

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: P1462258

Luminaire Tested: PRV-P-50-8540-U-T3R-HSS

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1462258
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-50-8540-U-T3R-HSS
Description: PREVAIL PETITE DISCRETE LED 1 SQUARE 50W 85CRI 4000k FIXTURE w/ TYPE III DISTRIBUTION OPTIC AND HOUSE SIDE SHIELD
Light Source: (10) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3896.8 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - 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

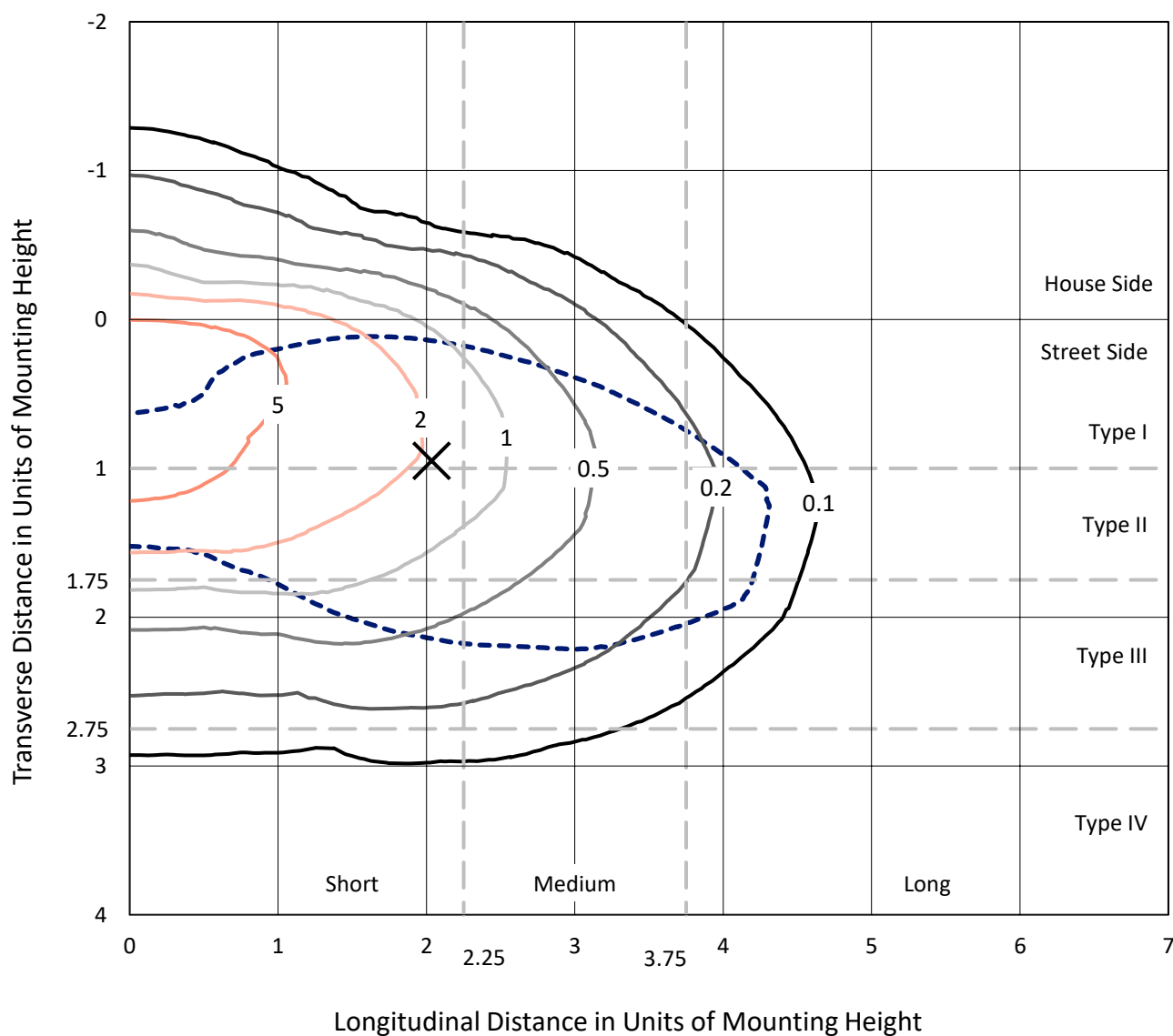
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



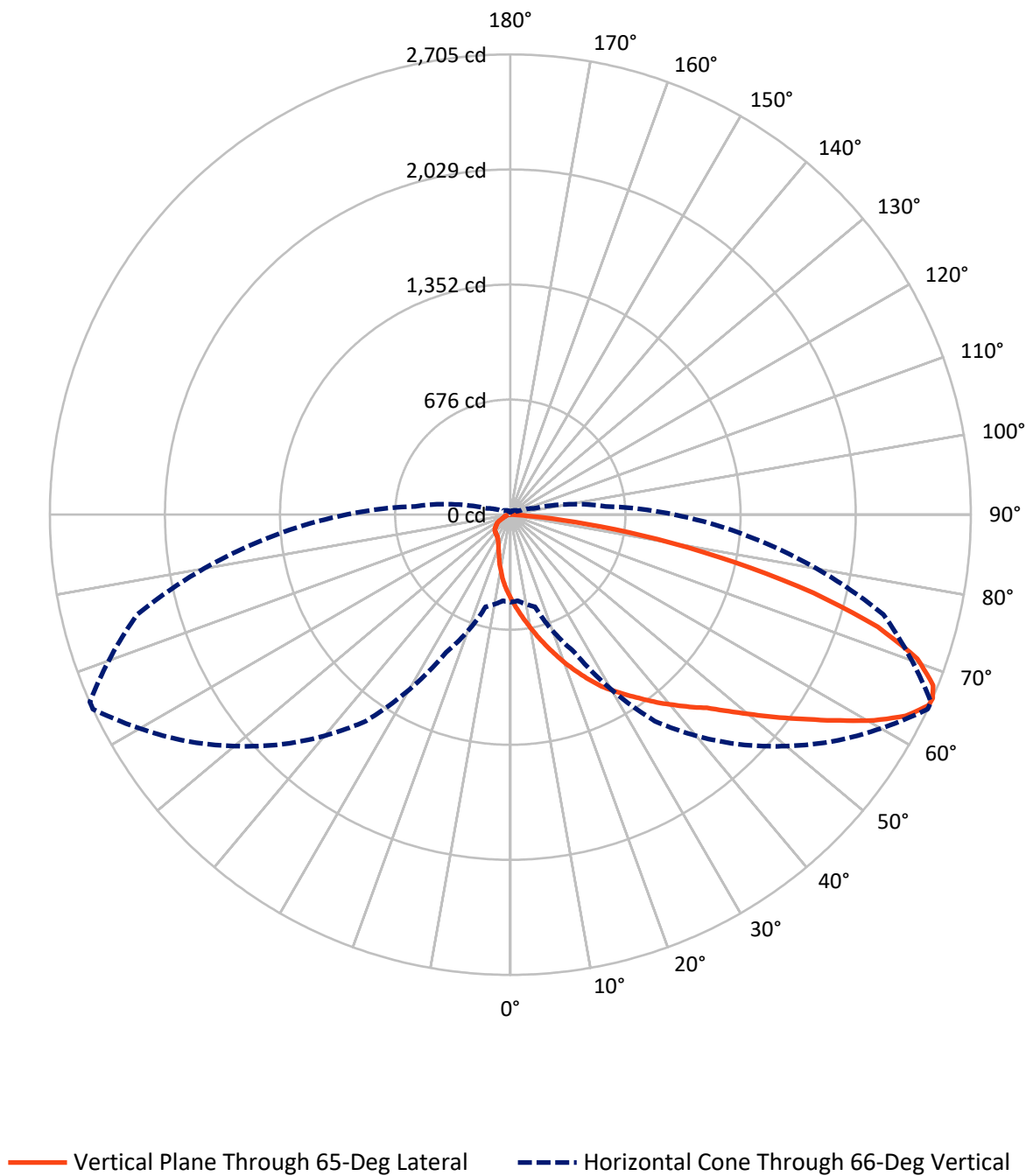
Based on 10 foot mounting height. Maximum calculated value = 9.3 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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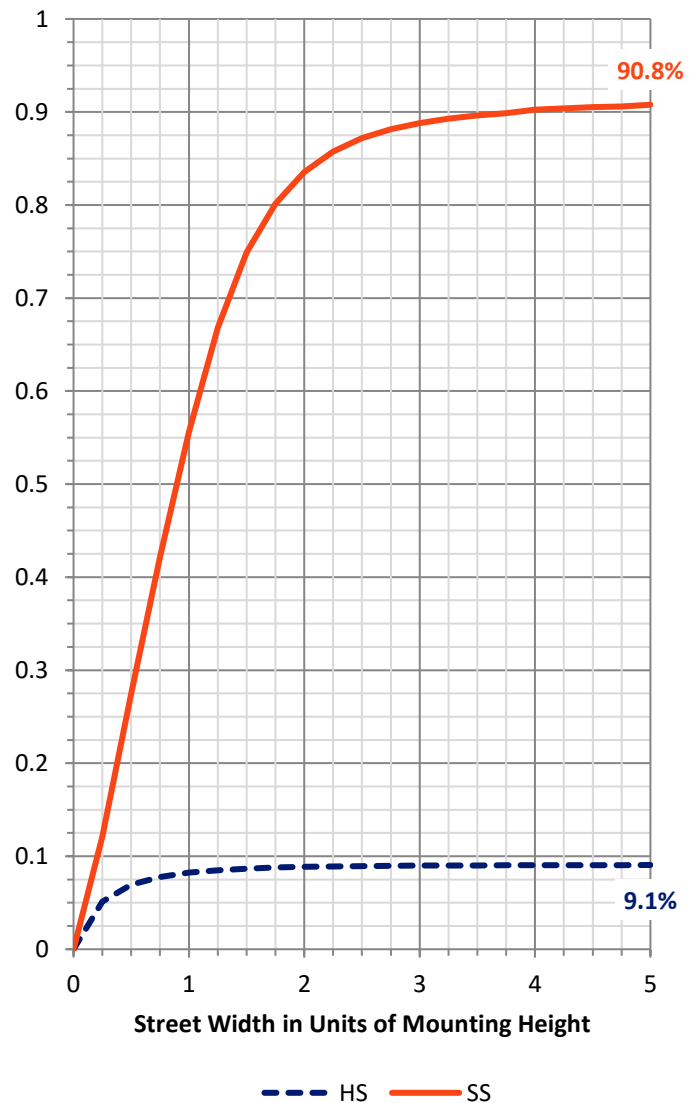
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	355.5	0.0	355.5
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	3541.3	0.0	3541.3
	% Fixture	90.9	0.0	90.9
Total	Lumens	3896.8	0.0	3896.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.5	1.2
10°-20°	159.8	4.1
