

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: P1462050

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

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1462050
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
Description: PREVAIL PETITE DISCRETE LED 1 SQUARE 50W 85CRI 4000k FIXTURE w/ TYPE IV WIDE DISTRIBUTION OPTIC
Light Source: (10) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5440.4 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type IV - 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

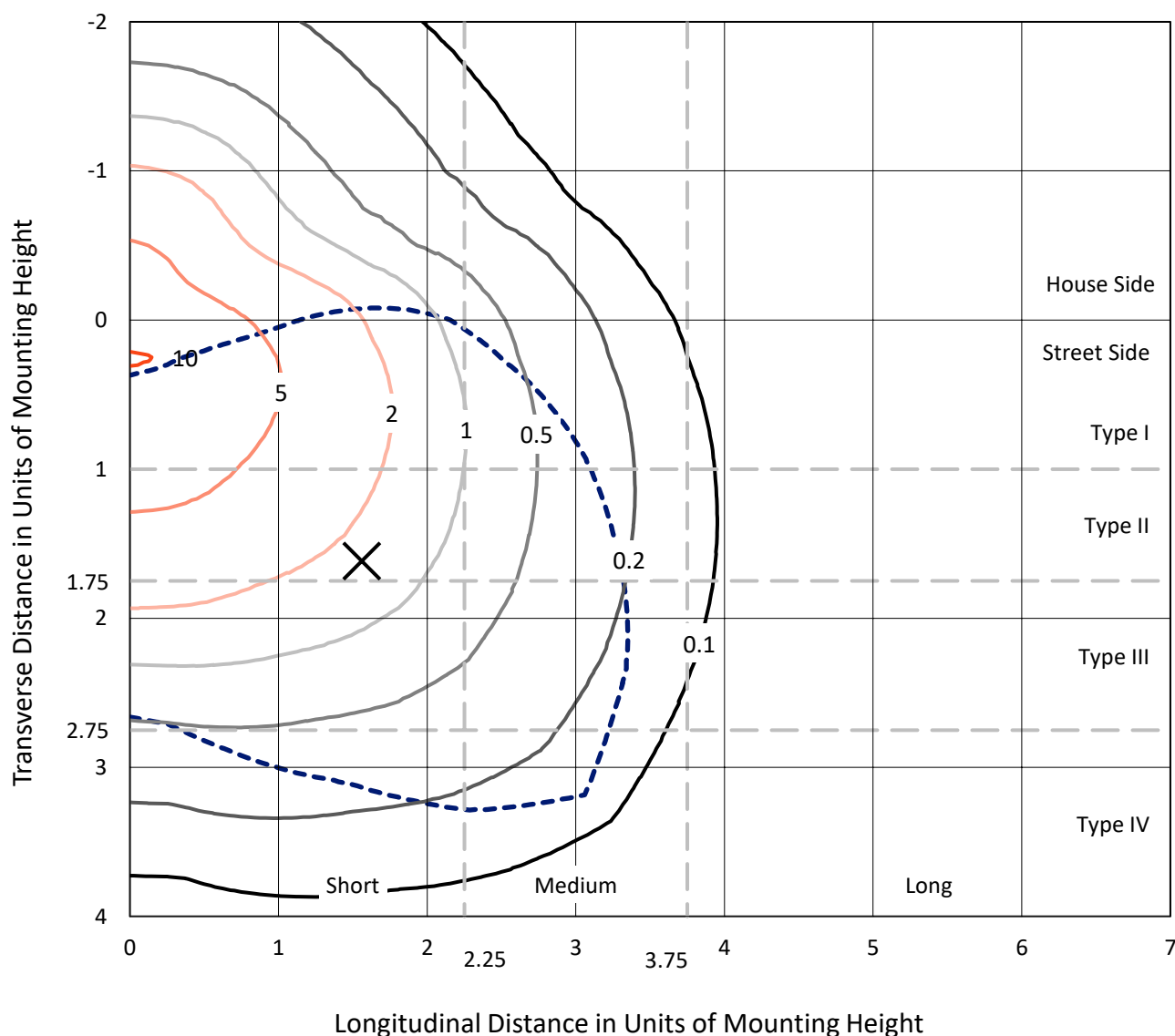
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



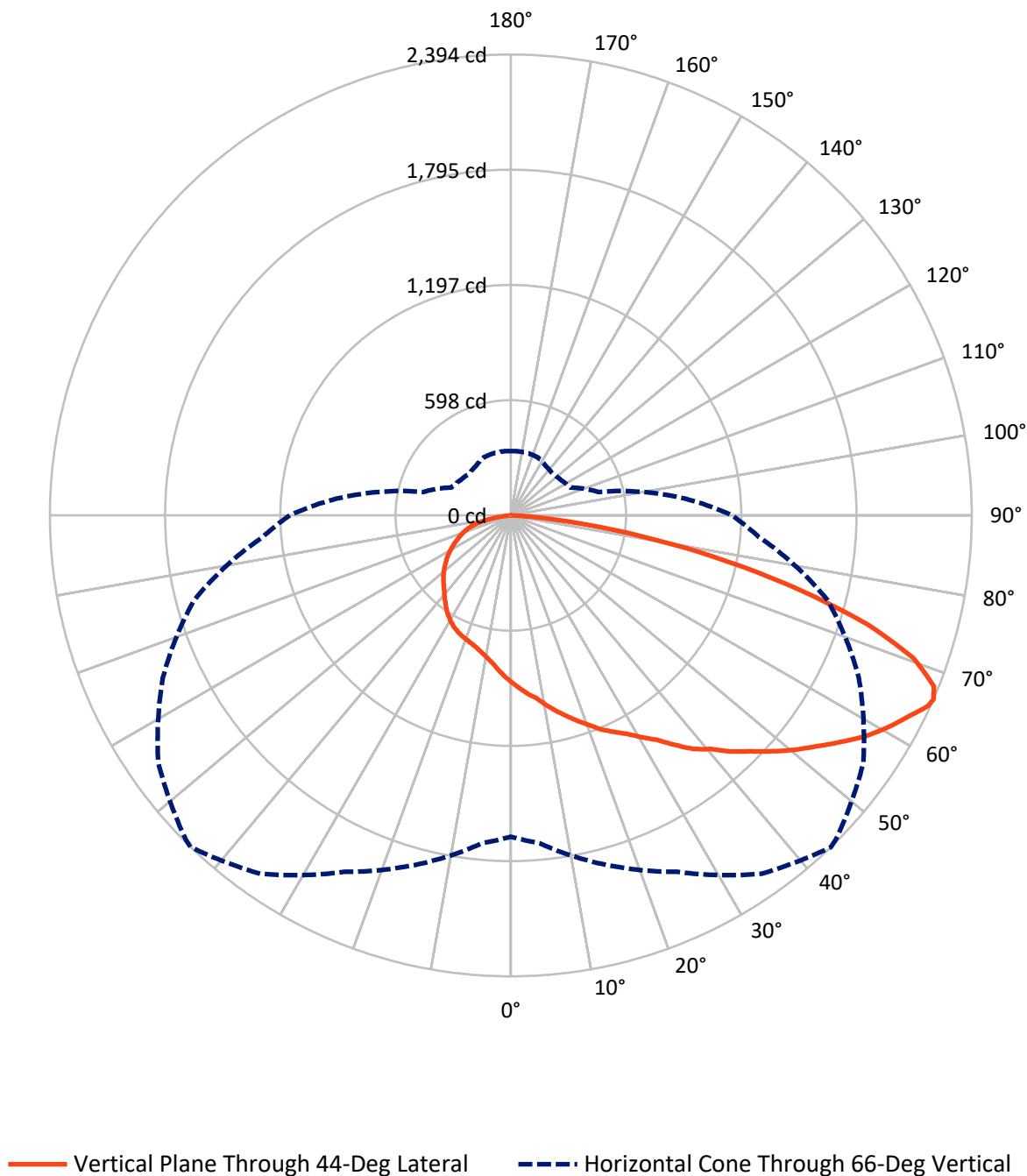
Based on 10 foot mounting height. Maximum calculated value = 10.2 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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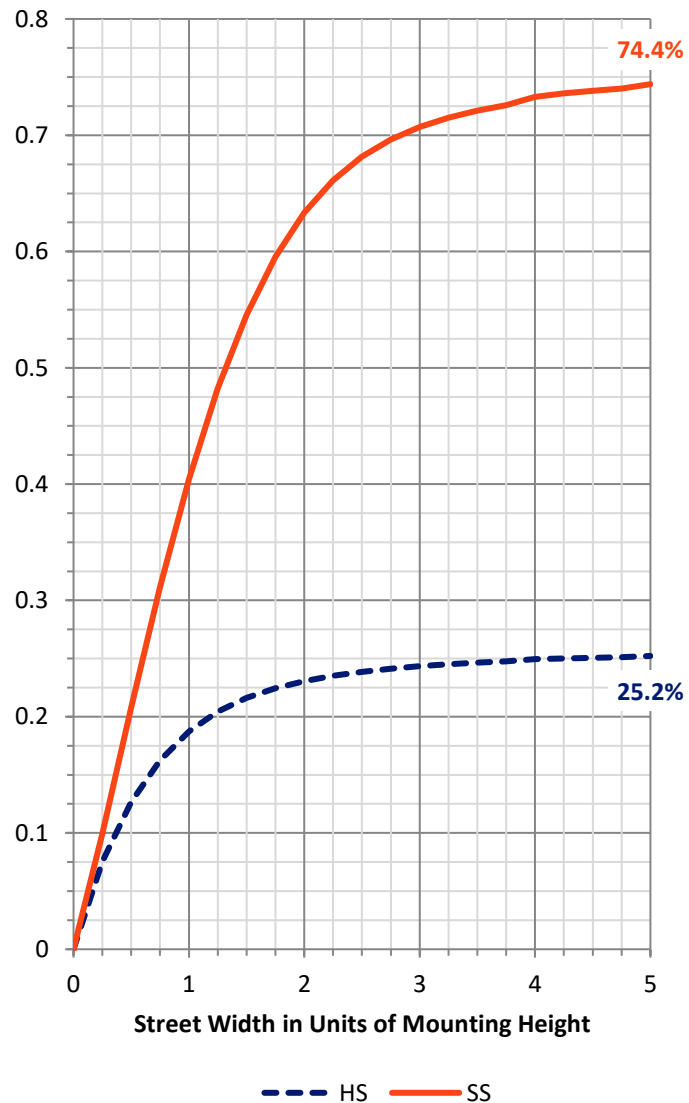
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1378.8	0.0	1378.8
	% Fixture	25.3	0.0	25.3
Street Side	Lumens	4061.6	0.0	4061.6
	% Fixture	74.7	0.0	74.7
Total	Lumens	5440.4	0.0	5440.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.0	1.5
10°-20°	255.7	4.7
20°-30°	443.8	8.2
30°-40°	662.1	12.2
40°-50°	905.6	16.6
50°-60°	1130.4	20.8
