

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: P179304

Luminaire Tested: **UTLD-F02-LED-E-U-SL4-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179304
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-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2695.6 lumens
Efficiency: N/A
Efficacy: 49.0 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

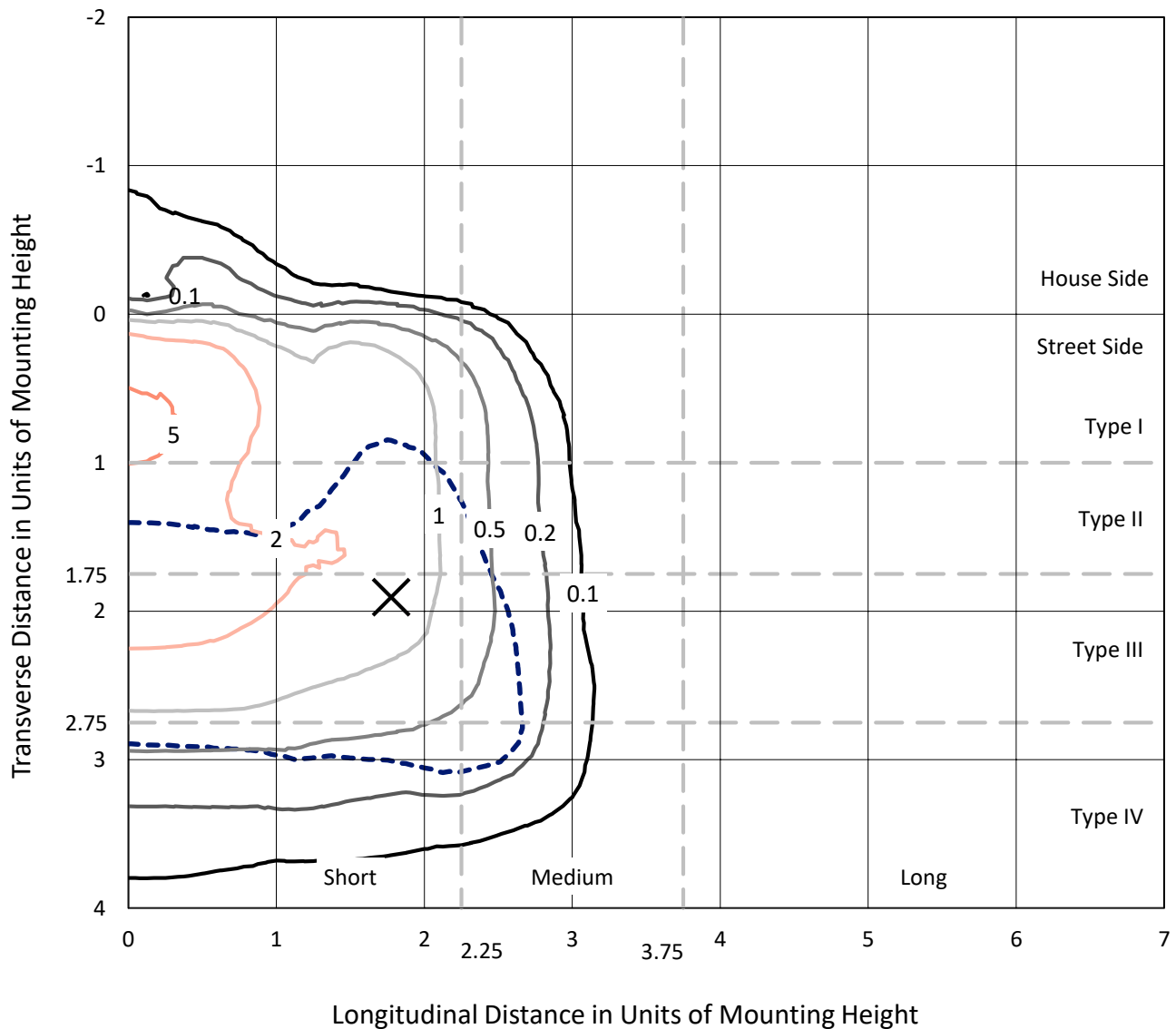


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

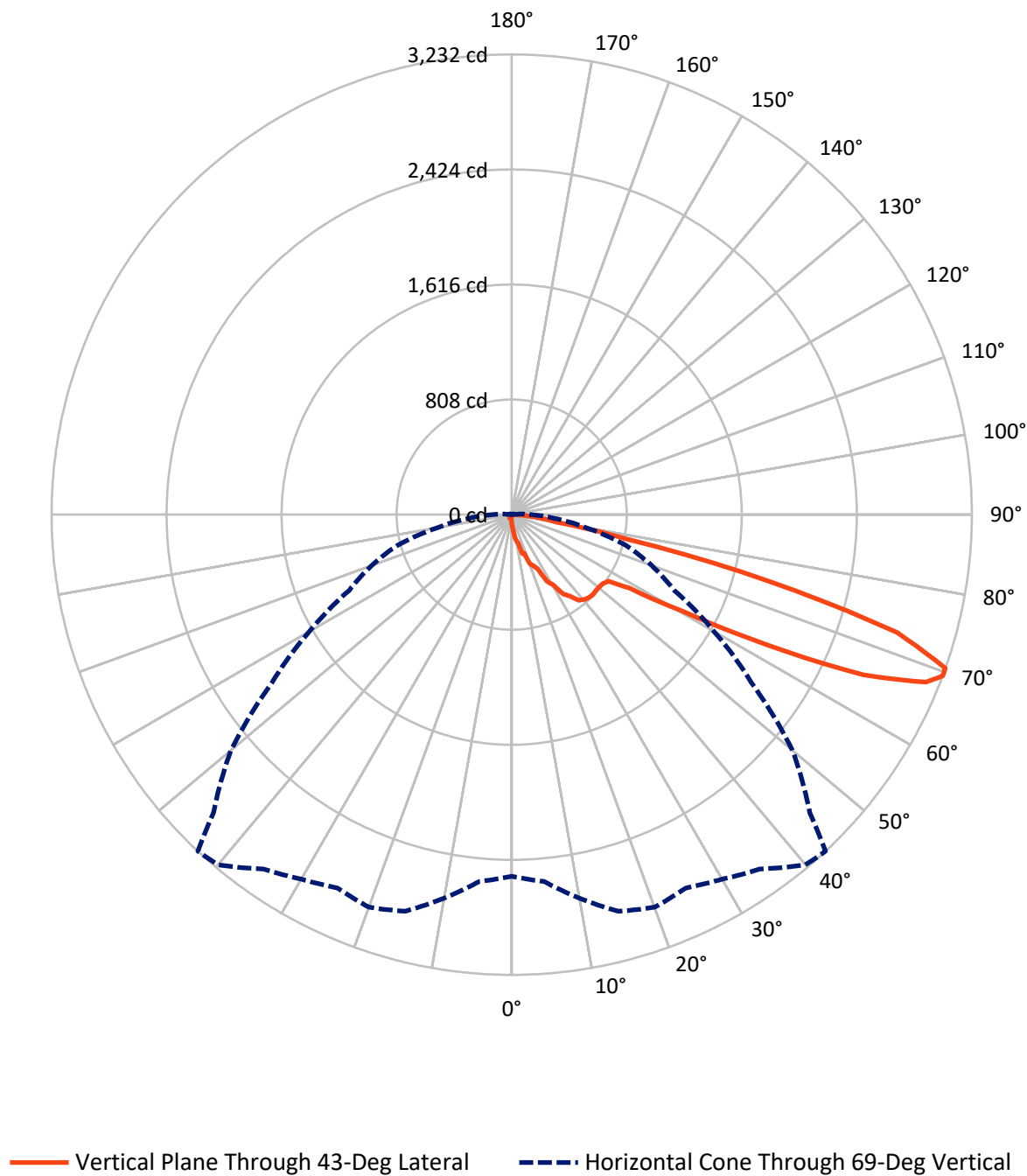


Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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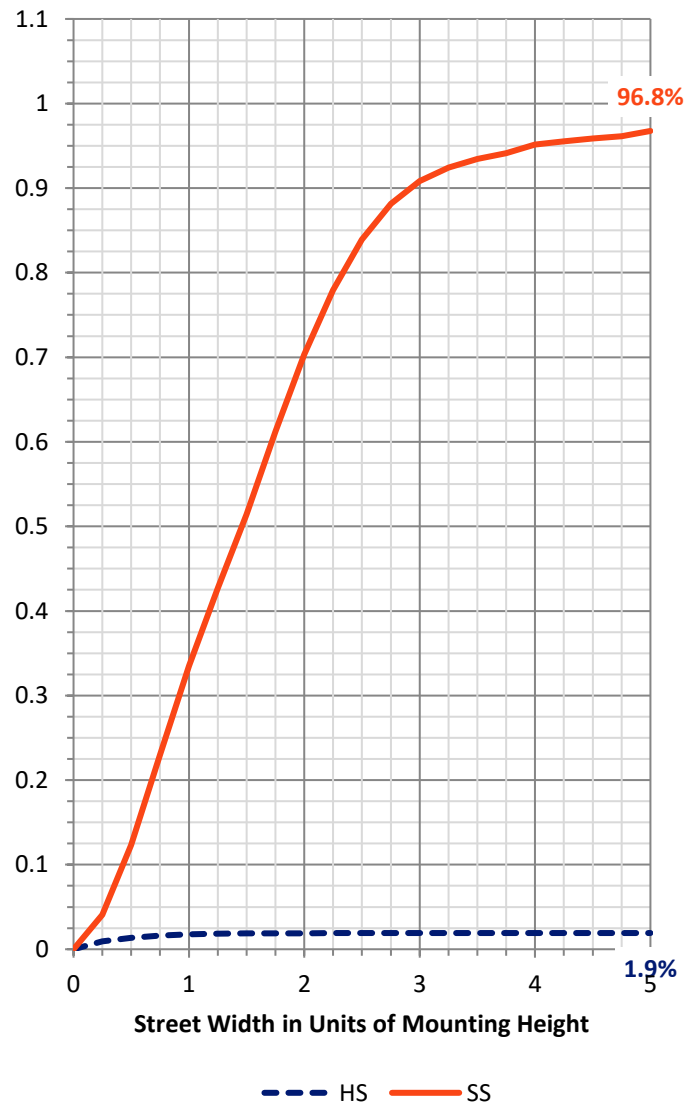
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	52.3	0.0	52.3
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	2643.3	0.0	2643.3
	% Fixture	98.1	0.0	98.1
Total	Lumens	2695.6	0.0	2695.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.5	0.3
10°-20°	37.4	1.4
20°-30°	103.3	3.8
30°-40°	216.4	8.0
40°-50°	312.6	11.6
50°-60°	484.9	18.0
60°-70°	1023.9	38.0
70°-80°	455.4	16.9
80°-90°	54.1	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°	2695.6	100.0
0°-180°	2695.6	100.0

Coefficient of Utilization



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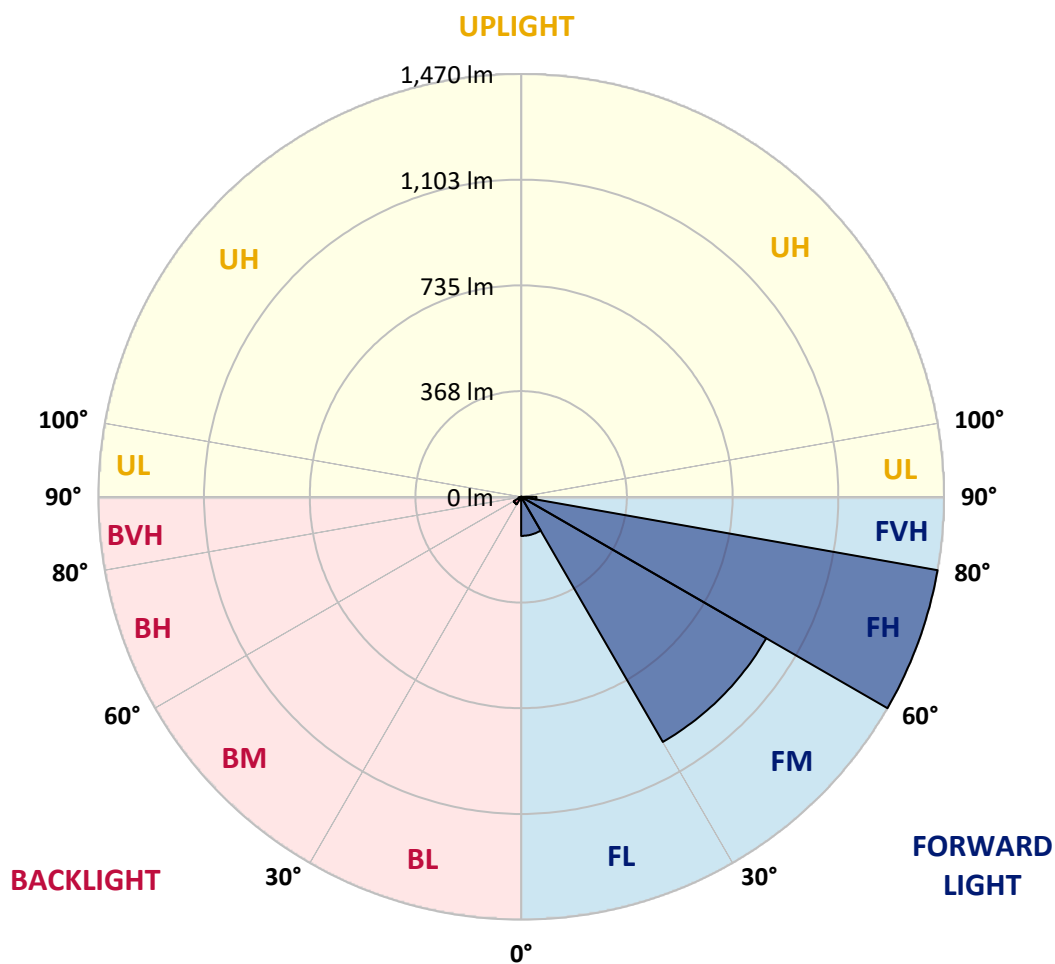
CATALOG NUMBER: UTLD-F02-LED-E-U-SL4-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	135.8	5.0			
FM	(30°-60°)	984.1	36.5			
FH	(60°-80°)	1470.1	54.5			G1/1800
