

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: P459639

Luminaire Tested: **GAN-SA6A-AMB-U-SL4**

Issue Date: 1/6/2021

Test Information

Test Method: LM-79-08
Report Number: P459639
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6A-AMB-U-SL4
Description: GALLEON ROADWAY AND AREA LUMINAIRE
(6) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5774 lumens
Efficiency: N/A
Efficacy: 48.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G3

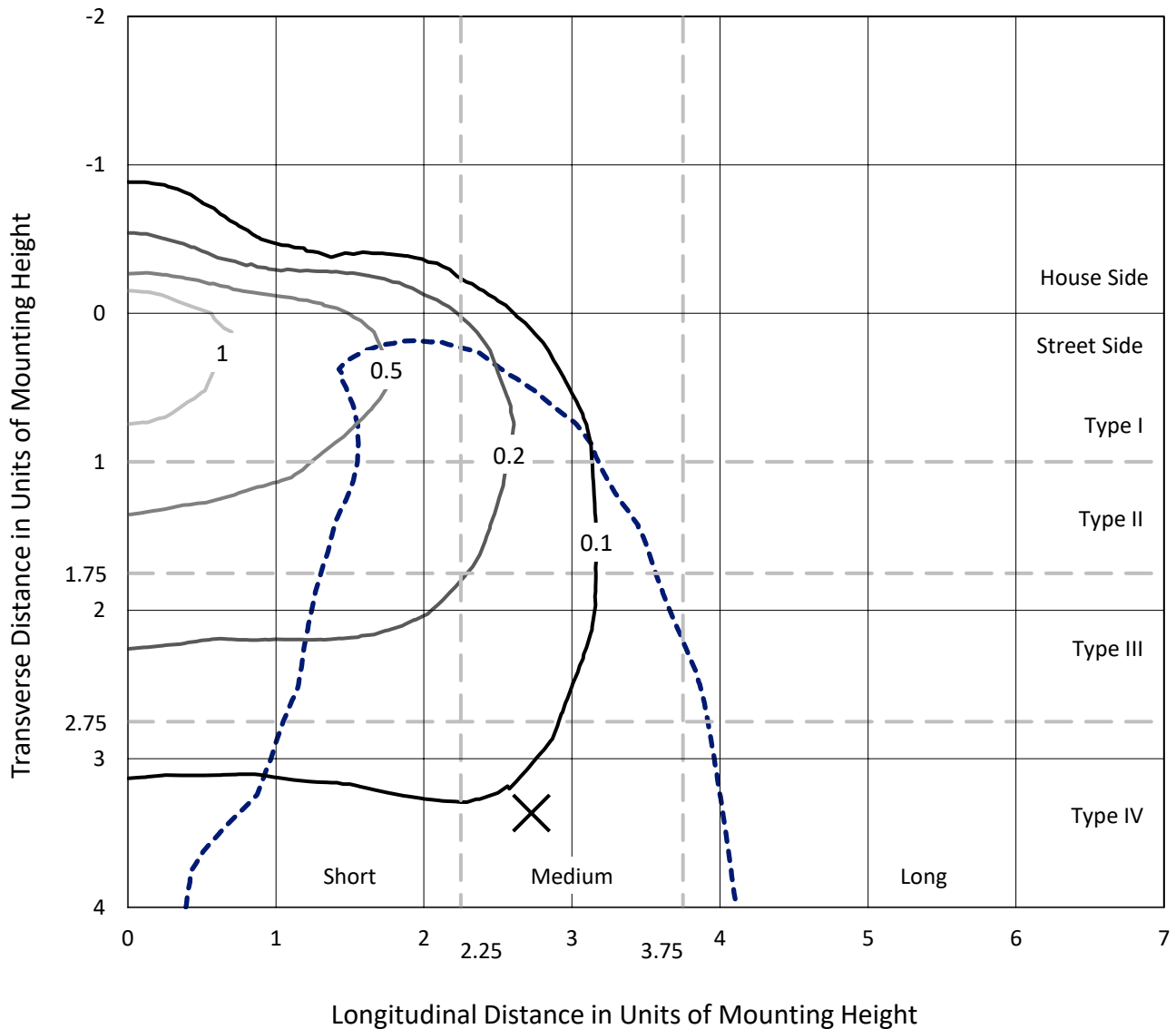
Input Watts (W): 119
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

