

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: P179289

Luminaire Tested: **UTLD-E01-LED-E-U-SL4-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179289
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-E01-LED-E-U-SL4-HSS-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1632.7 lumens
Efficiency: N/A
Efficacy: 66.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 24.7
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



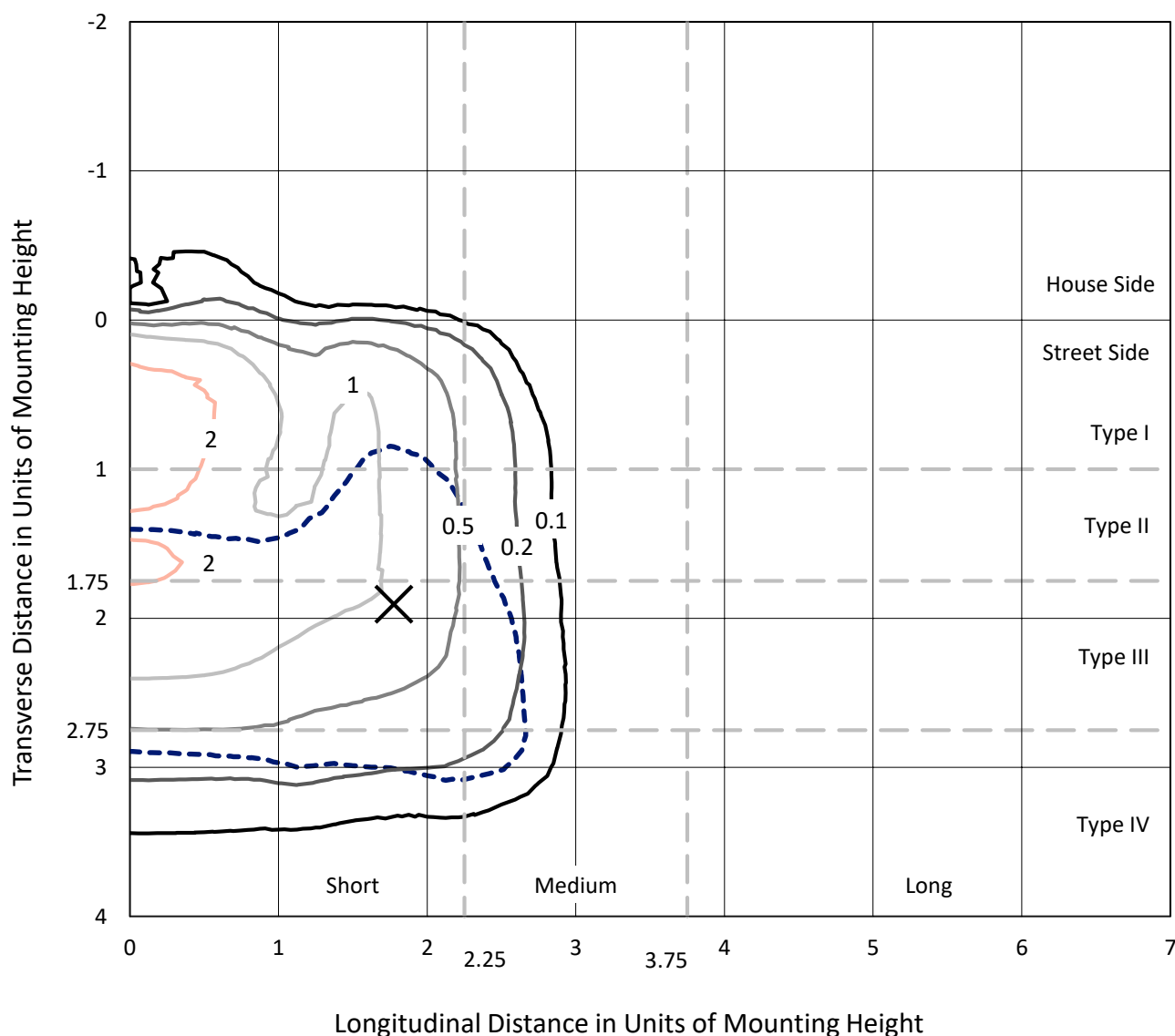
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

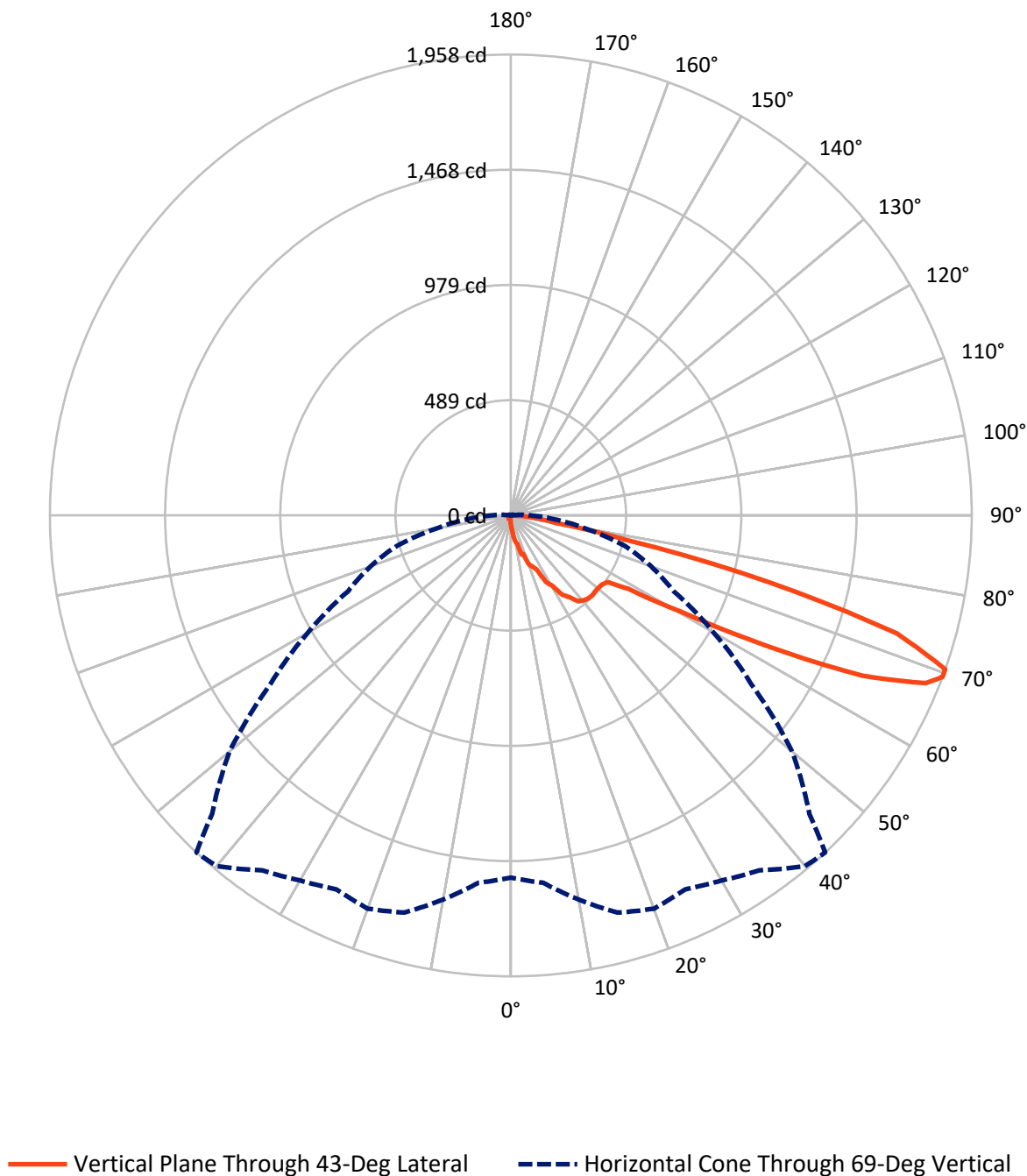


Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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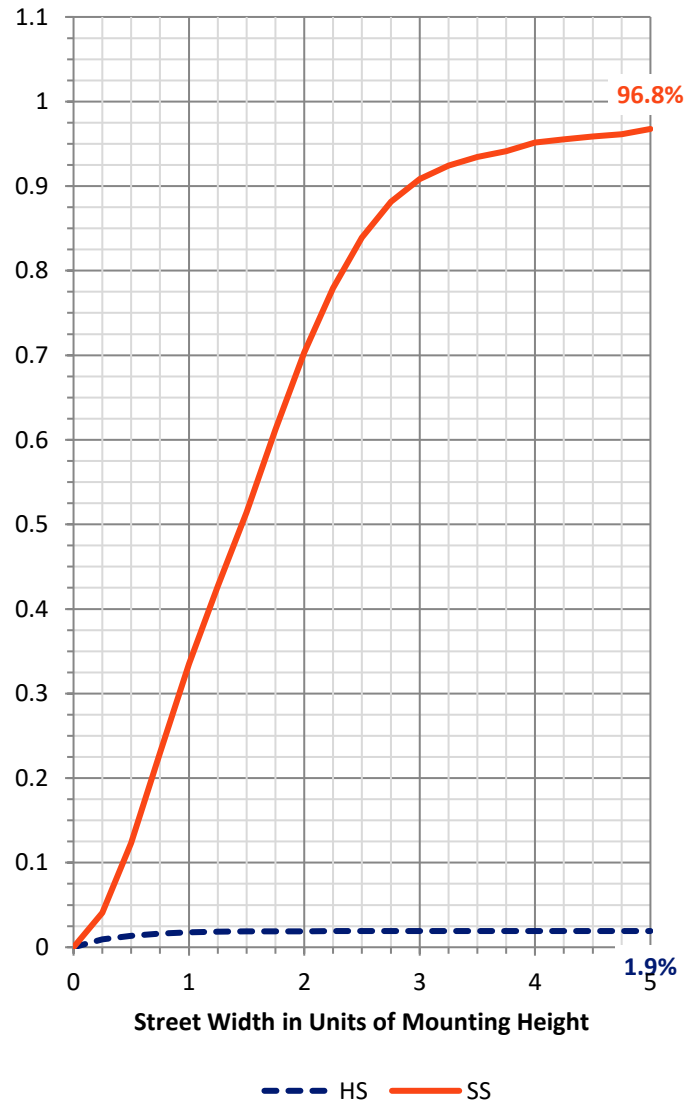
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	31.7	0.0	31.7
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	1601.0	0.0	1601.0
	% Fixture	98.1	0.0	98.1
Total	Lumens	1632.7	0.0	1632.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	0.3
10°-20°	22.6	1.4
20°-30°	62.6	3.8
30°-40°	131.1	8.0
40°-50°	189.3	11.6
50°-60°	293.7	18.0
60°-70°	620.2	38.0
70°-80°	275.8	16.9
80°-90°	32.7	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°	1632.7	100.0
0°-180°	1632.7	100.0

Coefficient of Utilization



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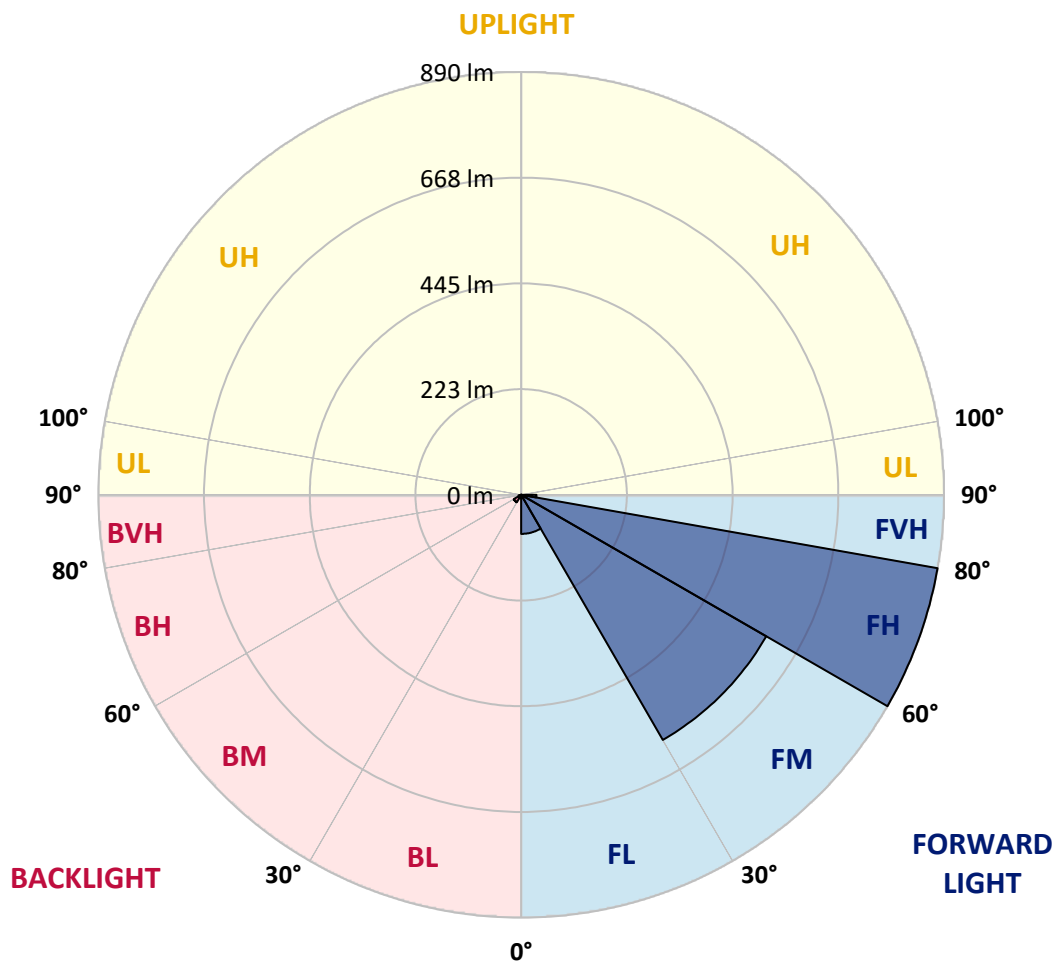
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	82.3	5.0			
