

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: P316785

Luminaire Tested: **GAN-SA1A-740-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316785
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-SA1A-740-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5033 lumens
Efficiency: N/A
Efficacy: 148.0 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

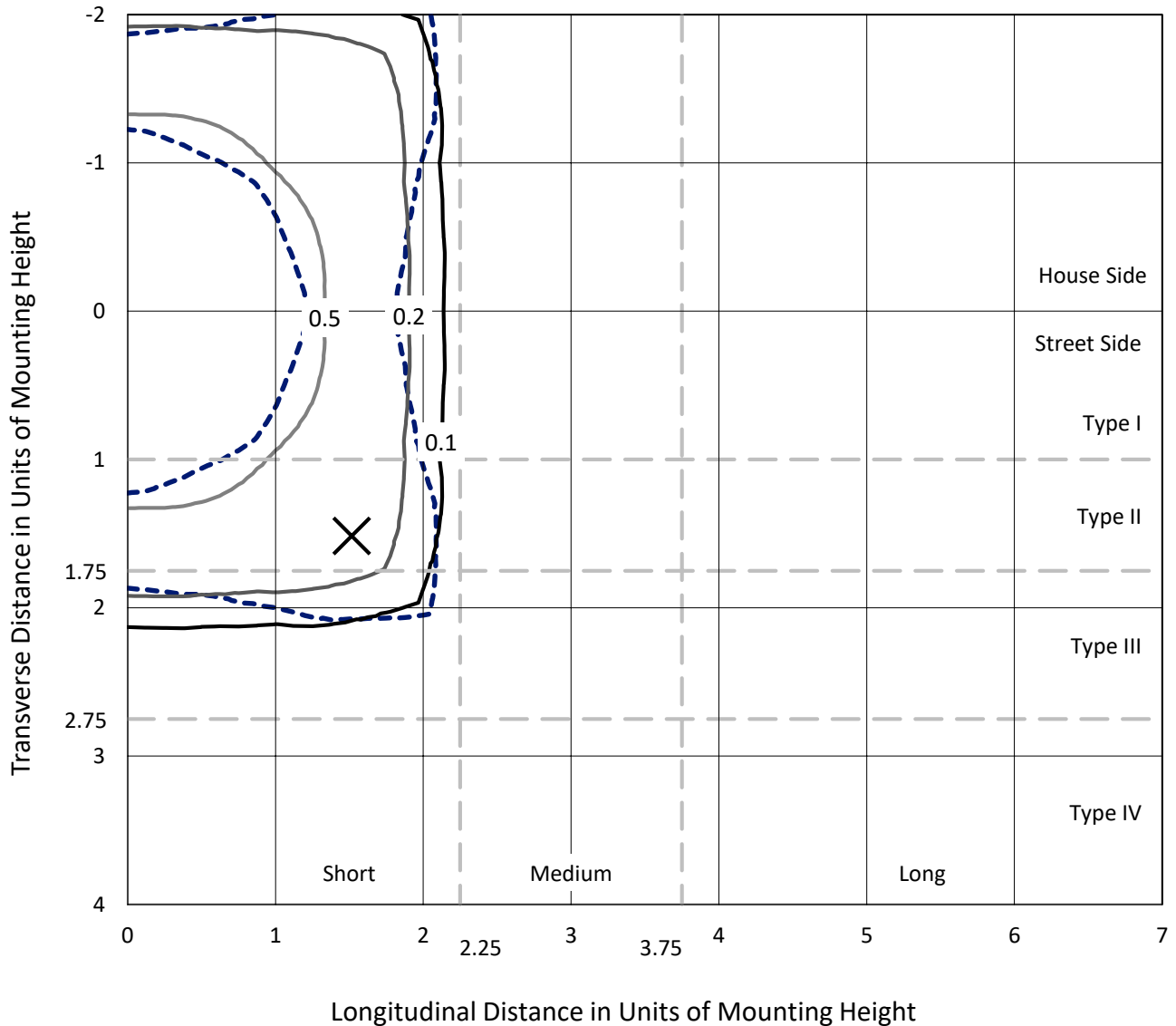
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

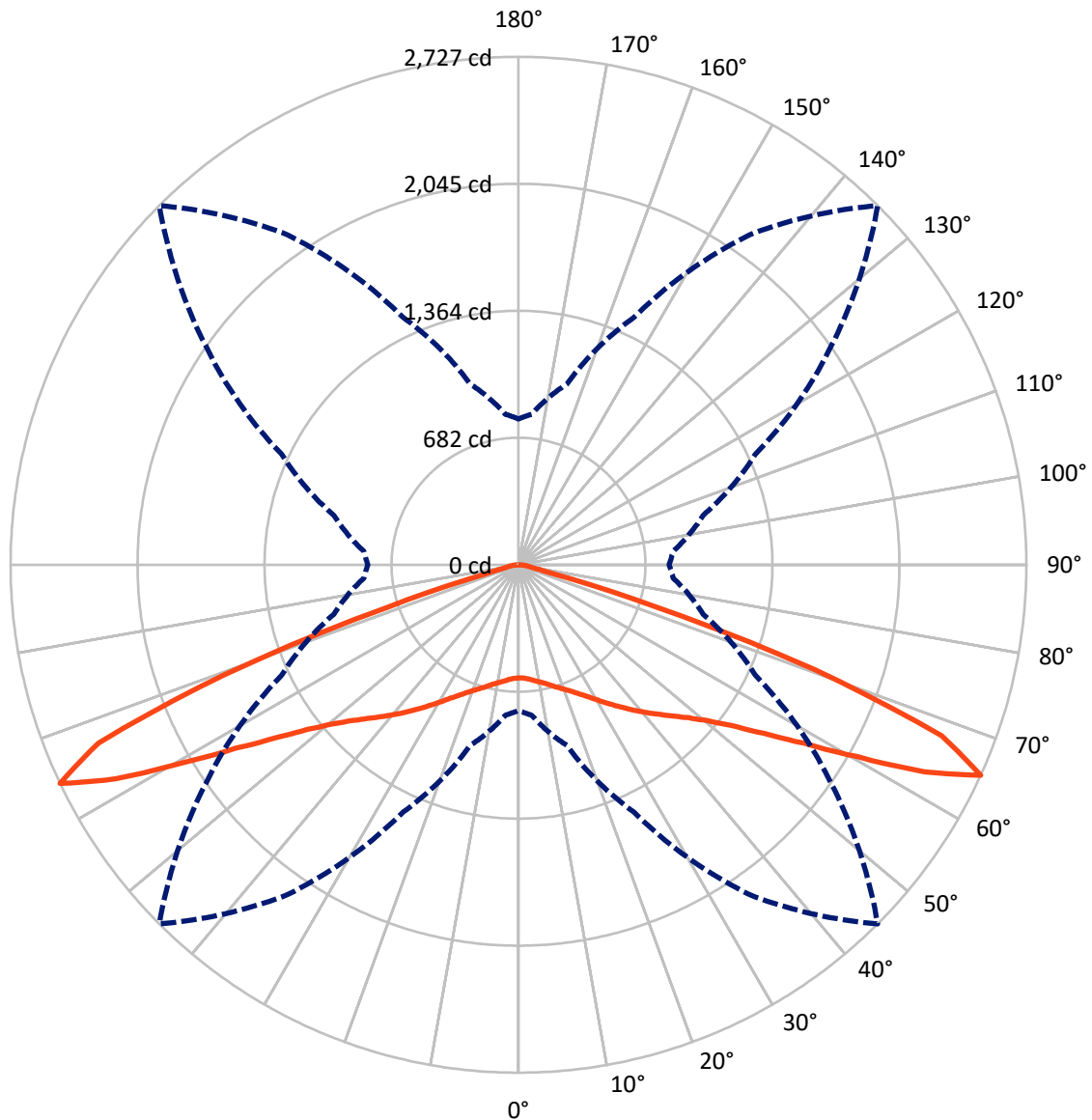
× Max cd
 - - - 1/2 Max cd



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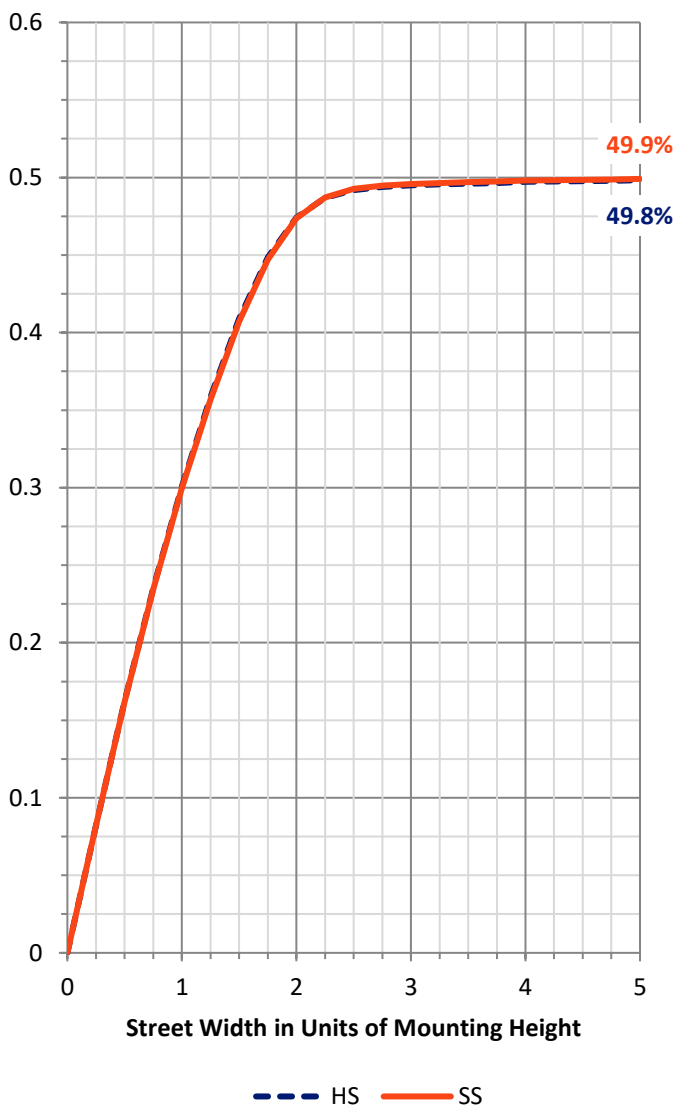
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2516.5	0.0	2516.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2516.5	0.0	2516.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5033.0	0.0	5033.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.6	1.2
