

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: P1210750

Luminaire Tested: **ARCH3-60-730-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210750
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-4)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH3-60-730-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 505mA LIGHTSQUARE WITH 40 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

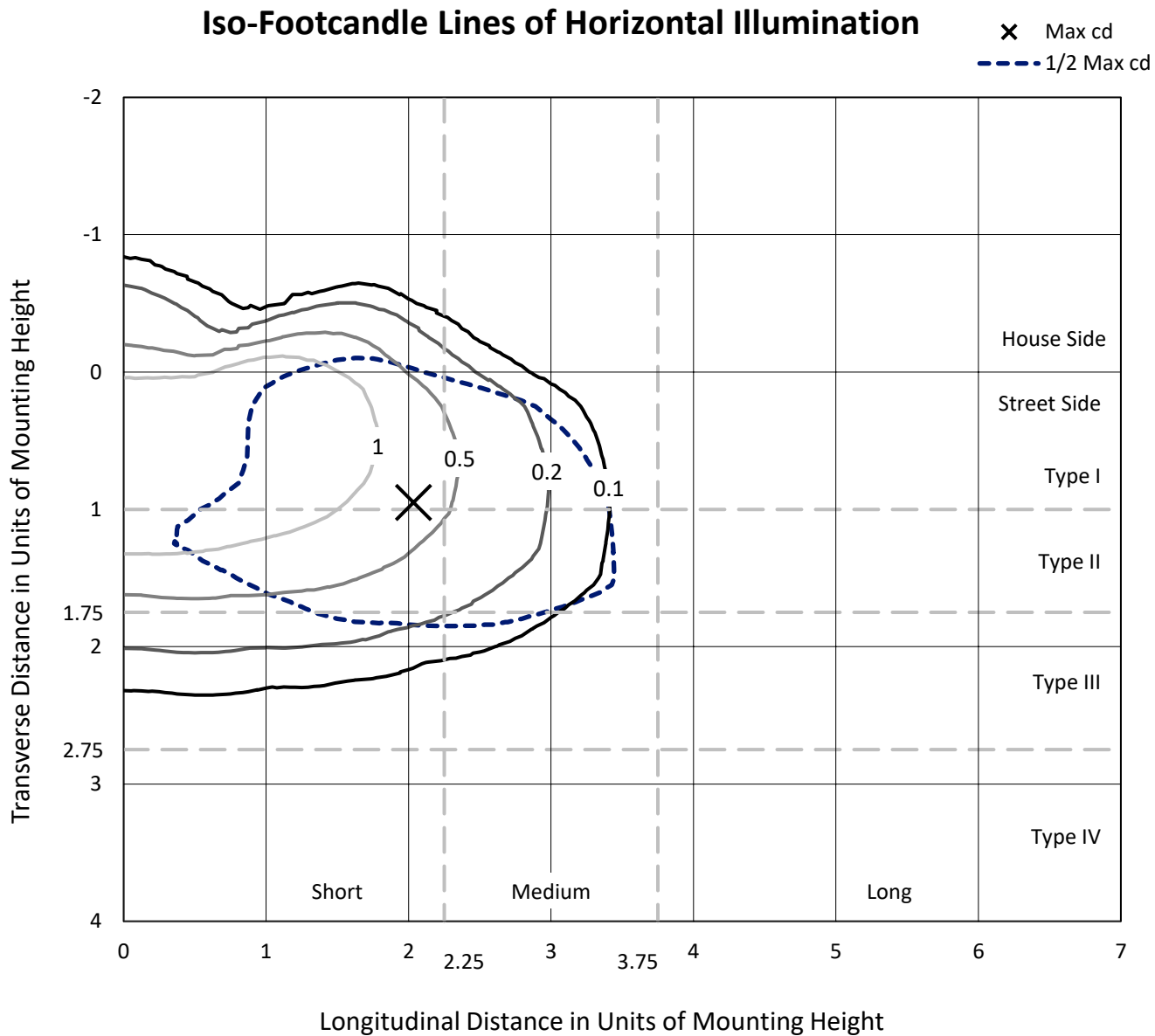
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7166 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 63.2
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

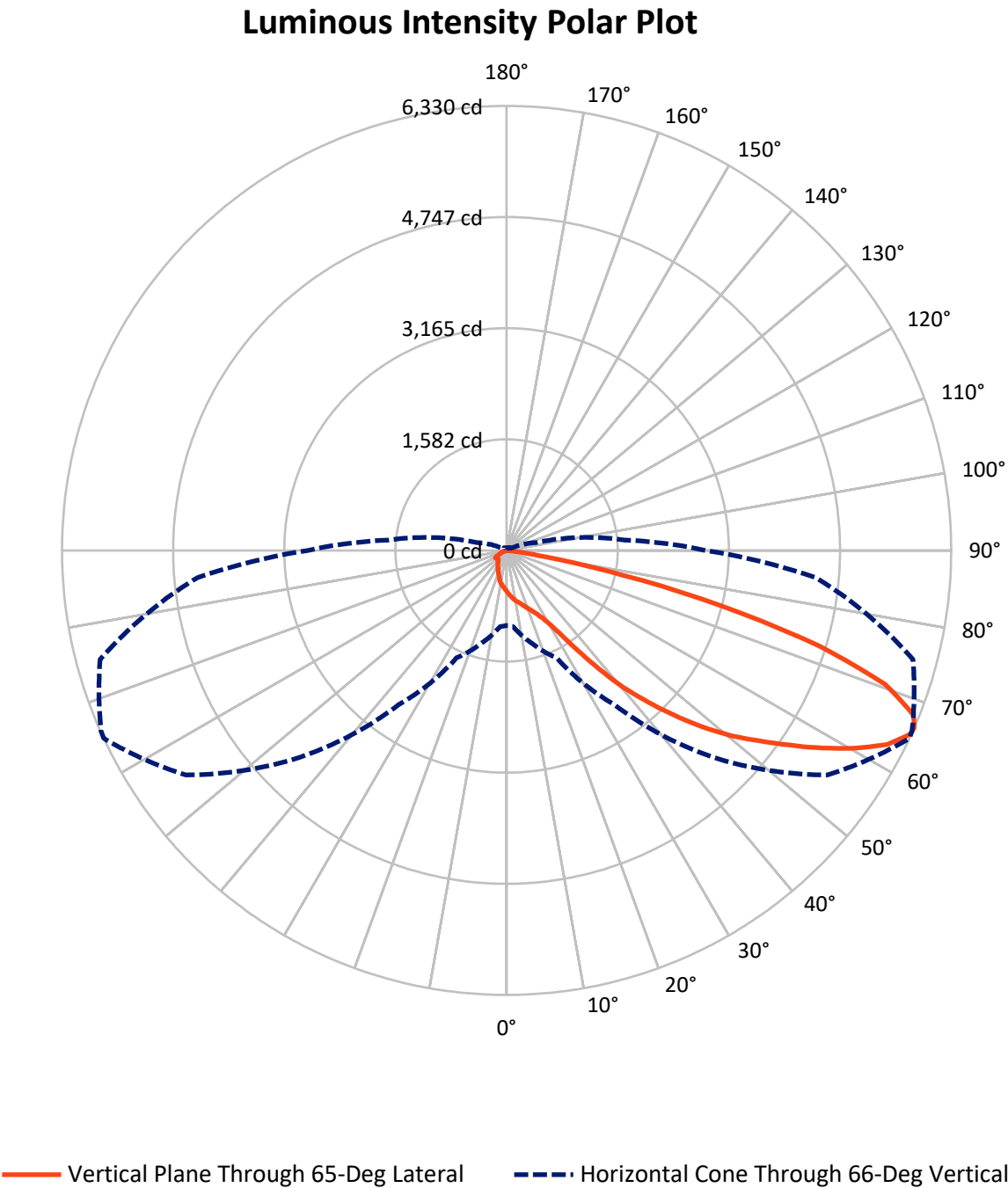


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Based on 25 foot mounting height. Maximum calculated value = 2 fc
Type III - Short - N/A

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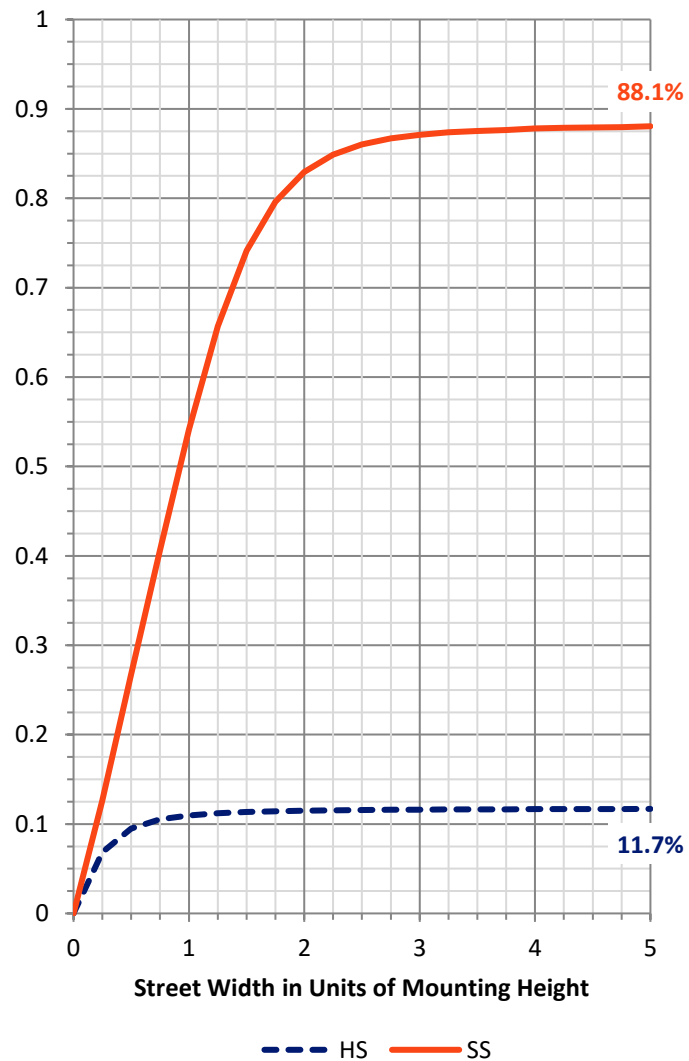
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	845.7	0.0	845.7
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	6320.3	0.0	6320.3
	% Fixture	88.2	0.0	88.2
Total	Lumens	7166.0	0.0	7166.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.3	0.8
10°-20°	163.9	2.3
20°-30°	299.9	4.2
30°-40°	609.4	8.5
