

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: P459587

Luminaire Tested: **GAN-SA0A-AMB-U-SL2**

Issue Date: 1/6/2021

Test Information

Test Method: LM-79-08
Report Number: P459587
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0A-AMB-U-SL2
Description: GALLEON ROADWAY AND AREA LUMINAIRE
(10) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10106 lumens
Efficiency: N/A
Efficacy: 50.8 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B2 - U0 - G3

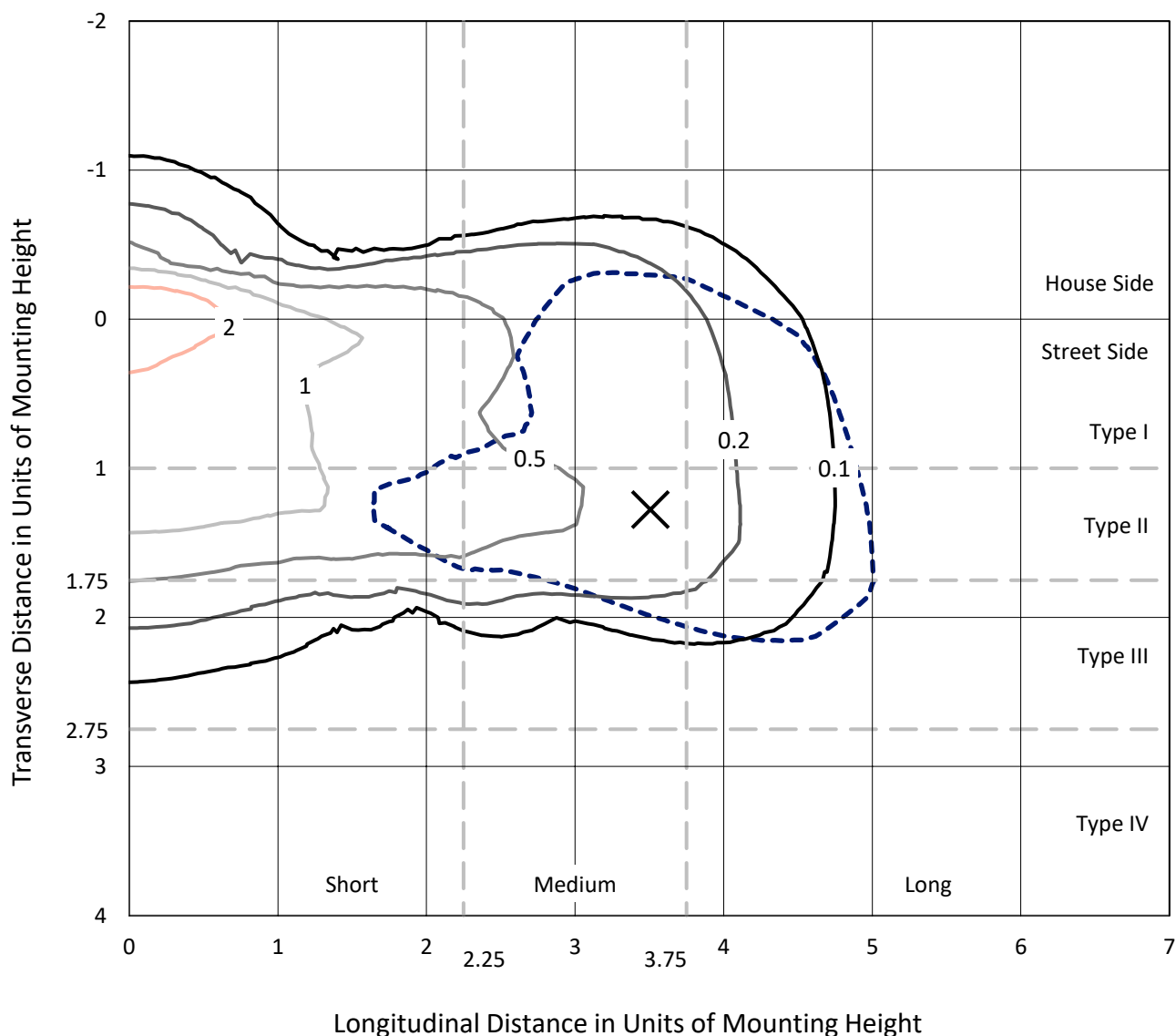
Input Watts (W): 198.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P459587
CATALOG NUMBER: GAN-SA0A-AMB-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

