

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: P1461633

Luminaire Tested: USSL-50-8540-U-T3R-HSS

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461633
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-50-8540-U-T3R-HSS
Description: USSL DISCRETE LED 1 SQUARE 50W 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: 5105.5 lumens
Efficiency: N/A
Efficacy: 98.2 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

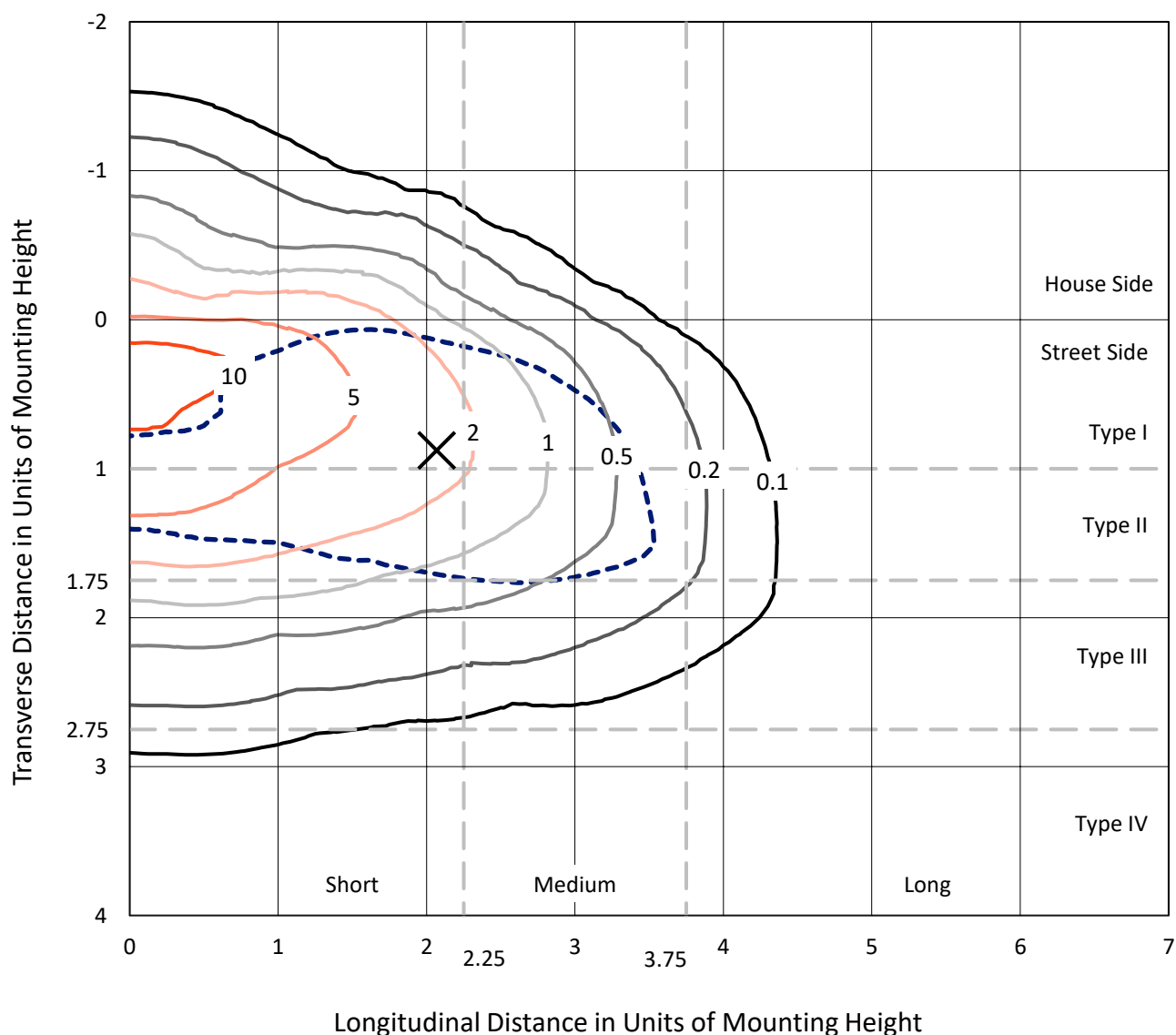
Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 3.35%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

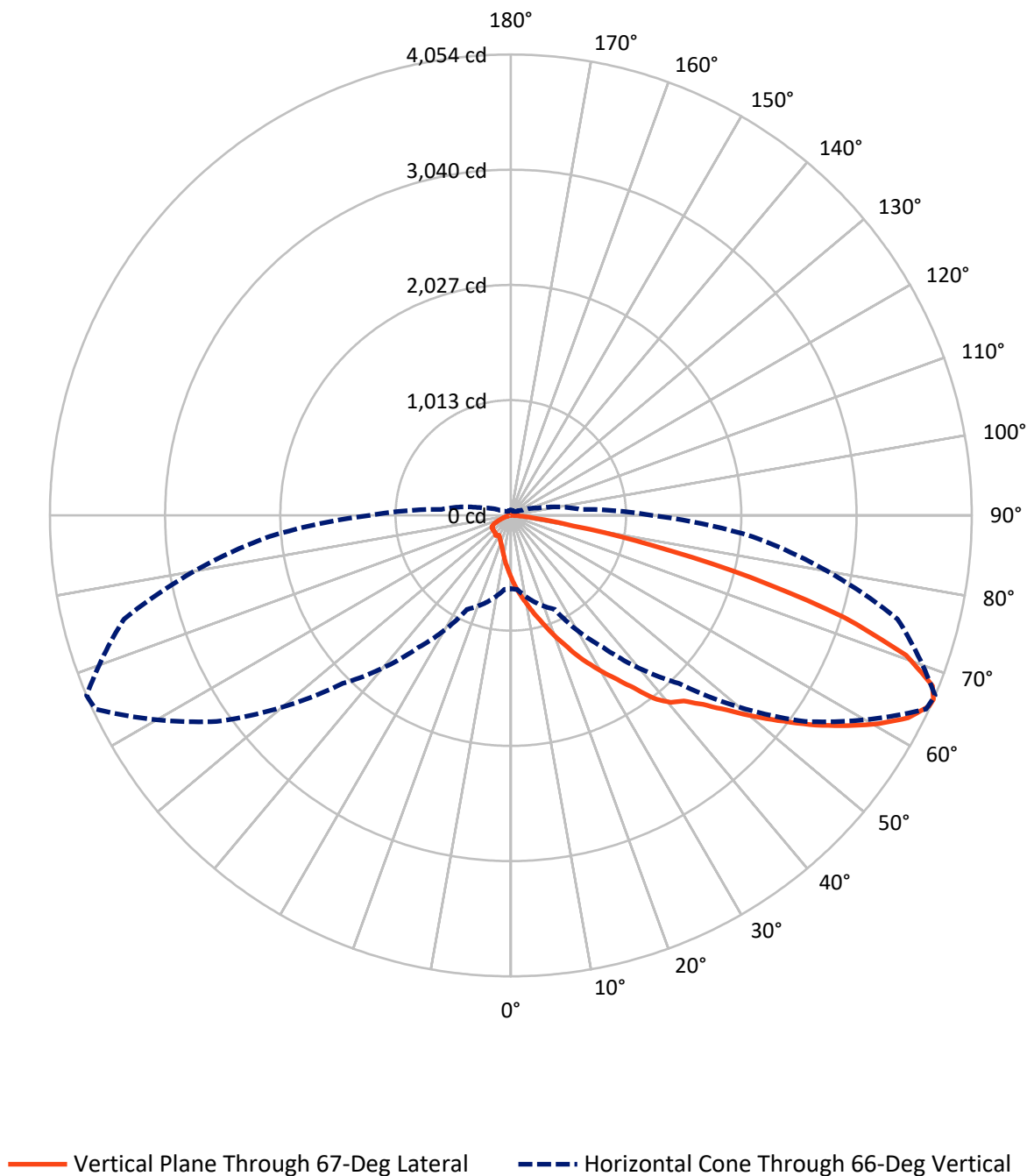


Based on 10 foot mounting height. Maximum calculated value = 11.9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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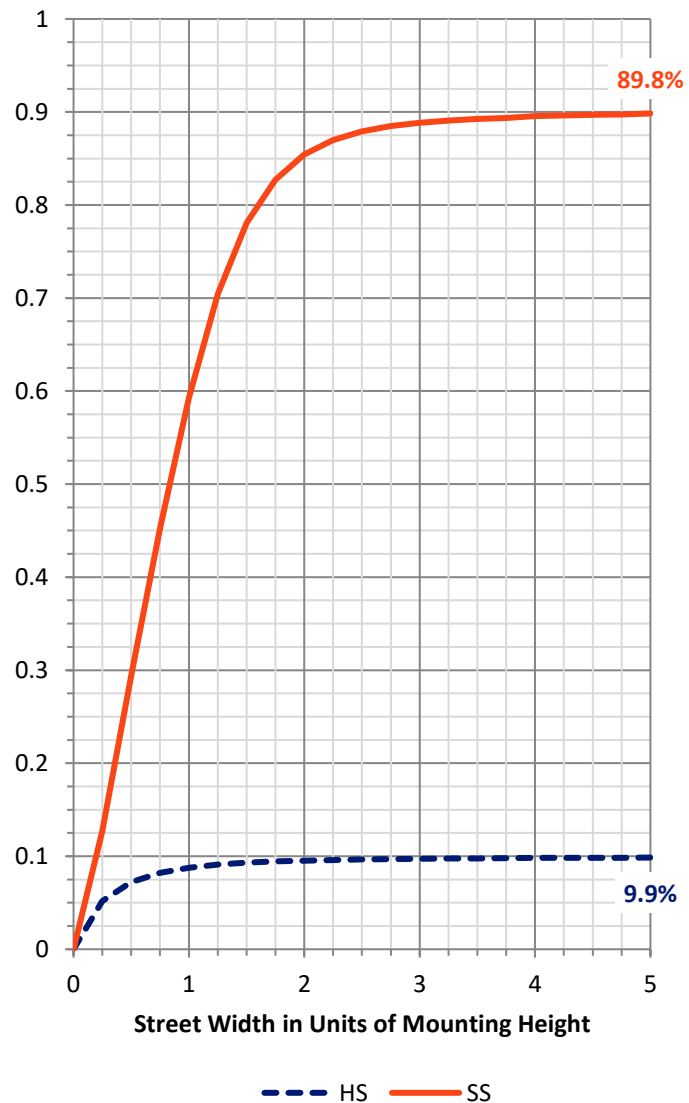
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	507.8	0.0	507.8
	% Fixture	9.9	0.0	9.9
Street Side	Lumens	4597.7	0.0	4597.7
	% Fixture	90.1	0.0	90.1
Total	Lumens	5105.5	0.0	5105.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.1	1.1
10°-20°	200.4	3.9
20°-30°	383.0	7.5
30°-40°	624.8	12.2
40°-50°	958.8	18.8
50°-60°	1231.8	24.1
60°-70°	1123.0	22.0