60°-70°	1169.7	21.5
70°-80°	680.5	12.5
80°-90°	109.5	2.0
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°	5440.4	100.0
0°-180°	5440.4	100.0

Coefficient of Utilization



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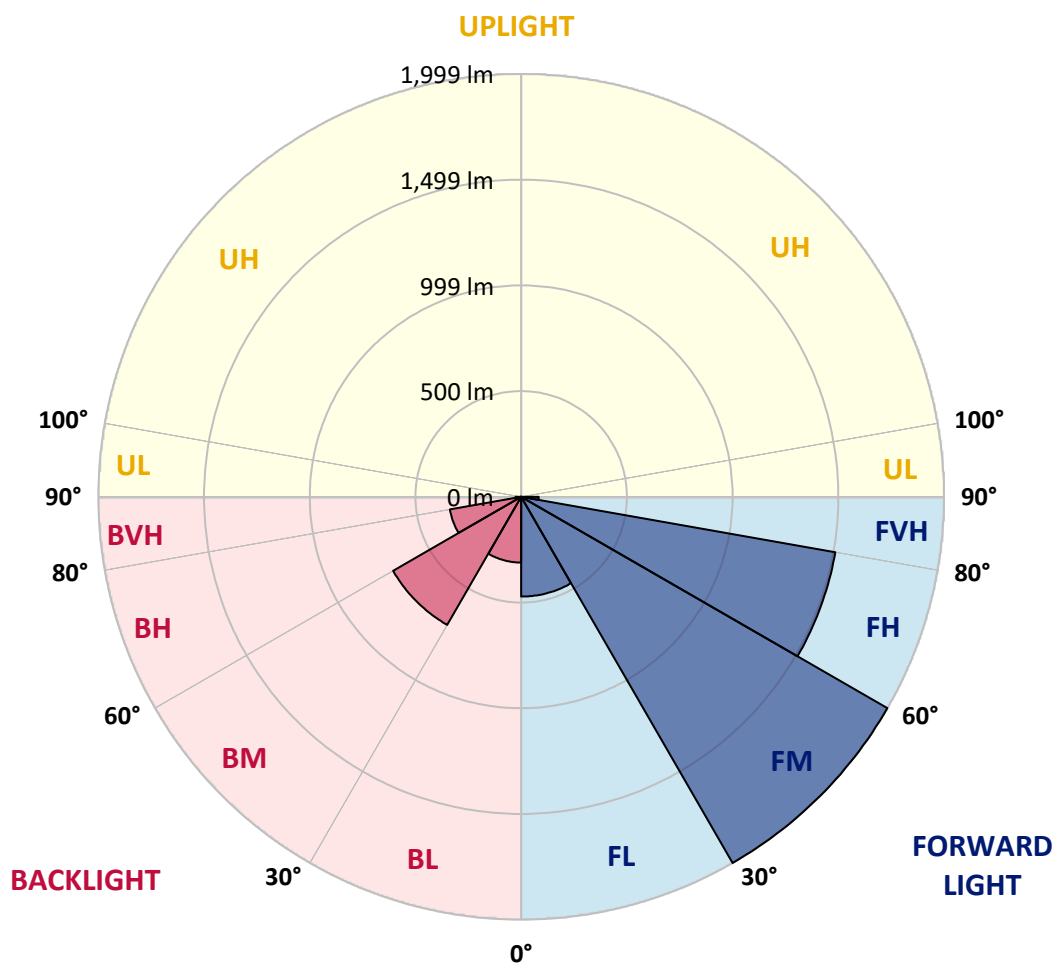
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	471.7	8.7			
FM	(30°-60°)	1999.0	36.7			
FH	(60°-80°)	1508.2	27.7			G1/1800
FVH	(80°-90°)	82.7	1.5			G1/100
BL	(0°-30°)	310.8	5.7	B1/500		
BM	(30°-60°)	699.2	12.9	B1/1000		
BH	(60°-80°)	342.1	6.3	B1/500		G1/500
BVH	(80°-90°)	26.8	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	868.5	868.5	868.5	868.5	868.5	868.5	868.5	868.5	868.5	868.5	868.5
2.5°	908.0	908.0	909.8	908.0	903.6	899.2	899.2	895.7	883.4	881.7	872.0
5°	948.5	951.1	948.5	945.0	941.4	931.8	930.9	919.5	901.0	887.8	875.5
7.5°	986.3	990.7	990.7	986.3	974.0	958.1	959.0	945.8	919.5	900.1	882.5
10°	1039.0	1037.3	1039.9	1028.5	1017.0	1000.3	993.3	973.1	945.0	920.3	891.3
12.5°	1093.5	1088.2	1089.1	1076.8	1061.9	1040.8	1032.9	1003.0	970.4	938.8	902.8
15°	1127.8	1130.4	1133.1	1119.0	1110.2	1080.3	1074.2	1045.2	998.6	956.4	914.2
17.5°	1163.8	1157.7	1170.0	1157.7	1150.6	1121.6	1122.5	1080.3	1025.8	980.1	928.3
