

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: P1503123

Luminaire Tested: PRV-P-90-8540-U-T4RE

Issue Date: 07/22/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503123
Test Lab: INNOVATION CENTER(G3)
Issue Date: 7/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-90-8540-U-T4RE
Description: PREVAIL PETITE DISCRETE LED 2 SQUARES 90W 85CRI 4000k FIXTURE w/ TYPE IV
ROADWAY ILLUMINANCE DISTRIBUTION OPTIC
Light Source: (20) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

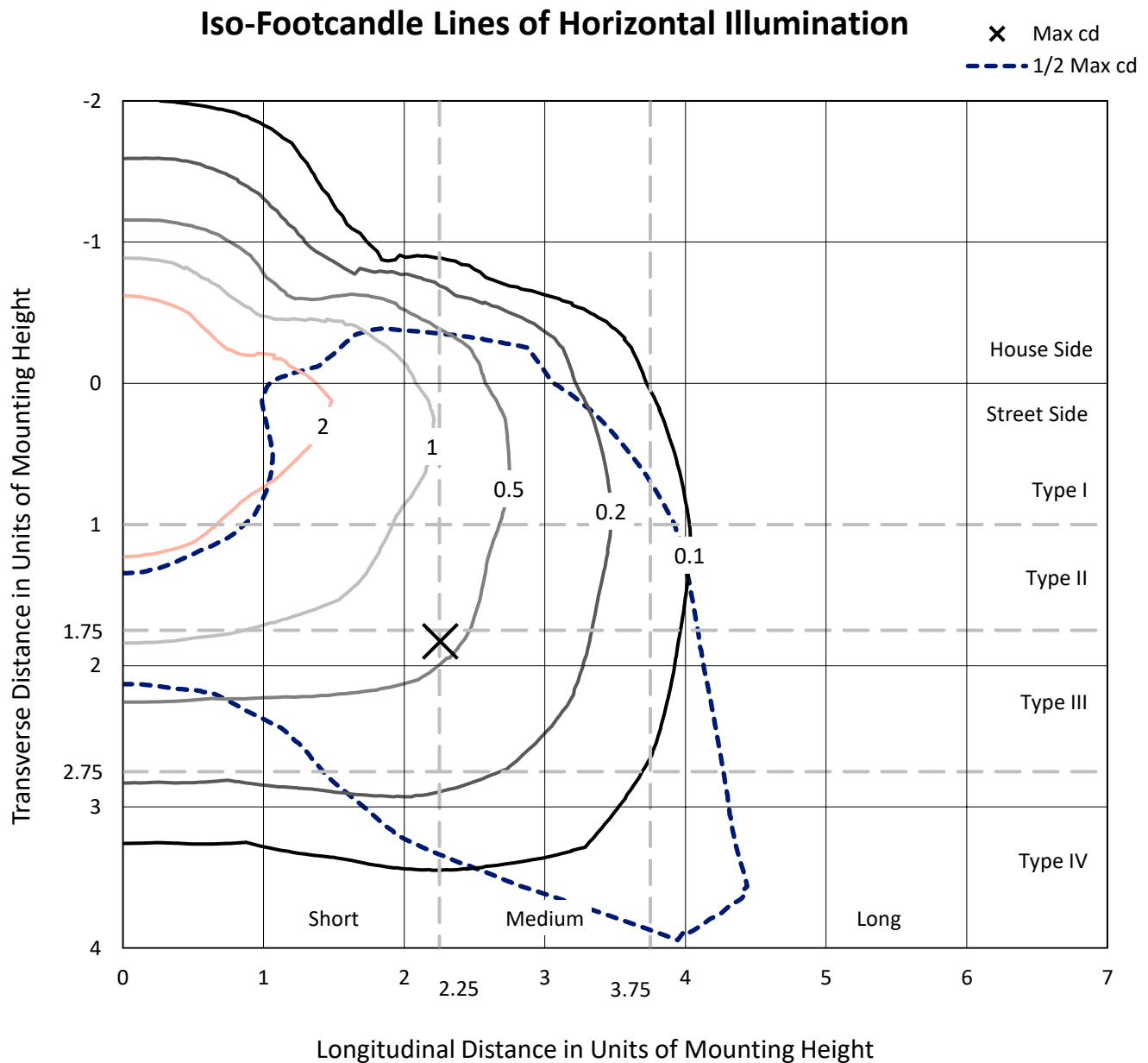
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10999.6 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 94.5
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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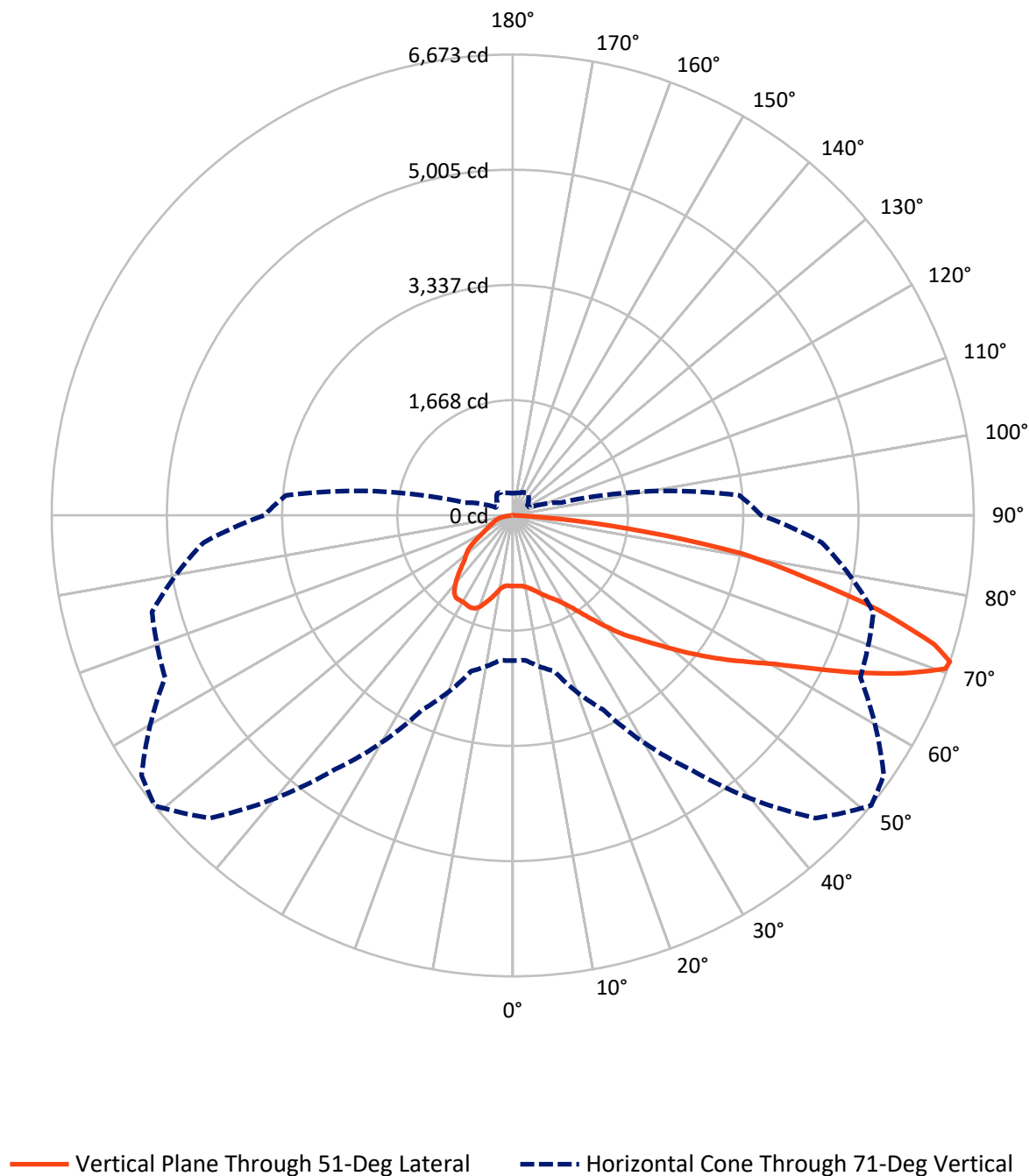


Based on 20 foot mounting height. Maximum calculated value = 3 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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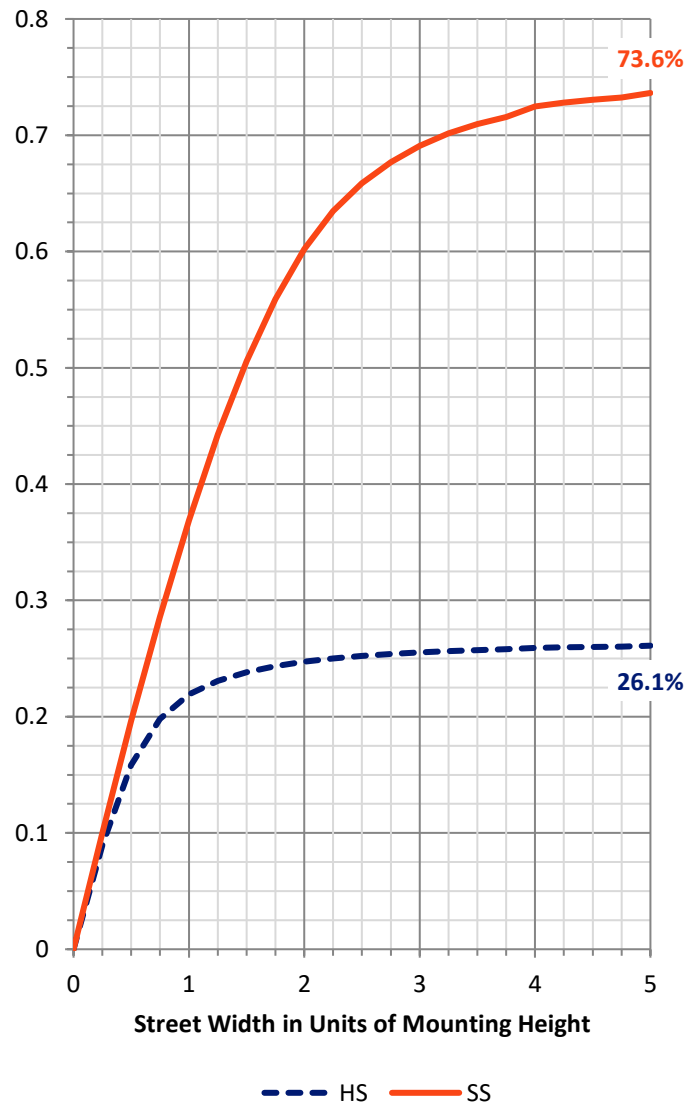
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2888.3	0.0	2888.3
	% Fixture	26.3	0.0	26.3
Street Side	Lumens	8111.4	0.0	8111.4
	% Fixture	73.7	0.0	73.7
Total	Lumens	10999.6	0.0	10999.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.6	0.9
10°-20°	339.7	3.1
20°-30°	645.9	5.9
