

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: P1462102

Luminaire Tested: PRV-P-50-8540-U-T4W-HSS

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1462102
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-50-8540-U-T4W-HSS
Description: PREVAIL PETITE DISCRETE LED 1 SQUARE 50W 85CRI 4000k FIXTURE w/ TYPE IV WIDE 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: 3902.7 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

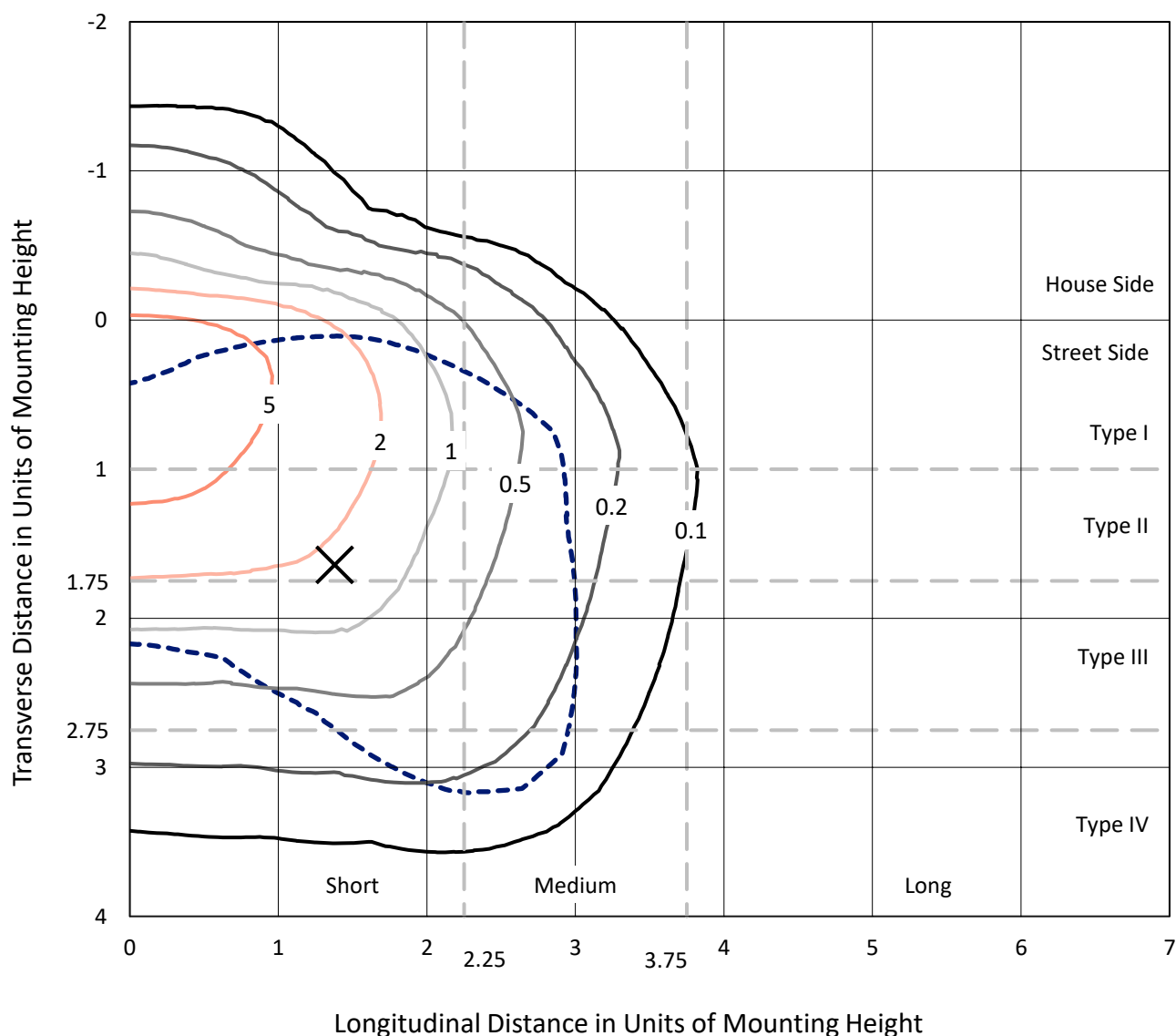
Input Watts (W): 52.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 6.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

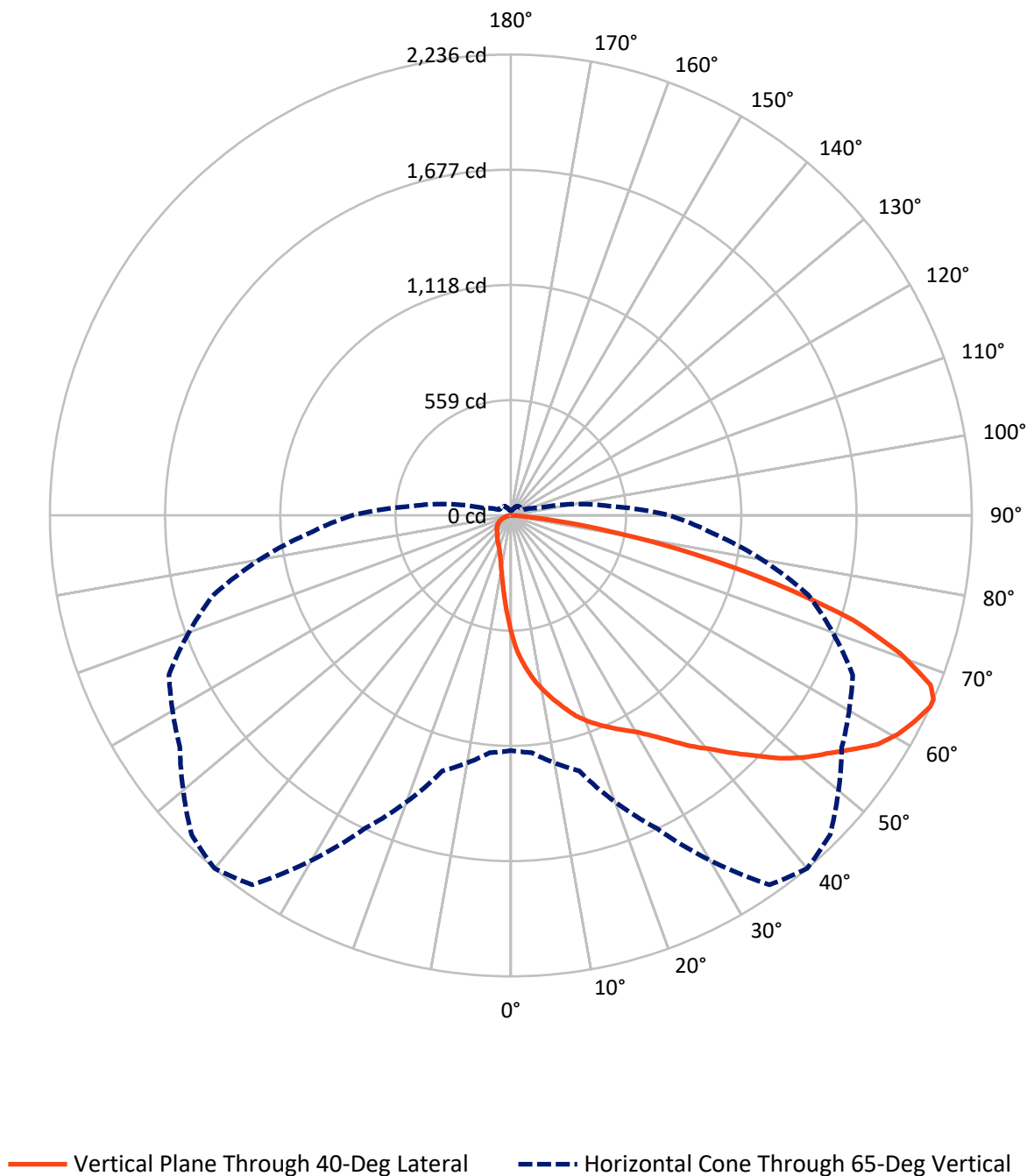


Based on 10 foot mounting height. Maximum calculated value = 9.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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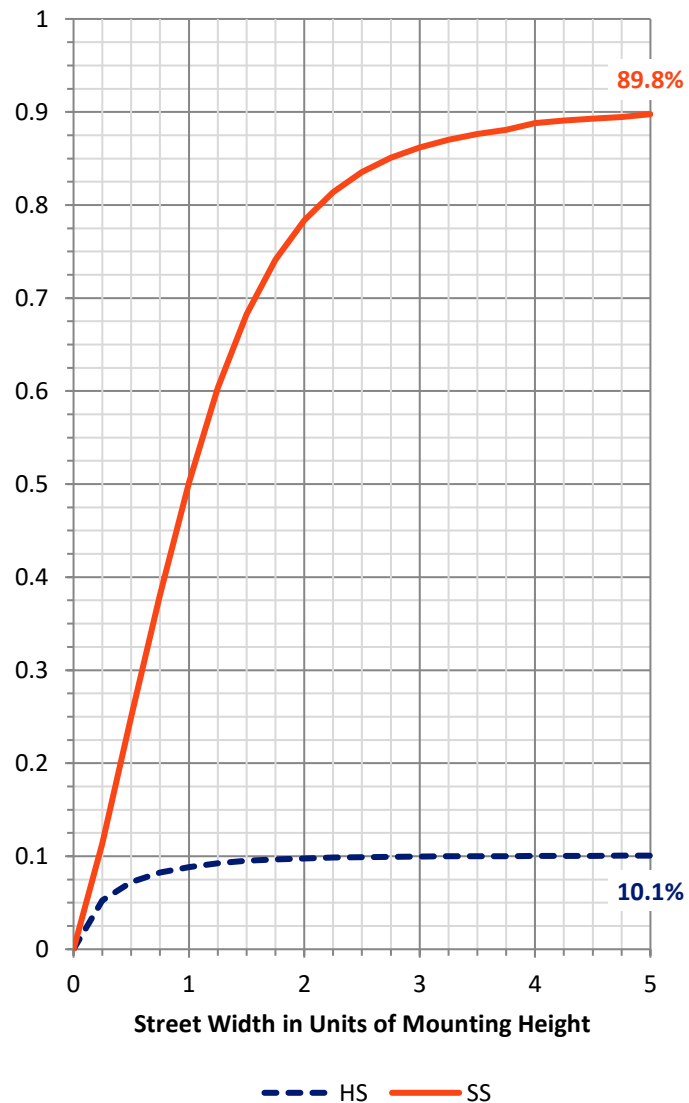
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	395.2	0.0	395.2
	% Fixture	10.1	0.0	10.1
Street Side	Lumens	3507.5	0.0	3507.5
	% Fixture	89.9	0.0	89.9
Total	Lumens	3902.7	0.0	3902.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.5	1.4
10°-20°	168.0	4.3
20°-30°	296.8	7.6
30°-40°	462.8	11.9
40°-50°	686.3	17.6
