

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: P316426

Luminaire Tested: **GAN-SA2A-730-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316426
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-SA2A-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9121 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 66
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

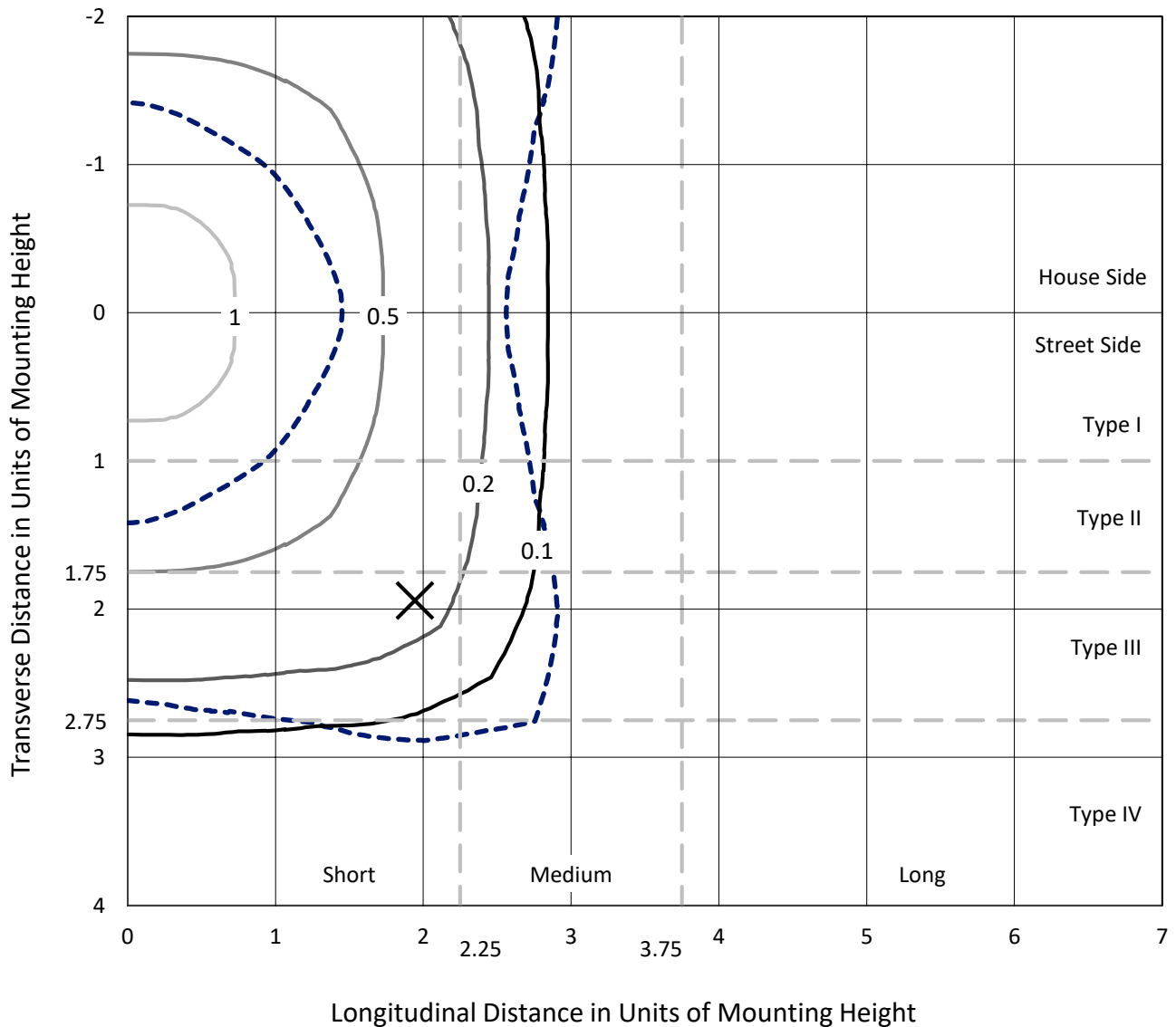




REPORT NUMBER: P316426
 CATALOG NUMBER: GAN-SA2A-730-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

