

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: P179299

Luminaire Tested: **UTLD-E02-LED-E-U-SL4-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179299
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-E02-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: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3265.3 lumens
Efficiency: N/A
Efficacy: 62.7 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): 52.1
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

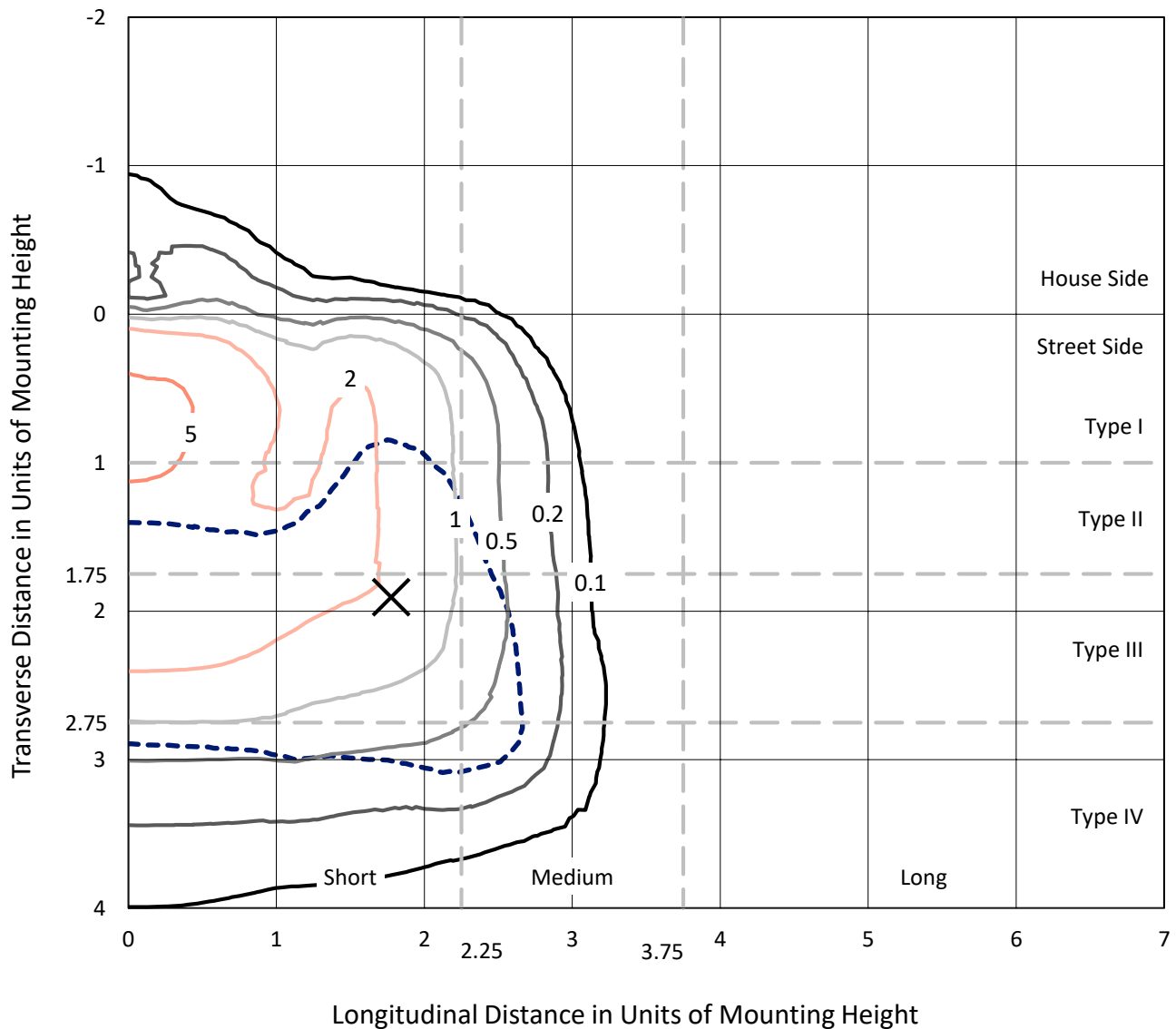


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

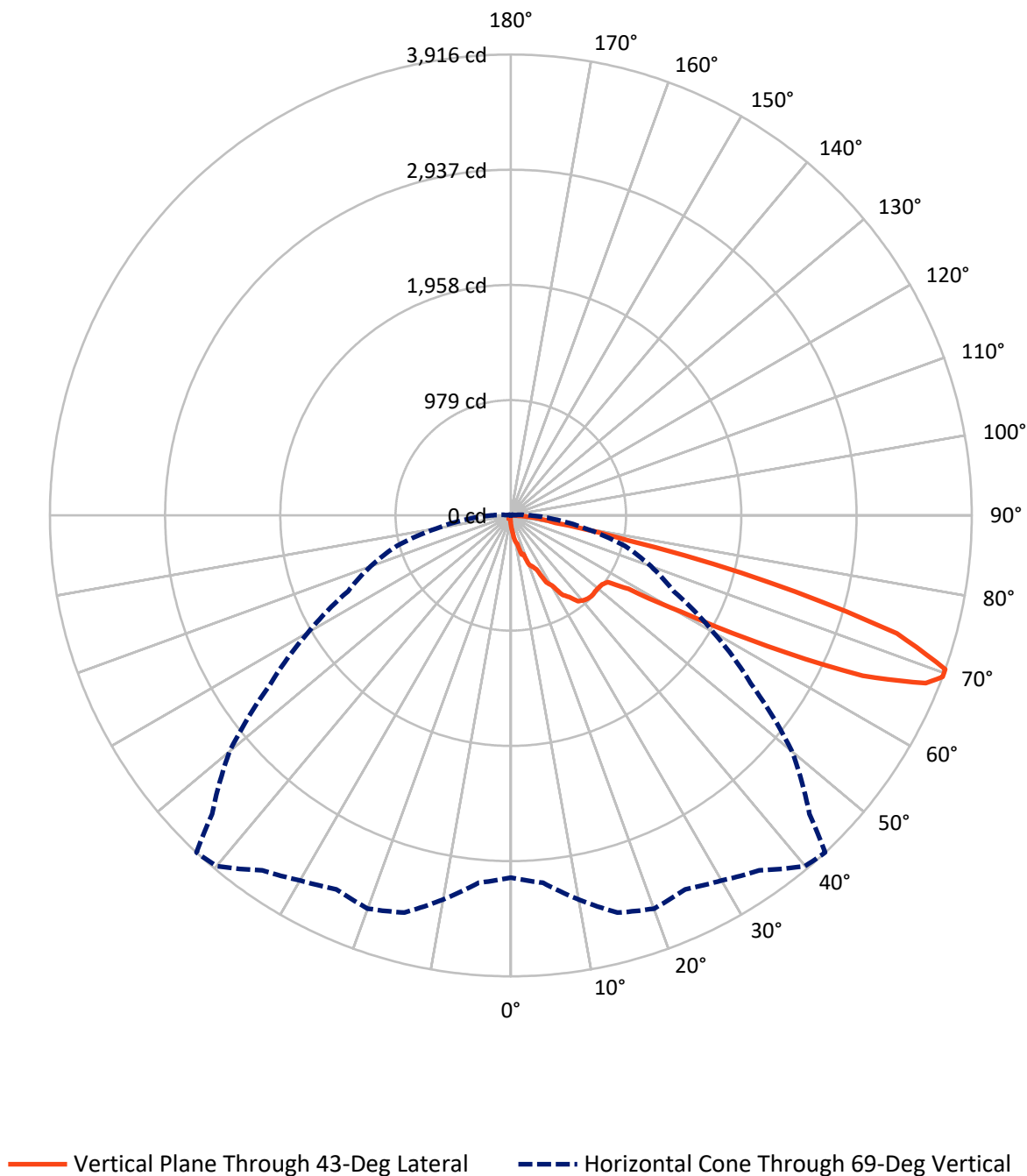


Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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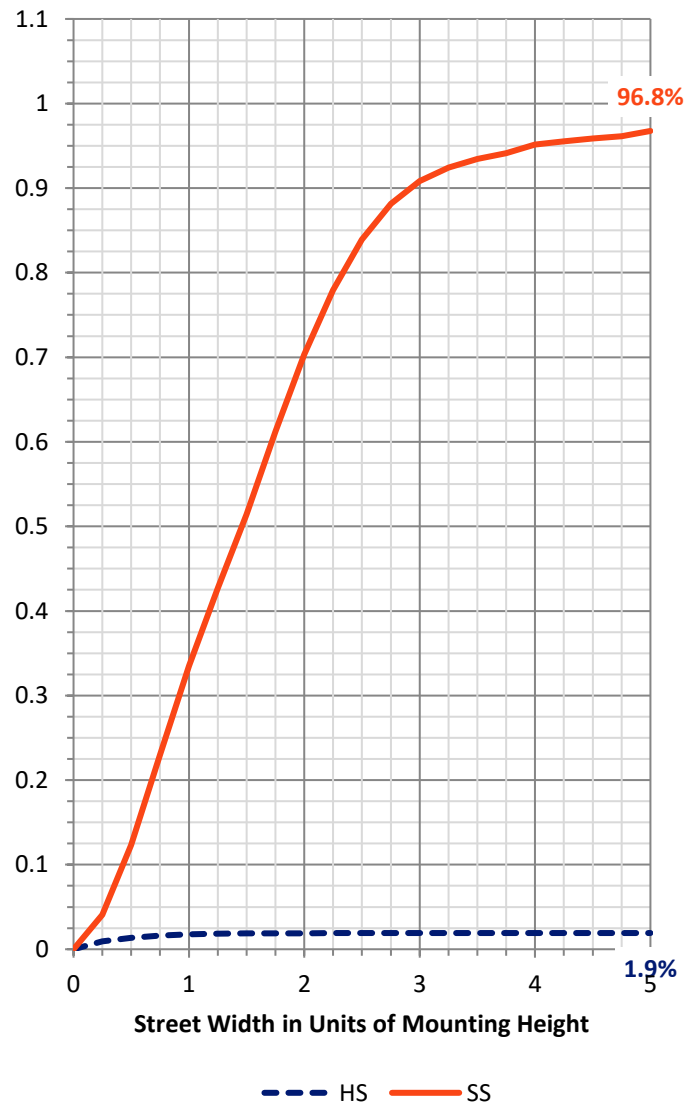
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	63.3	0.0	63.3
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	3201.9	0.0	3201.9
	% Fixture	98.1	0.0	98.1
Total	Lumens	3265.3	0.0	3265.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.1	0.3
10°-20°	45.3	1.4
20°-30°	125.1	3.8
30°-40°	262.2	8.0
40°-50°	378.7	11.6
50°-60°	587.4	18.0
60°-70°	1240.3	38.0
70°-80°	551.7	16.9
80°-90°	65.5	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°	3265.3	100.0
0°-180°	3265.3	100.0

Coefficient of Utilization



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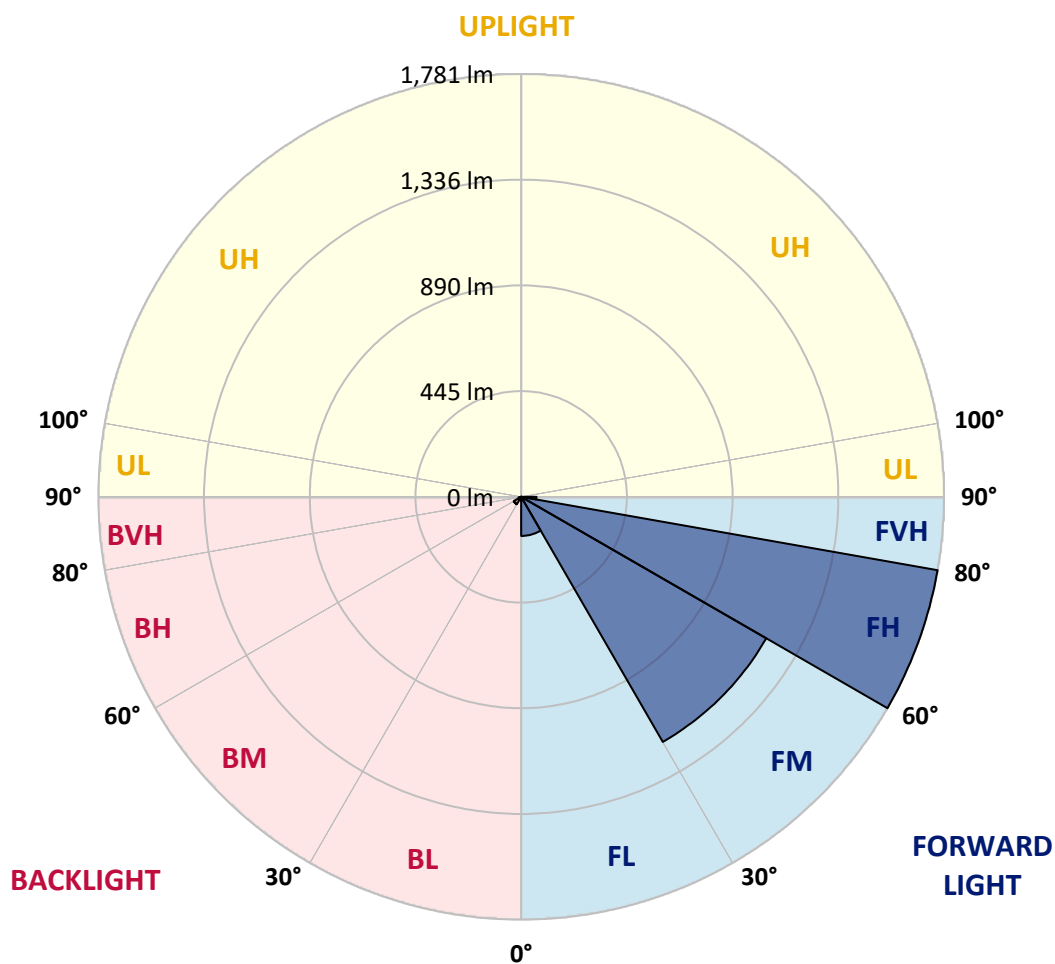
CATALOG NUMBER: UTLD-E02-LED-E-U-SL4-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	164.6	5.0			
