

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: P1461635

Luminaire Tested: USSL-110-8540-U-T3R-HSS

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461635
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-110-8540-U-T3R-HSS
Description: USSL DISCRETE LED 1 SQUARE 110W 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: 10134.4 lumens
Efficiency: N/A
Efficacy: 91.3 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

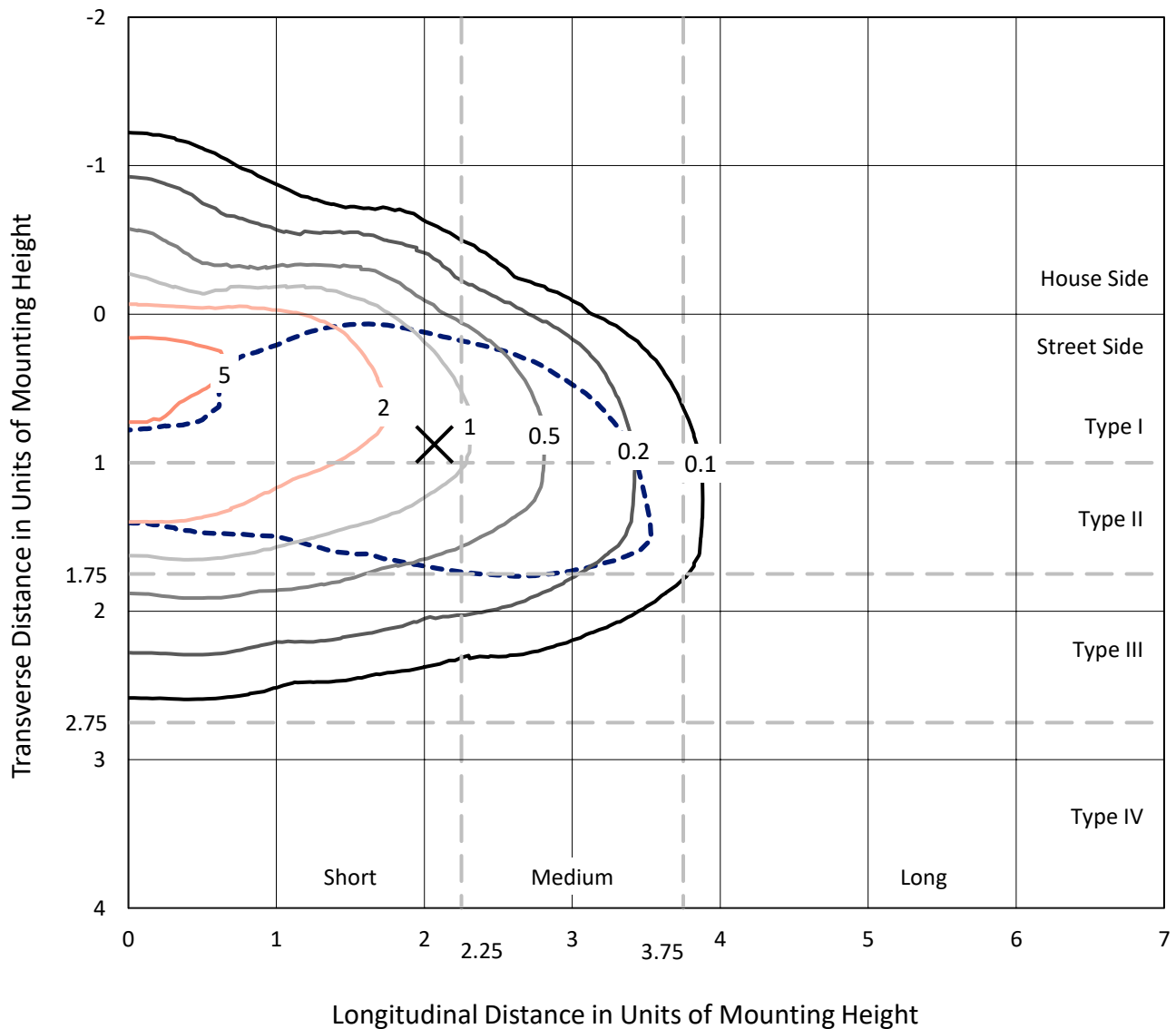
Input Watts (W): 111
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 2.87%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

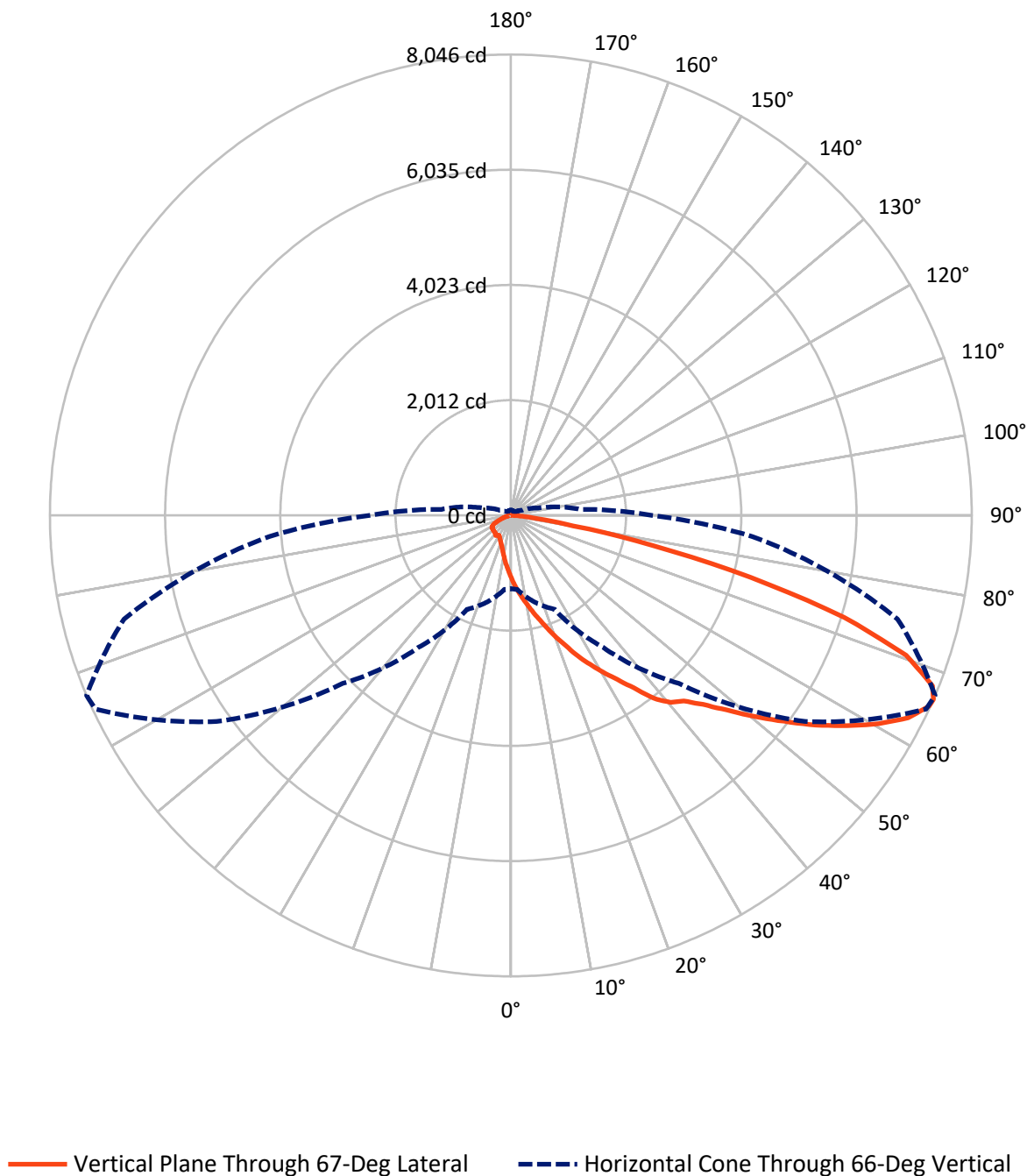


Based on 20 foot mounting height. Maximum calculated value = 5.9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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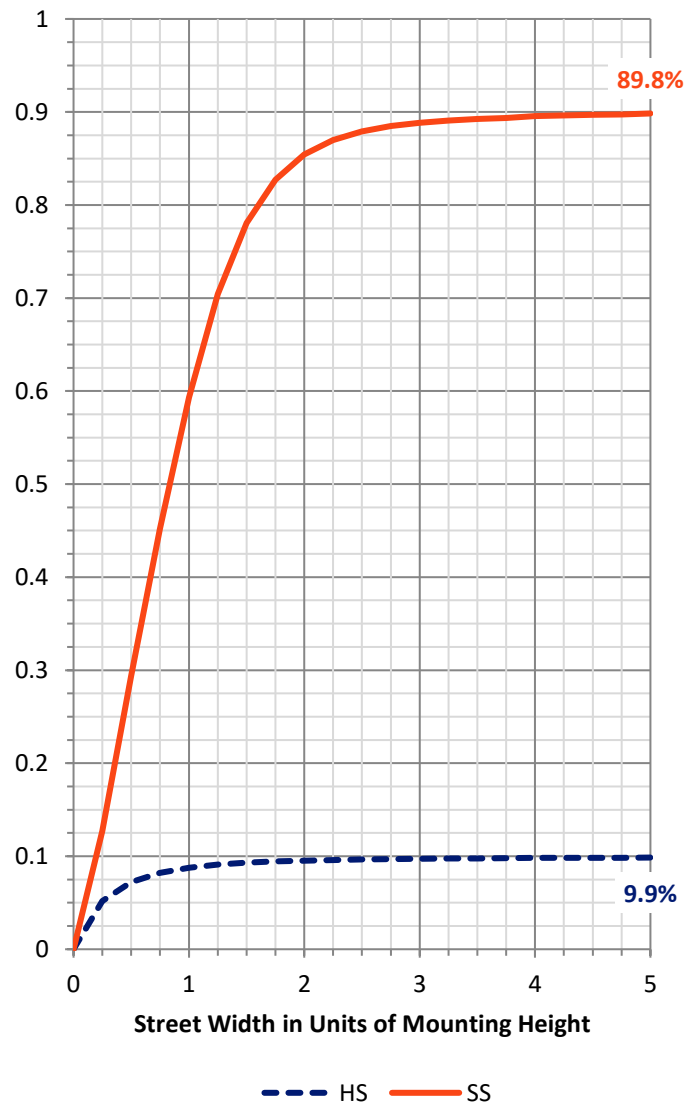
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1008.0	0.0	1008.0
	% Fixture	9.9	0.0	9.9
Street Side	Lumens	9126.4	0.0	9126.4
	% Fixture	90.1	0.0	90.1
Total	Lumens	10134.4	0.0	10134.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.3	1.1
10°-20°	397.8	3.9
20°-30°	760.2	7.5
30°-40°	1240.2	12.2
40°-50°	1903.1	18.8
50°-60°	2445.2	24.1
60°-70°	2229.1	22.0
70°-80°	946.6	9.3
