

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P179306

Luminaire Tested: **UTLD-F02-LED-E-U-SL4-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179306
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34323)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-F02-LED-E-U-SL4-HSS-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (14) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3028.3 lumens
Efficiency: N/A
Efficacy: 55.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

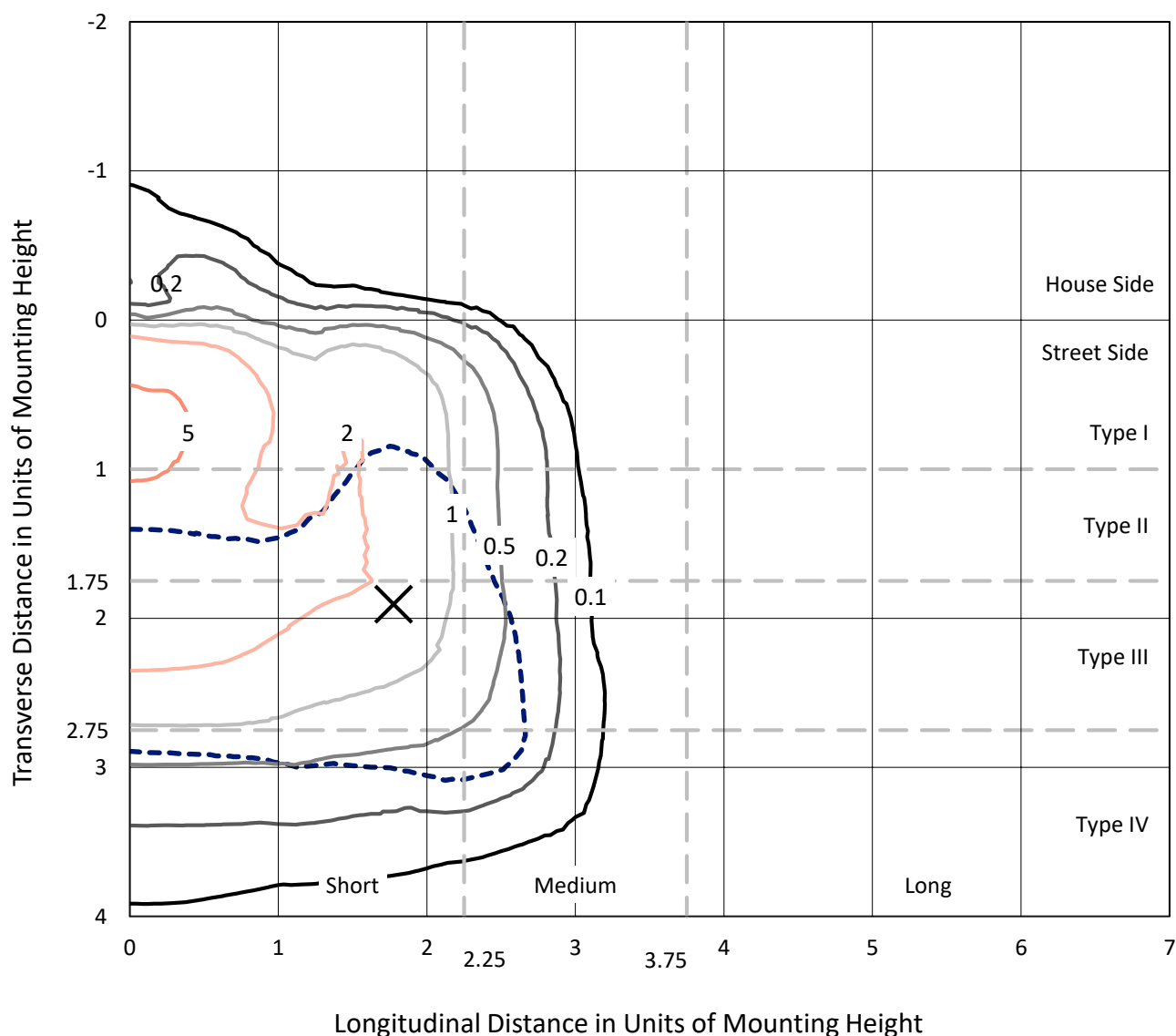


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

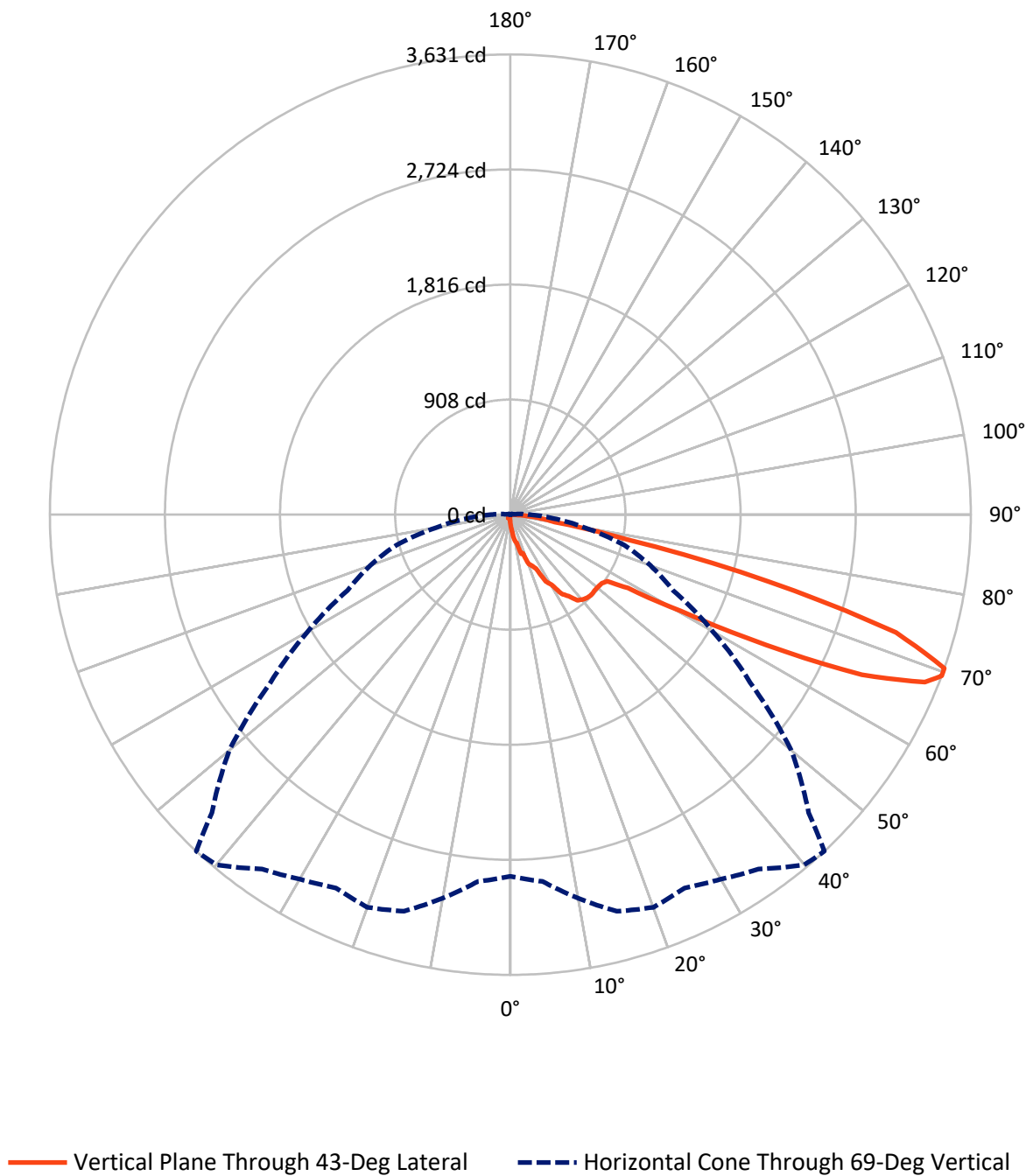


Based on 10 foot mounting height. Maximum calculated value = 7 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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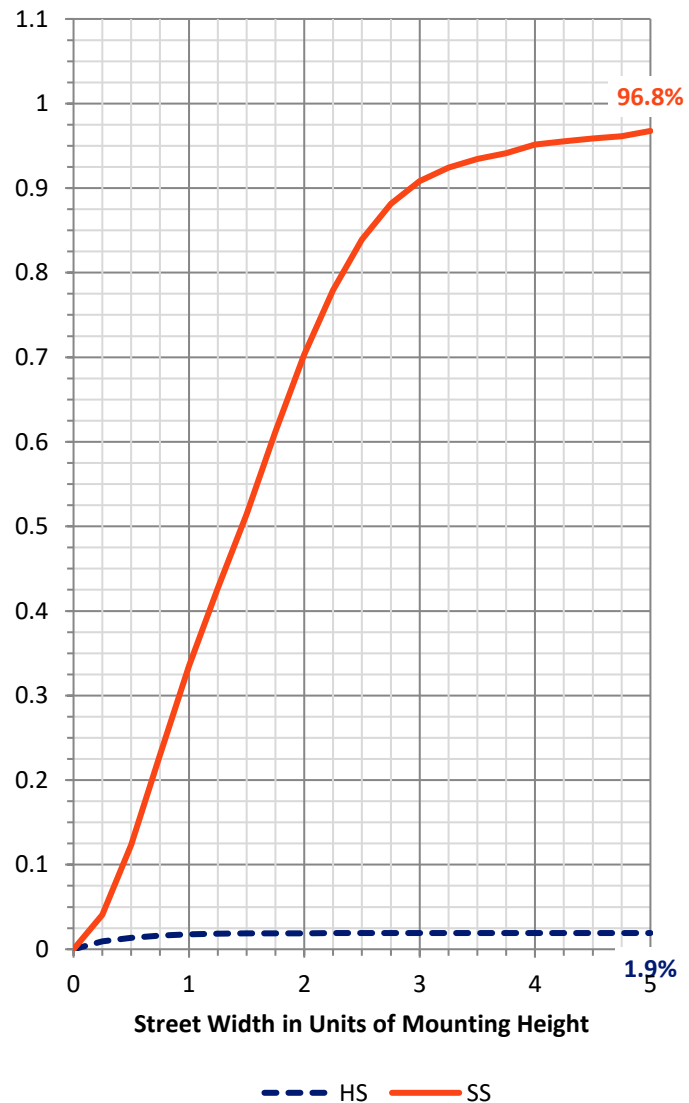
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	58.7	0.0	58.7
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	2969.6	0.0	2969.6
	% Fixture	98.1	0.0	98.1
Total	Lumens	3028.3	0.0	3028.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.5	0.3
10°-20°	42.0	1.4
20°-30°	116.1	3.8
30°-40°	243.2	8.0
40°-50°	351.2	11.6
50°-60°	544.8	18.0
60°-70°	1150.3	38.0
70°-80°	511.6	16.9
80°-90°	60.7	2.0
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°	3028.3	100.0
0°-180°	3028.3	100.0

Coefficient of Utilization



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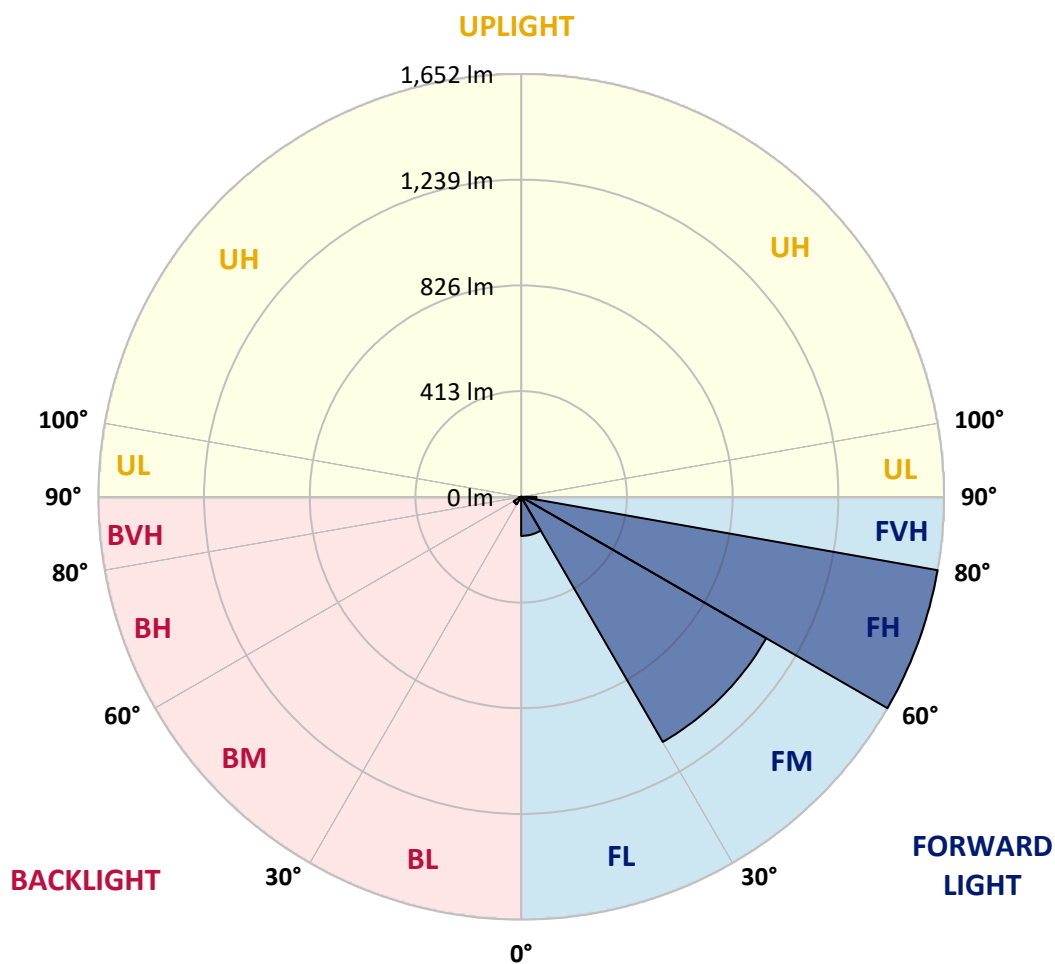