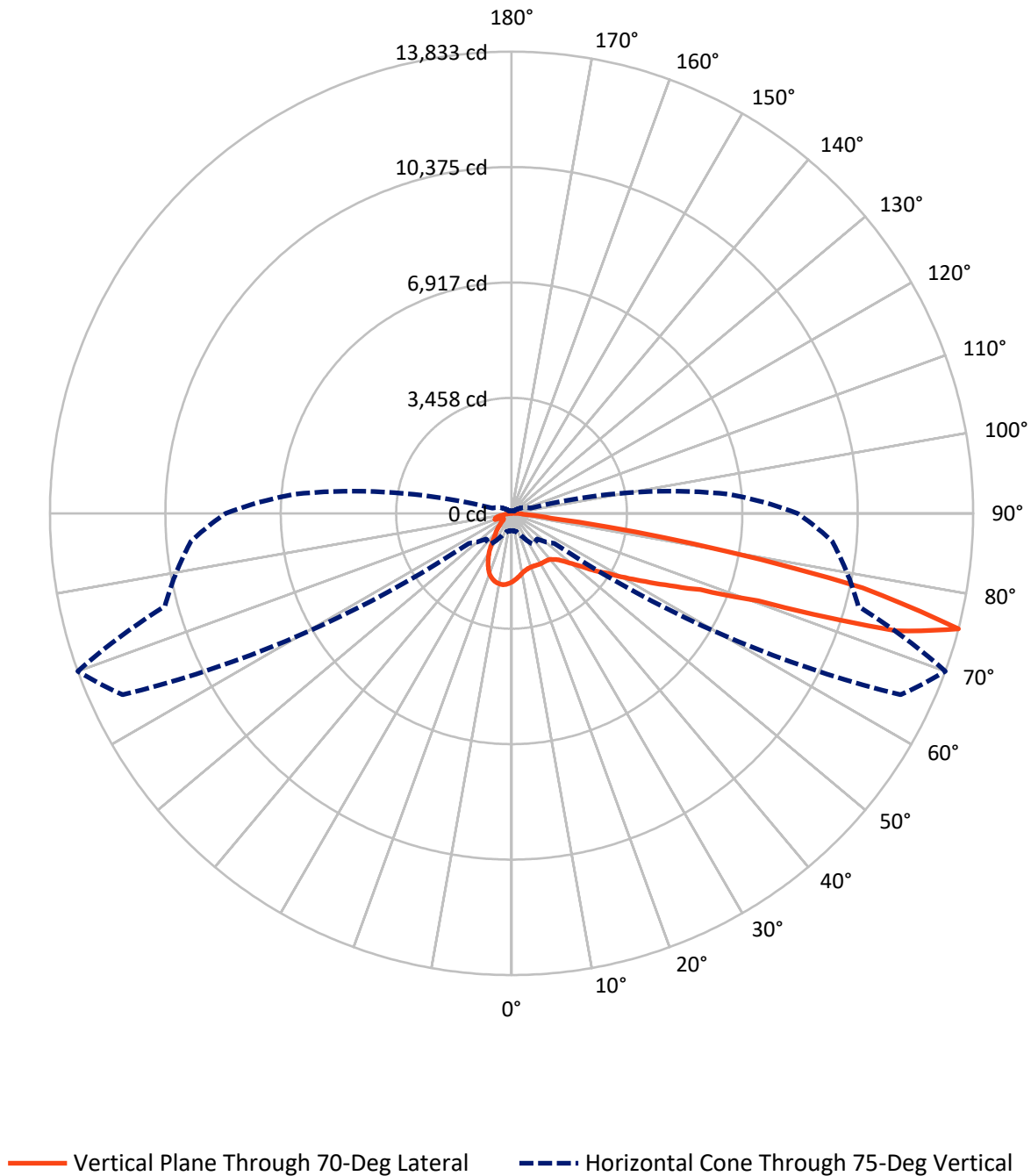
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
Type III - Medium - Non-Cutoff

