

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: P1462207

Luminaire Tested: PRV-P-70-8540-U-T3R

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1462207
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-70-8540-U-T3R
Description: PREVAIL PETITE DISCRETE LED 2 SQUARES 70W 85CRI 4000k FIXTURE w/ TYPE III DISTRIBUTION OPTIC
Light Source: (20) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8946.9 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 74
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 8.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

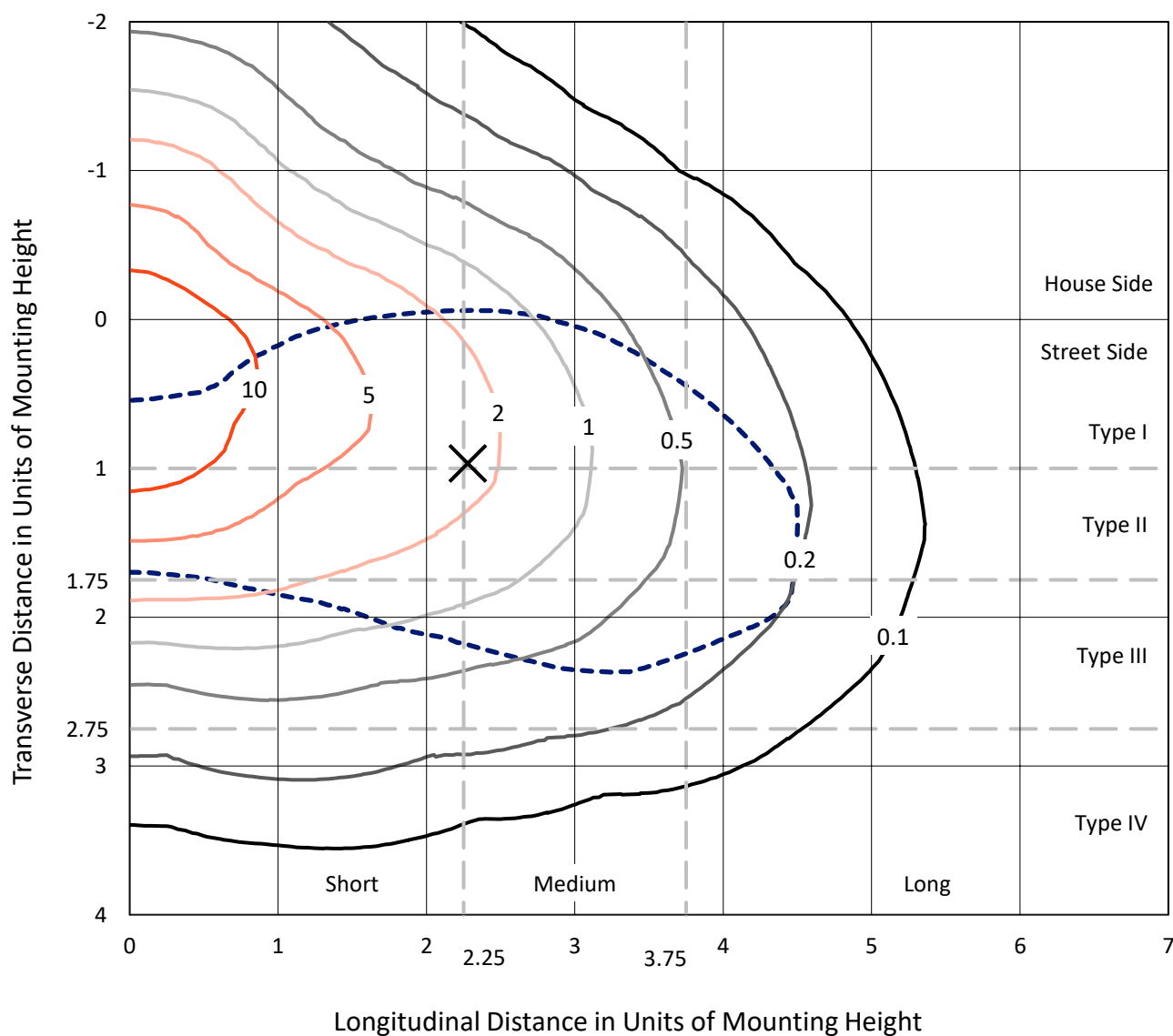
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

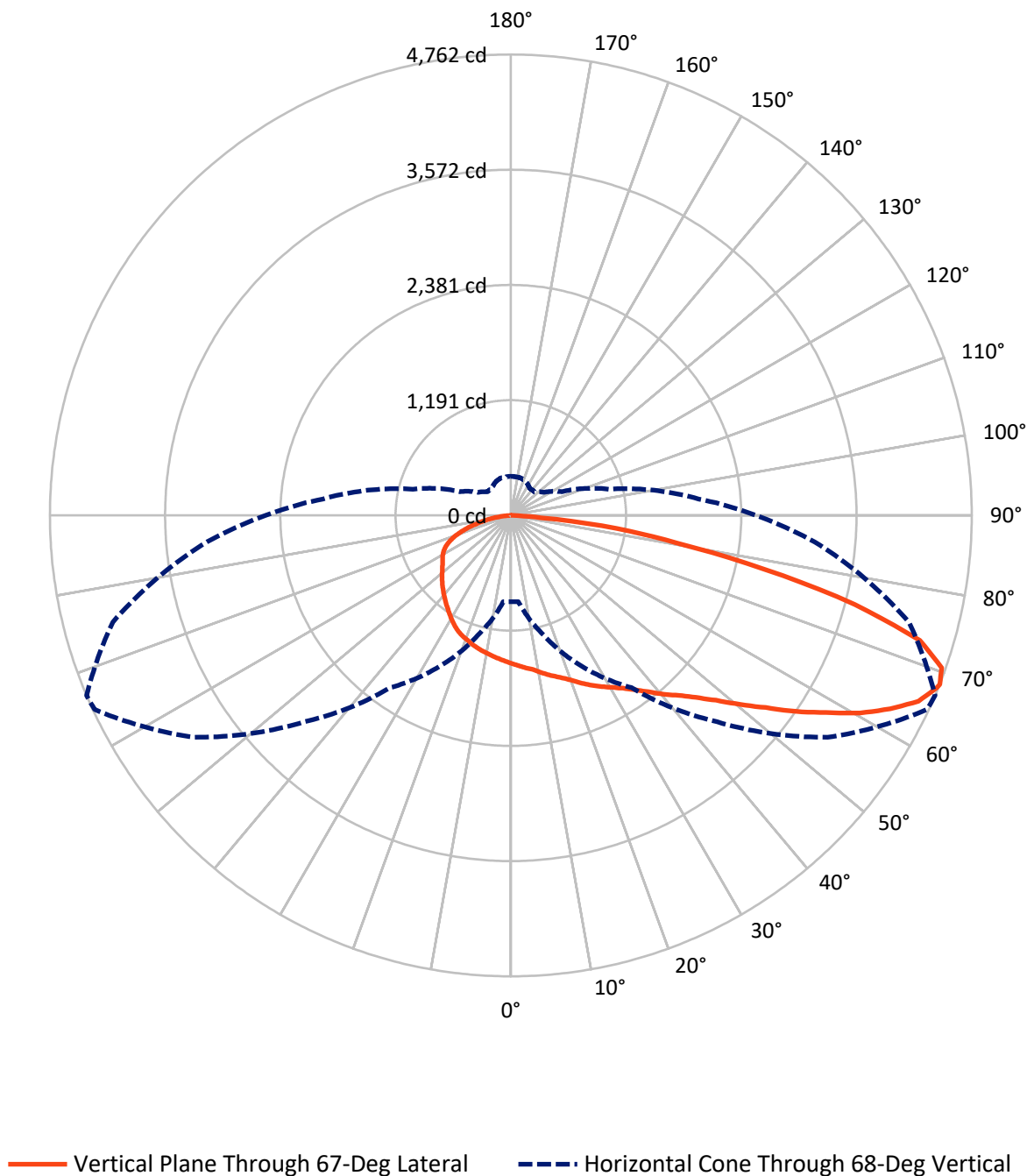


Based on 10 foot mounting height. Maximum calculated value = 16.4 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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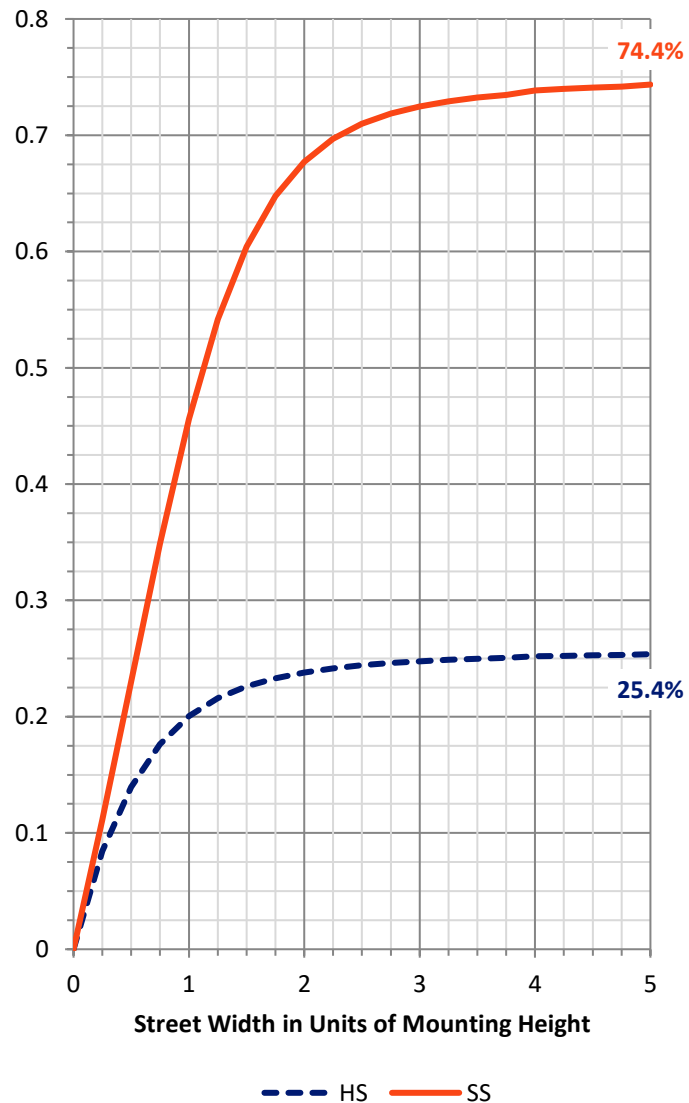
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2282.8	0.0	2282.8
	% Fixture	25.5	0.0	25.5
Street Side	Lumens	6664.2	0.0	6664.2
	% Fixture	74.5	0.0	74.5
Total	Lumens	8946.9	0.0	8946.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.5	1.6
10°-20°	438.9	4.9
20°-30°	745.2	8.3
30°-40°	1129.4	12.6
40°-50°	1526.2	17.1
50°-60°	1806.0	20.2
