

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: P1210687

Luminaire Tested: **ARCH3-40-730-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210687
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-2)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH3-40-730-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 345mA LIGHTSQUARE WITH 40 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

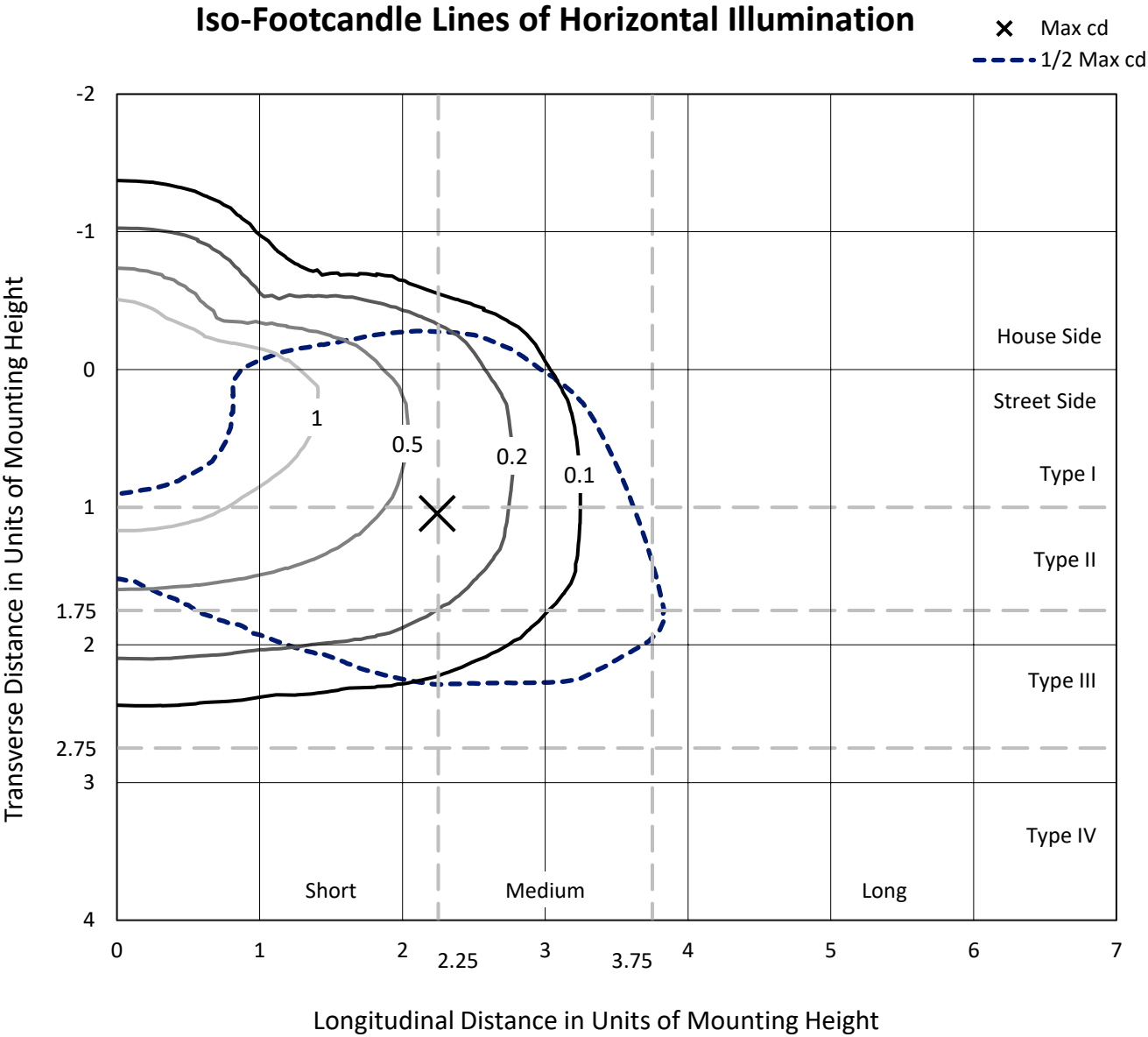
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7042 lumens
Efficiency: N/A
Efficacy: 161.5 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): 43.6
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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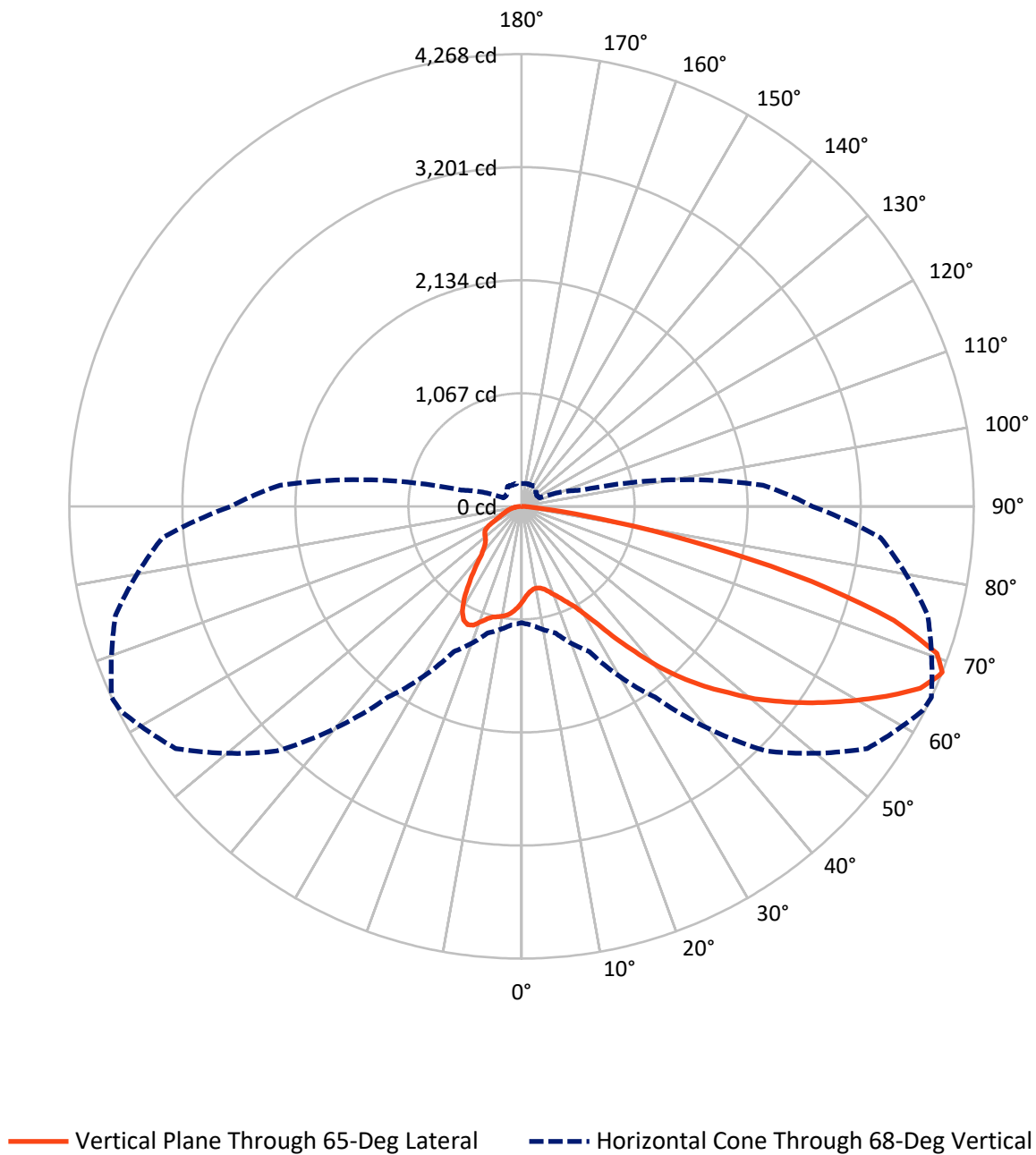


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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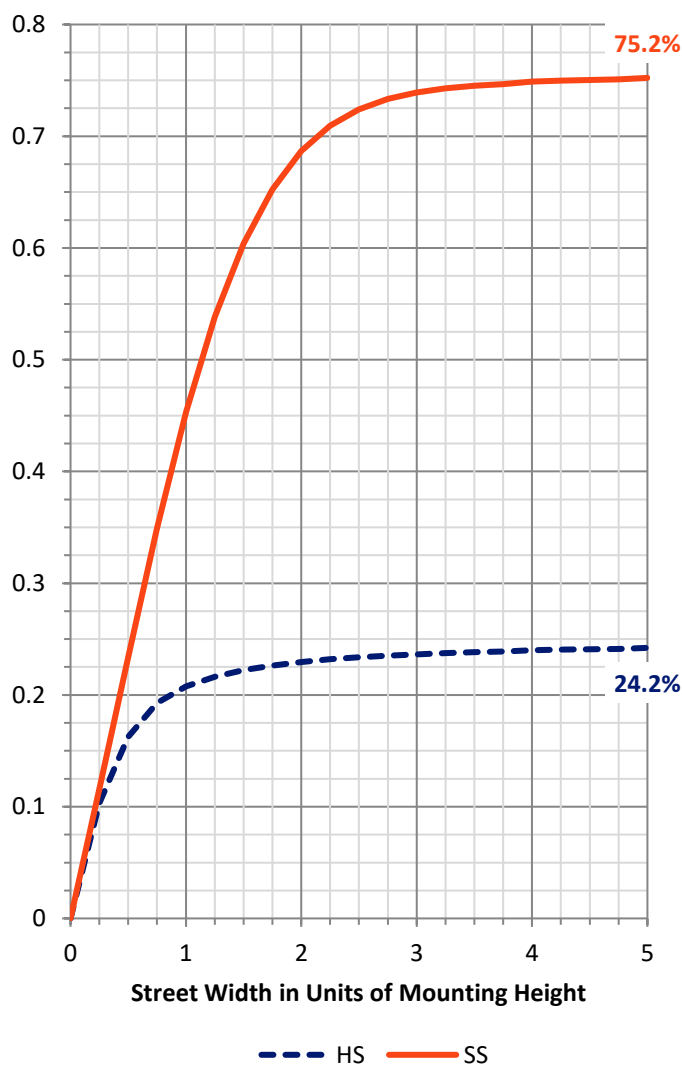
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1726.5	0.0	1726.5
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	5315.5	0.0	5315.5
	% Fixture	75.5	0.0	75.5
Total	Lumens	7042.0	0.0	7042.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.0	1.2
10°-20°	280.0	4.0
20°-30°	506.8	7.2
30°-40°	797.3	11.3
40°-50°	1187.4	16.9
50°-60°	1557.7	22.1