CATALOG NUMBER: UTLD-F02-LED-E-U-SL4-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	152.6	5.0			
FM	(30°-60°)	1105.6	36.5			
FH	(60°-80°)	1651.6	54.5			G1/1800
FVH	(80°-90°)	59.7	2.0			G1/100
BL	(0°-30°)	13.9	0.5	B0/110		
BM	(30°-60°)	33.5	1.1	B0/220		
BH	(60°-80°)	10.3	0.3	B0/110		G0/110
BVH	(80°-90°)	1.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	43°	45°
0°	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
2.5°	111.8	111.8	111.0	110.1	107.6	106.7	104.2	102.5	103.3	102.5	101.6
5°	143.2	140.6	137.2	132.1	130.4	127.9	126.2	122.0	120.3	119.4	117.7
7.5°	237.2	231.3	227.9	227.0	224.5	221.9	215.2	209.2	203.3	181.3	149.9
10°	255.0	255.8	256.7	251.6	253.3	244.8	236.3	231.3	227.9	215.2	207.5
12.5°	335.4	330.4	329.5	332.9	325.3	321.0	311.7	296.5	245.7	228.7	234.6
15°	388.8	395.6	371.0	341.4	334.6	327.8	308.3	311.7	334.6	319.3	302.4
17.5°	418.5	420.1	415.9	412.5	400.7	393.0	406.6	344.8	338.0	320.2	308.3
20°	524.3	526.0	518.4	482.8	438.8	416.8	429.5	405.7	397.3	415.1	353.2
22.5°	573.5	575.2	568.4	558.2	538.7	543.0	513.3	436.2	442.2	438.8	396.4
25°	703.9	708.2	700.5	683.6	667.5	591.3	559.1	559.1	509.9	471.0	448.1
27.5°	841.1	825.1	774.2	752.2	740.3	701.4	698.8	611.6	584.5	597.2	520.1
30°	934.3	936.9	928.4	892.0	869.1	858.9	764.1	716.6	653.1	642.1	566.7
32.5°	1117.3	1118.1	1100.4	1083.4	977.5	932.6	867.4	806.4	712.4	744.6	648.0
35°	1292.6	1296.9	1249.4	1154.6	1123.2	1038.5	957.2	853.9	791.2	789.5	688.7
37.5°	1396.0	1396.0	1360.4	1291.8	1258.8	1141.9	1011.4	934.3	821.7	857.2	743.7
