

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: P1503122

Luminaire Tested: PRV-P-70-8540-U-T4RE

Issue Date: 07/22/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503122
Test Lab: INNOVATION CENTER(G3)
Issue Date: 7/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-70-8540-U-T4RE
Description: PREVAIL PETITE DISCRETE LED 2 SQUARES 70W 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: 9280.3 lumens
Efficiency: N/A
Efficacy: 125.4 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

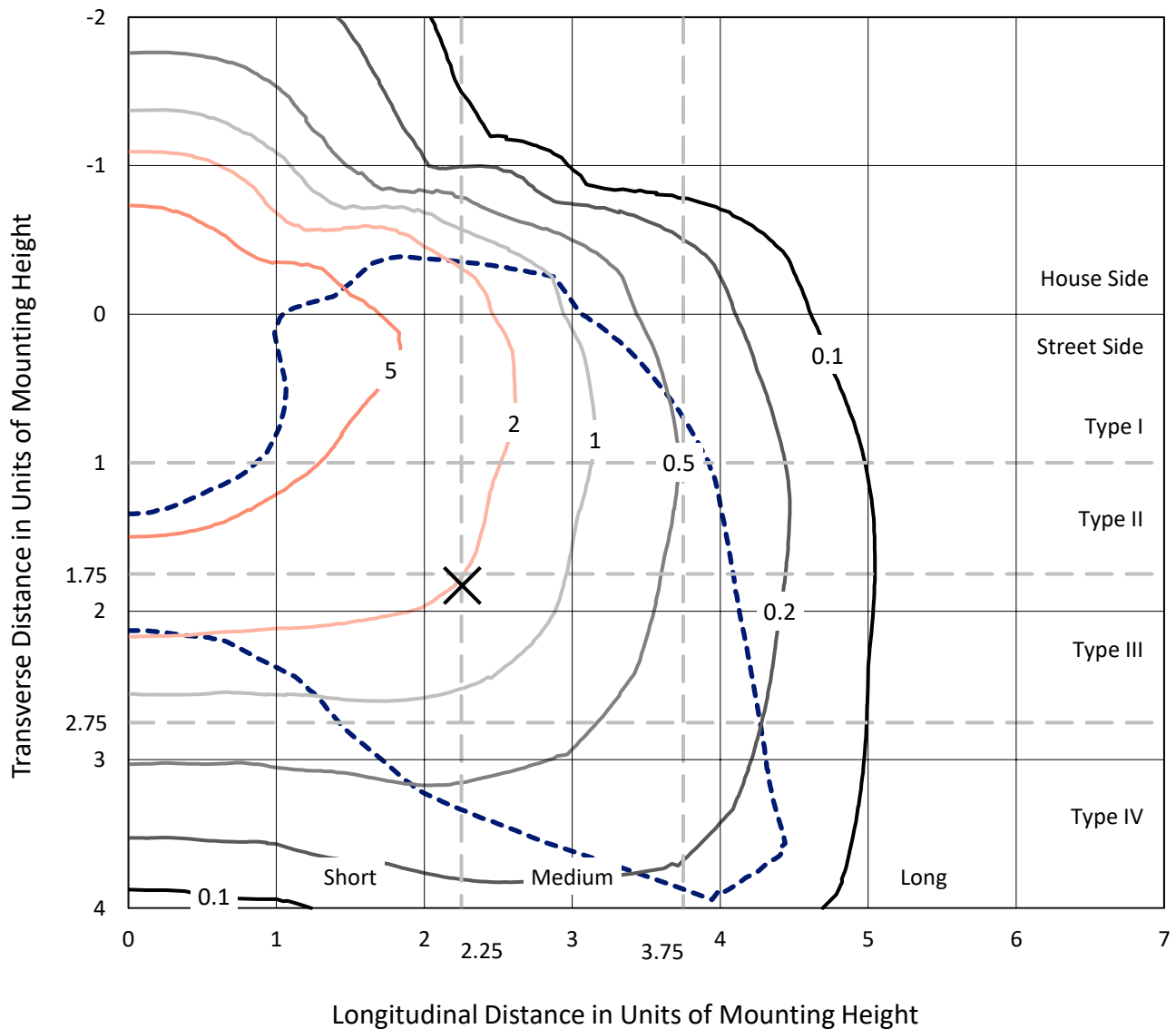
Input Watts (W): 74
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 8.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

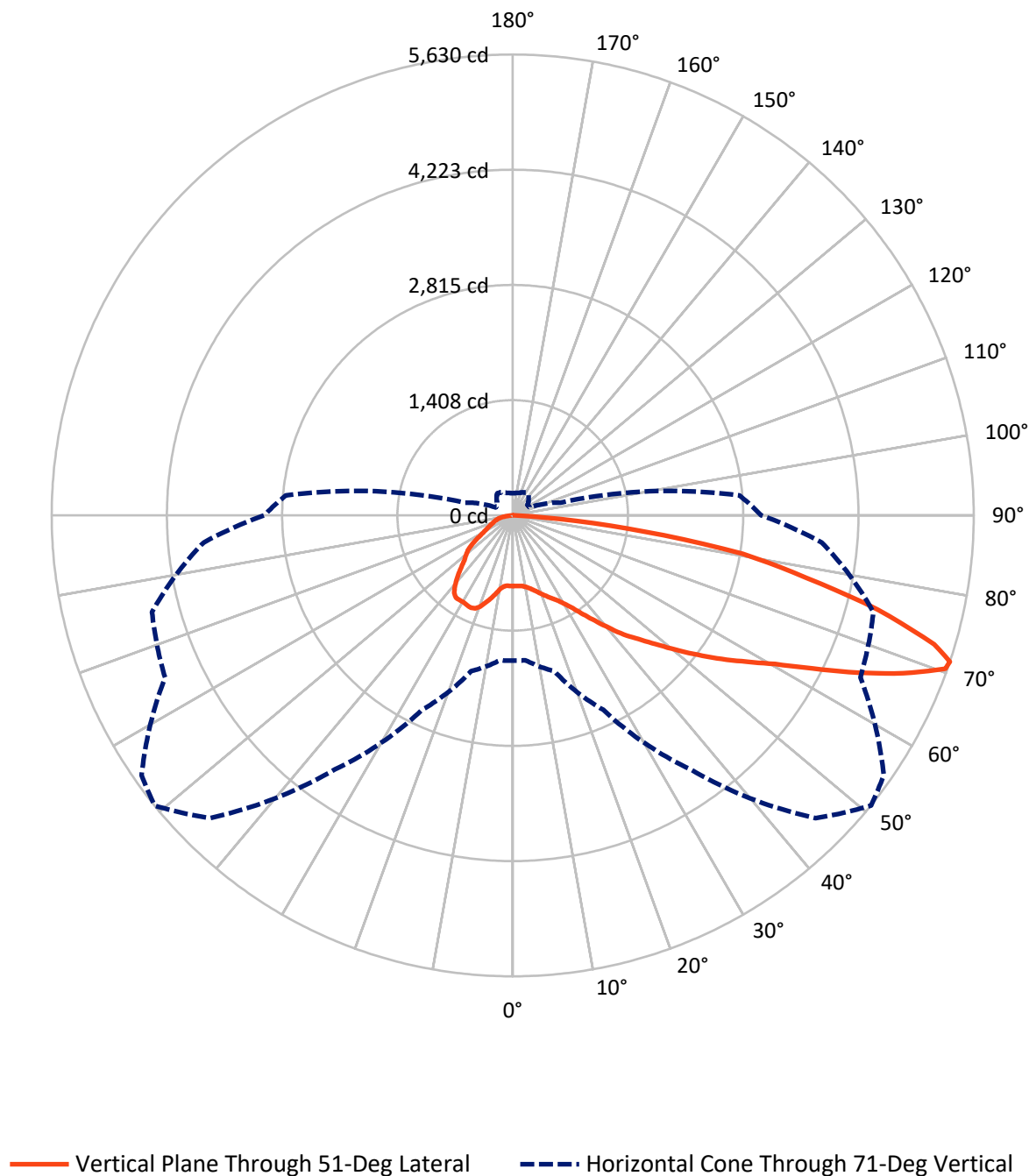


Based on 10 foot mounting height. Maximum calculated value = 10 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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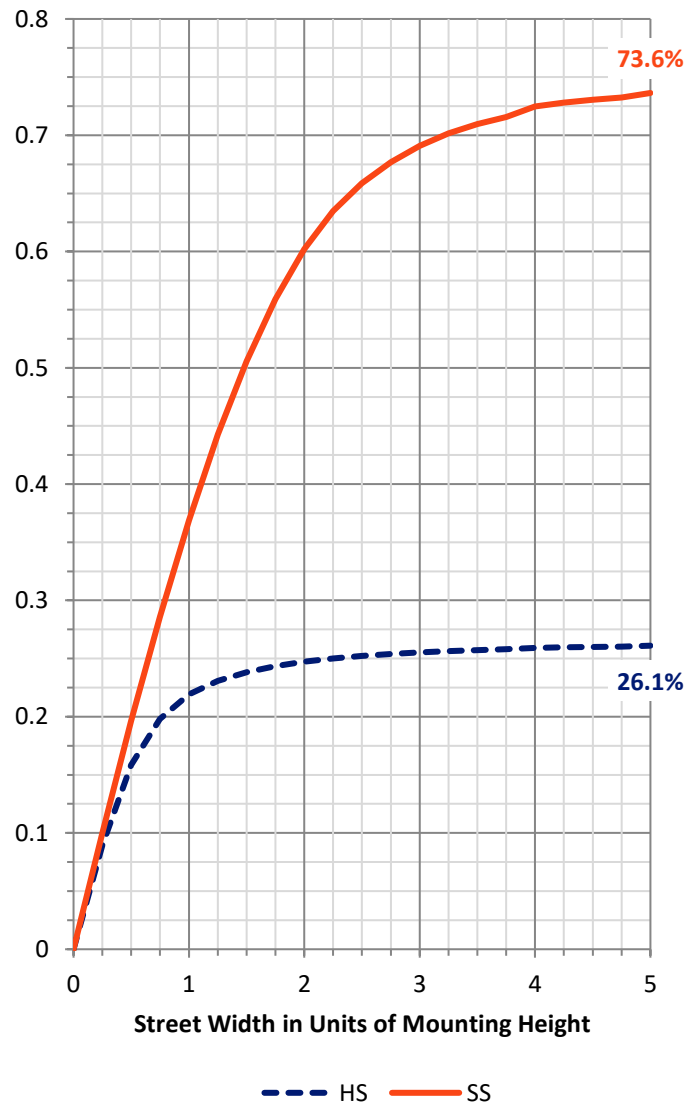
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2436.8	0.0	2436.8
	% Fixture	26.3	0.0	26.3
Street Side	Lumens	6843.5	0.0	6843.5
	% Fixture	73.7	0.0	73.7
Total	Lumens	9280.3	0.0	9280.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.0	0.9
10°-20°	286.6	3.1
20°-30°	545.0	5.9
30°-40°	868.8	9.4
40°-50°	1353.3	14.6
50°-60°	1897.4	20.4
