

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: P179405

Luminaire Tested: **UTLD-F03-LED-E-U-T4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179405
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34331)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-F03-LED-E-U-T4-HSS
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4302.2 lumens
Efficiency: N/A
Efficacy: 54.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 78.3
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



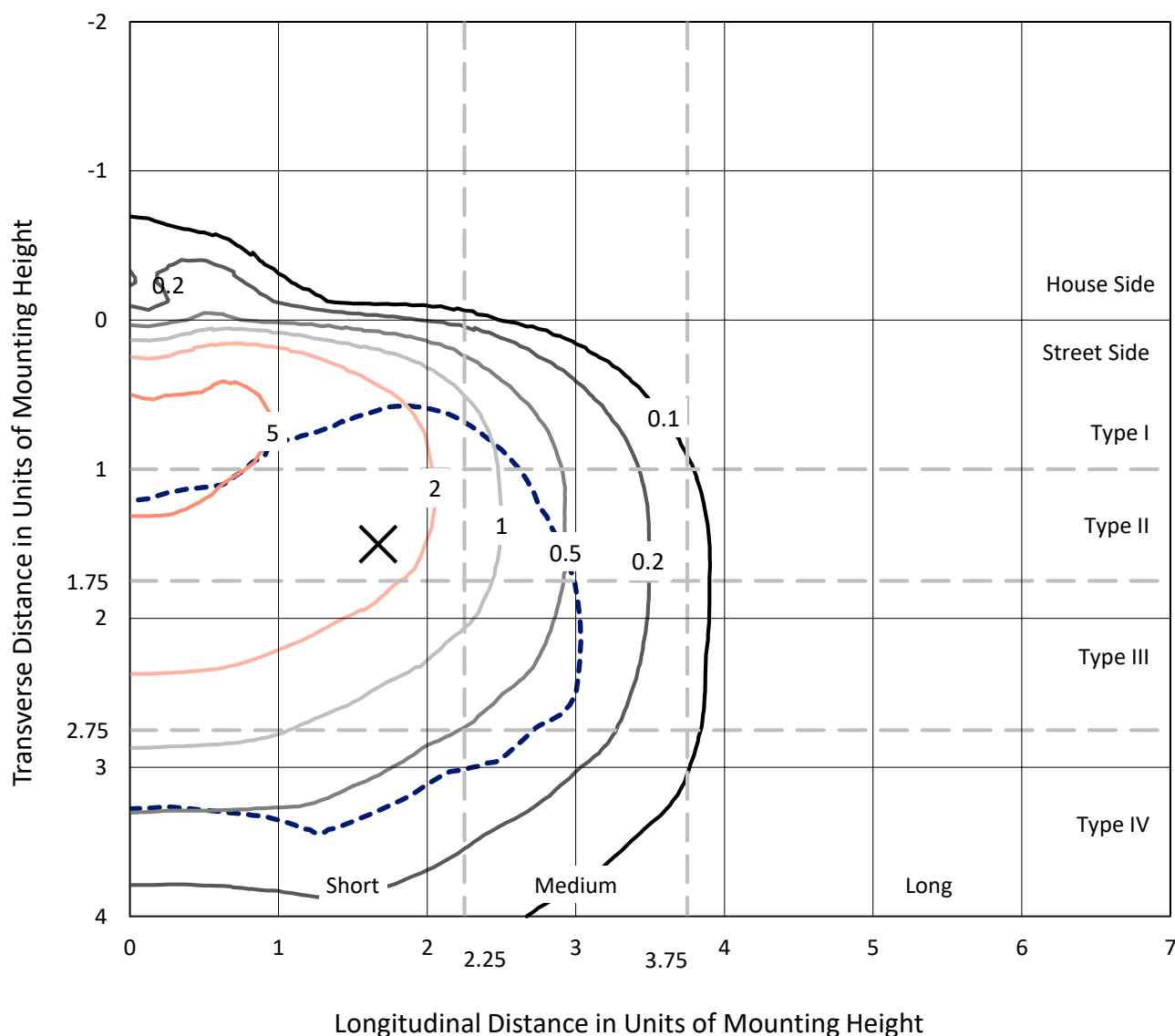
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

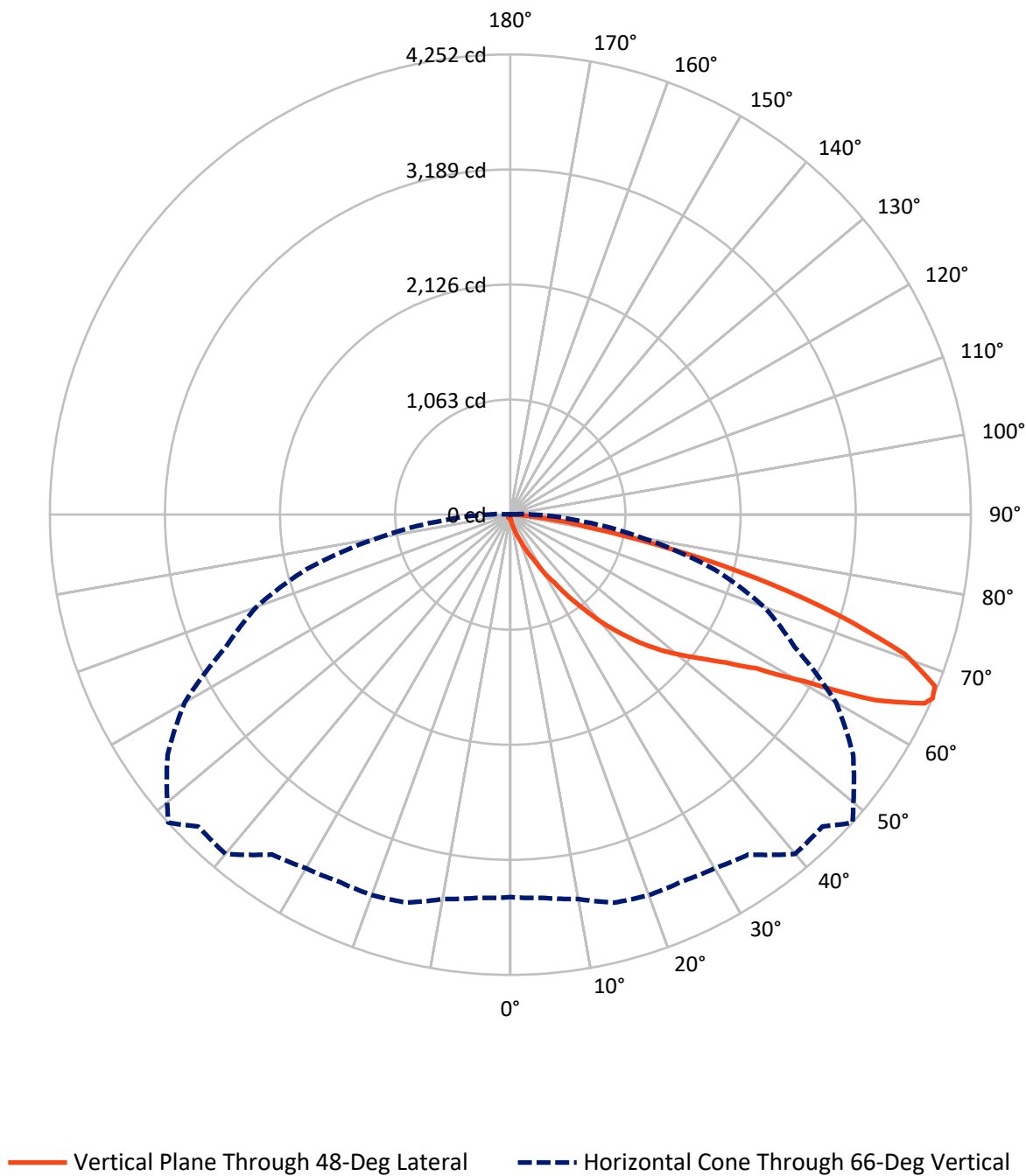


Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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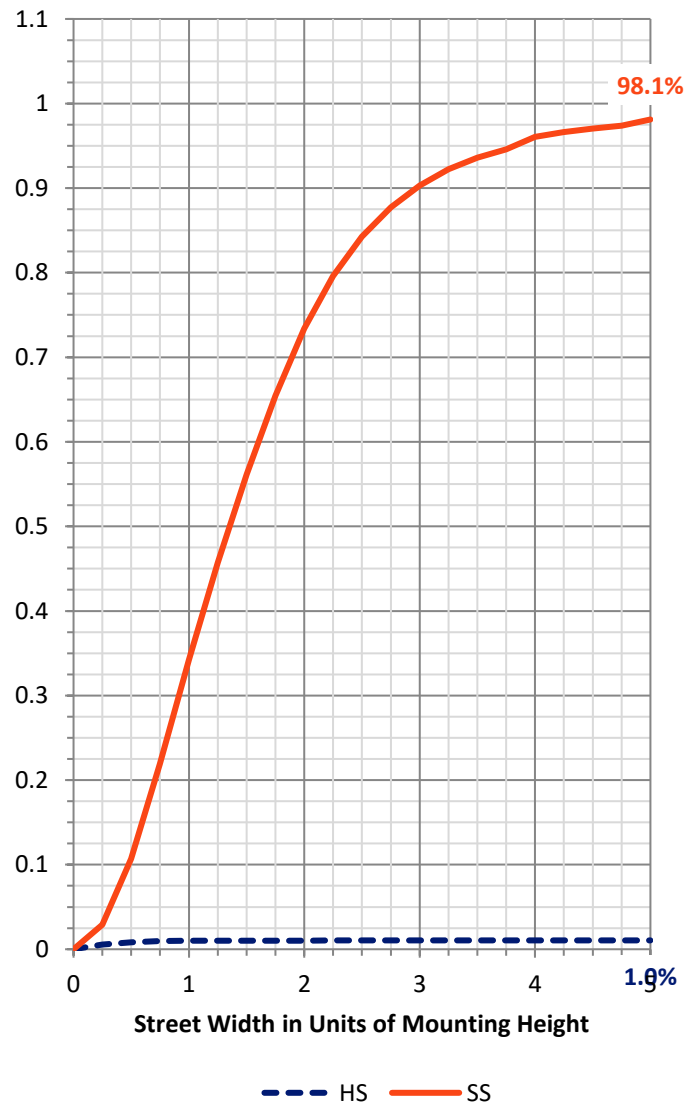
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	46.1	0.0	46.1
	% Fixture	1.1	0.0	1.1
Street Side	Lumens	4256.1	0.0	4256.1
	% Fixture	98.9	0.0	98.9
Total	Lumens	4302.2	0.0	4302.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.0	0.1
10°-20°	26.7	0.6
20°-30°	102.2	2.4
30°-40°	286.2	6.7
40°-50°	555.7	12.9
50°-60°	910.7	21.2
60°-70°	1484.4	34.5
70°-80°	836.6	19.4
80°-90°	95.7	2.2
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°	4302.2	100.0
0°-180°	4302.2	100.0

Coefficient of Utilization



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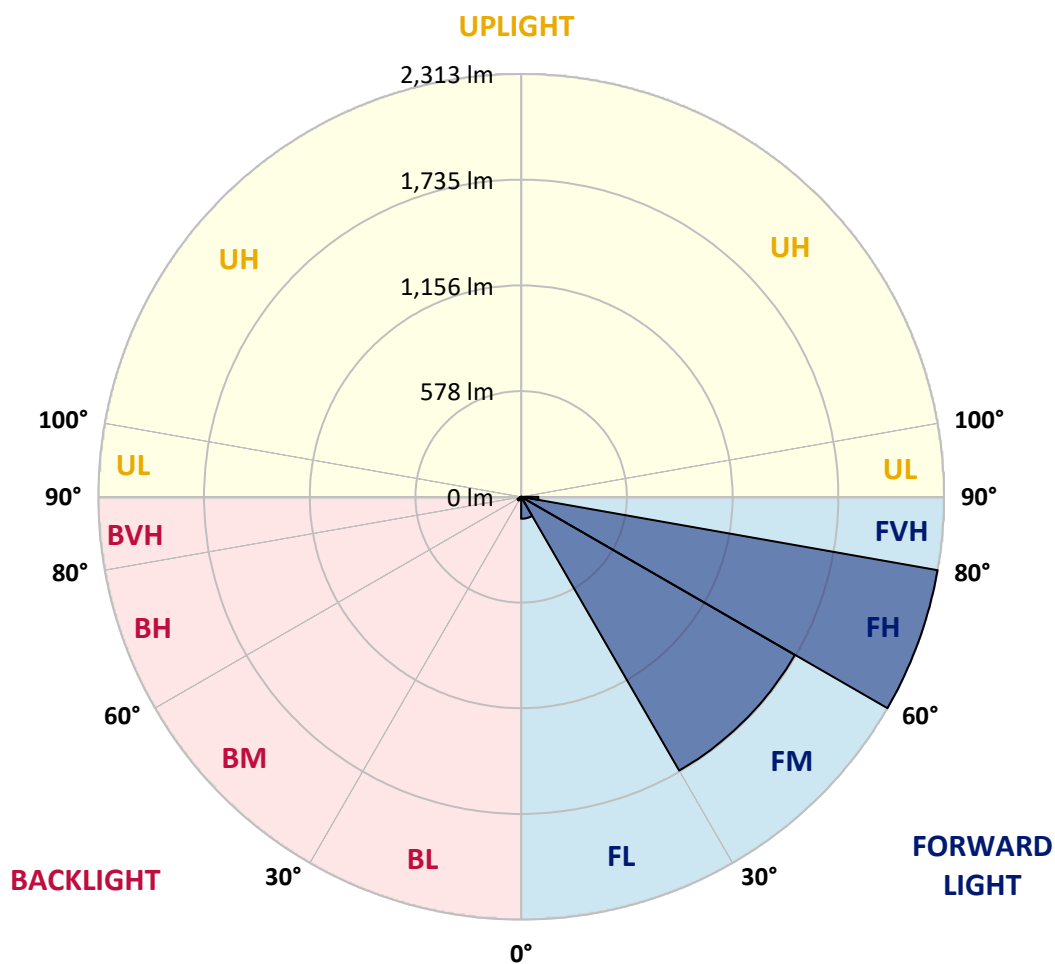
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	120.4	2.8			
