

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: P459637

Luminaire Tested: **GAN-SA6A-AMB-U-SL3**

Issue Date: 1/6/2021

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

**Test Information**

Test Method: LM-79-08
Report Number: P459637
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6A-AMB-U-SL3
Description: GALLEON ROADWAY AND AREA LUMINAIRE
(6) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6067 lumens
Efficiency: N/A
Efficacy: 51.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

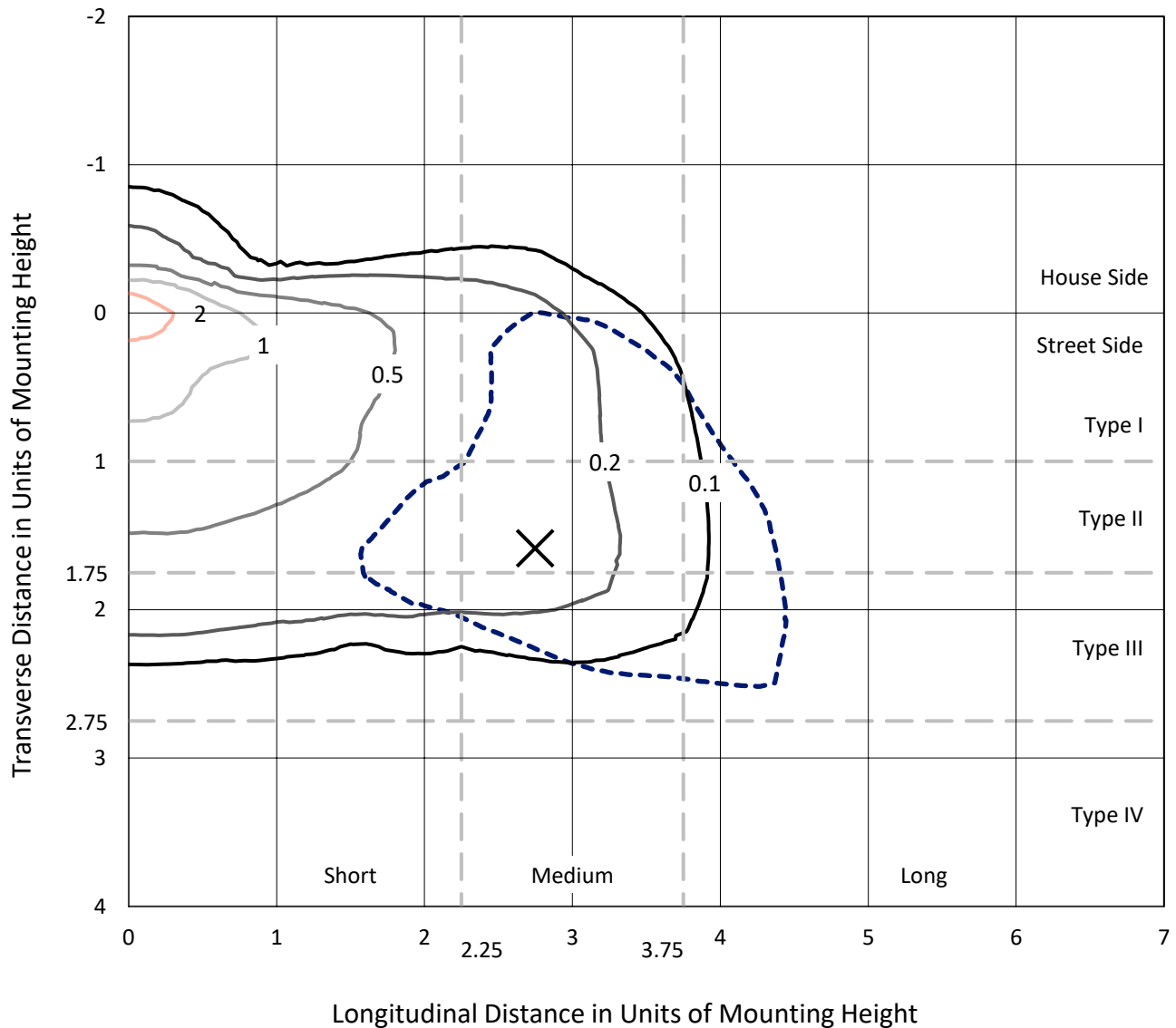
Input Watts (W): 119
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P459637
CATALOG NUMBER: GAN-SA6A-AMB-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