80°-90°	100.8	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°	10134.4	100.0
0°-180°	10134.4	100.0

Coefficient of Utilization



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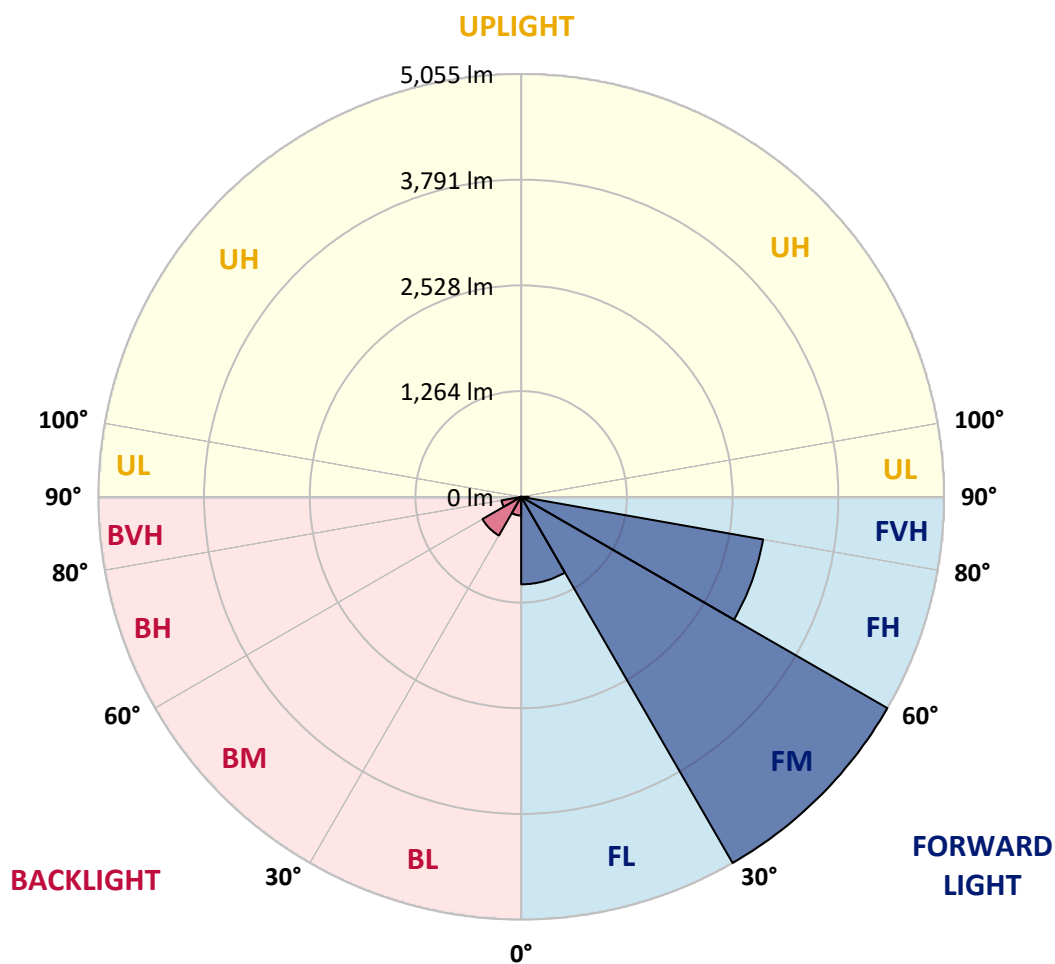
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1045.7	10.3			
FM	(30°-60°)	5055.2	49.9			
FH	(60°-80°)	2936.6	29.0			G2/5000
FVH	(80°-90°)	88.9	0.9			G1/100
BL	(0°-30°)	223.6	2.2	B1/500		
BM	(30°-60°)	533.4	5.3	B1/1000		
BH	(60°-80°)	239.1	2.4	B1/500		G1/500
BVH	(80°-90°)	12.0	0.1			G1/100
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°	1087.5	1087.5	1087.5	1087.5	1087.5	1087.5	1087.5	1087.5	1087.5	1087.5	1087.5
2.5°	1366.9	1385.7	1372.5	1354.4	1326.5	1291.0	1264.5	1216.4	1210.9	1171.8	1115.4
5°	1660.9	1661.6	1638.6	1612.9	1559.2	1494.4	1419.9	1340.4	1328.6	1248.5	1150.2
7.5°	1939.6	1965.4	1935.4	1892.9	1810.7	1717.4	1601.0	1473.5	1450.5	1327.9	1186.5
10°	2245.5	2261.5	2226.6	2164.6	2078.9	1955.6	1802.4	1621.9	1582.9	1426.1	1226.9
12.5°	2497.7	2490.0	2473.3	2414.8	2321.4	2193.9	2005.1	1769.6	1734.8	1529.9	1272.9
15°	2659.3	2672.5	2657.9	2624.5	2550.6	2427.3	2237.1	1957.0	1894.3	1644.2	1323.0
17.5°	2760.3	2771.5	2777.0	2774.9	2742.2	2646.8	2450.3	2146.5	2074.8	1768.2	1384.3