30°-40°	1029.8	9.4
40°-50°	1604.0	14.6
50°-60°	2248.9	20.4
60°-70°	2850.1	25.9
70°-80°	1939.8	17.6
80°-90°	241.9	2.2
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°	10999.6	100.0
0°-180°	10999.6	100.0

Coefficient of Utilization



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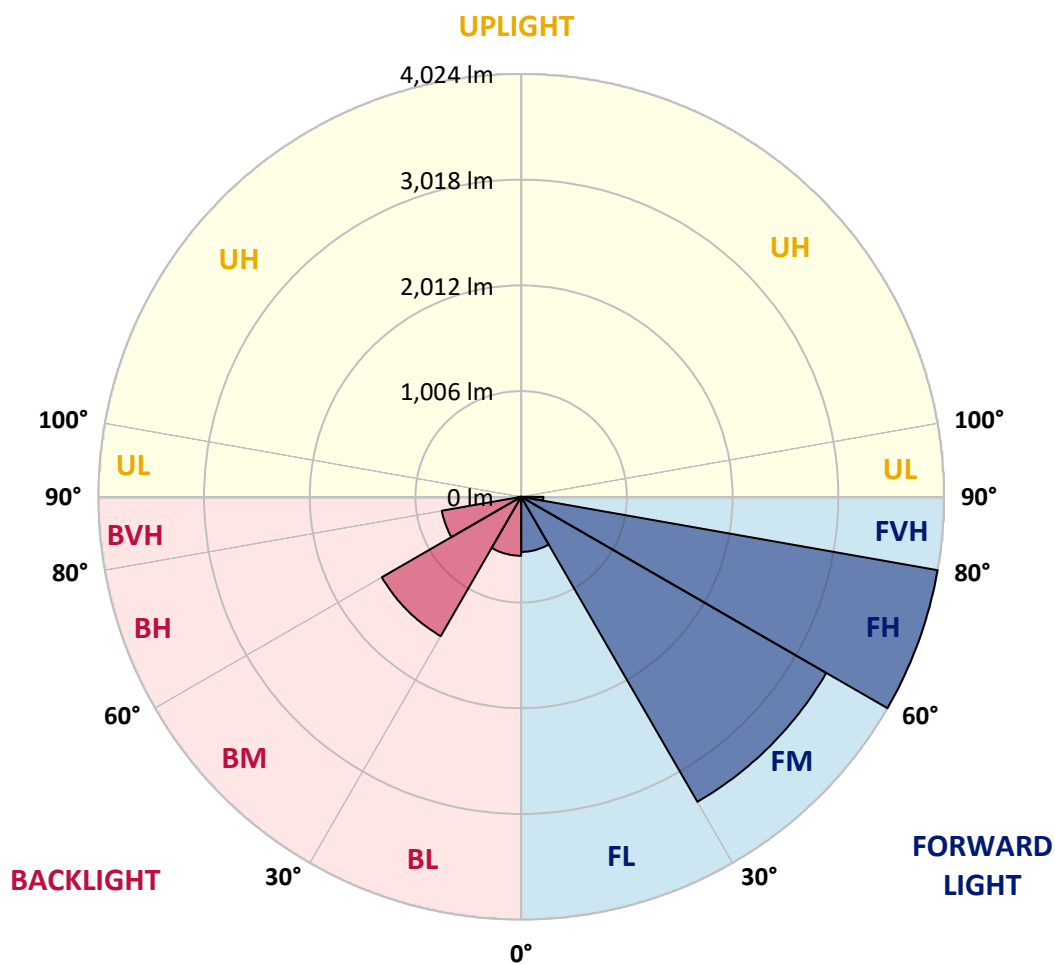
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	524.1	4.8			
FM	(30°-60°)	3351.9	30.5			
FH	(60°-80°)	4024.2	36.6			G2/5000
FVH	(80°-90°)	211.2	1.9			G2/225
BL	(0°-30°)	561.1	5.1	B2/1000		
BM	(30°-60°)	1530.8	13.9	B2/2500		
BH	(60°-80°)	765.7	7.0	B2/1000		G2/1000
BVH	(80°-90°)	30.7	0.3			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 IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1
2.5°	1024.1	1021.8	1024.1	1028.8	1028.8	1024.1	1024.1	1024.1	1021.8	1024.1	1026.5
5°	1031.2	1031.2	1031.2	1035.9	1033.5	1026.5	1026.5	1026.5	1024.1	1024.1	1026.5
7.5°	1059.4	1057.0	1057.0	1052.3	1045.3	1038.2	1033.5	1033.5	1028.8	1028.8	1031.2
10°	1106.3	1101.6	1094.6	1087.5	1075.8	1061.7	1052.3	1047.6	1040.6	1038.2	1042.9
12.5°	1148.6	1148.6	1139.2	1129.8	1115.7	1096.9	1080.5	1075.8	1061.7	1057.0	1066.4
15°	1183.9	1183.9	1179.2	1169.8	1158.0	1139.2	1120.4	1113.4	1096.9	1087.5	1101.6
17.5°	1205.0	1205.0	1202.6	1202.6	1197.9	1179.2	1165.1	1158.0	1136.9	1127.5	1148.6
