

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: P1503174

Luminaire Tested: PRV-P-70-8540-U-T4RE-HSS

Issue Date: 07/22/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503174
Test Lab: INNOVATION CENTER(G3)
Issue Date: 7/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-70-8540-U-T4RE-HSS
Description: PREVAIL PETITE DISCRETE LED 2 SQUARES 70W 85CRI 4000k FIXTURE w/ TYPE IV
ROADWAY ILLUMINANCE DISTRIBUTION OPTIC AND HOUSE SIDE SHIELD
Light Source: (20) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6394.2 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

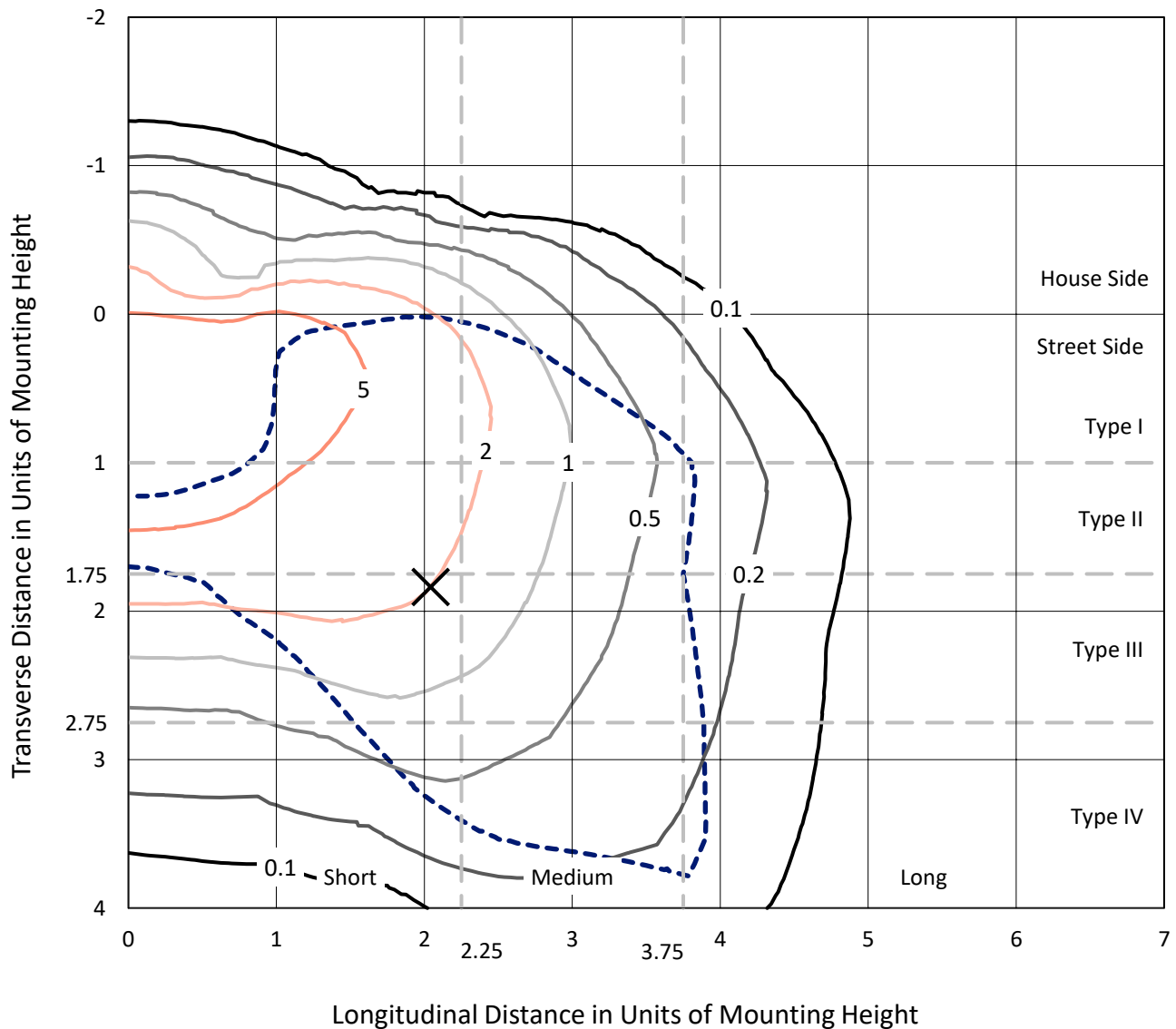
Input Watts (W): 74
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 8.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

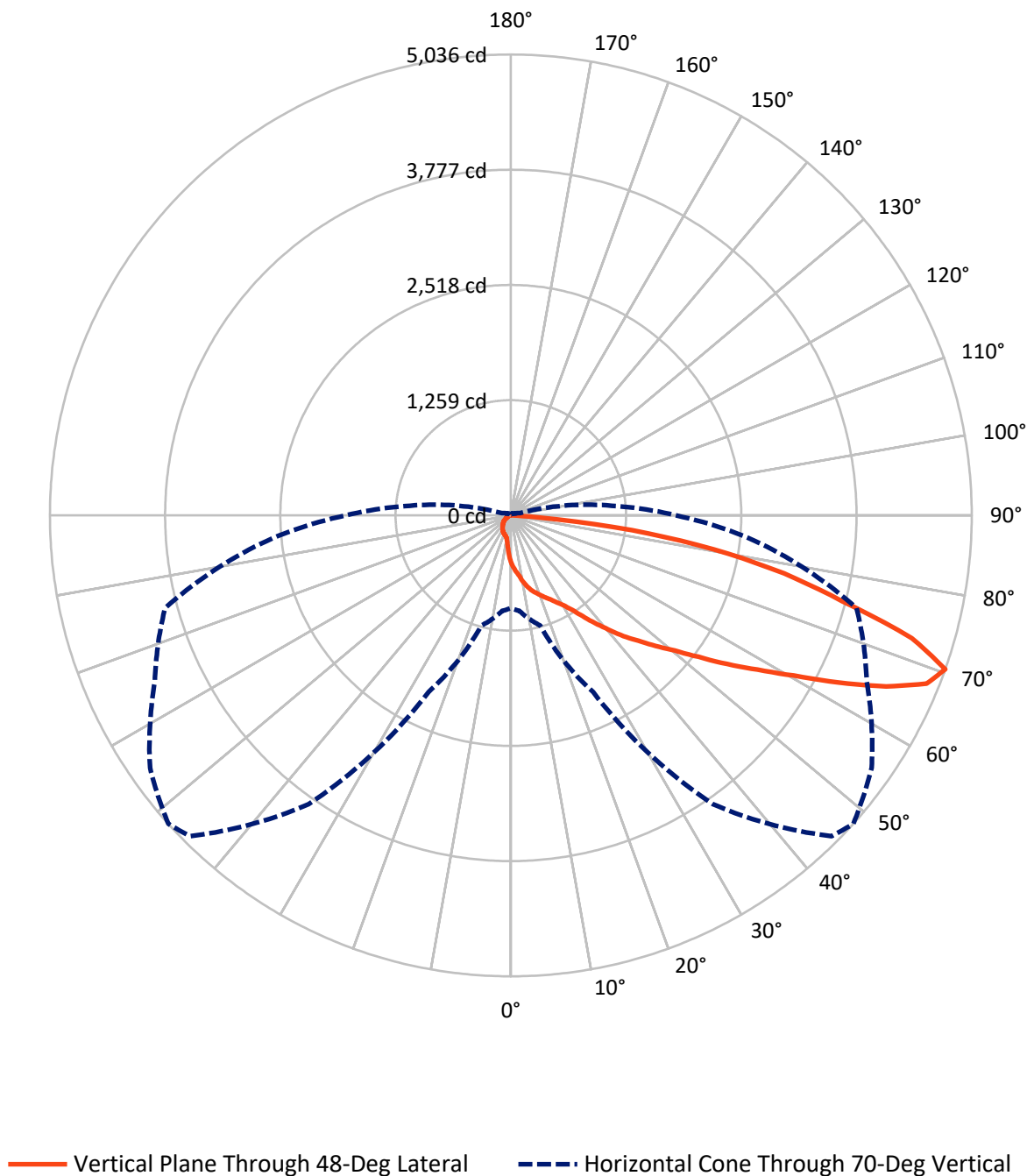


Based on 10 foot mounting height. Maximum calculated value = 8.5 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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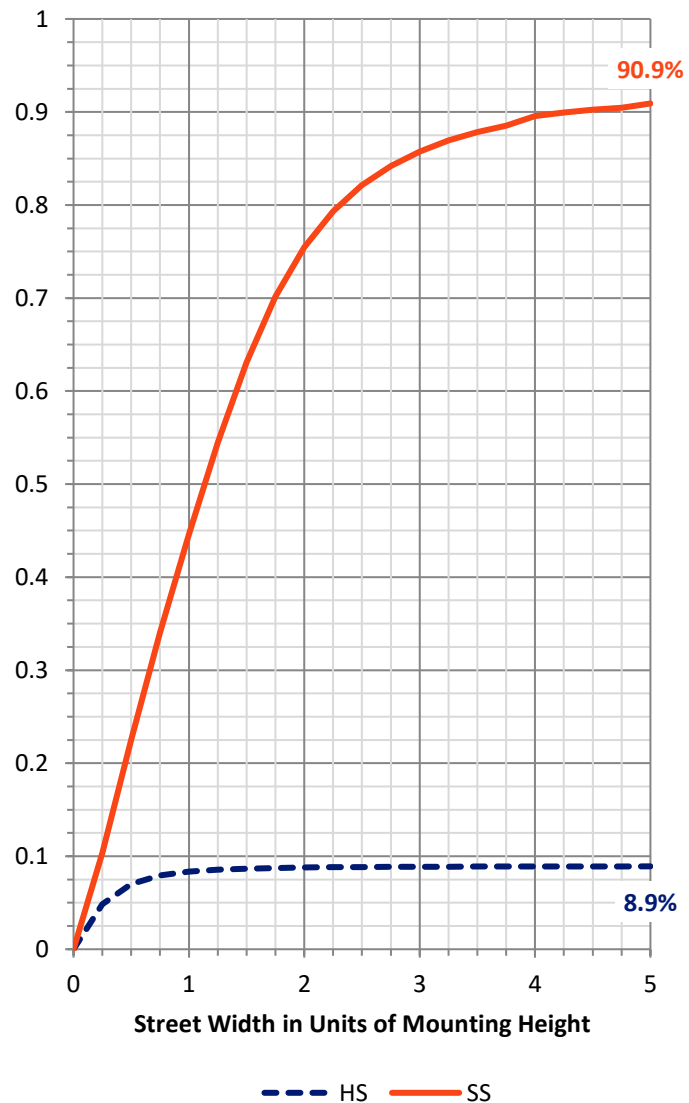
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	574.0	0.0	574.0
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	5820.1	0.0	5820.1
	% Fixture	91.0	0.0	91.0
