

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: P1461426

Luminaire Tested: USSL-70-8540-U-T2U-HSS

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461426
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-70-8540-U-T2U-HSS
Description: USSL DISCRETE LED 1 SQUARE 70W 85CRI 4000k FIXTURE w/ TYPE II URBAN
DISTRIBUTION OPTIC AND HOUSE SIDE SHIELD
Light Source: (40) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7123.3 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 73
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 2.73%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

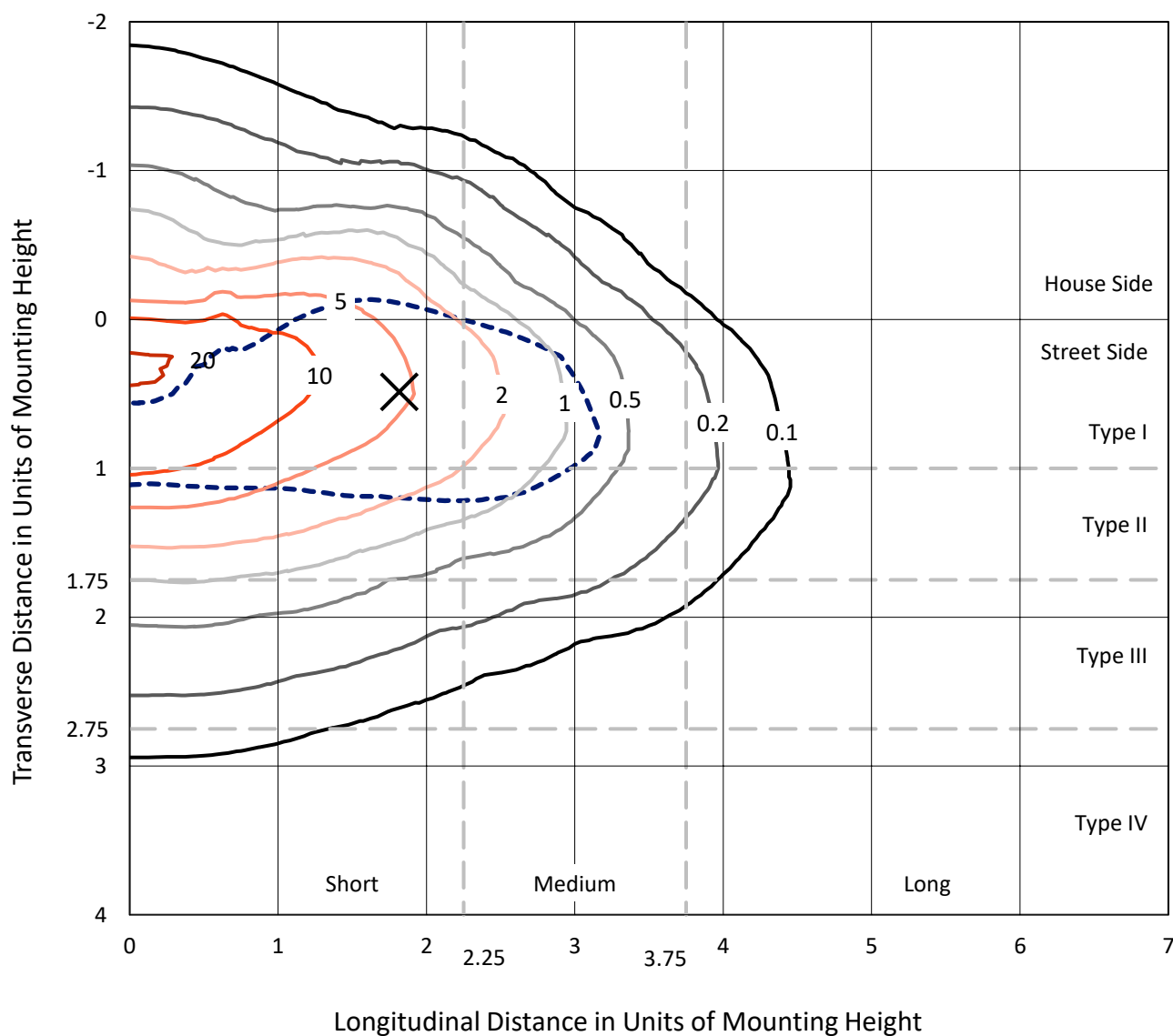
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



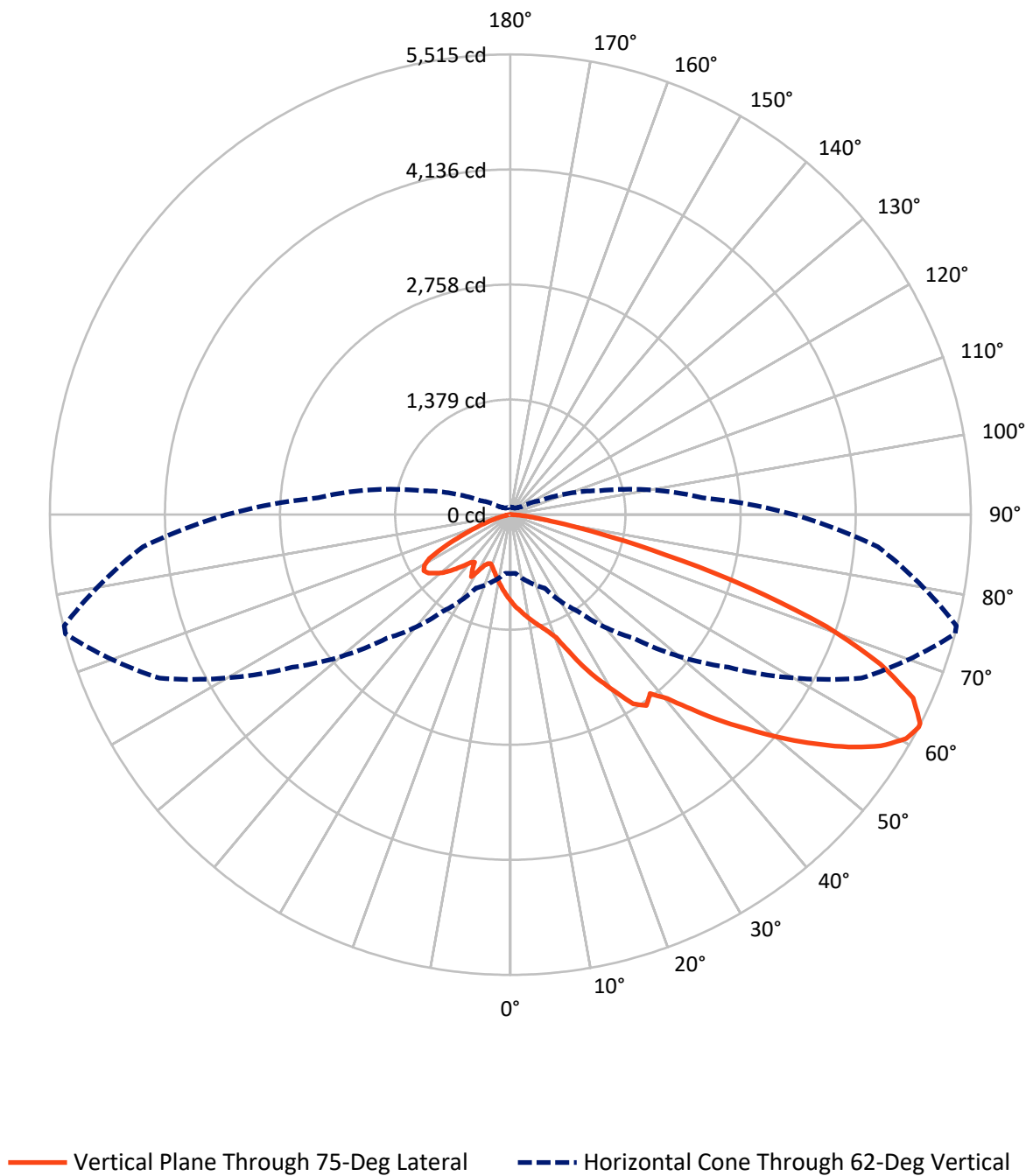
Based on 10 foot mounting height. Maximum calculated value = 21.7 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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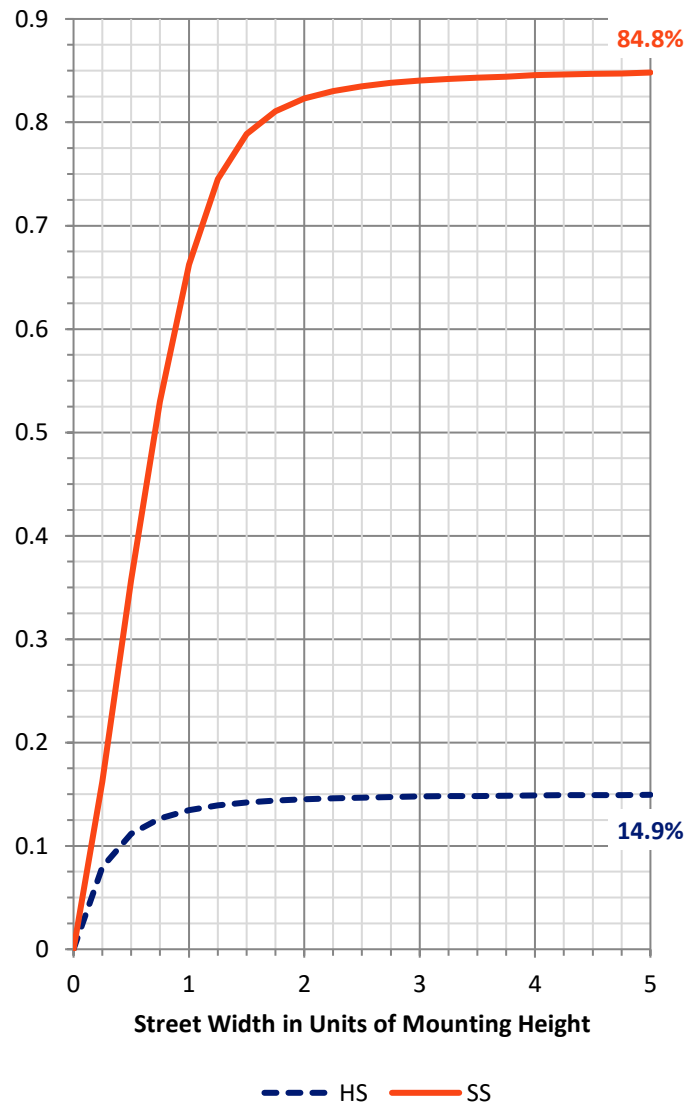
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1073.8	0.0	1073.8
	% Fixture	15.1	0.0	15.1
Street Side	Lumens	6049.5	0.0	6049.5
	% Fixture	84.9	0.0	84.9
Total	Lumens	7123.3	0.0	7123.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.2	1.4
10°-20°	344.9	4.8
20°-30°	652.7	9.2
30°-40°	1053.0	14.8