FVH	(80°-90°)	53.2	2.0			G1/100
BL	(0°-30°)	12.4	0.5	B0/110		
BM	(30°-60°)	29.8	1.1	B0/220		
BH	(60°-80°)	9.2	0.3	B0/110		G0/110
BVH	(80°-90°)	0.9	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°	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
2.5°	99.5	99.5	98.8	98.0	95.8	95.0	92.7	91.2	92.0	91.2	90.5
5°	127.4	125.2	122.1	117.6	116.1	113.9	112.3	108.6	107.1	106.3	104.8
7.5°	211.1	205.8	202.8	202.1	199.8	197.5	191.5	186.2	181.0	161.4	133.5
10°	227.0	227.7	228.5	223.9	225.4	217.9	210.4	205.8	202.8	191.5	184.7
12.5°	298.6	294.1	293.3	296.3	289.5	285.8	277.5	263.9	218.7	203.6	208.9
15°	346.1	352.1	330.2	303.9	297.8	291.8	274.5	277.5	297.8	284.3	269.2
17.5°	372.5	374.0	370.2	367.2	356.6	349.9	361.9	306.9	300.8	285.0	274.5
20°	466.7	468.2	461.4	429.8	390.6	371.0	382.3	361.2	353.6	369.5	314.4
22.5°	510.5	512.0	505.9	496.9	479.5	483.3	456.9	388.3	393.6	390.6	352.9
25°	626.6	630.3	623.6	608.5	594.1	526.3	497.6	497.6	453.9	419.2	398.9
27.5°	748.7	734.4	689.2	669.5	659.0	624.3	622.0	544.4	520.3	531.6	463.0
30°	831.7	833.9	826.4	794.0	773.6	764.5	680.1	637.9	581.3	571.5	504.4
32.5°	994.5	995.3	979.4	964.4	870.1	830.1	772.1	717.8	634.1	662.8	576.8
35°	1150.6	1154.4	1112.1	1027.7	999.8	924.4	852.0	760.0	704.2	702.7	613.0
37.5°	1242.6	1242.6	1210.9	1149.8	1120.4	1016.4	900.3	831.7	731.4	763.0	662.0
40°	1359.5	1356.4	1329.3	1257.7	1172.5	1051.1	958.3	864.1	778.9	783.4	694.4