10°-20°	191.7	3.8
20°-30°	359.6	7.1
30°-40°	594.7	11.8
40°-50°	921.2	18.3
50°-60°	1412.8	28.1
60°-70°	1318.3	26.2
70°-80°	153.4	3.0
80°-90°	21.6	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°	5033.0	100.0
0°-180°	5033.0	100.0

Coefficient of Utilization

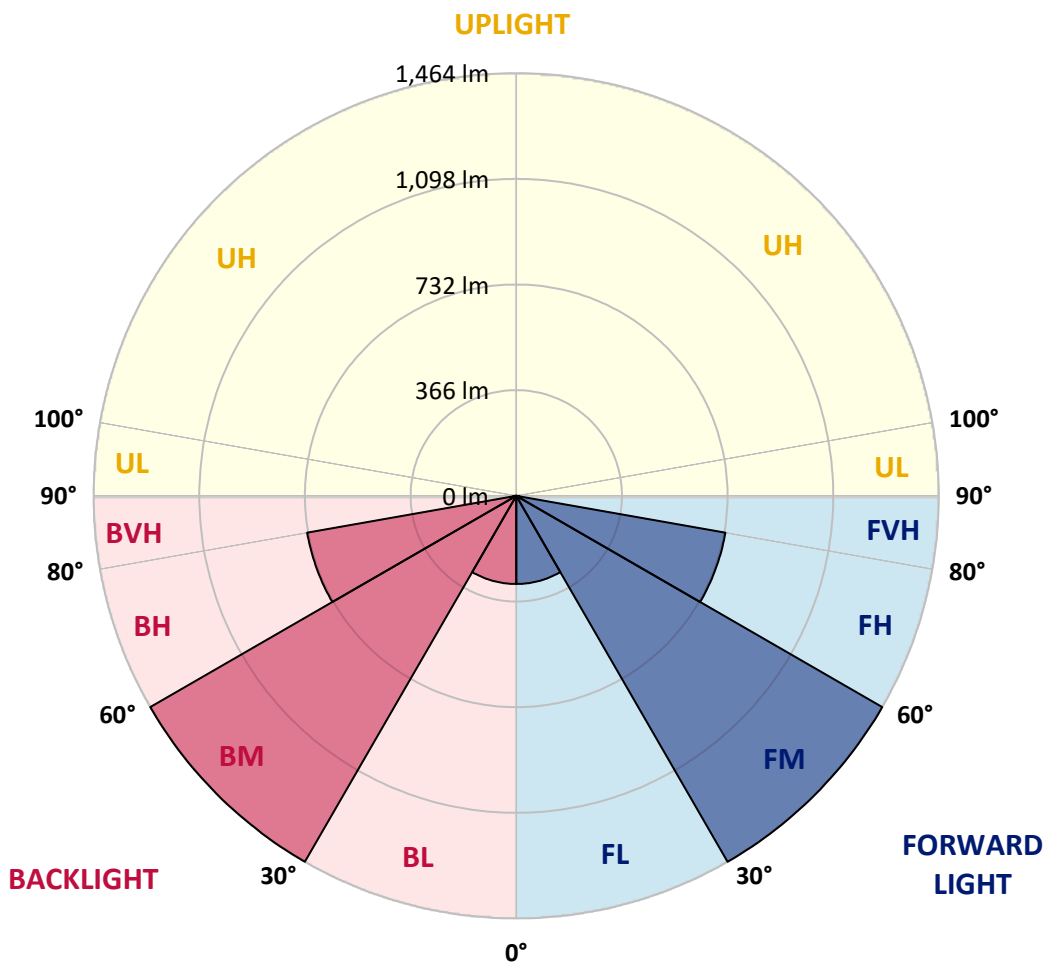


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	305.5	6.1			
FM (30°-60°)	1464.4	29.1			
FH (60°-80°)	735.9	14.6			G1/1800
FVH (80°-90°)	10.8	0.2			G1/100
BL (0°-30°)	305.5	6.1	B1/500		
BM (30°-60°)	1464.4	29.1	B2/2500		
BH (60°-80°)	735.9	14.6	B2/1000		G1/1800
BVH (80°-90°)	10.8	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°	607.8	607.8	607.8	607.8	607.8	607.8	607.8	607.8	607.8	607.8	607.8
2.5°	609.8	609.5	609.8	610.0	609.0	609.5	609.3	610.1	610.5	610.1	610.1