REPORT NUMBER: P459587
CATALOG NUMBER: GAN-SA0A-AMB-U-SL2

Luminous Intensity Polar Plot



REPORT NUMBER: P459587

CATALOG NUMBER: GAN-SA0A-AMB-U-SL2

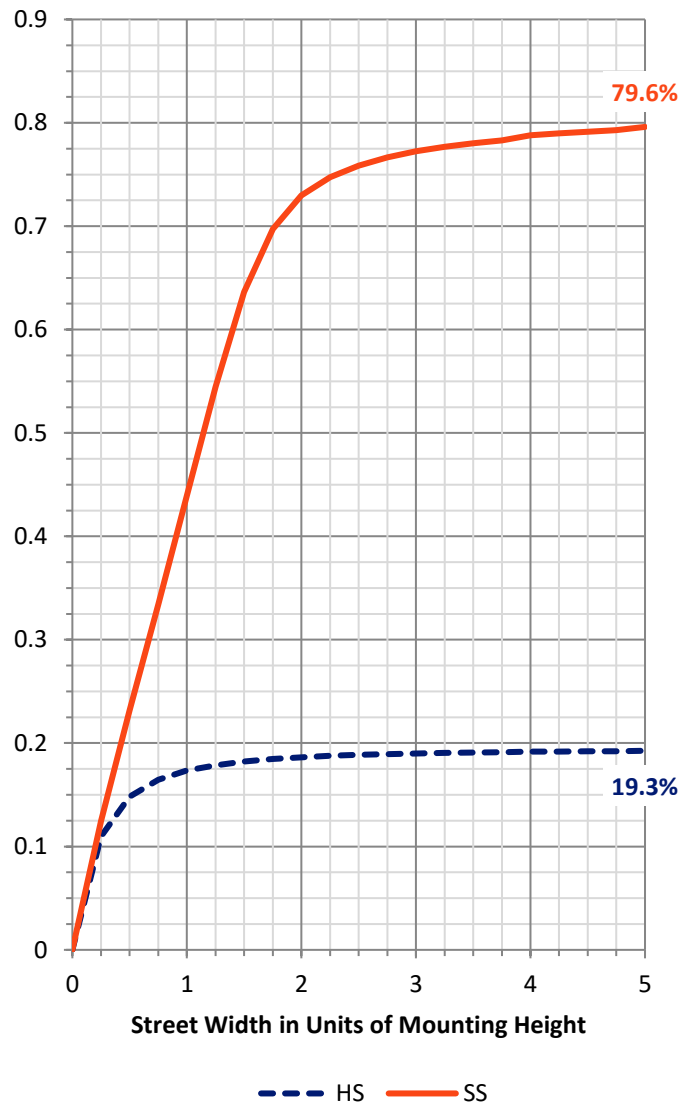
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1971.9	0.0	1971.9
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	8134.1	0.0	8134.1
	% Fixture	80.5	0.0	80.5
Total	Lumens	10106.0	0.0	10106.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.1	1.8
10°-20°	452.2	4.5
20°-30°	608.2	6.0
30°-40°	800.0	7.9
40°-50°	1141.2	11.3
50°-60°	1777.8	17.6
60°-70°	2320.9	23.0
70°-80°	2466.4	24.4
80°-90°	353.2	3.5
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°	10106.0	100.0
0°-180°	10106.0	100.0