20°-30°	291.9	7.5
30°-40°	456.1	11.7
40°-50°	686.0	17.6
50°-60°	870.0	22.3
60°-70°	835.0	21.4
70°-80°	482.4	12.4
80°-90°	67.2	1.7
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°	3896.8	100.0
0°-180°	3896.8	100.0

Coefficient of Utilization



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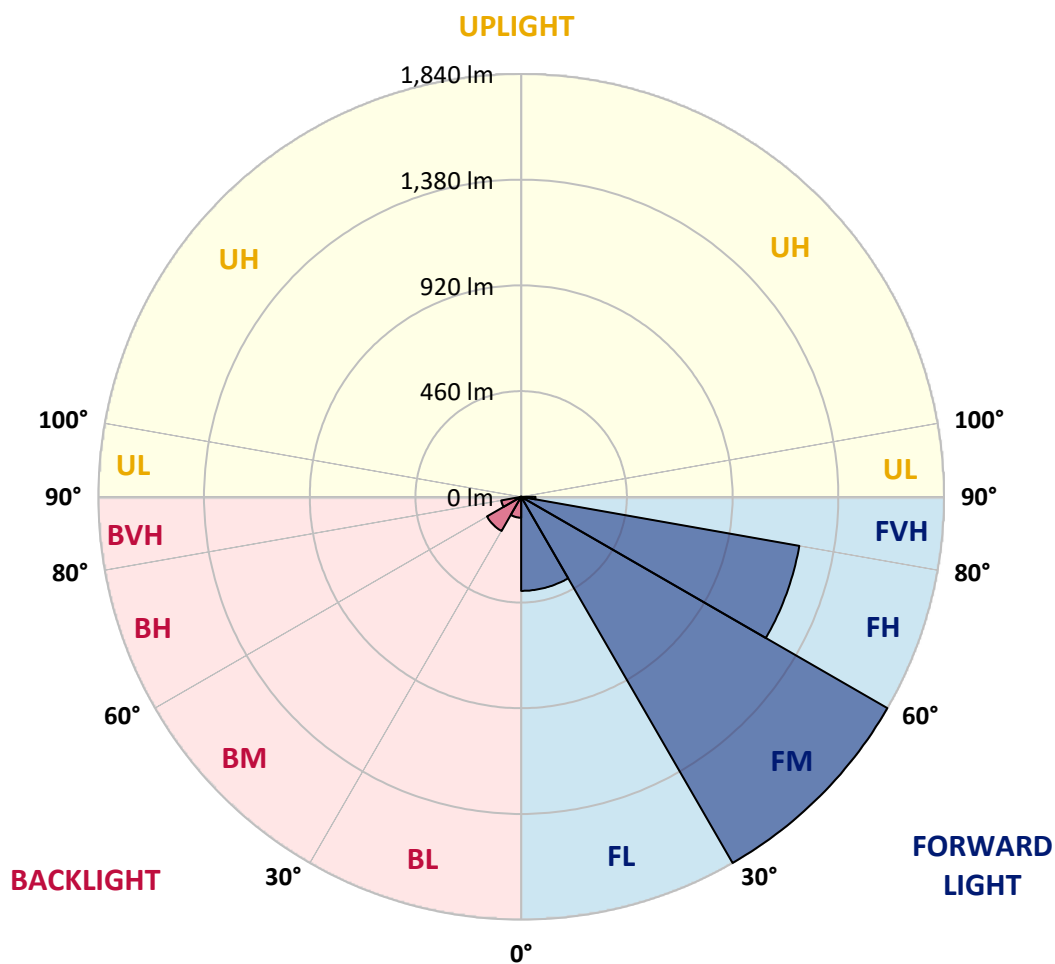
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	409.4	10.5			
FM	(30°-60°)	1840.2	47.2			
FH	(60°-80°)	1229.1	31.5			G1/1800
FVH	(80°-90°)	62.6	1.6			G1/100
BL	(0°-30°)	90.8	2.3	B0/110		
BM	(30°-60°)	171.9	4.4	B0/220		
BH	(60°-80°)	88.2	2.3	B0/110		G0/110
BVH	(80°-90°)	4.6	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1
2.5°	594.2	592.5	587.2	583.7	573.1	565.2	550.3	535.3	532.7	519.5	503.7
5°	694.4	690.9	695.3	677.7	661.9	640.8	610.0	581.9	574.9	546.8	515.1
7.5°	805.2	801.7	802.5	781.5	758.6	722.6	676.8	629.4	620.6	577.5	527.4
10°	898.4	901.9	895.7	879.9	851.8	806.9	751.6	683.9	676.8	615.3	544.1
12.5°	975.7	976.6	980.1	959.9	936.2	889.6	825.4	741.9	728.7	653.1	561.7
15°	1037.2	1033.7	1034.6	1024.9	1004.7	963.4	898.4	803.4	792.0	695.3	581.9
17.5°	1067.1	1067.1	1073.3	1069.8	1061.9	1033.7	970.4	866.7	856.2	734.0	602.1