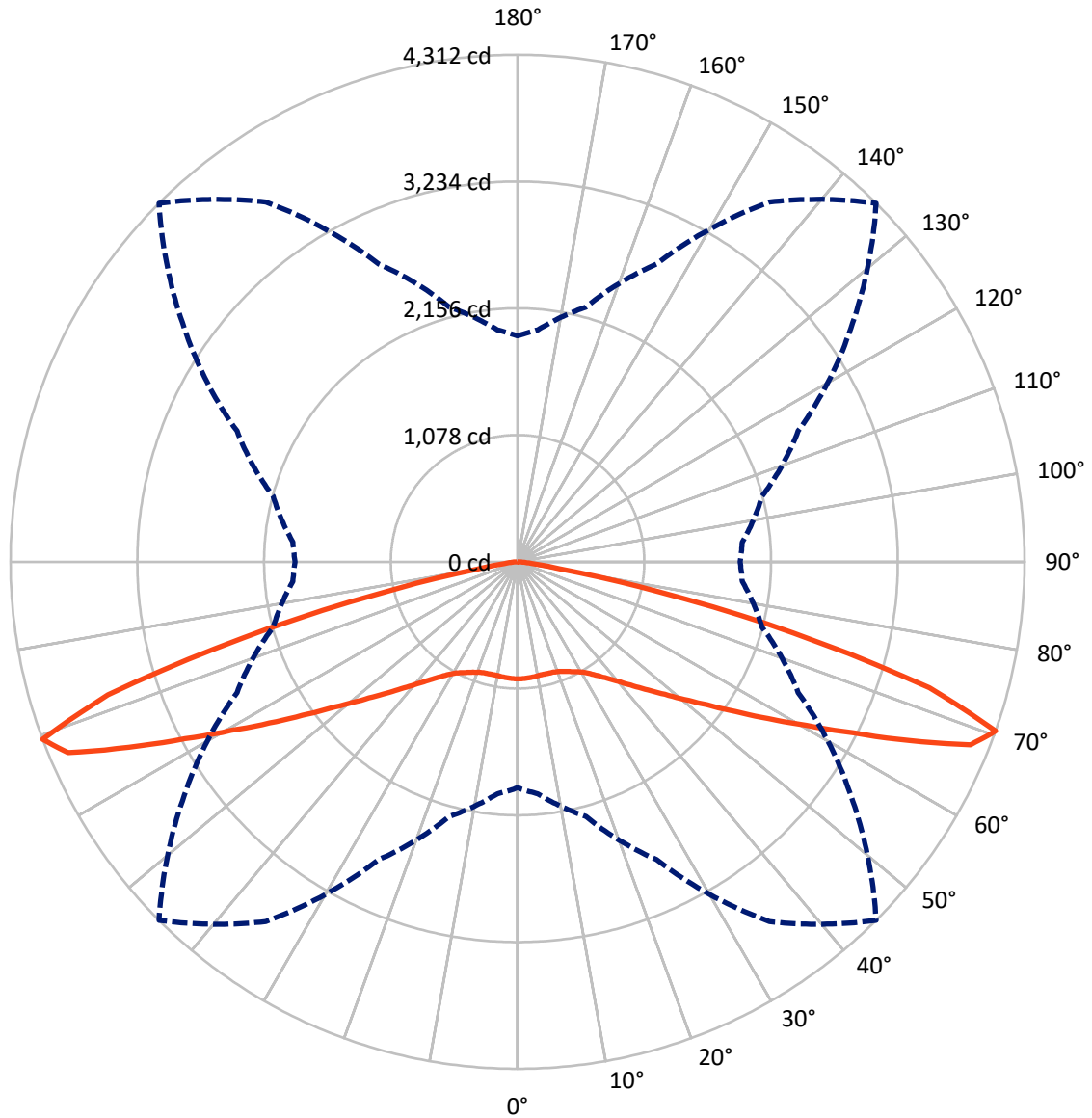
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - N/A

