

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: P1461634

Luminaire Tested: USSL-70-8540-U-T3R-HSS

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461634
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-70-8540-U-T3R-HSS
Description: USSL DISCRETE LED 1 SQUARE 70W 85CRI 4000k FIXTURE w/ TYPE III 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: 7040.3 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

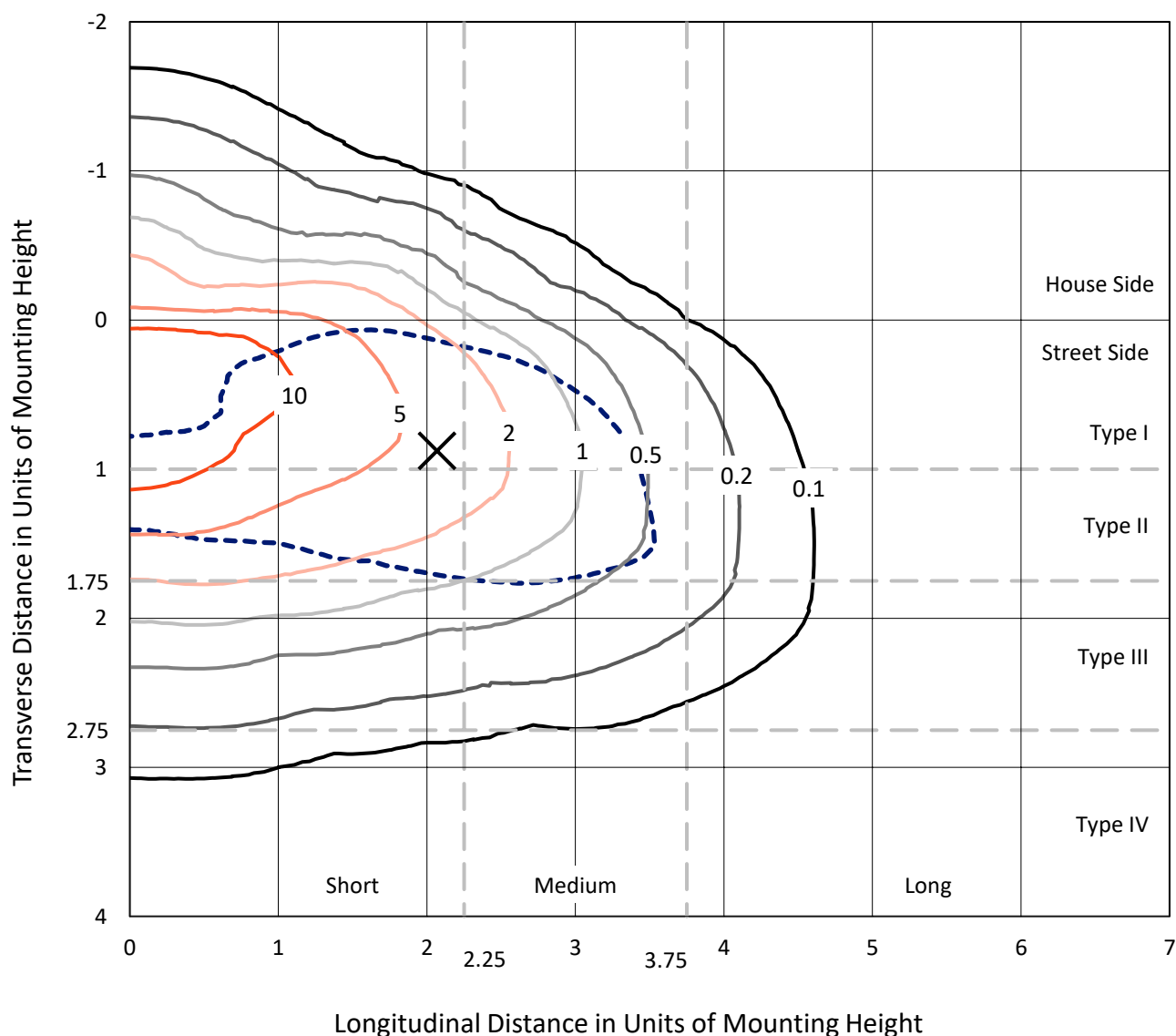
Input Watts (W): 73
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 2.73%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

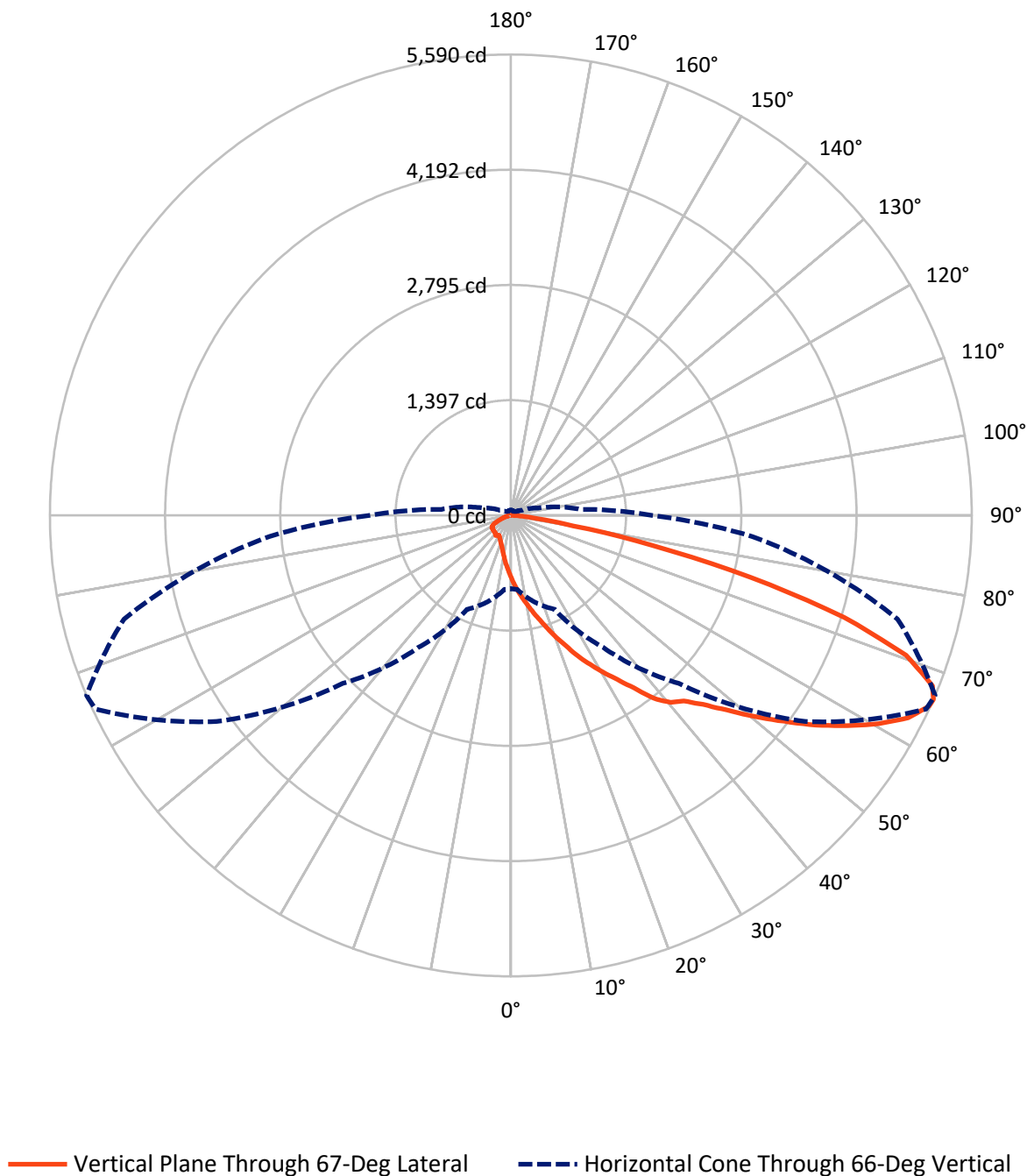


Based on 10 foot mounting height. Maximum calculated value = 16.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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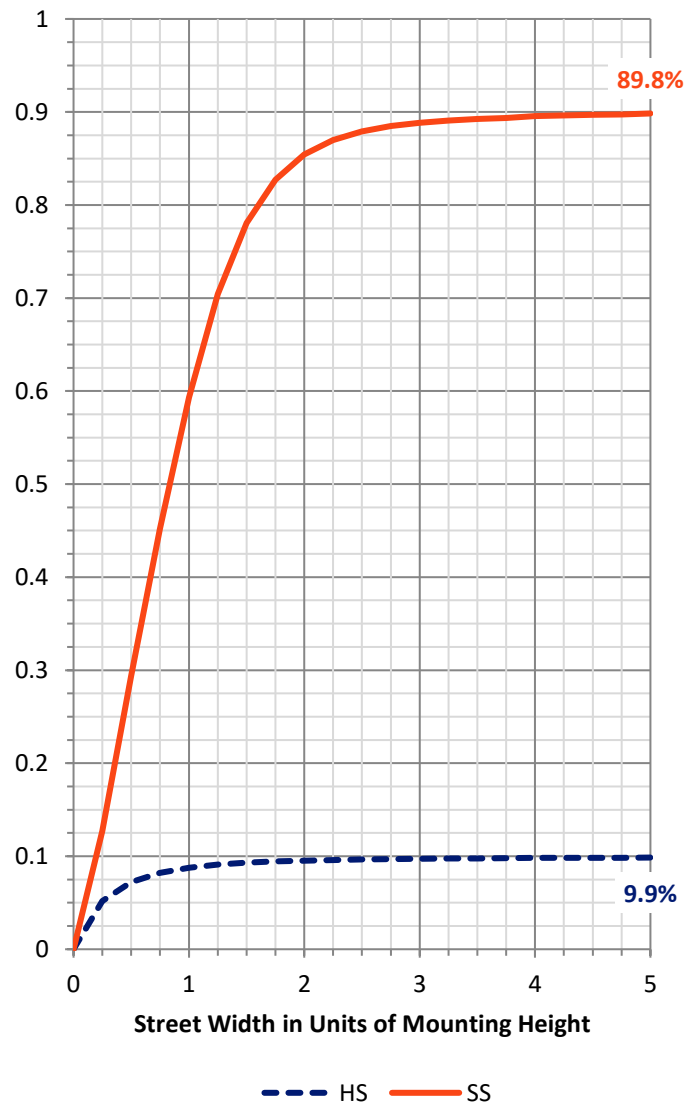
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	700.3	0.0	700.3
	% Fixture	9.9	0.0	9.9
Street Side	Lumens	6340.1	0.0	6340.1
	% Fixture	90.1	0.0	90.1
Total	Lumens	7040.3	0.0	7040.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.3	1.1
10°-20°	276.4	3.9
20°-30°	528.1	7.5
30°-40°	861.6	12.2
40°-50°	1322.1	18.8
50°-60°	1698.7	24.1
60°-70°	1548.5	22.0