42.5°	1406.2	1402.4	1383.6	1311.2	1197.3	1094.0	972.7	873.1	790.2	796.2	709.5
45°	1429.6	1425.8	1405.4	1326.3	1207.1	1099.3	968.1	867.8	792.4	800.0	717.8
47.5°	1424.3	1419.0	1402.4	1336.1	1236.5	1095.6	938.7	856.5	788.7	796.2	720.8
50°	1395.6	1394.1	1379.1	1319.5	1233.5	1080.5	922.1	845.2	787.9	797.0	726.8
52.5°	1379.1	1380.6	1366.2	1324.8	1216.9	1075.2	931.2	849.0	792.4	803.0	735.9
55°	1596.2	1568.3	1513.3	1426.6	1272.7	1120.4	974.2	876.1	815.1	825.6	757.0
57.5°	2316.3	2290.6	2176.8	1966.4	1668.6	1367.7	1140.0	1002.1	944.0	972.7	915.3
60°	2739.3	2709.9	2681.2	2586.2	2337.4	2069.0	1660.3	1435.6	1327.8	1373.0	1316.5
62.5°	2914.9	2912.7	2899.1	2881.8	2709.1	2586.2	2281.6	2064.4	1983.0	2016.2	1896.3
65°	3025.0	3039.3	3042.4	3051.4	2939.1	2845.6	2667.6	2611.8	2719.7	2712.1	2488.2
67.5°	2947.4	2955.7	3005.4	3083.1	3027.3	2940.6	2915.7	2961.7	3100.4	3139.6	2862.2
69°	2540.2	2585.4	2734.7	2883.3	2934.5	2893.1	2955.7	3038.6	3209.8	3232.4	2962.4
70°	2025.2	2106.7	2274.0	2584.7	2707.6	2712.9	2895.3	3025.8	3218.8	3231.6	2968.5
72.5°	910.1	925.1	1017.1	1182.3	1651.2	1811.1	2258.2	2664.6	2862.2	2832.0	2578.7
75°	614.5	621.3	616.0	623.6	713.3	858.0	1094.8	1695.7	1933.2	1871.4	1635.4
77.5°	508.9	508.2	498.4	491.6	494.6	515.7	514.2	588.1	815.1	837.7	735.9
80°	456.2	451.6	443.3	429.8	415.5	395.1	374.0	333.3	305.4	315.9	279.0
82.5°	247.3	239.0	257.9	276.0	317.4	334.8	307.6	257.1	230.7	216.4	193.0
85°	58.1	55.8	65.6	91.2	156.1	159.1	154.6	127.4	110.8	103.3	93.5