40°-50°	1286.8	18.0
50°-60°	1978.3	27.6
60°-70°	1991.3	27.8
70°-80°	744.0	10.4
80°-90°	37.2	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°	7166.0	100.0
0°-180°	7166.0	100.0

Coefficient of Utilization



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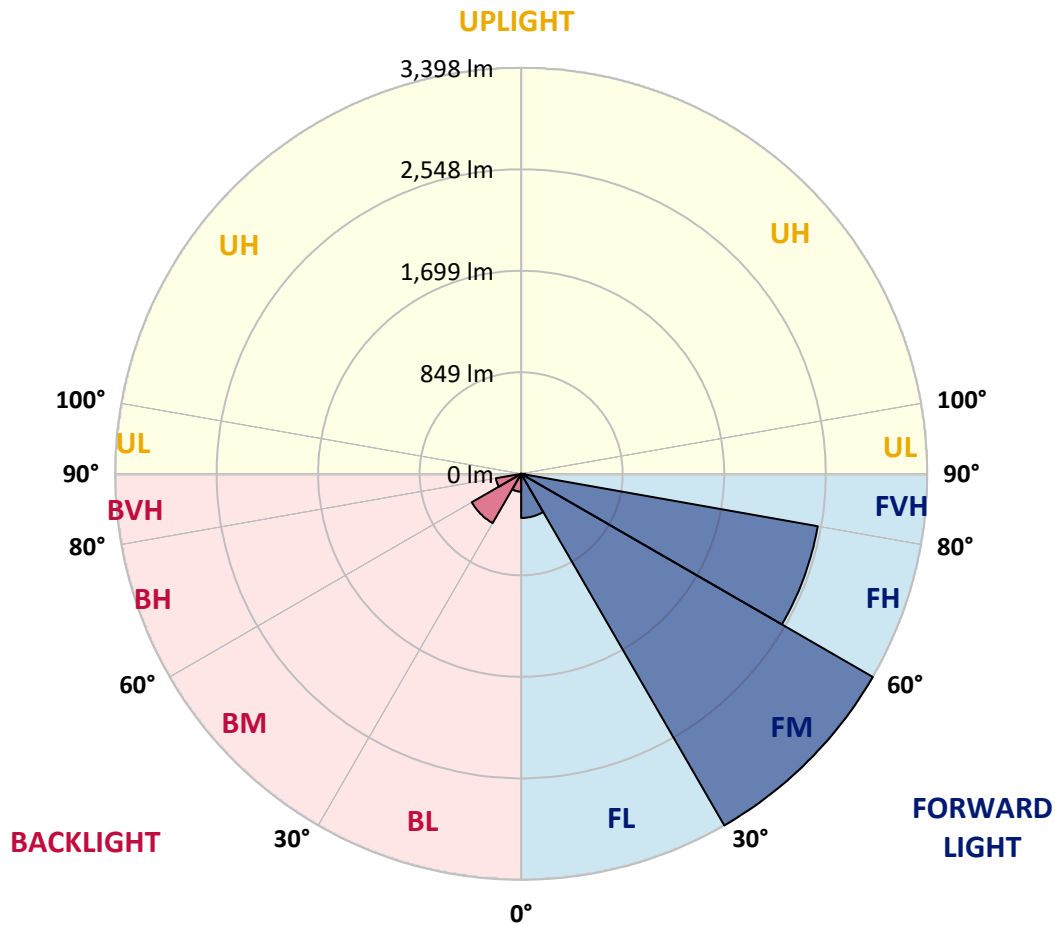
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	369.4	5.2			
FM	(30°-60°)	3397.6	47.4			
FH	(60°-80°)	2520.5	35.2			G2/5000
FVH	(80°-90°)	32.8	0.5			G1/100
BL	(0°-30°)	149.7	2.1	B1/500		
BM	(30°-60°)	476.8	6.7	B1/1000		
BH	(60°-80°)	214.8	3.0	B1/500		G1/500
BVH	(80°-90°)	4.4	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	583.8	583.8	583.8	583.8	583.8	583.8	583.8	583.8	583.8	583.8	583.8
2.5°	665.7	667.0	664.4	659.2	654.0	647.5	637.1	620.2	617.6	605.9	592.9
5°	711.3	713.9	710.0	708.7	706.1	697.0	682.6	657.9	655.3	631.9	602.0
7.5°	726.9	730.8	728.2	728.2	728.2	724.3	717.8	695.7	691.8	661.8	616.3
10°	738.6	741.2	739.9	745.1	749.0	746.4	742.5	729.5	725.6	695.7	635.8
12.5°	756.8	758.1	759.4	762.0	768.5	771.1	769.8	758.1	755.5	734.7	660.5
15°	773.7	773.7	775.0	786.7	795.8	801.0	802.3	793.2	790.6	773.7	691.8
17.5°	789.3	790.6	794.5	807.5	823.1	833.5	840.0	836.1	832.2	819.2	728.2