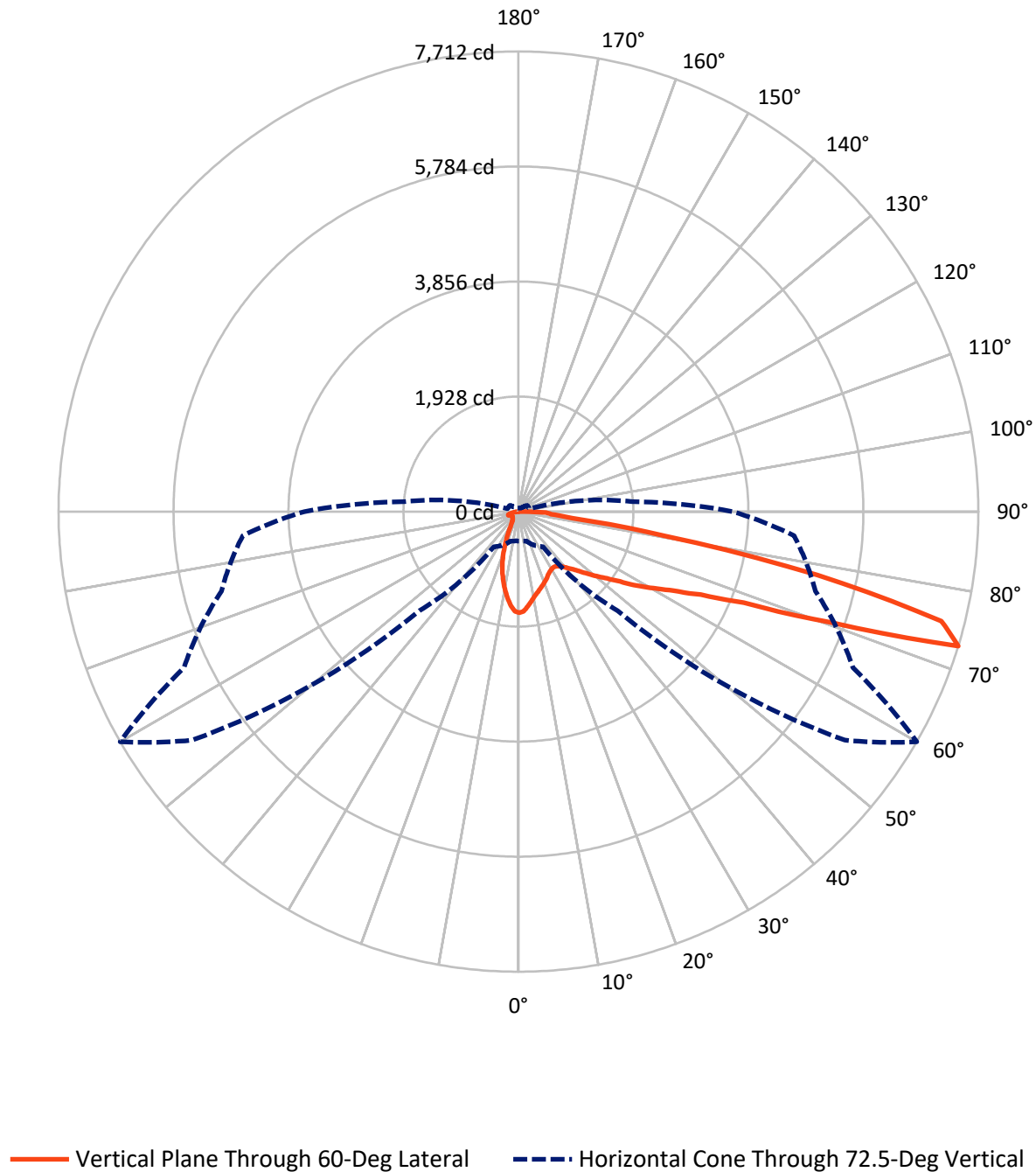
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
Type III - Medium - Non-Cutoff