FM	(30°-60°)	1192.1	36.5			
FH	(60°-80°)	1780.8	54.5			G1/1800
FVH	(80°-90°)	64.4	2.0			G1/100
BL	(0°-30°)	15.0	0.5	B0/110		
BM	(30°-60°)	36.1	1.1	B0/220		
BH	(60°-80°)	11.1	0.3	B0/110		G0/110
BVH	(80°-90°)	1.1	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°	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
2.5°	120.6	120.6	119.6	118.7	116.0	115.1	112.3	110.5	111.4	110.5	109.6
5°	154.4	151.6	148.0	142.5	140.7	137.9	136.1	131.5	129.7	128.8	127.0
7.5°	255.7	249.3	245.7	244.8	242.0	239.3	232.0	225.6	219.2	195.5	161.7
10°	274.9	275.8	276.7	271.3	273.1	264.0	254.8	249.3	245.7	232.0	223.8
12.5°	361.7	356.2	355.3	358.9	350.7	346.2	336.1	319.7	264.9	246.6	253.0
15°	419.2	426.5	400.0	368.1	360.8	353.5	332.5	336.1	360.8	344.3	326.1
17.5°	451.2	453.0	448.5	444.8	432.0	423.8	438.4	371.7	364.4	345.2	332.5
20°	565.4	567.2	559.0	520.6	473.1	449.4	463.1	437.5	428.4	447.5	380.9
22.5°	618.3	620.2	612.9	601.9	580.9	585.5	553.5	470.4	476.8	473.1	427.4
25°	759.0	763.6	755.3	737.1	719.7	637.5	602.8	602.8	549.8	507.8	483.2
27.5°	907.0	889.6	834.8	811.1	798.3	756.3	753.5	659.4	630.2	643.9	560.8
30°	1007.4	1010.2	1001.0	961.8	937.1	926.1	823.8	772.7	704.2	692.3	611.0
32.5°	1204.7	1205.6	1186.4	1168.2	1054.0	1005.6	935.3	869.5	768.1	802.8	698.7
35°	1393.8	1398.3	1347.2	1244.9	1211.1	1119.8	1032.1	920.7	853.1	851.2	742.6
37.5°	1505.2	1505.2	1466.8	1392.9	1357.2	1231.2	1090.5	1007.4	885.9	924.3	801.9