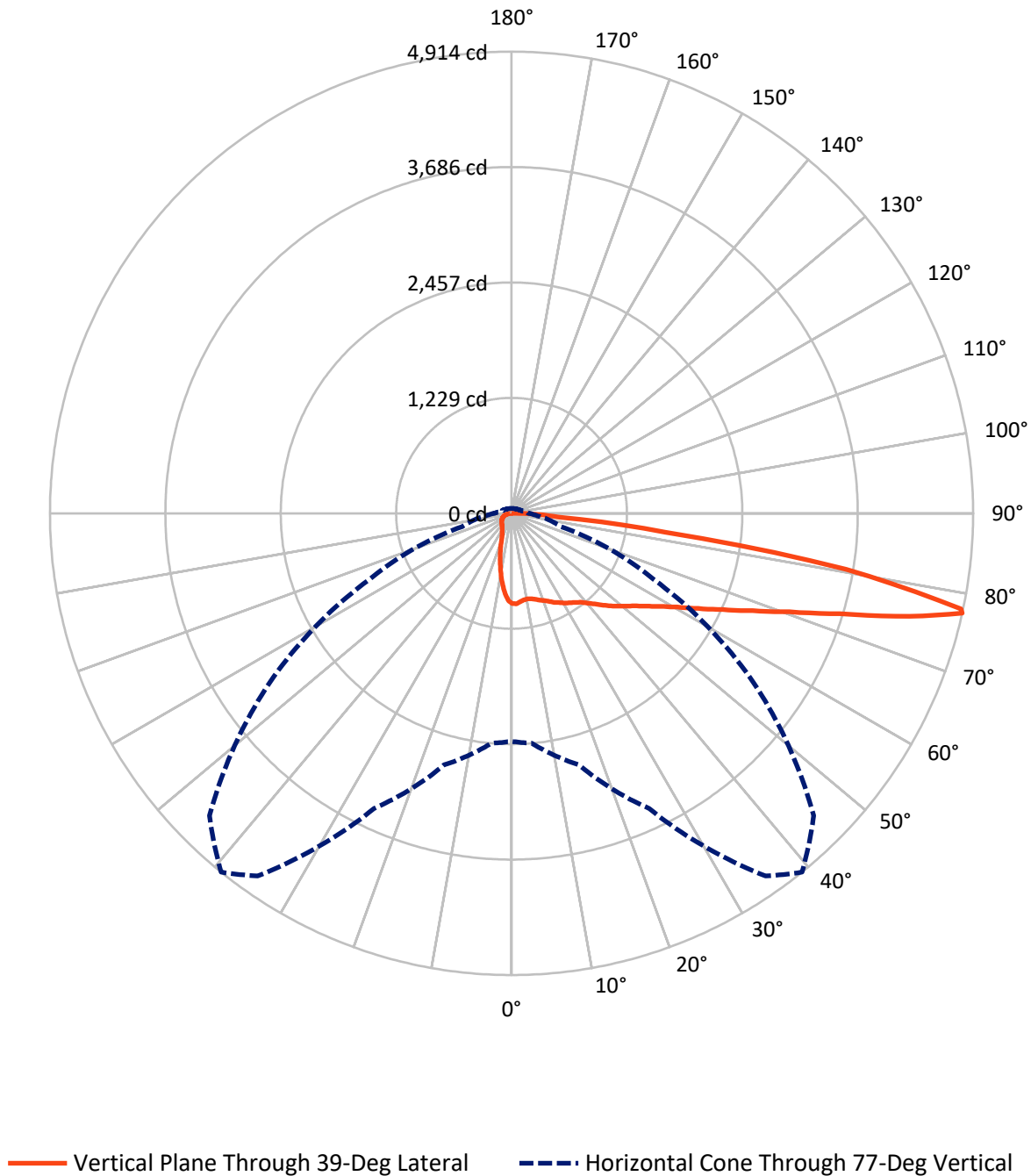
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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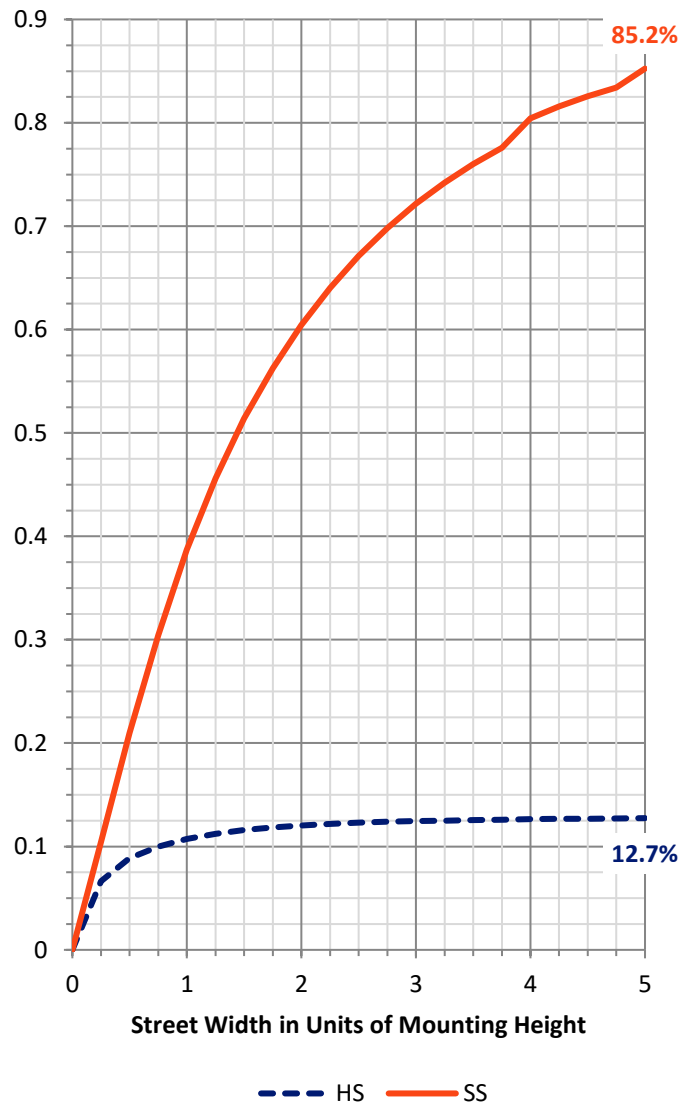
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	744.9	0.0	744.9
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	5029.1	0.0	5029.1
	% Fixture	87.1	0.0	87.1
Total	Lumens	5774.0	0.0	5774.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.8	1.5
10°-20°	210.3	3.6
20°-30°	321.3	5.6
30°-40°	462.0	8.0
40°-50°	670.8	11.6
50°-60°	962.8	16.7
60°-70°	1326.1	23.0
70°-80°	1430.9	24.8
80°-90°	306.1	5.3
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°	5774.0	100.0
0°-180°	5774.0	100.0

