

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: P1462466

Luminaire Tested: PRV-P-50-8540-U-T2R

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1462466
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-50-8540-U-T2R
Description: PREVAIL PETITE DISCRETE LED 1 SQUARE 50W 85CRI 4000k FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (10) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5717.3 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - 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

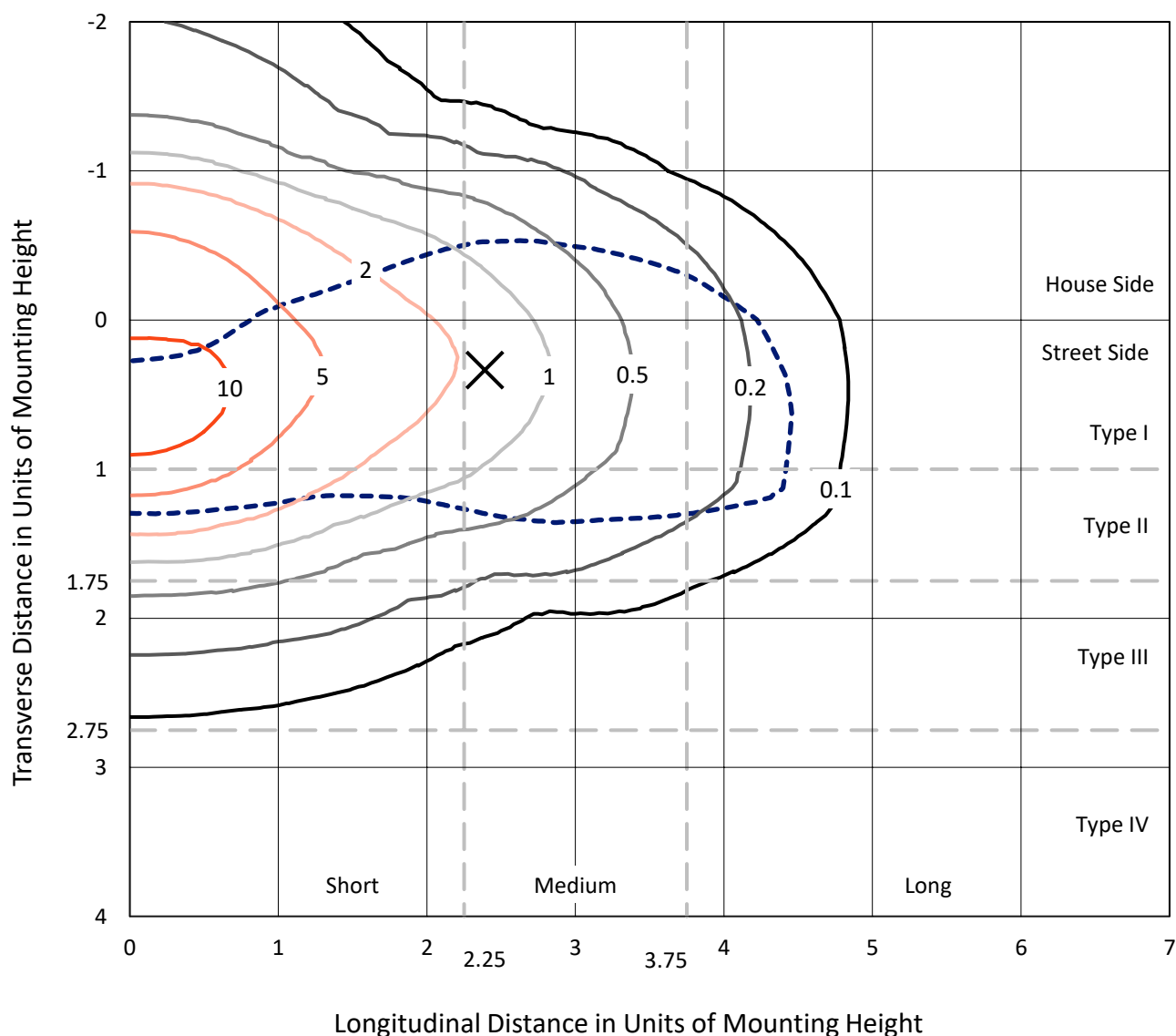
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

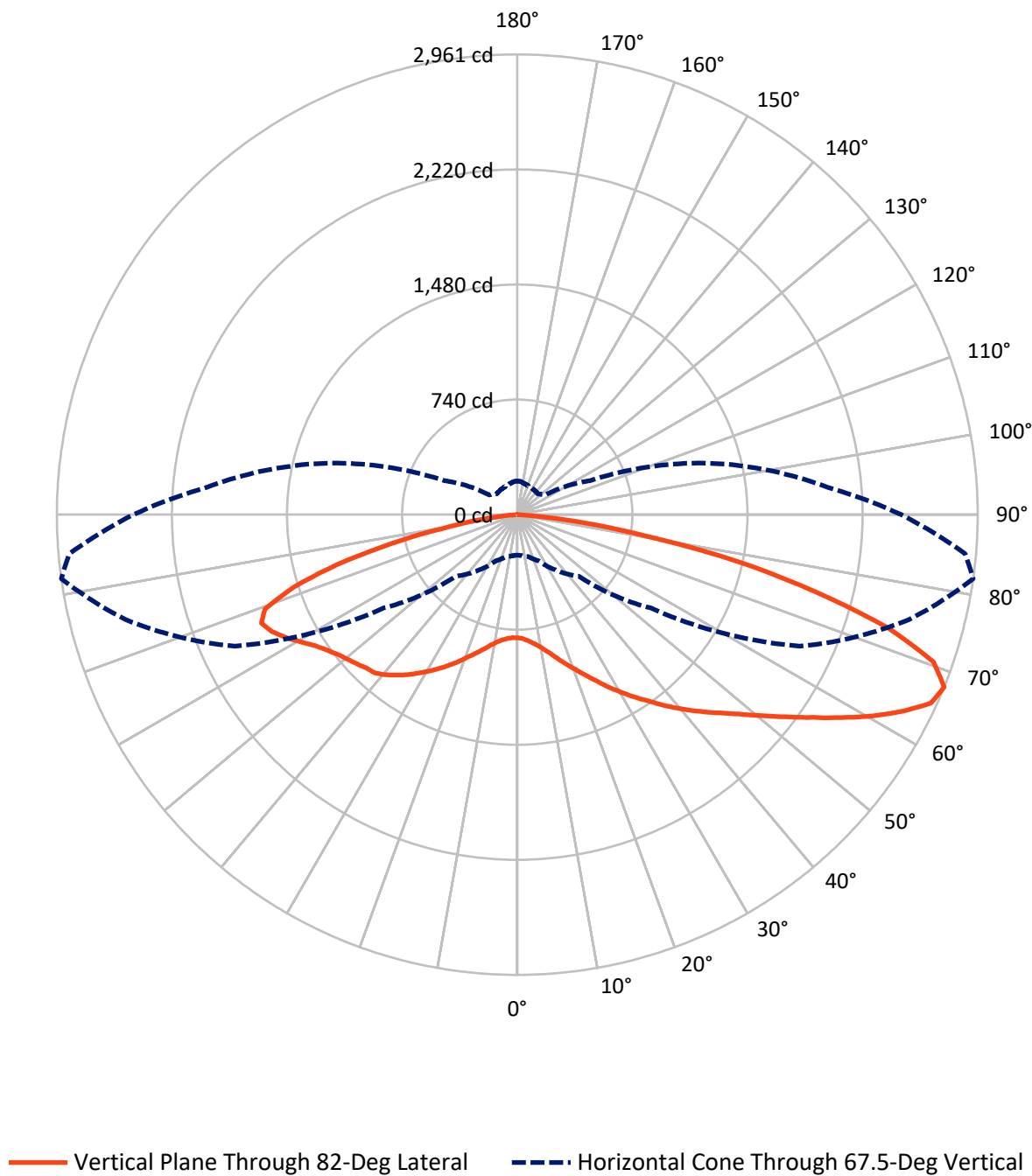


Based on 10 foot mounting height. Maximum calculated value = 15.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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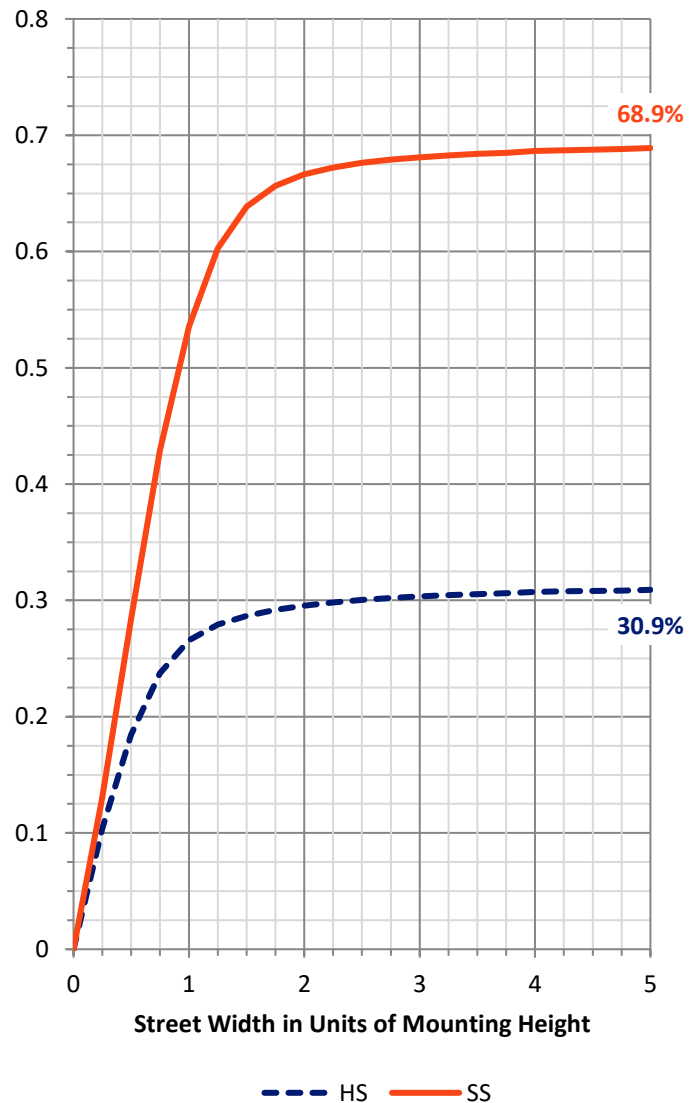
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1775.6	0.0	1775.6
	% Fixture	31.1	0.0	31.1
Street Side	Lumens	3941.7	0.0	3941.7
	% Fixture	68.9	0.0	68.9
Total	Lumens	5717.3	0.0	5717.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.4	1.4
10°-20°	300.7	5.3
20°-30°	609.2	10.7
30°-40°	953.6	16.7
40°-50°	1152.0	20.1