40°	1646.8	1643.1	1610.2	1523.5	1420.3	1273.2	1160.9	1046.7	943.5	949.0	841.2
42.5°	1703.4	1698.8	1676.0	1588.3	1450.4	1325.3	1178.2	1057.7	957.2	964.5	859.5
45°	1731.7	1727.1	1702.5	1606.6	1462.3	1331.7	1172.7	1051.3	959.9	969.1	869.5
47.5°	1725.3	1718.9	1698.8	1618.5	1497.9	1327.1	1137.1	1037.6	955.4	964.5	873.2
50°	1690.6	1688.8	1670.5	1598.4	1494.2	1308.8	1117.0	1023.9	954.5	965.4	880.5
52.5°	1670.5	1672.3	1655.0	1604.8	1474.1	1302.4	1128.0	1028.4	959.9	972.7	891.4
55°	1933.6	1899.8	1833.1	1728.1	1541.7	1357.2	1180.0	1061.3	987.3	1000.1	917.0
57.5°	2805.8	2774.8	2636.8	2382.0	2021.2	1656.8	1381.0	1213.8	1143.5	1178.2	1108.8
60°	3318.2	3282.6	3247.9	3132.8	2831.4	2506.2	2011.2	1739.0	1608.4	1663.2	1594.7
62.5°	3531.0	3528.3	3511.8	3490.8	3281.7	3132.8	2763.8	2500.8	2402.1	2442.3	2297.1
65°	3664.4	3681.7	3685.4	3696.3	3560.2	3447.0	3231.4	3163.8	3294.5	3285.3	3014.1
67.5°	3570.3	3580.3	3640.6	3734.7	3667.1	3562.1	3531.9	3587.6	3755.7	3803.2	3467.1
69°	3077.1	3131.9	3312.7	3492.7	3554.8	3504.5	3580.3	3680.8	3888.1	3915.5	3588.6
70°	2453.3	2551.9	2754.7	3131.0	3279.8	3286.2	3507.3	3665.3	3899.1	3914.6	3595.9
72.5°	1102.4	1120.7	1232.1	1432.1	2000.2	2193.9	2735.5	3227.8	3467.1	3430.5	3123.7
75°	744.4	752.6	746.2	755.3	864.0	1039.4	1326.2	2054.1	2341.8	2266.9	1981.1
77.5°	616.5	615.6	603.7	595.5	599.2	624.7	622.9	712.4	987.3	1014.7	891.4
80°	552.6	547.1	537.0	520.6	503.3	478.6	453.0	403.7	369.9	382.7	337.9
82.5°	299.6	289.5	312.4	334.3	384.5	405.5	372.6	311.5	279.5	262.1	233.8