FM	(30°-60°)	1728.9	40.2			
FH	(60°-80°)	2312.7	53.8			G2/5000
FVH	(80°-90°)	94.1	2.2			G1/100
BL	(0°-30°)	12.6	0.3	B0/110		
BM	(30°-60°)	23.7	0.6	B0/220		
BH	(60°-80°)	8.2	0.2	B0/110		G0/110
BVH	(80°-90°)	1.6	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	48°
0°	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
2.5°	43.3	43.3	43.3	43.3	42.1	40.9	40.9	39.6	39.6	39.6	39.6
5°	63.2	63.2	59.4	58.2	55.7	54.5	52.0	50.8	49.5	47.1	47.1
7.5°	100.3	99.1	99.1	97.8	96.6	94.1	90.4	87.9	84.2	64.4	59.4
10°	127.5	128.8	126.3	125.1	117.6	113.9	109.0	104.0	102.8	94.1	89.2
12.5°	175.8	177.1	174.6	173.4	168.4	164.7	156.0	149.8	125.1	115.2	113.9
15°	251.4	251.4	239.0	214.2	206.8	198.1	184.5	182.0	183.3	167.2	146.1
17.5°	293.5	294.7	291.0	284.8	277.4	268.7	260.0	230.3	214.2	200.6	194.4
20°	400.0	400.0	392.5	380.2	335.6	318.2	317.0	302.1	291.0	256.3	242.7
22.5°	461.9	468.1	459.4	450.7	435.9	440.8	419.8	356.6	357.9	325.7	313.3
25°	606.8	608.0	594.4	584.5	579.5	505.2	485.4	495.3	456.9	416.1	406.2
27.5°	755.4	764.0	682.3	663.7	663.7	647.6	655.1	584.5	574.6	523.8	484.2
30°	866.8	870.5	856.9	824.7	812.3	808.6	744.2	749.2	688.5	610.5	636.5
32.5°	1068.6	1074.8	1048.8	1036.4	948.5	915.1	875.5	876.7	802.4	790.0	749.2
35°	1313.8	1320.0	1286.6	1181.3	1166.5	1119.4	1097.1	1010.4	996.8	932.4	932.4
37.5°	1476.0	1455.0	1424.0	1384.4	1393.1	1331.2	1259.3	1245.7	1171.4	1123.1	1109.5
40°	1597.4	1603.6	1601.1	1581.3	1538.0	1479.8	1456.2	1422.8	1362.1	1313.8	1320.0