70°-80°	657.6	9.3
80°-90°	70.0	1.0
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°	7040.3	100.0
0°-180°	7040.3	100.0

Coefficient of Utilization



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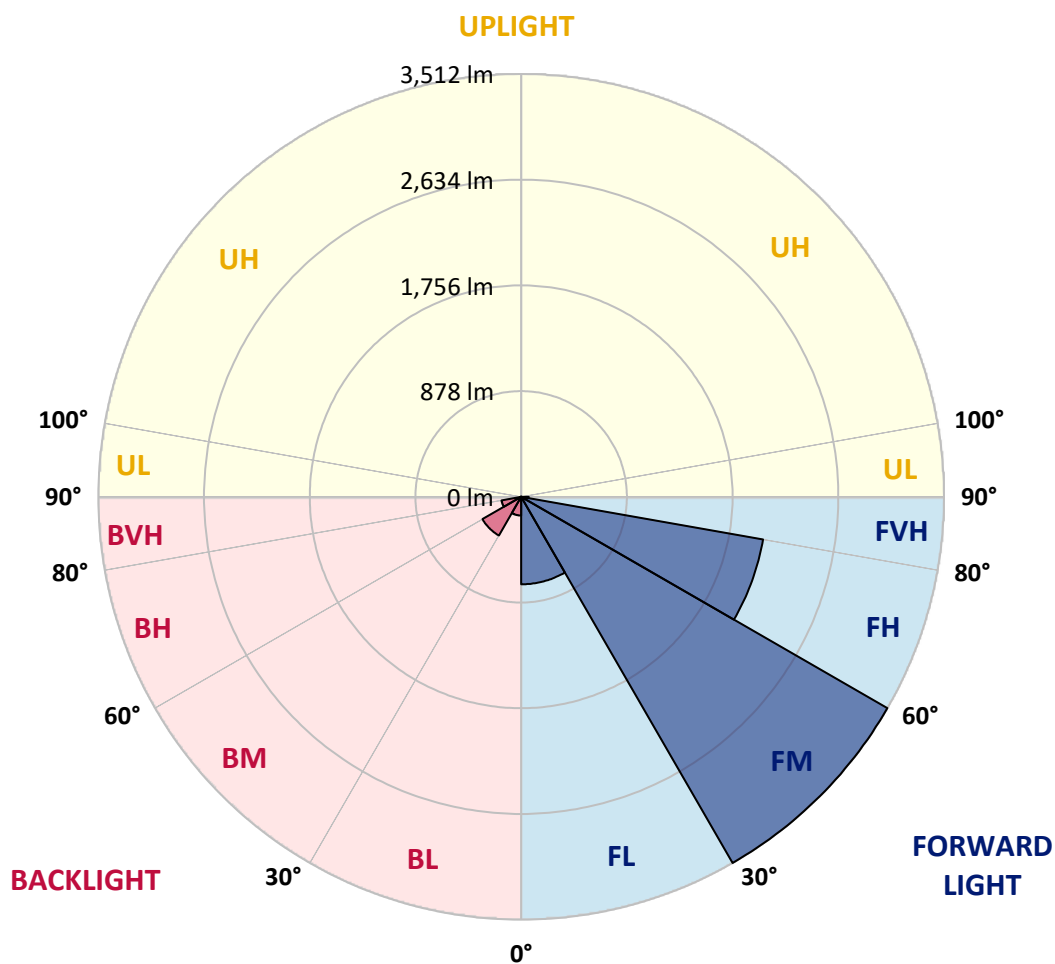
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	726.4	10.3			
FM	(30°-60°)	3511.8	49.9			
FH	(60°-80°)	2040.1	29.0			G2/5000
FVH	(80°-90°)	61.7	0.9			G1/100
BL	(0°-30°)	155.3	2.2	B1/500		
BM	(30°-60°)	370.5	5.3	B1/1000		
BH	(60°-80°)	166.1	2.4	B1/500		G1/500
BVH	(80°-90°)	8.3	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	755.5	755.5	755.5	755.5	755.5	755.5	755.5	755.5	755.5	755.5	755.5
2.5°	949.6	962.7	953.5	940.9	921.5	896.8	878.4	845.0	841.2	814.1	774.9
5°	1153.8	1154.3	1138.3	1120.4	1083.2	1038.2	986.4	931.2	923.0	867.3	799.1
7.5°	1347.4	1365.3	1344.5	1315.0	1257.9	1193.0	1112.2	1023.6	1007.7	922.5	824.2
10°	1559.9	1571.0	1546.8	1503.8	1444.2	1358.6	1252.1	1126.7	1099.6	990.7	852.3
12.5°	1735.1	1729.8	1718.2	1677.5	1612.7	1524.1	1392.9	1229.3	1205.1	1062.8	884.3
15°	1847.4	1856.6	1846.4	1823.2	1771.9	1686.2	1554.1	1359.5	1316.0	1142.2	919.1
17.5°	1917.6	1925.3	1929.2	1927.7	1905.0	1838.7	1702.2	1491.2	1441.3	1228.4	961.7
