

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: P1462206

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

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1462206
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
Description: PREVAIL PETITE DISCRETE LED 1 SQUARE 50W 85CRI 4000k FIXTURE w/ TYPE III DISTRIBUTION OPTIC
Light Source: (10) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5626.7 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

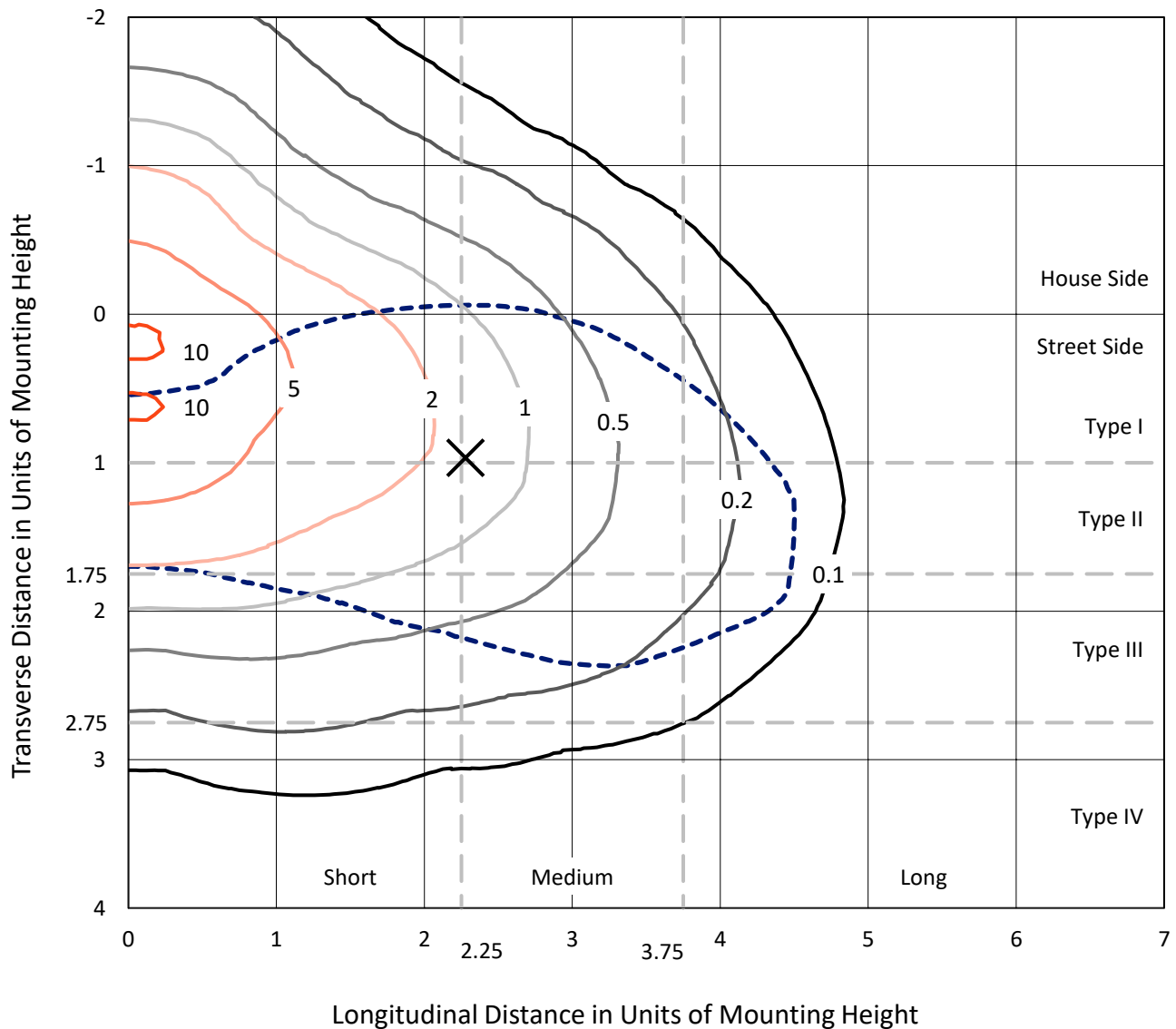
Input Watts (W): 52.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 6.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

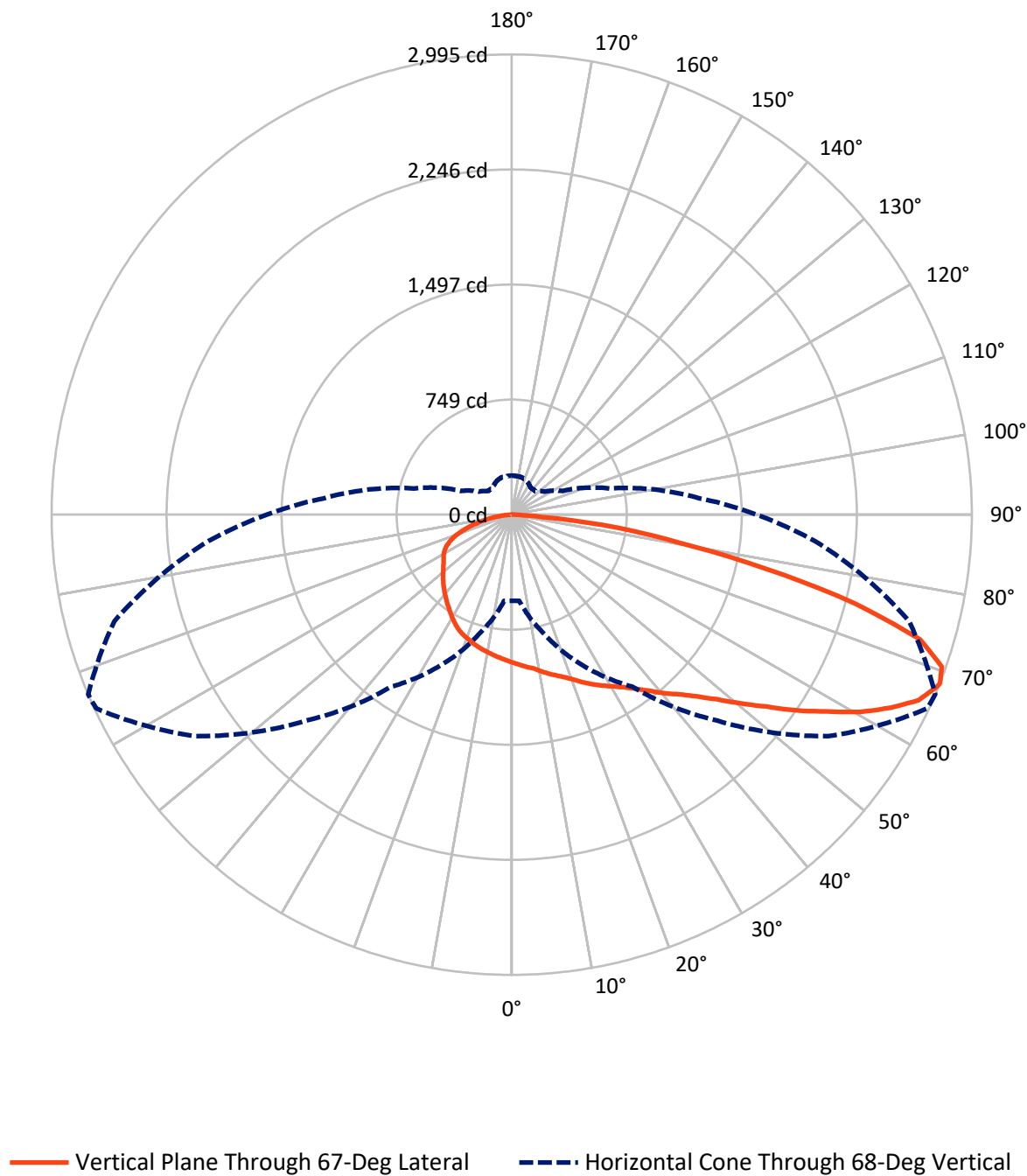


Based on 10 foot mounting height. Maximum calculated value = 10.3 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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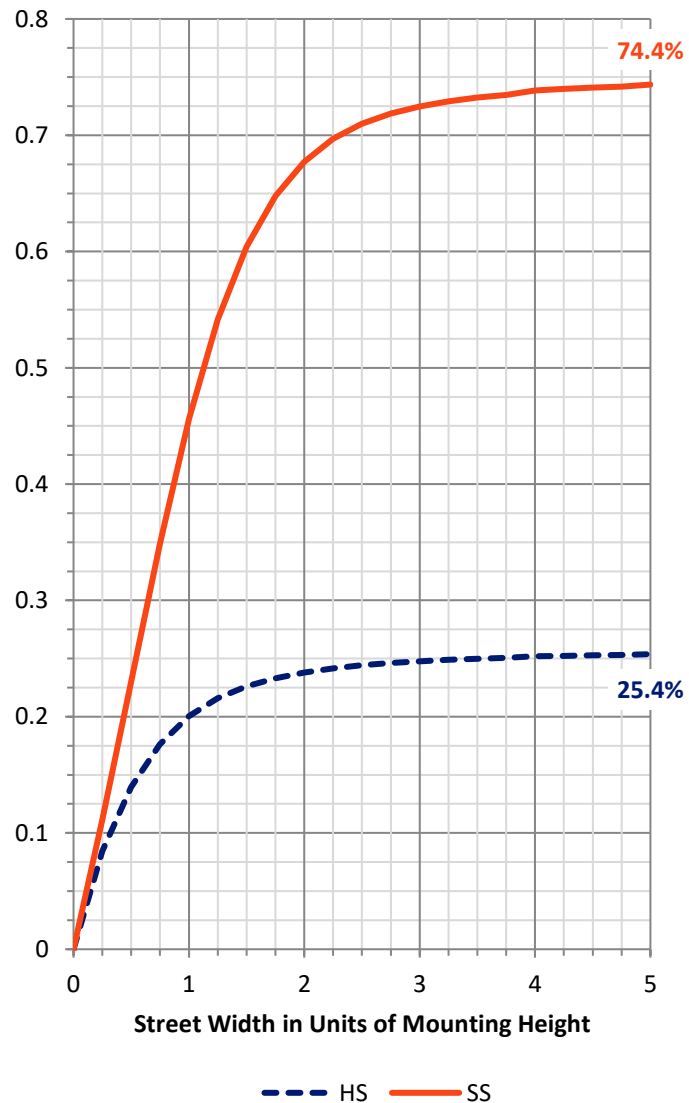
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1435.6	0.0	1435.6
	% Fixture	25.5	0.0	25.5
Street Side	Lumens	4191.1	0.0	4191.1
	% Fixture	74.5	0.0	74.5
Total	Lumens	5626.7	0.0	5626.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.1	1.6
10°-20°	276.0	4.9
20°-30°	468.7	8.3
30°-40°	710.2	12.6
40°-50°	959.8	17.1
50°-60°	1135.8	20.2