20°	1230.8	1233.2	1233.2	1235.5	1235.5	1226.1	1219.1	1212.0	1190.9	1183.9	1205.0
22.5°	1270.8	1270.8	1270.8	1277.8	1275.5	1275.5	1273.1	1266.1	1252.0	1240.2	1266.1
25°	1320.1	1320.1	1317.7	1329.5	1331.8	1334.2	1334.2	1331.8	1324.8	1306.0	1341.2
27.5°	1402.3	1404.7	1397.6	1395.3	1395.3	1404.7	1397.6	1407.0	1402.3	1395.3	1442.2
30°	1515.1	1505.7	1498.6	1486.9	1482.2	1489.2	1486.9	1489.2	1489.2	1489.2	1573.8
32.5°	1646.6	1639.5	1632.5	1611.4	1597.3	1597.3	1602.0	1604.3	1604.3	1618.4	1721.8
35°	1818.1	1811.0	1808.7	1782.8	1752.3	1747.6	1757.0	1761.7	1780.5	1825.1	1930.8
37.5°	2001.3	2001.3	1996.6	1977.8	1935.5	1921.4	1933.2	1951.9	1996.6	2114.0	2217.4
40°	2240.9	2229.1	2215.0	2189.2	2125.8	2118.7	2135.2	2158.7	2240.9	2466.4	2640.2
42.5°	2482.8	2478.1	2473.4	2459.3	2353.6	2332.5	2358.3	2381.8	2525.1	2844.5	3020.7
45°	2694.2	2710.6	2684.8	2666.0	2550.9	2520.4	2555.6	2600.3	2821.0	3154.6	3394.2
47.5°	2952.6	2940.8	2908.0	2882.1	2776.4	2741.2	2781.1	2849.2	3095.9	3436.5	3708.9
50°	3142.8	3142.8	3121.7	3124.1	3016.0	3006.6	3055.9	3138.2	3349.6	3734.8	4021.3
52.5°	3269.7	3265.0	3288.5	3323.7	3265.0	3283.8	3351.9	3424.7	3617.3	3983.8	4265.6
55°	3405.9	3408.3	3441.2	3506.9	3521.0	3565.7	3671.4	3737.1	3885.1	4253.9	4512.3
57.5°	3537.5	3544.5	3626.7	3708.9	3758.3	3878.1	3995.5	4056.6	4152.9	4535.8	4796.5