Coefficient of Utilization



REPORT NUMBER: P459587

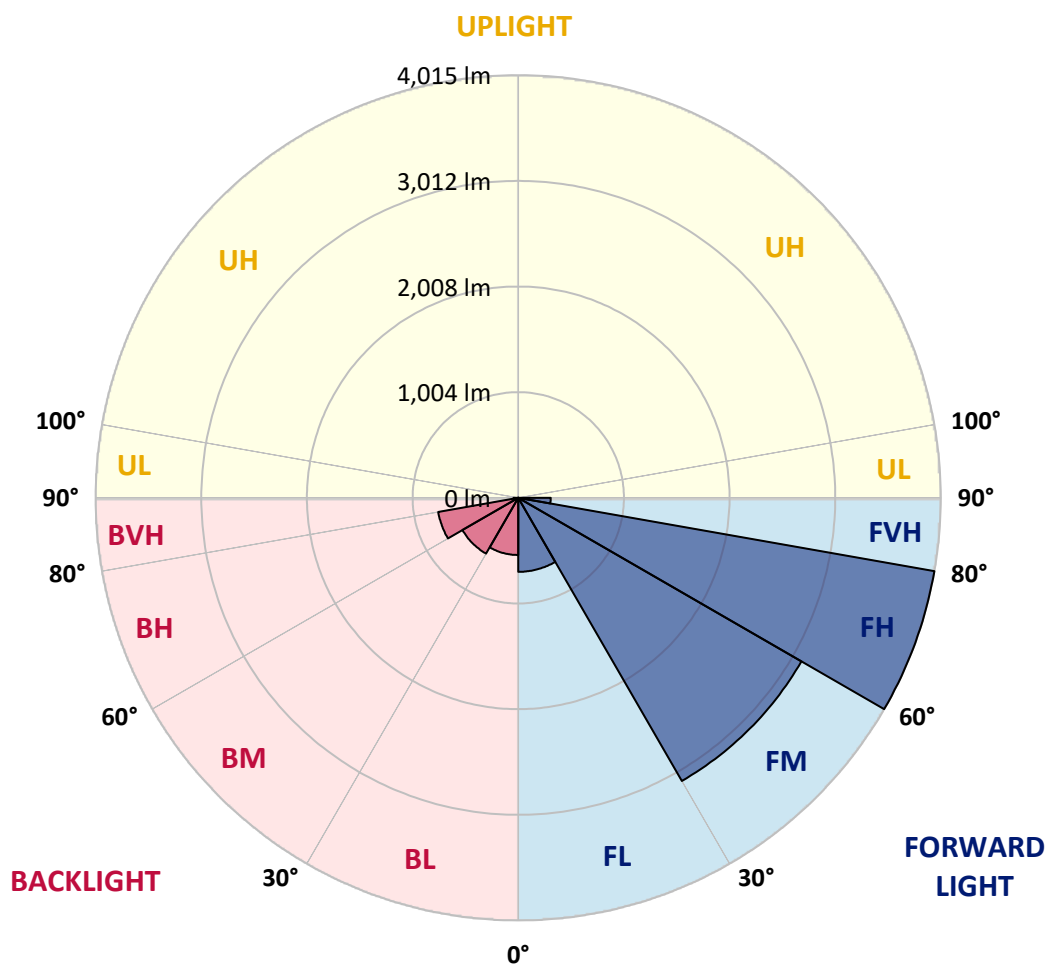
CATALOG NUMBER: GAN-SA0A-AMB-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	703.1	7.0			
FM	(30°-60°)	3106.9	30.7			
FH	(60°-80°)	4015.4	39.7			G2/5000
FVH	(80°-90°)	308.8	3.1			G3/500
BL	(0°-30°)	543.4	5.4	B2/1000		
BM	(30°-60°)	612.1	6.1	B1/1000		
BH	(60°-80°)	771.9	7.6	B2/1000		G2/1000
BVH	(80°-90°)	44.5	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium



REPORT NUMBER: P459587

CATALOG NUMBER: GAN-SA0A-AMB-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9
2.5°	1926.1	1926.1	1939.0	1939.0	1956.4	1960.7	1978.0	1986.7	1995.3	2008.3	2034.3
5°	1787.6	1783.2	1796.2	1817.9	1839.5	1861.1	1891.4	1921.7	1934.7	1956.4	1999.6
7.5°	1683.7	1683.7	1692.3	1705.3	1735.6	1761.6	1809.2	1843.8	1874.1	1904.4	1965.0
10°	1605.8	1605.8	1614.4	1627.4	1657.7	1679.4	1722.6	1783.2	1809.2	1852.5	1930.4
12.5°	1532.2	1540.8	1545.2	1562.5	1584.1	1614.4	1657.7	1722.6	1765.9	1817.9	1921.7
15°	1497.6	1497.6	1501.9	1514.9	1536.5	1566.8	1618.8	1688.0	1735.6	1796.2	1926.1
17.5°	1488.9	1484.6	1480.3	1484.6	1506.2	1536.5	1588.5	1666.4	1718.3	1787.6	1947.7
20°	1493.2	1488.9	1484.6	1475.9	1484.6	1514.9	1579.8	1657.7	1709.7	1783.2	1982.3
22.5°	1514.9	1514.9	1506.2	1488.9	1484.6	1506.2	1575.5	1657.7	1714.0	1787.6	2017.0
25°	1575.5	1571.1	1562.5	1527.9	1501.9	1510.6	1575.5	1666.4	1722.6	1796.2	2047.3
27.5°	1640.4	1640.4	1631.7	1601.4	1549.5	1527.9	1584.1	1679.4	1735.6	1804.9	2081.9
30°	1744.3	1739.9	1731.3	1696.7	1631.7	1562.5	1601.4	1692.3	1744.3	1809.2	2112.2
32.5°	1869.8	1869.8	1874.1	1830.8	1735.6	1623.1	1618.8	1701.0	1748.6	1813.5	2146.8
35°	2017.0	2021.3	2034.3	1999.6	1882.8	1714.0	1662.0	1722.6	1757.3	1817.9	2181.4
37.5°	2125.2	2129.5	2177.1	2185.8	2047.3	1835.2	1731.3	1765.9	1774.6	1826.5	2216.1
40°	2250.7	2250.7	2319.9	2371.9	2281.0	2004.0	1826.5	1817.9	1813.5	1861.1	2259.3
42.5°	2389.2	2406.5	2467.1	2553.7	2514.7	2198.7	1960.7	1908.7	1887.1	1921.7	2328.6
45°	2519.0	2527.7	2640.2	2739.8	2744.1	2462.8	2151.1	2051.6	1991.0	2029.9	2454.1
47.5°	2661.9	2674.8	2813.3	2973.5	3003.8	2744.1	2367.5	2229.0	2151.1	2190.1	2635.9
50°	2869.6	2891.3	3008.1	3202.9	3285.1	3077.4	2644.5	2475.7	2389.2	2406.5	2891.3
52.5°	3202.9	3198.6	3254.8	3445.3	3644.4	3445.3	3016.8	2778.7	2661.9	2687.8	3220.2
55°	3402.0	3397.7	3475.6	3683.3	4046.9	3908.4	3428.0	3138.0	3029.8	3016.8	3601.1
57.5°	3224.5	3233.2	3367.4	3692.0	4319.6	4631.2	3878.1	3575.1	3389.0	3410.6	4064.2
60°	2696.5	2644.5	2796.0	3237.5	4237.3	5440.6	4518.7	4103.2	3908.4	3869.4	4648.5
62.5°	1817.9	1835.2	1934.7	2220.4	3627.1	5661.3	6154.7	4761.1	4492.7	4423.4	5198.2
65°	1367.7	1363.4	1367.7	1415.3	1965.0	5453.6	7847.1	5635.4	5215.5	4986.1	5778.2
67.5°	1142.7	1129.7	1125.3	1233.5	1224.9	3432.3	8409.7	7622.0	6102.8	5618.0	6340.9
70°	969.5	943.6	934.9	1108.0	1138.3	1216.2	8344.8	11318.3	7838.4	6501.0	7085.3
72.5°	735.8	731.5	748.8	943.6	1121.0	1064.7	5025.1	12937.1	12054.1	8206.3	8621.8
75°	523.7	519.4	567.0	766.1	1138.3	1082.1	1571.1	12859.2	13833.0	10755.6	9647.6
77.5°	346.3	341.9	385.2	549.7	1069.1	1086.4	1025.8	9310.0	10755.6	10076.1	7907.7
80°	229.4	220.7	251.0	380.9	857.0	1164.3	1004.1	4609.6	5483.9	4665.8	2627.2
82.5°	134.2	129.8	160.1	264.0	562.7	1151.3	1012.8	1450.0	1185.9	606.0	328.9
85°	69.3	73.6	103.9	160.1	363.6	1017.1	1082.1	744.5	346.3	246.7	164.5
87.5°	21.6	30.3	56.3	86.6	203.4	701.2	960.9	575.7	251.0	160.1	90.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P459587