FM	(30°-60°)	596.1	36.5			
FH	(60°-80°)	890.4	54.5			G1/1800
FVH	(80°-90°)	32.2	2.0			G1/100
BL	(0°-30°)	7.5	0.5	B0/110		
BM	(30°-60°)	18.1	1.1	B0/220		
BH	(60°-80°)	5.6	0.3	B0/110		G0/110
BVH	(80°-90°)	0.5	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°	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
2.5°	60.3	60.3	59.8	59.4	58.0	57.5	56.2	55.3	55.7	55.3	54.8
5°	77.2	75.8	74.0	71.2	70.3	69.0	68.0	65.8	64.8	64.4	63.5
7.5°	127.9	124.7	122.8	122.4	121.0	119.6	116.0	112.8	109.6	97.7	80.8
10°	137.5	137.9	138.4	135.6	136.5	132.0	127.4	124.7	122.8	116.0	111.9
12.5°	180.8	178.1	177.6	179.5	175.4	173.1	168.1	159.8	132.4	123.3	126.5
15°	209.6	213.3	200.0	184.0	180.4	176.7	166.2	168.1	180.4	172.2	163.0
17.5°	225.6	226.5	224.2	222.4	216.0	211.9	219.2	185.9	182.2	172.6	166.2
20°	282.7	283.6	279.5	260.3	236.6	224.7	231.5	218.7	214.2	223.8	190.4
22.5°	309.2	310.1	306.4	300.9	290.4	292.7	276.7	235.2	238.4	236.6	213.7
25°	379.5	381.8	377.7	368.5	359.9	318.8	301.4	301.4	274.9	253.9	241.6
27.5°	453.5	444.8	417.4	405.5	399.1	378.1	376.8	329.7	315.1	322.0	280.4
30°	503.7	505.1	500.5	480.9	468.5	463.1	411.9	386.3	352.1	346.2	305.5
32.5°	602.4	602.8	593.2	584.1	527.0	502.8	467.6	434.8	384.1	401.4	349.4
35°	696.9	699.2	673.6	622.4	605.6	559.9	516.0	460.3	426.5	425.6	371.3
37.5°	752.6	752.6	733.4	696.4	678.6	615.6	545.3	503.7	443.0	462.2	401.0
40°	823.4	821.6	805.1	761.7	710.1	636.6	580.4	523.3	471.7	474.5	420.6