20°	1091.7	1092.6	1098.8	1102.3	1104.9	1090.0	1041.6	935.3	919.5	785.8	628.5
22.5°	1120.8	1121.6	1126.9	1132.2	1141.9	1138.3	1105.8	1003.0	986.3	841.2	657.5
25°	1165.6	1165.6	1167.3	1165.6	1175.3	1184.0	1164.7	1073.3	1057.5	902.8	691.8
27.5°	1213.1	1221.8	1219.2	1213.9	1213.9	1221.8	1220.1	1143.6	1126.9	959.9	727.0
30°	1279.9	1279.9	1279.0	1266.7	1259.6	1258.8	1263.2	1202.5	1187.6	1018.8	761.2
32.5°	1347.5	1354.6	1351.1	1334.4	1310.6	1294.8	1307.1	1264.9	1250.0	1083.0	802.5
35°	1402.0	1400.3	1410.8	1392.4	1358.1	1338.8	1358.1	1329.1	1319.4	1158.6	854.4
37.5°	1497.9	1483.8	1488.2	1441.6	1390.6	1382.7	1408.2	1400.3	1387.1	1237.7	908.0
40°	1648.2	1649.1	1644.7	1533.0	1441.6	1426.7	1468.0	1468.9	1460.9	1320.3	966.9
42.5°	1841.6	1841.6	1800.2	1657.8	1534.8	1487.3	1534.8	1544.4	1537.4	1392.4	1013.5
45°	1924.2	1912.8	1893.4	1772.1	1689.5	1568.2	1607.7	1620.0	1617.4	1475.0	1071.5
47.5°	1997.1	1987.5	1946.2	1870.6	1829.3	1674.5	1688.6	1724.6	1718.5	1572.6	1145.4
50°	2017.4	1994.5	1987.5	1942.6	1921.5	1773.0	1785.3	1847.7	1842.4	1676.3	1215.7
52.5°	1868.8	1869.7	1927.7	1975.2	1940.9	1853.0	1882.0	1980.4	1969.9	1788.8	1286.0