REPORT NUMBER: P459637
CATALOG NUMBER: GAN-SA6A-AMB-U-SL3

Luminous Intensity Polar Plot



REPORT NUMBER: P459637

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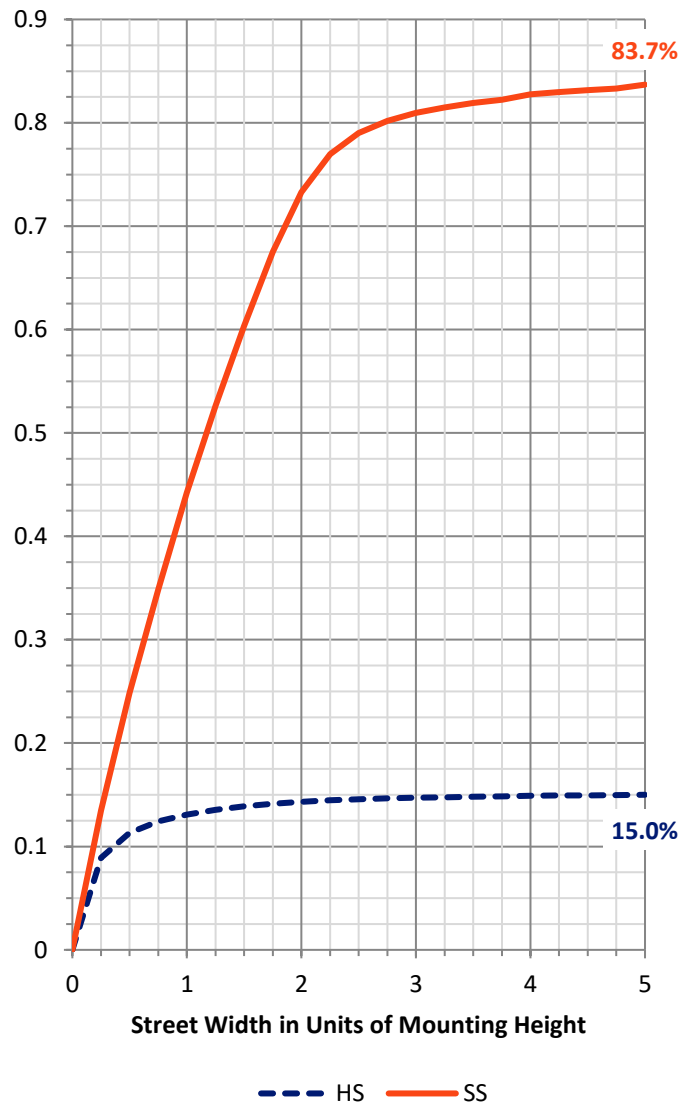
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	921.8	0.0	921.8
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	5145.2	0.0	5145.2
	% Fixture	84.8	0.0	84.8
Total	Lumens	6067.0	0.0	6067.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.4	2.3
10°-20°	302.2	5.0
20°-30°	373.6	6.2
30°-40°	472.3	7.8
40°-50°	670.9	11.1
50°-60°	1022.7	16.9
60°-70°	1542.5	25.4
70°-80°	1357.1	22.4
80°-90°	183.3	3.0
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°	6067.0	100.0
0°-180°	6067.0	100.0

