

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: P1210040

Luminaire Tested: **ARCH1-60-727-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210040
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH1-60-727-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2700K, 1640mA LIGHTSQUARE WITH 10 LEDS AND TYPE II ROADWAY
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

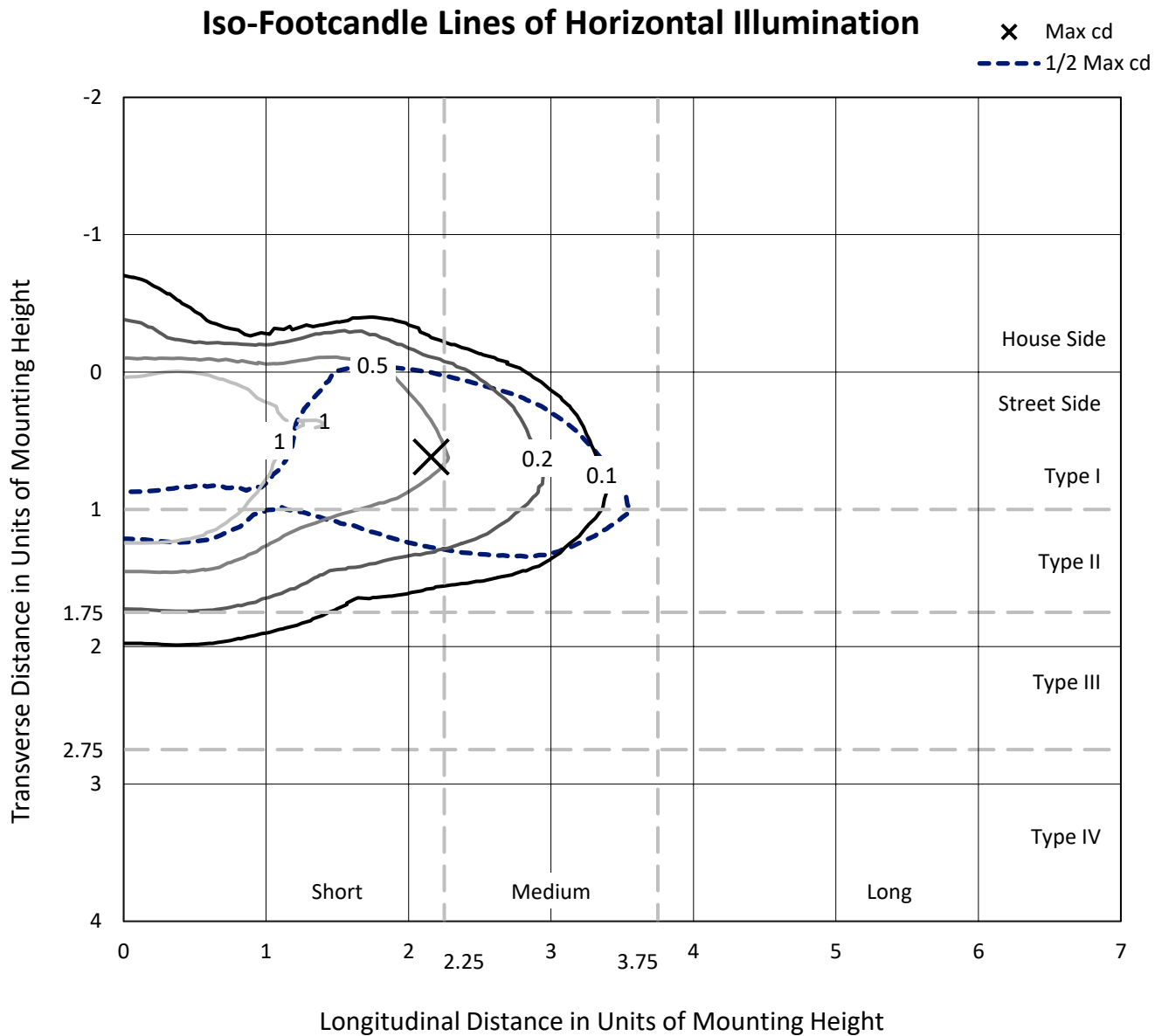
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4993 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 60
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

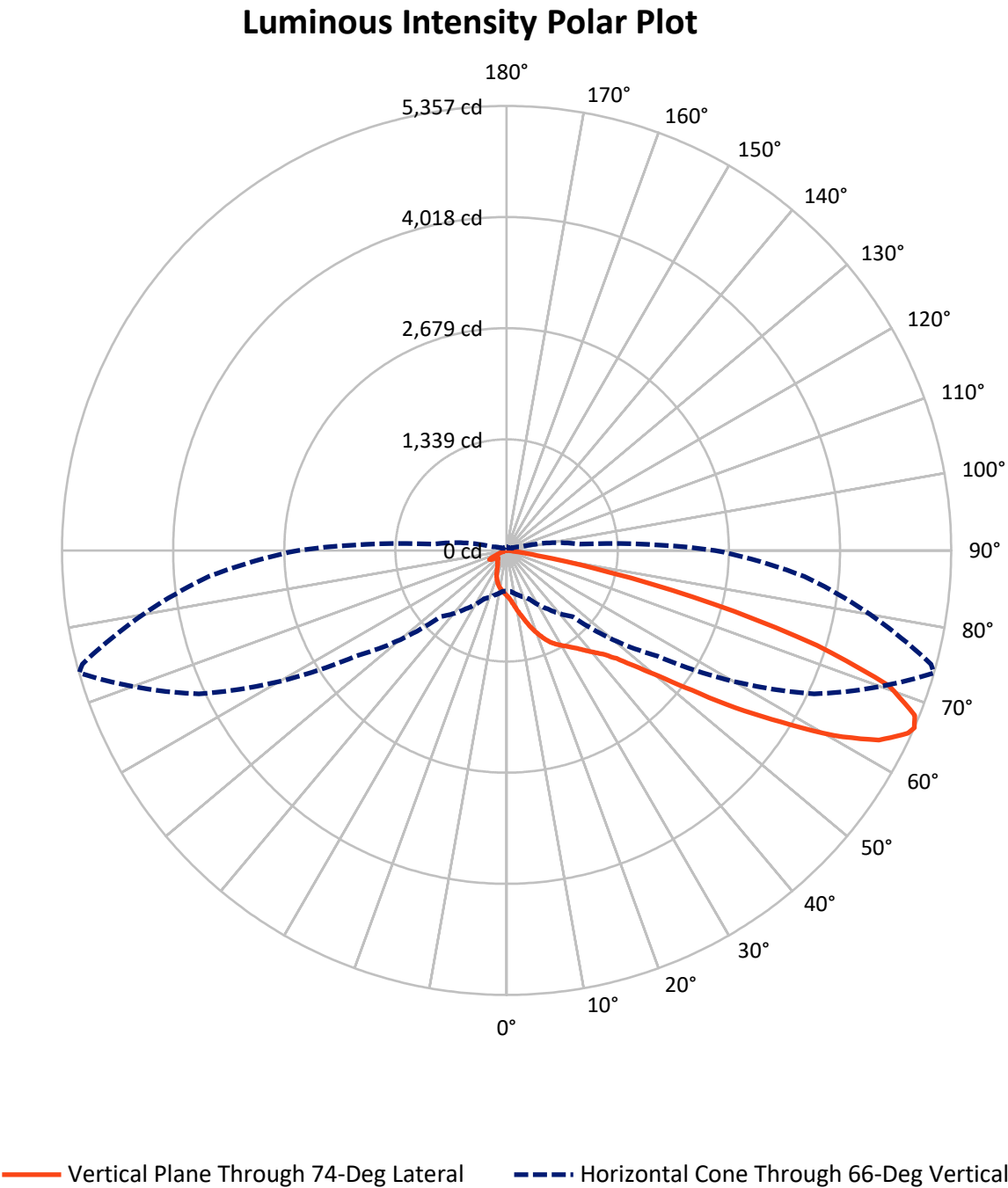


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Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
Type II - Short - N/A

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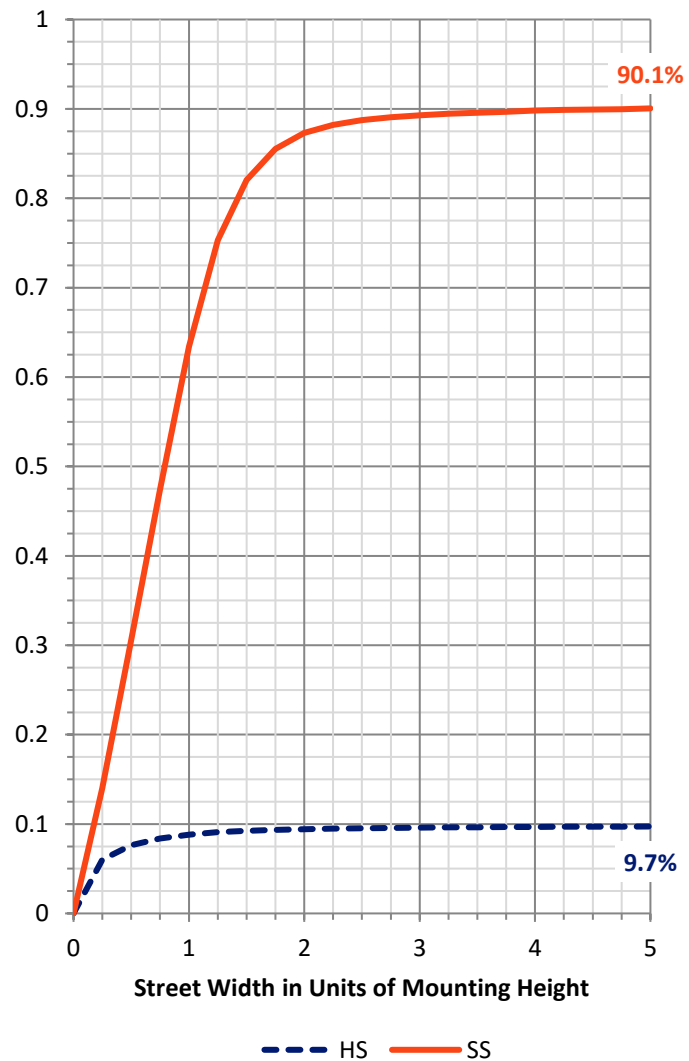
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	489.5	0.0	489.5
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	4503.5	0.0	4503.5
	% Fixture	90.2	0.0	90.2
Total	Lumens	4993.0	0.0	4993.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.2	1.1
10°-20°	170.5	3.4
20°-30°	325.5	6.5
30°-40°	570.5	11.4