60°-70°	1820.3	20.3
70°-80°	1150.0	12.9
80°-90°	184.5	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°	8946.9	100.0
0°-180°	8946.9	100.0

Coefficient of Utilization



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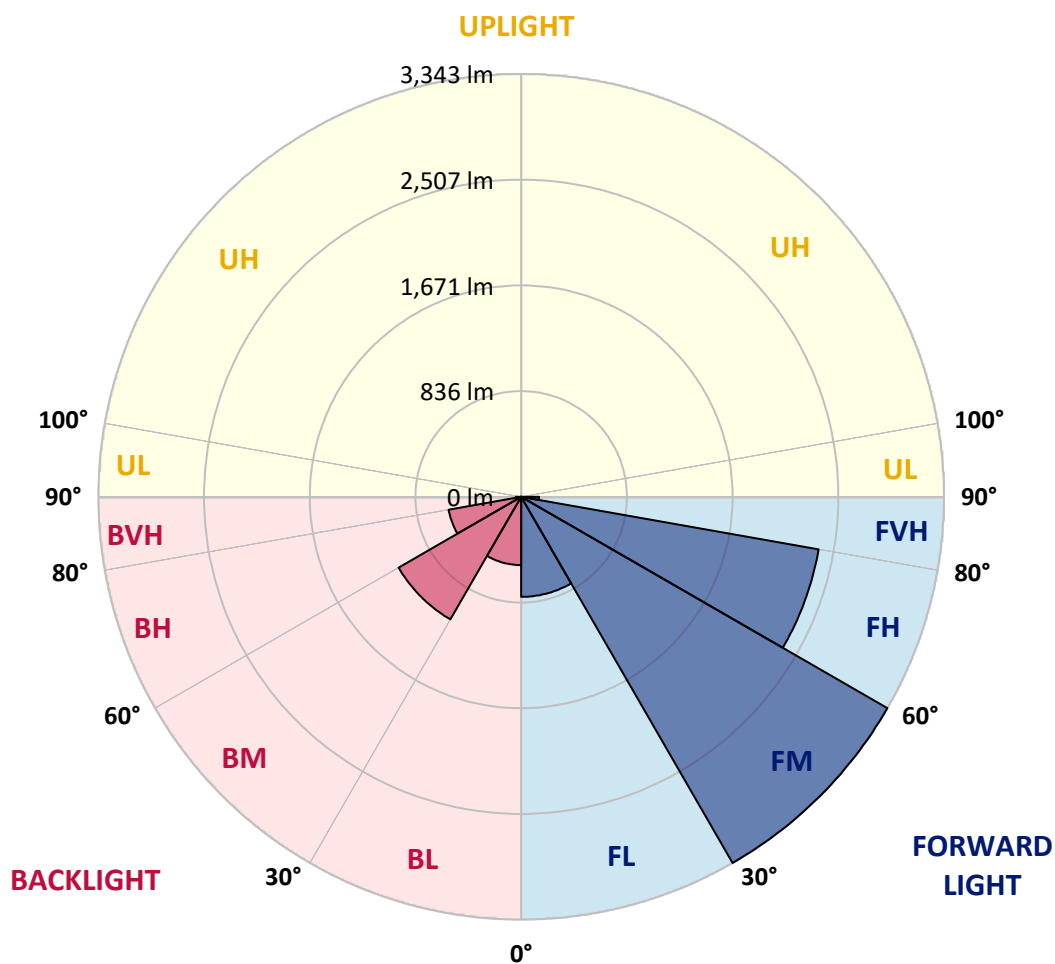
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	790.8	8.8			
FM	(30°-60°)	3343.0	37.4			
FH	(60°-80°)	2388.3	26.7			G2/5000
FVH	(80°-90°)	142.1	1.6			G2/225
BL	(0°-30°)	539.8	6.0	B2/1000		
BM	(30°-60°)	1118.6	12.5	B2/2500		
BH	(60°-80°)	582.0	6.5	B2/1000		G2/1000
BVH	(80°-90°)	42.4	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1531.9	1531.9	1531.9	1531.9	1531.9	1531.9	1531.9	1531.9	1531.9	1531.9	1531.9
2.5°	1573.9	1580.9	1586.4	1589.2	1579.5	1578.1	1571.1	1558.5	1554.3	1550.1	1540.3
5°	1622.8	1632.6	1638.2	1634.0	1629.8	1620.0	1604.6	1585.0	1582.3	1571.1	1548.7
7.5°	1677.3	1680.1	1689.9	1687.1	1680.1	1660.5	1642.4	1610.2	1606.0	1589.2	1562.7
10°	1723.4	1731.8	1737.4	1734.6	1729.0	1712.2	1687.1	1657.7	1645.1	1617.2	1583.6
12.5°	1764.0	1766.8	1776.5	1779.3	1773.7	1759.8	1736.0	1696.9	1688.5	1653.5	1597.6
15°	1797.5	1796.1	1812.9	1815.7	1818.5	1804.5	1784.9	1740.2	1726.2	1687.1	1621.4
17.5°	1825.5	1825.5	1838.0	1847.8	1854.8	1850.6	1835.2	1782.1	1768.2	1720.6	1641.0