60°-70°	1703.4	24.2
70°-80°	842.9	12.0
80°-90°	80.4	1.1
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°	7042.0	100.0
0°-180°	7042.0	100.0

Coefficient of Utilization



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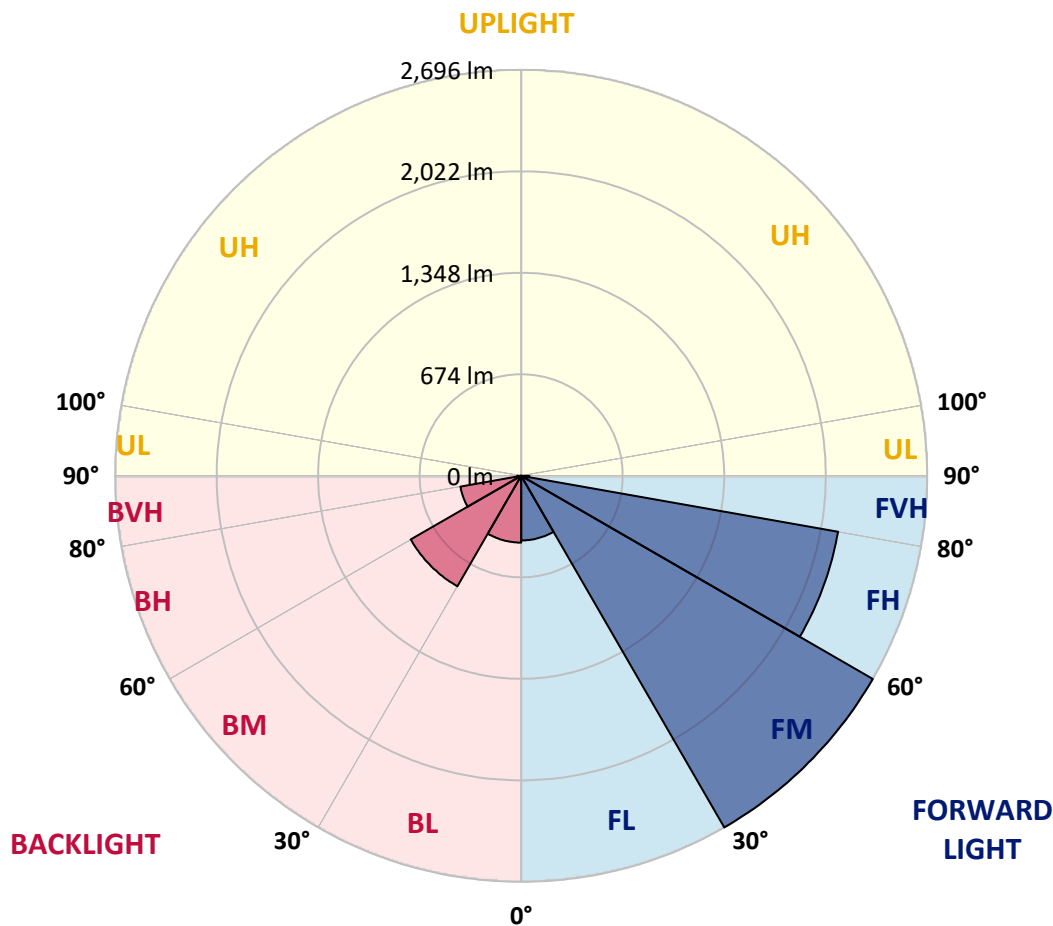
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	429.3	6.1			
FM	(30°-60°)	2695.6	38.3			
FH	(60°-80°)	2136.6	30.3			G2/5000
FVH	(80°-90°)	54.1	0.8			G1/100
BL	(0°-30°)	443.6	6.3	B1/500		
BM	(30°-60°)	846.8	12.0	B1/1000		
BH	(60°-80°)	409.8	5.8	B1/500		G1/500
BVH	(80°-90°)	26.3	0.4			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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	899.9	899.9	899.9	899.9	899.9	899.9	899.9	899.9	899.9	899.9	899.9
2.5°	785.5	783.7	788.2	792.7	802.7	814.5	830.9	844.5	846.3	871.7	891.7
5°	739.2	736.4	741.0	746.4	751.0	765.5	782.7	802.7	810.9	848.1	890.8
7.5°	743.7	742.8	744.6	742.8	742.8	749.1	760.9	780.9	790.0	834.5	895.3
10°	770.0	771.8	772.8	767.3	761.9	759.1	762.8	776.4	782.7	835.4	915.3
12.5°	813.6	816.3	817.2	807.3	800.0	788.2	781.8	787.3	791.8	844.5	943.5
15°	872.6	874.5	868.1	861.7	843.6	829.1	813.6	809.1	810.9	863.6	975.3
17.5°	941.7	938.9	938.9	923.5	899.9	877.2	851.8	848.1	848.1	894.4	1020.7
20°	1017.0	1019.7	1011.6	990.7	967.1	931.7	906.2	889.9	891.7	929.8	1076.0