Coefficient of Utilization



REPORT NUMBER: P459637

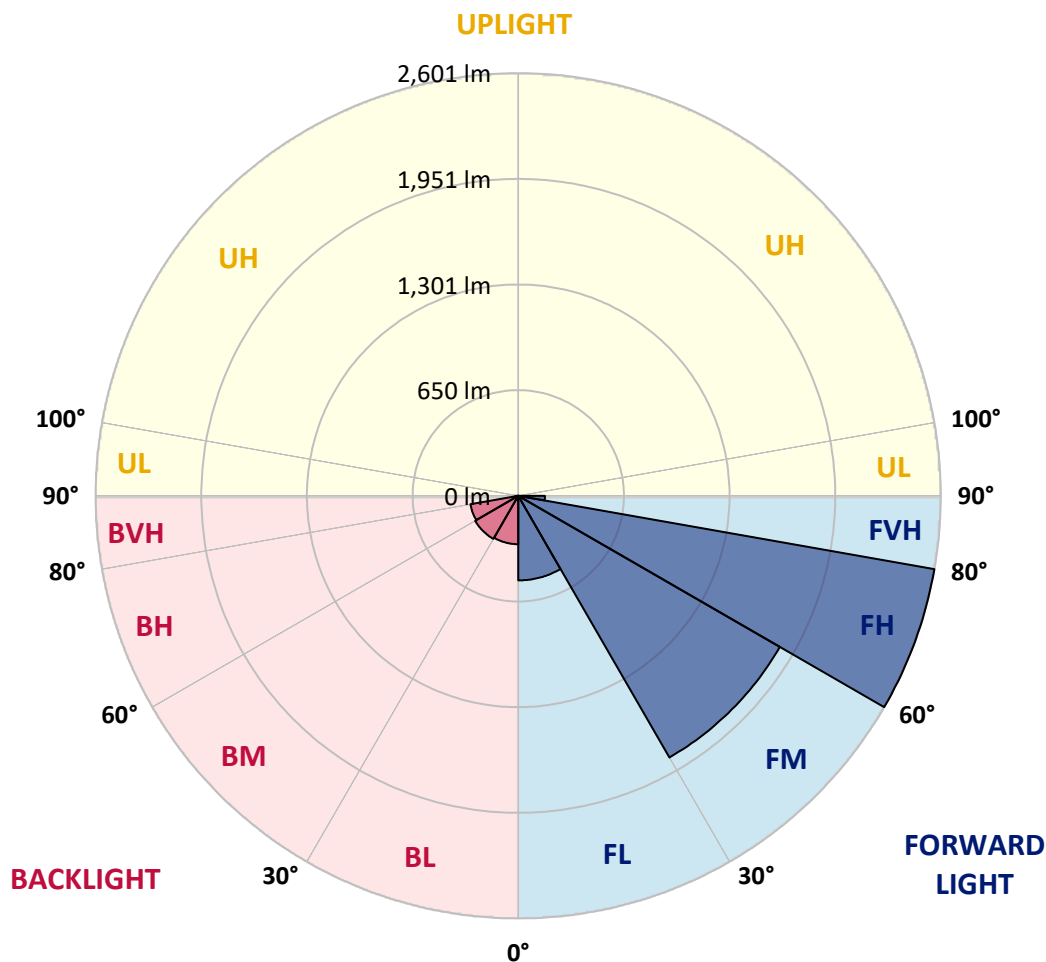
CATALOG NUMBER: GAN-SA6A-AMB-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	520.5	8.6			
FM	(30°-60°)	1859.5	30.6			
FH	(60°-80°)	2601.0	42.9			G2/5000
FVH	(80°-90°)	164.1	2.7			G2/225
BL	(0°-30°)	297.8	4.9	B1/500		
BM	(30°-60°)	306.3	5.0	B1/1000		
BH	(60°-80°)	298.6	4.9	B1/500		G1/500
BVH	(80°-90°)	19.1	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1696.0	1696.0	1696.0	1696.0	1696.0	1696.0	1696.0	1696.0	1696.0	1696.0	1696.0
2.5°	1649.3	1649.3	1649.3	1659.7	1662.2	1662.2	1672.6	1672.6	1670.0	1680.4	1677.8
5°	1548.1	1553.3	1553.3	1558.5	1574.1	1581.9	1597.4	1600.0	1607.8	1623.3	1633.7
7.5°	1423.7	1431.5	1444.4	1465.2	1480.7	1493.7	1522.2	1522.2	1535.2	1558.5	1576.7
10°	1307.0	1309.6	1319.9	1343.3	1374.4	1408.1	1441.8	1452.2	1467.8	1496.3	1524.8
12.5°	1226.6	1231.8	1237.0	1257.7	1291.4	1325.1	1377.0	1397.7	1415.9	1449.6	1488.5
15°	1141.0	1143.6	1156.6	1182.5	1224.0	1260.3	1319.9	1348.5	1377.0	1421.1	1462.6
17.5°	1084.0	1081.4	1091.7	1109.9	1154.0	1203.2	1268.1	1301.8	1335.5	1395.1	1439.2
20°	1052.8	1055.4	1055.4	1060.6	1089.1	1138.4	1213.6	1257.7	1301.8	1379.6	1426.3
22.5°	1045.1	1045.1	1037.3	1034.7	1047.7	1089.1	1164.4	1213.6	1265.5	1377.0	1418.5
25°	1045.1	1045.1	1037.3	1026.9	1026.9	1050.2	1117.7	1164.4	1226.6	1379.6	1408.1
27.5°	1063.2	1063.2	1052.8	1037.3	1024.3	1029.5	1081.4	1130.6	1200.7	1384.8	1400.3
30°	1091.7	1089.1	1081.4	1068.4	1042.5	1024.3	1063.2	1107.3	1174.7	1397.7	1395.1
32.5°	1120.3	1122.9	1117.7	1107.3	1078.8	1039.9	1060.6	1102.1	1169.5	1415.9	1395.1
35°	1164.4	1166.9	1166.9	1156.6	1133.2	1078.8	1086.6	1122.9	1185.1	1444.4	1405.5
37.5°	1213.6	1213.6	1221.4	1221.4	1192.9	1133.2	1135.8	1164.4	1216.2	1483.3	1431.5
40°	1262.9	1262.9	1275.9	1294.0	1270.7	1208.4	1211.0	1231.8	1278.5	1537.8	1483.3
42.5°	1325.1	1319.9	1348.5	1371.8	1361.4	1304.4	1291.4	1317.3	1351.1	1613.0	1561.1
45°	1369.2	1369.2	1413.3	1441.8	1465.2	1408.1	1400.3	1421.1	1454.8	1696.0	1670.0