60°-70°	2404.6	25.9
70°-80°	1636.6	17.6
80°-90°	204.1	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°	9280.3	100.0
0°-180°	9280.3	100.0

Coefficient of Utilization



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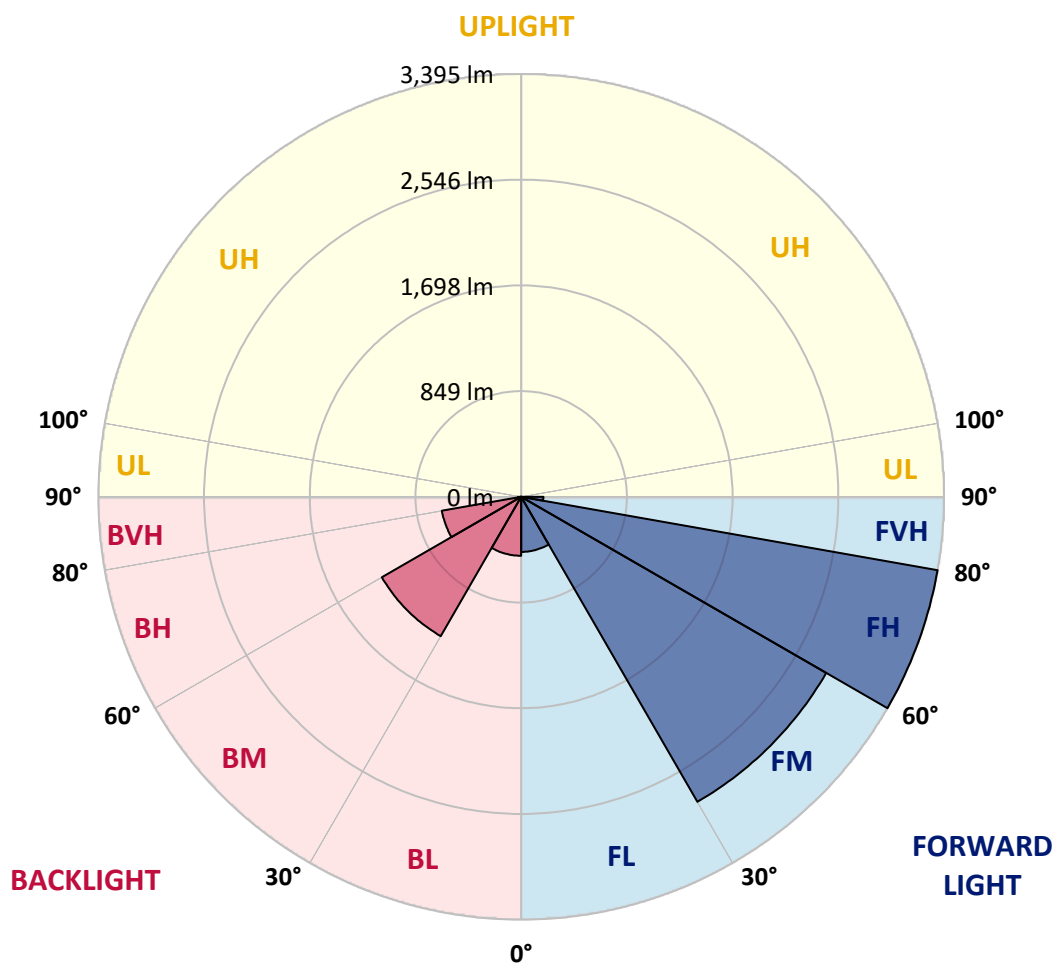
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	442.2	4.8			
FM	(30°-60°)	2827.9	30.5			
FH	(60°-80°)	3395.2	36.6			G2/5000
FVH	(80°-90°)	178.2	1.9			G2/225
BL	(0°-30°)	473.4	5.1	B1/500		
BM	(30°-60°)	1291.5	13.9	B2/2500		
BH	(60°-80°)	646.0	7.0	B2/1000		G2/1000
BVH	(80°-90°)	25.9	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°	864.1	864.1	864.1	864.1	864.1	864.1	864.1	864.1	864.1	864.1	864.1
2.5°	864.1	862.1	864.1	868.0	868.0	864.1	864.1	864.1	862.1	864.1	866.0
5°	870.0	870.0	870.0	874.0	872.0	866.0	866.0	866.0	864.1	864.1	866.0
7.5°	893.8	891.8	891.8	887.8	881.9	875.9	872.0	872.0	868.0	868.0	870.0
10°	933.4	929.4	923.5	917.6	907.6	895.8	887.8	883.9	877.9	875.9	879.9
12.5°	969.1	969.1	961.2	953.2	941.3	925.5	911.6	907.6	895.8	891.8	899.7
15°	998.8	998.8	994.8	986.9	977.0	961.2	945.3	939.4	925.5	917.6	929.4
17.5°	1016.6	1016.6	1014.7	1014.7	1010.7	994.8	983.0	977.0	959.2	951.2	969.1
20°	1038.4	1040.4	1040.4	1042.4	1042.4	1034.5	1028.5	1022.6	1004.8	998.8	1016.6