42.5°	851.7	849.4	838.0	794.2	725.2	662.6	589.1	528.8	478.6	482.2	429.7
45°	865.9	863.6	851.2	803.3	731.1	665.8	586.4	525.6	480.0	484.5	434.8
47.5°	862.7	859.5	849.4	809.2	748.9	663.5	568.6	518.8	477.7	482.2	436.6
50°	845.3	844.4	835.3	799.2	747.1	654.4	558.5	511.9	477.2	482.7	440.2
52.5°	835.3	836.2	827.5	802.4	737.1	651.2	564.0	514.2	480.0	486.4	445.7
55°	966.8	949.9	916.5	864.0	770.9	678.6	590.0	530.7	493.7	500.1	458.5
57.5°	1402.9	1387.4	1318.4	1191.0	1010.6	828.4	690.5	606.9	571.8	589.1	554.4
60°	1659.1	1641.3	1623.9	1566.4	1415.7	1253.1	1005.6	869.5	804.2	831.6	797.4
62.5°	1765.5	1764.1	1755.9	1745.4	1640.8	1566.4	1381.9	1250.4	1201.1	1221.1	1148.5
65°	1832.2	1840.9	1842.7	1848.2	1780.1	1723.5	1615.7	1581.9	1647.2	1642.7	1507.0
67.5°	1785.1	1790.2	1820.3	1867.3	1833.6	1781.0	1766.0	1793.8	1877.8	1901.6	1733.5
69°	1538.5	1565.9	1656.4	1746.3	1777.4	1752.3	1790.2	1840.4	1944.1	1957.8	1794.3
70°	1226.6	1276.0	1377.3	1565.5	1639.9	1643.1	1753.6	1832.6	1949.5	1957.3	1797.9
72.5°	551.2	560.3	616.1	716.1	1000.1	1096.9	1367.7	1613.9	1733.5	1715.3	1561.8
75°	372.2	376.3	373.1	377.7	432.0	519.7	663.1	1027.1	1170.9	1133.5	990.5
77.5°	308.3	307.8	301.9	297.8	299.6	312.4	311.5	356.2	493.7	507.4	445.7
80°	276.3	273.5	268.5	260.3	251.6	239.3	226.5	201.9	185.0	191.3	169.0
82.5°	149.8	144.8	156.2	167.1	192.3	202.8	186.3	155.7	139.7	131.1	116.9