40°	1527.3	1523.9	1493.4	1412.9	1317.2	1180.8	1076.6	970.7	875.0	880.1	780.2
42.5°	1579.8	1575.6	1554.4	1473.1	1345.2	1229.1	1092.7	980.9	887.7	894.5	797.1
45°	1606.1	1601.8	1578.9	1490.0	1356.2	1235.0	1087.6	975.0	890.3	898.7	806.4
47.5°	1600.1	1594.2	1575.6	1501.0	1389.2	1230.8	1054.6	962.3	886.0	894.5	809.8
50°	1567.9	1566.2	1549.3	1482.4	1385.8	1213.9	1036.0	949.6	885.2	895.4	816.6
52.5°	1549.3	1551.0	1534.9	1488.3	1367.2	1207.9	1046.1	953.8	890.3	902.1	826.7
55°	1793.3	1761.9	1700.1	1602.7	1429.9	1258.8	1094.4	984.3	915.7	927.5	850.5
57.5°	2602.2	2573.4	2445.5	2209.2	1874.6	1536.6	1280.8	1125.8	1060.5	1092.7	1028.3
60°	3077.4	3044.4	3012.2	2905.5	2625.9	2324.4	1865.3	1612.8	1491.7	1542.5	1479.0
62.5°	3274.8	3272.3	3257.0	3237.5	3043.5	2905.5	2563.3	2319.3	2227.8	2265.1	2130.4
65°	3398.5	3414.6	3418.0	3428.1	3301.9	3196.9	2997.0	2934.3	3055.4	3046.9	2795.3
67.5°	3311.2	3320.5	3376.4	3463.7	3401.0	3303.6	3275.6	3327.3	3483.2	3527.2	3215.5
69°	2853.8	2904.6	3072.3	3239.2	3296.8	3250.2	3320.5	3413.7	3606.0	3631.4	3328.2
70°	2275.2	2366.7	2554.8	2903.8	3041.8	3047.8	3252.8	3399.3	3616.2	3630.6	3334.9
72.5°	1022.4	1039.4	1142.7	1328.2	1855.1	2034.7	2537.0	2993.6	3215.5	3181.6	2897.0
75°	690.4	698.0	692.1	700.5	801.3	964.0	1230.0	1905.1	2171.9	2102.4	1837.3
77.5°	571.8	570.9	559.9	552.3	555.7	579.4	577.7	660.7	915.7	941.1	826.7
80°	512.5	507.4	498.1	482.8	466.7	443.9	420.1	374.4	343.1	354.9	313.4