55°	1533.0	1565.5	1712.3	1921.5	1941.8	1905.7	2000.7	2122.8	2119.3	1910.1	1346.7
57.5°	1255.2	1260.5	1391.5	1782.7	1901.3	1954.1	2130.8	2282.8	2277.6	2032.3	1405.6
60°	994.2	1000.3	1091.7	1555.0	1834.5	1994.5	2252.1	2455.1	2451.6	2150.1	1439.0
62.5°	754.2	763.9	847.4	1266.7	1729.0	2004.2	2340.0	2605.4	2594.0	2237.1	1449.5
65°	567.9	572.2	634.7	999.5	1567.3	1953.2	2342.6	2701.2	2702.1	2270.5	1417.0
66°	514.2	508.1	560.8	892.2	1481.2	1911.0	2321.5	2704.8	2703.9	2268.8	1387.1
67.5°	439.5	434.2	481.7	734.9	1340.5	1814.3	2244.2	2678.4	2681.9	2250.3	1336.1
70°	332.3	334.9	373.6	511.6	1075.0	1582.2	2044.6	2536.9	2547.4	2172.9	1227.1
72.5°	248.8	254.0	286.6	357.8	747.2	1271.9	1761.6	2256.5	2296.9	2015.6	1061.0
75°	181.1	186.4	211.8	254.0	481.7	879.0	1422.3	1839.8	1863.5	1700.0	858.8
77.5°	129.2	132.7	151.2	182.8	275.1	532.7	976.6	1344.9	1366.0	1329.1	659.3
80°	65.9	71.2	78.2	95.8	160.9	280.4	556.4	877.3	900.1	881.7	450.1
82.5°	38.7	41.3	47.5	54.5	73.0	126.6	298.9	450.1	480.8	516.9	262.8
85°	15.8	18.5	23.7	29.0	33.4	46.6	86.1	123.9	117.8	128.3	73.8
87.5°	0.9	0.9	1.8	3.5	6.2	7.0	8.8	7.9	7.0	5.3	3.5
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°	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1