20°	812.7	815.3	819.2	837.4	853.0	869.9	882.9	881.6	880.3	871.2	771.1
22.5°	853.0	855.6	862.1	879.0	894.6	915.4	937.5	936.2	932.3	925.8	821.8
25°	914.1	914.1	918.0	932.3	951.8	976.5	997.3	1001.2	997.3	993.4	885.5
27.5°	990.8	992.1	992.1	1007.7	1025.9	1057.1	1083.1	1087.0	1087.0	1083.1	971.3
30°	1097.4	1093.5	1090.9	1103.9	1123.4	1169.0	1214.5	1222.3	1218.4	1224.9	1092.2
32.5°	1280.8	1274.3	1252.2	1254.8	1266.5	1328.9	1405.6	1432.9	1431.6	1443.3	1287.3
35°	1534.3	1521.3	1488.8	1461.5	1460.2	1527.8	1644.9	1747.6	1746.3	1786.6	1583.7
37.5°	1820.4	1837.3	1776.2	1729.4	1715.1	1768.4	1919.2	2141.6	2153.3	2223.5	1972.5
40°	2202.7	2213.1	2135.1	2068.8	2001.1	2020.6	2219.6	2565.5	2586.3	2664.3	2361.3
42.5°	2535.6	2546.0	2500.4	2419.8	2334.0	2297.6	2522.6	2950.3	2967.2	3075.2	2761.8
45°	2761.8	2769.6	2785.2	2793.0	2695.5	2620.1	2893.1	3345.6	3366.4	3491.3	3153.2
47.5°	2938.6	2945.1	2976.3	3054.4	3034.9	2975.0	3270.2	3756.5	3761.7	3900.9	3534.2
50°	3020.6	3036.2	3112.9	3232.5	3318.3	3335.2	3679.8	4145.3	4159.6	4292.2	3894.3
52.5°	2929.5	2934.7	3128.5	3353.4	3526.4	3698.0	4090.7	4505.5	4547.1	4645.9	4218.1
55°	2622.7	2660.4	2954.2	3349.5	3690.2	4042.6	4530.2	4894.3	4932.0	4994.4	4502.9