60°-70°	1144.8	20.3
70°-80°	723.2	12.9
80°-90°	116.0	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°	5626.7	100.0
0°-180°	5626.7	100.0

Coefficient of Utilization



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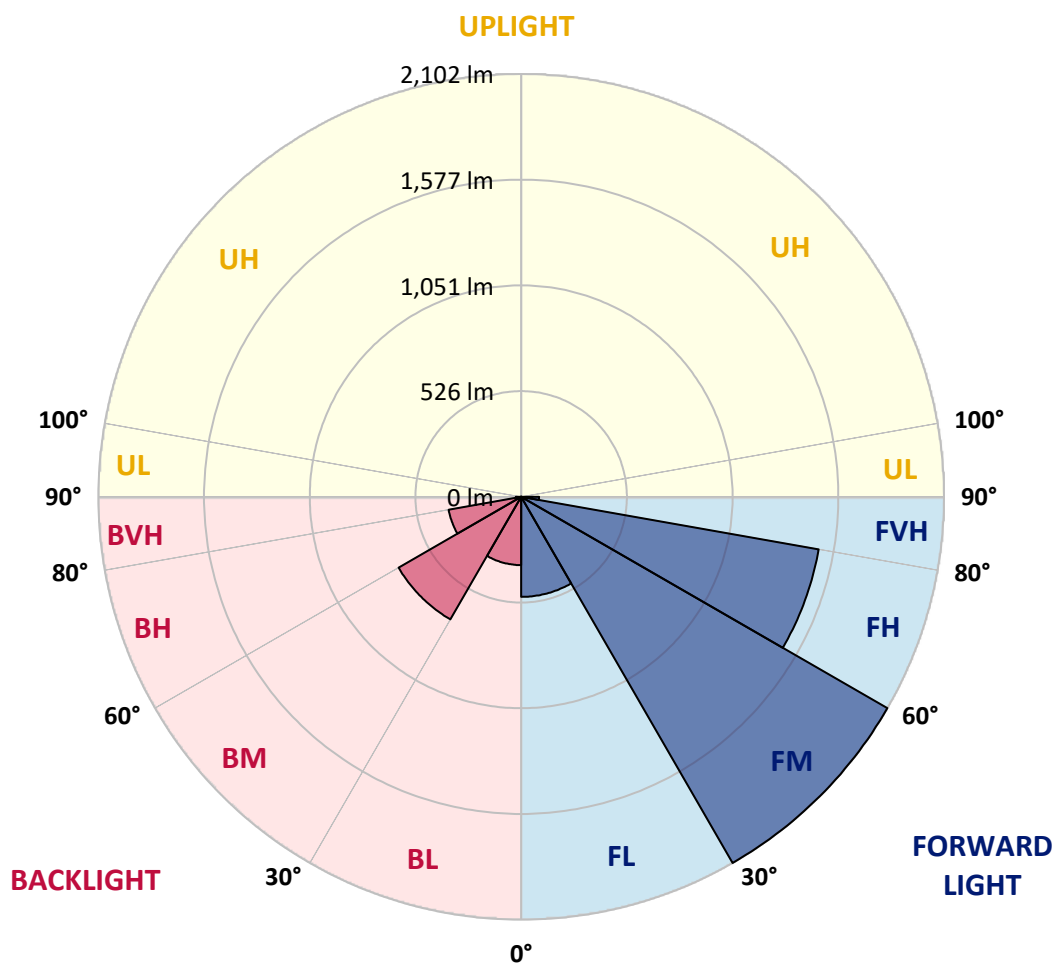
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	497.4	8.8			
FM	(30°-60°)	2102.4	37.4			
FH	(60°-80°)	1502.0	26.7			G1/1800
FVH	(80°-90°)	89.4	1.6			G1/100
BL	(0°-30°)	339.5	6.0	B1/500		
BM	(30°-60°)	703.5	12.5	B1/1000		
BH	(60°-80°)	366.0	6.5	B1/500		G1/500
BVH	(80°-90°)	26.7	0.5			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	963.4	963.4	963.4	963.4	963.4	963.4	963.4	963.4	963.4	963.4	963.4
2.5°	989.8	994.2	997.7	999.5	993.3	992.4	988.0	980.1	977.5	974.8	968.7
5°	1020.6	1026.7	1030.2	1027.6	1025.0	1018.8	1009.1	996.8	995.1	988.0	974.0
7.5°	1054.8	1056.6	1062.8	1061.0	1056.6	1044.3	1032.9	1012.6	1010.0	999.5	982.8
10°	1083.8	1089.1	1092.6	1090.9	1087.4	1076.8	1061.0	1042.5	1034.6	1017.0	995.9
12.5°	1109.3	1111.1	1117.3	1119.0	1115.5	1106.7	1091.8	1067.1	1061.9	1039.9	1004.7
15°	1130.4	1129.6	1140.1	1141.9	1143.6	1134.8	1122.5	1094.4	1085.6	1061.0	1019.7
17.5°	1148.0	1148.0	1155.9	1162.1	1166.5	1163.8	1154.2	1120.8	1112.0	1082.1	1032.0