70°-80°	476.9	9.3
80°-90°	50.8	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°	5105.5	100.0
0°-180°	5105.5	100.0

Coefficient of Utilization



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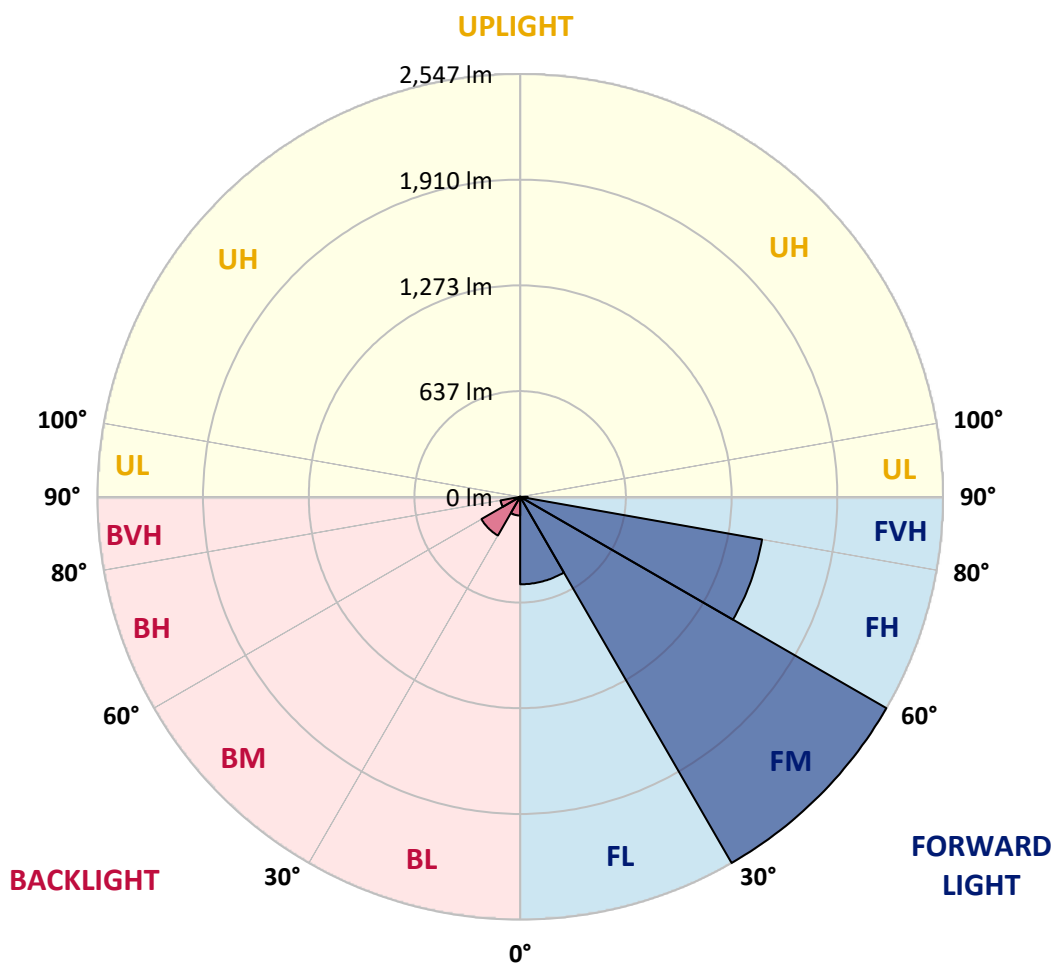
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	526.8	10.3			
FM	(30°-60°)	2546.7	49.9			
FH	(60°-80°)	1479.4	29.0			G1/1800
FVH	(80°-90°)	44.8	0.9			G1/100
BL	(0°-30°)	112.7	2.2	B1/500		
BM	(30°-60°)	268.7	5.3	B1/1000		
BH	(60°-80°)	120.5	2.4	B1/500		G1/500
BVH	(80°-90°)	6.0	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-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	547.9	547.9	547.9	547.9	547.9	547.9	547.9	547.9	547.9	547.9	547.9
2.5°	688.6	698.1	691.4	682.3	668.3	650.4	637.0	612.8	610.0	590.4	561.9
5°	836.7	837.1	825.5	812.5	785.5	752.9	715.3	675.3	669.3	629.0	579.5
7.5°	977.1	990.1	975.0	953.6	912.2	865.2	806.6	742.3	730.7	669.0	597.7
10°	1131.2	1139.3	1121.7	1090.5	1047.3	985.2	908.0	817.1	797.4	718.5	618.1
12.5°	1258.3	1254.4	1246.0	1216.5	1169.5	1105.2	1010.1	891.5	873.9	770.8	641.2
15°	1339.7	1346.4	1339.0	1322.2	1284.9	1222.8	1127.0	985.9	954.3	828.3	666.5
17.5°	1390.6	1396.2	1399.0	1398.0	1381.5	1333.4	1234.4	1081.4	1045.2	890.8	697.4