22.5°	1126.0	1130.5	1108.7	1078.8	1042.4	1001.6	965.3	938.9	939.8	976.2	1133.3
25°	1243.1	1244.9	1231.3	1191.4	1142.3	1084.2	1036.1	1002.5	1001.6	1027.9	1206.8
27.5°	1363.0	1371.2	1343.9	1305.8	1260.4	1187.7	1124.2	1078.8	1071.5	1106.9	1298.5
30°	1486.5	1496.5	1470.1	1432.9	1376.6	1314.9	1239.5	1186.8	1182.3	1229.5	1421.1
32.5°	1610.9	1613.6	1592.7	1561.9	1511.0	1452.9	1392.0	1333.9	1329.4	1406.6	1580.0
35°	1712.6	1720.8	1706.2	1699.0	1661.7	1608.2	1549.1	1515.5	1527.3	1626.3	1786.1
37.5°	1835.2	1843.4	1827.0	1825.2	1813.4	1767.1	1726.2	1728.9	1740.7	1875.1	2003.2
40°	2012.2	2021.3	1979.6	1961.4	1961.4	1916.0	1902.4	1966.8	1982.3	2120.3	2229.3
42.5°	2162.1	2176.6	2152.1	2140.3	2104.9	2073.1	2089.4	2180.2	2206.6	2354.6	2426.3
45°	2234.7	2245.6	2274.7	2309.2	2274.7	2219.3	2281.0	2383.6	2420.9	2570.7	2623.4
47.5°	2273.8	2283.8	2317.4	2410.0	2433.6	2387.3	2474.4	2602.5	2627.9	2785.0	2811.3
50°	2279.2	2311.0	2354.6	2447.2	2555.3	2561.6	2668.8	2825.0	2854.9	2995.7	2976.6
52.5°	2234.7	2247.4	2337.3	2493.5	2613.4	2722.3	2880.3	3038.4	3060.1	3193.6	3122.8
55°	2162.1	2180.2	2270.1	2482.6	2669.7	2874.9	3095.6	3248.1	3272.6	3386.1	3258.1
57.5°	2096.7	2105.8	2202.0	2450.8	2726.0	3027.5	3287.2	3467.0	3483.3	3555.0	3358.0