20°	1965.5	1974.7	1980.0	1999.8	2000.3	1974.7	1860.9	1626.2	1581.2	1325.2	1017.8
22.5°	2021.1	2029.4	2038.6	2061.8	2087.9	2084.5	2003.7	1783.5	1721.6	1438.9	1076.4
25°	2101.0	2110.2	2113.1	2131.5	2159.6	2179.9	2143.1	1946.1	1888.0	1567.2	1149.5
27.5°	2204.1	2213.3	2222.0	2225.4	2237.5	2261.2	2263.6	2100.5	2045.3	1692.5	1227.4
30°	2368.7	2373.0	2367.2	2349.3	2331.9	2342.5	2376.4	2248.1	2206.5	1837.2	1317.9
32.5°	2486.3	2495.0	2503.2	2488.7	2443.7	2450.9	2496.9	2412.2	2372.5	2007.1	1435.0
35°	2521.6	2541.4	2545.3	2525.9	2513.8	2571.4	2644.0	2599.0	2568.1	2208.4	1586.5
37.5°	2713.7	2723.9	2716.6	2616.5	2557.9	2647.9	2802.3	2832.3	2813.9	2476.6	1790.8
40°	3048.7	3031.7	3039.0	2818.3	2678.9	2736.0	2936.4	3009.9	2981.4	2630.0	1903.5
42.5°	3325.0	3309.0	3252.9	2997.4	2871.0	2850.7	3040.9	3097.5	3075.3	2751.5	2027.9
45°	3489.6	3483.3	3367.1	3211.3	3211.8	2994.9	3183.2	3287.3	3268.9	2961.1	2227.8
47.5°	3520.5	3507.0	3466.8	3385.0	3441.2	3239.8	3369.1	3552.0	3525.4	3224.8	2451.9
50°	3425.2	3402.5	3459.6	3473.6	3496.8	3379.2	3578.1	3841.0	3830.8	3497.3	2675.0
52.5°	3143.5	3153.2	3318.7	3421.8	3447.9	3452.8	3790.1	4156.5	4148.8	3778.0	2877.8
55°	2743.3	2776.2	3027.4	3231.1	3353.1	3537.5	4004.1	4454.2	4486.6	4065.5	3064.6