REPORT NUMBER: P316426
CATALOG NUMBER: GAN-SA2A-730-U-5MQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P316426
 CATALOG NUMBER: GAN-SA2A-730-U-5MQ

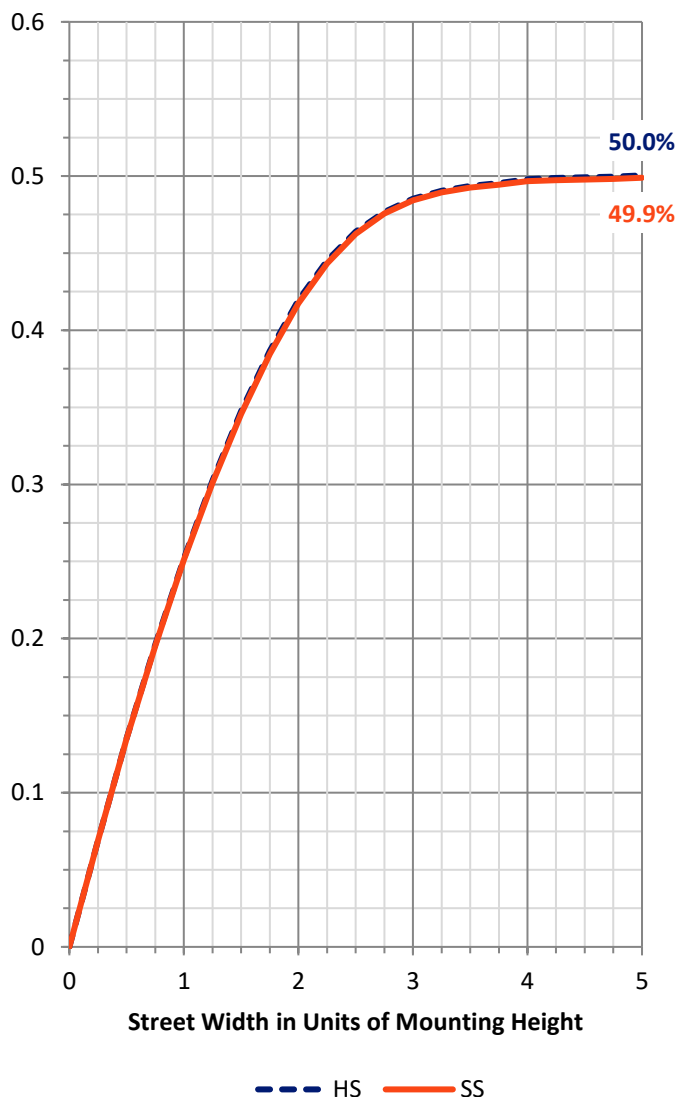
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4560.5	0.0	4560.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4560.5	0.0	4560.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9121.0	0.0	9121.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.3	1.0
10°-20°	277.0	3.0
20°-30°	471.5	5.2
30°-40°	747.8	8.2
40°-50°	1216.9	13.3
50°-60°	2006.4	22.0
60°-70°	2945.5	32.3
70°-80°	1302.5	14.3
80°-90°	59.0	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°	9121.0	100.0
0°-180°	9121.0	100.0