20°	1166.5	1167.4	1176.1	1182.3	1191.1	1194.6	1184.9	1155.9	1144.5	1107.6	1048.7
22.5°	1207.8	1209.5	1212.2	1214.8	1221.9	1227.1	1224.5	1190.2	1184.9	1141.0	1067.1
25°	1303.6	1297.5	1293.9	1269.3	1261.4	1263.2	1264.0	1235.0	1222.7	1176.1	1088.2
27.5°	1430.2	1423.2	1412.6	1365.1	1329.1	1308.9	1303.6	1272.8	1259.7	1206.9	1113.7
30°	1576.1	1578.7	1562.0	1503.1	1415.2	1360.7	1341.4	1310.6	1296.6	1236.8	1131.3
32.5°	1724.7	1733.5	1716.8	1645.5	1531.3	1425.8	1390.6	1352.8	1338.8	1272.0	1153.3
35°	1860.9	1853.9	1847.7	1774.8	1635.0	1504.9	1447.8	1408.2	1391.5	1322.9	1194.6
37.5°	1945.3	1968.2	1962.0	1878.5	1719.4	1578.7	1519.0	1468.9	1453.9	1378.3	1236.8
40°	2104.4	2097.4	2094.7	1979.6	1784.4	1636.8	1584.9	1544.5	1527.8	1445.1	1283.4
42.5°	2231.9	2251.2	2207.3	2063.1	1861.8	1700.9	1653.5	1617.4	1598.1	1504.9	1316.8
45°	2262.6	2253.0	2238.9	2104.4	1969.9	1762.5	1727.3	1706.2	1686.0	1581.4	1372.2
47.5°	2270.5	2253.0	2219.6	2135.2	2050.8	1831.9	1807.3	1814.3	1795.0	1680.7	1448.6
50°	2221.3	2204.6	2200.2	2149.2	2097.4	1902.2	1898.7	1936.5	1929.5	1792.3	1524.2
52.5°	2104.4	2106.2	2129.9	2131.7	2074.5	1957.6	2005.1	2083.3	2074.5	1910.1	1604.2
55°	1893.4	1906.6	1998.0	2059.6	2045.5	1996.3	2128.1	2254.7	2248.6	2049.0	1688.6
