

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: P1210454

Luminaire Tested: **ARCH3-130-722-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210454
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: ARCH3-130-722-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 1035mA 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: 11672 lumens
Efficiency: N/A
Efficacy: 88.0 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): 132.6
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



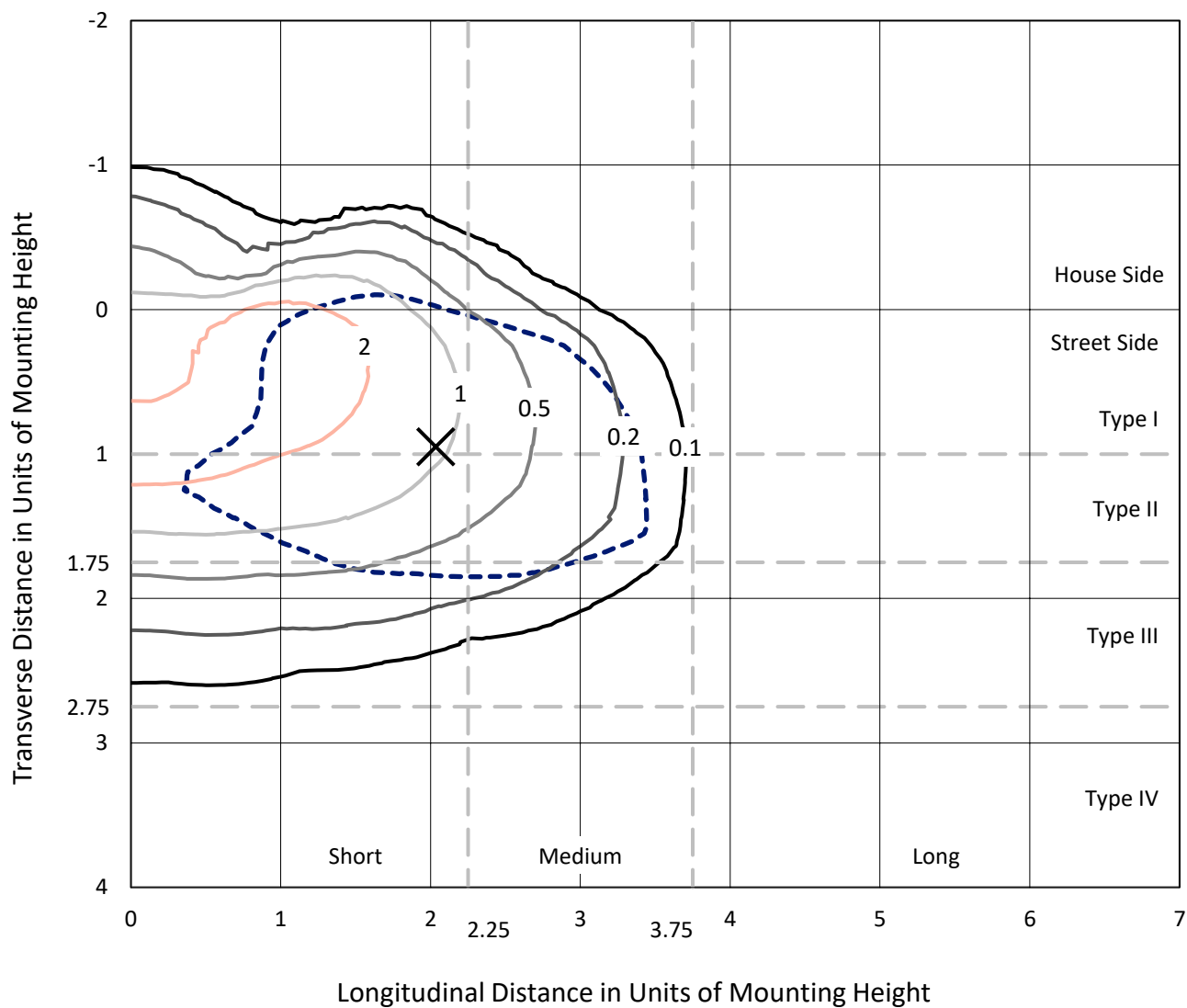
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Iso-Footcandle Lines of Horizontal Illumination

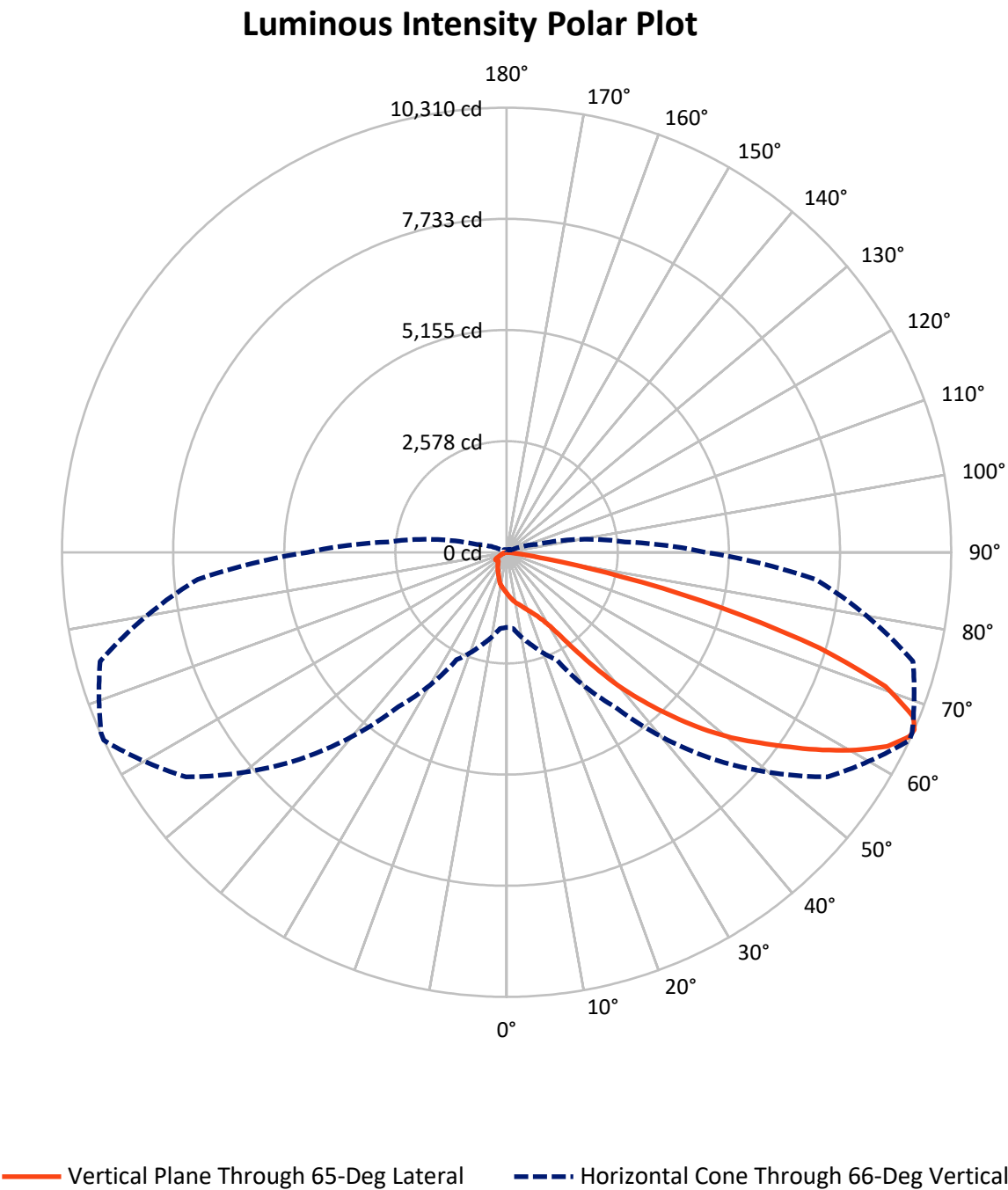
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
Type III - Short - N/A

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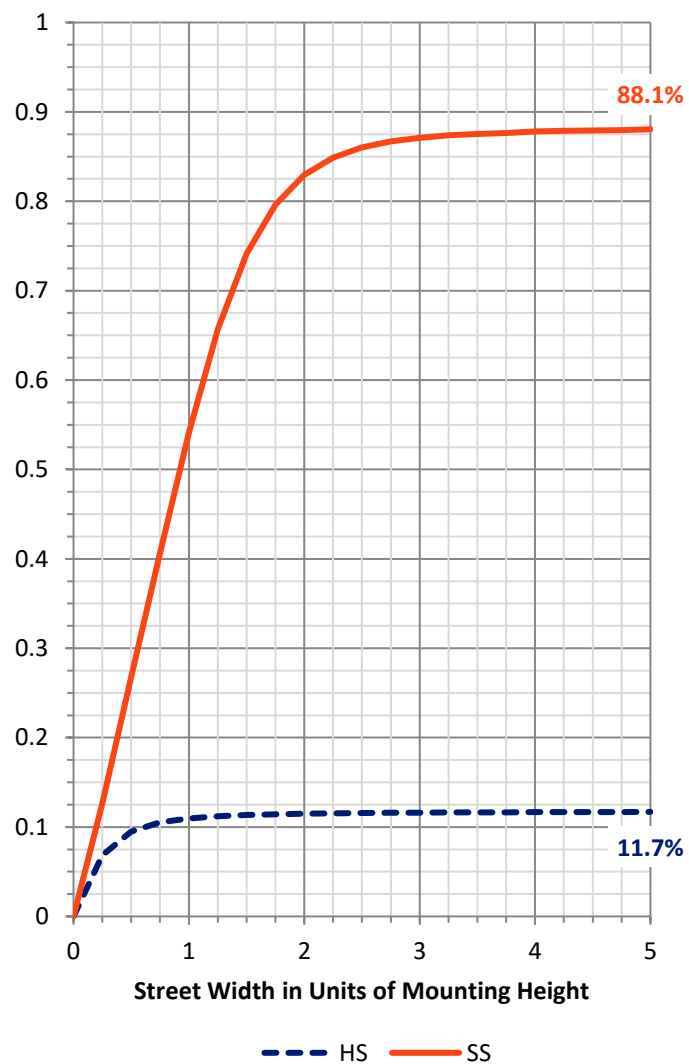
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1377.5	0.0	1377.5
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	10294.5	0.0	10294.5
	% Fixture	88.2	0.0	88.2
Total	Lumens	11672.0	0.0	11672.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.2	0.8
10°-20°	266.9	2.3
20°-30°	488.5	4.2
30°-40°	992.5	8.5
40°-50°	2096.0	18.0
50°-60°	3222.2	27.6
60°-70°	3243.4	27.8