20°	1425.3	1432.0	1435.9	1450.3	1450.6	1432.0	1349.5	1179.3	1146.7	961.0	738.1
22.5°	1465.7	1471.7	1478.3	1495.2	1514.1	1511.7	1453.1	1293.4	1248.4	1043.5	780.6
25°	1523.6	1530.3	1532.4	1545.7	1566.1	1580.8	1554.2	1411.3	1369.2	1136.5	833.6
27.5°	1598.4	1605.0	1611.4	1613.8	1622.6	1639.8	1641.5	1523.3	1483.3	1227.4	890.1
30°	1717.7	1720.9	1716.7	1703.7	1691.0	1698.8	1723.3	1630.3	1600.1	1332.3	955.7
32.5°	1803.0	1809.3	1815.3	1804.8	1772.1	1777.4	1810.7	1749.3	1720.5	1455.5	1040.7
35°	1828.6	1843.0	1845.8	1831.8	1823.0	1864.8	1917.4	1884.8	1862.3	1601.5	1150.5
37.5°	1968.0	1975.3	1970.1	1897.4	1854.9	1920.2	2032.2	2054.0	2040.6	1796.0	1298.6
40°	2210.8	2198.6	2203.8	2043.8	1942.7	1984.1	2129.4	2182.8	2162.1	1907.2	1380.4
42.5°	2411.3	2399.7	2359.0	2173.6	2082.0	2067.3	2205.2	2246.3	2230.1	1995.3	1470.6
45°	2530.6	2526.0	2441.8	2328.8	2329.1	2171.9	2308.4	2383.9	2370.5	2147.3	1615.6
47.5°	2553.1	2543.2	2514.1	2454.8	2495.5	2349.5	2443.2	2575.9	2556.6	2338.6	1778.1
50°	2483.9	2467.4	2508.8	2519.0	2535.9	2450.6	2594.8	2785.4	2778.0	2536.2	1939.9
52.5°	2279.6	2286.7	2406.7	2481.5	2500.4	2503.9	2748.5	3014.2	3008.6	2739.8	2086.9
55°	1989.4	2013.2	2195.4	2343.2	2431.6	2565.3	2903.7	3230.1	3253.6	2948.3	2222.4