Total	Lumens	6394.2	0.0	6394.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.0	0.8
10°-20°	153.5	2.4
20°-30°	278.9	4.4
30°-40°	475.9	7.4
40°-50°	876.3	13.7
50°-60°	1426.8	22.3
60°-70°	1812.0	28.3
70°-80°	1185.9	18.5
80°-90°	136.8	2.1
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°	6394.2	100.0
0°-180°	6394.2	100.0

Coefficient of Utilization



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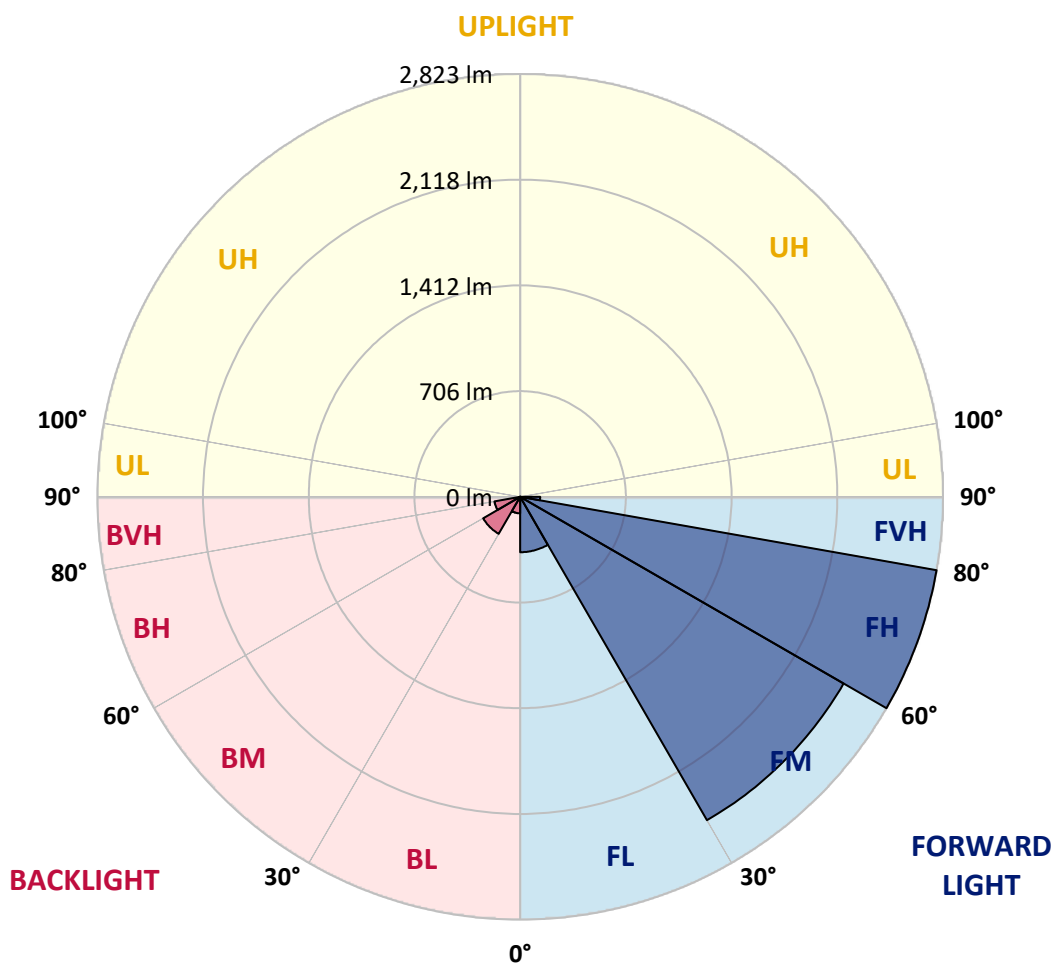
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	370.0	5.8			
FM	(30°-60°)	2493.4	39.0			
FH	(60°-80°)	2823.4	44.2			G2/5000
FVH	(80°-90°)	133.3	2.1			G2/225
BL	(0°-30°)	110.4	1.7	B1/500		
BM	(30°-60°)	285.6	4.5	B1/1000		
BH	(60°-80°)	174.6	2.7	B1/500		G1/500
BVH	(80°-90°)	3.4	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	48°	55°	65°	75°	85°
0°	517.3	517.3	517.3	517.3	517.3	517.3	517.3	517.3	517.3	517.3	517.3
2.5°	590.6	590.6	588.6	586.6	582.7	574.7	570.8	562.8	552.9	541.0	527.2
5°	667.9	658.0	661.9	654.0	638.2	620.3	616.4	602.5	582.7	560.9	535.1
7.5°	757.1	757.1	747.2	735.3	715.4	677.8	667.9	642.1	610.4	578.7	539.1
10°	828.4	824.4	818.5	808.6	790.8	749.1	737.2	703.6	644.1	596.5	547.0
12.5°	872.0	868.0	864.1	856.2	838.3	812.6	798.7	767.0	693.6	620.3	560.9