85°	70.3	67.6	79.5	110.5	189.1	192.7	187.2	154.4	134.3	125.1	113.3
87.5°	18.3	18.3	19.2	19.2	93.2	106.9	86.8	39.3	30.1	26.5	22.8
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°	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
2.5°	107.8	106.9	105.0	105.0	103.2	98.6	85.9	74.0	66.7	63.9	61.2
5°	122.4	118.7	114.2	109.6	105.0	102.3	100.5	81.3	63.0	58.5	53.9
7.5°	139.7	131.5	124.2	116.9	110.5	100.5	95.0	90.4	61.2	53.9	49.3
10°	211.0	201.9	141.6	140.7	125.1	114.2	109.6	105.0	73.1	62.1	53.9
12.5°	251.2	238.4	214.6	176.3	130.6	123.3	107.8	96.8	69.4	54.8	50.2
15°	266.7	251.2	226.5	215.6	168.1	146.1	123.3	111.4	76.7	65.8	53.9
17.5°	329.7	321.5	255.7	232.0	201.9	145.2	127.0	98.6	76.7	58.5	51.1
20°	357.1	336.1	288.6	274.9	244.8	199.1	151.6	130.6	94.1	76.7	58.5
22.5°	401.0	395.5	363.5	290.4	256.7	216.5	157.1	137.0	102.3	74.0	55.7
25°	480.4	422.0	380.0	369.0	318.8	265.8	199.1	150.7	110.5	77.6	61.2
27.5°	519.7	488.6	441.1	399.1	327.9	274.9	222.9	164.4	118.7	84.0	63.0
30°	627.5	521.5	485.9	443.0	366.3	291.4	226.5	171.7	117.8	82.2	63.9
32.5°	670.4	599.2	535.2	465.8	411.9	327.0	251.2	174.4	122.4	84.9	70.3
35°	729.8	641.2	593.7	525.2	443.9	355.3	257.6	179.9	116.0	82.2	69.4
37.5°	780.0	685.0	607.4	544.4	456.7	363.5	265.8	185.4	119.6	80.4	66.7
40°	806.5	706.0	617.4	558.1	455.8	368.1	281.3	179.0	116.0	78.5	62.1
42.5°	828.4	728.9	633.9	572.7	474.0	388.2	285.9	188.2	115.1	78.5	57.5
45°	843.0	749.9	670.4	590.0	497.8	410.1	292.3	190.0	116.9	78.5	53.9
