

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: P1502913

Luminaire Tested: PRV-P-50-8540-U-T2RE

Issue Date: 07/22/2026

Test Information

Test Method: LM-79-2024
Report Number: P1502913
Test Lab: INNOVATION CENTER(G3)
Issue Date: 7/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-50-8540-U-T2RE
Description: PREVAIL PETITE DISCRETE LED 1 SQUARE 50W 85CRI 4000k FIXTURE w/ TYPE II
ROADWAY ILLUMINANCE DISTRIBUTION OPTIC
Light Source: (10) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5845.4 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

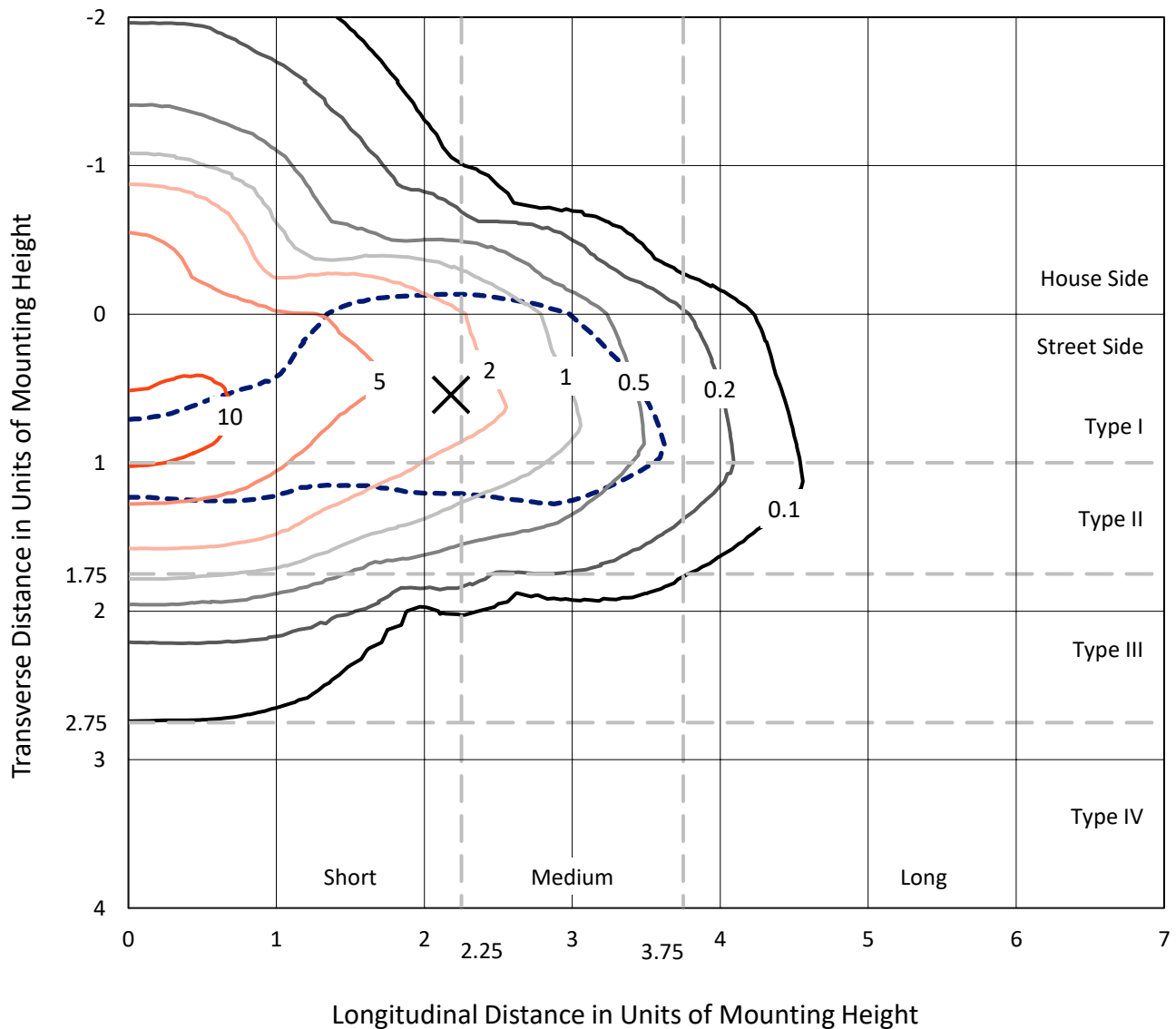
Input Watts (W): 52.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 6.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

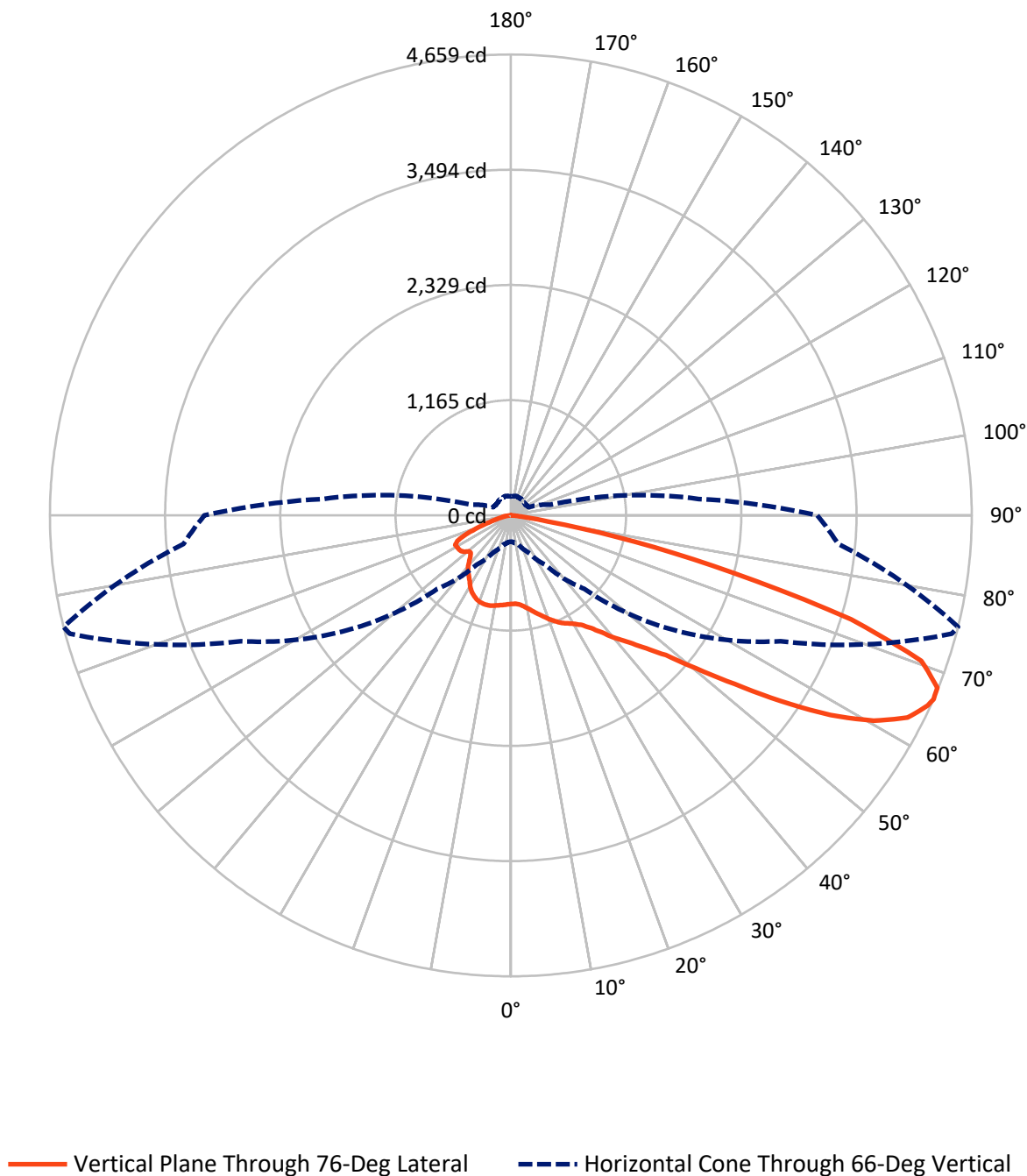


Based on 10 foot mounting height. Maximum calculated value = 12.6 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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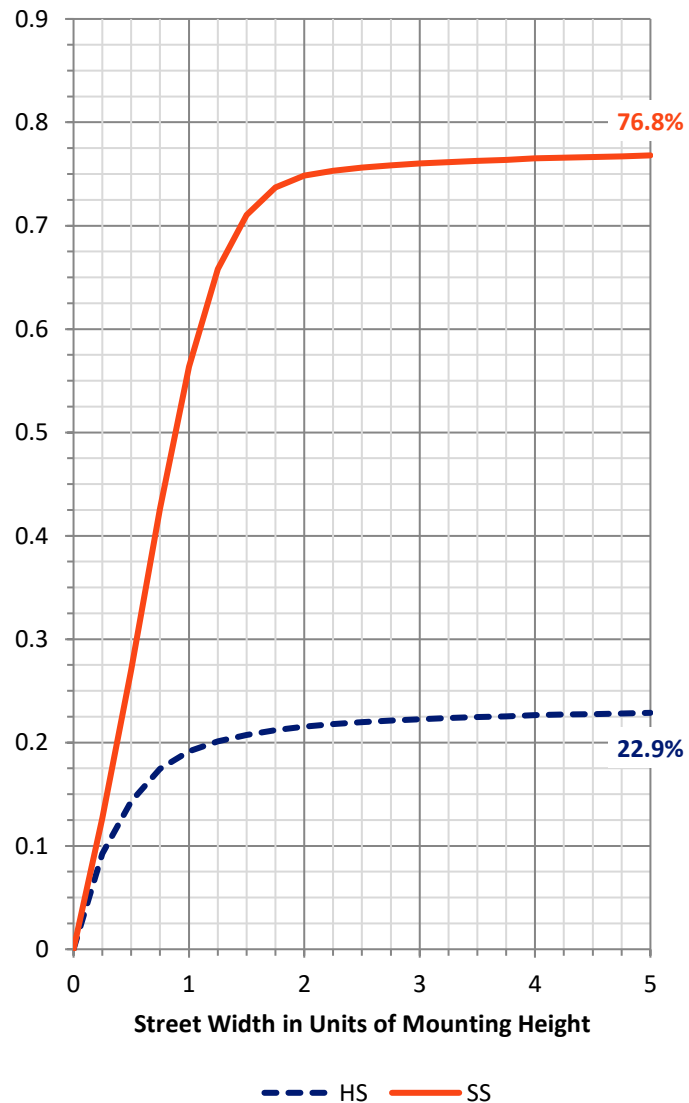
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1345.8	0.0	1345.8
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	4499.6	0.0	4499.6
	% Fixture	77.0	0.0	77.0
Total	Lumens	5845.4	0.0	5845.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.1	1.4