42.5°	1702.6	1715.0	1724.9	1696.5	1661.8	1637.0	1603.6	1582.5	1533.0	1472.3	1502.0
45°	1807.9	1817.8	1838.9	1821.5	1796.8	1793.0	1712.6	1732.4	1692.7	1644.4	1694.0
47.5°	1930.5	1940.4	1956.5	1957.7	1955.3	1903.2	1836.4	1866.1	1857.4	1799.2	1868.6
50°	2067.9	2069.2	2097.7	2117.5	2079.1	2038.2	1973.8	1988.7	2002.3	1957.7	2038.2
52.5°	2216.5	2232.6	2253.7	2267.3	2214.1	2194.2	2139.8	2137.3	2165.8	2119.9	2206.6
55°	2441.9	2449.3	2459.2	2464.2	2394.8	2402.3	2323.0	2315.6	2357.7	2308.2	2410.9
57.5°	2725.5	2745.3	2766.3	2756.4	2684.6	2678.4	2570.7	2534.8	2607.8	2578.1	2679.7
60°	3156.4	3175.0	3191.1	3202.2	3162.6	3139.1	2973.1	2947.1	3069.7	3009.0	3130.4
62.5°	3607.1	3626.9	3645.5	3723.5	3682.7	3652.9	3551.4	3551.4	3701.2	3656.7	3773.1
65°	3600.9	3629.4	3671.5	3774.3	3792.9	3779.3	3775.5	3822.6	4055.4	4040.5	4204.0
66°	3534.1	3553.9	3607.1	3711.1	3740.9	3742.1	3773.1	3833.7	4091.3	4075.2	4252.3
67.5°	3378.0	3402.8	3459.8	3583.6	3614.6	3638.1	3718.6	3766.9	4056.6	4046.7	4228.8
70°	3025.1	3036.3	3089.5	3218.3	3292.6	3280.2	3401.6	3420.1	3701.2	3737.2	3865.9
72.5°	2330.5	2315.6	2477.8	2656.1	2777.5	2730.4	2818.3	2823.3	3062.3	3058.6	3161.3
75°	1239.5	1248.2	1349.7	1587.5	2032.0	2045.7	2063.0	2061.7	2256.2	2254.9	2346.6
77.5°	783.8	804.9	843.3	915.1	1138.0	1300.2	1363.4	1337.4	1422.8	1452.5	1499.6
80°	317.0	330.6	376.4	494.1	760.3	823.5	843.3	804.9	821.0	781.4	781.4
82.5°	105.3	106.5	121.4	153.5	390.1	544.8	560.9	474.3	466.8	453.2	453.2
