

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: P1210055

Luminaire Tested: **ARCH1-60-740-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210055
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: ARCH1-60-740-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 4000K, 1640mA LIGHTSQUARE WITH 10 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

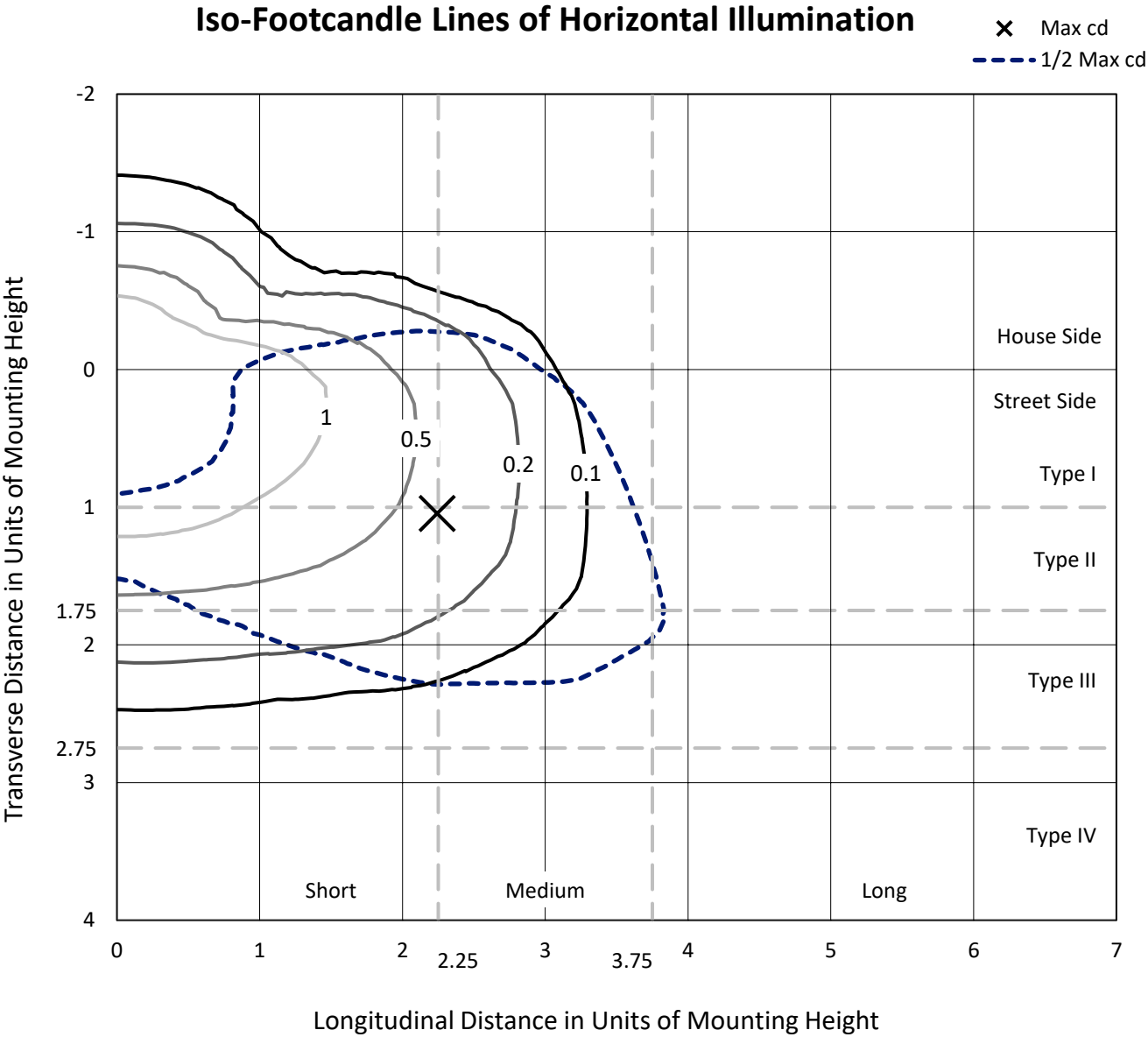
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7514 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

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



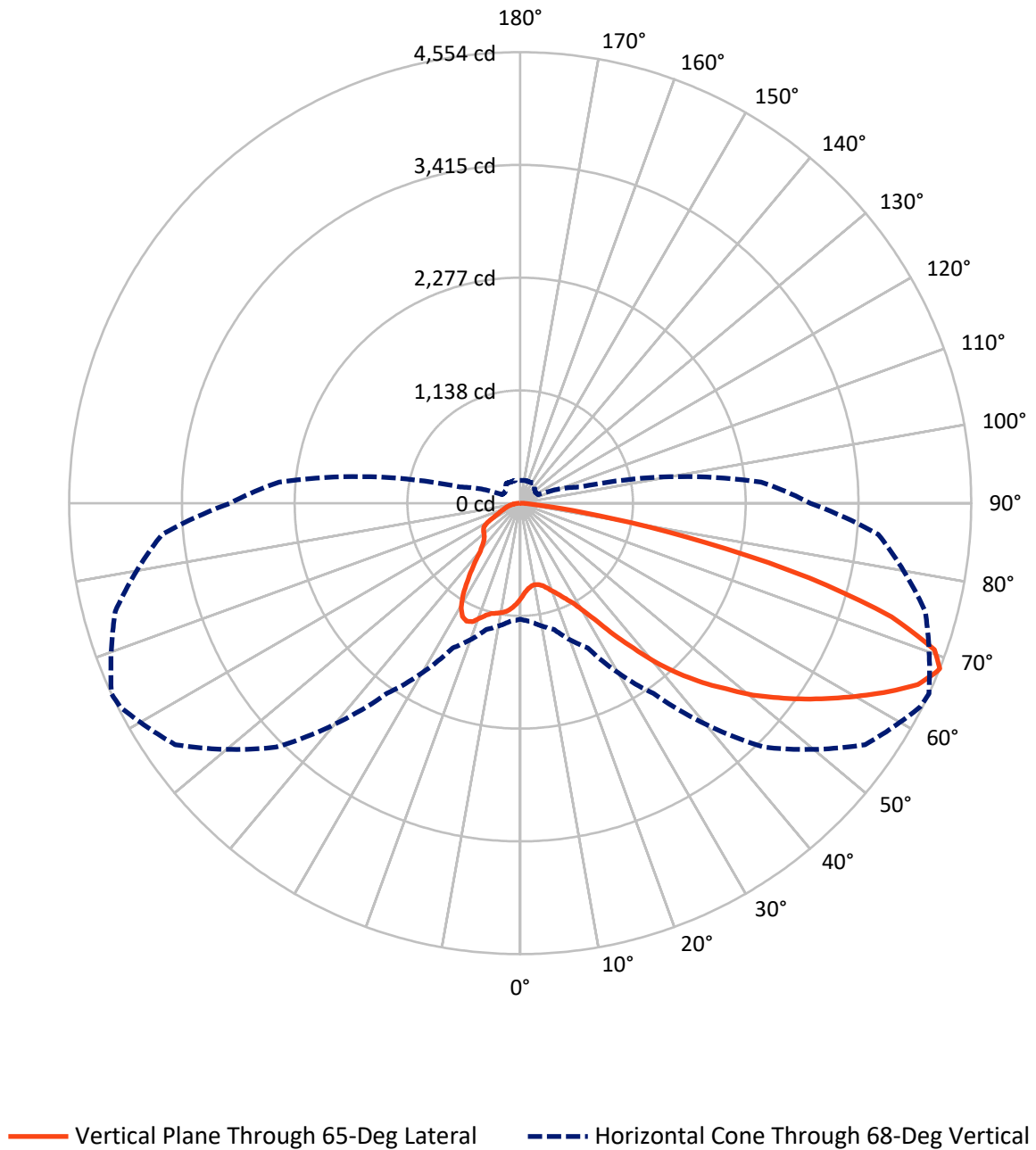
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Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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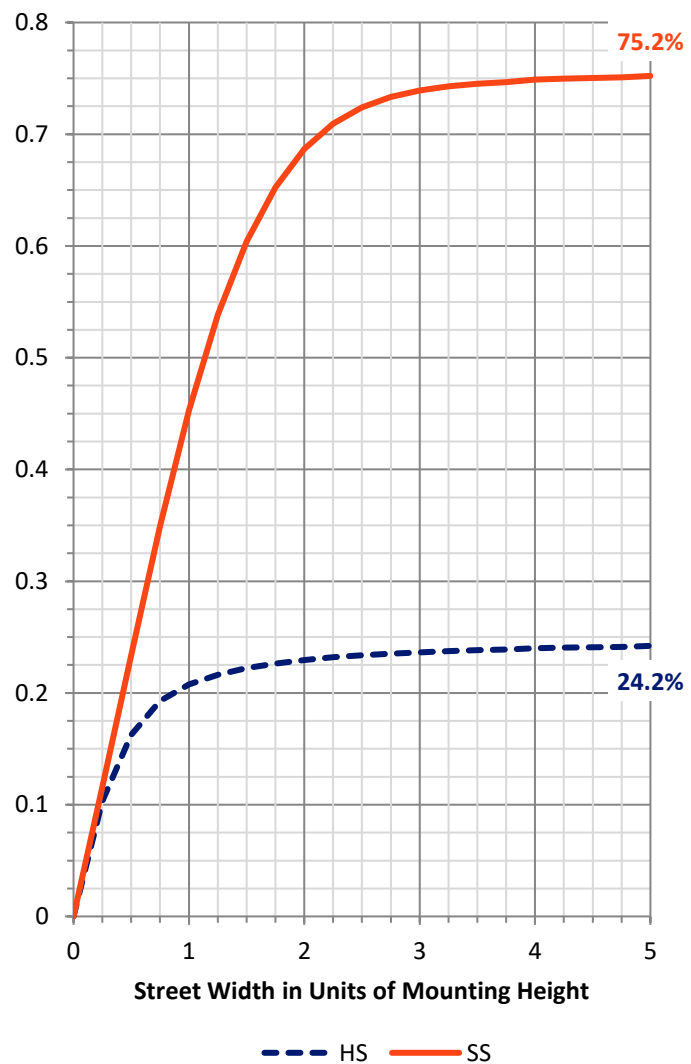
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1842.2	0.0	1842.2
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	5671.8	0.0	5671.8
	% Fixture	75.5	0.0	75.5
Total	Lumens	7514.0	0.0	7514.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.8	1.2
10°-20°	298.8	4.0
20°-30°	540.8	7.2
30°-40°	850.7	11.3
40°-50°	1267.0	16.9
50°-60°	1662.1	22.1
60°-70°	1817.6	24.2
70°-80°	899.4	12.0