57.5°	1533.8	1560.5	1910.4	2152.6	2335.1	2610.6	3077.1	3480.0	3488.4	3143.1	2325.6
60°	1166.7	1201.8	1500.5	1849.3	2159.6	2606.8	3221.3	3710.2	3718.3	3341.7	2367.4
62.5°	921.0	943.4	1168.1	1472.7	1909.0	2506.4	3312.2	3905.0	3921.2	3476.1	2309.8
65°	730.7	726.9	881.0	1058.2	1588.9	2259.3	3249.1	4023.7	4041.9	3533.3	2187.3
66°	643.4	653.9	785.5	912.2	1418.3	2089.1	3159.6	4029.3	4053.5	3521.1	2133.6
67.5°	525.1	533.5	638.1	724.8	1184.2	1805.1	2973.2	3964.7	3999.1	3452.3	2036.4
70°	339.4	352.7	414.9	475.2	777.4	1290.2	2463.6	3625.0	3687.4	3160.6	1813.9
72.5°	216.6	222.9	251.3	280.4	441.5	842.0	1888.6	3022.7	3065.1	2603.9	1407.4
75°	152.0	152.0	161.8	166.4	245.0	485.8	1213.7	2102.4	2178.6	1733.9	910.1
77.5°	124.9	123.5	123.5	116.5	141.1	262.5	700.2	1238.6	1269.2	964.9	505.8
80°	101.8	102.8	102.5	90.9	96.5	142.9	351.7	570.3	557.0	426.1	232.4
82.5°	74.1	76.9	79.7	69.1	70.9	94.8	168.8	251.0	237.6	187.1	115.8
85°	51.6	54.4	55.8	47.7	44.9	57.2	86.3	103.5	100.4	81.8	54.1
87.5°	30.5	29.8	29.8	26.3	23.2	28.4	33.3	31.6	26.0	20.7	12.6
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°	547.9	547.9	547.9	547.9	547.9	547.9	547.9	547.9	547.9	547.9	547.9