40°-50°	1465.0	20.6
50°-60°	1663.5	23.4
60°-70°	1305.0	18.3
70°-80°	474.9	6.7
80°-90°	62.0	0.9
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°	7123.3	100.0
0°-180°	7123.3	100.0

Coefficient of Utilization



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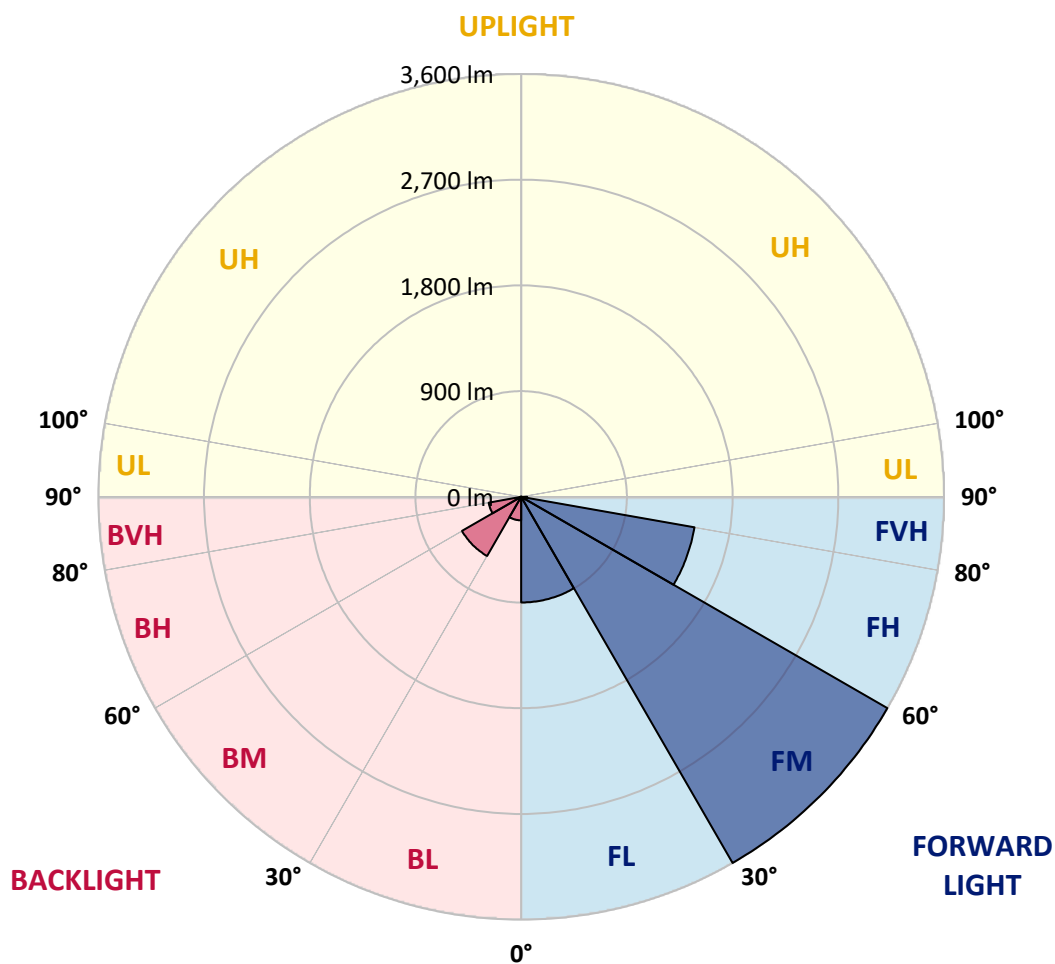
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	899.5	12.6			
FM	(30°-60°)	3600.4	50.5			
FH	(60°-80°)	1498.8	21.0			G1/1800
FVH	(80°-90°)	50.8	0.7			G1/100
BL	(0°-30°)	200.3	2.8	B1/500		
BM	(30°-60°)	581.2	8.2	B1/1000		
BH	(60°-80°)	281.1	3.9	B1/500		G1/500
BVH	(80°-90°)	11.2	0.2			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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1036.2	1036.2	1036.2	1036.2	1036.2	1036.2	1036.2	1036.2	1036.2	1036.2	1036.2
2.5°	1263.3	1258.5	1253.7	1244.0	1228.0	1194.6	1163.1	1134.5	1097.7	1090.0	1058.5
5°	1488.5	1491.9	1468.7	1452.7	1410.5	1355.3	1296.8	1226.1	1149.1	1143.3	1075.5
7.5°	1735.0	1735.5	1704.0	1671.5	1609.1	1521.0	1421.2	1319.5	1208.1	1195.1	1091.4
10°	1989.2	1968.4	1952.4	1904.5	1816.3	1691.9	1564.0	1418.8	1267.7	1248.8	1111.3
12.5°	2165.5	2158.2	2132.0	2077.3	1999.4	1874.9	1713.2	1519.5	1331.1	1306.0	1135.0
15°	2371.3	2348.0	2306.9	2246.8	2161.6	2032.8	1856.0	1634.7	1396.0	1370.4	1163.1