47.5°	851.2	775.4	706.9	615.6	539.8	453.0	329.7	207.3	119.6	75.8	50.2
50°	862.2	802.8	737.1	648.5	584.5	477.7	358.0	216.5	123.3	71.2	47.5
52.5°	870.4	817.4	757.2	689.6	648.5	554.4	428.4	259.4	133.3	68.5	44.8
55°	909.7	882.3	878.6	897.8	927.1	908.8	736.2	445.7	205.5	80.4	51.1
57.5°	1170.0	1219.3	1308.8	1385.6	1363.6	1319.8	1058.6	616.5	278.6	87.7	59.4
60°	1703.4	1752.7	1788.3	1751.8	1629.4	1524.4	1193.7	698.7	310.5	73.1	46.6
62.5°	2279.7	2189.3	2079.7	1915.3	1777.4	1576.4	1256.8	745.3	318.8	62.1	34.7
65°	2780.2	2495.3	2246.8	1951.8	1781.9	1569.1	1241.2	726.1	305.1	51.1	28.3
67.5°	3083.5	2597.6	2210.3	1807.5	1560.0	1314.3	959.0	558.1	233.8	41.1	23.7
69°	3118.2	2489.8	1989.3	1526.2	1268.6	1002.9	642.1	369.0	163.5	34.7	21.0
70°	3054.2	2340.9	1739.0	1277.8	1012.0	744.4	467.6	271.3	117.8	31.1	20.1
72.5°	2467.0	1622.1	997.4	628.4	443.9	308.7	189.1	110.5	50.2	22.8	17.4
75°	1352.7	696.9	394.6	261.2	202.8	155.3	106.9	59.4	29.2	19.2	14.6
77.5°	497.8	314.2	225.6	179.0	117.8	67.6	45.7	33.8	23.7	15.5	11.0
80°	298.7	218.3	158.9	84.9	56.6	42.9	32.9	26.5	19.2	11.9	7.3
82.5°	190.9	129.7	68.5	50.2	40.2	32.0	25.6	21.9	13.7	8.2	3.7
85°	87.7	52.1	41.1	35.6	31.1	28.3	26.5	21.9	11.0	4.6	2.7
87.5°	20.1	19.2	22.8	21.0	20.1	19.2	17.4	14.6	5.5	3.7	2.7
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
2.5°	59.4	57.5	55.7	54.8	53.0	53.0	51.1	51.1	50.2	49.3	50.2
5°	50.2	48.4	46.6	44.8	42.9	41.1	42.0	42.9	42.9	43.8	38.4
7.5°	46.6	43.8	40.2	38.4	37.4	18.3	14.6	13.7	12.8	13.7	13.7