20°	1188.4	1190.2	1195.5	1194.6	1189.3	1162.1	1162.1	1127.8	1064.5	1001.2	939.7
22.5°	1214.8	1215.7	1223.6	1224.5	1217.5	1207.8	1206.0	1164.7	1102.3	1031.1	955.5
25°	1260.5	1257.0	1260.5	1253.5	1254.4	1245.6	1245.6	1221.0	1148.9	1062.7	976.6
27.5°	1322.9	1323.8	1315.0	1306.2	1295.7	1284.3	1290.4	1262.3	1199.0	1102.3	999.5
30°	1403.8	1405.6	1395.0	1369.5	1347.6	1336.1	1330.9	1316.8	1251.7	1142.7	1026.7
32.5°	1525.1	1513.7	1493.5	1453.0	1417.9	1388.9	1390.6	1371.3	1311.5	1190.2	1053.1
35°	1615.7	1607.7	1591.9	1558.5	1518.1	1462.7	1462.7	1429.3	1367.8	1239.4	1080.3
37.5°	1700.9	1701.8	1686.9	1645.5	1614.8	1539.2	1526.9	1482.0	1420.5	1286.9	1113.7
40°	1836.3	1808.2	1774.8	1733.4	1678.1	1595.4	1590.2	1546.2	1480.3	1341.4	1147.1
42.5°	1918.0	1902.2	1867.9	1815.2	1748.4	1676.3	1666.6	1608.6	1544.5	1396.8	1189.3
45°	2029.7	2003.3	1958.5	1922.4	1815.2	1747.5	1739.6	1683.3	1614.8	1457.4	1228.0
47.5°	2113.2	2055.2	2043.7	2019.1	1893.4	1830.1	1819.6	1761.6	1688.6	1533.0	1276.4
50°	2143.1	2110.5	2122.9	2078.9	1963.8	1912.8	1909.3	1849.5	1762.5	1599.0	1320.3
52.5°	2153.6	2161.5	2174.7	2114.1	2032.3	1991.9	1988.4	1931.2	1837.2	1660.5	1360.7
55°	2213.4	2211.6	2229.2	2167.7	2118.5	2078.0	2072.8	2022.6	1904.9	1714.1	1396.8