70°-80°	1211.9	10.4
80°-90°	60.5	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°	11672.0	100.0
0°-180°	11672.0	100.0

Coefficient of Utilization



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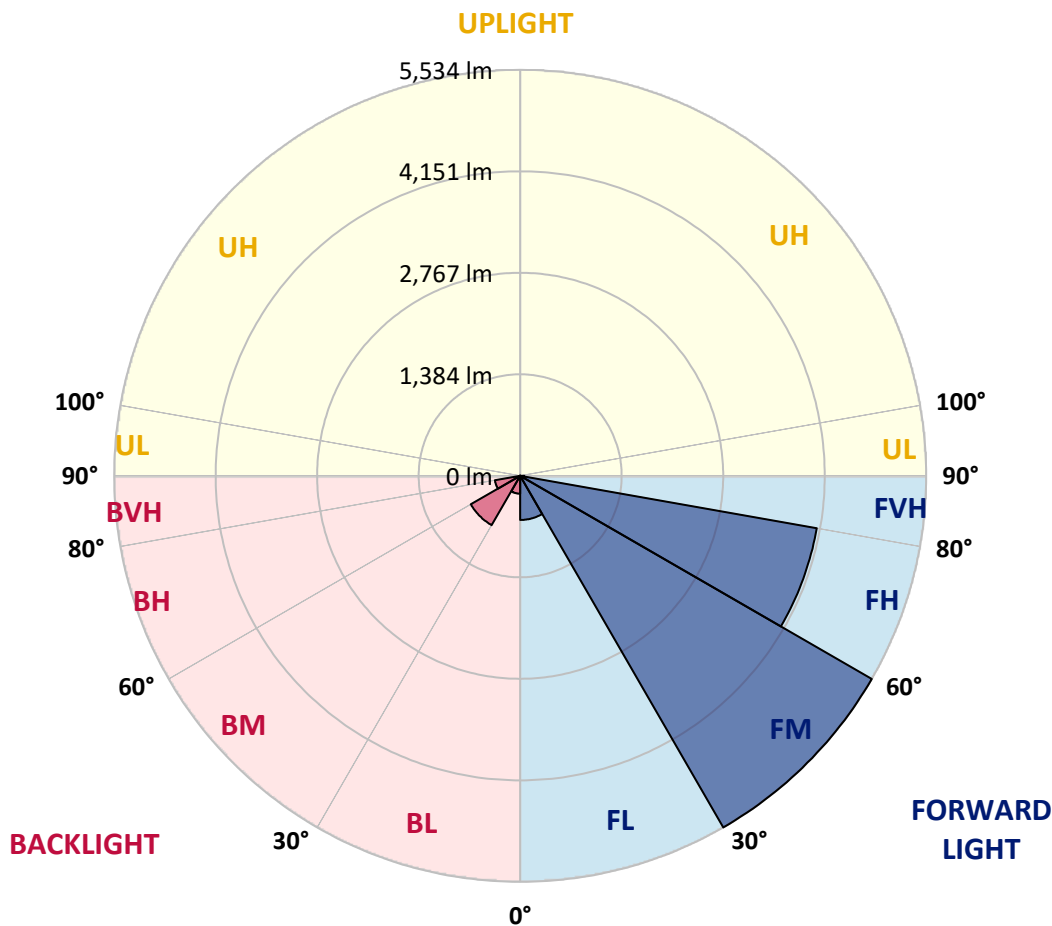
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	601.7	5.2			
FM	(30°-60°)	5534.0	47.4			
FH	(60°-80°)	4105.3	35.2			G2/5000
FVH	(80°-90°)	53.4	0.5			G1/100
BL	(0°-30°)	243.8	2.1	B1/500		
BM	(30°-60°)	776.7	6.7	B1/1000		
BH	(60°-80°)	349.9	3.0	B1/500		G1/500
BVH	(80°-90°)	7.1	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°	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9
2.5°	1084.4	1086.5	1082.2	1073.8	1065.3	1054.7	1037.8	1010.2	1006.0	986.9	965.8
5°	1158.5	1162.7	1156.4	1154.3	1150.0	1135.2	1111.9	1071.7	1067.4	1029.3	980.6
7.5°	1183.9	1190.3	1186.0	1186.0	1186.0	1179.7	1169.1	1133.1	1126.7	1078.0	1003.9
10°	1203.0	1207.2	1205.1	1213.6	1219.9	1215.7	1209.3	1188.1	1181.8	1133.1	1035.7
12.5°	1232.6	1234.7	1236.9	1241.1	1251.7	1255.9	1253.8	1234.7	1230.5	1196.6	1075.9
15°	1260.2	1260.2	1262.3	1281.3	1296.2	1304.6	1306.7	1291.9	1287.7	1260.2	1126.7
17.5°	1285.6	1287.7	1294.0	1315.2	1340.6	1357.6	1368.2	1361.8	1355.5	1334.3	1186.0
