

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: P316115

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316115
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1B-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5740 lumens
Efficiency: N/A
Efficacy: 130.5 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

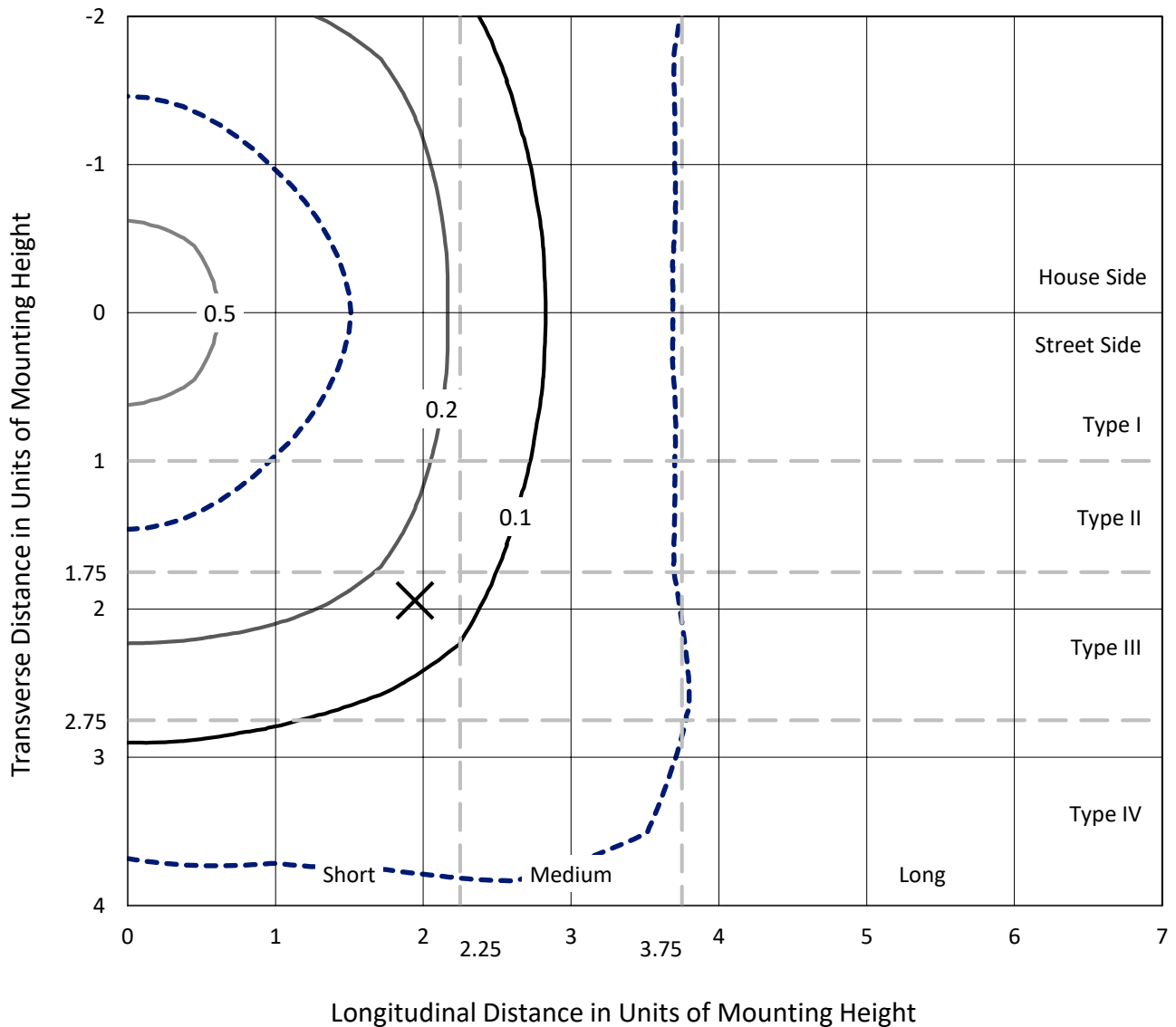
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316115
 CATALOG NUMBER: GAN-SA1B-730-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