5°	616.8	616.3	617.0	617.8	616.5	616.8	616.3	617.3	617.7	617.0	617.5
7.5°	626.5	626.7	627.3	628.8	628.0	628.7	627.7	627.8	627.7	626.7	626.8
10°	637.0	637.2	638.4	640.4	640.7	640.7	640.0	639.5	638.9	638.2	638.4
12.5°	649.7	650.6	651.4	653.9	653.9	655.2	654.9	653.6	652.4	651.4	651.4
15°	666.9	666.8	667.8	670.3	671.5	673.6	673.6	671.8	670.3	669.3	668.9
17.5°	685.0	685.5	686.2	689.2	691.0	693.5	693.8	692.3	691.3	690.0	689.2
20°	706.0	706.9	709.5	710.7	712.4	714.7	715.6	715.2	714.2	713.6	713.7
22.5°	730.6	732.8	734.4	736.1	738.1	739.8	740.6	741.8	740.8	740.3	740.0
25°	760.3	761.8	765.2	768.2	769.5	770.0	771.0	772.7	772.5	771.4	771.4
27.5°	794.1	796.9	801.1	805.4	805.4	803.8	807.1	810.0	809.0	807.4	805.4
30°	835.0	837.7	842.5	848.5	845.5	844.4	848.9	854.1	852.6	850.0	849.7
32.5°	879.1	881.6	888.0	894.5	890.6	889.0	893.8	901.3	898.7	893.7	890.6