57.5°	2267.9	2245.9	2266.1	2219.5	2198.5	2166.8	2165.9	2107.0	1969.9	1758.1	1417.9
60°	2247.7	2216.0	2251.2	2213.4	2241.5	2241.5	2249.4	2174.7	2020.9	1795.0	1428.4
62.5°	2078.0	2077.1	2158.9	2170.3	2267.9	2309.2	2300.4	2216.0	2044.6	1799.4	1411.7
65°	1792.3	1825.7	1977.8	2097.4	2278.4	2383.0	2374.3	2232.7	2017.4	1738.7	1345.8
66°	1668.4	1708.8	1876.7	2042.0	2271.4	2393.6	2384.8	2235.4	1993.6	1702.7	1293.9
67.5°	1453.0	1497.9	1713.2	1945.3	2225.7	2369.9	2373.4	2221.3	1922.4	1613.0	1216.6
70°	1109.3	1156.8	1414.4	1681.6	2044.6	2217.8	2216.9	2072.8	1746.6	1410.0	1029.3
72.5°	802.6	830.7	1099.7	1354.6	1741.4	1939.1	1950.6	1784.4	1471.5	1150.6	813.1
75°	569.6	583.7	788.5	1009.1	1344.9	1555.9	1542.7	1398.5	1125.2	862.3	617.1
77.5°	388.5	417.5	559.9	706.7	963.4	1150.6	1131.3	971.3	798.2	605.7	450.1
80°	242.6	259.3	343.7	436.9	615.3	753.3	756.8	639.1	503.7	413.1	330.5
82.5°	133.6	140.6	200.4	241.7	300.6	396.4	411.4	384.1	312.9	269.9	232.1
85°	36.9	36.9	62.4	71.2	95.8	132.7	132.7	138.9	122.2	96.7	74.7
87.5°	1.8	1.8	1.8	2.6	2.6	2.6	2.6	4.4	3.5	1.8	1.8
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°	868.5	868.5	868.5	868.5	868.5	868.5	868.5	868.5	868.5	868.5	868.5
2.5°	867.6	865.0	857.9	851.8	843.9	839.5	833.3	828.0	826.3	821.0	821.0