40°-50°	978.2	19.6
50°-60°	1272.3	25.5
60°-70°	1151.7	23.1
70°-80°	444.4	8.9
80°-90°	26.8	0.5
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°	4993.0	100.0
0°-180°	4993.0	100.0

Coefficient of Utilization



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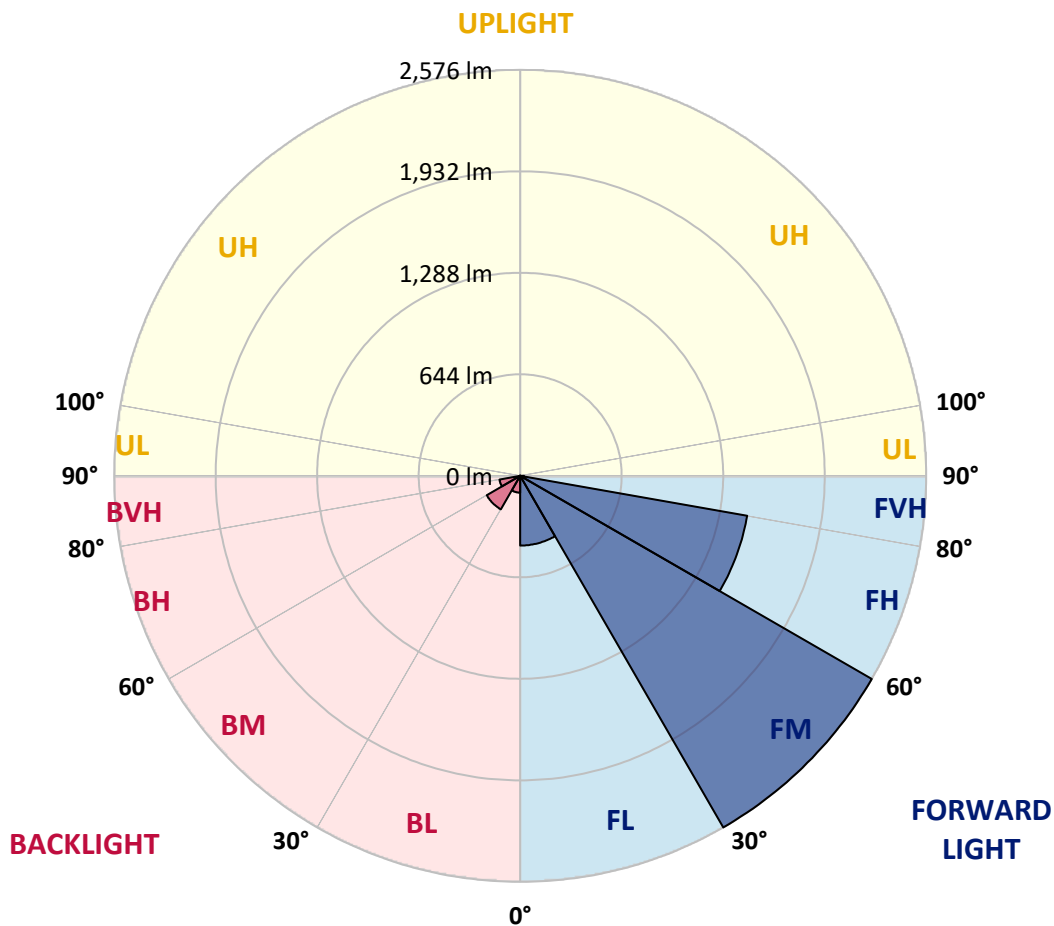
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	442.5	8.9			
FM	(30°-60°)	2575.6	51.6			
FH	(60°-80°)	1462.3	29.3			G1/1800
FVH	(80°-90°)	23.2	0.5			G1/100
BL	(0°-30°)	106.8	2.1	B0/110		
BM	(30°-60°)	245.3	4.9	B1/1000		
BH	(60°-80°)	133.8	2.7	B1/500		G1/500
BVH	(80°-90°)	3.6	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0
2.5°	654.4	649.0	639.2	638.3	630.2	620.3	603.3	585.4	572.8	571.0	555.8
5°	783.5	780.8	770.9	764.7	749.4	726.1	686.7	647.2	614.1	610.5	576.4
7.5°	817.5	819.3	821.1	827.4	822.0	811.3	781.7	726.1	674.1	666.0	606.9
10°	822.9	821.1	821.1	829.2	844.4	859.7	856.1	808.6	741.3	731.5	649.0
12.5°	881.2	883.9	877.6	874.0	871.3	879.4	906.3	885.7	812.2	804.1	700.1
15°	956.5	955.6	946.6	946.6	938.6	925.1	942.1	957.4	897.3	887.5	758.4
17.5°	1011.2	1014.8	1013.9	1019.2	1016.6	998.6	989.7	1021.0	985.2	972.6	824.7
