

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: P853475

Luminaire Tested: **CRTK-N-50-750-U-T3**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853475
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-N-50-750-U-T3
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

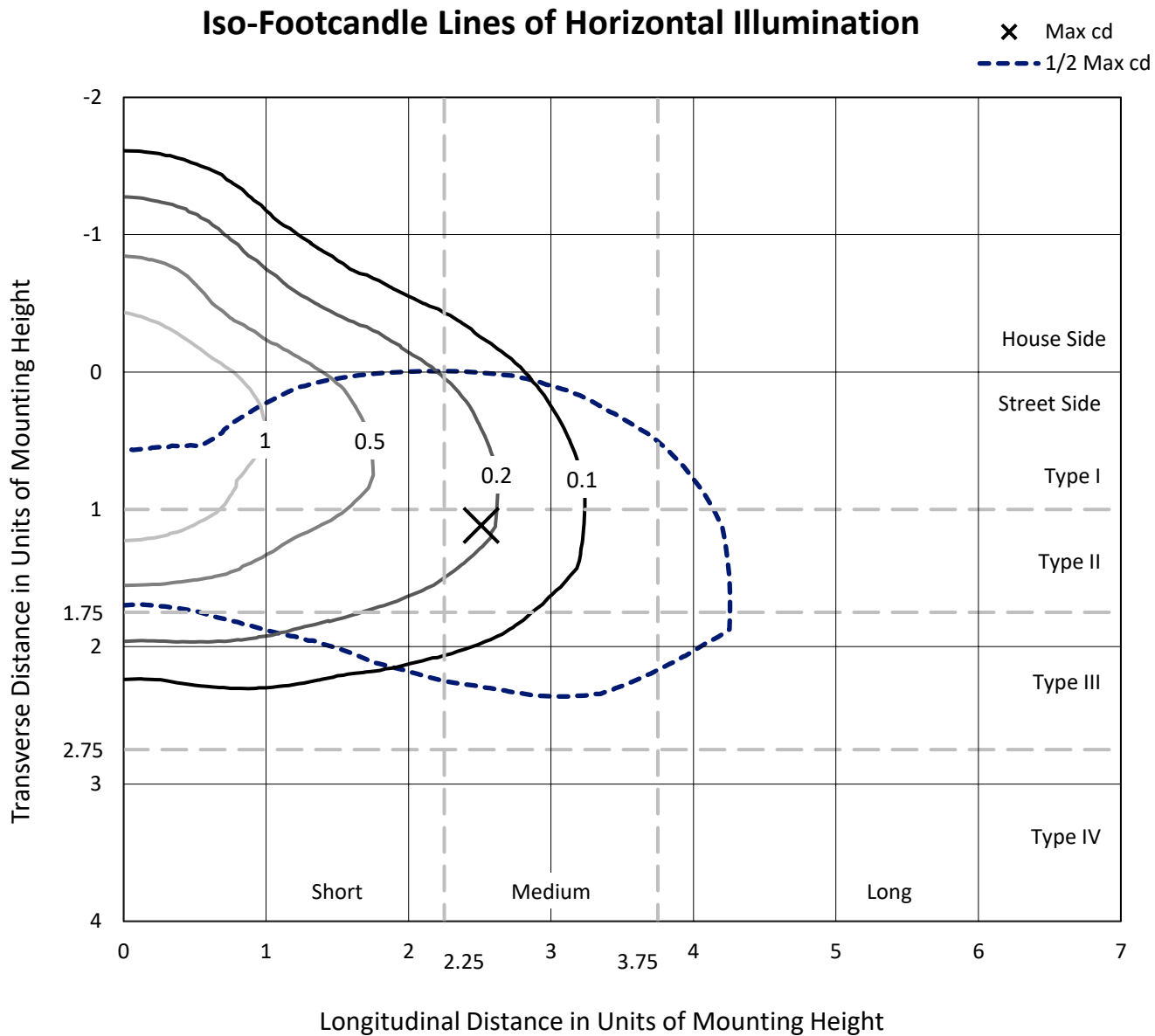
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6338 lumens
Efficiency: N/A
Efficacy: 132.9 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 47.7
Input Voltage (V): 120.0
Input Current (Ain): 0.398
Voltage Rise (V): NR
Power Factor: 0.9969
Total Harmonic Distortion (THDi): 6.56%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

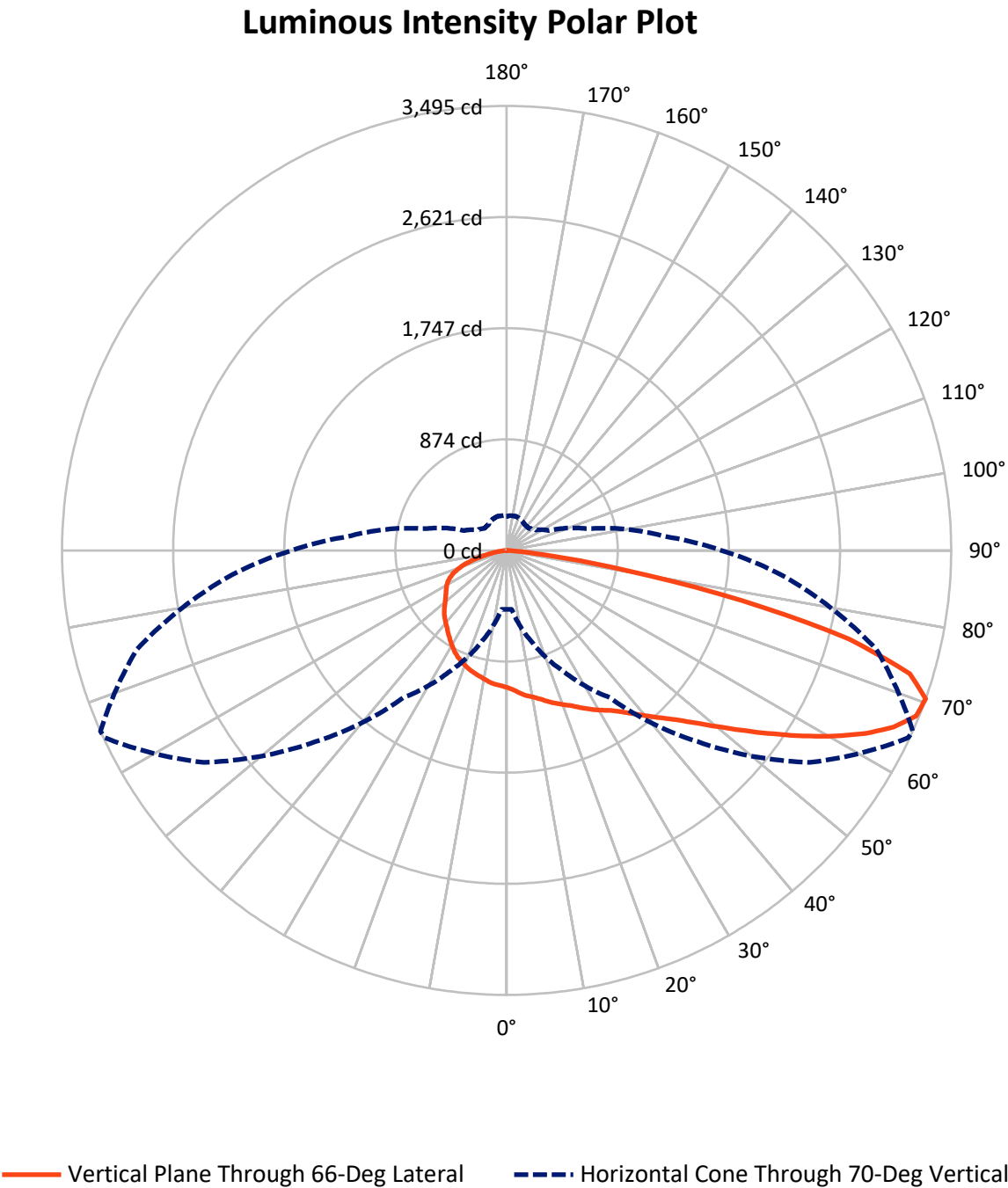


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Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
Type III - Medium - N/A

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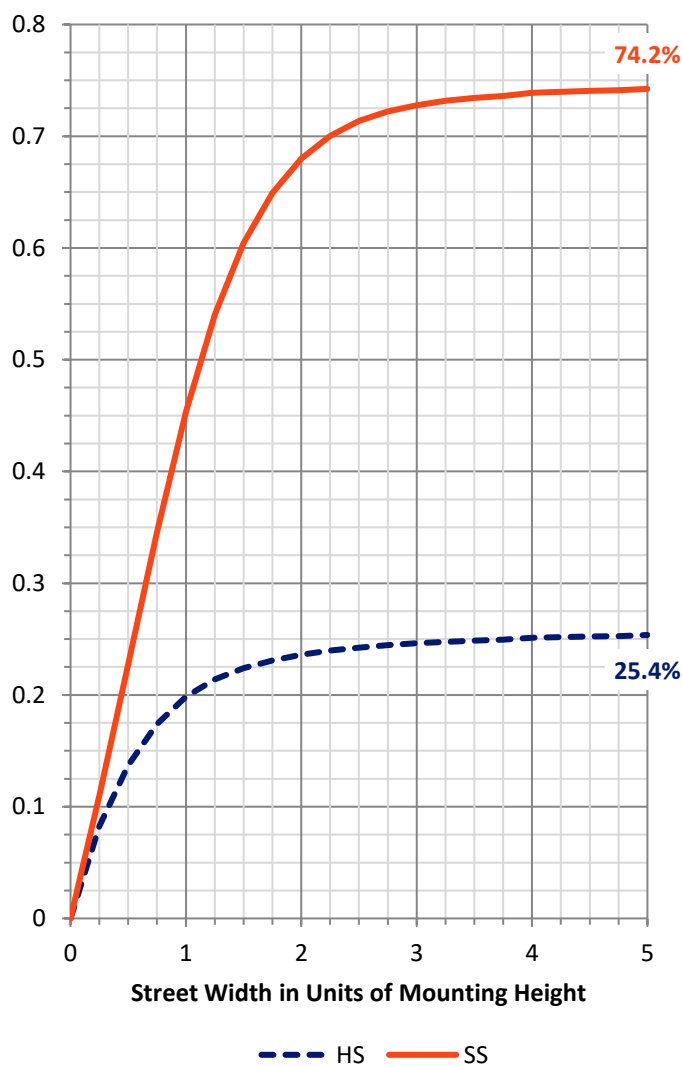
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1624.7	0.0	1624.7
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	4713.3	0.0	4713.3
	% Fixture	74.4	0.0	74.4
Total	Lumens	6338.0	0.0	6338.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.6	1.6
10°-20°	310.2	4.9
20°-30°	524.6	8.3