Coefficient of Utilization



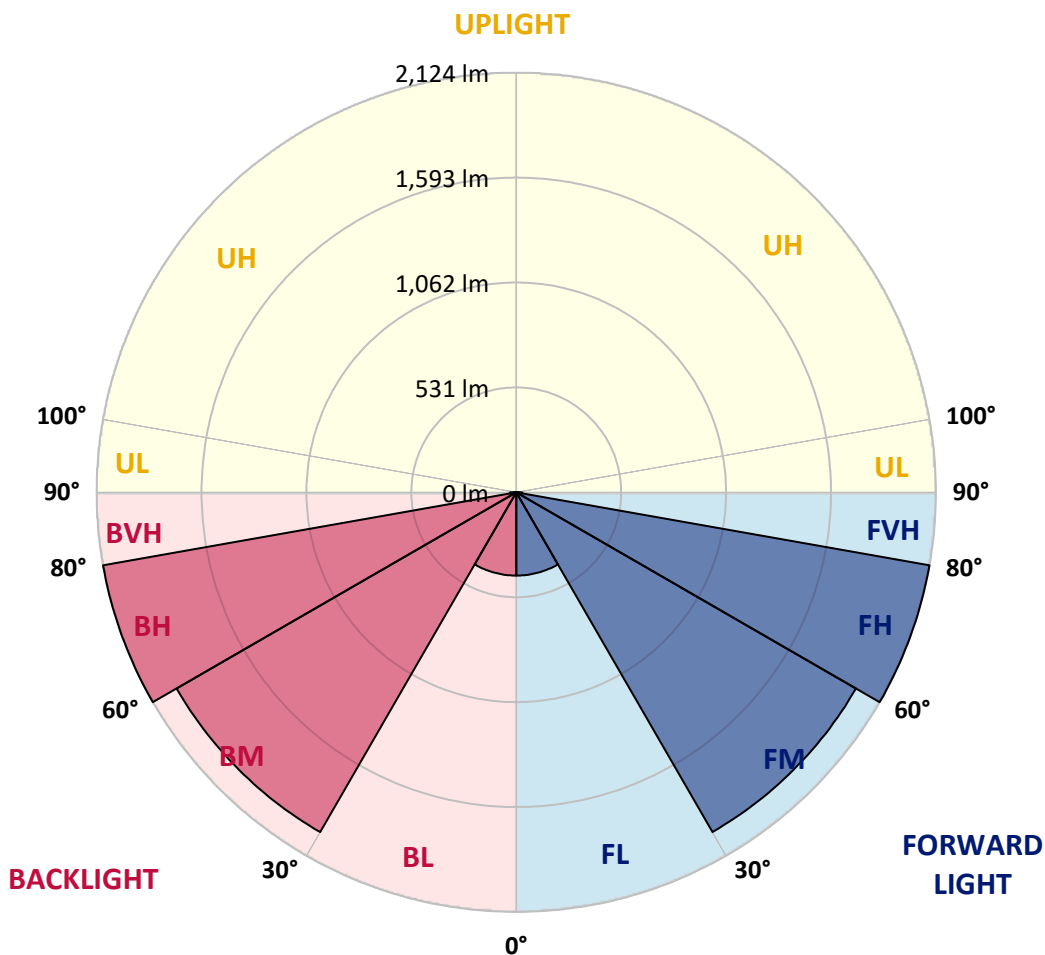
REPORT NUMBER: P316426
 CATALOG NUMBER: GAN-SA2A-730-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	421.4	4.6			
FM (30°-60°)	1985.6	21.8			
FH (60°-80°)	2124.0	23.3			G2/5000
FVH (80°-90°)	29.5	0.3			G1/100
BL (0°-30°)	421.4	4.6	B1/500		
BM (30°-60°)	1985.6	21.8	B2/2500		
BH (60°-80°)	2124.0	23.3	B3/2500		G2/5000
BVH (80°-90°)	29.5	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-G2