20°	1055.1	1065.0	1068.5	1085.6	1093.6	1081.1	1057.8	1077.5	1069.4	1057.8	891.9
22.5°	1101.7	1109.8	1116.1	1145.6	1168.0	1165.4	1135.8	1131.3	1151.0	1140.3	958.3
25°	1148.3	1151.9	1170.7	1206.6	1242.5	1251.4	1220.9	1186.0	1224.5	1214.7	1017.4
27.5°	1199.4	1201.2	1223.6	1267.6	1317.8	1336.6	1312.4	1247.8	1281.0	1281.0	1071.2
30°	1292.7	1310.6	1319.5	1359.0	1402.9	1428.9	1400.2	1313.3	1331.2	1339.3	1127.7
32.5°	1493.5	1496.1	1493.5	1510.5	1519.4	1534.7	1501.5	1386.8	1382.3	1391.3	1183.3
35°	1800.0	1789.3	1760.6	1735.5	1683.5	1654.8	1611.8	1480.9	1445.0	1457.6	1238.0
37.5°	2172.0	2156.8	2091.4	2014.3	1903.1	1788.4	1734.6	1595.6	1524.8	1541.0	1297.1
40°	2527.0	2517.2	2439.2	2344.2	2154.1	1957.8	1844.0	1692.5	1613.6	1619.8	1357.2
42.5°	2819.3	2817.5	2752.0	2652.5	2408.7	2140.7	1973.0	1787.5	1706.8	1716.7	1419.9
45°	3040.7	3023.7	2975.2	2903.5	2655.2	2330.7	2129.0	1931.8	1856.5	1868.2	1514.1
47.5°	3040.7	3043.4	3074.8	3067.6	2827.3	2509.1	2299.3	2113.8	2077.9	2088.7	1669.2
50°	2793.3	2818.4	2958.2	3075.6	2917.0	2648.1	2483.1	2341.5	2378.2	2394.4	1939.9
52.5°	2303.8	2346.0	2588.9	2856.9	2850.6	2718.0	2673.2	2631.0	2796.0	2824.6	2339.7
55°	1750.7	1778.5	2095.0	2447.3	2562.0	2660.6	2839.0	2998.6	3349.1	3342.8	2745.8