30°-40°	796.6	12.6
40°-50°	1086.5	17.1
50°-60°	1292.0	20.4
60°-70°	1322.5	20.9
70°-80°	814.4	12.8
80°-90°	87.6	1.4
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°	6338.0	100.0
0°-180°	6338.0	100.0

Coefficient of Utilization



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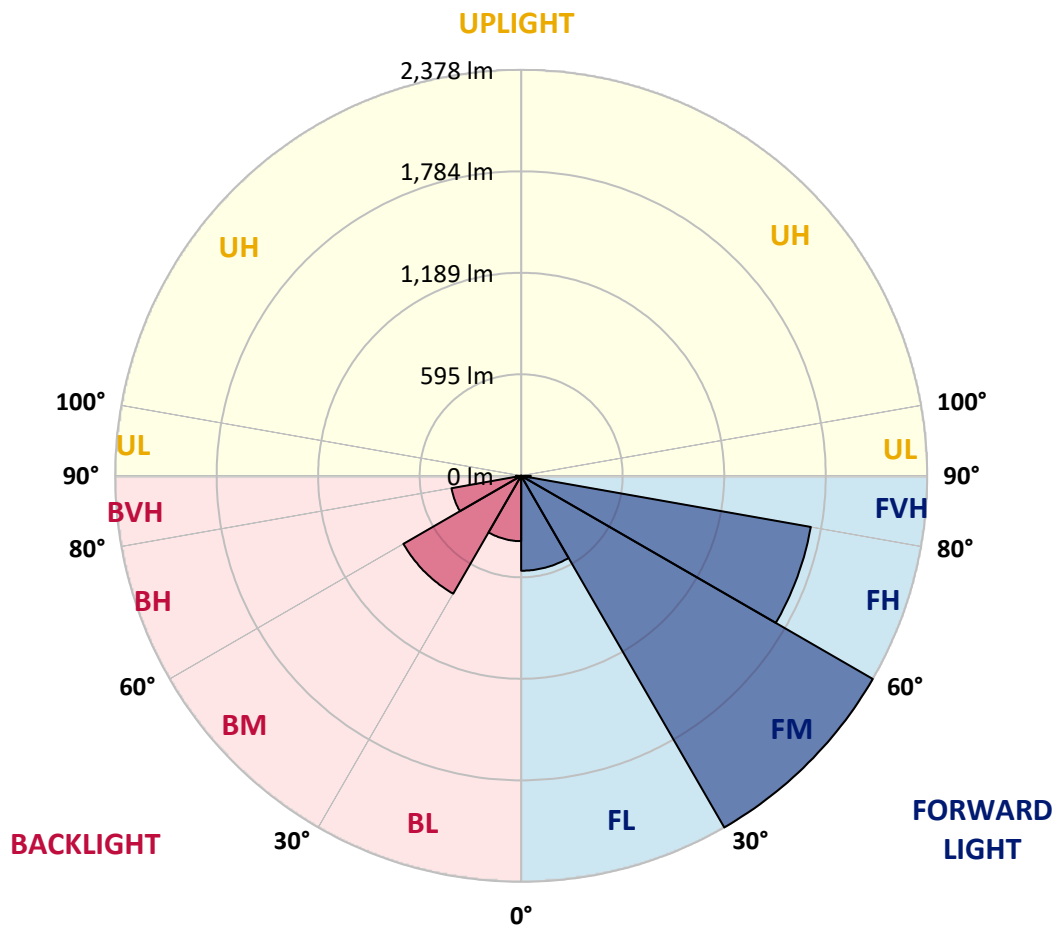
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	555.8	8.8			
FM	(30°-60°)	2378.2	37.5			
FH	(60°-80°)	1722.8	27.2			G1/1800
FVH	(80°-90°)	56.5	0.9			G1/100
BL	(0°-30°)	382.6	6.0	B1/500		
BM	(30°-60°)	796.9	12.6	B1/1000		
BH	(60°-80°)	414.1	6.5	B1/500		G1/500
BVH	(80°-90°)	31.1	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1078.1	1078.1	1078.1	1078.1	1078.1	1078.1	1078.1	1078.1	1078.1	1078.1	1078.1
2.5°	1106.4	1110.0	1117.0	1111.7	1115.3	1106.4	1099.3	1101.1	1099.3	1092.3	1074.6
5°	1150.7	1152.4	1163.1	1156.0	1154.2	1147.1	1133.0	1127.7	1127.7	1113.5	1086.9
7.5°	1189.6	1191.4	1202.0	1191.4	1191.4	1179.0	1164.8	1154.2	1154.2	1131.2	1097.6
10°	1214.4	1216.2	1225.0	1221.5	1223.3	1207.3	1189.6	1175.5	1173.7	1148.9	1104.6
12.5°	1242.7	1244.5	1256.9	1251.6	1253.4	1242.7	1223.3	1202.0	1200.2	1170.1	1115.3
15°	1267.5	1269.3	1279.9	1279.9	1287.0	1274.6	1258.7	1237.4	1233.9	1194.9	1129.4