87.5°	15.1	15.1	15.8	15.8	76.9	88.2	71.6	32.4	24.9	21.9	18.8
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°	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
2.5°	89.0	88.2	86.7	86.7	85.2	81.4	70.9	61.1	55.0	52.8	50.5
5°	101.0	98.0	94.2	90.5	86.7	84.4	82.9	67.1	52.0	48.3	44.5
7.5°	115.4	108.6	102.5	96.5	91.2	82.9	78.4	74.6	50.5	44.5	40.7
10°	174.2	166.6	116.9	116.1	103.3	94.2	90.5	86.7	60.3	51.3	44.5
12.5°	207.3	196.8	177.2	145.5	107.8	101.8	89.0	79.9	57.3	45.2	41.5
15°	220.2	207.3	187.0	177.9	138.7	120.6	101.8	92.0	63.3	54.3	44.5
17.5°	272.2	265.4	211.1	191.5	166.6	119.9	104.8	81.4	63.3	48.3	42.2
20°	294.8	277.5	238.3	227.0	202.1	164.4	125.2	107.8	77.7	63.3	48.3
22.5°	331.0	326.5	300.1	239.8	211.9	178.7	129.7	113.1	84.4	61.1	46.0
25°	396.6	348.3	313.7	304.6	263.1	219.4	164.4	124.4	91.2	64.1	50.5
27.5°	429.0	403.4	364.2	329.5	270.7	227.0	184.0	135.7	98.0	69.4	52.0
30°	518.0	430.5	401.1	365.7	302.4	240.5	187.0	141.8	97.3	67.9	52.8
32.5°	553.4	494.6	441.8	384.5	340.1	269.9	207.3	144.0	101.0	70.1	58.1
35°	602.4	529.3	490.1	433.5	366.4	293.3	212.6	148.5	95.8	67.9	57.3
37.5°	643.9	565.5	501.4	449.4	377.0	300.1	219.4	153.1	98.8	66.4	55.0
40°	665.8	582.8	509.7	460.7	376.2	303.9	232.2	147.8	95.8	64.8	51.3
42.5°	683.9	601.7	523.3	472.8	391.3	320.4	236.0	155.3	95.0	64.8	47.5
45°	695.9	619.0	553.4	487.1	410.9	338.5	241.3	156.8	96.5	64.8	44.5