10°-20°	247.1	4.2
20°-30°	470.1	8.0
30°-40°	818.5	14.0
40°-50°	1186.5	20.3
50°-60°	1362.2	23.3
60°-70°	1137.9	19.5
70°-80°	492.0	8.4
80°-90°	47.0	0.8
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°	5845.4	100.0
0°-180°	5845.4	100.0

Coefficient of Utilization



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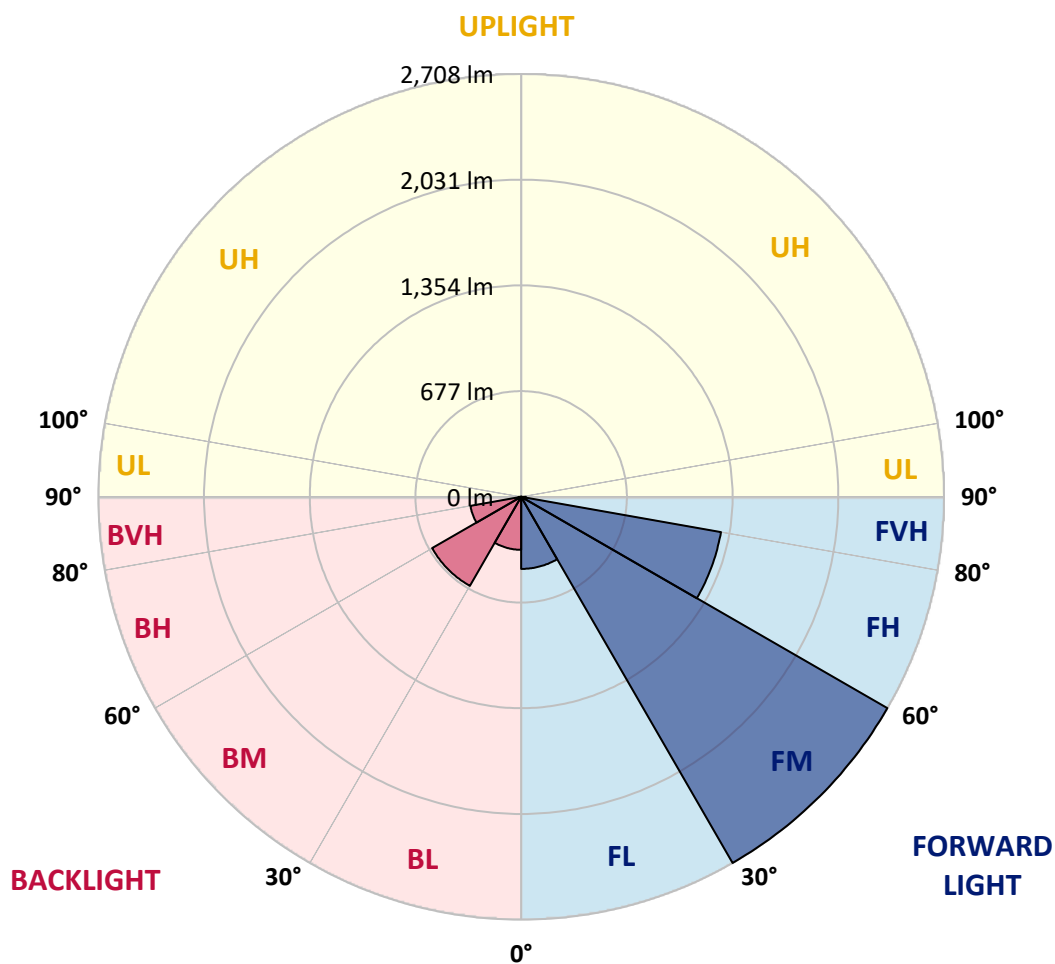
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	461.7	7.9			
FM	(30°-60°)	2708.3	46.3			
FH	(60°-80°)	1299.5	22.2			G1/1800
FVH	(80°-90°)	30.0	0.5			G1/100
BL	(0°-30°)	339.6	5.8	B1/500		
BM	(30°-60°)	658.9	11.3	B1/1000		
BH	(60°-80°)	330.3	5.7	B1/500		G1/500
BVH	(80°-90°)	17.0	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-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8
2.5°	901.1	903.6	907.3	907.3	907.3	901.1	899.8	896.1	896.1	893.6	897.3
5°	902.3	904.8	913.5	923.5	929.7	927.2	923.5	912.3	904.8	903.6	904.8
7.5°	822.5	825.0	840.0	861.2	887.4	912.3	939.7	940.9	924.7	927.2	919.8
10°	773.9	772.7	780.2	793.9	828.8	873.6	921.0	959.6	958.4	957.1	947.2
12.5°	798.9	798.9	800.1	805.1	813.8	836.3	902.3	965.9	992.0	993.3	979.6
15°	857.4	856.2	855.0	857.4	852.5	851.2	887.4	967.1	1033.2	1033.2	1024.4
17.5°	917.3	917.3	922.3	927.2	926.0	906.0	907.3	978.3	1073.1	1074.3	1070.6