85°	35.2	33.8	39.7	55.3	94.5	96.4	93.6	77.2	67.1	62.6	56.6
87.5°	9.1	9.1	9.6	9.6	46.6	53.4	43.4	19.6	15.1	13.2	11.4
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°	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
2.5°	53.9	53.4	52.5	52.5	51.6	49.3	42.9	37.0	33.3	32.0	30.6
5°	61.2	59.4	57.1	54.8	52.5	51.1	50.2	40.6	31.5	29.2	26.9
7.5°	69.9	65.8	62.1	58.5	55.3	50.2	47.5	45.2	30.6	26.9	24.7
10°	105.5	100.9	70.8	70.3	62.6	57.1	54.8	52.5	36.5	31.1	26.9
12.5°	125.6	119.2	107.3	88.1	65.3	61.7	53.9	48.4	34.7	27.4	25.1
15°	133.3	125.6	113.3	107.8	84.0	73.1	61.7	55.7	38.4	32.9	26.9
17.5°	164.9	160.7	127.9	116.0	100.9	72.6	63.5	49.3	38.4	29.2	25.6
20°	178.6	168.1	144.3	137.5	122.4	99.6	75.8	65.3	47.0	38.4	29.2
22.5°	200.5	197.7	181.8	145.2	128.3	108.2	78.5	68.5	51.1	37.0	27.9
25°	240.2	211.0	190.0	184.5	159.4	132.9	99.6	75.4	55.3	38.8	30.6
27.5°	259.8	244.3	220.6	199.6	163.9	137.5	111.4	82.2	59.4	42.0	31.5
30°	313.7	260.8	243.0	221.5	183.1	145.7	113.3	85.9	58.9	41.1	32.0
32.5°	335.2	299.6	267.6	232.9	206.0	163.5	125.6	87.2	61.2	42.5	35.2
35°	364.9	320.6	296.8	262.6	221.9	177.6	128.8	90.0	58.0	41.1	34.7
37.5°	390.0	342.5	303.7	272.2	228.3	181.8	132.9	92.7	59.8	40.2	33.3
40°	403.2	353.0	308.7	279.0	227.9	184.0	140.7	89.5	58.0	39.3	31.1
42.5°	414.2	364.4	316.9	286.3	237.0	194.1	142.9	94.1	57.5	39.3	28.8
45°	421.5	374.9	335.2	295.0	248.9	205.0	146.1	95.0	58.5	39.3	26.9
47.5°	425.6	387.7	353.5	307.8	269.9	226.5	164.9	103.7	59.8	37.9	25.1