17.5°	2582.9	2559.1	2539.8	2477.8	2374.6	2196.9	2001.8	1761.6	1473.5	1439.6	1195.6
20°	2664.7	2655.0	2663.7	2655.0	2601.3	2474.4	2229.9	1908.3	1571.8	1532.1	1245.9
22.5°	2563.0	2556.7	2590.1	2632.3	2663.7	2655.5	2510.7	2204.2	1767.4	1714.6	1344.2
25°	2541.7	2541.2	2559.6	2583.3	2586.2	2610.5	2618.2	2447.3	2003.2	1942.7	1500.6
27.5°	2624.5	2606.6	2616.8	2650.7	2655.5	2658.4	2615.3	2534.4	2225.0	2171.8	1676.9
30°	2746.0	2727.2	2717.5	2731.5	2743.1	2772.7	2759.6	2647.3	2448.2	2413.4	1960.6
32.5°	2937.8	2916.5	2880.2	2855.5	2834.2	2894.7	2934.9	2886.5	2703.9	2665.7	2247.8
35°	3104.9	3096.1	3075.8	3024.5	2975.1	3024.0	3151.8	3156.7	2810.0	2750.9	2208.1
37.5°	3270.9	3255.4	3249.6	3212.4	3149.9	3132.9	3240.0	3155.2	2719.9	2653.6	2078.8
40°	3349.9	3336.3	3380.9	3380.9	3300.5	3239.5	3285.5	3206.1	2896.2	2847.7	2269.6
42.5°	3331.0	3320.8	3378.4	3400.2	3398.3	3368.3	3422.5	3428.8	3187.2	3134.4	2563.0
45°	3135.4	3095.7	3166.4	3324.2	3402.7	3453.0	3595.9	3699.0	3517.9	3458.8	2871.0
47.5°	2857.9	2822.6	2931.5	3157.2	3328.6	3491.8	3731.4	3955.6	3845.7	3788.1	3206.1
50°	2395.9	2421.6	2611.4	2894.7	3178.9	3475.3	3835.1	4195.8	4203.6	4144.0	3555.2
52.5°	1901.1	1925.3	2231.8	2563.5	2965.9	3348.4	3877.7	4449.5	4561.9	4507.7	3889.3