20°	1005.8	1002.0	1007.0	1013.2	1010.7	990.8	960.9	997.0	1115.4	1121.7	1124.1
22.5°	1110.4	1104.2	1110.4	1114.2	1112.9	1080.5	1044.4	1031.9	1152.8	1162.8	1184.0
25°	1242.5	1235.1	1248.8	1253.8	1243.8	1206.4	1145.3	1085.5	1190.2	1205.2	1237.6
27.5°	1433.2	1425.8	1435.7	1444.4	1422.0	1357.2	1267.5	1155.3	1222.6	1236.3	1284.9
30°	1708.7	1724.9	1687.5	1668.8	1630.1	1535.4	1414.5	1246.3	1257.5	1271.2	1327.3
32.5°	2029.0	2030.2	2001.5	1908.1	1849.5	1739.8	1586.5	1373.4	1311.1	1321.1	1367.2
35°	2298.1	2291.9	2264.5	2207.2	2087.5	1957.9	1773.5	1516.7	1384.6	1398.3	1417.0
37.5°	2503.8	2500.0	2500.0	2447.7	2343.0	2181.0	1971.6	1686.2	1494.3	1503.0	1486.8
40°	2672.0	2667.1	2682.0	2668.3	2588.5	2402.8	2156.1	1833.3	1622.7	1632.6	1559.1
42.5°	2817.9	2809.1	2826.6	2834.1	2787.9	2623.4	2348.0	1991.6	1752.3	1753.5	1643.9
45°	2961.2	2959.9	2979.9	2991.1	2956.2	2790.4	2515.0	2174.8	1906.8	1916.8	1756.0
47.5°	2846.5	2856.5	2942.5	3048.4	3093.3	2948.7	2678.3	2351.7	2111.2	2107.5	1894.4
50°	2482.6	2523.7	2690.7	2907.6	3093.3	3067.1	2827.8	2552.4	2394.1	2431.5	2137.4
52.5°	2002.8	1990.3	2235.8	2577.3	2922.5	3047.2	2966.2	2778.0	2801.6	2830.3	2399.1
55°	1564.1	1591.5	1779.7	2159.8	2546.2	2857.7	3026.0	3032.2	3274.0	3308.9	2650.8