82.5°	277.8	268.5	289.7	310.0	356.6	376.1	345.6	288.9	259.2	243.1	216.9
85°	65.2	62.7	73.7	102.5	175.3	178.7	173.7	143.2	124.5	116.0	105.0
87.5°	16.9	16.9	17.8	17.8	86.4	99.1	80.5	36.4	28.0	24.6	21.2
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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
2.5°	100.0	99.1	97.4	97.4	95.7	91.5	79.6	68.6	61.8	59.3	56.8
5°	113.5	110.1	105.9	101.6	97.4	94.9	93.2	75.4	58.4	54.2	50.0
7.5°	129.6	122.0	115.2	108.4	102.5	93.2	88.1	83.9	56.8	50.0	45.7
10°	195.7	187.2	131.3	130.4	116.0	105.9	101.6	97.4	67.8	57.6	50.0
12.5°	232.9	221.1	199.1	163.5	121.1	114.4	100.0	89.8	64.4	50.8	46.6
15°	247.3	232.9	210.1	199.9	155.9	135.5	114.4	103.3	71.2	61.0	50.0
17.5°	305.8	298.2	237.2	215.2	187.2	134.7	117.7	91.5	71.2	54.2	47.4
20°	331.2	311.7	267.7	255.0	227.0	184.7	140.6	121.1	87.2	71.2	54.2
22.5°	371.9	366.8	337.1	269.4	238.0	200.8	145.7	127.1	94.9	68.6	51.7
25°	445.6	391.3	352.4	342.2	295.6	246.5	184.7	139.8	102.5	72.0	56.8
27.5°	482.0	453.2	409.1	370.2	304.1	255.0	206.7	152.5	110.1	77.9	58.4
30°	581.9	483.7	450.6	410.8	339.7	270.2	210.1	159.3	109.3	76.2	59.3
32.5°	621.8	555.7	496.4	432.0	382.0	303.3	232.9	161.8	113.5	78.8	65.2
35°	676.8	594.6	550.6	487.1	411.7	329.5	238.9	166.9	107.6	76.2	64.4
37.5°	723.4	635.3	563.3	504.9	423.5	337.1	246.5	172.0	111.0	74.5	61.8
40°	748.0	654.8	572.6	517.6	422.7	341.4	260.9	166.0	107.6	72.8	57.6
42.5°	768.3	676.0	587.9	531.1	439.6	360.0	265.1	174.5	106.7	72.8	53.4
45°	781.9	695.4	621.8	547.2	461.7	380.3	271.1	176.2	108.4	72.8	50.0