60°	3662.0	3669.0	3760.6	3967.3	4094.2	4284.4	4364.3	4408.9	4444.1	4895.1	5275.7
62.5°	3671.4	3673.7	3828.7	4176.4	4467.6	4787.1	4876.4	4881.0	4867.0	5480.0	5811.2
65°	3302.6	3312.0	3577.4	4169.3	4827.0	5397.8	5487.1	5437.7	5357.9	5963.9	5869.9
67.5°	2628.4	2698.9	2952.6	3777.1	4916.3	5968.6	6100.1	6050.8	5710.2	5963.9	5536.4
70°	2222.1	2250.3	2466.4	3232.1	4657.9	6238.7	6645.1	6544.1	5698.5	5660.9	4845.8
71°	2102.3	2104.6	2334.8	3105.3	4491.1	6198.8	6673.3	6558.2	5552.8	5404.9	4488.8
72.5°	1731.2	1742.9	2034.2	2931.4	4378.4	5949.8	6379.7	6292.7	5212.2	4935.1	3871.0
75°	880.8	904.3	1235.5	2245.6	3986.1	5216.9	5463.6	5496.5	4535.8	3972.0	2849.2
77.5°	314.8	326.5	486.2	1207.3	2795.2	4458.2	4345.5	4258.6	3354.3	2682.5	1651.3
80°	166.8	166.8	187.9	357.0	1395.3	3234.5	3375.4	2910.3	1933.2	1289.6	714.1
82.5°	117.4	122.1	129.2	150.3	472.1	1822.8	1916.7	1731.2	817.4	436.9	164.4
85°	58.7	58.7	65.8	72.8	96.3	535.6	683.5	570.8	218.4	108.1	61.1
87.5°	2.3	2.3	2.3	4.7	9.4	18.8	23.5	16.4	11.7	7.0	4.7
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°	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1
2.5°	1024.1	1024.1	1024.1	1024.1	1024.1	1021.8	1021.8	1019.4	1021.8	1026.5	1024.1
5°	1024.1	1026.5	1024.1	1024.1	1021.8	1017.1	1014.7	1019.4	1024.1	1024.1	1026.5