Coefficient of Utilization



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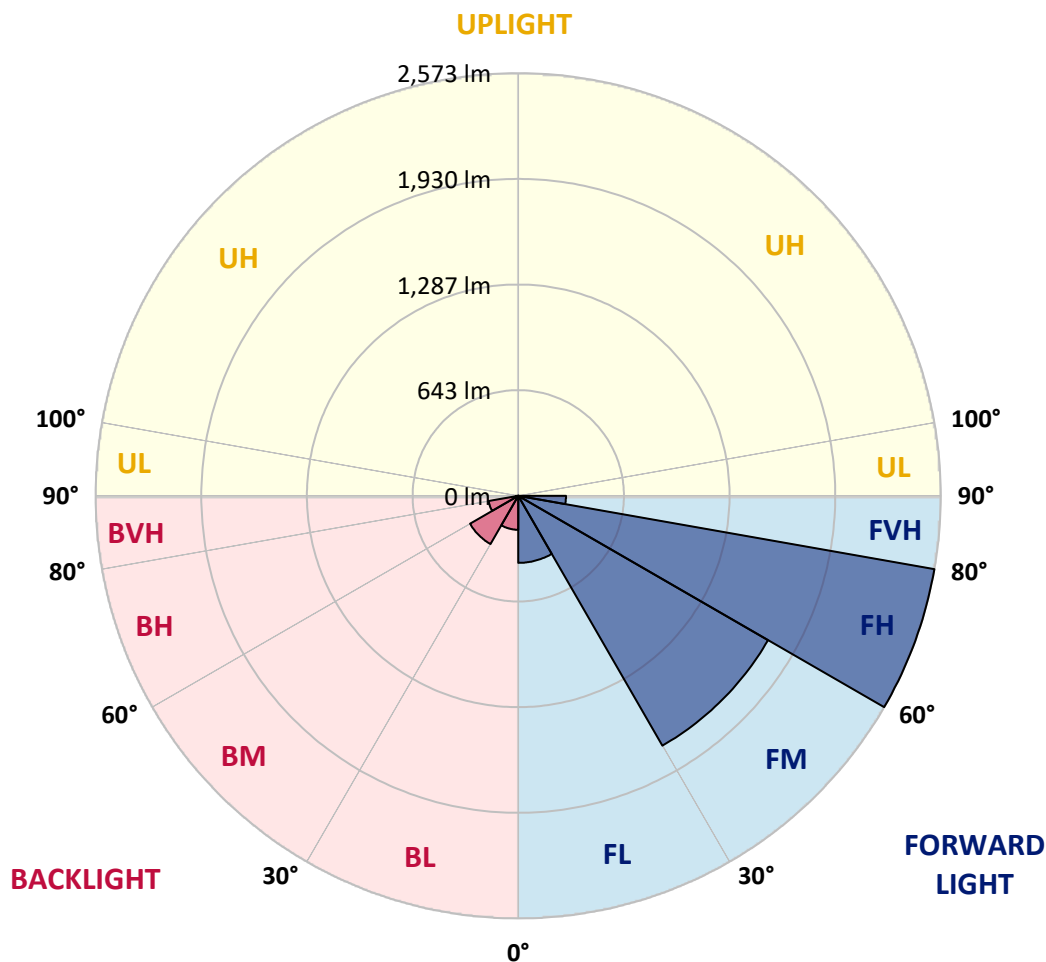
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	408.4	7.1			
FM	(30°-60°)	1756.6	30.4			
FH	(60°-80°)	2573.4	44.6			G2/5000
FVH	(80°-90°)	290.7	5.0			G3/500
BL	(0°-30°)	207.0	3.6	B1/500		
BM	(30°-60°)	339.0	5.9	B1/1000		
BH	(60°-80°)	183.5	3.2	B1/500		G1/500
BVH	(80°-90°)	15.4	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-G3