20°	2829.3	2842.5	2850.2	2878.8	2879.4	2842.5	2678.8	2340.9	2276.1	1907.6	1465.2
22.5°	2909.4	2921.2	2934.5	2967.9	3005.5	3000.7	2884.3	2567.3	2478.1	2071.3	1549.5
25°	3024.4	3037.6	3041.8	3068.3	3108.7	3137.9	3085.0	2801.4	2717.8	2255.9	1654.7
27.5°	3172.8	3186.0	3198.5	3203.4	3220.8	3255.0	3258.5	3023.7	2944.2	2436.3	1766.8
30°	3409.6	3415.9	3407.5	3381.8	3356.7	3372.0	3420.8	3236.2	3176.2	2644.7	1897.1
32.5°	3578.9	3591.5	3603.3	3582.4	3517.6	3528.1	3594.3	3472.3	3415.2	2889.2	2065.7
35°	3629.8	3658.4	3663.9	3636.1	3618.6	3701.5	3806.1	3741.3	3696.7	3179.0	2283.8
37.5°	3906.4	3921.0	3910.6	3766.3	3682.0	3811.6	4033.9	4077.1	4050.6	3565.0	2577.8
40°	4388.5	4364.1	4374.6	4056.9	3856.2	3938.4	4226.9	4332.8	4291.7	3785.8	2740.1
42.5°	4786.3	4763.3	4682.5	4314.6	4132.8	4103.5	4377.3	4458.9	4426.8	3960.7	2919.2
45°	5023.2	5014.1	4846.9	4622.6	4623.3	4311.2	4582.2	4732.0	4705.5	4262.4	3206.9
47.5°	5067.8	5048.3	4990.4	4872.7	4953.5	4663.7	4849.7	5113.1	5074.7	4642.1	3529.5
50°	4930.5	4897.8	4980.0	5000.2	5033.6	4864.3	5150.7	5529.0	5514.4	5034.3	3850.6
52.5°	4525.0	4539.0	4777.2	4925.6	4963.3	4970.2	5455.8	5983.2	5972.1	5438.4	4142.6
55°	3948.9	3996.3	4357.8	4651.1	4826.7	5092.2	5763.8	6411.7	6458.4	5852.3	4411.5