55°	1429.4	1467.2	1726.7	2147.5	2616.8	3145.0	3838.0	4645.7	4915.9	4885.4	4192.9
57.5°	1091.9	1119.5	1297.2	1686.1	2167.9	2857.4	3702.4	4766.2	5231.6	5201.1	4397.3
60°	836.7	851.3	1005.3	1236.2	1742.7	2464.7	3465.6	4757.5	5448.5	5426.7	4469.9
62°	705.5	706.0	831.9	970.9	1417.3	2098.1	3189.1	4637.4	5515.3	5506.6	4417.6
62.5°	674.5	692.9	797.5	922.9	1318.5	2004.7	3092.3	4581.7	5508.6	5500.3	4385.1
65°	536.5	550.6	628.5	705.0	1001.9	1470.6	2571.2	4213.2	5301.3	5301.3	4151.8
67.5°	436.3	438.7	496.8	541.8	729.7	998.5	1904.9	3669.0	4781.7	4810.8	3743.5
70°	332.7	339.4	370.4	411.6	527.3	708.9	1285.6	2907.8	4017.6	3976.0	3114.5
72.5°	263.4	263.4	279.4	296.8	369.5	500.7	880.8	2108.3	2979.9	2951.4	2288.5
75°	216.0	217.4	220.8	218.9	252.8	342.8	576.7	1305.0	1907.8	1901.6	1388.8
77.5°	162.2	164.2	175.3	172.4	171.4	211.6	364.6	707.5	1083.2	1081.3	727.8
80°	123.0	123.0	127.4	125.9	120.6	132.7	220.8	384.0	551.5	555.9	387.9
82.5°	87.6	87.6	93.5	92.0	86.2	91.0	125.9	211.6	294.9	287.6	221.8
85°	49.4	50.8	52.3	56.2	54.7	57.1	74.1	105.1	145.3	152.0	123.5
87.5°	24.2	26.6	27.1	29.5	28.6	29.5	34.4	46.5	43.1	43.1	32.0
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°	1036.2	1036.2	1036.2	1036.2	1036.2	1036.2	1036.2	1036.2	1036.2	1036.2	1036.2