47.5°	702.7	640.1	583.6	508.2	445.6	374.0	272.2	171.2	98.8	62.6	41.5
50°	711.8	662.8	608.5	535.3	482.6	394.3	295.6	178.7	101.8	58.8	39.2
52.5°	718.6	674.8	625.1	569.3	535.3	457.7	353.6	214.1	110.1	56.5	36.9
55°	751.0	728.4	725.3	741.2	765.3	750.2	607.7	367.9	169.6	66.4	42.2
57.5°	965.9	1006.6	1080.5	1143.8	1125.7	1089.5	873.9	508.9	230.0	72.4	49.0
60°	1406.2	1446.9	1476.3	1446.2	1345.1	1258.4	985.5	576.8	256.4	60.3	38.5
62.5°	1882.0	1807.3	1716.8	1581.1	1467.3	1301.4	1037.5	615.3	263.1	51.3	28.7
65°	2295.2	2059.9	1854.8	1611.3	1471.0	1295.4	1024.7	599.4	251.8	42.2	23.4
67.5°	2545.5	2144.4	1824.7	1492.2	1287.8	1085.0	791.7	460.7	193.0	33.9	19.6
69°	2574.1	2055.4	1642.2	1259.9	1047.3	827.9	530.1	304.6	135.0	28.7	17.3
70°	2521.4	1932.5	1435.6	1054.8	835.4	614.5	386.0	223.9	97.3	25.6	16.6
72.5°	2036.5	1339.1	823.4	518.7	366.4	254.8	156.1	91.2	41.5	18.8	14.3
75°	1116.7	575.3	325.7	215.6	167.4	128.2	88.2	49.0	24.1	15.8	12.1
77.5°	410.9	259.4	186.2	147.8	97.3	55.8	37.7	27.9	19.6	12.8	9.0
80°	246.6	180.2	131.2	70.1	46.7	35.4	27.1	21.9	15.8	9.8	6.0
82.5°	157.6	107.1	56.5	41.5	33.2	26.4	21.1	18.1	11.3	6.8	3.0
85°	72.4	43.0	33.9	29.4	25.6	23.4	21.9	18.1	9.0	3.8	2.3
87.5°	16.6	15.8	18.8	17.3	16.6	15.8	14.3	12.1	4.5	3.0	2.3
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°	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
2.5°	49.0	47.5	46.0	45.2	43.7	43.7	42.2	42.2	41.5	40.7	41.5
5°	41.5	40.0	38.5	36.9	35.4	33.9	34.7	35.4	35.4	36.2	31.7