57.5°	1328.5	1353.5	1499.3	1844.5	2158.6	2502.5	2953.7	3300.2	3755.1	3808.6	2892.6
60°	959.6	972.1	1137.9	1473.1	1896.8	2062.6	2734.3	3455.9	4201.2	4213.7	3109.5
62.5°	548.4	565.8	663.0	972.1	1458.2	1780.9	2414.1	3434.8	4487.9	4501.6	3306.4
65°	299.1	311.6	371.4	528.4	836.3	1380.9	2111.2	3169.3	4602.5	4631.2	3361.2
66°	265.5	270.4	309.1	408.8	610.7	1049.4	2025.2	3008.5	4616.2	4658.6	3321.3
67.5°	255.5	255.5	276.7	330.3	405.0	697.9	1805.9	2801.6	4590.1	4649.9	3221.6
70°	248.0	249.3	266.7	280.4	263.0	240.5	1117.9	2526.2	4279.7	4401.9	2977.4
72.5°	226.8	226.8	250.5	264.2	214.4	150.8	436.2	2133.6	3507.0	3596.8	2485.1
75°	188.2	190.7	214.4	235.5	198.2	123.4	130.9	1220.1	2285.7	2311.9	1676.3
77.5°	145.8	149.6	177.0	185.7	179.5	113.4	105.9	473.6	1251.3	1281.2	783.9
80°	104.7	108.4	134.6	147.1	143.3	109.7	91.0	148.3	400.1	377.6	240.5
82.5°	66.1	66.1	82.3	105.9	98.5	94.7	74.8	89.7	117.2	115.9	83.5
85°	23.7	26.2	37.4	47.4	44.9	49.9	43.6	49.9	54.8	52.3	32.4
87.5°	1.2	1.2	1.2	2.5	2.5	5.0	5.0	6.2	5.0	6.2	6.2
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°	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8
2.5°	897.3	897.3	899.8	902.3	904.8	899.8	898.6	898.6	893.6	894.8	897.3
5°	904.8	904.8	907.3	904.8	896.1	882.4	873.6	868.7	857.4	858.7	858.7
