

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1503121

Luminaire Tested: PRV-P-50-8540-U-T4RE

Issue Date: 07/22/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503121
Test Lab: INNOVATION CENTER(G3)
Issue Date: 7/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-50-8540-U-T4RE
Description: PREVAIL PETITE DISCRETE LED 1 SQUARE 50W 85CRI 4000k FIXTURE w/ TYPE IV
ROADWAY ILLUMINANCE DISTRIBUTION OPTIC
Light Source: (10) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5836.3 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

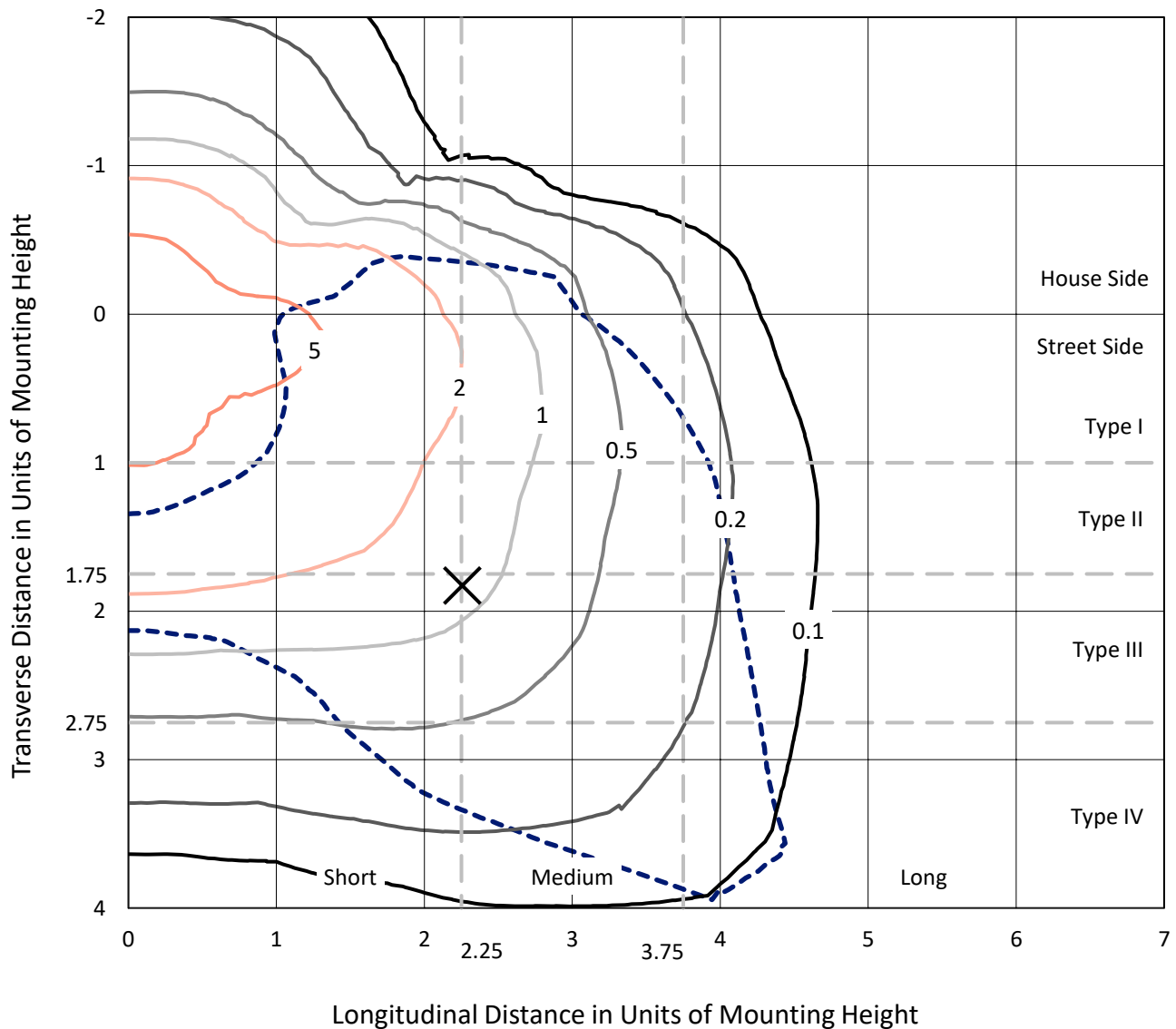
Input Watts (W): 52.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 6.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

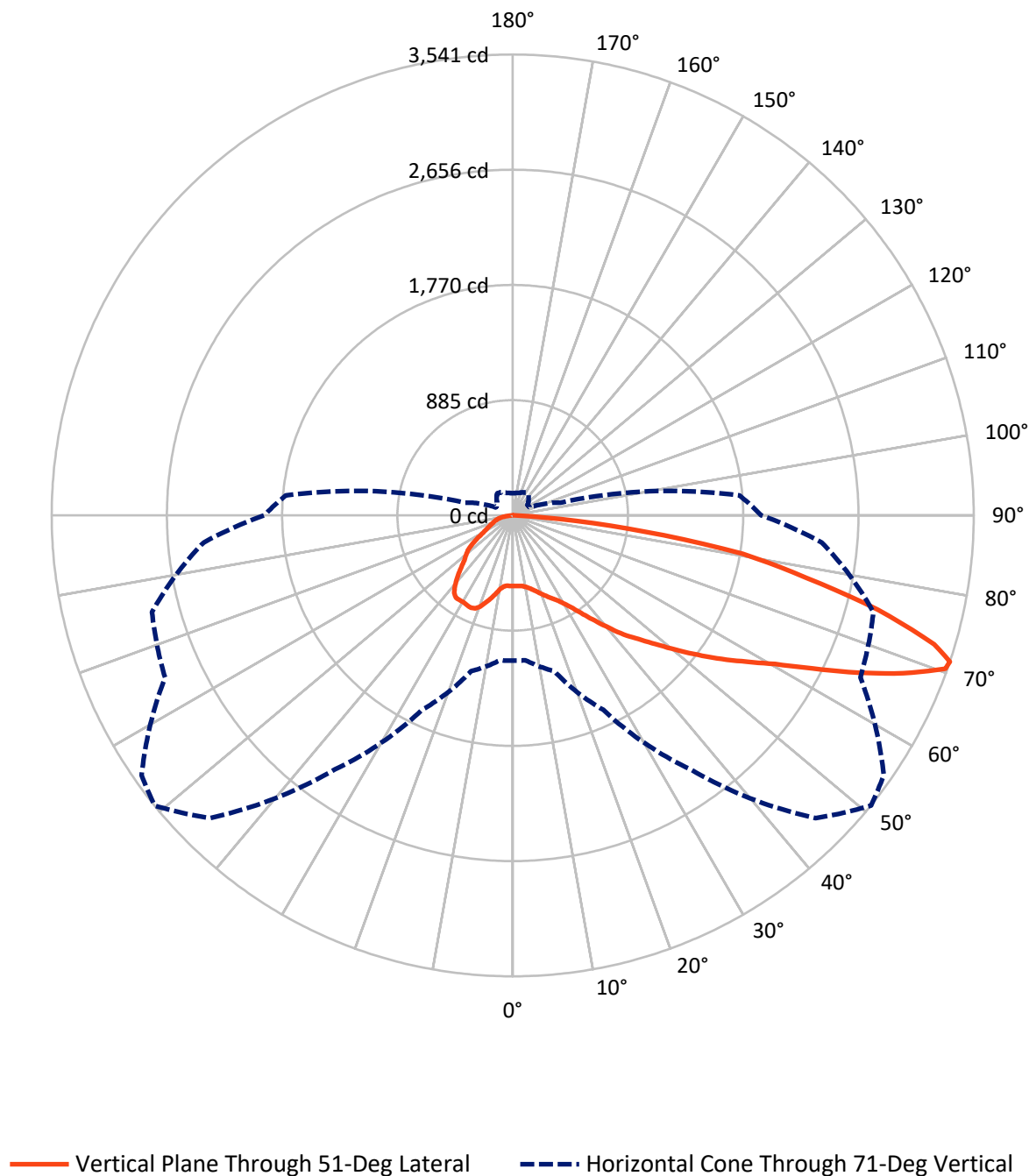


Based on 10 foot mounting height. Maximum calculated value = 6.3 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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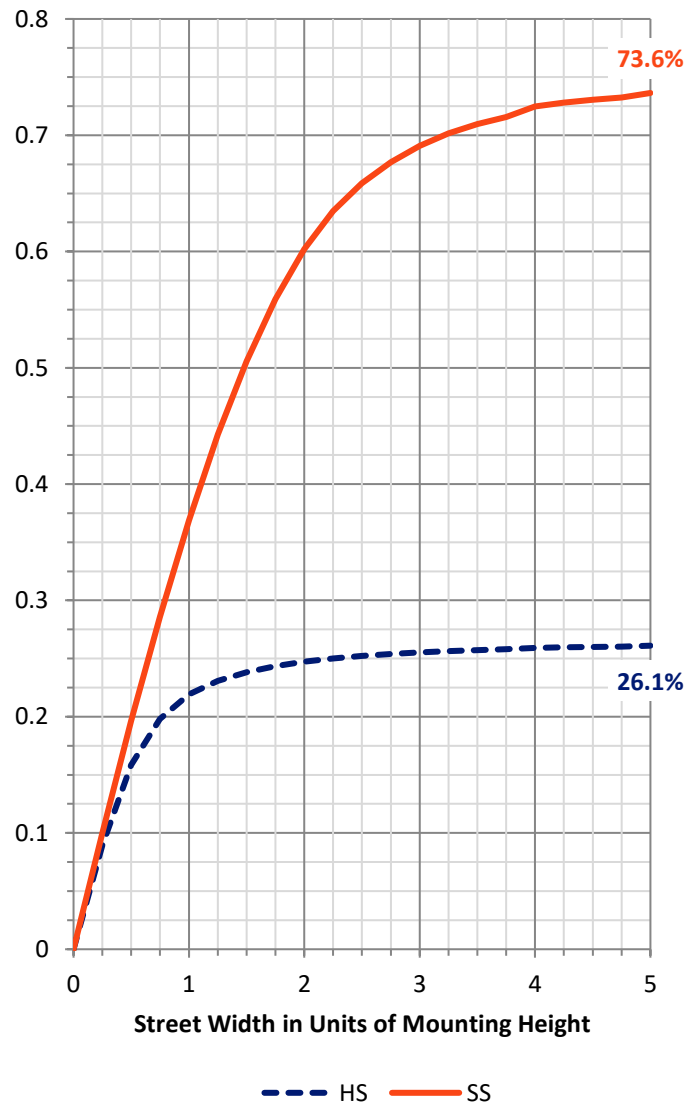
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1532.5	0.0	1532.5
	% Fixture	26.3	0.0	26.3
Street Side	Lumens	4303.8	0.0	4303.8
	% Fixture	73.7	0.0	73.7
Total	Lumens	5836.3	0.0	5836.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.8	0.9
10°-20°	180.3	3.1