10°	47.5	42.9	40.2	16.4	11.9	11.9	11.9	11.9	12.8	15.5	19.2
12.5°	44.8	39.3	21.0	19.2	17.4	16.4	19.2	18.3	18.3	18.3	18.3
15°	50.2	28.3	21.9	19.2	21.0	22.8	22.8	21.9	18.3	18.3	21.9
17.5°	32.0	26.5	24.7	29.2	28.3	23.7	21.9	24.7	25.6	23.7	21.0
20°	42.0	37.4	33.8	29.2	27.4	27.4	30.1	25.6	23.7	24.7	25.6
22.5°	42.9	40.2	42.0	39.3	36.5	29.2	28.3	27.4	28.3	26.5	25.6
25°	53.9	54.8	49.3	40.2	38.4	35.6	32.9	27.4	28.3	25.6	27.4
27.5°	57.5	53.9	49.3	47.5	43.8	35.6	35.6	30.1	28.3	28.3	24.7
30°	60.3	54.8	51.1	46.6	42.0	39.3	34.7	31.1	28.3	27.4	26.5
32.5°	63.9	56.6	49.3	45.7	42.0	36.5	35.6	31.1	28.3	25.6	25.6
35°	59.4	53.0	48.4	44.8	38.4	34.7	32.9	30.1	26.5	25.6	23.7
37.5°	53.9	48.4	44.8	40.2	36.5	32.0	31.1	27.4	25.6	23.7	22.8
40°	49.3	43.8	40.2	36.5	32.9	29.2	27.4	24.7	21.9	21.0	21.0
42.5°	46.6	40.2	35.6	32.9	29.2	26.5	24.7	21.9	20.1	19.2	19.2
45°	42.9	36.5	32.0	28.3	25.6	23.7	21.9	19.2	17.4	17.4	17.4
47.5°	41.1	33.8	29.2	25.6	22.8	21.0	19.2	16.4	14.6	15.5	15.5
50°	38.4	31.1	25.6	23.7	21.0	19.2	17.4	14.6	13.7	13.7	13.7
52.5°	35.6	27.4	22.8	21.0	19.2	17.4	14.6	11.9	11.0	11.9	11.0
55°	35.6	24.7	20.1	18.3	16.4	14.6	11.9	10.0	9.1	8.2	7.3
57.5°	42.0	24.7	17.4	16.4	14.6	11.9	9.1	7.3	6.4	4.6	3.7
60°	36.5	24.7	15.5	14.6	12.8	10.0	7.3	5.5	3.7	2.7	1.8
62.5°	25.6	19.2	13.7	12.8	10.0	7.3	4.6	2.7	1.8	0.9	0.9
65°	21.9	15.5	12.8	11.0	8.2	5.5	2.7	1.8	0.9	0.9	0.9
67.5°	19.2	14.6	11.0	9.1	7.3	3.7	1.8	0.9	0.9	0.9	0.9
69°	17.4	13.7	11.0	8.2	6.4	2.7	1.8	0.9	0.9	0.9	0.9