57.5°	3044.6	3097.5	3792.1	4272.8	4635.1	5182.0	6107.9	6907.7	6924.5	6238.9	4616.3
60°	2315.8	2385.5	2978.4	3670.9	4286.8	5174.4	6394.3	7364.8	7380.8	6633.2	4699.2
62.5°	1828.1	1872.7	2318.6	2923.3	3789.3	4975.1	6574.7	7751.4	7783.5	6900.1	4585.0
65°	1450.5	1442.9	1748.7	2100.5	3153.9	4484.6	6449.3	7986.9	8023.2	7013.6	4341.8
66°	1277.0	1297.9	1559.2	1810.7	2815.4	4146.7	6271.7	7998.1	8046.1	6989.3	4235.2
67.5°	1042.3	1059.0	1266.6	1438.7	2350.7	3583.1	5901.7	7869.9	7938.2	6852.7	4042.2
70°	673.7	700.2	823.5	943.3	1543.2	2561.1	4890.1	7195.5	7319.5	6273.8	3600.5
72.5°	429.9	442.4	498.8	556.7	876.4	1671.4	3748.9	6000.0	6084.3	5168.8	2793.8
75°	301.7	301.7	321.2	330.2	486.3	964.2	2409.2	4173.2	4324.4	3441.7	1806.5
77.5°	248.0	245.2	245.2	231.3	280.1	521.1	1389.9	2458.6	2519.3	1915.2	1003.9
80°	202.0	204.1	203.4	180.4	191.6	283.6	698.1	1132.1	1105.7	845.8	461.2
82.5°	147.0	152.6	158.2	137.2	140.7	188.1	335.1	498.1	471.7	371.3	229.9
85°	102.4	108.0	110.8	94.8	89.2	113.6	171.4	205.5	199.3	162.3	107.3
87.5°	60.6	59.2	59.2	52.3	46.0	56.4	66.2	62.7	51.6	41.1	25.1
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°	1087.5	1087.5	1087.5	1087.5	1087.5	1087.5	1087.5	1087.5	1087.5	1087.5	1087.5
2.5°	1094.5	1069.4	1019.3	976.8	932.9	894.6	867.4	837.4	819.3	815.8	807.5