20°-30°	342.7	5.9
30°-40°	546.4	9.4
40°-50°	851.1	14.6
50°-60°	1193.3	20.4
60°-70°	1512.2	25.9
70°-80°	1029.2	17.6
80°-90°	128.3	2.2
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°	5836.3	100.0
0°-180°	5836.3	100.0

Coefficient of Utilization



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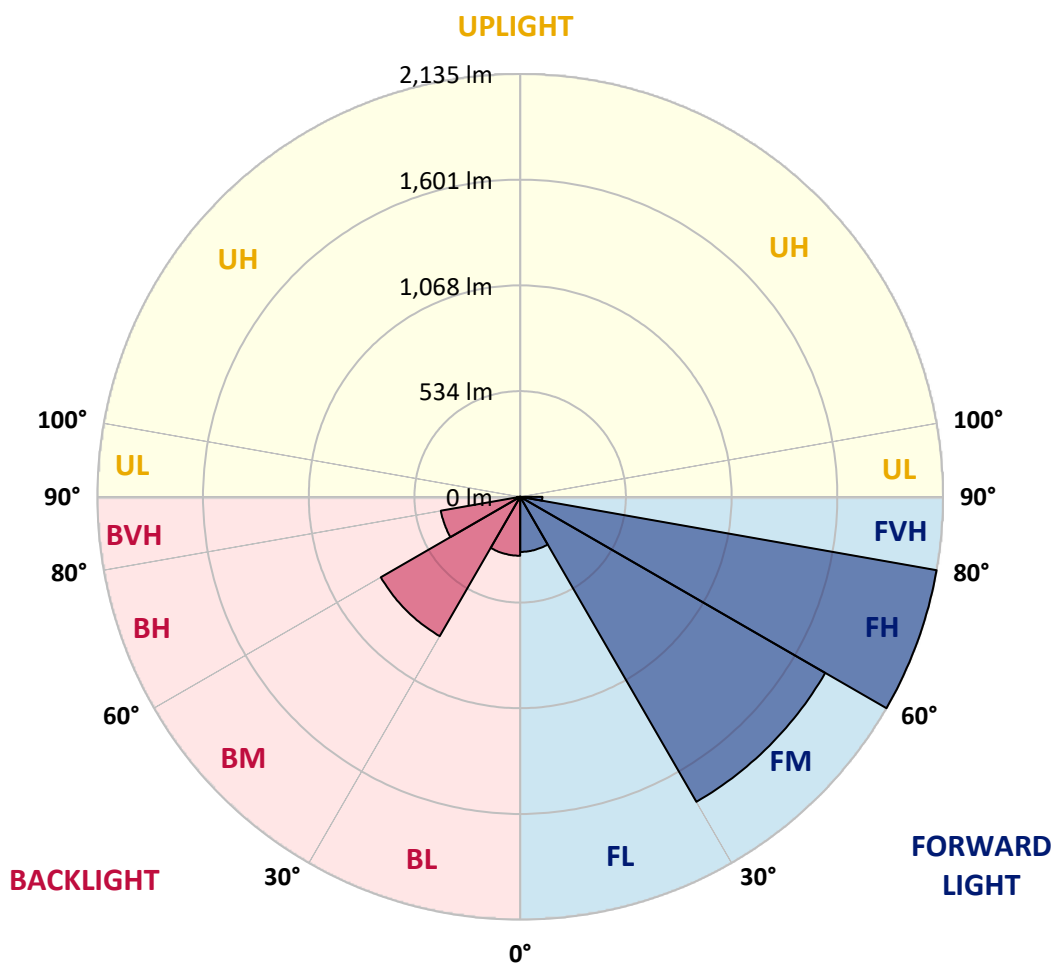
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	278.1	4.8			
FM	(30°-60°)	1778.5	30.5			
FH	(60°-80°)	2135.2	36.6			G2/5000
FVH	(80°-90°)	112.1	1.9			G2/225
BL	(0°-30°)	297.7	5.1	B1/500		
BM	(30°-60°)	812.2	13.9	B1/1000		
BH	(60°-80°)	406.3	7.0	B1/500		G1/500
BVH	(80°-90°)	16.3	0.3			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 IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	543.4	543.4	543.4	543.4	543.4	543.4	543.4	543.4	543.4	543.4	543.4
2.5°	543.4	542.1	543.4	545.9	545.9	543.4	543.4	543.4	542.1	543.4	544.6
5°	547.1	547.1	547.1	549.6	548.4	544.6	544.6	544.6	543.4	543.4	544.6
7.5°	562.1	560.8	560.8	558.3	554.6	550.9	548.4	548.4	545.9	545.9	547.1
10°	587.0	584.5	580.8	577.0	570.8	563.3	558.3	555.9	552.1	550.9	553.4
12.5°	609.4	609.4	604.5	599.5	592.0	582.0	573.3	570.8	563.3	560.8	565.8
15°	628.1	628.1	625.7	620.7	614.4	604.5	594.5	590.8	582.0	577.0	584.5