20°	1854.8	1856.2	1870.2	1880.0	1893.9	1899.5	1884.2	1838.0	1819.9	1761.2	1667.5
22.5°	1920.5	1923.3	1927.5	1931.7	1942.9	1951.3	1947.1	1892.6	1884.2	1814.3	1696.9
25°	2072.9	2063.1	2057.5	2018.3	2005.8	2008.6	2010.0	1963.8	1944.3	1870.2	1730.4
27.5°	2274.1	2263.0	2246.2	2170.7	2113.4	2081.2	2072.9	2023.9	2003.0	1919.1	1770.9
30°	2506.2	2510.4	2483.8	2390.1	2250.4	2163.7	2133.0	2084.0	2061.7	1966.6	1798.9
32.5°	2742.4	2756.4	2729.8	2616.6	2434.9	2267.1	2211.2	2151.1	2128.8	2022.5	1833.8
35°	2959.0	2947.9	2938.1	2822.1	2599.8	2392.9	2302.1	2239.2	2212.6	2103.6	1899.5
37.5°	3093.2	3129.6	3119.8	2987.0	2734.0	2510.4	2415.3	2335.6	2311.9	2191.7	1966.6
40°	3346.2	3335.0	3330.8	3147.7	2837.4	2602.6	2520.1	2455.8	2429.3	2297.9	2040.7
42.5°	3548.9	3579.6	3509.7	3280.5	2960.4	2704.6	2629.2	2571.9	2541.1	2392.9	2093.8
45°	3597.8	3582.4	3560.1	3346.2	3132.4	2802.5	2746.6	2713.0	2680.9	2514.5	2181.9
47.5°	3610.4	3582.4	3529.3	3395.1	3260.9	2912.9	2873.8	2885.0	2854.2	2672.5	2303.5
50°	3532.1	3505.6	3498.6	3417.5	3335.0	3024.7	3019.1	3079.2	3068.1	2850.0	2423.7
52.5°	3346.2	3349.0	3386.7	3389.5	3298.7	3112.8	3188.3	3312.7	3298.7	3037.3	2550.9
55°	3010.7	3031.7	3177.1	3274.9	3252.6	3174.3	3383.9	3585.2	3575.4	3258.2	2685.1
57.5°	2699.1	2711.6	2829.0	3101.6	3167.3	3234.4	3572.6	3874.6	3841.0	3495.8	2824.8