50°-60°	877.5	22.5
60°-70°	849.9	21.8
70°-80°	450.7	11.5
80°-90°	56.1	1.4
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°	3902.7	100.0
0°-180°	3902.7	100.0

Coefficient of Utilization



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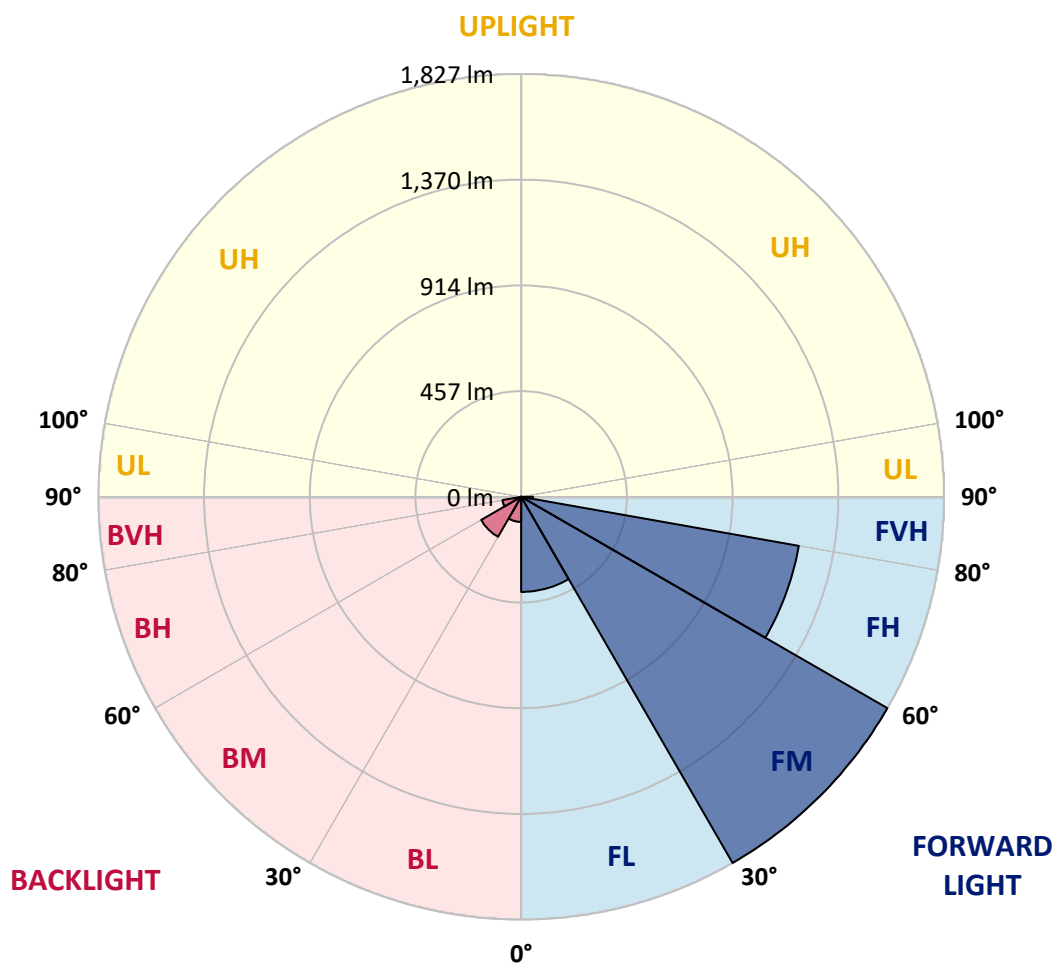
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	410.7	10.5			
FM	(30°-60°)	1827.1	46.8			
FH	(60°-80°)	1218.3	31.2			G1/1800
FVH	(80°-90°)	51.4	1.3			G1/100
BL	(0°-30°)	108.5	2.8	B0/110		
BM	(30°-60°)	199.7	5.1	B0/220		
BH	(60°-80°)	82.3	2.1	B0/110		G0/110
BVH	(80°-90°)	4.7	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	576.7	576.7	576.7	576.7	576.7	576.7	576.7	576.7	576.7	576.7	576.7
2.5°	690.1	688.3	685.7	682.1	670.7	669.0	660.2	647.9	630.3	613.6	591.6
5°	775.3	774.4	771.8	765.7	750.7	739.3	732.3	705.0	677.8	641.7	602.2
7.5°	849.2	844.8	844.8	833.3	815.8	805.2	789.4	758.6	718.2	672.5	617.1
10°	909.8	911.6	906.3	895.8	876.4	861.5	848.3	809.6	760.4	703.2	632.0
12.5°	970.5	967.8	964.3	949.4	934.4	915.1	898.4	859.7	802.6	734.9	648.7
15°	1019.7	1020.6	1019.7	1010.0	988.9	968.7	952.0	905.4	845.7	768.3	668.1
17.5°	1061.0	1053.1	1058.4	1054.9	1036.4	1022.3	1001.2	953.8	883.5	799.1	690.1