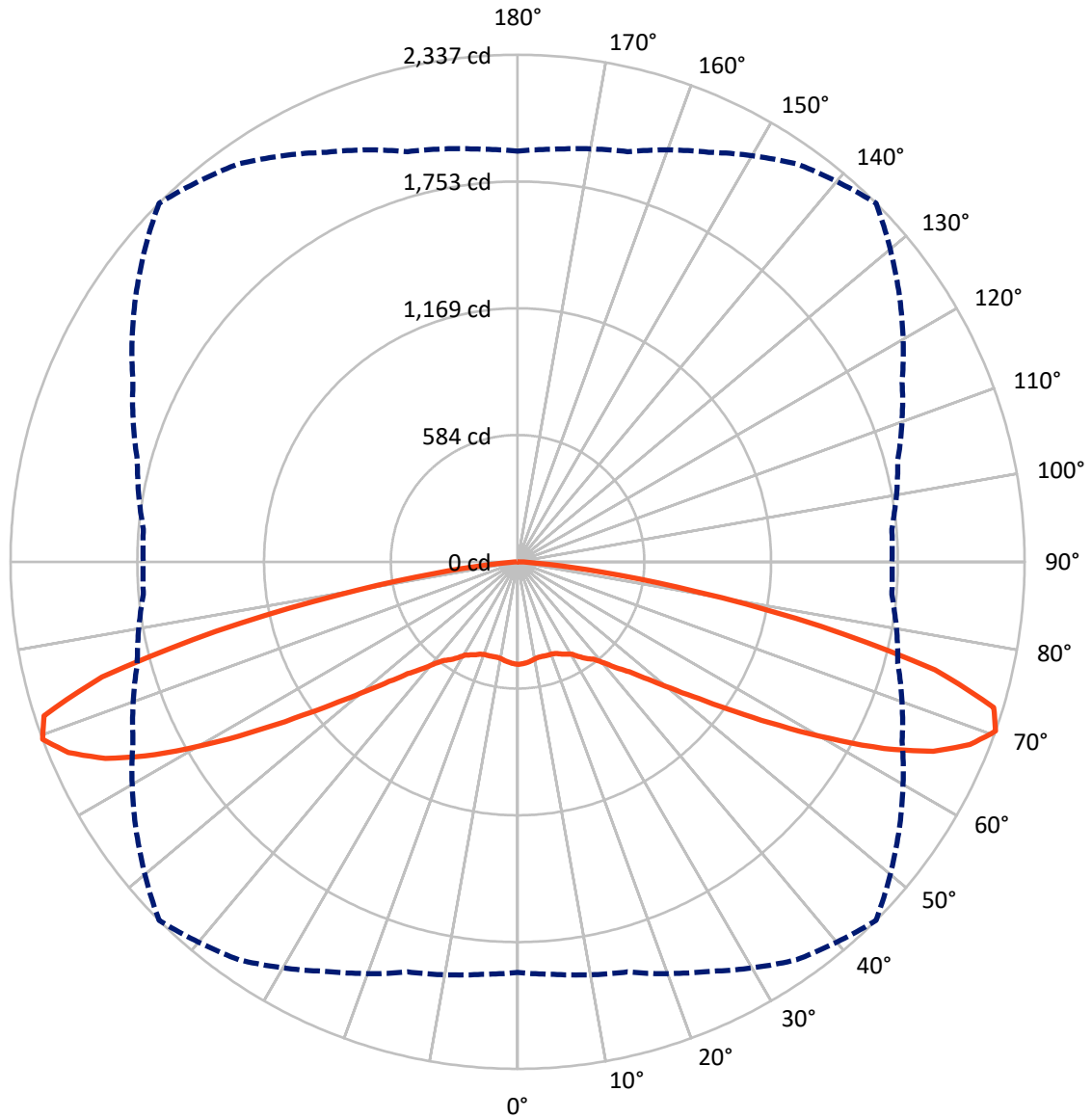
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - N/A

REPORT NUMBER: P316115
CATALOG NUMBER: GAN-SA1B-730-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P316115
 CATALOG NUMBER: GAN-SA1B-730-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2870.0	0.0	2870.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2870.0	0.0	2870.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5740.0	0.0	5740.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.1	0.8
10°-20°	128.8	2.2
20°-30°	219.6	3.8
30°-40°	343.1	6.0
40°-50°	581.5	10.1
50°-60°	1060.4	18.5
60°-70°	1825.5	31.8
70°-80°	1430.9	24.9
80°-90°	106.1	1.8
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°	5740.0	100.0
0°-180°	5740.0	100.0