5°	1104.3	1053.4	962.8	871.6	794.9	739.2	693.2	666.0	645.1	636.8	637.5
7.5°	1115.4	1038.8	898.7	781.0	684.9	624.9	583.8	560.8	546.2	544.1	546.9
10°	1125.9	1028.3	839.5	691.8	599.9	545.5	520.4	507.9	500.2	498.8	498.1
12.5°	1143.3	1015.8	787.3	620.8	536.5	496.0	480.7	472.4	469.6	470.3	468.9
15°	1166.3	1006.7	731.5	562.2	490.5	462.6	449.4	445.2	445.9	445.9	445.2
17.5°	1193.4	1000.5	682.1	514.2	454.9	432.0	424.3	421.5	422.9	425.0	424.3
20°	1235.9	1001.8	638.2	480.7	427.8	406.2	397.8	397.8	401.3	403.4	404.8
22.5°	1281.9	1007.4	602.6	451.5	402.7	381.1	372.0	375.5	377.6	382.5	382.5
25°	1342.5	1022.1	571.3	425.0	374.8	352.5	344.9	347.0	351.8	358.1	358.8
27.5°	1407.3	1043.0	544.8	399.9	347.7	323.3	316.3	317.0	324.0	328.8	331.6
30°	1494.4	1077.8	532.3	381.1	321.2	294.7	284.9	284.9	294.0	301.7	301.7
32.5°	1627.5	1150.2	546.2	374.8	298.9	268.2	259.2	258.5	264.7	273.1	273.1
35°	1780.8	1264.5	589.4	383.9	287.0	249.4	236.9	237.6	241.8	247.3	248.7
37.5°	2017.6	1416.4	634.7	391.5	273.1	229.9	219.5	221.5	224.3	228.5	228.5
40°	2122.1	1456.8	608.9	372.0	261.3	216.0	203.4	206.9	210.4	213.9	213.9
42.5°	2257.3	1537.6	616.6	355.3	257.1	204.8	191.6	195.1	197.9	202.0	202.0
45°	2485.8	1706.2	654.9	341.4	255.0	197.2	182.5	183.9	185.3	189.5	190.2