50°	431.1	401.4	368.5	324.2	292.3	238.8	179.0	108.2	61.7	35.6	23.7
52.5°	435.2	408.7	378.6	344.8	324.2	277.2	214.2	129.7	66.7	34.3	22.4
55°	454.8	441.1	439.3	448.9	463.5	454.4	368.1	222.9	102.8	40.2	25.6
57.5°	585.0	609.7	654.4	692.8	681.8	659.9	529.3	308.3	139.3	43.8	29.7
60°	851.7	876.4	894.2	875.9	814.7	762.2	596.9	349.4	155.3	36.5	23.3
62.5°	1139.9	1094.7	1039.8	957.6	888.7	788.2	628.4	372.6	159.4	31.1	17.4
65°	1390.1	1247.6	1123.4	975.9	891.0	784.6	620.6	363.1	152.5	25.6	14.2
67.5°	1541.7	1298.8	1105.2	903.8	780.0	657.2	479.5	279.0	116.9	20.6	11.9
69°	1559.1	1244.9	994.6	763.1	634.3	501.4	321.0	184.5	81.7	17.4	10.5
70°	1527.1	1170.5	869.5	638.9	506.0	372.2	233.8	135.6	58.9	15.5	10.0
72.5°	1233.5	811.1	498.7	314.2	221.9	154.4	94.5	55.3	25.1	11.4	8.7
75°	676.3	348.4	197.3	130.6	101.4	77.6	53.4	29.7	14.6	9.6	7.3
77.5°	248.9	157.1	112.8	89.5	58.9	33.8	22.8	16.9	11.9	7.8	5.5
80°	149.3	109.1	79.5	42.5	28.3	21.5	16.4	13.2	9.6	5.9	3.7
82.5°	95.4	64.8	34.3	25.1	20.1	16.0	12.8	11.0	6.9	4.1	1.8
85°	43.8	26.0	20.6	17.8	15.5	14.2	13.2	11.0	5.5	2.3	1.4
87.5°	10.0	9.6	11.4	10.5	10.0	9.6	8.7	7.3	2.7	1.8	1.4
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°	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
2.5°	29.7	28.8	27.9	27.4	26.5	26.5	25.6	25.6	25.1	24.7	25.1
5°	25.1	24.2	23.3	22.4	21.5	20.6	21.0	21.5	21.5	21.9	19.2
7.5°	23.3	21.9	20.1	19.2	18.7	9.1	7.3	6.9	6.4	6.9	6.9