Coefficient of Utilization

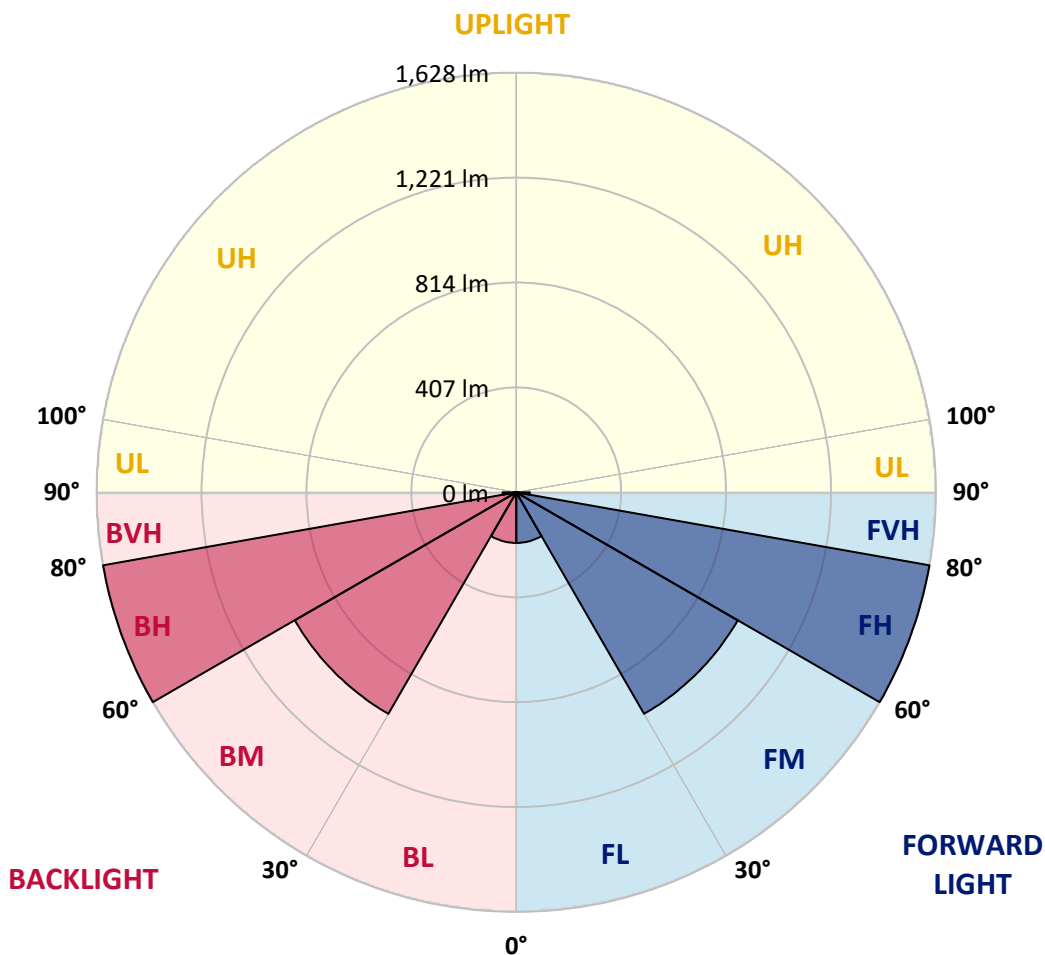


REPORT NUMBER: P316115
 CATALOG NUMBER: GAN-SA1B-730-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	196.2	3.4			
FM (30°-60°)	992.5	17.3			
FH (60°-80°)	1628.2	28.4			G1/1800
FVH (80°-90°)	53.1	0.9			G1/100
BL (0°-30°)	196.2	3.4	B1/500		
BM (30°-60°)	992.5	17.3	B1/1000		
BH (60°-80°)	1628.2	28.4	B3/2500		G1/1800
BVH (80°-90°)	53.1	0.9			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