17.5°	1283.4	1285.2	1301.1	1304.7	1315.3	1308.2	1294.1	1269.3	1264.0	1219.7	1143.6
20°	1301.1	1304.7	1318.9	1322.4	1338.3	1338.3	1325.9	1299.4	1294.1	1242.7	1157.8
22.5°	1336.6	1343.6	1352.5	1350.7	1364.9	1366.6	1357.8	1334.8	1327.7	1272.8	1175.5
25°	1430.4	1441.0	1441.0	1416.2	1412.7	1403.8	1395.0	1377.3	1370.2	1311.8	1198.5
27.5°	1595.0	1593.2	1582.6	1531.3	1485.3	1453.4	1441.0	1421.5	1414.4	1347.2	1221.5
30°	1770.3	1768.5	1754.3	1678.2	1589.7	1508.3	1487.0	1465.8	1456.9	1380.8	1242.7
32.5°	1938.4	1936.7	1927.8	1839.3	1710.1	1580.9	1545.4	1513.6	1499.4	1421.5	1272.8
35°	2076.5	2076.5	2069.4	1979.2	1818.1	1672.9	1612.7	1570.2	1557.8	1474.6	1318.9
37.5°	2202.2	2204.0	2198.7	2099.5	1915.4	1761.4	1694.1	1646.4	1630.4	1540.1	1368.4
40°	2377.5	2365.1	2358.0	2221.7	2007.5	1842.9	1780.9	1731.3	1711.9	1603.9	1410.9
42.5°	2512.0	2527.9	2469.5	2329.7	2099.5	1919.0	1869.4	1821.6	1800.4	1676.4	1465.8
45°	2563.4	2552.7	2510.2	2391.6	2242.9	1995.1	1961.5	1926.1	1903.0	1768.5	1536.6
47.5°	2584.6	2563.4	2508.5	2427.0	2379.2	2090.7	2064.1	2055.3	2030.5	1878.3	1618.0
50°	2533.3	2512.0	2490.8	2446.5	2427.0	2175.7	2175.7	2209.3	2182.7	2002.2	1708.3
52.5°	2398.7	2393.4	2414.6	2437.7	2379.2	2234.1	2306.7	2379.2	2354.5	2140.3	1805.7