10°	23.7	21.5	20.1	8.2	5.9	5.9	5.9	5.9	6.4	7.8	9.6
12.5°	22.4	19.6	10.5	9.6	8.7	8.2	9.6	9.1	9.1	9.1	9.1
15°	25.1	14.2	11.0	9.6	10.5	11.4	11.4	11.0	9.1	9.1	11.0
17.5°	16.0	13.2	12.3	14.6	14.2	11.9	11.0	12.3	12.8	11.9	10.5
20°	21.0	18.7	16.9	14.6	13.7	13.7	15.1	12.8	11.9	12.3	12.8
22.5°	21.5	20.1	21.0	19.6	18.3	14.6	14.2	13.7	14.2	13.2	12.8
25°	26.9	27.4	24.7	20.1	19.2	17.8	16.4	13.7	14.2	12.8	13.7
27.5°	28.8	26.9	24.7	23.7	21.9	17.8	17.8	15.1	14.2	14.2	12.3
30°	30.1	27.4	25.6	23.3	21.0	19.6	17.4	15.5	14.2	13.7	13.2
32.5°	32.0	28.3	24.7	22.8	21.0	18.3	17.8	15.5	14.2	12.8	12.8
35°	29.7	26.5	24.2	22.4	19.2	17.4	16.4	15.1	13.2	12.8	11.9
37.5°	26.9	24.2	22.4	20.1	18.3	16.0	15.5	13.7	12.8	11.9	11.4
40°	24.7	21.9	20.1	18.3	16.4	14.6	13.7	12.3	11.0	10.5	10.5
42.5°	23.3	20.1	17.8	16.4	14.6	13.2	12.3	11.0	10.0	9.6	9.6
45°	21.5	18.3	16.0	14.2	12.8	11.9	11.0	9.6	8.7	8.7	8.7
47.5°	20.6	16.9	14.6	12.8	11.4	10.5	9.6	8.2	7.3	7.8	7.8
50°	19.2	15.5	12.8	11.9	10.5	9.6	8.7	7.3	6.9	6.9	6.9
52.5°	17.8	13.7	11.4	10.5	9.6	8.7	7.3	5.9	5.5	5.9	5.5
55°	17.8	12.3	10.0	9.1	8.2	7.3	5.9	5.0	4.6	4.1	3.7
57.5°	21.0	12.3	8.7	8.2	7.3	5.9	4.6	3.7	3.2	2.3	1.8
60°	18.3	12.3	7.8	7.3	6.4	5.0	3.7	2.7	1.8	1.4	0.9
62.5°	12.8	9.6	6.9	6.4	5.0	3.7	2.3	1.4	0.9	0.5	0.5
65°	11.0	7.8	6.4	5.5	4.1	2.7	1.4	0.9	0.5	0.5	0.5
67.5°	9.6	7.3	5.5	4.6	3.7	1.8	0.9	0.5	0.5	0.5	0.5
69°	8.7	6.9	5.5	4.1	3.2	1.4	0.9	0.5	0.5	0.5	0.5