50°-60°	1085.2	19.0
60°-70°	910.3	15.9
70°-80°	547.6	9.6
80°-90°	76.3	1.3
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°	5717.3	100.0
0°-180°	5717.3	100.0

Coefficient of Utilization



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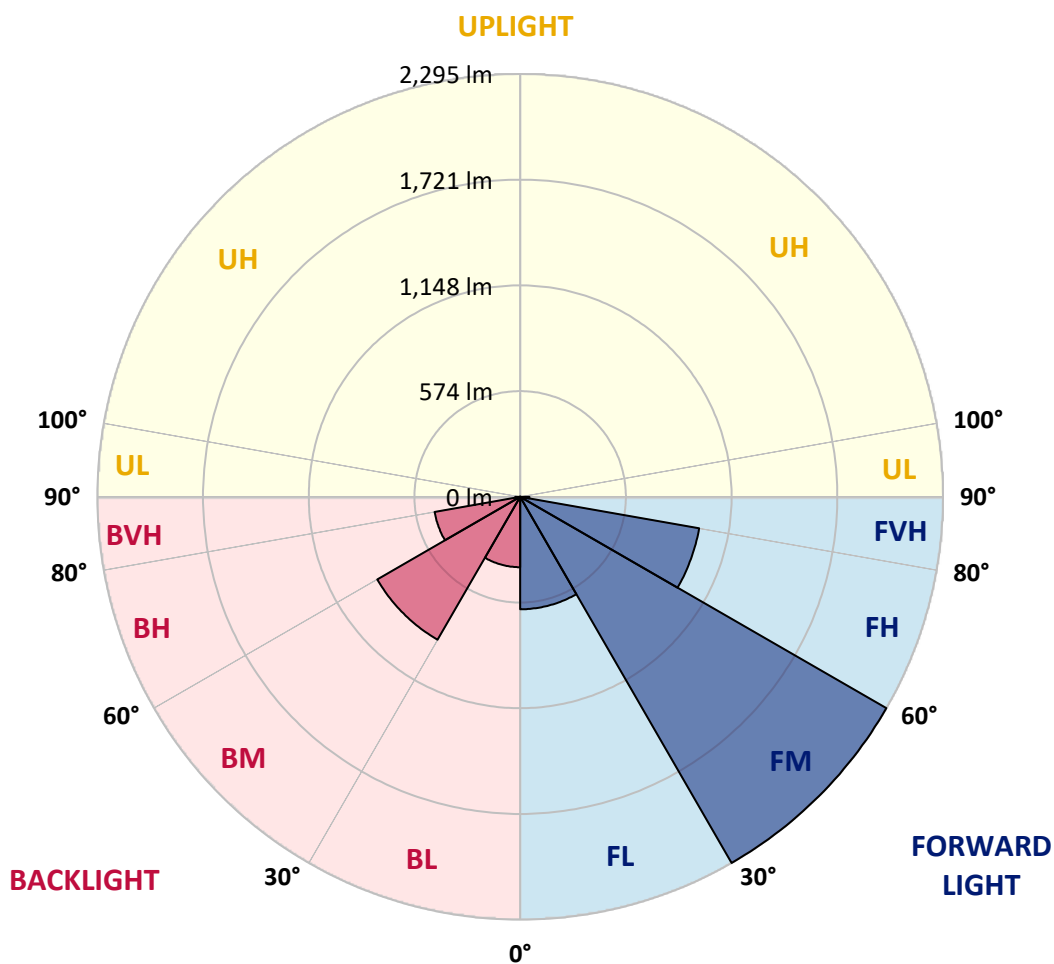
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	610.2	10.7			
FM	(30°-60°)	2295.0	40.1			
FH	(60°-80°)	986.3	17.3			G1/1800
FVH	(80°-90°)	50.1	0.9			G1/100
BL	(0°-30°)	382.1	6.7	B1/500		
BM	(30°-60°)	895.8	15.7	B1/1000		
BH	(60°-80°)	471.5	8.2	B1/500		G1/500
BVH	(80°-90°)	26.2	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	792.0	792.0	792.0	792.0	792.0	792.0	792.0	792.0	792.0	792.0	792.0
2.5°	843.8	843.0	843.8	848.2	839.4	835.0	826.3	814.8	806.0	799.9	798.1
5°	928.2	933.5	930.9	924.7	910.6	892.2	869.3	843.8	829.8	819.2	814.8
7.5°	1043.4	1035.5	1040.7	1022.3	997.7	966.0	922.1	891.3	858.8	841.2	835.9
10°	1168.2	1167.3	1156.8	1137.4	1100.5	1052.2	998.5	944.9	901.9	872.0	860.5
12.5°	1302.7	1301.8	1296.5	1260.5	1213.9	1144.5	1080.3	1010.8	943.2	911.5	898.3
15°	1435.4	1442.4	1432.8	1390.6	1330.8	1244.7	1163.8	1079.4	1002.9	957.2	940.5
17.5°	1577.8	1576.9	1558.5	1516.3	1447.7	1358.9	1258.7	1147.1	1058.3	1008.2	987.1