17.5°	639.4	639.4	638.1	638.1	635.6	625.7	618.2	614.4	603.2	598.2	609.4
20°	653.1	654.3	654.3	655.6	655.6	650.6	646.8	643.1	631.9	628.1	639.4
22.5°	674.3	674.3	674.3	678.0	676.8	676.8	675.5	671.8	664.3	658.1	671.8
25°	700.4	700.4	699.2	705.4	706.7	707.9	707.9	706.7	702.9	693.0	711.6
27.5°	744.1	745.3	741.6	740.3	740.3	745.3	741.6	746.5	744.1	740.3	765.2
30°	803.9	798.9	795.2	788.9	786.4	790.2	788.9	790.2	790.2	790.2	835.0
32.5°	873.7	869.9	866.2	855.0	847.5	847.5	850.0	851.2	851.2	858.7	913.6
35°	964.6	960.9	959.7	946.0	929.8	927.3	932.2	934.7	944.7	968.4	1024.5
37.5°	1061.9	1061.9	1059.4	1049.4	1027.0	1019.5	1025.7	1035.7	1059.4	1121.7	1176.5
40°	1189.0	1182.8	1175.3	1161.6	1127.9	1124.2	1132.9	1145.4	1189.0	1308.6	1400.9
42.5°	1317.4	1314.9	1312.4	1304.9	1248.8	1237.6	1251.3	1263.8	1339.8	1509.3	1602.8
45°	1429.5	1438.2	1424.5	1414.6	1353.5	1337.3	1356.0	1379.7	1496.8	1673.8	1800.9
47.5°	1566.6	1560.4	1542.9	1529.2	1473.1	1454.5	1475.6	1511.8	1642.6	1823.4	1967.9
50°	1667.6	1667.6	1656.4	1657.6	1600.3	1595.3	1621.5	1665.1	1777.2	1981.6	2133.7
52.5°	1734.9	1732.4	1744.8	1763.5	1732.4	1742.4	1778.5	1817.1	1919.3	2113.8	2263.3
55°	1807.2	1808.4	1825.9	1860.8	1868.2	1891.9	1948.0	1982.9	2061.4	2257.1	2394.2
57.5°	1877.0	1880.7	1924.3	1967.9	1994.1	2057.7	2120.0	2152.4	2203.5	2406.6	2545.0