47.5°	789.5	719.2	655.6	570.9	500.6	420.1	305.8	192.3	111.0	70.3	46.6
50°	799.6	744.6	683.6	601.4	542.1	443.0	332.1	200.8	114.4	66.1	44.0
52.5°	807.3	758.1	702.2	639.5	601.4	514.2	397.3	240.6	123.7	63.5	41.5
55°	843.7	818.3	814.9	832.7	859.8	842.8	682.7	413.4	190.6	74.5	47.4
57.5°	1085.1	1130.8	1213.9	1285.0	1264.7	1224.0	981.8	571.8	258.4	81.3	55.1
60°	1579.8	1625.5	1658.6	1624.7	1511.2	1413.8	1107.1	648.0	288.0	67.8	43.2
62.5°	2114.3	2030.4	1928.8	1776.3	1648.4	1462.1	1165.6	691.2	295.6	57.6	32.2
65°	2578.5	2314.2	2083.8	1810.2	1652.6	1455.3	1151.2	673.4	282.9	47.4	26.3
67.5°	2859.7	2409.1	2049.9	1676.4	1446.8	1218.9	889.4	517.6	216.9	38.1	22.0
69°	2891.9	2309.1	1844.9	1415.5	1176.6	930.1	595.5	342.2	151.6	32.2	19.5
70°	2832.6	2171.1	1612.8	1185.1	938.6	690.4	433.7	251.6	109.3	28.8	18.6
72.5°	2288.0	1504.4	925.0	582.8	411.7	286.3	175.3	102.5	46.6	21.2	16.1
75°	1254.5	646.3	365.9	242.3	188.1	144.0	99.1	55.1	27.1	17.8	13.6
77.5°	461.7	291.4	209.2	166.0	109.3	62.7	42.4	31.3	22.0	14.4	10.2
80°	277.0	202.5	147.4	78.8	52.5	39.8	30.5	24.6	17.8	11.0	6.8
82.5°	177.0	120.3	63.5	46.6	37.3	29.6	23.7	20.3	12.7	7.6	3.4
85°	81.3	48.3	38.1	33.0	28.8	26.3	24.6	20.3	10.2	4.2	2.5
87.5°	18.6	17.8	21.2	19.5	18.6	17.8	16.1	13.6	5.1	3.4	2.5
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
2.5°	55.1	53.4	51.7	50.8	49.1	49.1	47.4	47.4	46.6	45.7	46.6
5°	46.6	44.9	43.2	41.5	39.8	38.1	39.0	39.8	39.8	40.7	35.6
7.5°	43.2	40.7	37.3	35.6	34.7	16.9	13.6	12.7	11.9	12.7	12.7