57.5°	1697.4	1705.3	1779.2	1950.6	1991.9	2034.1	2246.8	2436.7	2415.6	2198.5	1776.5
60°	1441.6	1460.1	1570.8	1792.3	1916.3	2065.7	2369.9	2617.8	2606.3	2347.9	1861.8
62.5°	1184.9	1169.1	1330.0	1575.2	1804.7	2073.6	2472.7	2768.1	2766.3	2490.3	1933.0
65°	884.3	888.7	1108.5	1366.9	1641.2	2035.0	2536.9	2904.3	2910.5	2616.0	1986.6
67.5°	606.5	603.9	852.7	1126.0	1427.5	1932.1	2529.9	2977.3	2986.1	2679.3	1991.0
68°	559.9	562.6	797.3	1076.8	1366.0	1896.1	2513.2	2983.4	2994.9	2677.5	1982.2
70°	429.0	425.5	624.1	861.5	1141.9	1731.7	2420.0	2943.9	2970.3	2656.4	1915.4
72.5°	309.4	319.1	463.3	638.2	829.8	1387.1	2205.5	2739.9	2779.5	2478.0	1727.3
75°	238.2	242.6	320.8	448.3	567.0	996.8	1813.4	2258.2	2309.2	2084.2	1396.8
77.5°	180.2	182.0	207.5	304.1	377.1	615.3	1234.2	1642.0	1686.9	1564.7	1067.1
80°	106.4	105.5	115.2	179.3	234.7	352.5	698.8	1059.2	1095.3	1092.6	770.0
82.5°	64.2	65.9	65.9	92.3	120.4	187.2	358.6	630.3	696.2	714.7	525.7
85°	22.9	23.7	25.5	33.4	43.1	67.7	111.6	176.7	197.8	218.0	136.3
87.5°	0.9	0.9	0.9	1.8	2.6	6.2	11.4	7.9	7.9	8.8	5.3
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°	963.4	963.4	963.4	963.4	963.4	963.4	963.4	963.4	963.4	963.4	963.4
2.5°	966.1	961.7	952.9	947.6	945.0	939.7	932.7	930.0	925.6	922.1	921.2
5°	967.8	959.0	946.7	932.7	924.7	912.4	906.3	901.0	890.5	886.9	883.4