35°	926.9	929.4	938.4	946.3	939.8	936.9	940.9	949.1	944.4	935.1	932.7
37.5°	978.9	980.2	991.9	999.9	995.4	987.9	992.9	998.9	994.9	983.5	979.0
40°	1032.8	1037.7	1051.2	1060.6	1052.7	1040.8	1049.2	1057.5	1051.5	1037.0	1029.3
42.5°	1095.8	1099.5	1117.5	1125.9	1113.2	1096.5	1107.8	1119.2	1113.2	1099.1	1092.5
45°	1161.3	1167.0	1188.5	1196.9	1178.5	1157.3	1171.2	1191.0	1190.5	1170.3	1163.3
47.5°	1232.6	1238.3	1264.0	1275.1	1255.2	1226.8	1246.3	1274.4	1272.4	1250.2	1244.5
50°	1315.0	1321.0	1353.1	1367.0	1348.4	1315.3	1344.7	1369.5	1365.8	1338.4	1338.9
52.5°	1418.4	1418.1	1458.0	1482.1	1463.0	1433.8	1460.9	1484.9	1469.7	1431.8	1430.6
55°	1509.0	1514.5	1563.9	1609.5	1608.4	1597.2	1608.0	1609.0	1565.6	1515.2	1509.0
57.5°	1568.4	1579.0	1648.6	1731.2	1793.0	1807.9	1786.8	1723.0	1621.2	1540.5	1530.7