20°	1708.8	1723.7	1700.9	1656.9	1571.7	1475.0	1358.1	1229.7	1122.5	1061.8	1039.0
22.5°	1879.3	1877.5	1856.4	1789.6	1700.0	1584.0	1455.6	1318.5	1194.6	1120.7	1092.6
25°	2057.7	2062.1	2033.1	1952.3	1828.3	1703.5	1555.8	1415.2	1278.1	1185.8	1155.9
27.5°	2246.7	2250.2	2213.3	2115.8	1986.5	1825.7	1671.9	1509.2	1352.8	1257.8	1213.9
30°	2405.8	2408.5	2372.4	2273.1	2124.5	1955.8	1769.4	1604.2	1429.3	1328.2	1282.5
32.5°	2539.4	2532.4	2493.7	2402.3	2263.4	2082.4	1882.8	1694.7	1519.8	1402.9	1351.9
35°	2604.5	2612.4	2584.3	2500.8	2372.4	2201.0	2005.9	1801.9	1603.3	1476.7	1425.7
37.5°	2603.6	2611.5	2601.8	2547.3	2441.0	2294.2	2109.6	1913.6	1707.9	1562.0	1499.6
40°	2542.1	2552.6	2557.9	2529.8	2459.4	2354.8	2193.1	2012.9	1802.8	1646.4	1579.6
42.5°	2426.0	2434.0	2450.7	2436.6	2425.2	2365.4	2258.2	2110.5	1899.5	1731.6	1655.2
45°	2274.0	2279.2	2295.9	2310.9	2331.1	2325.0	2286.3	2197.5	2010.3	1819.5	1730.8
47.5°	2060.4	2078.8	2119.3	2171.1	2207.2	2249.4	2276.6	2254.6	2113.1	1916.2	1817.8
50°	1801.9	1800.2	1874.0	1959.3	2066.5	2129.8	2217.7	2293.3	2229.1	2031.4	1921.5
52.5°	1423.1	1444.2	1537.4	1705.3	1882.8	1999.7	2125.4	2292.4	2339.0	2160.6	2041.0
55°	1053.9	1102.3	1218.3	1387.9	1637.6	1852.9	2011.2	2246.7	2440.1	2303.0	2173.8