20°	1081.2	1080.4	1089.1	1088.3	1079.5	1065.4	1056.6	1002.1	927.4	840.4	709.4
22.5°	1105.9	1107.6	1113.8	1120.8	1112.9	1105.0	1094.4	1052.2	980.1	877.3	733.1
25°	1133.1	1134.0	1142.8	1145.4	1147.2	1142.8	1139.3	1108.5	1025.0	917.7	759.5
27.5°	1178.8	1175.3	1180.6	1181.5	1183.2	1179.7	1181.5	1156.0	1086.5	964.3	789.4
30°	1235.1	1233.3	1229.8	1221.0	1222.8	1221.0	1226.3	1214.0	1143.7	1012.7	817.5
32.5°	1319.5	1318.6	1308.9	1287.8	1278.1	1277.3	1276.4	1263.2	1202.5	1062.8	851.8
35°	1421.4	1405.6	1405.6	1378.4	1364.3	1344.1	1333.5	1325.6	1262.3	1119.9	887.8
37.5°	1528.7	1527.8	1514.6	1481.2	1456.6	1420.6	1399.5	1377.5	1320.3	1176.2	922.1
40°	1663.2	1654.4	1634.2	1594.6	1539.2	1490.0	1463.6	1440.8	1381.0	1231.6	954.7
42.5°	1809.1	1790.6	1757.2	1703.6	1628.0	1575.3	1543.6	1502.3	1444.3	1289.6	991.6
45°	1952.4	1909.3	1862.7	1823.2	1712.4	1662.3	1630.6	1577.0	1512.9	1348.5	1026.7
47.5°	2018.3	1967.3	1951.5	1927.8	1802.9	1760.7	1724.7	1657.0	1580.5	1420.6	1064.5
50°	2025.3	1991.1	2020.9	1995.5	1880.3	1846.0	1817.0	1744.9	1651.7	1487.4	1099.7
52.5°	1974.4	1978.8	2035.0	2022.7	1954.1	1919.9	1905.8	1831.1	1718.6	1542.7	1127.8
55°	1890.0	1888.2	1984.0	2061.4	2029.7	2004.2	1987.5	1924.3	1794.2	1590.2	1151.6