70°	8.2	6.4	5.0	4.1	2.7	1.4	0.5	0.5	0.5	0.5	0.5
72.5°	6.9	5.0	4.1	3.7	2.3	0.9	0.5	0.5	0.5	0.5	0.5
75°	5.0	4.1	2.7	2.7	1.8	0.9	0.5	0.5	0.5	0.5	0.0
77.5°	3.7	2.7	1.8	1.8	1.4	0.9	0.5	0.5	0.5	0.5	0.0
80°	2.3	1.8	1.4	1.4	0.9	0.9	0.0	0.5	0.5	0.5	0.5
82.5°	1.4	1.4	1.4	0.9	0.9	0.9	0.5	0.9	0.5	0.5	0.5
85°	1.4	1.4	1.4	0.9	0.9	0.9	0.5	0.9	0.9	0.9	0.5
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.5	1.4	1.4	0.9	0.9
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°	36.1	36.1	36.1	36.1	36.1
2.5°	25.1	25.1	25.6	26.0	26.0
5°	14.6	10.0	10.5	10.5	10.5
7.5°	6.9	6.9	7.3	7.3	7.3
10°	10.5	10.5	10.5	10.5	11.0
12.5°	9.6	10.0	10.0	10.0	10.5
15°	11.4	11.9	12.3	12.3	12.8
17.5°	10.5	10.5	11.4	11.4	11.4
20°	12.3	12.3	12.3	12.3	12.3
22.5°	11.0	11.4	12.8	13.2	13.7
25°	12.8	12.3	12.3	12.3	12.3
27.5°	12.8	12.8	13.2	13.2	13.2
30°	12.8	11.9	11.9	12.3	12.8
32.5°	12.8	12.8	12.3	12.3	12.3
35°	11.9	12.8	12.8	12.8	12.8
37.5°	11.4	11.4	12.8	13.2	13.2
40°	11.0	11.4	11.9	13.7	13.7
42.5°	10.5	11.4	12.3	13.2	13.2
45°	10.0	11.0	11.4	12.3	12.3
47.5°	9.1	10.0	10.5	11.0	11.0
50°	8.2	8.2	8.7	8.7	8.2
52.5°	5.9	5.9	5.5	5.5	5.5
55°	3.7	3.2	3.2	3.2	2.7
57.5°	1.8	1.8	1.4	1.4	1.4
60°	0.9	0.5	0.5	0.5	0.5
62.5°	0.5	0.5	0.0	0.0	0.0
65°	0.5	0.5	0.0	0.0	0.0
67.5°	0.5	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°	0.5	0.0	0.0	0.0	0.0
85°	0.5	0.5	0.5	0.0	0.0
87.5°	0.9	0.5	0.5	0.5	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)