80°-90°	85.8	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°	7514.0	100.0
0°-180°	7514.0	100.0

Coefficient of Utilization



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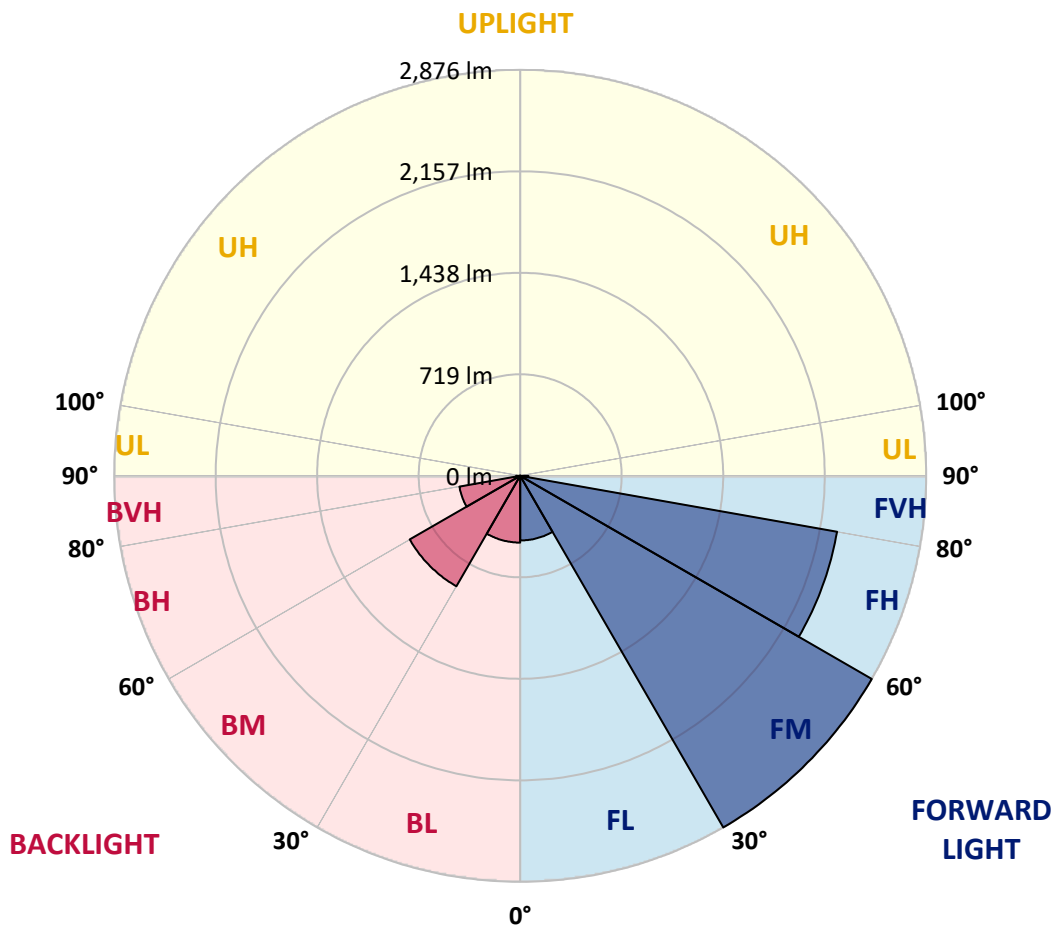
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	458.1	6.1			
FM	(30°-60°)	2876.3	38.3			
FH	(60°-80°)	2279.8	30.3			G2/5000
FVH	(80°-90°)	57.7	0.8			G1/100
BL	(0°-30°)	473.3	6.3	B1/500		
BM	(30°-60°)	903.6	12.0	B1/1000		
BH	(60°-80°)	437.3	5.8	B1/500		G1/500
BVH	(80°-90°)	28.1	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°	960.2	960.2	960.2	960.2	960.2	960.2	960.2	960.2	960.2	960.2	960.2
2.5°	838.1	836.2	841.0	845.9	856.5	869.1	886.6	901.1	903.0	930.2	951.5
5°	788.7	785.8	790.6	796.5	801.3	816.8	835.2	856.5	865.2	905.0	950.5
7.5°	793.5	792.6	794.5	792.6	792.6	799.4	812.0	833.3	843.0	890.4	955.4
10°	821.6	823.6	824.5	818.7	812.9	810.0	813.9	828.4	835.2	891.4	976.7
12.5°	868.2	871.1	872.0	861.4	853.6	841.0	834.2	840.1	844.9	901.1	1006.7
15°	931.1	933.1	926.3	919.5	900.1	884.6	868.2	863.3	865.2	921.4	1040.6
17.5°	1004.8	1001.9	1001.9	985.4	960.2	936.0	908.8	905.0	905.0	954.4	1089.1
20°	1085.2	1088.1	1079.4	1057.1	1031.9	994.1	967.0	949.5	951.5	992.2	1148.2
22.5°	1201.5	1206.3	1183.0	1151.1	1112.3	1068.7	1030.0	1001.9	1002.8	1041.6	1209.2
