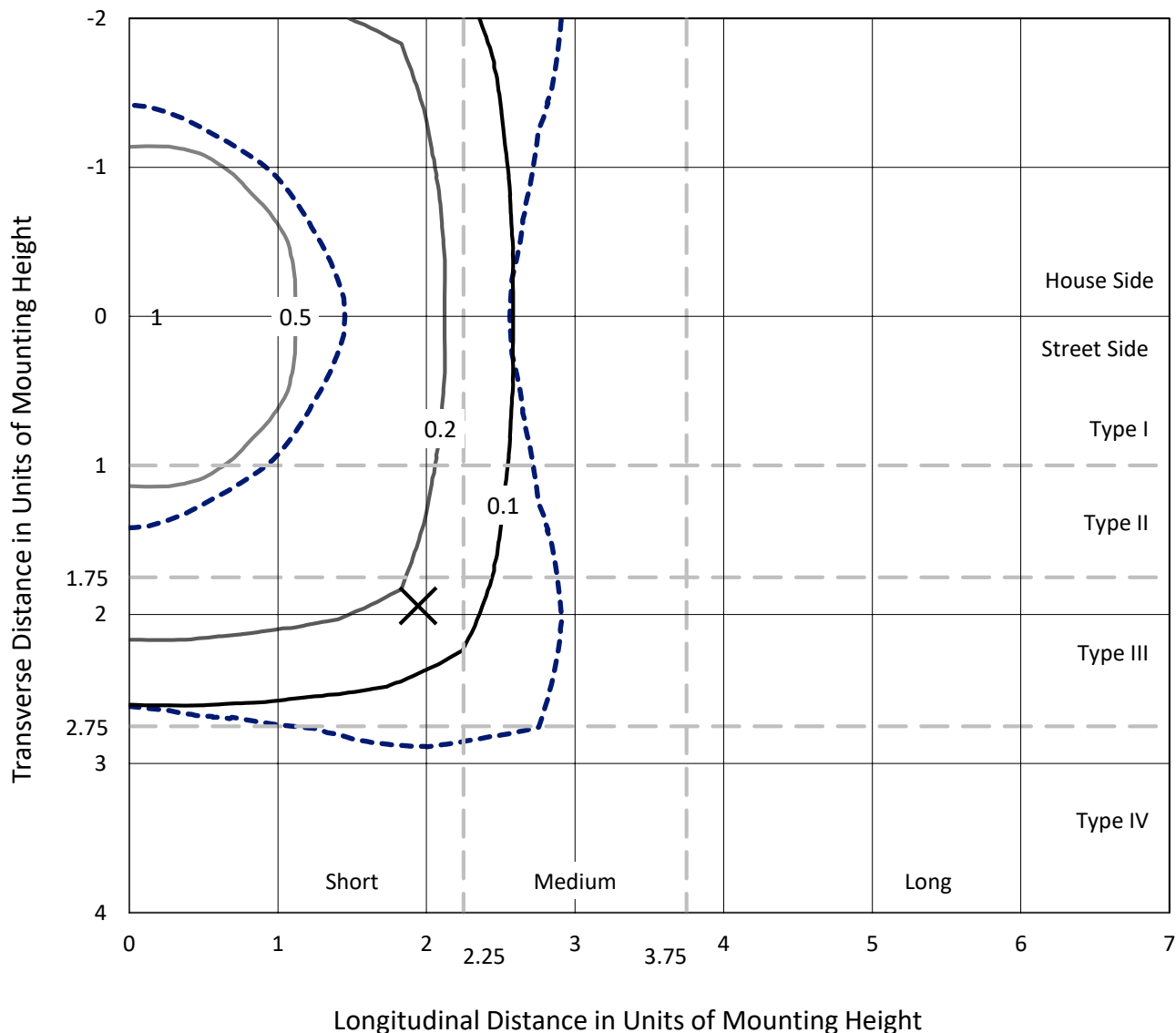
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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 CATALOG NUMBER: GAN-SA1B-730-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

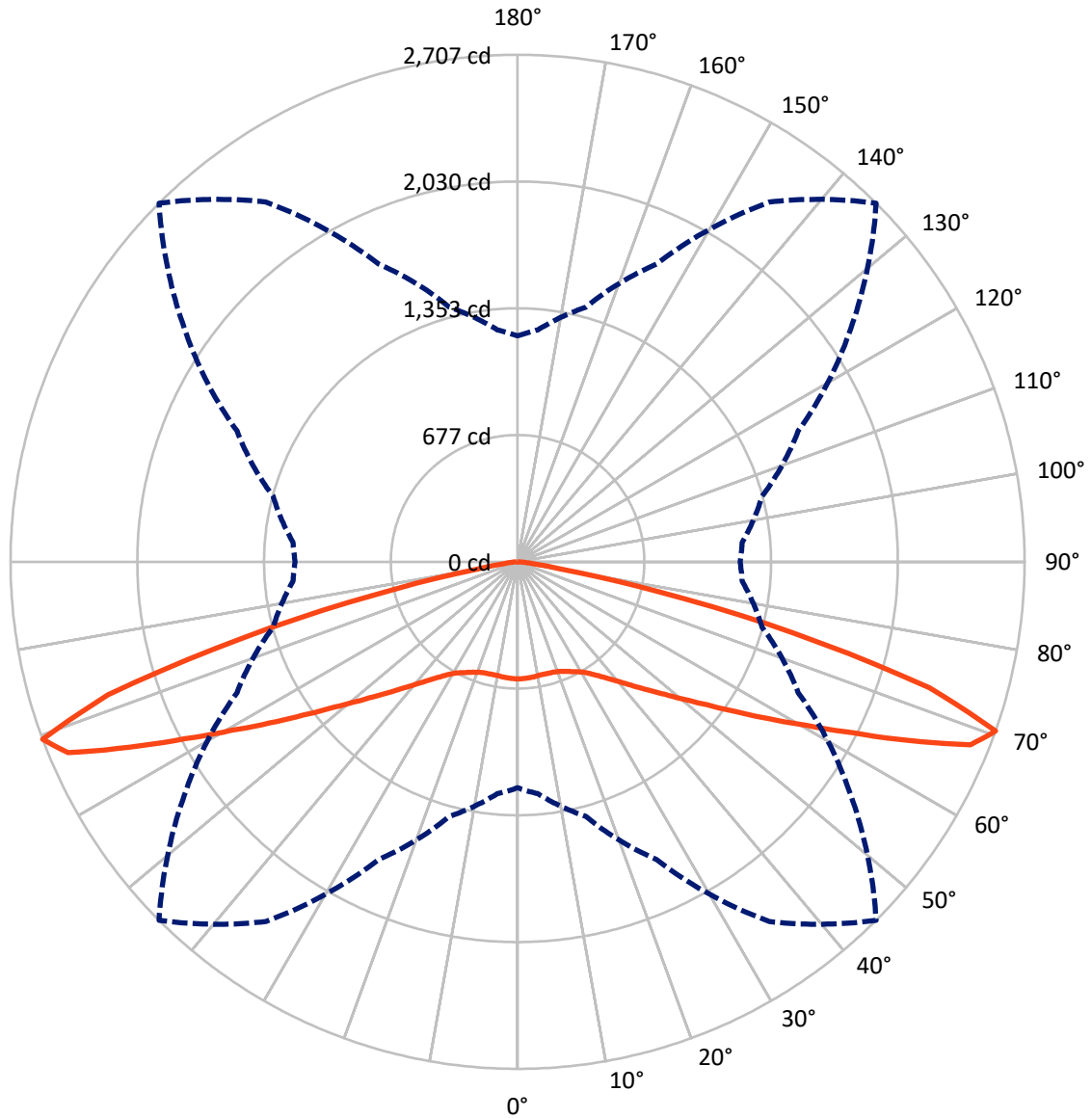
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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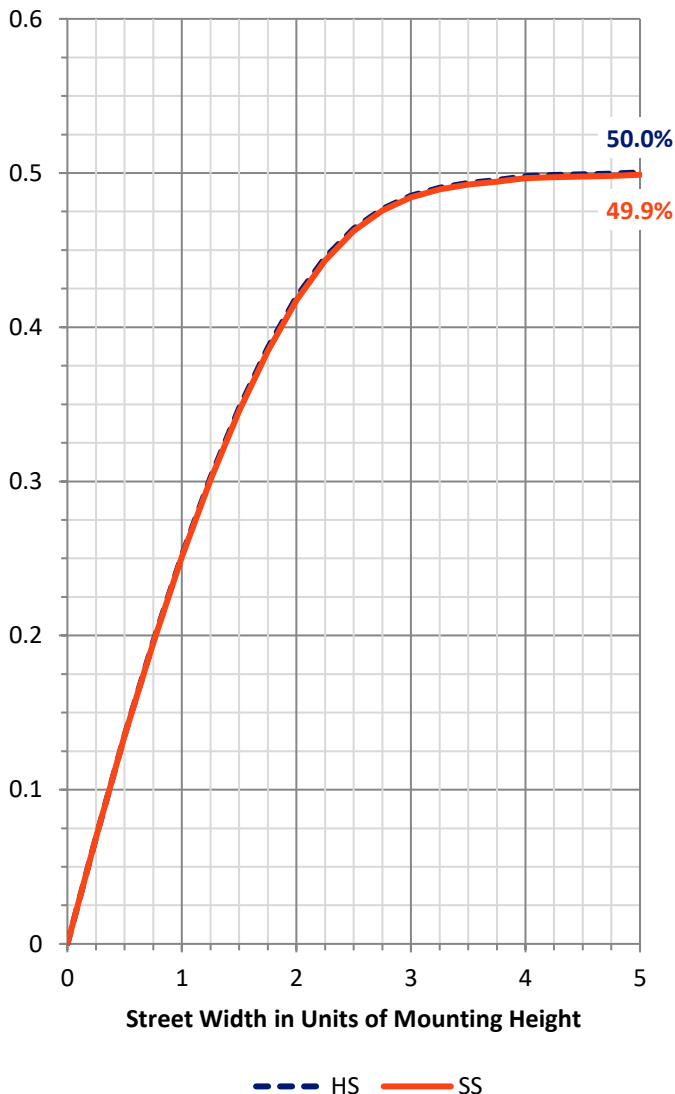
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2862.5	0.0	2862.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2862.5	0.0	2862.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5725.0	0.0	5725.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.2	1.0
10°-20°	173.8	3.0
20°-30°	296.0	5.2
30°-40°	469.4	8.2
40°-50°	763.8	13.3
50°-60°	1259.4	22.0
60°-70°	1848.8	32.3