15°	901.7	899.8	895.8	891.8	878.0	862.1	848.2	824.4	755.1	660.0	580.7
17.5°	917.6	917.6	917.6	917.6	913.6	897.8	889.8	874.0	818.5	703.6	600.5
20°	937.4	939.4	939.4	943.4	943.4	939.4	931.5	921.6	879.9	761.0	624.3
22.5°	959.2	963.2	967.1	975.1	977.0	977.0	975.1	969.1	939.4	826.4	652.0
25°	992.9	992.9	996.9	1008.8	1018.7	1026.6	1020.7	1022.6	996.9	899.8	685.7
27.5°	1050.4	1042.5	1044.4	1050.4	1066.2	1078.1	1078.1	1078.1	1060.3	977.0	727.3
30°	1107.9	1107.9	1111.8	1111.8	1125.7	1143.5	1141.5	1147.5	1129.7	1064.3	780.8
32.5°	1181.2	1181.2	1183.2	1193.1	1208.9	1228.7	1228.7	1250.5	1226.8	1163.3	858.1
35°	1264.4	1266.4	1282.3	1302.1	1317.9	1343.7	1351.6	1381.3	1369.5	1306.0	967.1
37.5°	1357.6	1363.5	1387.3	1419.0	1428.9	1478.5	1492.3	1520.1	1553.8	1543.9	1161.4
40°	1462.6	1464.6	1496.3	1539.9	1561.7	1617.2	1637.0	1698.4	1783.7	1825.3	1448.7
42.5°	1637.0	1629.1	1639.0	1690.5	1696.5	1767.8	1803.5	1882.8	2019.5	2132.5	1748.0
45°	1914.5	1898.6	1859.0	1835.2	1805.5	1914.5	1954.1	2059.1	2285.1	2407.9	2021.5
47.5°	2205.8	2186.0	2132.5	2084.9	1987.8	2082.9	2130.5	2265.2	2509.0	2653.7	2241.5
50°	2455.5	2447.6	2407.9	2358.4	2247.4	2279.1	2322.7	2505.1	2727.0	2913.3	2443.6