55°	2150.9	2158.0	2274.8	2370.4	2343.8	2283.6	2448.3	2572.2	2545.6	2294.3	1901.3
57.5°	1942.0	1938.4	2039.4	2265.9	2297.8	2347.4	2605.8	2781.1	2751.0	2457.1	1996.9
60°	1701.2	1701.2	1818.1	2090.7	2237.6	2407.6	2766.9	2993.5	2963.4	2627.1	2096.0
62.5°	1386.1	1380.8	1584.4	1857.0	2131.4	2441.2	2906.8	3191.8	3167.0	2786.4	2170.4
65°	1049.8	1046.2	1317.1	1634.0	1968.5	2421.7	3004.1	3356.4	3344.0	2922.7	2223.5
67.5°	690.4	693.9	1016.1	1370.2	1734.9	2327.9	3018.3	3476.8	3471.5	3007.7	2230.5
70°	462.0	463.8	734.7	1044.5	1410.9	2126.1	2905.0	3483.9	3494.5	3009.5	2161.5
72.5°	331.0	334.6	513.4	740.0	984.3	1757.9	2657.2	3278.5	3313.9	2832.4	1936.7
75°	230.1	233.7	336.4	462.0	587.7	1186.1	2149.1	2719.1	2782.9	2388.1	1570.2
77.5°	155.8	154.0	187.6	300.9	350.5	642.6	1345.4	1811.0	1885.3	1607.4	1110.0
80°	118.6	116.8	123.9	164.6	177.0	272.6	582.4	872.7	947.1	741.7	513.4
82.5°	79.7	76.1	79.7	93.8	90.3	115.1	162.9	295.6	339.9	339.9	226.6
85°	37.2	37.2	42.5	44.3	37.2	46.0	47.8	56.6	65.5	67.3	49.6
87.5°	3.5	3.5	5.3	5.3	3.5	5.3	5.3	5.3	5.3	5.3	5.3
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°	1078.1	1078.1	1078.1	1078.1	1078.1	1078.1	1078.1	1078.1	1078.1	1078.1	1078.1
2.5°	1071.0	1069.2	1069.2	1065.7	1058.6	1049.8	1040.9	1035.6	1032.1	1033.8	1035.6