70°-80°	817.5	14.3
80°-90°	37.0	0.6
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°	5725.0	100.0
0°-180°	5725.0	100.0

Coefficient of Utilization



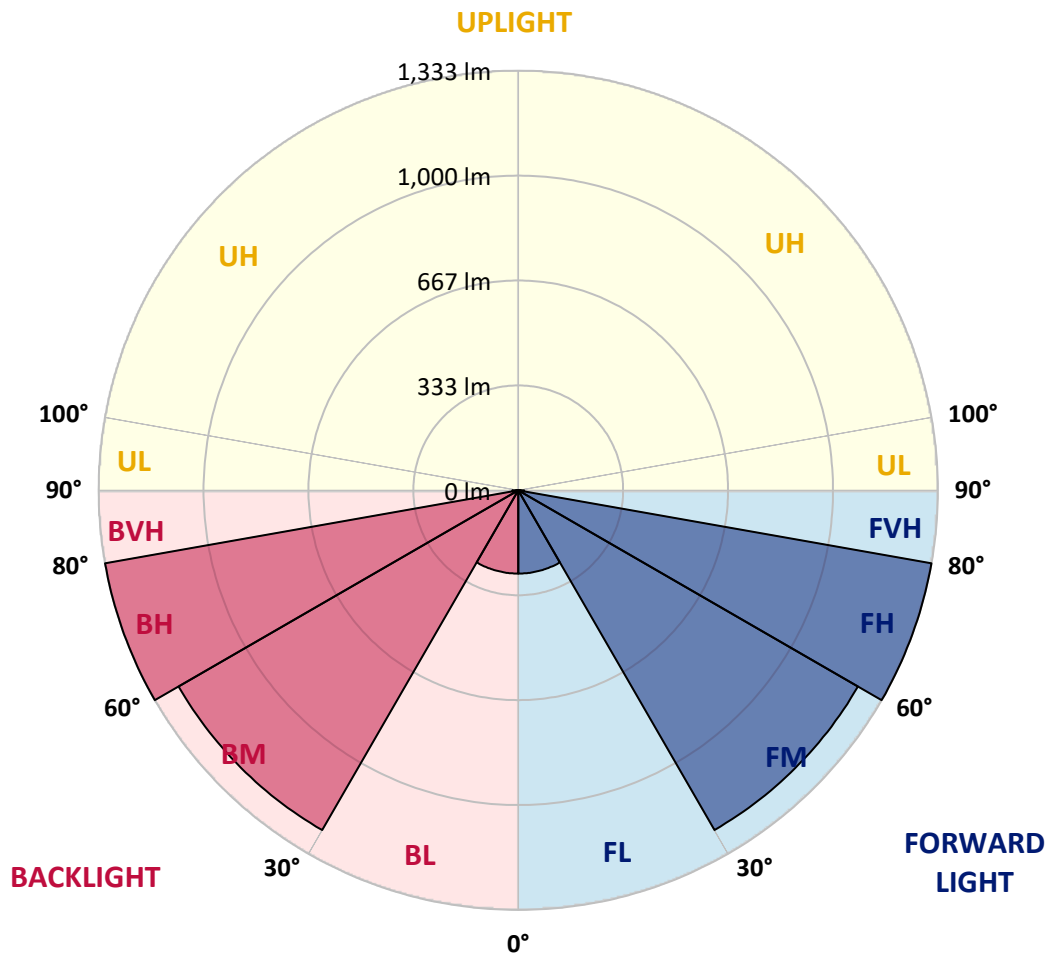
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 CATALOG NUMBER: GAN-SA1B-730-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	264.5	4.6			
FM (30°-60°)	1246.3	21.8			
FH (60°-80°)	1333.2	23.3			G1/1800
FVH (80°-90°)	18.5	0.3			G1/100
BL (0°-30°)	264.5	4.6	B1/500		
BM (30°-60°)	1246.3	21.8	B2/2500		
BH (60°-80°)	1333.2	23.3	B3/2500		G1/1800
BVH (80°-90°)	18.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3
2.5°	624.3	623.7	625.1	624.9	623.7	623.9	623.9	624.5	624.5	624.1	624.1
5°	622.0	621.7	623.2	623.2	622.0	622.4	622.8	623.4	623.2	622.8	622.6
7.5°	619.2	619.0	620.5	620.5	619.8	620.1	619.8	620.0	619.6	619.2	618.6