25°	1326.4	1328.4	1313.9	1271.2	1218.9	1156.9	1105.5	1069.7	1068.7	1096.8	1287.7
27.5°	1454.3	1463.1	1434.0	1393.3	1344.9	1267.3	1199.5	1151.1	1143.3	1181.1	1385.6
30°	1586.1	1596.8	1568.7	1529.0	1468.9	1403.0	1322.6	1266.4	1261.5	1311.9	1516.4
32.5°	1718.9	1721.8	1699.5	1666.5	1612.3	1550.3	1485.4	1423.3	1418.5	1500.9	1685.9
35°	1827.4	1836.1	1820.6	1812.8	1773.1	1716.0	1653.0	1617.1	1629.7	1735.3	1905.9
37.5°	1958.2	1966.9	1949.5	1947.5	1934.9	1885.5	1841.9	1844.8	1857.4	2000.8	2137.4
40°	2147.1	2156.8	2112.2	2092.9	2092.9	2044.4	2029.9	2098.7	2115.1	2262.4	2378.7
42.5°	2307.0	2322.5	2296.3	2283.7	2246.0	2212.0	2229.5	2326.4	2354.5	2512.4	2588.9
45°	2384.5	2396.1	2427.1	2464.0	2427.1	2368.0	2433.9	2543.4	2583.1	2743.0	2799.2
47.5°	2426.2	2436.8	2472.7	2571.5	2596.7	2547.3	2640.3	2776.9	2804.0	2971.7	2999.8
50°	2432.0	2465.9	2512.4	2611.2	2726.5	2733.3	2847.7	3014.3	3046.3	3196.5	3176.1
52.5°	2384.5	2398.1	2494.0	2660.6	2788.5	2904.8	3073.4	3242.0	3265.3	3407.7	3332.1
55°	2307.0	2326.4	2422.3	2649.0	2848.6	3067.6	3303.0	3465.8	3492.0	3613.1	3476.5
57.5°	2237.2	2246.9	2349.6	2615.1	2908.7	3230.4	3507.5	3699.3	3716.8	3793.3	3583.1
60°	2159.7	2170.4	2273.1	2542.4	2953.3	3353.4	3720.6	3934.8	3950.3	3983.2	3707.1