57.5°	1762.5	1755.5	1861.8	2062.3	2109.7	2096.5	2073.7	2013.0	1849.5	1606.9	1156.0
60°	1598.1	1577.0	1688.7	1979.6	2144.9	2156.3	2144.9	2067.5	1893.5	1589.3	1126.9
62.5°	1389.8	1377.5	1509.3	1841.6	2174.8	2200.3	2179.2	2052.6	1899.6	1551.5	1070.7
65°	1141.0	1155.1	1283.4	1675.5	2188.0	2236.3	2190.6	1960.3	1830.2	1495.3	980.1
66°	1041.7	1067.2	1187.6	1593.7	2172.1	2236.3	2182.7	1913.7	1772.2	1458.4	938.8
67.5°	926.5	936.2	1044.3	1464.5	2125.6	2196.8	2137.0	1833.7	1669.3	1398.6	867.6
70°	721.7	740.2	836.0	1198.2	1931.3	2002.5	1941.0	1650.0	1420.6	1242.1	717.3
72.5°	535.3	552.9	654.0	933.6	1640.3	1738.8	1673.7	1397.7	1154.2	1021.5	572.3
75°	367.4	392.1	471.2	679.5	1207.8	1332.6	1326.5	1083.9	878.2	763.0	425.5
77.5°	209.2	218.9	298.0	439.5	773.6	917.7	934.4	774.4	613.6	515.1	301.5
80°	97.6	99.3	144.2	254.0	448.3	533.6	580.2	505.5	377.1	319.1	207.5
82.5°	41.3	46.6	67.7	102.8	178.4	231.2	273.4	283.9	203.9	185.5	131.9
85°	5.3	6.2	7.9	29.0	49.2	65.9	83.5	86.1	73.0	73.0	47.5
87.5°	0.9	0.9	1.8	2.6	3.5	3.5	4.4	7.0	3.5	2.6	2.6
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°	576.7	576.7	576.7	576.7	576.7	576.7	576.7	576.7	576.7	576.7	576.7