7.5°	1031.2	1033.5	1031.2	1028.8	1033.5	1035.9	1040.6	1052.3	1059.4	1068.8	1068.8
10°	1045.3	1047.6	1050.0	1054.7	1068.8	1089.9	1111.0	1127.5	1141.6	1151.0	1143.9
12.5°	1068.8	1078.2	1089.9	1108.7	1143.9	1169.8	1186.2	1212.0	1233.2	1230.8	1242.6
15°	1113.4	1122.8	1148.6	1186.2	1223.8	1249.6	1277.8	1308.3	1322.4	1331.8	1331.8
17.5°	1165.1	1181.5	1228.5	1273.1	1303.6	1334.2	1360.0	1376.5	1381.2	1383.5	1385.9
20°	1223.8	1252.0	1320.1	1360.0	1392.9	1411.7	1409.3	1407.0	1397.6	1395.3	1402.3
22.5°	1301.3	1343.6	1411.7	1444.6	1456.3	1446.9	1423.4	1404.7	1390.6	1388.2	1390.6
25°	1392.9	1449.3	1510.4	1508.0	1482.2	1444.6	1418.7	1407.0	1395.3	1395.3	1400.0
27.5°	1501.0	1557.3	1597.3	1538.5	1472.8	1435.2	1428.1	1428.1	1409.3	1402.3	1407.0
30°	1627.8	1674.8	1660.7	1526.8	1444.6	1444.6	1442.2	1423.4	1385.9	1367.1	1369.4
32.5°	1773.4	1794.6	1693.6	1486.9	1442.2	1454.0	1418.7	1360.0	1306.0	1284.9	1289.6
35°	1951.9	1937.9	1700.6	1463.4	1463.4	1425.8	1334.2	1263.7	1212.0	1183.9	1179.2
37.5°	2193.9	2095.2	1693.6	1479.8	1458.7	1327.1	1216.7	1155.7	1101.6	1064.1	1066.4
40°	2541.5	2290.2	1705.3	1510.4	1378.8	1207.3	1108.7	1057.0	1024.1	986.5	988.9
42.5°	2900.9	2536.8	1794.6	1515.1	1254.3	1094.6	1028.8	1010.0	974.8	937.2	930.2
45°	3196.9	2760.0	2024.8	1446.9	1115.7	1000.6	988.9	967.8	918.4	862.1	857.4