60°	2292.3	2321.7	2497.8	2850.0	3047.1	3284.7	3768.3	4162.5	4144.3	3733.4	2960.4
62.5°	1884.2	1859.0	2114.8	2504.8	2869.6	3297.3	3931.9	4401.5	4398.7	3959.8	3073.6
65°	1406.1	1413.1	1762.6	2173.5	2609.6	3235.8	4033.9	4618.2	4627.9	4159.7	3158.9
67.5°	964.4	960.3	1355.8	1790.5	2269.9	3072.3	4022.7	4734.2	4748.2	4260.3	3165.9
68°	890.4	894.6	1267.8	1712.2	2172.1	3014.9	3996.2	4744.0	4762.1	4257.5	3151.9
70°	682.1	676.5	992.4	1369.8	1815.7	2753.6	3848.0	4681.1	4723.0	4224.0	3045.7
72.5°	492.0	507.4	736.6	1014.8	1319.5	2205.6	3507.0	4356.8	4419.7	3940.3	2746.6
75°	378.8	385.8	510.2	712.9	901.5	1585.0	2883.6	3590.8	3671.9	3314.1	2221.0
77.5°	286.5	289.3	329.9	483.6	599.6	978.4	1962.4	2611.0	2682.3	2488.0	1696.9
80°	169.1	167.7	183.1	285.1	373.2	560.5	1111.2	1684.3	1741.6	1737.4	1224.4
82.5°	102.0	104.8	104.8	146.8	191.5	297.7	570.3	1002.2	1107.0	1136.4	835.9
85°	36.3	37.7	40.5	53.1	68.5	107.6	177.5	280.9	314.5	346.6	216.7
87.5°	1.4	1.4	1.4	2.8	4.2	9.8	18.2	12.6	12.6	14.0	8.4
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°	1531.9	1531.9	1531.9	1531.9	1531.9	1531.9	1531.9	1531.9	1531.9	1531.9	1531.9
2.5°	1536.1	1529.1	1515.2	1506.8	1502.6	1494.2	1483.0	1478.8	1471.8	1466.2	1464.8
5°	1538.9	1524.9	1505.4	1483.0	1470.4	1450.9	1441.1	1432.7	1415.9	1410.3	1404.7