62.5°	1959.2	1987.3	2116.1	2422.3	2941.6	3493.9	3948.3	4167.3	4186.7	4150.8	3804.9
65°	1591.0	1630.7	1788.6	2150.0	2833.1	3585.0	4134.4	4381.4	4414.4	4276.8	3831.1
67.5°	1235.4	1263.5	1390.4	1706.3	2452.3	3539.5	4254.5	4528.7	4538.4	4256.5	3685.8
68°	1171.4	1199.5	1320.6	1613.2	2346.7	3485.2	4251.6	4532.6	4553.9	4234.2	3629.6
70°	896.2	928.2	1043.5	1278.0	1891.3	3140.3	4074.3	4439.6	4436.7	3964.8	3280.8
72.5°	560.0	578.4	657.9	806.1	1250.9	2389.4	3458.1	3915.4	3923.1	3232.3	2516.3
75°	355.6	355.6	351.7	390.5	641.4	1361.3	2570.5	3014.3	3020.1	2263.4	1586.1
77.5°	309.1	300.4	258.7	219.0	255.8	529.0	1521.2	1946.6	1914.6	1218.9	752.8
80°	260.6	246.1	212.2	176.3	164.7	165.7	584.3	988.3	945.7	438.9	250.0
82.5°	188.0	175.4	159.9	138.6	126.9	98.8	122.1	285.8	279.0	126.9	81.4
85°	101.7	92.0	90.1	91.1	76.5	61.0	51.4	63.0	63.0	55.2	46.5
87.5°	35.8	26.2	31.0	34.9	30.0	25.2	20.3	24.2	25.2	24.2	22.3
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°	960.2	960.2	960.2	960.2	960.2	960.2	960.2	960.2	960.2	960.2	960.2
2.5°	964.1	973.8	997.0	1017.4	1031.9	1044.5	1051.3	1054.2	1061.0	1061.9	1060.0
5°	971.8	997.0	1031.9	1061.9	1078.4	1085.2	1087.1	1088.1	1085.2	1087.1	1085.2
7.5°	992.2	1024.1	1073.6	1099.7	1102.6	1092.0	1092.9	1089.1	1092.9	1096.8	1096.8