2.5°	580.2	570.5	545.0	526.6	506.3	487.9	472.1	463.3	454.5	450.1	451.0
5°	579.3	560.0	516.0	472.9	436.9	407.0	381.5	365.7	354.3	346.3	346.3
7.5°	583.7	550.3	482.6	427.2	378.0	338.4	310.3	291.8	278.7	275.1	271.6
10°	587.2	544.1	456.2	378.9	321.7	285.7	258.4	242.6	230.3	225.9	224.2
12.5°	595.1	539.7	430.7	342.8	282.2	242.6	220.6	205.7	198.7	195.2	195.2
15°	605.7	537.1	407.0	308.5	248.8	214.5	193.4	182.0	177.6	174.1	173.2
17.5°	616.2	537.1	383.3	282.2	224.2	193.4	174.9	165.3	160.9	159.1	159.1
20°	626.8	534.5	363.9	260.2	205.7	175.8	160.0	153.8	150.3	147.7	147.7
22.5°	639.1	533.6	343.7	239.1	189.0	163.5	149.4	143.3	139.8	138.0	138.0
25°	654.9	535.3	327.0	220.6	175.8	154.7	140.6	133.6	129.2	128.3	126.6
27.5°	673.4	539.7	312.9	208.3	164.4	146.8	132.7	124.8	119.6	117.8	116.9
30°	692.7	544.1	299.8	193.4	153.8	138.0	124.8	115.2	110.8	109.0	108.1
32.5°	712.9	549.4	289.2	182.8	145.0	129.2	117.8	107.2	103.7	102.0	101.1
35°	734.0	557.3	276.9	172.3	137.1	121.3	110.8	100.2	97.6	95.8	95.8
37.5°	758.6	564.4	269.0	164.4	131.0	115.2	104.6	95.8	93.2	92.3	91.4
40°	781.5	573.1	266.4	158.2	125.7	109.9	99.3	90.5	88.8	87.9	87.9
42.5°	802.6	581.9	262.8	153.0	119.6	104.6	94.9	87.9	85.3	84.4	84.4