5°	865.0	860.6	841.2	828.9	818.4	806.1	799.9	791.1	787.6	781.5	782.3
7.5°	868.5	859.7	833.3	809.6	792.9	774.4	764.8	759.5	753.3	748.1	746.3
10°	874.6	860.6	826.3	793.8	766.5	748.9	736.6	727.8	727.0	724.3	723.4
12.5°	880.8	861.4	821.9	781.5	751.6	729.6	715.5	708.5	710.3	714.7	712.9
15°	890.5	866.7	814.0	764.8	732.2	710.3	701.5	697.9	706.7	710.3	711.1
17.5°	896.6	869.4	804.3	749.8	713.8	696.2	691.8	695.3	703.2	713.8	715.5
20°	904.5	871.1	794.6	734.0	697.1	684.8	688.3	697.1	707.6	721.7	724.3
22.5°	915.9	875.5	789.4	715.5	679.5	674.2	684.8	699.7	711.1	728.7	730.5
25°	930.0	883.4	776.2	697.1	659.3	661.0	681.2	700.6	712.0	728.7	734.0
27.5°	948.5	892.2	767.4	676.0	639.9	647.8	671.6	696.2	710.3	727.0	732.2
30°	966.1	900.1	757.7	654.0	617.1	629.4	658.4	683.9	700.6	715.5	723.4
32.5°	987.1	912.4	748.9	635.5	596.0	609.2	640.8	672.5	690.0	705.0	711.1
35°	1007.4	924.7	744.5	617.1	574.9	587.2	618.8	655.8	675.1	684.8	695.3
37.5°	1032.9	943.2	741.9	601.3	552.9	561.7	597.7	636.4	656.6	666.3	676.0
40°	1065.4	968.7	742.8	585.4	530.1	537.1	575.8	618.0	640.8	645.2	654.0
42.5°	1097.0	991.5	744.5	570.5	509.8	513.4	553.8	596.9	616.2	619.7	628.5
45°	1132.2	1023.2	744.5	552.0	488.7	494.0	532.7	574.0	596.0	597.7	604.8
47.5°	1170.9	1054.0	741.0	532.7	468.5	473.8	511.6	547.6	567.9	570.5	577.5