47.5°	1421.1	1423.7	1470.3	1530.0	1566.3	1532.6	1522.2	1550.7	1574.1	1804.9	1807.5
50°	1465.2	1472.9	1535.2	1620.8	1680.4	1683.0	1664.8	1701.1	1701.1	1926.8	1968.2
52.5°	1524.8	1537.8	1618.2	1711.5	1810.1	1843.8	1849.0	1859.3	1861.9	2077.2	2147.2
55°	1675.2	1690.8	1758.2	1836.0	1952.7	2030.5	2084.9	2066.8	2046.0	2240.5	2333.9
57.5°	1942.3	1929.3	1955.3	1973.4	2087.5	2214.6	2349.4	2341.7	2279.4	2429.8	2533.6
60°	2173.1	2178.3	2212.0	2167.9	2243.1	2442.8	2601.0	2603.6	2497.3	2632.1	2717.7
62.5°	2193.9	2227.6	2370.2	2468.7	2582.8	2707.3	2948.5	2914.8	2777.3	2829.2	2932.9
65°	1786.7	1830.8	2064.2	2385.8	2974.4	3503.4	3373.8	3358.2	3119.6	3104.1	3236.3
67.5°	920.6	954.3	1078.8	1672.6	2676.2	4325.5	4411.0	4076.5	3591.6	3524.2	3684.9
70°	630.1	632.7	632.7	762.4	1307.0	3965.0	6275.6	5567.6	4530.3	4224.3	4426.6
72.5°	492.7	492.7	510.9	622.4	718.3	2352.0	6680.1	7712.2	6187.4	5155.3	4639.2
75°	368.2	370.8	404.5	518.6	700.2	702.8	5588.4	7325.8	6988.7	5085.3	3604.6
77.5°	280.1	274.9	319.0	427.9	682.0	640.5	3015.9	5119.0	4947.8	3456.7	1307.0
80°	176.3	184.1	215.2	357.9	653.5	640.5	1055.4	2497.3	1999.4	827.2	220.4
82.5°	101.1	106.3	134.8	223.0	586.1	637.9	658.7	905.0	495.3	204.9	103.7
85°	59.6	59.6	85.6	140.0	425.3	630.1	640.5	544.6	274.9	106.3	54.5
87.5°	25.9	31.1	49.3	67.4	191.9	531.6	580.9	461.6	199.7	59.6	28.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1696.0	1696.0	1696.0	1696.0	1696.0	1696.0	1696.0	1696.0	1696.0	1696.0	1696.0
2.5°	1675.2	1675.2	1670.0	1670.0	1672.6	1659.7	1657.1	1649.3	1654.5	1651.9	1641.5
5°	1631.1	1628.5	1623.3	1594.8	1579.3	1540.4	1540.4	1517.0	1509.2	1509.2	1493.7
7.5°	1576.7	1568.9	1535.2	1488.5	1444.4	1402.9	1364.0	1335.5	1314.8	1296.6	1299.2
10°	1524.8	1509.2	1454.8	1374.4	1304.4	1226.6	1166.9	1099.5	1063.2	1011.4	1032.1
12.5°	1483.3	1460.0	1371.8	1257.7	1154.0	1039.9	920.6	819.5	736.5	684.6	653.5
15°	1449.6	1410.7	1281.0	1138.4	998.4	832.4	671.6	534.2	430.5	399.4	401.9
17.5°	1418.5	1364.0	1200.7	1016.5	827.2	625.0	440.8	350.1	316.4	300.8	300.8