60°	1531.9	1547.9	1657.3	1825.6	2007.7	2095.1	1976.3	1778.3	1578.0	1465.5	1452.2
62.5°	1284.9	1312.0	1472.2	1780.0	2192.5	2447.9	2113.6	1689.6	1405.9	1251.0	1228.1
65°	782.6	811.1	1004.3	1465.0	2162.5	2727.2	2050.9	1402.4	1026.1	833.5	808.8
67.5°	260.8	269.1	382.9	809.8	1699.6	2450.4	1702.4	839.5	446.6	296.0	287.4
70°	102.1	102.9	121.5	234.7	802.6	1683.1	885.6	238.9	127.0	100.4	102.6
72.5°	75.0	75.3	80.5	98.1	209.2	741.5	216.7	98.6	78.4	70.3	70.3
75°	60.3	60.3	64.0	71.5	93.7	170.1	95.1	70.7	61.3	56.1	55.5
77.5°	47.6	48.6	51.5	56.3	63.5	81.9	65.8	56.0	49.5	44.6	43.6
80°	35.4	36.4	41.1	43.4	45.6	56.8	48.6	43.8	39.1	33.4	32.4
82.5°	23.2	24.2	30.1	31.4	30.9	37.1	32.7	32.2	28.7	21.6	20.5
85°	15.2	15.5	20.0	20.9	19.2	16.9	20.9	22.1	20.0	14.0	13.5
87.5°	7.2	7.2	10.2	9.5	8.7	7.0	9.5	11.2	11.4	6.8	6.7
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)