10°	44.0	39.8	37.3	15.2	11.0	11.0	11.0	11.0	11.9	14.4	17.8
12.5°	41.5	36.4	19.5	17.8	16.1	15.2	17.8	16.9	16.9	16.9	16.9
15°	46.6	26.3	20.3	17.8	19.5	21.2	21.2	20.3	16.9	16.9	20.3
17.5°	29.6	24.6	22.9	27.1	26.3	22.0	20.3	22.9	23.7	22.0	19.5
20°	39.0	34.7	31.3	27.1	25.4	25.4	28.0	23.7	22.0	22.9	23.7
22.5°	39.8	37.3	39.0	36.4	33.9	27.1	26.3	25.4	26.3	24.6	23.7
25°	50.0	50.8	45.7	37.3	35.6	33.0	30.5	25.4	26.3	23.7	25.4
27.5°	53.4	50.0	45.7	44.0	40.7	33.0	33.0	28.0	26.3	26.3	22.9
30°	55.9	50.8	47.4	43.2	39.0	36.4	32.2	28.8	26.3	25.4	24.6
32.5°	59.3	52.5	45.7	42.4	39.0	33.9	33.0	28.8	26.3	23.7	23.7
35°	55.1	49.1	44.9	41.5	35.6	32.2	30.5	28.0	24.6	23.7	22.0
37.5°	50.0	44.9	41.5	37.3	33.9	29.6	28.8	25.4	23.7	22.0	21.2
40°	45.7	40.7	37.3	33.9	30.5	27.1	25.4	22.9	20.3	19.5	19.5
42.5°	43.2	37.3	33.0	30.5	27.1	24.6	22.9	20.3	18.6	17.8	17.8
45°	39.8	33.9	29.6	26.3	23.7	22.0	20.3	17.8	16.1	16.1	16.1
47.5°	38.1	31.3	27.1	23.7	21.2	19.5	17.8	15.2	13.6	14.4	14.4
50°	35.6	28.8	23.7	22.0	19.5	17.8	16.1	13.6	12.7	12.7	12.7
52.5°	33.0	25.4	21.2	19.5	17.8	16.1	13.6	11.0	10.2	11.0	10.2
55°	33.0	22.9	18.6	16.9	15.2	13.6	11.0	9.3	8.5	7.6	6.8
57.5°	39.0	22.9	16.1	15.2	13.6	11.0	8.5	6.8	5.9	4.2	3.4
60°	33.9	22.9	14.4	13.6	11.9	9.3	6.8	5.1	3.4	2.5	1.7
62.5°	23.7	17.8	12.7	11.9	9.3	6.8	4.2	2.5	1.7	0.8	0.8
65°	20.3	14.4	11.9	10.2	7.6	5.1	2.5	1.7	0.8	0.8	0.8
67.5°	17.8	13.6	10.2	8.5	6.8	3.4	1.7	0.8	0.8	0.8	0.8
69°	16.1	12.7	10.2	7.6	5.9	2.5	1.7	0.8	0.8	0.8	0.8