60°	2024.1	2034.0	2130.3	2382.7	2767.8	3142.8	3486.9	3687.6	3702.1	3733.0	3474.2
62.5°	1836.1	1862.4	1983.2	2270.1	2756.9	3274.4	3700.3	3905.5	3923.7	3890.1	3565.9
65°	1491.0	1528.3	1676.3	2015.0	2655.2	3359.8	3874.7	4106.2	4137.1	4008.2	3590.4
67.5°	1157.8	1184.1	1303.1	1599.1	2298.3	3317.1	3987.3	4244.2	4253.3	3989.1	3454.2
68°	1097.8	1124.2	1237.7	1511.9	2199.3	3266.3	3984.5	4247.9	4267.9	3968.2	3401.6
70°	840.0	869.9	978.0	1197.7	1772.5	2943.0	3818.4	4160.7	4158.0	3715.8	3074.7
72.5°	524.9	542.1	616.6	755.5	1172.3	2239.3	3240.8	3669.4	3676.7	3029.3	2358.2
75°	333.3	333.3	329.6	365.9	601.1	1275.8	2409.1	2825.0	2830.4	2121.2	1486.5
77.5°	289.7	281.5	242.5	205.2	239.7	495.8	1425.6	1824.3	1794.3	1142.3	705.6
80°	244.3	230.6	198.9	165.3	154.4	155.3	547.6	926.2	886.3	411.3	234.3
82.5°	176.2	164.4	149.8	129.9	119.0	92.6	114.4	267.9	261.5	119.0	76.3
85°	95.3	86.3	84.4	85.4	71.7	57.2	48.1	59.0	59.0	51.8	43.6
87.5°	33.6	24.5	29.1	32.7	28.1	23.6	19.1	22.7	23.6	22.7	20.9
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°	899.9	899.9	899.9	899.9	899.9	899.9	899.9	899.9	899.9	899.9	899.9
2.5°	903.5	912.6	934.4	953.5	967.1	978.9	985.2	988.0	994.3	995.2	993.4
5°	910.8	934.4	967.1	995.2	1010.7	1017.0	1018.8	1019.7	1017.0	1018.8	1017.0