20°	1390.0	1309.6	1096.9	881.7	637.9	420.1	316.4	285.3	272.3	264.5	261.9
22.5°	1353.7	1260.3	995.8	741.7	456.4	303.4	261.9	246.4	243.8	243.8	243.8
25°	1325.1	1200.7	889.5	567.9	316.4	246.4	225.6	223.0	225.6	228.2	228.2
27.5°	1291.4	1141.0	783.1	399.4	241.2	207.5	199.7	204.9	210.0	215.2	215.2
30°	1260.3	1084.0	669.0	280.1	199.7	181.5	181.5	186.7	194.5	199.7	199.7
32.5°	1239.6	1042.5	534.2	220.4	176.3	166.0	168.6	171.2	178.9	181.5	181.5
35°	1224.0	1001.0	401.9	186.7	160.8	155.6	158.2	160.8	163.4	166.0	166.0
37.5°	1226.6	977.6	287.8	166.0	150.4	147.8	150.4	150.4	150.4	153.0	153.0
40°	1257.7	967.3	228.2	153.0	145.2	142.6	142.6	140.0	140.0	142.6	142.6
42.5°	1304.4	969.9	202.3	147.8	140.0	137.4	134.8	132.3	132.3	132.3	132.3
45°	1379.6	995.8	186.7	142.6	137.4	132.3	127.1	124.5	124.5	129.7	129.7
47.5°	1491.1	1034.7	171.2	140.0	132.3	124.5	121.9	119.3	121.9	124.5	127.1
50°	1620.8	1068.4	163.4	137.4	132.3	119.3	116.7	114.1	116.7	124.5	124.5
52.5°	1771.2	1117.7	160.8	137.4	129.7	116.7	111.5	111.5	114.1	121.9	121.9
55°	1939.7	1192.9	163.4	137.4	127.1	114.1	108.9	106.3	111.5	116.7	116.7
57.5°	2116.1	1294.0	168.6	137.4	121.9	114.1	106.3	101.1	103.7	108.9	108.9
60°	2292.4	1431.5	176.3	134.8	119.3	111.5	103.7	95.9	95.9	101.1	101.1
62.5°	2502.4	1602.6	202.3	140.0	119.3	106.3	95.9	88.2	88.2	90.8	90.8
65°	2777.3	1851.6	241.2	158.2	129.7	101.1	88.2	80.4	80.4	80.4	80.4
67.5°	3231.1	2248.3	256.7	176.3	147.8	101.1	83.0	75.2	72.6	72.6	70.0
70°	3822.4	2507.6	228.2	184.1	176.3	103.7	77.8	67.4	64.8	64.8	62.2
72.5°	3589.0	1911.2	194.5	178.9	178.9	106.3	75.2	64.8	59.6	57.1	57.1
75°	2466.1	886.9	171.2	166.0	155.6	90.8	70.0	59.6	54.5	49.3	49.3
77.5°	726.1	238.6	142.6	145.2	119.3	75.2	64.8	54.5	49.3	44.1	44.1
80°	171.2	137.4	103.7	106.3	80.4	57.1	51.9	49.3	44.1	38.9	38.9
82.5°	98.5	88.2	72.6	67.4	49.3	38.9	41.5	41.5	38.9	33.7	31.1
85°	49.3	51.9	44.1	38.9	31.1	25.9	25.9	28.5	25.9	20.7	20.7
87.5°	28.5	25.9	28.5	20.7	15.6	13.0	15.6	15.6	15.6	10.4	10.4
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)