57.5°	2266.4	2308.0	2665.6	3181.8	3760.4	4361.2	4937.2	5307.8	5333.8	5350.7	4764.2
60°	1958.2	1997.2	2365.2	2860.6	3690.2	4586.1	5315.6	5718.6	5740.8	5695.2	4895.6
62.5°	1579.8	1618.9	1989.4	2435.4	3414.5	4631.6	5596.4	6084.0	6093.1	5969.6	4815.0
65°	1191.1	1217.1	1526.5	1908.8	2932.1	4389.8	5660.1	6311.6	6302.5	6048.9	4573.1
66°	1067.5	1089.6	1362.7	1687.8	2681.2	4168.7	5574.3	6329.8	6320.7	5990.4	4414.5
67.5°	920.6	927.1	1152.1	1380.9	2243.0	3699.3	5313.0	6246.6	6254.4	5829.2	4124.5
70°	719.1	717.8	847.8	960.9	1531.7	2631.8	4431.4	5722.5	5760.3	5220.6	3517.3
72.5°	460.3	444.7	520.1	587.7	892.0	1527.8	3231.2	4664.1	4727.8	4101.1	2620.1
75°	274.4	258.8	277.0	293.9	427.8	734.7	1899.7	3174.0	3235.1	2629.2	1559.0
77.5°	205.4	198.9	200.2	185.9	189.8	275.7	867.3	1677.4	1721.6	1076.6	591.6
80°	157.3	140.4	131.3	137.8	124.8	109.2	322.5	577.3	604.6	254.9	123.5
82.5°	105.3	91.0	84.5	92.3	79.3	61.1	78.0	111.8	109.2	68.9	48.1
85°	54.6	46.8	46.8	46.8	40.3	29.9	33.8	45.5	45.5	36.4	28.6
87.5°	15.6	14.3	16.9	15.6	11.7	11.7	13.0	15.6	15.6	14.3	13.0
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°	583.8	583.8	583.8	583.8	583.8	583.8	583.8	583.8	583.8	583.8	583.8
2.5°	582.5	577.3	563.0	552.6	542.2	533.1	522.7	520.1	514.9	516.2	513.6