7.5°	918.5	918.5	913.5	896.1	876.1	851.2	835.0	826.3	811.3	813.8	813.8
10°	943.4	939.7	921.0	883.6	846.2	813.8	796.4	783.9	775.2	771.5	772.7
12.5°	979.6	973.3	928.5	863.7	810.1	778.9	765.2	756.5	751.5	749.0	750.3
15°	1022.0	1010.7	928.5	836.3	776.4	747.8	737.8	741.5	747.8	750.3	752.8
17.5°	1069.3	1050.6	922.3	807.6	742.8	722.8	731.6	745.3	757.7	762.7	764.0
20°	1120.4	1086.8	913.5	773.9	716.6	717.9	737.8	754.0	764.0	767.7	769.0
22.5°	1171.5	1115.4	894.8	735.3	705.4	720.4	740.3	754.0	760.2	762.7	764.0
25°	1213.9	1131.6	867.4	709.1	700.4	720.4	736.6	746.5	752.8	756.5	757.7
27.5°	1251.3	1135.4	840.0	689.2	696.7	716.6	729.1	739.0	746.5	749.0	750.3
30°	1274.9	1125.4	800.1	673.0	690.4	707.9	720.4	729.1	735.3	739.0	740.3
32.5°	1293.6	1116.7	746.5	654.3	678.0	697.9	709.1	714.1	716.6	719.1	719.1
35°	1312.3	1115.4	705.4	630.6	660.5	684.2	687.9	683.0	679.2	673.0	674.2
37.5°	1332.3	1122.9	673.0	602.0	631.9	655.5	650.6	634.4	619.4	599.5	594.5
40°	1358.5	1126.6	629.4	562.1	593.2	606.9	592.0	562.1	522.2	504.7	504.7
42.5°	1399.6	1149.1	572.0	516.0	534.7	547.1	532.2	481.1	446.2	431.2	432.5
45°	1486.8	1203.9	516.0	466.1	473.6	486.1	456.1	406.3	382.6	372.6	367.7
47.5°	1636.4	1294.9	471.1	416.3	408.8	420.0	383.9	349.0	324.0	301.6	300.4