2.5°	1038.2	1016.4	982.0	944.2	910.8	886.6	854.2	833.4	818.8	815.4	835.3
5°	1037.2	998.0	924.9	858.0	796.6	747.6	702.1	667.3	645.0	631.4	643.5
7.5°	1033.8	980.6	870.6	773.3	688.1	622.2	567.0	533.6	507.5	499.2	494.9
10°	1038.7	963.6	821.2	693.9	596.6	514.2	465.8	436.3	420.3	407.2	410.1
12.5°	1041.6	947.6	773.8	628.5	513.8	440.2	397.5	376.2	364.6	358.8	355.4
15°	1045.0	935.5	727.3	559.3	444.5	385.4	351.5	335.1	324.4	322.5	319.1
17.5°	1060.9	928.3	687.1	502.1	391.3	340.4	316.2	303.6	296.3	294.9	293.4
20°	1087.6	933.6	654.2	454.2	351.1	308.9	288.1	278.9	275.0	273.6	272.6
22.5°	1153.4	961.2	632.4	415.9	319.1	281.8	265.8	260.0	257.6	256.6	255.7
25°	1277.9	1051.3	644.5	391.3	296.3	257.6	246.5	243.6	241.1	240.7	240.7
27.5°	1413.0	1146.6	682.3	389.3	280.9	240.2	230.0	228.1	227.1	227.1	227.1
30°	1661.4	1326.3	765.1	429.5	283.8	226.1	215.0	214.0	215.0	216.4	216.4
32.5°	1909.3	1544.7	878.4	467.3	290.1	214.5	201.9	201.9	204.3	207.2	207.2
35°	1894.3	1527.7	802.4	405.8	256.2	200.5	189.8	190.3	195.6	198.5	198.5
37.5°	1738.9	1371.3	711.8	356.4	235.3	189.8	178.7	179.6	185.5	188.8	189.3
40°	1870.6	1465.3	744.3	363.7	228.1	182.1	169.0	170.4	175.3	178.2	177.7
42.5°	2113.6	1636.7	814.5	377.2	222.3	175.8	161.2	161.2	164.2	166.1	165.6
45°	2373.7	1831.3	899.7	388.8	216.0	170.4	155.0	152.5	153.5	154.0	153.0