5°	586.4	572.1	547.4	524.0	505.8	490.2	470.7	462.9	452.5	448.6	446.0
7.5°	591.6	570.8	534.4	501.9	470.7	439.5	408.3	390.1	378.4	373.2	369.3
10°	603.3	576.0	527.9	477.2	423.9	379.7	348.5	335.5	327.7	326.4	325.1
12.5°	618.9	583.8	521.4	446.0	375.8	334.2	314.7	310.8	309.5	309.5	308.2
15°	642.3	596.8	511.0	409.6	338.1	309.5	300.4	293.9	291.3	291.3	291.3
17.5°	665.7	612.4	495.4	371.9	312.1	293.9	284.8	280.9	278.3	279.6	278.3
20°	695.7	630.6	474.6	339.4	295.2	280.9	271.8	267.9	266.6	266.6	266.6
22.5°	729.5	651.4	448.6	314.7	280.9	267.9	258.8	254.9	252.3	253.6	253.6
25°	775.0	677.4	421.3	290.0	266.6	254.9	244.5	239.3	239.3	240.6	241.9
27.5°	833.5	708.7	394.0	274.4	253.6	241.9	230.2	224.9	226.2	228.8	228.8
30°	919.3	751.6	366.7	257.5	239.3	226.2	215.8	210.6	213.2	218.4	218.4
32.5°	1041.5	821.8	343.3	238.0	218.4	204.1	193.7	189.8	196.3	206.7	206.7
35°	1260.0	950.5	329.0	218.4	196.3	179.4	166.4	162.5	171.6	184.6	184.6
37.5°	1552.5	1157.3	334.2	201.5	178.1	158.6	144.3	139.1	145.6	157.3	161.2
40°	1878.9	1406.9	379.7	187.2	161.2	141.7	127.4	122.2	126.1	131.3	132.6
42.5°	2205.3	1672.2	465.5	176.8	148.2	127.4	114.4	110.5	113.1	114.4	115.7
45°	2530.4	1934.8	573.4	170.3	136.5	115.7	102.7	102.7	104.0	104.0	104.0