22.5°	1072.1	1072.1	1072.1	1078.1	1076.1	1076.1	1074.1	1068.2	1056.3	1046.4	1068.2
25°	1113.8	1113.8	1111.8	1121.7	1123.7	1125.6	1125.6	1123.7	1117.7	1101.9	1131.6
27.5°	1183.1	1185.1	1179.2	1177.2	1177.2	1185.1	1179.2	1187.1	1183.1	1177.2	1216.8
30°	1278.2	1270.3	1264.4	1254.5	1250.5	1256.4	1254.5	1256.4	1256.4	1256.4	1327.8
32.5°	1389.2	1383.3	1377.3	1359.5	1347.6	1347.6	1351.6	1353.5	1353.5	1365.4	1452.6
35°	1533.9	1527.9	1526.0	1504.2	1478.4	1474.4	1482.4	1486.3	1502.2	1539.8	1629.0
37.5°	1688.5	1688.5	1684.5	1668.6	1633.0	1621.1	1631.0	1646.8	1684.5	1783.6	1870.8
40°	1890.6	1880.7	1868.8	1847.0	1793.5	1787.6	1801.4	1821.2	1890.6	2080.9	2227.5
42.5°	2094.7	2090.8	2086.8	2074.9	1985.7	1967.9	1989.7	2009.5	2130.4	2399.9	2548.6
45°	2273.1	2287.0	2265.2	2249.3	2152.2	2126.4	2156.2	2193.8	2380.1	2661.5	2863.7
47.5°	2491.1	2481.2	2453.4	2431.6	2342.4	2312.7	2346.4	2403.9	2612.0	2899.3	3129.2
50°	2651.6	2651.6	2633.8	2635.7	2544.6	2536.7	2578.3	2647.6	2826.0	3151.0	3392.8
52.5°	2758.6	2754.7	2774.5	2804.2	2754.7	2770.5	2828.0	2889.4	3051.9	3361.1	3598.9
55°	2873.6	2875.5	2903.3	2958.8	2970.7	3008.3	3097.5	3153.0	3277.8	3589.0	3807.0
57.5°	2984.5	2990.5	3059.8	3129.2	3170.8	3271.9	3371.0	3422.5	3503.8	3826.8	4046.8