10°	1023.2	1063.9	1110.4	1120.1	1107.5	1101.7	1113.3	1136.5	1144.3	1155.0	1155.0
12.5°	1063.9	1112.3	1145.3	1136.5	1124.9	1144.3	1178.2	1201.5	1209.2	1213.1	1210.2
15°	1110.4	1162.7	1179.2	1150.1	1171.4	1213.1	1224.7	1211.1	1191.8	1183.0	1187.9
17.5°	1169.5	1213.1	1203.4	1184.0	1232.5	1238.3	1200.5	1156.9	1125.9	1114.3	1122.0
20°	1231.5	1269.3	1224.7	1233.4	1263.5	1201.5	1129.8	1073.6	1046.4	1041.6	1049.3
22.5°	1297.4	1321.6	1246.0	1290.6	1246.0	1120.1	1033.8	1004.8	998.0	1005.7	1012.5
25°	1372.0	1369.1	1282.8	1308.0	1181.1	1020.3	968.9	967.0	967.0	971.8	981.5
27.5°	1456.3	1410.7	1319.7	1284.8	1068.7	937.9	928.2	929.2	926.3	927.3	932.1
30°	1554.1	1466.9	1360.4	1208.2	942.8	875.9	872.0	869.1	862.3	860.4	862.3
32.5°	1677.2	1526.0	1402.0	1082.3	832.3	812.0	810.0	794.5	778.0	776.1	782.9
35°	1833.2	1633.6	1423.3	924.3	741.2	740.3	733.5	709.2	687.9	687.9	683.1
37.5°	2011.5	1772.2	1432.1	770.3	665.6	670.5	651.1	620.1	603.6	593.9	596.9
40°	2193.6	1930.1	1431.1	635.6	599.8	600.7	586.2	548.4	507.7	483.5	489.3
42.5°	2369.0	2073.5	1405.9	563.9	546.5	543.6	531.9	480.6	446.7	427.3	428.3
45°	2509.5	2221.7	1367.1	521.3	498.0	502.9	476.7	445.7	414.7	397.3	396.3
47.5°	2650.0	2334.1	1305.1	495.1	462.2	453.5	442.8	421.5	398.2	378.8	379.8