20°	1323.7	1327.9	1334.3	1363.9	1389.3	1416.9	1438.1	1435.9	1433.8	1419.0	1255.9
22.5°	1389.3	1393.6	1404.2	1431.7	1457.1	1491.0	1527.0	1524.9	1518.5	1507.9	1338.5
25°	1488.9	1488.9	1495.2	1518.5	1550.3	1590.5	1624.4	1630.8	1624.4	1618.1	1442.3
27.5°	1613.8	1616.0	1616.0	1641.4	1671.0	1721.9	1764.2	1770.6	1770.6	1764.2	1582.1
30°	1787.5	1781.2	1776.9	1798.1	1829.9	1904.0	1978.1	1990.8	1984.5	1995.1	1779.0
32.5°	2086.1	2075.5	2039.5	2043.8	2062.8	2164.5	2289.5	2333.9	2331.8	2350.9	2096.7
35°	2499.1	2477.9	2425.0	2380.5	2378.4	2488.5	2679.2	2846.5	2844.3	2910.0	2579.6
37.5°	2965.1	2992.6	2893.1	2816.8	2793.5	2880.4	3126.0	3488.2	3507.3	3621.6	3212.9
40°	3587.7	3604.7	3477.6	3369.6	3259.5	3291.2	3615.3	4178.6	4212.5	4339.6	3846.1
42.5°	4129.9	4146.9	4072.7	3941.4	3801.6	3742.3	4108.7	4805.5	4833.1	5008.8	4498.4
45°	4498.4	4511.1	4536.6	4549.3	4390.4	4267.6	4712.3	5449.4	5483.3	5686.6	5135.9
47.5°	4786.5	4797.1	4847.9	4975.0	4943.2	4845.8	5326.5	6118.6	6127.1	6353.7	5756.5
50°	4919.9	4945.3	5070.3	5265.1	5404.9	5432.4	5993.7	6751.9	6775.2	6991.2	6343.1
52.5°	4771.6	4780.1	5095.7	5462.1	5743.8	6023.3	6662.9	7338.5	7406.3	7567.3	6870.5
55°	4271.8	4333.2	4811.9	5455.7	6010.6	6584.6	7378.8	7971.8	8033.2	8134.9	7334.3