57.5°	766.5	766.5	890.4	1052.2	1355.4	1668.3	1903.9	2168.5	2515.7	2463.0	2330.2
60°	558.2	554.6	644.3	783.2	1025.8	1379.2	1796.7	2097.3	2580.7	2629.1	2499.9
62.5°	410.5	407.9	455.3	571.3	760.3	1075.0	1617.4	2063.9	2614.1	2782.9	2675.7
65°	320.8	323.5	350.7	421.9	571.3	774.4	1366.0	2063.0	2618.5	2923.6	2822.5
67.5°	260.2	263.7	279.5	327.9	436.0	559.9	1046.0	2002.4	2608.0	2960.5	2891.0
70°	219.7	220.6	235.6	269.9	330.5	421.0	735.7	1823.0	2552.6	2839.2	2787.3
72.5°	182.0	184.6	200.4	222.4	266.3	324.4	494.0	1493.4	2364.5	2497.2	2457.7
75°	149.4	147.7	160.0	187.2	216.2	253.2	348.1	1059.2	2007.6	1981.3	1933.8
77.5°	118.7	117.8	129.2	154.7	172.3	198.7	250.5	671.6	1475.8	1451.2	1413.4
80°	85.3	80.9	87.9	111.6	130.1	147.7	173.2	358.6	866.7	842.1	854.4
82.5°	49.2	49.2	51.9	70.3	83.5	95.8	110.8	190.7	414.9	428.1	413.1
85°	11.4	12.3	14.1	17.6	24.6	35.2	40.4	61.5	103.7	111.6	110.8
87.5°	0.9	0.9	0.9	1.8	1.8	1.8	1.8	2.6	3.5	3.5	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°	792.0	792.0	792.0	792.0	792.0	792.0	792.0	792.0	792.0	792.0	792.0
2.5°	794.6	793.7	785.8	781.4	782.3	778.8	774.4	774.4	771.8	769.1	768.2
5°	806.9	801.6	792.9	784.9	784.9	781.4	779.7	775.3	774.4	771.8	772.6