5°	1081.6	1076.3	1065.7	1056.9	1042.7	1025.0	1014.4	1003.7	998.4	1002.0	1005.5
7.5°	1088.7	1079.9	1060.4	1044.5	1021.4	1002.0	986.0	973.6	964.8	966.6	966.6
10°	1090.5	1074.6	1049.8	1025.0	994.9	970.1	950.6	936.5	929.4	927.6	929.4
12.5°	1097.6	1076.3	1039.1	1009.1	971.9	941.8	920.5	904.6	895.8	897.5	897.5
15°	1104.6	1078.1	1033.8	993.1	950.6	918.8	894.0	878.1	869.2	871.0	869.2
17.5°	1111.7	1079.9	1026.8	977.2	927.6	892.2	867.4	851.5	842.6	848.0	848.0
20°	1118.8	1081.6	1014.4	957.7	902.8	865.7	842.6	824.9	816.1	824.9	824.9
22.5°	1127.7	1083.4	1002.0	936.5	876.3	840.9	816.1	801.9	796.6	803.7	805.5
25°	1141.8	1085.2	991.4	913.5	849.7	812.6	793.1	786.0	784.2	794.9	798.4
27.5°	1154.2	1092.3	977.2	886.9	819.6	784.2	771.8	771.8	777.1	791.3	796.6
30°	1166.6	1092.3	961.3	855.0	784.2	750.6	748.8	759.4	768.3	782.5	789.5
32.5°	1186.1	1097.6	941.8	823.2	747.1	718.7	729.4	745.3	757.7	771.8	777.1
35°	1219.7	1117.0	929.4	789.5	706.3	690.4	711.6	736.4	743.5	755.9	761.2
37.5°	1256.9	1145.4	924.1	757.7	670.9	663.9	695.7	722.3	725.8	731.1	736.4
40°	1283.4	1157.8	915.2	729.4	637.3	637.3	672.7	697.5	692.2	695.7	699.3
42.5°	1315.3	1163.1	895.8	704.6	609.0	609.0	640.8	662.1	655.0	662.1	667.4
45°	1359.6	1175.5	869.2	679.8	584.2	577.1	600.1	617.8	633.8	660.3	665.6