57.5°	3691.5	3759.3	4341.7	5182.5	6125.0	7103.5	8041.7	8645.3	8687.6	8715.2	7760.0
60°	3189.6	3253.1	3852.5	4659.4	6010.6	7469.9	8658.0	9314.5	9350.6	9276.4	7973.9
62.5°	2573.3	2636.8	3240.4	3966.8	5561.6	7544.0	9115.5	9909.7	9924.5	9723.3	7842.6
65°	1940.0	1982.4	2486.4	3109.1	4775.9	7150.0	9219.2	10280.3	10265.5	9852.5	7448.7
66°	1738.8	1774.8	2219.6	2749.0	4367.1	6790.0	9079.5	10310.0	10295.1	9757.2	7190.3
67.5°	1499.5	1510.1	1876.5	2249.2	3653.4	6025.4	8653.8	10174.4	10187.1	9494.6	6718.0
70°	1171.2	1169.1	1380.9	1565.1	2494.9	4286.6	7217.8	9320.9	9382.3	8503.4	5728.9
72.5°	749.7	724.3	847.2	957.3	1452.9	2488.5	5263.0	7596.9	7700.7	6679.9	4267.6
75°	446.9	421.5	451.1	478.6	696.8	1196.6	3094.3	5169.8	5269.3	4282.4	2539.4
77.5°	334.6	324.0	326.2	302.9	309.2	449.0	1412.6	2732.1	2804.1	1753.6	963.6
80°	256.3	228.7	213.9	224.5	203.3	177.9	525.2	940.4	984.8	415.1	201.2
82.5°	171.6	148.3	137.7	150.4	129.2	99.5	127.1	182.1	177.9	112.2	78.4
85°	89.0	76.2	76.2	76.2	65.7	48.7	55.1	74.1	74.1	59.3	46.6
87.5°	25.4	23.3	27.5	25.4	19.1	19.1	21.2	25.4	25.4	23.3	21.2
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°	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9
2.5°	948.8	940.4	917.1	900.1	883.2	868.3	851.4	847.2	838.7	840.8	836.6