47.5°	2661.8	2056.0	986.9	403.4	210.2	165.6	146.7	143.8	142.8	141.4	142.4
50°	2956.2	2260.4	1072.1	413.0	204.8	159.3	139.5	134.1	131.7	129.8	129.3
52.5°	3248.7	2494.7	1139.9	418.9	199.0	152.0	131.2	124.0	120.6	117.7	116.7
55°	3502.9	2674.9	1205.7	421.8	192.7	144.3	122.0	113.3	107.5	104.1	103.6
57.5°	3638.5	2733.9	1234.3	421.8	185.5	135.6	112.8	102.7	98.8	95.9	95.4
60°	3585.7	2587.2	1192.2	415.9	175.3	125.4	102.7	94.9	92.5	93.9	93.9
62°	3396.4	2311.2	1103.1	398.5	165.1	114.8	95.9	89.6	88.1	90.1	91.0
62.5°	3334.4	2234.2	1059.0	392.7	161.7	112.8	94.4	87.6	87.2	89.1	88.6
65°	2915.0	1747.6	832.9	349.1	145.8	102.2	86.7	82.3	84.7	84.7	84.3
67.5°	2465.2	1339.9	604.8	291.5	129.8	93.0	78.9	78.9	78.4	77.0	76.5
70°	1937.9	986.4	420.3	222.7	111.4	83.3	71.7	69.7	67.8	66.8	67.3
72.5°	1332.1	694.9	277.9	166.1	90.1	69.7	62.0	59.1	56.7	55.2	54.7
75°	793.2	424.7	185.0	111.4	68.8	58.6	50.8	47.5	46.0	43.6	43.6
77.5°	434.8	256.2	108.0	76.5	54.2	48.4	41.6	36.8	37.3	35.3	35.3
80°	231.5	134.1	66.8	51.8	41.2	39.7	34.4	30.5	29.5	25.2	24.2
82.5°	137.5	75.5	42.1	35.3	30.0	30.5	27.1	23.7	20.8	8.7	6.8
85°	78.4	37.3	19.9	17.4	15.0	17.9	16.0	12.1	7.7	1.5	1.9
87.5°	23.7	7.7	5.3	5.3	4.8	4.4	3.4	2.4	1.9	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)