47.5°	2838.5	2191.0	686.5	169.0	126.1	104.0	93.6	94.9	94.9	96.2	96.2
50°	3129.8	2419.8	801.0	172.9	117.0	93.6	85.8	85.8	85.8	87.1	85.8
52.5°	3372.9	2620.1	920.6	179.4	107.9	85.8	78.0	78.0	78.0	79.3	78.0
55°	3603.1	2802.1	1042.8	188.5	100.1	79.3	71.5	68.9	68.9	70.2	68.9
57.5°	3790.3	2923.0	1158.6	189.8	93.6	72.8	66.3	62.4	62.4	62.4	62.4
60°	3798.1	2852.8	1192.4	166.4	85.8	66.3	59.8	54.6	55.9	55.9	55.9
62.5°	3549.8	2483.5	958.3	124.8	76.7	59.8	54.6	49.4	49.4	49.4	49.4
65°	3062.2	1932.2	561.7	98.8	66.3	53.3	48.1	44.2	44.2	44.2	42.9
66°	2833.3	1694.3	430.4	89.7	62.4	52.0	46.8	42.9	41.6	40.3	40.3
67.5°	2460.1	1339.3	269.2	79.3	57.2	48.1	42.9	39.0	37.7	36.4	36.4
70°	1852.9	850.4	131.3	61.1	49.4	41.6	37.7	33.8	32.5	31.2	29.9
72.5°	1300.3	498.0	68.9	46.8	40.3	36.4	32.5	28.6	27.3	26.0	26.0
75°	734.7	240.6	45.5	33.8	32.5	29.9	27.3	23.4	22.1	22.1	22.1
77.5°	278.3	83.2	31.2	24.7	26.0	23.4	19.5	19.5	18.2	19.5	18.2
80°	72.8	36.4	19.5	18.2	19.5	16.9	14.3	15.6	15.6	15.6	15.6
82.5°	39.0	20.8	11.7	13.0	11.7	11.7	9.1	10.4	11.7	10.4	11.7
85°	27.3	10.4	6.5	6.5	5.2	5.2	3.9	5.2	6.5	5.2	5.2
87.5°	14.3	3.9	3.9	3.9	3.9	2.6	1.3	0.0	1.3	1.3	1.3
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)