85°	57.0	57.0	59.4	80.5	151.1	293.5	322.0	216.7	213.0	180.8	167.2
87.5°	5.0	6.2	5.0	13.6	23.5	44.6	52.0	54.5	61.9	70.6	57.0
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°	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
2.5°	39.6	39.6	39.6	40.9	40.9	39.6	38.4	34.7	33.4	31.0	28.5
5°	45.8	44.6	42.1	40.9	39.6	38.4	38.4	35.9	31.0	27.2	23.5
7.5°	58.2	52.0	48.3	45.8	42.1	38.4	37.1	37.1	29.7	24.8	22.3
10°	86.7	84.2	64.4	55.7	50.8	47.1	44.6	45.8	37.1	29.7	28.5
12.5°	111.4	105.3	94.1	74.3	58.2	53.2	48.3	43.3	37.1	29.7	26.0
15°	139.9	125.1	113.9	101.5	83.0	68.1	59.4	55.7	45.8	38.4	33.4
17.5°	188.2	183.3	141.2	123.8	106.5	76.8	66.9	54.5	48.3	37.1	33.4
20°	235.3	216.7	184.5	162.2	138.7	107.7	85.4	71.8	58.2	49.5	44.6
22.5°	298.4	281.1	246.4	193.2	164.7	137.4	97.8	85.4	66.9	55.7	49.5
25°	403.7	346.7	305.9	268.7	224.1	180.8	123.8	92.9	74.3	61.9	54.5
27.5°	485.4	452.0	401.2	343.0	262.5	209.3	156.0	106.5	83.0	68.1	58.2
30°	658.8	547.3	530.0	449.5	344.2	248.9	178.3	122.6	86.7	69.3	59.4
32.5°	765.3	728.1	641.4	553.5	452.0	334.3	224.1	136.2	92.9	70.6	63.2
35°	954.7	864.3	818.5	726.9	588.2	428.4	268.7	162.2	92.9	71.8	61.9
37.5°	1150.4	1055.0	967.1	873.0	710.8	510.2	324.4	183.3	99.1	68.1	58.2
40°	1310.1	1218.5	1098.4	1006.7	813.6	595.6	391.3	196.9	95.3	65.6	53.2
42.5°	1490.9	1381.9	1250.7	1151.6	932.4	712.0	445.8	231.6	97.8	63.2	48.3
45°	1660.5	1542.9	1410.4	1271.7	1047.6	823.5	508.9	251.4	106.5	61.9	43.3