57.5°	1307.9	1333.9	1606.4	1997.2	2148.7	2412.3	2924.2	3419.0	3897.7	3921.9	3126.7
60°	961.9	981.6	1213.8	1534.7	1753.4	2032.2	2890.1	3833.1	4529.7	4501.9	3462.9
62.5°	711.8	722.5	890.2	1099.0	1389.5	1655.7	2675.8	4116.4	5034.3	4977.9	3650.3
65°	550.4	554.0	640.9	752.1	1010.3	1287.3	2356.7	4159.4	5313.1	5253.1	3646.7
66°	490.3	493.0	556.7	642.7	859.7	1126.8	2216.9	4090.4	5357.1	5293.4	3601.9
67.5°	411.5	409.7	447.3	503.8	645.4	869.5	1968.6	3888.7	5305.1	5272.8	3458.4
70°	304.8	305.7	324.5	338.0	377.4	481.4	1421.7	3373.3	4889.1	4887.3	3064.9
72.5°	225.9	228.6	242.9	245.6	235.8	260.9	819.3	2683.0	3911.1	3912.0	2291.3
75°	169.4	173.9	178.4	180.2	171.2	164.9	370.2	1805.4	2572.8	2553.9	1297.1
77.5°	129.1	130.9	134.5	131.8	130.0	113.8	154.2	880.3	1270.2	1157.3	420.4
80°	94.1	94.1	97.7	94.1	93.2	81.6	84.3	282.4	372.9	310.2	90.5
82.5°	59.2	58.3	61.0	60.1	58.3	52.0	49.3	78.9	86.1	77.1	43.9
85°	33.2	32.3	31.4	30.5	27.8	23.3	26.9	29.6	39.4	40.3	31.4
87.5°	11.7	11.7	10.8	9.9	8.1	8.1	9.9	9.9	14.3	14.3	16.1
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°	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0
2.5°	548.6	538.8	524.4	505.6	492.1	478.7	464.4	456.3	444.6	441.9	445.5