60°	3089.6	3095.5	3172.8	3347.2	3454.2	3614.7	3682.1	3719.8	3749.5	4130.0	4451.0
62.5°	3097.5	3099.5	3230.3	3523.6	3769.3	4038.8	4114.1	4118.1	4106.2	4623.5	4902.9
65°	2786.4	2794.3	3018.2	3517.6	4072.5	4554.1	4629.4	4587.8	4520.4	5031.7	4952.4
67.5°	2217.6	2277.0	2491.1	3186.7	4147.8	5035.7	5146.6	5105.0	4817.7	5031.7	4671.0
70°	1874.8	1898.5	2080.9	2726.9	3929.8	5263.6	5606.4	5521.2	4807.8	4776.1	4088.4
71°	1773.7	1775.7	1969.9	2619.9	3789.1	5229.9	5630.2	5533.1	4684.9	4560.0	3787.2
72.5°	1460.6	1470.5	1716.2	2473.2	3694.0	5019.8	5382.5	5309.2	4397.5	4163.7	3266.0
75°	743.2	763.0	1042.4	1894.6	3363.1	4401.5	4609.6	4637.3	3826.8	3351.2	2403.9
77.5°	265.6	275.5	410.2	1018.6	2358.3	3761.4	3666.3	3592.9	2830.0	2263.2	1393.2
80°	140.7	140.7	158.5	301.2	1177.2	2728.9	2847.8	2455.4	1631.0	1088.0	602.5
82.5°	99.1	103.1	109.0	126.8	398.3	1537.9	1617.1	1460.6	689.7	368.6	138.7
85°	49.5	49.5	55.5	61.4	81.3	451.8	576.7	481.6	184.3	91.2	51.5
87.5°	2.0	2.0	2.0	4.0	7.9	15.9	19.8	13.9	9.9	5.9	4.0
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°	864.1	864.1	864.1	864.1	864.1	864.1	864.1	864.1	864.1	864.1	864.1
2.5°	864.1	864.1	864.1	864.1	864.1	862.1	862.1	860.1	862.1	866.0	864.1
5°	864.1	866.0	864.1	864.1	862.1	858.1	856.1	860.1	864.1	864.1	866.0
7.5°	870.0	872.0	870.0	868.0	872.0	874.0	877.9	887.8	893.8	901.7	901.7