7.5°	823.6	815.7	803.4	795.5	795.5	792.9	792.9	789.3	788.5	784.9	783.2
10°	850.0	838.6	824.5	815.7	814.8	814.0	813.1	812.2	807.8	804.3	802.5
12.5°	881.6	867.6	850.9	844.7	843.0	841.2	839.4	834.2	830.7	826.3	823.6
15°	918.6	904.5	886.0	878.1	874.6	871.1	862.3	857.0	850.9	843.8	842.1
17.5°	961.6	941.4	919.4	910.6	903.6	895.7	887.8	875.5	865.8	857.9	856.1
20°	1008.2	983.6	958.1	944.9	935.3	921.2	905.4	889.5	878.1	868.5	866.7
22.5°	1053.9	1030.2	999.4	981.0	961.6	939.7	915.0	893.9	879.9	870.2	868.5
25°	1107.5	1077.7	1039.0	1010.0	981.8	951.1	917.7	890.4	872.0	862.3	858.8
27.5°	1164.7	1126.9	1075.0	1038.1	996.8	950.2	905.4	874.6	851.8	838.6	836.8
30°	1220.1	1176.1	1111.9	1053.9	1000.3	939.7	883.4	843.0	815.7	798.1	796.4
32.5°	1285.1	1228.0	1140.9	1068.9	996.8	922.1	851.8	802.5	770.9	753.3	753.3
35°	1348.4	1282.5	1172.6	1080.3	987.1	893.9	813.1	755.9	719.0	698.8	697.0
37.5°	1413.4	1333.4	1196.3	1081.2	969.5	856.1	767.4	705.8	666.3	642.5	638.2
40°	1481.1	1386.2	1213.9	1073.3	941.4	813.1	718.1	650.5	596.8	566.1	559.0
42.5°	1540.9	1431.9	1223.6	1062.7	907.1	763.9	659.2	577.5	520.4	492.2	487.0
45°	1591.9	1454.7	1217.4	1041.6	863.2	708.5	583.7	499.3	450.9	422.8	416.6