7.5°	929.8	959.8	1006.1	1030.6	1033.4	1023.4	1024.3	1020.7	1024.3	1027.9	1027.9
10°	958.9	997.0	1040.6	1049.7	1037.9	1032.5	1043.4	1065.1	1072.4	1082.4	1082.4
12.5°	997.0	1042.4	1073.3	1065.1	1054.3	1072.4	1104.2	1126.0	1133.3	1136.9	1134.2
15°	1040.6	1089.7	1105.1	1077.9	1097.8	1136.9	1147.8	1135.1	1116.9	1108.7	1113.3
17.5°	1096.0	1136.9	1127.8	1109.6	1155.0	1160.5	1125.1	1084.2	1055.2	1044.3	1051.5
20°	1154.1	1189.6	1147.8	1156.0	1184.1	1126.0	1058.8	1006.1	980.7	976.2	983.4
22.5°	1215.9	1238.6	1167.8	1209.5	1167.8	1049.7	968.9	941.7	935.3	942.6	948.9
25°	1285.8	1283.1	1202.3	1225.9	1106.9	956.2	908.1	906.2	906.2	910.8	919.9
27.5°	1364.8	1322.1	1236.8	1204.1	1001.6	879.0	869.9	870.8	868.1	869.0	873.5
30°	1456.5	1374.8	1274.9	1132.3	883.5	820.9	817.2	814.5	808.2	806.4	808.2
32.5°	1571.8	1430.2	1314.0	1014.3	780.0	760.9	759.1	744.6	729.2	727.4	733.7
35°	1718.0	1531.0	1333.9	866.3	694.7	693.8	687.4	664.7	644.7	644.7	640.2
37.5°	1885.1	1660.8	1342.1	721.9	623.8	628.4	610.2	581.2	565.7	556.6	559.4
40°	2055.8	1808.8	1341.2	595.7	562.1	563.0	549.4	514.0	475.8	453.1	458.6
42.5°	2220.2	1943.2	1317.6	528.5	512.1	509.4	498.5	450.4	418.6	400.5	401.4
45°	2351.9	2082.2	1281.3	488.5	466.7	471.3	446.8	417.7	388.6	372.3	371.4
47.5°	2483.5	2187.5	1223.1	464.0	433.1	425.0	415.0	395.0	373.2	355.0	356.0