60°	1943.0	1946.7	1995.4	2105.0	2172.3	2273.3	2315.7	2339.3	2358.0	2597.3	2799.2
62.5°	1948.0	1949.2	2031.5	2216.0	2370.5	2540.0	2587.4	2589.8	2582.4	2907.7	3083.4
65°	1752.3	1757.3	1898.1	2212.2	2561.2	2864.0	2911.4	2885.2	2842.8	3164.4	3114.5
67.5°	1394.6	1432.0	1566.6	2004.1	2608.5	3166.9	3236.7	3210.5	3029.8	3164.4	2937.6
70°	1179.0	1194.0	1308.6	1714.9	2471.4	3310.2	3525.8	3472.2	3023.6	3003.6	2571.2
71°	1115.5	1116.7	1238.8	1647.6	2383.0	3289.0	3540.8	3479.7	2946.3	2867.8	2381.7
72.5°	918.5	924.8	1079.3	1555.4	2323.1	3156.9	3385.0	3338.9	2765.6	2618.5	2053.9
75°	467.4	479.8	655.6	1191.5	2115.0	2768.1	2898.9	2916.4	2406.6	2107.5	1511.8
77.5°	167.0	173.2	258.0	640.6	1483.1	2365.5	2305.7	2259.6	1779.7	1423.3	876.2
80°	88.5	88.5	99.7	189.4	740.3	1716.2	1791.0	1544.2	1025.7	684.2	378.9
82.5°	62.3	64.8	68.5	79.8	250.5	967.1	1017.0	918.5	433.7	231.8	87.2
85°	31.2	31.2	34.9	38.6	51.1	284.2	362.7	302.9	115.9	57.3	32.4
87.5°	1.2	1.2	1.2	2.5	5.0	10.0	12.5	8.7	6.2	3.7	2.5
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°	543.4	543.4	543.4	543.4	543.4	543.4	543.4	543.4	543.4	543.4	543.4
2.5°	543.4	543.4	543.4	543.4	543.4	542.1	542.1	540.9	542.1	544.6	543.4
5°	543.4	544.6	543.4	543.4	542.1	539.7	538.4	540.9	543.4	543.4	544.6