7.5°	1548.7	1530.5	1497.0	1460.6	1435.5	1413.1	1393.6	1371.2	1358.6	1354.4	1350.2
10°	1558.5	1536.1	1481.6	1439.7	1403.3	1372.6	1350.2	1323.7	1316.7	1304.1	1301.3
12.5°	1571.1	1540.3	1474.6	1418.7	1371.2	1333.5	1304.1	1280.3	1263.6	1258.0	1263.6
15°	1583.6	1541.7	1463.4	1395.0	1339.0	1295.7	1263.6	1241.2	1225.8	1214.6	1211.8
17.5°	1593.4	1548.7	1450.9	1371.2	1304.1	1256.6	1217.4	1199.3	1185.3	1178.3	1181.1
20°	1607.4	1554.3	1436.9	1341.8	1269.2	1217.4	1182.5	1161.5	1148.9	1148.9	1142.0
22.5°	1632.6	1562.7	1428.5	1318.1	1238.4	1182.5	1147.6	1129.4	1115.4	1123.8	1125.2
25°	1654.9	1571.1	1413.1	1287.3	1200.7	1143.4	1114.0	1098.6	1097.2	1102.8	1108.4
27.5°	1674.5	1575.3	1395.0	1248.2	1150.3	1100.0	1079.1	1074.9	1079.1	1083.3	1093.0
30°	1691.3	1582.3	1369.8	1206.3	1098.6	1051.1	1042.7	1053.9	1060.9	1067.9	1074.9
32.5°	1719.2	1590.6	1344.6	1158.7	1046.9	1003.6	1014.8	1037.1	1048.3	1053.9	1065.1
35°	1764.0	1618.6	1329.3	1112.6	989.6	958.9	989.6	1021.8	1027.3	1030.1	1038.5
37.5°	1817.1	1654.9	1320.9	1069.3	933.7	921.1	963.0	1000.8	999.4	996.6	1007.8
40°	1870.2	1682.9	1308.3	1024.5	884.8	877.8	928.1	963.0	957.5	946.3	951.9
42.5°	1902.3	1688.5	1280.3	984.0	840.0	837.3	880.6	909.9	900.1	901.5	909.9
45°	1962.4	1710.8	1251.0	947.7	799.5	788.3	819.1	847.0	865.2	883.4	894.6