45°	823.7	587.2	256.7	147.7	113.4	100.2	92.3	84.4	81.8	80.0	80.0
47.5°	844.8	594.2	247.9	141.5	108.1	96.7	88.8	80.9	78.2	76.5	76.5
50°	864.1	597.8	240.0	132.7	102.0	91.4	84.4	77.4	74.7	72.1	72.1
52.5°	881.7	601.3	227.7	124.8	96.7	87.0	80.9	73.8	69.4	65.9	65.1
55°	894.9	603.0	213.6	112.5	89.7	81.8	76.5	69.4	60.7	54.5	52.7
57.5°	894.9	601.3	197.8	99.3	82.6	75.6	72.1	63.3	49.2	42.2	41.3
60°	881.7	586.3	181.1	85.3	74.7	69.4	66.8	54.5	40.4	34.3	33.4
62.5°	842.1	560.0	160.0	73.8	66.8	63.3	60.7	46.6	33.4	28.1	27.3
65°	768.3	495.8	134.5	65.1	59.8	58.0	54.5	39.6	28.1	22.9	22.9
66°	733.1	466.8	124.8	62.4	57.1	55.4	51.0	36.9	25.5	20.2	19.3
67.5°	663.7	419.3	109.9	58.0	52.7	52.7	47.5	33.4	20.2	14.9	14.9
70°	539.7	334.0	89.7	51.9	47.5	44.8	39.6	25.5	14.9	10.5	9.7
72.5°	414.9	254.0	74.7	46.6	44.0	37.8	32.5	21.1	11.4	7.0	7.0
75°	306.8	184.6	65.1	40.4	36.9	29.9	28.1	15.8	7.9	4.4	4.4
77.5°	210.1	129.2	60.7	34.3	29.0	23.7	22.0	11.4	5.3	2.6	1.8
80°	140.6	86.1	48.3	25.5	22.9	17.6	13.2	6.2	2.6	0.0	0.0
82.5°	87.0	51.0	29.0	18.5	13.2	9.7	7.0	2.6	0.9	0.0	0.0
85°	28.1	17.6	10.5	3.5	2.6	1.8	0.9	0.9	0.0	0.0	0.0
87.5°	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	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)