5°	955.2	931.9	891.6	853.5	823.9	798.5	766.7	754.0	737.0	730.7	726.4
7.5°	963.6	929.8	870.5	817.5	766.7	715.9	665.0	635.4	616.3	607.8	601.5
10°	982.7	938.2	859.9	777.3	690.4	618.4	567.6	546.4	533.7	531.6	529.5
12.5°	1008.1	950.9	849.3	726.4	612.1	544.3	512.5	506.2	504.1	504.1	501.9
15°	1046.2	972.1	832.3	667.1	550.7	504.1	489.2	478.6	474.4	474.4	474.4
17.5°	1084.4	997.5	806.9	605.7	508.3	478.6	463.8	457.5	453.2	455.3	453.2
20°	1133.1	1027.2	773.0	552.8	480.8	457.5	442.6	436.3	434.2	434.2	434.2
22.5°	1188.1	1061.1	730.7	512.5	457.5	436.3	421.5	415.1	410.9	413.0	413.0
25°	1262.3	1103.4	686.2	472.3	434.2	415.1	398.2	389.7	389.7	391.8	393.9
27.5°	1357.6	1154.3	641.7	446.9	413.0	393.9	374.9	366.4	368.5	372.8	372.8
30°	1497.4	1224.1	597.2	419.3	389.7	368.5	351.6	343.1	347.3	355.8	355.8
32.5°	1696.4	1338.5	559.1	387.6	355.8	332.5	315.6	309.2	319.8	336.7	336.7
35°	2052.3	1548.2	535.8	355.8	319.8	292.3	271.1	264.7	279.6	300.7	300.7
37.5°	2528.8	1884.9	544.3	328.3	290.2	258.4	235.1	226.6	237.2	256.3	262.6
40°	3060.4	2291.6	618.4	305.0	262.6	230.9	207.6	199.1	205.4	213.9	216.0
42.5°	3592.0	2723.6	758.2	288.0	241.4	207.6	186.4	180.0	184.3	186.4	188.5
45°	4121.4	3151.4	934.0	277.4	222.4	188.5	167.3	167.3	169.4	169.4	169.4