2.5°	551.4	538.8	513.5	492.1	470.0	450.7	437.0	421.9	412.8	411.0	406.8
5°	556.3	530.7	485.1	439.1	400.5	372.4	349.2	335.5	325.0	320.8	321.1
7.5°	561.9	523.3	452.8	393.5	345.0	314.8	294.1	282.5	275.2	274.1	275.5
10°	567.2	518.1	422.9	348.5	302.2	274.8	262.2	255.9	252.0	251.3	251.0
12.5°	576.0	511.7	396.6	312.7	270.3	249.9	242.2	238.0	236.6	236.9	236.2
15°	587.5	507.2	368.5	283.2	247.1	233.1	226.4	224.3	224.6	224.6	224.3
17.5°	601.2	504.0	343.6	259.0	229.2	217.6	213.7	212.3	213.0	214.1	213.7
20°	622.6	504.7	321.5	242.2	215.5	204.6	200.4	200.4	202.2	203.2	203.9
22.5°	645.8	507.5	303.6	227.4	202.9	192.0	187.4	189.2	190.2	192.7	192.7
25°	676.3	514.9	287.8	214.1	188.8	177.6	173.7	174.8	177.2	180.4	180.8
27.5°	709.0	525.4	274.5	201.5	175.1	162.9	159.3	159.7	163.2	165.7	167.1
30°	752.9	543.0	268.2	192.0	161.8	148.5	143.6	143.6	148.1	152.0	152.0
32.5°	819.9	579.5	275.2	188.8	150.6	135.1	130.6	130.2	133.4	137.6	137.6
35°	897.1	637.0	296.9	193.4	144.6	125.7	119.3	119.7	121.8	124.6	125.3
37.5°	1016.4	713.5	319.7	197.3	137.6	115.8	110.6	111.6	113.0	115.1	115.1
40°	1069.1	733.9	306.8	187.4	131.6	108.8	102.5	104.2	106.0	107.8	107.8
42.5°	1137.2	774.6	310.6	179.0	129.5	103.2	96.5	98.3	99.7	101.8	101.8
45°	1252.3	859.6	329.9	172.0	128.5	99.3	92.0	92.7	93.4	95.5	95.8