52.5°	2637.8	2631.9	2625.9	2633.9	2538.7	2538.7	2566.5	2748.8	2941.1	3121.4	2620.0
55°	2772.6	2778.5	2784.5	2853.9	2830.1	2814.2	2867.7	3004.5	3165.0	3329.5	2772.6
57.5°	2750.8	2770.6	2927.2	3063.9	3099.6	3157.1	3176.9	3281.9	3400.8	3547.5	2923.2
60°	2445.6	2475.3	2723.1	3268.1	3416.7	3525.7	3551.5	3595.1	3646.6	3809.1	3147.2
62.5°	2124.5	2148.3	2366.3	3234.4	3759.6	4005.3	4017.2	4021.2	3973.6	4132.1	3333.5
65°	1845.1	1868.9	2045.3	2939.1	4054.9	4508.7	4506.7	4419.5	4314.5	4296.6	3270.0
67.5°	1438.8	1476.5	1688.5	2520.9	4094.5	4909.0	4901.1	4746.5	4506.7	4203.5	2976.7
70°	1014.7	1046.4	1246.6	2128.5	3850.7	4956.6	5035.9	4811.9	4290.7	3910.2	2548.7
72.5°	806.6	838.3	975.1	1712.3	3638.7	4536.4	4582.0	4310.5	3763.5	3385.0	1954.1
75°	479.6	519.2	667.9	1224.8	3291.8	3832.9	3735.8	3628.8	3026.3	2812.2	1428.9
77.5°	208.1	231.9	340.9	654.0	2287.0	3196.7	3054.0	2713.1	2096.8	1896.6	796.7
80°	99.1	105.0	126.8	263.6	1090.0	2289.0	2253.4	1837.2	1155.4	893.8	291.3
82.5°	51.5	53.5	75.3	109.0	352.8	1208.9	1335.8	1044.4	465.7	257.6	55.5
85°	19.8	23.8	31.7	51.5	65.4	273.5	319.1	350.8	142.7	49.5	23.8
87.5°	2.0	4.0	5.9	7.9	9.9	11.9	11.9	13.9	11.9	5.9	4.0
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°	517.3	517.3	517.3	517.3	517.3	517.3	517.3	517.3	517.3	517.3	517.3