REPORT NUMBER: P316115
 CATALOG NUMBER: GAN-SA1B-730-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	472.4	472.4	472.4	472.4	472.4	472.4	472.4	472.4	472.4	472.4	472.4
2.5°	470.3	470.9	470.3	470.7	469.7	470.1	470.1	470.1	469.9	470.1	469.7
5°	466.1	466.5	465.8	466.1	465.6	466.1	466.3	466.1	465.8	465.9	465.2
7.5°	459.9	460.3	459.7	460.3	459.5	460.4	460.3	459.7	459.1	459.1	458.4
10°	456.5	456.6	455.1	454.6	452.8	453.2	453.8	454.4	454.9	456.1	455.9
12.5°	456.6	456.6	454.4	451.9	449.4	450.0	450.9	453.0	455.3	457.4	457.6
15°	458.5	458.4	454.9	450.9	449.2	450.9	451.5	452.8	456.5	460.1	460.3
17.5°	459.9	459.9	454.6	450.0	449.8	452.5	452.3	452.8	456.8	462.1	462.3
20°	462.3	462.3	455.5	450.6	450.6	453.4	453.6	454.6	458.5	464.4	465.4
22.5°	467.8	468.0	460.8	456.8	457.2	458.9	459.5	461.0	464.6	471.1	472.2
25°	475.6	476.0	468.6	466.3	467.7	470.9	470.5	471.6	475.6	481.9	483.0
27.5°	486.5	485.5	478.7	477.7	479.0	481.3	481.1	481.3	484.6	490.3	491.6
30°	500.5	500.1	495.2	495.8	495.2	494.4	494.6	496.1	497.8	502.4	503.7
32.5°	514.2	514.6	511.5	514.4	518.5	521.4	517.0	512.8	510.9	513.4	514.6
35°	538.9	539.8	535.1	533.2	538.9	547.2	534.9	528.0	531.8	535.1	536.0
37.5°	580.8	581.4	573.4	565.8	561.6	569.6	557.3	557.8	571.1	577.2	577.0
40°	628.7	628.9	623.5	616.9	609.7	611.6	606.6	608.2	616.9	622.4	623.9
42.5°	685.6	685.1	676.7	667.2	665.1	667.0	658.7	657.5	667.6	677.5	677.7
45°	759.5	758.2	747.3	736.9	726.8	722.7	720.6	726.1	739.9	749.0	749.2
47.5°	839.0	835.4	829.7	821.4	812.7	808.5	805.1	807.7	817.8	821.4	821.8
50°	920.9	921.6	922.8	919.6	916.3	915.0	906.1	900.9	904.0	897.3	896.4
52.5°	1017.9	1019.4	1030.4	1039.7	1045.2	1048.1	1031.2	1013.5	1003.7	990.8	987.0
55°	1132.4	1134.9	1151.0	1176.8	1203.4	1217.5	1186.9	1153.9	1123.3	1099.2	1091.4
57.5°	1260.0	1264.4	1286.6	1336.1	1390.6	1423.9	1372.2	1312.2	1253.2	1218.4	1212.3
60°	1409.6	1413.8	1444.6	1515.6	1603.9	1653.8	1575.6	1477.4	1403.9	1370.7	1359.5
62.5°	1587.7	1588.1	1625.9	1708.9	1825.4	1894.9	1789.0	1657.8	1582.0	1542.0	1531.1
65°	1779.3	1780.2	1819.4	1909.0	2029.5	2105.1	1985.5	1848.8	1756.1	1697.1	1688.7
67.5°	1914.7	1918.7	1959.9	2067.7	2180.5	2248.7	2124.9	1970.3	1863.2	1792.8	1785.8
70°	1893.0	1908.6	1957.0	2082.9	2239.7	2337.0	2147.5	1955.9	1814.6	1731.4	1725.6
72.5°	1650.9	1680.8	1745.3	1910.5	2161.3	2295.2	2024.2	1751.8	1591.9	1521.1	1510.4
75°	1124.2	1172.7	1270.1	1508.3	1846.5	1987.2	1704.1	1396.7	1246.3	1148.3	1141.1
77.5°	501.3	512.3	635.7	910.1	1274.2	1427.1	1238.2	913.7	685.8	547.0	517.8
80°	139.7	141.5	188.7	338.9	637.8	838.5	684.7	356.0	200.1	141.1	132.9
82.5°	44.4	48.2	58.9	87.9	214.4	382.6	220.1	94.9	67.6	53.9	48.6
85°	21.6	21.5	29.8	35.7	54.7	84.7	58.3	44.1	38.5	25.6	23.2
87.5°	9.1	9.3	13.9	12.5	15.9	13.7	18.8	19.7	20.7	11.4	9.9
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)