47.5°	1380.1	941.0	349.6	165.7	123.2	95.5	87.0	87.0	87.7	89.1	89.1
50°	1500.1	1012.9	366.8	159.7	114.4	91.3	82.1	81.4	80.7	81.1	81.1
52.5°	1610.0	1083.5	380.1	154.8	106.0	86.7	76.9	75.1	73.7	73.0	73.4
55°	1694.5	1133.7	393.5	150.6	97.6	80.7	70.5	67.4	66.3	65.3	65.6
57.5°	1746.8	1142.8	404.3	145.3	89.9	73.7	64.2	60.7	60.0	59.0	59.0
60°	1720.2	1081.4	393.5	138.3	82.1	66.0	56.9	55.5	54.1	53.3	53.3
62.5°	1559.1	914.7	356.9	128.8	73.7	57.6	51.6	50.5	49.1	48.8	48.4
65°	1317.9	688.6	282.5	114.1	64.2	50.5	46.7	45.6	45.3	46.7	47.4
66°	1238.6	612.1	247.4	108.1	60.4	48.1	44.9	43.5	44.6	46.3	46.7
67.5°	1114.0	529.3	202.9	98.6	56.9	44.6	41.8	41.4	43.5	44.2	44.6
70°	937.8	420.1	148.1	81.1	47.7	39.0	37.2	39.3	39.0	39.0	39.0
72.5°	695.6	318.0	109.9	63.5	38.6	34.0	34.4	34.0	33.0	32.6	32.3
75°	432.1	205.3	76.2	46.3	31.6	32.3	29.8	28.1	26.7	26.0	25.6
77.5°	244.3	114.8	49.1	33.3	26.7	29.8	25.3	23.2	22.1	21.4	21.1
80°	122.8	65.6	30.5	22.8	22.8	25.3	21.4	19.7	17.9	14.7	13.0
82.5°	68.8	36.9	19.0	16.1	17.9	20.4	17.9	15.4	13.0	4.6	4.6
85°	36.9	18.6	8.8	8.4	9.5	10.9	9.5	8.1	4.6	1.1	1.8
87.5°	7.7	3.5	2.8	2.8	2.5	2.1	1.4	1.1	0.7	0.4	0.4
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)