CATALOG NUMBER: GAN-SA0A-AMB-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9
2.5°	2042.9	2055.9	2081.9	2112.2	2142.5	2155.5	2172.8	2177.1	2185.8	2190.1	2185.8
5°	2029.9	2060.2	2116.5	2155.5	2181.4	2177.1	2172.8	2159.8	2155.5	2151.1	2142.5
7.5°	2004.0	2055.9	2138.1	2172.8	2155.5	2103.5	2060.2	2008.3	1991.0	1969.3	1965.0
10°	1991.0	2064.6	2146.8	2142.5	2073.2	1973.7	1887.1	1804.9	1748.6	1714.0	1696.7
12.5°	2004.0	2094.9	2164.1	2086.2	1965.0	1813.5	1662.0	1536.5	1411.0	1367.7	1346.1
15°	2042.9	2142.5	2164.1	2012.6	1826.5	1610.1	1380.7	1181.6	1034.4	960.9	947.9
17.5°	2090.5	2181.4	2133.8	1921.7	1666.4	1354.7	1082.1	826.7	714.2	683.9	679.5
20°	2146.8	2229.0	2086.2	1809.2	1458.6	1090.7	735.8	606.0	593.0	597.3	601.6
22.5°	2194.4	2250.7	2008.3	1657.7	1211.9	731.5	515.1	489.1	515.1	549.7	558.3
25°	2229.0	2237.7	1921.7	1467.3	930.6	467.4	406.9	402.5	441.5	502.1	519.4
27.5°	2250.7	2194.4	1804.9	1263.8	571.3	363.6	333.3	346.3	376.6	419.8	428.5
30°	2263.7	2151.1	1692.3	1051.8	363.6	307.3	303.0	311.6	324.6	346.3	350.6
32.5°	2268.0	2107.8	1571.1	783.4	307.3	281.3	281.3	290.0	294.3	307.3	307.3
35°	2259.3	2055.9	1450.0	493.4	281.3	272.7	268.4	268.4	268.4	272.7	272.7
37.5°	2237.7	2004.0	1307.1	328.9	268.4	259.7	255.4	255.4	251.0	251.0	251.0
40°	2224.7	1960.7	1172.9	285.7	255.4	251.0	246.7	238.1	233.7	233.7	233.7
42.5°	2237.7	1939.0	1008.5	272.7	246.7	242.4	233.7	225.1	225.1	225.1	225.1
45°	2294.0	1943.4	800.7	264.0	242.4	233.7	220.7	212.1	212.1	216.4	216.4
47.5°	2402.2	1982.3	618.9	255.4	233.7	225.1	207.8	203.4	203.4	203.4	203.4
50°	2566.6	2060.2	489.1	246.7	229.4	216.4	203.4	194.8	194.8	194.8	190.4
52.5°	2800.4	2203.1	385.2	242.4	225.1	212.1	194.8	186.1	181.8	181.8	177.5
55°	3125.0	2428.1	354.9	242.4	216.4	203.4	186.1	173.1	168.8	164.5	164.5
57.5°	3557.8	2748.4	350.6	238.1	203.4	190.4	173.1	160.1	155.8	155.8	151.5
60°	4085.8	3176.9	354.9	229.4	194.8	177.5	160.1	151.5	142.8	142.8	142.8
62.5°	4678.8	3644.4	354.9	225.1	190.4	168.8	151.5	138.5	134.2	129.8	129.8
65°	5280.4	4215.7	380.9	220.7	181.8	151.5	138.5	129.8	121.2	121.2	121.2
67.5°	5942.7	4912.5	519.4	220.7	173.1	138.5	125.5	116.9	112.5	112.5	112.5
70°	6799.6	6063.8	787.7	277.0	177.5	129.8	112.5	108.2	103.9	103.9	103.9
72.5°	8561.2	7392.6	627.6	385.2	207.8	116.9	99.5	95.2	95.2	90.9	90.9
75°	8569.9	6557.3	597.3	411.2	225.1	108.2	90.9	86.6	82.2	82.2	82.2
77.5°	6336.5	4280.6	510.7	320.3	194.8	95.2	82.2	77.9	73.6	73.6	73.6
80°	1869.8	1103.7	320.3	233.7	125.5	77.9	69.3	64.9	60.6	60.6	60.6
82.5°	320.3	290.0	147.2	125.5	77.9	60.6	56.3	51.9	47.6	47.6	47.6
85°	155.8	151.5	82.2	69.3	51.9	43.3	43.3	39.0	34.6	34.6	34.6
87.5°	95.2	86.6	60.6	39.0	30.3	21.6	26.0	21.6	21.6	17.3	17.3
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)