47.5°	1654.3	1491.7	1213.0	1017.9	811.3	638.2	502.8	423.7	381.5	360.4	358.6
50°	1726.4	1528.6	1210.4	987.1	748.9	555.5	422.8	353.4	320.0	303.3	301.5
52.5°	1801.9	1568.1	1212.1	949.3	672.4	463.2	351.6	298.9	270.7	261.9	260.2
55°	1906.6	1621.8	1219.2	900.1	585.4	382.4	296.2	256.7	240.8	236.5	236.5
57.5°	2018.2	1683.3	1232.4	841.2	495.8	311.2	253.2	233.8	231.2	232.1	232.9
60°	2157.1	1768.5	1251.7	777.9	407.0	260.2	228.5	224.1	226.8	234.7	236.5
62.5°	2290.7	1854.7	1285.1	705.0	327.0	224.1	215.4	216.2	219.7	230.3	231.2
65°	2414.6	1936.4	1305.3	618.8	269.0	203.9	205.7	205.7	214.5	229.4	230.3
67.5°	2468.2	2005.0	1278.1	516.9	220.6	188.1	191.6	195.1	203.0	214.5	216.2
70°	2416.4	1984.8	1138.3	394.7	183.7	172.3	174.9	178.4	188.1	199.5	204.8
72.5°	2167.6	1787.0	874.6	283.0	157.3	153.8	156.5	162.6	169.6	182.8	190.7
75°	1780.0	1452.1	615.3	192.5	135.4	133.6	140.6	145.0	141.5	144.2	148.6
77.5°	1296.5	1026.7	375.3	143.3	112.5	115.1	118.7	113.4	97.6	84.4	88.8
80°	808.7	603.9	217.1	106.4	87.0	85.3	83.5	75.6	55.4	37.8	16.7
82.5°	415.8	315.6	136.2	74.7	54.5	51.9	51.9	40.4	28.1	11.4	0.0
85°	99.3	89.7	53.6	30.8	20.2	19.3	13.2	5.3	1.8	0.0	0.0
87.5°	3.5	3.5	2.6	1.8	1.8	0.9	0.9	0.9	0.9	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)