47.5°	1819.0	1695.2	1570.1	1375.7	1190.0	941.1	605.5	299.7	113.9	58.2	39.6
50°	1961.4	1843.8	1705.1	1484.7	1306.4	1029.0	698.4	334.3	122.6	53.2	35.9
52.5°	2123.7	2002.3	1821.5	1599.9	1414.1	1141.7	781.4	381.4	133.7	48.3	32.2
55°	2324.3	2172.0	1997.4	1789.3	1540.4	1286.6	875.5	426.0	148.6	43.3	28.5
57.5°	2573.2	2444.4	2266.1	2022.1	1729.9	1429.0	989.4	482.9	162.2	39.6	26.0
60°	3026.4	2859.2	2690.8	2403.5	2012.2	1656.8	1126.8	557.2	184.5	35.9	23.5
62.5°	3669.0	3487.0	3214.6	2798.5	2380.0	1872.3	1261.8	631.5	209.3	32.2	22.3
65°	4077.7	3827.5	3463.5	2922.4	2515.0	1971.4	1273.0	630.3	211.7	29.7	19.8
66°	4135.9	3863.5	3472.2	2900.1	2495.1	1946.6	1243.2	621.6	208.0	27.2	18.6
67.5°	4129.7	3828.8	3407.8	2807.2	2396.1	1858.7	1146.7	578.3	196.9	26.0	17.3
70°	3806.5	3506.8	3062.3	2486.5	2095.2	1606.1	985.7	496.6	168.4	22.3	14.9
72.5°	3161.3	2877.8	2475.3	1971.4	1689.0	1270.5	755.4	390.1	132.5	18.6	12.4
75°	2335.4	2064.2	1758.4	1369.5	1112.0	803.6	470.5	252.6	86.7	14.9	9.9
77.5°	1457.5	1228.4	932.4	697.2	518.8	334.3	165.9	85.4	37.1	12.4	7.4
80°	769.0	626.6	452.0	326.9	240.2	149.8	76.8	39.6	19.8	9.9	5.0
82.5°	443.3	372.7	276.1	205.6	161.0	105.3	57.0	32.2	14.9	6.2	3.7
85°	159.7	137.4	153.5	116.4	87.9	58.2	40.9	26.0	9.9	5.0	3.7
87.5°	59.4	48.3	43.3	37.1	35.9	35.9	33.4	19.8	6.2	3.7	3.7
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°	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
2.5°	27.2	24.8	24.8	23.5	23.5	22.3	22.3	22.3	22.3	22.3	23.5