47.5°	2039.3	1744.4	1225.8	905.7	764.6	733.8	752.0	800.9	827.5	844.2	845.6
50°	2124.6	1786.3	1202.1	865.2	728.2	675.1	686.3	739.4	759.0	770.2	774.4
52.5°	2212.6	1825.5	1182.5	826.1	690.5	612.2	631.8	684.9	701.7	705.9	705.9
55°	2290.9	1860.4	1161.5	792.5	644.4	556.3	577.3	631.8	647.2	654.1	661.1
57.5°	2384.6	1898.1	1153.1	761.8	595.4	514.4	522.8	581.5	598.2	602.4	606.6
60°	2460.0	1938.7	1146.2	733.8	546.5	466.8	479.4	528.3	552.1	553.5	556.3
62.5°	2524.3	1968.0	1140.6	696.1	504.6	426.3	430.5	482.2	504.6	510.2	515.8
65°	2556.5	1975.0	1118.2	651.4	461.3	388.6	388.6	436.1	464.1	473.8	479.4
67.5°	2539.7	1956.8	1065.1	592.6	420.7	353.6	348.0	391.4	412.3	420.7	422.1
68°	2532.7	1948.5	1046.9	580.1	415.1	345.2	341.1	378.8	399.8	402.6	403.9
70°	2436.3	1880.0	965.8	533.9	383.0	318.7	310.3	342.4	363.4	343.8	343.8
72.5°	2172.1	1653.5	816.3	464.1	339.7	282.3	265.6	294.9	294.9	292.1	287.9
75°	1784.9	1304.1	645.8	381.6	293.5	241.8	229.2	236.2	233.4	243.2	237.6
77.5°	1348.8	957.5	492.0	296.3	233.4	195.7	180.3	173.3	171.9	167.7	159.3
80°	935.1	658.3	348.0	225.0	169.1	137.0	134.2	121.6	117.4	79.7	54.5
82.5°	627.6	437.5	237.6	149.6	107.6	85.3	72.7	74.1	64.3	23.8	1.4
85°	169.1	131.4	96.4	57.3	43.3	32.1	25.2	28.0	25.2	9.8	1.4
87.5°	7.0	5.6	7.0	7.0	4.2	2.8	1.4	1.4	1.4	1.4	1.4
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)