7.5°	38.5	36.2	33.2	31.7	30.9	15.1	12.1	11.3	10.6	11.3	11.3
10°	39.2	35.4	33.2	13.6	9.8	9.8	9.8	9.8	10.6	12.8	15.8
12.5°	36.9	32.4	17.3	15.8	14.3	13.6	15.8	15.1	15.1	15.1	15.1
15°	41.5	23.4	18.1	15.8	17.3	18.8	18.8	18.1	15.1	15.1	18.1
17.5°	26.4	21.9	20.4	24.1	23.4	19.6	18.1	20.4	21.1	19.6	17.3
20°	34.7	30.9	27.9	24.1	22.6	22.6	24.9	21.1	19.6	20.4	21.1
22.5°	35.4	33.2	34.7	32.4	30.2	24.1	23.4	22.6	23.4	21.9	21.1
25°	44.5	45.2	40.7	33.2	31.7	29.4	27.1	22.6	23.4	21.1	22.6
27.5°	47.5	44.5	40.7	39.2	36.2	29.4	29.4	24.9	23.4	23.4	20.4
30°	49.8	45.2	42.2	38.5	34.7	32.4	28.7	25.6	23.4	22.6	21.9
32.5°	52.8	46.7	40.7	37.7	34.7	30.2	29.4	25.6	23.4	21.1	21.1
35°	49.0	43.7	40.0	36.9	31.7	28.7	27.1	24.9	21.9	21.1	19.6
37.5°	44.5	40.0	36.9	33.2	30.2	26.4	25.6	22.6	21.1	19.6	18.8
40°	40.7	36.2	33.2	30.2	27.1	24.1	22.6	20.4	18.1	17.3	17.3
42.5°	38.5	33.2	29.4	27.1	24.1	21.9	20.4	18.1	16.6	15.8	15.8
45°	35.4	30.2	26.4	23.4	21.1	19.6	18.1	15.8	14.3	14.3	14.3
47.5°	33.9	27.9	24.1	21.1	18.8	17.3	15.8	13.6	12.1	12.8	12.8
50°	31.7	25.6	21.1	19.6	17.3	15.8	14.3	12.1	11.3	11.3	11.3
52.5°	29.4	22.6	18.8	17.3	15.8	14.3	12.1	9.8	9.0	9.8	9.0
55°	29.4	20.4	16.6	15.1	13.6	12.1	9.8	8.3	7.5	6.8	6.0
57.5°	34.7	20.4	14.3	13.6	12.1	9.8	7.5	6.0	5.3	3.8	3.0
60°	30.2	20.4	12.8	12.1	10.6	8.3	6.0	4.5	3.0	2.3	1.5
62.5°	21.1	15.8	11.3	10.6	8.3	6.0	3.8	2.3	1.5	0.8	0.8
65°	18.1	12.8	10.6	9.0	6.8	4.5	2.3	1.5	0.8	0.8	0.8