70°	15.2	11.9	9.3	7.6	5.1	2.5	0.8	0.8	0.8	0.8	0.8
72.5°	12.7	9.3	7.6	6.8	4.2	1.7	0.8	0.8	0.8	0.8	0.8
75°	9.3	7.6	5.1	5.1	3.4	1.7	0.8	0.8	0.8	0.8	0.0
77.5°	6.8	5.1	3.4	3.4	2.5	1.7	0.8	0.8	0.8	0.8	0.0
80°	4.2	3.4	2.5	2.5	1.7	1.7	0.0	0.8	0.8	0.8	0.8
82.5°	2.5	2.5	2.5	1.7	1.7	1.7	0.8	1.7	0.8	0.8	0.8
85°	2.5	2.5	2.5	1.7	1.7	1.7	0.8	1.7	1.7	1.7	0.8
87.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.8	2.5	2.5	1.7	1.7
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):

	160°	165°	170°	175°	180°
0°	66.9	66.9	66.9	66.9	66.9
2.5°	46.6	46.6	47.4	48.3	48.3
5°	27.1	18.6	19.5	19.5	19.5
7.5°	12.7	12.7	13.6	13.6	13.6
10°	19.5	19.5	19.5	19.5	20.3
12.5°	17.8	18.6	18.6	18.6	19.5
15°	21.2	22.0	22.9	22.9	23.7
17.5°	19.5	19.5	21.2	21.2	21.2
20°	22.9	22.9	22.9	22.9	22.9
22.5°	20.3	21.2	23.7	24.6	25.4
25°	23.7	22.9	22.9	22.9	22.9
27.5°	23.7	23.7	24.6	24.6	24.6
30°	23.7	22.0	22.0	22.9	23.7
32.5°	23.7	23.7	22.9	22.9	22.9
35°	22.0	23.7	23.7	23.7	23.7
37.5°	21.2	21.2	23.7	24.6	24.6
40°	20.3	21.2	22.0	25.4	25.4
42.5°	19.5	21.2	22.9	24.6	24.6
45°	18.6	20.3	21.2	22.9	22.9
47.5°	16.9	18.6	19.5	20.3	20.3
50°	15.2	15.2	16.1	16.1	15.2
52.5°	11.0	11.0	10.2	10.2	10.2
55°	6.8	5.9	5.9	5.9	5.1
57.5°	3.4	3.4	2.5	2.5	2.5
60°	1.7	0.8	0.8	0.8	0.8
62.5°	0.8	0.8	0.0	0.0	0.0
65°	0.8	0.8	0.0	0.0	0.0
67.5°	0.8	0.0	0.0	0.0	0.0
69°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.8	0.0	0.0	0.0	0.0
85°	0.8	0.8	0.8	0.0	0.0
87.5°	1.7	0.8	0.8	0.8	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)