47.5°	1414.4	1202.0	846.2	647.9	561.2	538.2	552.3	582.4	603.7	632.0	637.3
50°	1474.6	1226.8	828.5	614.3	536.4	497.4	504.5	538.2	550.6	568.3	570.0
52.5°	1534.8	1249.8	812.6	586.0	508.1	449.6	462.0	495.7	502.8	513.4	513.4
55°	1595.0	1271.1	794.9	562.9	474.4	407.2	421.3	455.0	460.3	470.9	472.7
57.5°	1657.0	1294.1	784.2	541.7	435.5	377.1	387.7	417.8	426.6	435.5	435.5
60°	1708.3	1311.8	777.1	520.5	400.1	347.0	354.1	380.6	391.2	396.5	398.3
62.5°	1743.7	1320.6	770.1	495.7	368.2	318.6	324.0	350.5	362.9	366.4	366.4
65°	1763.2	1320.6	755.9	460.3	338.1	292.1	293.9	320.4	334.6	343.4	345.2
67.5°	1752.6	1306.5	720.5	421.3	309.8	269.1	270.9	293.9	308.0	316.9	316.9
70°	1690.6	1253.4	660.3	370.0	281.5	246.1	247.8	267.3	277.9	274.4	267.3
72.5°	1511.8	1120.6	562.9	315.1	253.1	224.8	226.6	242.5	235.4	231.9	233.7
75°	1230.3	886.9	423.1	244.3	212.4	198.3	203.6	208.9	201.8	205.4	203.6
77.5°	842.6	575.3	290.3	177.0	169.9	166.4	177.0	177.0	171.7	177.0	171.7
80°	380.6	269.1	164.6	115.1	118.6	120.4	132.8	132.8	139.9	145.2	143.4
82.5°	166.4	134.5	88.5	67.3	72.6	79.7	90.3	99.1	111.5	116.8	115.1
85°	42.5	35.4	35.4	31.9	42.5	42.5	51.3	58.4	60.2	60.2	60.2
87.5°	5.3	5.3	7.1	7.1	10.6	8.9	12.4	10.6	10.6	14.2	15.9
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)