7.5°	547.1	548.4	547.1	545.9	548.4	549.6	552.1	558.3	562.1	567.1	567.1
10°	554.6	555.9	557.1	559.6	567.1	578.3	589.5	598.2	605.7	610.7	607.0
12.5°	567.1	572.1	578.3	588.3	607.0	620.7	629.4	643.1	654.3	653.1	659.3
15°	590.8	595.7	609.4	629.4	649.3	663.0	678.0	694.2	701.7	706.7	706.7
17.5°	618.2	626.9	651.8	675.5	691.7	707.9	721.6	730.3	732.8	734.1	735.3
20°	649.3	664.3	700.4	721.6	739.1	749.0	747.8	746.5	741.6	740.3	744.1
22.5°	690.5	712.9	749.0	766.5	772.7	767.7	755.3	745.3	737.8	736.6	737.8
25°	739.1	769.0	801.4	800.1	786.4	766.5	752.8	746.5	740.3	740.3	742.8
27.5°	796.4	826.3	847.5	816.3	781.4	761.5	757.8	757.8	747.8	744.1	746.5
30°	863.7	888.6	881.1	810.1	766.5	766.5	765.2	755.3	735.3	725.4	726.6
32.5°	941.0	952.2	898.6	788.9	765.2	771.5	752.8	721.6	693.0	681.7	684.2
35°	1035.7	1028.2	902.3	776.5	776.5	756.5	707.9	670.5	643.1	628.1	625.7
37.5°	1164.1	1111.7	898.6	785.2	774.0	704.2	645.6	613.2	584.5	564.6	565.8
40°	1348.5	1215.2	904.8	801.4	731.6	640.6	588.3	560.8	543.4	523.5	524.7
42.5°	1539.2	1346.0	952.2	803.9	665.5	580.8	545.9	535.9	517.2	497.3	493.5
45°	1696.2	1464.4	1074.3	767.7	592.0	530.9	524.7	513.5	487.3	457.4	454.9
47.5°	1835.8	1552.9	1228.9	691.7	509.7	506.0	502.3	481.1	447.4	412.5	410.0