57.5°	2115.0	2151.8	2634.4	2968.3	3220.0	3599.9	4243.1	4798.8	4810.4	4334.1	3206.9
60°	1608.8	1657.2	2069.1	2550.1	2978.0	3594.6	4442.1	5116.3	5127.4	4608.1	3264.5
62.5°	1270.0	1301.0	1610.7	2030.8	2632.4	3456.2	4567.4	5384.9	5407.1	4793.4	3185.1
65°	1007.7	1002.3	1214.8	1459.2	2191.0	3115.4	4480.3	5548.5	5573.6	4872.3	3016.2
66°	887.2	901.7	1083.2	1257.9	1955.8	2880.7	4356.9	5556.2	5589.6	4855.4	2942.2
67.5°	724.1	735.7	879.9	999.4	1633.0	2489.2	4099.9	5467.2	5514.6	4760.5	2808.1
70°	468.0	486.4	572.1	655.3	1072.0	1779.1	3397.1	4998.7	5084.8	4358.3	2501.3
72.5°	298.6	307.3	346.5	386.7	608.9	1161.1	2604.4	4168.1	4226.7	3590.7	1940.8
75°	209.6	209.6	223.1	229.4	337.8	669.8	1673.6	2899.1	3004.1	2390.9	1255.0
77.5°	172.3	170.4	170.4	160.7	194.6	362.0	965.6	1708.0	1750.1	1330.5	697.4
80°	140.4	141.8	141.3	125.4	133.1	197.0	485.0	786.5	768.1	587.6	320.4
82.5°	102.1	106.0	109.9	95.3	97.8	130.7	232.8	346.1	327.7	258.0	159.7
85°	71.1	75.0	77.0	65.8	62.0	78.9	119.1	142.8	138.4	112.8	74.5
87.5°	42.1	41.1	41.1	36.3	31.9	39.2	46.0	43.6	35.8	28.6	17.4
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°	755.5	755.5	755.5	755.5	755.5	755.5	755.5	755.5	755.5	755.5	755.5
2.5°	760.3	742.9	708.1	678.6	648.1	621.4	602.6	581.8	569.2	566.8	560.9