10°	614.5	614.8	616.2	616.5	616.5	616.7	616.4	615.4	614.8	614.3	613.7
12.5°	610.1	609.9	611.8	612.8	614.3	616.0	614.8	612.2	611.0	609.9	609.5
15°	607.3	607.4	609.3	611.0	613.7	617.3	616.0	611.8	609.5	608.2	607.8
17.5°	606.7	607.1	609.5	612.6	615.4	619.4	618.6	614.5	610.7	608.2	607.6
20°	608.0	608.2	612.0	616.4	621.3	625.1	623.4	618.8	613.7	609.9	609.0
22.5°	610.5	611.2	616.0	622.8	630.4	635.5	633.4	625.6	617.7	612.9	611.6
25°	618.2	618.4	624.9	634.2	643.3	649.1	646.7	635.7	625.4	620.1	618.4
27.5°	634.4	634.9	641.4	652.2	659.9	663.7	662.2	653.3	644.6	638.9	639.5
30°	657.7	658.4	665.6	677.6	682.3	683.2	682.9	678.7	670.7	663.2	663.7
32.5°	686.1	686.5	696.1	706.9	710.7	711.5	710.7	706.9	697.4	687.2	687.8
35°	722.6	723.8	733.1	743.5	746.5	748.0	746.7	741.8	731.9	721.9	721.5