5°	22.3	21.1	21.1	21.1	19.8	19.8	22.3	23.5	24.8	26.0	24.8
7.5°	22.3	21.1	19.8	21.1	23.5	18.6	14.9	13.6	12.4	13.6	13.6
10°	24.8	23.5	26.0	17.3	12.4	11.1	12.4	12.4	12.4	16.1	19.8
12.5°	24.8	26.0	19.8	17.3	17.3	16.1	19.8	17.3	17.3	17.3	17.3
15°	33.4	24.8	21.1	18.6	21.1	22.3	22.3	21.1	18.6	17.3	21.1
17.5°	28.5	26.0	24.8	29.7	27.2	23.5	21.1	23.5	24.8	22.3	19.8
20°	39.6	35.9	34.7	29.7	27.2	27.2	28.5	23.5	22.3	22.3	24.8
22.5°	42.1	38.4	39.6	37.1	35.9	28.5	27.2	26.0	26.0	23.5	23.5
25°	50.8	52.0	45.8	39.6	35.9	33.4	31.0	26.0	26.0	23.5	24.8
27.5°	54.5	50.8	45.8	43.3	39.6	32.2	31.0	27.2	24.8	24.8	22.3
30°	57.0	52.0	48.3	43.3	38.4	34.7	31.0	26.0	23.5	23.5	22.3
32.5°	60.7	54.5	45.8	40.9	37.1	31.0	29.7	24.8	22.3	19.8	19.8
35°	55.7	49.5	43.3	38.4	32.2	28.5	26.0	23.5	19.8	18.6	17.3
37.5°	49.5	43.3	38.4	33.4	29.7	26.0	23.5	19.8	17.3	16.1	14.9
40°	44.6	37.1	33.4	28.5	26.0	22.3	19.8	16.1	13.6	12.4	11.1
42.5°	39.6	32.2	28.5	24.8	21.1	18.6	16.1	12.4	9.9	8.7	7.4
45°	34.7	28.5	23.5	21.1	17.3	14.9	12.4	8.7	6.2	5.0	3.7
47.5°	31.0	24.8	21.1	17.3	14.9	11.1	8.7	5.0	3.7	2.5	1.2
50°	27.2	21.1	17.3	14.9	11.1	8.7	6.2	3.7	2.5	1.2	1.2
52.5°	23.5	18.6	16.1	12.4	9.9	6.2	3.7	2.5	1.2	1.2	0.0
55°	21.1	17.3	13.6	9.9	7.4	5.0	2.5	1.2	1.2	0.0	0.0
57.5°	19.8	16.1	11.1	7.4	6.2	3.7	2.5	1.2	1.2	0.0	0.0
60°	18.6	13.6	8.7	6.2	5.0	2.5	1.2	1.2	1.2	0.0	0.0
62.5°	17.3	11.1	7.4	5.0	3.7	2.5	1.2	1.2	1.2	1.2	0.0
65°	13.6	8.7	5.0	3.7	2.5	2.5	1.2	1.2	1.2	1.2	1.2
66°	12.4	7.4	5.0	3.7	2.5	2.5	1.2	1.2	1.2	1.2	1.2