5°	767.1	731.8	668.9	605.5	552.2	513.5	481.6	462.7	448.2	442.4	442.9
7.5°	774.9	721.6	624.3	542.6	475.8	434.1	405.6	389.6	379.4	378.0	379.9
10°	782.1	714.4	583.2	480.6	416.7	379.0	361.5	352.8	347.5	346.5	346.1
12.5°	794.2	705.7	546.9	431.2	372.7	344.6	334.0	328.1	326.2	326.7	325.7
15°	810.2	699.4	508.2	390.6	340.7	321.4	312.2	309.3	309.8	309.8	309.3
17.5°	829.1	695.0	473.8	357.2	316.0	300.1	294.8	292.8	293.8	295.2	294.8
20°	858.6	696.0	443.3	334.0	297.2	282.2	276.4	276.4	278.8	280.2	281.2
22.5°	890.5	699.9	418.7	313.6	279.7	264.7	258.5	260.9	262.3	265.7	265.7
25°	932.7	710.0	396.9	295.2	260.4	244.9	239.6	241.0	244.4	248.8	249.3
27.5°	977.7	724.5	378.5	277.8	241.5	224.6	219.7	220.2	225.1	228.4	230.4
30°	1038.2	748.7	369.8	264.7	223.1	204.7	198.0	198.0	204.2	209.6	209.6
32.5°	1130.6	799.1	379.4	260.4	207.6	186.3	180.0	179.6	183.9	189.7	189.7
35°	1237.1	878.4	409.5	266.7	199.4	173.3	164.6	165.0	167.9	171.8	172.8
37.5°	1401.6	984.0	440.9	272.0	189.7	159.7	152.5	153.9	155.8	158.7	158.7
40°	1474.2	1012.0	423.0	258.5	181.5	150.0	141.3	143.7	146.2	148.6	148.6
42.5°	1568.1	1068.2	428.3	246.8	178.6	142.3	133.1	135.5	137.5	140.4	140.4
45°	1726.9	1185.3	455.0	237.2	177.1	137.0	126.8	127.8	128.7	131.6	132.1