47.5°	2739.4	1867.8	693.9	328.8	244.5	189.5	172.8	172.8	174.2	177.0	177.0
50°	2977.7	2010.7	728.0	317.0	227.1	181.1	163.0	161.6	160.2	160.9	160.9
52.5°	3195.7	2150.7	754.5	307.2	210.4	172.1	152.6	149.1	146.3	144.9	145.6
55°	3363.7	2250.3	781.0	298.9	193.7	160.2	140.0	133.8	131.7	129.6	130.3
57.5°	3467.5	2268.4	802.6	288.4	178.4	146.3	127.5	120.5	119.1	117.0	117.0
60°	3414.5	2146.5	781.0	274.5	163.0	131.0	112.9	110.1	107.3	105.9	105.9
62.5°	3094.7	1815.6	708.5	255.7	146.3	114.3	102.4	100.3	97.5	96.8	96.1
65°	2616.1	1366.9	560.8	226.4	127.5	100.3	92.7	90.6	89.9	92.7	94.1
66°	2458.6	1215.0	491.2	214.6	119.8	95.4	89.2	86.4	88.5	92.0	92.7
67.5°	2211.3	1050.6	402.7	195.8	112.9	88.5	82.9	82.2	86.4	87.8	88.5
70°	1861.6	833.9	294.0	160.9	94.8	77.3	73.8	78.0	77.3	77.3	77.3
72.5°	1380.9	631.2	218.1	126.1	76.6	67.6	68.3	67.6	65.5	64.8	64.1
75°	857.6	407.6	151.2	92.0	62.7	64.1	59.2	55.7	52.9	51.6	50.9
77.5°	484.9	227.8	97.5	66.2	52.9	59.2	50.2	46.0	43.9	42.5	41.8
80°	243.8	130.3	60.6	45.3	45.3	50.2	42.5	39.0	35.5	29.3	25.8
82.5°	136.6	73.2	37.6	32.0	35.5	40.4	35.5	30.7	25.8	9.1	9.1
85°	73.2	36.9	17.4	16.7	18.8	21.6	18.8	16.0	9.1	2.1	3.5
87.5°	15.3	7.0	5.6	5.6	4.9	4.2	2.8	2.1	1.4	0.7	0.7
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)