50°	1944.3	1624.0	1346.0	608.2	462.4	484.8	467.4	432.5	388.9	355.2	351.5
52.5°	2032.7	1687.5	1412.1	521.0	431.2	446.2	411.3	375.1	349.0	324.0	321.5
55°	2116.2	1774.8	1454.5	456.2	385.1	382.6	351.5	337.8	324.0	301.6	296.6
57.5°	2228.4	1908.1	1536.7	438.7	326.5	312.8	314.1	312.8	305.3	287.9	284.2
60°	2444.0	2148.7	1621.5	406.3	265.5	263.0	294.1	297.9	286.7	266.7	263.0
62.5°	2623.5	2350.6	1478.1	299.1	224.3	236.8	274.2	280.4	260.5	248.0	244.3
65°	2596.1	2379.2	1106.7	206.9	194.4	216.9	255.5	255.5	236.8	230.6	225.6
67.5°	2394.2	2199.7	771.5	170.7	168.3	198.2	236.8	230.6	213.1	208.1	205.6
70°	2071.4	1879.4	502.3	152.1	147.1	182.0	214.4	204.4	188.2	182.0	182.0
71°	1908.1	1749.8	380.1	144.6	139.6	174.5	206.9	195.7	178.2	172.0	170.7
72.5°	1661.3	1466.9	259.2	134.6	132.1	164.5	193.2	183.2	164.5	154.5	150.8
75°	1207.7	1008.3	128.4	114.7	118.4	149.6	164.5	159.5	153.3	132.1	129.6
77.5°	701.7	583.3	94.7	96.0	103.4	129.6	137.1	127.1	110.9	91.0	87.2
80°	301.6	236.8	76.0	78.5	86.0	102.2	102.2	89.7	63.6	42.4	41.1
82.5°	73.5	71.0	58.6	58.6	57.3	61.1	62.3	48.6	31.2	12.5	2.5
85°	26.2	27.4	24.9	23.7	26.2	23.7	19.9	8.7	5.0	2.5	0.0
87.5°	2.5	2.5	2.5	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
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)