50°	2777.9	2430.0	1247.0	477.7	429.2	406.9	408.9	396.3	375.9	358.5	357.5
52.5°	2868.0	2493.0	1215.0	468.0	389.5	365.3	372.1	365.3	345.9	333.3	332.3
55°	2958.1	2541.5	1225.7	455.4	345.9	326.5	338.2	336.2	325.6	321.7	322.6
57.5°	3030.8	2578.3	1263.5	432.1	304.2	292.6	312.0	306.2	298.4	299.4	299.4
60°	3101.5	2625.8	1308.0	378.8	268.4	269.4	287.8	277.1	272.3	281.0	282.0
62.5°	3175.1	2677.1	1271.2	301.3	237.4	244.2	265.5	256.8	258.7	271.3	275.2
65°	3166.4	2672.3	1035.8	247.1	210.3	223.8	255.8	252.9	253.9	258.7	260.6
67.5°	2988.1	2501.7	712.2	210.3	190.9	207.3	248.0	236.4	237.4	234.5	235.4
68°	2928.1	2441.7	627.9	204.4	187.0	203.5	244.2	233.5	234.5	231.6	230.6
70°	2600.6	2090.9	397.3	180.2	173.4	192.8	224.8	220.9	219.9	218.0	218.0
72.5°	1982.4	1543.5	209.3	156.0	157.9	176.3	200.6	208.3	203.5	204.4	210.3
75°	1312.9	928.2	145.3	133.7	138.6	151.2	178.3	193.8	188.9	191.8	188.9
77.5°	694.7	500.0	116.3	113.4	113.4	122.1	147.3	171.5	171.5	169.6	166.7
80°	227.7	176.3	93.0	89.1	91.1	95.9	118.2	140.5	143.4	139.5	137.6
82.5°	76.5	81.4	69.8	64.9	66.9	70.7	89.1	107.5	108.5	100.8	98.8
85°	47.5	54.3	43.6	42.6	42.6	43.6	54.3	59.1	54.3	48.4	50.4
87.5°	22.3	27.1	20.3	17.4	14.5	12.6	9.7	3.9	3.9	1.9	1.9
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)