7.5°	974.0	962.5	941.4	918.6	902.8	888.7	876.4	862.3	854.4	851.8	849.1
10°	980.1	966.1	931.8	905.4	882.5	863.2	849.1	832.4	828.0	820.1	818.4
12.5°	988.0	968.7	927.4	892.2	862.3	838.6	820.1	805.2	794.6	791.1	794.6
15°	995.9	969.6	920.3	877.3	842.1	814.9	794.6	780.6	770.9	763.9	762.1
17.5°	1002.1	974.0	912.4	862.3	820.1	790.3	765.6	754.2	745.4	741.0	742.8
20°	1010.9	977.5	903.6	843.9	798.2	765.6	743.7	730.5	722.6	722.6	718.2
22.5°	1026.7	982.8	898.4	828.9	778.8	743.7	721.7	710.3	701.5	706.7	707.6
25°	1040.8	988.0	888.7	809.6	755.1	719.0	700.6	690.9	690.0	693.6	697.1
27.5°	1053.1	990.7	877.3	785.0	723.4	691.8	678.6	676.0	678.6	681.3	687.4
30°	1063.6	995.1	861.5	758.6	690.9	661.0	655.8	662.8	667.2	671.6	676.0
32.5°	1081.2	1000.3	845.6	728.7	658.4	631.1	638.2	652.2	659.3	662.8	669.8
35°	1109.3	1017.9	836.0	699.7	622.4	603.0	622.4	642.6	646.1	647.8	653.1
37.5°	1142.7	1040.8	830.7	672.5	587.2	579.3	605.7	629.4	628.5	626.8	633.8
40°	1176.1	1058.4	822.8	644.3	556.4	552.0	583.7	605.7	602.1	595.1	598.6
42.5°	1196.4	1061.9	805.2	618.8	528.3	526.5	553.8	572.3	566.1	567.0	572.3
45°	1234.2	1075.9	786.7	596.0	502.8	495.8	515.1	532.7	544.1	555.5	562.6
47.5°	1282.5	1097.0	770.9	569.6	480.8	461.5	472.9	503.7	520.4	530.9	531.8