2.5°	519.2	511.3	491.5	477.6	459.8	442.0	432.0	418.2	412.2	414.2	412.2
5°	517.3	501.4	461.8	420.2	390.4	358.7	342.9	323.0	317.1	311.1	317.1
7.5°	517.3	489.5	428.1	368.6	325.0	295.3	275.5	265.6	261.6	261.6	261.6
10°	517.3	477.6	396.4	323.0	275.5	251.7	247.7	249.7	251.7	253.7	253.7
12.5°	521.2	471.7	362.7	285.4	241.8	235.8	239.8	243.8	247.7	247.7	249.7
15°	529.2	467.7	336.9	251.7	229.9	229.9	231.9	235.8	239.8	241.8	241.8
17.5°	541.0	463.8	309.2	231.9	222.0	222.0	223.9	225.9	231.9	233.9	233.9
20°	552.9	459.8	285.4	220.0	216.0	216.0	216.0	218.0	222.0	223.9	223.9
22.5°	568.8	457.8	259.6	212.1	208.1	208.1	208.1	208.1	210.1	212.1	212.1
25°	584.6	455.8	235.8	204.1	202.1	200.2	198.2	198.2	198.2	200.2	200.2
27.5°	604.5	453.8	214.0	194.2	192.2	190.3	190.3	186.3	188.3	190.3	188.3
30°	632.2	453.8	198.2	184.3	180.3	180.3	178.4	174.4	176.4	176.4	176.4
32.5°	677.8	469.7	190.3	174.4	168.5	168.5	164.5	162.5	162.5	162.5	162.5
35°	747.2	507.4	192.2	170.4	160.5	154.6	150.6	148.6	146.7	144.7	144.7
37.5°	860.1	556.9	206.1	172.4	152.6	144.7	138.7	132.8	128.8	124.9	122.9
40°	1066.2	679.8	225.9	180.3	146.7	132.8	124.9	114.9	107.0	103.1	99.1