67.5°	15.8	12.1	9.0	7.5	6.0	3.0	1.5	0.8	0.8	0.8	0.8
69°	14.3	11.3	9.0	6.8	5.3	2.3	1.5	0.8	0.8	0.8	0.8
70°	13.6	10.6	8.3	6.8	4.5	2.3	0.8	0.8	0.8	0.8	0.8
72.5°	11.3	8.3	6.8	6.0	3.8	1.5	0.8	0.8	0.8	0.8	0.8
75°	8.3	6.8	4.5	4.5	3.0	1.5	0.8	0.8	0.8	0.8	0.0
77.5°	6.0	4.5	3.0	3.0	2.3	1.5	0.8	0.8	0.8	0.8	0.0
80°	3.8	3.0	2.3	2.3	1.5	1.5	0.0	0.8	0.8	0.8	0.8
82.5°	2.3	2.3	2.3	1.5	1.5	1.5	0.8	1.5	0.8	0.8	0.8
85°	2.3	2.3	2.3	1.5	1.5	1.5	0.8	1.5	1.5	1.5	0.8
87.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.8	2.3	2.3	1.5	1.5
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):

	160°	165°	170°	175°	180°
0°	59.6	59.6	59.6	59.6	59.6
2.5°	41.5	41.5	42.2	43.0	43.0
5°	24.1	16.6	17.3	17.3	17.3
7.5°	11.3	11.3	12.1	12.1	12.1
10°	17.3	17.3	17.3	17.3	18.1
12.5°	15.8	16.6	16.6	16.6	17.3
15°	18.8	19.6	20.4	20.4	21.1
17.5°	17.3	17.3	18.8	18.8	18.8
20°	20.4	20.4	20.4	20.4	20.4
22.5°	18.1	18.8	21.1	21.9	22.6
25°	21.1	20.4	20.4	20.4	20.4
27.5°	21.1	21.1	21.9	21.9	21.9
30°	21.1	19.6	19.6	20.4	21.1
32.5°	21.1	21.1	20.4	20.4	20.4
35°	19.6	21.1	21.1	21.1	21.1
37.5°	18.8	18.8	21.1	21.9	21.9
40°	18.1	18.8	19.6	22.6	22.6
42.5°	17.3	18.8	20.4	21.9	21.9
45°	16.6	18.1	18.8	20.4	20.4
47.5°	15.1	16.6	17.3	18.1	18.1
50°	13.6	13.6	14.3	14.3	13.6
52.5°	9.8	9.8	9.0	9.0	9.0
55°	6.0	5.3	5.3	5.3	4.5
57.5°	3.0	3.0	2.3	2.3	2.3
60°	1.5	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°	1.5	0.8	0.8	0.8	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)