67.5°	11.1	7.4	3.7	3.7	2.5	2.5	1.2	1.2	1.2	1.2	1.2
70°	8.7	5.0	3.7	2.5	2.5	2.5	1.2	1.2	1.2	1.2	1.2
72.5°	7.4	5.0	3.7	2.5	2.5	2.5	1.2	1.2	1.2	1.2	1.2
75°	6.2	3.7	2.5	2.5	2.5	2.5	1.2	1.2	1.2	1.2	1.2
77.5°	5.0	3.7	2.5	2.5	2.5	2.5	1.2	1.2	1.2	1.2	1.2
80°	3.7	3.7	2.5	2.5	2.5	2.5	1.2	2.5	2.5	1.2	1.2
82.5°	3.7	2.5	2.5	2.5	2.5	3.7	1.2	2.5	2.5	2.5	2.5
85°	3.7	2.5	2.5	3.7	3.7	3.7	1.2	3.7	3.7	3.7	2.5
87.5°	3.7	3.7	3.7	3.7	5.0	5.0	2.5	5.0	5.0	5.0	3.7
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°	33.4	33.4	33.4	33.4	33.4
2.5°	23.5	24.8	24.8	24.8	24.8
5°	24.8	22.3	23.5	23.5	23.5
7.5°	14.9	14.9	14.9	14.9	14.9
10°	21.1	21.1	21.1	21.1	21.1
12.5°	18.6	19.8	19.8	19.8	19.8
15°	22.3	23.5	23.5	23.5	24.8
17.5°	19.8	19.8	22.3	21.1	22.3
20°	23.5	23.5	23.5	23.5	23.5
22.5°	21.1	21.1	23.5	24.8	24.8
25°	23.5	22.3	22.3	22.3	22.3
27.5°	22.3	23.5	23.5	23.5	23.5
30°	21.1	19.8	21.1	21.1	22.3
32.5°	19.8	19.8	19.8	19.8	19.8
35°	17.3	17.3	17.3	18.6	18.6
37.5°	13.6	13.6	14.9	14.9	14.9
40°	11.1	9.9	9.9	11.1	11.1
42.5°	7.4	6.2	6.2	6.2	6.2
45°	3.7	2.5	2.5	2.5	2.5
47.5°	1.2	1.2	1.2	1.2	1.2
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
66°	1.2	0.0	0.0	0.0	0.0
67.5°	1.2	0.0	0.0	0.0	0.0
70°	1.2	0.0	0.0	0.0	0.0
72.5°	1.2	1.2	0.0	0.0	0.0
75°	1.2	1.2	0.0	0.0	0.0
77.5°	1.2	1.2	1.2	0.0	0.0
80°	1.2	1.2	1.2	0.0	0.0
82.5°	1.2	1.2	1.2	1.2	0.0
85°	2.5	2.5	2.5	2.5	0.0
87.5°	3.7	3.7	3.7	3.7	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)