10°	881.9	883.9	885.8	889.8	901.7	919.5	937.4	951.2	963.1	971.1	965.1
12.5°	901.7	909.6	919.5	935.4	965.1	986.9	1000.8	1022.6	1040.4	1038.4	1048.4
15°	939.4	947.3	969.1	1000.8	1032.5	1054.3	1078.1	1103.8	1115.7	1123.7	1123.7
17.5°	983.0	996.8	1036.5	1074.1	1099.9	1125.6	1147.4	1161.3	1165.3	1167.3	1169.2
20°	1032.5	1056.3	1113.8	1147.4	1175.2	1191.0	1189.1	1187.1	1179.2	1177.2	1183.1
22.5°	1097.9	1133.6	1191.0	1218.8	1228.7	1220.8	1201.0	1185.1	1173.2	1171.2	1173.2
25°	1175.2	1222.7	1274.3	1272.3	1250.5	1218.8	1197.0	1187.1	1177.2	1177.2	1181.1
27.5°	1266.3	1313.9	1347.6	1298.1	1242.6	1210.9	1204.9	1204.9	1189.1	1183.1	1187.1
30°	1373.4	1413.0	1401.1	1288.1	1218.8	1218.8	1216.8	1201.0	1169.2	1153.4	1155.4
32.5°	1496.2	1514.1	1428.9	1254.5	1216.8	1226.7	1197.0	1147.4	1101.9	1084.0	1088.0
35°	1646.8	1635.0	1434.8	1234.6	1234.6	1202.9	1125.6	1066.2	1022.6	998.8	994.8
37.5°	1851.0	1767.7	1428.9	1248.5	1230.7	1119.7	1026.6	975.0	929.4	897.7	899.7
40°	2144.3	1932.2	1438.8	1274.3	1163.3	1018.6	935.4	891.8	864.1	832.3	834.3
42.5°	2447.5	2140.3	1514.1	1278.2	1058.3	923.5	868.0	852.2	822.4	790.7	784.8
45°	2697.2	2328.6	1708.3	1220.8	941.3	844.2	834.3	816.5	774.9	727.3	723.3
47.5°	2919.1	2469.3	1954.0	1099.9	810.5	804.6	798.7	765.0	711.5	656.0	652.0