50°	2603.4	2277.4	1168.7	447.7	402.3	381.4	383.2	371.4	352.3	336.0	335.1
52.5°	2687.8	2336.4	1138.7	438.6	365.0	342.3	348.7	342.3	324.2	312.4	311.5
55°	2772.3	2381.8	1148.7	426.8	324.2	306.0	316.9	315.1	305.1	301.5	302.4
57.5°	2840.4	2416.3	1184.1	405.0	285.1	274.2	292.4	286.9	279.7	280.6	280.6
60°	2906.7	2460.8	1225.9	355.0	251.5	252.4	269.7	259.7	255.2	263.3	264.2
62.5°	2975.7	2509.0	1191.4	282.4	222.5	228.8	248.8	240.6	242.5	254.3	257.9
65°	2967.5	2504.4	970.7	231.6	197.0	209.8	239.7	237.0	237.9	242.5	244.3
67.5°	2800.4	2344.6	667.4	197.0	178.9	194.3	232.5	221.6	222.5	219.7	220.7
68°	2744.1	2288.3	588.4	191.6	175.3	190.7	228.8	218.8	219.7	217.0	216.1
70°	2437.2	1959.6	372.3	168.9	162.5	180.7	210.7	207.0	206.1	204.3	204.3
72.5°	1857.9	1446.5	196.1	146.2	148.0	165.3	188.0	195.2	190.7	191.6	197.0
75°	1230.4	869.9	136.2	125.3	129.9	141.7	167.1	181.6	177.1	179.8	177.1
77.5°	651.1	468.6	109.0	106.2	106.2	114.4	138.0	160.7	160.7	158.9	156.2
80°	213.4	165.3	87.2	83.5	85.4	89.9	110.8	131.7	134.4	130.8	128.9
82.5°	71.7	76.3	65.4	60.8	62.7	66.3	83.5	100.8	101.7	94.4	92.6
85°	44.5	50.9	40.9	40.0	40.0	40.9	50.9	55.4	50.9	45.4	47.2
87.5°	20.9	25.4	19.1	16.3	13.6	11.8	9.1	3.6	3.6	1.8	1.8
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)