70°	16.4	12.8	10.0	8.2	5.5	2.7	0.9	0.9	0.9	0.9	0.9
72.5°	13.7	10.0	8.2	7.3	4.6	1.8	0.9	0.9	0.9	0.9	0.9
75°	10.0	8.2	5.5	5.5	3.7	1.8	0.9	0.9	0.9	0.9	0.0
77.5°	7.3	5.5	3.7	3.7	2.7	1.8	0.9	0.9	0.9	0.9	0.0
80°	4.6	3.7	2.7	2.7	1.8	1.8	0.0	0.9	0.9	0.9	0.9
82.5°	2.7	2.7	2.7	1.8	1.8	1.8	0.9	1.8	0.9	0.9	0.9
85°	2.7	2.7	2.7	1.8	1.8	1.8	0.9	1.8	1.8	1.8	0.9
87.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.9	2.7	2.7	1.8	1.8
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):

	160°	165°	170°	175°	180°
0°	72.2	72.2	72.2	72.2	72.2
2.5°	50.2	50.2	51.1	52.1	52.1
5°	29.2	20.1	21.0	21.0	21.0
7.5°	13.7	13.7	14.6	14.6	14.6
10°	21.0	21.0	21.0	21.0	21.9
12.5°	19.2	20.1	20.1	20.1	21.0
15°	22.8	23.7	24.7	24.7	25.6
17.5°	21.0	21.0	22.8	22.8	22.8
20°	24.7	24.7	24.7	24.7	24.7
22.5°	21.9	22.8	25.6	26.5	27.4
25°	25.6	24.7	24.7	24.7	24.7
27.5°	25.6	25.6	26.5	26.5	26.5
30°	25.6	23.7	23.7	24.7	25.6
32.5°	25.6	25.6	24.7	24.7	24.7
35°	23.7	25.6	25.6	25.6	25.6
37.5°	22.8	22.8	25.6	26.5	26.5
40°	21.9	22.8	23.7	27.4	27.4
42.5°	21.0	22.8	24.7	26.5	26.5
45°	20.1	21.9	22.8	24.7	24.7
47.5°	18.3	20.1	21.0	21.9	21.9
50°	16.4	16.4	17.4	17.4	16.4
52.5°	11.9	11.9	11.0	11.0	11.0
55°	7.3	6.4	6.4	6.4	5.5
57.5°	3.7	3.7	2.7	2.7	2.7
60°	1.8	0.9	0.9	0.9	0.9
62.5°	0.9	0.9	0.0	0.0	0.0
65°	0.9	0.9	0.0	0.0	0.0
67.5°	0.9	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°	0.9	0.0	0.0	0.0	0.0
85°	0.9	0.9	0.9	0.0	0.0
87.5°	1.8	0.9	0.9	0.9	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)