2.5°	494.9	487.0	469.4	453.6	441.3	423.7	414.9	403.5	400.0	392.0	391.2
5°	497.5	480.8	446.5	414.9	383.3	358.6	340.2	321.7	307.7	303.3	304.1
7.5°	502.8	476.4	426.3	375.3	330.5	296.2	269.9	248.8	237.3	232.9	232.9
10°	508.1	472.0	402.6	334.0	279.5	241.7	214.5	197.8	189.9	186.4	186.4
12.5°	516.9	470.3	379.7	298.9	237.3	199.5	181.1	169.7	166.1	162.6	162.6
15°	524.8	468.5	356.0	261.1	202.2	174.0	159.1	152.1	148.6	147.7	146.8
17.5°	535.3	468.5	334.0	230.3	176.7	153.8	143.3	138.0	134.5	134.5	134.5
20°	548.5	469.4	312.9	207.4	160.9	139.8	130.1	125.7	123.1	122.2	122.2
22.5°	566.1	472.9	293.6	187.2	146.8	129.2	117.8	114.3	112.5	111.6	111.6
25°	587.2	479.1	276.0	172.3	136.2	117.8	107.2	103.7	101.1	100.2	100.2
27.5°	608.3	485.2	261.1	160.0	125.7	107.2	97.6	93.2	91.4	89.7	90.5
30°	630.3	490.5	248.8	152.1	115.2	97.6	88.8	83.5	80.9	80.9	80.9
32.5°	656.6	496.6	240.9	146.8	107.2	90.5	80.9	74.7	73.8	73.0	73.0
35°	690.9	515.1	238.2	143.3	101.1	83.5	73.8	67.7	66.8	66.8	66.8
37.5°	731.3	535.3	241.7	139.8	95.8	78.2	69.4	63.3	62.4	62.4	62.4
40°	768.3	549.4	246.1	136.2	91.4	73.0	65.0	59.8	58.9	58.9	58.9
42.5°	792.0	547.6	239.1	132.7	87.9	70.3	61.5	56.3	55.4	55.4	55.4