50°	1908.1	1484.3	454.9	363.9	352.7	371.4	336.5	311.6	282.9	271.7	270.4
52.5°	2208.4	1719.9	472.3	320.3	315.3	331.5	314.1	282.9	263.0	260.5	260.5
55°	2483.8	1941.7	473.6	294.1	294.1	301.6	285.4	263.0	264.2	261.7	258.0
57.5°	2731.9	2058.9	467.4	280.4	274.2	276.7	268.0	253.0	275.4	245.5	238.0
60°	2973.6	2065.1	469.8	268.0	246.8	244.3	251.7	240.5	263.0	226.8	223.1
62.5°	3112.0	2012.8	483.6	244.3	216.9	210.6	220.6	216.9	234.3	215.6	214.4
65°	3123.2	1951.7	446.2	210.6	195.7	190.7	201.9	200.7	208.1	204.4	205.6
66°	3097.0	1905.6	413.8	198.2	184.5	185.7	195.7	195.7	203.1	193.2	191.9
67.5°	3001.1	1808.4	347.7	178.2	169.5	177.0	186.9	188.2	191.9	183.2	184.5
70°	2652.1	1425.8	239.3	157.0	155.8	164.5	169.5	174.5	178.2	185.7	188.2
72.5°	2037.7	878.6	164.5	142.1	143.3	152.0	153.3	162.0	185.7	194.4	186.9
75°	1256.3	446.2	127.1	120.9	128.4	135.8	138.3	145.8	188.2	183.2	160.8
77.5°	608.2	204.4	100.9	100.9	105.9	114.7	115.9	122.1	169.5	133.4	117.2
80°	188.2	107.2	79.8	79.8	82.3	83.5	89.7	97.2	112.2	71.0	72.3
82.5°	77.3	72.3	61.1	57.3	51.1	51.1	51.1	63.6	57.3	29.9	11.2
85°	34.9	29.9	28.7	23.7	22.4	19.9	19.9	31.2	22.4	7.5	0.0
87.5°	3.7	3.7	3.7	3.7	2.5	1.2	1.2	1.2	1.2	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)