42.5°	1302.1	838.3	253.7	186.3	142.7	120.9	109.0	97.1	89.2	83.2	81.3
45°	1504.2	992.9	319.1	188.3	134.8	111.0	95.1	81.3	75.3	69.4	67.4
47.5°	1656.8	1109.8	386.5	184.3	128.8	101.1	81.3	69.4	63.4	57.5	55.5
50°	1799.5	1203.0	436.0	174.4	122.9	91.2	69.4	59.5	53.5	49.5	47.6
52.5°	1910.5	1274.3	469.7	162.5	114.9	81.3	61.4	51.5	45.6	43.6	43.6
55°	2015.5	1345.7	493.5	154.6	105.0	69.4	53.5	47.6	41.6	39.6	39.6
57.5°	2112.6	1426.9	531.1	146.7	89.2	61.4	47.6	43.6	39.6	35.7	33.7
60°	2289.0	1593.4	558.9	118.9	73.3	53.5	43.6	39.6	35.7	31.7	31.7
62.5°	2429.7	1690.5	477.6	77.3	61.4	47.6	41.6	35.7	31.7	27.7	27.7
65°	2370.3	1619.2	329.0	61.4	51.5	43.6	35.7	31.7	25.8	21.8	21.8
67.5°	2140.4	1432.9	198.2	51.5	43.6	37.7	31.7	25.8	19.8	15.9	15.9
70°	1803.5	1159.4	103.1	43.6	35.7	29.7	23.8	19.8	13.9	11.9	9.9
72.5°	1395.2	780.8	51.5	37.7	31.7	25.8	19.8	15.9	9.9	7.9	5.9
75°	963.2	487.5	39.6	31.7	25.8	19.8	15.9	11.9	5.9	4.0	4.0
77.5°	507.4	239.8	31.7	27.7	21.8	17.8	11.9	7.9	4.0	2.0	2.0
80°	190.3	71.3	25.8	21.8	17.8	13.9	7.9	4.0	2.0	0.0	0.0
82.5°	35.7	21.8	15.9	15.9	11.9	7.9	4.0	2.0	0.0	0.0	0.0
85°	17.8	11.9	5.9	5.9	4.0	2.0	2.0	0.0	0.0	0.0	0.0
87.5°	4.0	4.0	2.0	2.0	2.0	2.0	2.0	0.0	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)