Type IV Medium



Cooper Lighting Solutions Photometric Lab

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5
2.5°	969.9	962.1	962.1	969.9	964.7	964.7	959.5	964.7	959.5	954.3	959.5
5°	956.9	951.7	949.1	956.9	951.7	946.5	951.7	949.1	946.5	936.2	936.2
7.5°	933.6	928.4	928.4	936.2	938.8	931.0	933.6	936.2	928.4	918.0	920.6
10°	912.8	910.2	915.4	925.8	931.0	925.8	931.0	928.4	918.0	907.6	905.0
12.5°	897.3	894.7	902.5	923.2	933.6	933.6	936.2	928.4	920.6	907.6	897.3
15°	886.9	886.9	902.5	928.4	943.9	949.1	951.7	946.5	928.4	910.2	897.3
17.5°	892.1	889.5	910.2	941.4	959.5	972.5	972.5	964.7	941.4	918.0	902.5
20°	905.0	899.9	925.8	964.7	988.0	990.6	995.8	980.3	956.9	931.0	912.8
22.5°	910.2	923.2	951.7	995.8	1008.8	1016.6	1016.6	1001.0	967.3	949.1	928.4
25°	951.7	954.3	988.0	1026.9	1039.9	1050.3	1045.1	1011.4	982.8	972.5	954.3
27.5°	995.8	998.4	1032.1	1060.6	1068.4	1076.2	1078.8	1032.1	1003.6	1001.0	977.7
30°	1034.7	1045.1	1078.8	1099.5	1099.5	1107.3	1104.7	1063.2	1032.1	1037.3	1014.0
32.5°	1102.1	1099.5	1133.3	1135.8	1122.9	1135.8	1135.8	1089.2	1068.4	1091.8	1055.5
35°	1159.2	1169.6	1185.1	1172.2	1154.0	1164.4	1169.6	1125.5	1115.1	1161.8	1122.9
37.5°	1237.0	1229.2	1237.0	1213.6	1187.7	1200.7	1213.6	1174.7	1179.9	1247.4	1198.1
40°	1296.6	1283.7	1288.9	1257.7	1231.8	1257.7	1270.7	1234.4	1257.7	1366.6	1307.0
42.5°	1345.9	1335.5	1325.2	1307.0	1286.3	1320.0	1340.7	1312.2	1361.5	1498.9	1441.9
45°	1379.6	1371.8	1356.3	1353.7	1356.3	1397.8	1423.7	1400.4	1467.8	1664.9	1592.3
47.5°	1400.4	1392.6	1395.2	1400.4	1421.1	1475.6	1522.2	1498.9	1607.8	1838.6	1734.9
50°	1428.9	1415.9	1418.5	1462.6	1493.7	1550.8	1626.0	1615.6	1758.2	2022.7	1890.5
52.5°	1465.2	1444.4	1444.4	1522.2	1571.5	1636.3	1732.3	1745.3	1913.8	2212.1	2048.7
55°	1524.8	1498.9	1480.8	1587.1	1672.7	1742.7	1854.2	1911.2	2082.4	2409.1	2193.9
57.5°	1589.7	1563.7	1535.2	1670.1	1784.2	1867.1	1994.2	2077.2	2274.3	2585.5	2297.6
60°	1690.8	1644.1	1615.6	1776.4	1939.8	2025.3	2180.9	2287.3	2476.6	2746.3	2391.0
62.5°	1763.4	1727.1	1719.3	1911.2	2131.7	2230.2	2378.0	2489.5	2663.3	2901.9	2471.4
65°	1838.6	1817.9	1820.5	2056.5	2359.9	2468.8	2629.6	2748.9	2904.5	3044.5	2479.2
67.5°	1944.9	1924.2	1968.3	2232.8	2624.4	2767.0	2930.4	3034.1	3132.7	3067.8	2339.1
70°	2085.0	2059.0	2139.4	2445.4	2953.7	3137.8	3324.6	3436.1	3244.2	2987.4	1890.5
72.5°	2230.2	2212.1	2344.3	2748.9	3415.3	3651.3	3864.0	3801.7	3298.6	2562.1	1231.8
75°	2406.5	2411.7	2624.4	3140.4	4151.8	4377.4	4556.4	3941.8	2785.2	1514.5	469.4
77°	2427.3	2455.8	2772.2	3467.2	4712.0	4914.2	4548.6	3148.2	1675.2	542.0	264.5
77.5°	2341.7	2367.6	2738.5	3513.9	4779.4	4890.9	4406.0	2940.8	1343.3	435.7	233.4
80°	1745.3	1719.3	2123.9	2930.4	3840.6	3612.4	2637.3	1141.0	391.6	225.6	142.6
82.5°	689.8	736.5	993.2	1444.4	1877.5	1649.3	988.0	497.9	236.0	121.9	59.6