50°	3091.6	2582.2	2140.3	967.1	735.2	770.9	743.2	687.7	618.3	564.8	558.9
52.5°	3232.3	2683.3	2245.3	828.4	685.7	709.5	654.0	596.5	554.9	515.3	511.3
55°	3365.0	2822.0	2312.7	725.3	612.4	608.4	558.9	537.1	515.3	479.6	471.7
57.5°	3543.4	3034.1	2443.5	697.6	519.2	497.4	499.4	497.4	485.5	457.8	451.8
60°	3886.2	3416.6	2578.3	646.1	422.1	418.2	467.7	473.6	455.8	424.1	418.2
62.5°	4171.6	3737.6	2350.4	475.6	356.7	376.5	436.0	445.9	414.2	394.4	388.4
65°	4128.0	3783.2	1759.8	329.0	309.2	344.8	406.3	406.3	376.5	366.6	358.7
67.5°	3807.0	3497.8	1226.7	271.5	267.5	315.1	376.5	366.6	338.9	331.0	327.0
70°	3293.7	2988.5	798.7	241.8	233.8	289.3	340.9	325.0	299.2	289.3	289.3
71°	3034.1	2782.4	604.4	229.9	222.0	277.4	329.0	311.1	283.4	273.5	271.5
72.5°	2641.7	2332.5	412.2	214.0	210.1	261.6	307.2	291.3	261.6	245.7	239.8
75°	1920.3	1603.2	204.1	182.3	188.3	237.8	261.6	253.7	243.8	210.1	206.1
77.5°	1115.7	927.5	150.6	152.6	164.5	206.1	218.0	202.1	176.4	144.7	138.7
80°	479.6	376.5	120.9	124.9	136.7	162.5	162.5	142.7	101.1	67.4	65.4
82.5°	116.9	113.0	93.1	93.1	91.2	97.1	99.1	77.3	49.5	19.8	4.0
85°	41.6	43.6	39.6	37.7	41.6	37.7	31.7	13.9	7.9	4.0	0.0
87.5°	4.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	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)