Type V Short





REPORT NUMBER: P316426
 CATALOG NUMBER: GAN-SA2A-730-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	996.2	996.2	996.2	996.2	996.2	996.2	996.2	996.2	996.2	996.2	996.2
2.5°	994.6	993.7	995.9	995.6	993.7	994.0	994.0	994.9	994.9	994.3	994.3
5°	991.0	990.4	992.8	992.8	991.0	991.6	992.2	993.1	992.8	992.2	991.9
7.5°	986.5	986.2	988.6	988.6	987.4	988.0	987.4	987.7	987.1	986.5	985.6
10°	978.9	979.6	981.7	982.3	982.3	982.6	982.0	980.5	979.6	978.6	977.7
12.5°	972.0	971.7	974.7	976.2	978.6	981.4	979.6	975.3	973.5	971.7	971.1
15°	967.5	967.8	970.8	973.5	977.7	983.5	981.4	974.7	971.1	969.0	968.4
17.5°	966.6	967.2	971.1	975.9	980.5	986.8	985.6	978.9	972.9	969.0	968.1
20°	968.7	969.0	975.0	982.0	989.8	995.9	993.1	985.9	977.7	971.7	970.2
22.5°	972.6	973.8	981.4	992.2	1004.3	1012.5	1009.1	996.8	984.1	976.5	974.4
25°	985.0	985.3	995.6	1010.3	1024.8	1034.2	1030.3	1012.8	996.5	988.0	985.3
27.5°	1010.6	1011.6	1021.8	1039.0	1051.4	1057.4	1055.0	1040.8	1026.9	1017.9	1018.8
30°	1047.8	1049.0	1060.5	1079.5	1087.0	1088.5	1087.9	1081.3	1068.6	1056.5	1057.4
32.5°	1093.1	1093.7	1109.1	1126.3	1132.3	1133.5	1132.3	1126.3	1111.2	1094.9	1095.8
35°	1151.3	1153.1	1167.9	1184.5	1189.3	1191.8	1189.7	1181.8	1166.1	1150.1	1149.5
37.5°	1223.2	1223.5	1238.9	1256.1	1262.1	1262.7	1260.3	1255.2	1235.5	1221.0	1220.1
40°	1306.5	1307.7	1325.8	1344.2	1346.6	1343.9	1347.2	1344.2	1324.0	1307.4	1310.1
42.5°	1407.9	1410.6	1432.4	1450.5	1443.5	1442.0	1444.1	1445.0	1428.7	1408.5	1406.7
45°	1525.9	1528.3	1555.5	1570.0	1565.5	1555.5	1559.7	1567.0	1544.3	1519.3	1521.7
47.5°	1660.6	1666.6	1695.6	1709.2	1698.0	1684.4	1692.6	1703.4	1676.9	1645.8	1644.3
50°	1810.3	1817.8	1856.5	1875.5	1864.3	1839.3	1852.8	1860.1	1821.8	1781.6	1778.3
52.5°	1970.0	1977.5	2026.1	2065.4	2058.1	2019.2	2038.2	2030.6	1986.6	1932.5	1928.3
55°	2150.8	2153.8	2206.3	2269.7	2277.0	2248.3	2247.1	2234.7	2169.5	2107.0	2104.0
57.5°	2336.7	2338.9	2406.8	2481.6	2515.7	2515.7	2481.9	2455.7	2369.0	2296.6	2289.0
60°	2537.5	2545.0	2620.2	2721.9	2801.6	2825.2	2765.4	2693.8	2599.7	2511.2	2502.5
62.5°	2716.2	2724.9	2839.9	2991.5	3119.5	3205.2	3059.1	2942.6	2771.1	2629.2	2612.6
65°	2738.8	2762.4	2929.9	3204.3	3490.8	3661.9	3381.8	3094.7	2782.3	2585.2	2568.3
67.5°	2501.3	2541.1	2767.5	3194.6	3786.6	4154.0	3588.0	3007.8	2581.9	2363.9	2345.2
70°	1922.0	1979.9	2241.0	2794.4	3735.6	4312.4	3458.8	2633.2	2152.6	1918.1	1891.8
72.5°	1054.4	1078.3	1313.1	1913.5	2994.8	3664.6	2884.9	1947.0	1427.5	1161.6	1117.5
75°	334.5	342.9	462.5	783.0	1694.1	2427.3	1832.6	955.7	526.2	387.9	383.4
77.5°	148.5	149.4	167.2	228.5	583.5	1229.8	700.9	260.2	179.3	156.7	161.8
80°	93.9	93.9	103.5	113.2	158.8	357.1	189.6	123.8	105.7	98.1	100.2
82.5°	45.0	49.8	67.3	72.4	87.2	120.1	97.2	80.9	70.6	52.5	48.9
85°	29.6	24.8	42.6	48.0	50.7	57.7	56.4	53.4	46.2	26.3	29.3
87.5°	13.3	12.7	22.0	20.2	19.0	14.5	21.7	26.9	26.0	13.0	13.0
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)