47.5°	3460.0	2926.7	2316.0	1303.6	960.7	953.7	946.6	906.7	843.3	777.5	772.8
50°	3664.3	3060.6	2536.8	1146.3	871.4	913.7	880.8	815.1	732.9	669.4	662.4
52.5°	3831.1	3180.4	2661.3	981.8	812.7	840.9	775.1	707.0	657.7	610.7	606.0
55°	3988.5	3344.9	2741.2	859.7	725.8	721.1	662.4	636.6	610.7	568.4	559.0
57.5°	4199.9	3596.2	2896.2	826.8	615.4	589.6	591.9	589.6	575.5	542.6	535.6
60°	4606.2	4049.5	3055.9	765.7	500.3	495.6	554.3	561.4	540.3	502.7	495.6
62.5°	4944.5	4430.1	2785.8	563.7	422.8	446.3	516.8	528.5	490.9	467.4	460.4
65°	4892.8	4484.1	2085.8	389.9	366.4	408.7	481.5	481.5	446.3	434.5	425.2
67.5°	4512.3	4145.8	1454.0	321.8	317.1	373.5	446.3	434.5	401.7	392.3	387.6
70°	3903.9	3542.2	946.6	286.6	277.2	342.9	404.0	385.2	354.7	342.9	342.9
71°	3596.2	3297.9	716.4	272.5	263.1	328.8	389.9	368.8	335.9	324.2	321.8
72.5°	3131.1	2764.7	488.6	253.7	249.0	310.1	364.1	345.3	310.1	291.3	284.2
75°	2276.1	1900.3	241.9	216.1	223.1	281.9	310.1	300.7	288.9	249.0	244.3
77.5°	1322.4	1099.3	178.5	180.9	195.0	244.3	258.4	239.6	209.1	171.5	164.4
80°	568.4	446.3	143.3	148.0	162.1	192.6	192.6	169.1	119.8	79.9	77.5
82.5°	138.6	133.9	110.4	110.4	108.1	115.1	117.4	91.6	58.7	23.5	4.7
85°	49.3	51.7	47.0	44.6	49.3	44.6	37.6	16.4	9.4	4.7	0.0
87.5°	4.7	4.7	4.7	2.3	2.3	2.3	2.3	2.3	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)