5°	558.5	540.5	504.7	465.2	431.2	400.7	372.0	355.0	338.0	331.7	334.4
7.5°	579.1	548.6	487.7	424.0	367.5	321.8	287.8	268.0	252.8	246.5	248.3
10°	609.6	563.0	471.5	377.4	304.8	256.4	227.7	215.1	206.2	202.6	203.5
12.5°	646.3	583.6	450.9	330.8	251.0	208.9	195.4	192.7	190.9	189.1	190.0
15°	687.6	601.5	426.7	285.1	208.9	185.6	181.1	180.2	179.3	179.3	179.3
17.5°	730.6	617.6	399.8	242.0	182.0	171.2	168.5	168.5	168.5	169.4	169.4
20°	770.9	630.2	368.4	203.5	166.7	157.8	156.0	156.0	156.9	157.8	157.8
22.5°	810.4	635.6	331.7	176.6	154.2	146.1	143.4	143.4	143.4	144.3	144.3
25°	844.4	635.6	294.9	159.6	143.4	135.4	131.8	130.9	131.8	131.8	131.8
27.5°	873.1	632.9	259.1	147.9	132.7	124.6	121.0	120.1	121.9	122.8	122.8
30°	903.6	629.3	230.4	137.2	123.7	115.6	112.1	112.1	114.7	118.3	118.3
32.5°	933.2	632.0	208.0	128.2	114.7	108.5	104.9	105.8	111.2	116.5	116.5
35°	964.6	637.4	194.5	121.9	108.5	102.2	99.5	102.2	107.6	113.0	113.0
37.5°	995.9	643.6	186.5	116.5	103.1	96.8	95.0	98.6	104.9	110.3	111.2
40°	1029.1	649.0	177.5	111.2	99.5	92.3	91.4	95.0	103.1	108.5	109.4
42.5°	1070.3	659.8	166.7	106.7	95.9	87.0	87.9	90.5	98.6	106.7	107.6
45°	1151.0	693.8	156.0	102.2	91.4	84.3	82.5	84.3	93.2	102.2	104.0