45°	827.2	555.5	232.9	130.1	85.3	66.8	58.9	53.6	51.9	52.7	52.7
47.5°	871.1	571.4	225.9	123.1	83.5	64.2	56.3	51.0	49.2	49.2	49.2
50°	915.1	584.6	220.6	114.3	81.7	60.7	52.7	47.5	45.7	45.7	45.7
52.5°	954.6	593.3	216.2	105.5	77.4	57.1	49.2	44.8	43.1	43.1	43.1
55°	984.5	598.6	209.2	98.5	71.2	53.6	45.7	42.2	39.6	37.8	37.8
57.5°	1013.5	603.0	202.2	91.4	64.2	49.2	43.1	38.7	34.3	33.4	33.4
60°	1025.8	604.8	191.6	80.0	56.3	44.8	39.6	34.3	29.9	28.1	28.1
62.5°	1017.9	593.3	176.7	65.0	50.1	41.3	35.2	29.9	24.6	22.9	23.7
65°	986.3	572.2	153.8	50.1	44.8	36.9	30.8	25.5	20.2	18.5	18.5
66°	962.5	560.8	141.5	46.6	43.1	35.2	29.0	23.7	18.5	15.8	14.9
67.5°	921.2	537.1	123.9	43.1	40.4	32.5	27.2	20.2	14.1	12.3	12.3
70°	835.1	487.9	94.1	37.8	36.0	29.0	22.0	15.8	10.5	8.8	8.8
72.5°	712.0	401.7	66.8	33.4	31.6	23.7	18.5	13.2	8.8	6.2	6.2
75°	558.2	289.2	51.0	29.9	26.4	20.2	14.9	10.5	6.2	4.4	4.4
77.5°	392.0	185.5	42.2	26.4	22.0	17.6	12.3	7.0	4.4	2.6	2.6
80°	237.3	103.7	32.5	22.0	19.3	13.2	7.9	4.4	2.6	0.9	0.9
82.5°	129.2	53.6	19.3	15.8	12.3	7.9	4.4	1.8	0.9	0.0	0.0
85°	32.5	16.7	7.0	4.4	3.5	1.8	0.9	0.9	0.0	0.0	0.0
87.5°	2.6	2.6	2.6	2.6	1.8	0.9	0.9	0.0	0.0	0.0	0.9
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)