47.5°	1903.1	1297.6	482.1	228.4	169.9	131.6	120.0	120.0	121.0	122.9	122.9
50°	2068.6	1396.8	505.8	220.2	157.8	125.8	113.3	112.3	111.3	111.8	111.8
52.5°	2220.1	1494.1	524.2	213.4	146.2	119.5	106.0	103.6	101.6	100.7	101.2
55°	2336.7	1563.3	542.6	207.6	134.5	111.3	97.3	92.9	91.5	90.0	90.5
57.5°	2408.8	1575.9	557.6	200.4	123.9	101.6	88.6	83.7	82.8	81.3	81.3
60°	2372.0	1491.2	542.6	190.7	113.3	91.0	78.4	76.5	74.5	73.6	73.6
62.5°	2149.9	1261.3	492.2	177.6	101.6	79.4	71.1	69.7	67.8	67.3	66.8
65°	1817.4	949.6	389.6	157.3	88.6	69.7	64.4	62.9	62.4	64.4	65.3
66°	1708.0	844.1	341.2	149.1	83.2	66.3	62.0	60.0	61.5	63.9	64.4
67.5°	1536.2	729.9	279.7	136.0	78.4	61.5	57.6	57.1	60.0	61.0	61.5
70°	1293.2	579.3	204.2	111.8	65.8	53.7	51.3	54.2	53.7	53.7	53.7
72.5°	959.3	438.5	151.5	87.6	53.2	46.9	47.4	46.9	45.5	45.0	44.5
75°	595.8	283.1	105.0	63.9	43.6	44.5	41.1	38.7	36.8	35.8	35.3
77.5°	336.9	158.3	67.8	46.0	36.8	41.1	34.8	31.9	30.5	29.5	29.0
80°	169.4	90.5	42.1	31.5	31.5	34.8	29.5	27.1	24.7	20.3	17.9
82.5°	94.9	50.8	26.1	22.3	24.7	28.1	24.7	21.3	17.9	6.3	6.3
85°	50.8	25.7	12.1	11.6	13.1	15.0	13.1	11.1	6.3	1.5	2.4
87.5°	10.6	4.8	3.9	3.9	3.4	2.9	1.9	1.5	1.0	0.5	0.5
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)