37.5°	767.7	767.9	777.6	788.4	792.2	792.6	791.0	787.8	775.5	766.4	765.8
40°	820.0	820.8	832.2	843.7	845.2	843.5	845.6	843.7	831.0	820.6	822.3
42.5°	883.7	885.4	899.0	910.4	906.1	905.1	906.4	907.0	896.8	884.1	882.9
45°	957.8	959.3	976.4	985.4	982.6	976.4	979.0	983.6	969.3	953.6	955.1
47.5°	1042.3	1046.1	1064.3	1072.8	1065.8	1057.3	1062.4	1069.2	1052.5	1033.0	1032.1
50°	1136.3	1141.0	1165.3	1177.2	1170.2	1154.5	1163.0	1167.5	1143.5	1118.3	1116.2
52.5°	1236.5	1241.2	1271.7	1296.4	1291.8	1267.4	1279.3	1274.6	1246.9	1213.0	1210.4
55°	1350.0	1351.9	1384.9	1424.6	1429.2	1411.2	1410.4	1402.7	1361.7	1322.5	1320.6
57.5°	1466.7	1468.0	1510.7	1557.7	1579.1	1579.1	1557.8	1541.4	1487.0	1441.5	1436.8
60°	1592.7	1597.4	1644.6	1708.5	1758.5	1773.3	1735.8	1690.9	1631.7	1576.2	1570.7