47.5°	1302.5	770.9	144.3	97.7	87.0	82.5	75.3	77.1	85.2	95.0	95.9
50°	1593.0	935.0	138.1	93.2	83.4	76.2	68.1	68.1	74.4	83.4	83.4
52.5°	2045.7	1229.0	141.6	89.6	78.9	69.9	61.9	61.0	64.5	70.8	70.8
55°	2534.2	1551.7	155.1	86.1	73.5	66.3	57.4	52.9	55.6	59.2	59.2
57.5°	2921.5	1714.0	191.8	84.3	67.2	63.6	52.0	45.7	48.4	52.0	52.0
60°	3091.8	1619.0	233.1	86.1	62.8	59.2	46.6	40.3	44.8	48.4	49.3
62.5°	2953.7	1333.0	250.1	81.6	56.5	52.9	45.7	37.7	43.0	45.7	46.6
65°	2655.2	1013.0	195.4	70.8	52.0	45.7	41.2	35.9	40.3	43.0	43.0
66°	2513.6	883.0	166.7	65.4	50.2	43.0	39.4	35.9	39.4	41.2	42.1
67.5°	2294.0	696.5	123.7	57.4	46.6	39.4	36.8	34.1	37.7	39.4	39.4
70°	1793.8	415.0	74.4	44.8	40.3	35.0	33.2	31.4	34.1	35.0	35.0
72.5°	1123.2	197.2	47.5	33.2	34.1	33.2	27.8	29.6	30.5	31.4	31.4
75°	544.1	78.0	32.3	24.2	27.8	31.4	22.4	26.0	26.9	28.7	27.8
77.5°	151.5	37.7	20.6	17.9	24.2	24.2	17.0	20.6	24.2	30.5	27.8
80°	43.9	24.2	13.4	13.4	17.0	17.0	11.7	14.3	16.1	17.9	18.8
82.5°	30.5	16.1	9.0	9.9	9.9	10.8	7.2	7.2	9.0	9.0	9.9
85°	24.2	7.2	5.4	6.3	4.5	5.4	3.6	3.6	4.5	3.6	3.6
87.5°	9.9	3.6	3.6	3.6	2.7	2.7	1.8	0.9	0.9	0.9	0.9
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)