50°	1209.5	1078.6	733.1	509.0	448.3	455.3	487.0	520.4	534.4	538.8	544.1
52.5°	1246.5	1100.5	713.8	484.3	428.1	433.4	461.5	488.7	500.2	505.4	508.1
55°	1274.6	1115.5	687.4	457.1	410.5	412.3	432.5	455.3	463.2	463.2	467.6
57.5°	1289.5	1118.1	650.5	429.0	390.3	390.3	404.4	424.6	428.1	427.2	428.1
60°	1293.9	1103.2	605.7	402.6	370.1	365.7	377.1	390.3	391.2	391.2	395.6
62.5°	1272.0	1061.9	552.0	377.1	349.9	340.2	349.0	362.2	364.8	364.8	365.7
65°	1198.1	974.0	493.1	351.6	327.9	316.5	324.4	341.1	346.3	345.5	344.6
66°	1148.0	930.9	469.4	341.1	319.1	305.9	314.7	332.3	334.9	334.9	334.0
67.5°	1062.7	842.1	428.1	325.2	303.3	291.8	301.5	314.7	319.1	321.7	321.7
70°	883.4	693.6	374.5	297.1	276.0	268.1	275.1	284.8	287.4	291.0	289.2
72.5°	697.1	543.2	326.1	269.0	251.4	241.7	245.2	254.0	261.1	263.7	260.2
75°	529.2	421.1	283.9	240.9	224.2	212.7	212.7	211.0	211.0	218.0	208.3
77.5°	397.3	333.2	247.0	204.8	187.2	174.9	167.9	169.7	158.2	149.4	142.4
80°	293.6	253.2	202.2	160.9	140.6	121.3	122.2	126.6	99.3	70.3	35.2
82.5°	208.3	183.7	145.0	109.9	83.5	73.0	73.0	76.5	55.4	20.2	0.0
85°	65.9	63.3	57.1	41.3	36.9	28.1	22.0	20.2	22.9	4.4	0.0
87.5°	1.8	1.8	1.8	1.8	0.9	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)