62.5°	1704.9	1710.4	1782.6	1877.7	1958.0	2011.8	1920.1	1847.0	1739.4	1650.3	1639.9
65°	1719.1	1733.9	1839.0	2011.3	2191.1	2298.5	2122.7	1942.5	1746.4	1622.6	1612.0
67.5°	1570.0	1595.0	1737.1	2005.2	2376.7	2607.3	2252.1	1887.9	1620.6	1483.8	1472.0
70°	1206.4	1242.7	1406.6	1753.9	2344.7	2706.8	2171.0	1652.8	1351.1	1203.9	1187.4
72.5°	661.8	676.8	824.2	1201.1	1879.8	2300.2	1810.8	1222.1	896.0	729.1	701.4
75°	209.9	215.2	290.3	491.5	1063.3	1523.5	1150.3	599.9	330.3	243.5	240.6
77.5°	93.2	93.8	105.0	143.4	366.3	771.9	440.0	163.3	112.5	98.3	101.6
80°	58.9	58.9	65.0	71.1	99.7	224.1	119.0	77.7	66.3	61.6	62.9
82.5°	28.2	31.3	42.3	45.5	54.8	75.4	61.0	50.8	44.3	33.0	30.7
85°	18.6	15.5	26.7	30.1	31.8	36.2	35.4	33.5	29.0	16.5	18.4
87.5°	8.3	8.0	13.8	12.7	11.9	9.1	13.6	16.9	16.3	8.1	8.1
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)