47.5°	4623.4	3568.7	1118.3	275.3	205.4	169.4	152.5	154.6	154.6	156.7	156.7
50°	5097.8	3941.4	1304.6	281.7	190.6	152.5	139.8	139.8	139.8	141.9	139.8
52.5°	5493.8	4267.6	1499.5	292.3	175.8	139.8	127.1	127.1	127.1	129.2	127.1
55°	5868.7	4564.1	1698.6	307.1	163.1	129.2	116.5	112.2	112.2	114.4	112.2
57.5°	6173.7	4761.1	1887.1	309.2	152.5	118.6	108.0	101.7	101.7	101.7	101.7
60°	6186.4	4646.7	1942.1	271.1	139.8	108.0	97.4	89.0	91.1	91.1	91.1
62.5°	5781.9	4045.2	1560.9	203.3	125.0	97.4	89.0	80.5	80.5	80.5	80.5
65°	4987.7	3147.2	914.9	161.0	108.0	86.8	78.4	72.0	72.0	72.0	69.9
66°	4614.9	2759.6	701.0	146.1	101.7	84.7	76.2	69.9	67.8	65.7	65.7
67.5°	4007.1	2181.4	438.4	129.2	93.2	78.4	69.9	63.5	61.4	59.3	59.3
70°	3018.0	1385.1	213.9	99.5	80.5	67.8	61.4	55.1	52.9	50.8	48.7
72.5°	2117.9	811.2	112.2	76.2	65.7	59.3	52.9	46.6	44.5	42.4	42.4
75°	1196.6	391.8	74.1	55.1	52.9	48.7	44.5	38.1	36.0	36.0	36.0
77.5°	453.2	135.5	50.8	40.2	42.4	38.1	31.8	31.8	29.7	31.8	29.7
80°	118.6	59.3	31.8	29.7	31.8	27.5	23.3	25.4	25.4	25.4	25.4
82.5°	63.5	33.9	19.1	21.2	19.1	19.1	14.8	16.9	19.1	16.9	19.1
85°	44.5	16.9	10.6	10.6	8.5	8.5	6.4	8.5	10.6	8.5	8.5
87.5°	23.3	6.4	6.4	6.4	6.4	4.2	2.1	0.0	2.1	2.1	2.1
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)