50°	1336.1	1123.4	756.0	544.1	458.0	424.6	431.6	465.0	477.3	484.3	487.0
52.5°	1391.5	1148.0	743.7	519.5	434.2	385.0	397.3	430.7	441.3	443.9	443.9
55°	1440.7	1170.0	730.5	498.4	405.2	349.9	363.0	397.3	407.0	411.4	415.8
57.5°	1499.6	1193.7	725.2	479.1	374.5	323.5	328.8	365.7	376.2	378.9	381.5
60°	1547.1	1219.2	720.8	461.5	343.7	293.6	301.5	332.3	347.2	348.1	349.9
62.5°	1587.5	1237.7	717.3	437.8	317.3	268.1	270.7	303.3	317.3	320.8	324.4
65°	1607.8	1242.1	703.2	409.6	290.1	244.4	244.4	274.3	291.8	298.0	301.5
67.5°	1597.2	1230.6	669.8	372.7	264.6	222.4	218.9	246.1	259.3	264.6	265.5
68°	1592.8	1225.4	658.4	364.8	261.1	217.1	214.5	238.2	251.4	253.2	254.0
70°	1532.2	1182.3	607.4	335.8	240.9	200.4	195.1	215.4	228.5	216.2	216.2
72.5°	1366.0	1039.9	513.4	291.8	213.6	177.6	167.0	185.5	185.5	183.7	181.1
75°	1122.5	820.1	406.1	240.0	184.6	152.1	144.2	148.6	146.8	153.0	149.4
77.5°	848.3	602.1	309.4	186.4	146.8	123.1	113.4	109.0	108.1	105.5	100.2
80°	588.1	414.0	218.9	141.5	106.4	86.1	84.4	76.5	73.8	50.1	34.3
82.5°	394.7	275.1	149.4	94.1	67.7	53.6	45.7	46.6	40.4	14.9	0.9
85°	106.4	82.6	60.7	36.0	27.3	20.2	15.8	17.6	15.8	6.2	0.9
87.5°	4.4	3.5	4.4	4.4	2.6	1.8	0.9	0.9	0.9	0.9	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)