85°	319.0	342.3	373.4	383.8	484.9	500.5	370.8	461.6	171.2	57.1	36.3
87.5°	233.4	243.8	274.9	243.8	236.0	223.0	272.3	503.1	85.6	33.7	18.2
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°	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5
2.5°	951.7	943.9	946.5	943.9	938.8	933.6	928.4	923.2	925.8	925.8	918.0
5°	931.0	920.6	915.4	902.5	886.9	871.3	853.2	840.2	829.8	824.7	829.8
7.5°	910.2	897.3	886.9	855.8	829.8	785.8	757.2	718.3	713.1	708.0	702.8
10°	894.7	884.3	858.4	816.9	762.4	710.6	645.7	604.2	578.3	562.7	567.9
12.5°	884.3	871.3	829.8	765.0	695.0	617.2	544.6	490.1	459.0	438.3	433.1
15°	881.7	858.4	798.7	713.1	619.8	531.6	459.0	394.2	344.9	329.3	324.2
17.5°	881.7	850.6	770.2	658.7	549.8	451.2	370.8	311.2	269.7	254.1	249.0
20°	886.9	848.0	736.5	604.2	479.8	370.8	300.8	251.5	228.2	217.8	217.8
22.5°	894.7	845.4	700.2	544.6	412.3	311.2	249.0	220.4	210.1	202.3	202.3
25°	910.2	842.8	669.1	490.1	352.7	267.1	223.0	204.9	194.5	191.9	191.9
27.5°	931.0	845.4	637.9	438.3	298.2	236.0	204.9	194.5	189.3	186.7	186.7
30°	951.7	850.6	604.2	381.2	259.3	212.6	191.9	184.1	181.5	178.9	178.9
32.5°	975.1	855.8	565.3	334.5	230.8	194.5	181.5	176.3	176.3	173.7	171.2
35°	1014.0	866.1	521.2	290.4	207.5	181.5	173.7	168.6	168.6	166.0	166.0
37.5°	1068.4	879.1	477.2	259.3	191.9	171.2	163.4	163.4	160.8	160.8	158.2
40°	1148.8	915.4	440.9	233.4	178.9	163.4	158.2	155.6	155.6	153.0	153.0
42.5°	1239.6	959.5	407.1	215.2	171.2	155.6	150.4	150.4	150.4	147.8	145.2
45°	1345.9	1001.0	376.0	202.3	163.4	150.4	145.2	145.2	142.6	140.0	140.0
47.5°	1460.0	1052.9	355.3	194.5	160.8	147.8	142.6	137.4	137.4	134.8	134.8
50°	1574.1	1096.9	337.1	189.3	158.2	142.6	137.4	134.8	132.3	127.1	127.1
52.5°	1683.0	1143.6	331.9	184.1	153.0	140.0	132.3	129.7	127.1	121.9	121.9
55°	1776.4	1198.1	337.1	181.5	150.4	134.8	127.1	124.5	121.9	116.7	116.7
57.5°	1843.8	1226.6	339.7	181.5	147.8	127.1	119.3	121.9	116.7	114.1	114.1
60°	1913.8	1252.5	337.1	181.5	145.2	119.3	111.5	116.7	114.1	111.5	111.5
62.5°	1960.5	1242.2	324.2	181.5	142.6	114.1	106.3	114.1	116.7	111.5	114.1
65°	1893.1	1125.5	285.3	176.3	142.6	108.9	98.5	111.5	119.3	116.7	116.7
67.5°	1649.3	850.6	238.6	166.0	137.4	106.3	90.8	101.1	111.5	108.9	111.5
70°	1169.6	513.5	197.1	147.8	124.5	101.1	85.6	85.6	88.2	90.8	93.4
72.5°	606.8	280.1	160.8	129.7	108.9	90.8	77.8	72.6	72.6	72.6	75.2
75°	267.1	184.1	132.3	106.3	90.8	77.8	70.0	62.2	62.2	59.6	59.6
77°	186.7	145.2	108.9	88.2	75.2	64.8	62.2	54.5	54.5	51.9	51.9
77.5°	168.6	134.8	106.3	83.0	72.6	62.2	59.6	51.9	51.9	51.9	51.9
80°	114.1	106.3	80.4	62.2	57.1	49.3	46.7	44.1	41.5	41.5	41.5
82.5°	67.4	77.8	57.1	44.1	41.5	36.3	33.7	33.7	33.7	31.1	28.5
85°	41.5	57.1	36.3	28.5	28.5	23.3	23.3	20.7	20.7	18.2	18.2
87.5°	18.2	36.3	20.7	13.0	10.4	7.8	10.4	7.8	7.8	5.2	7.8
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)