

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: P179286

Luminaire Tested: **UTLD-F03-LED-E-U-SL3-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179286
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34325)
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-SL3-HSS-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3933.9 lumens
Efficiency: N/A
Efficacy: 50.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-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

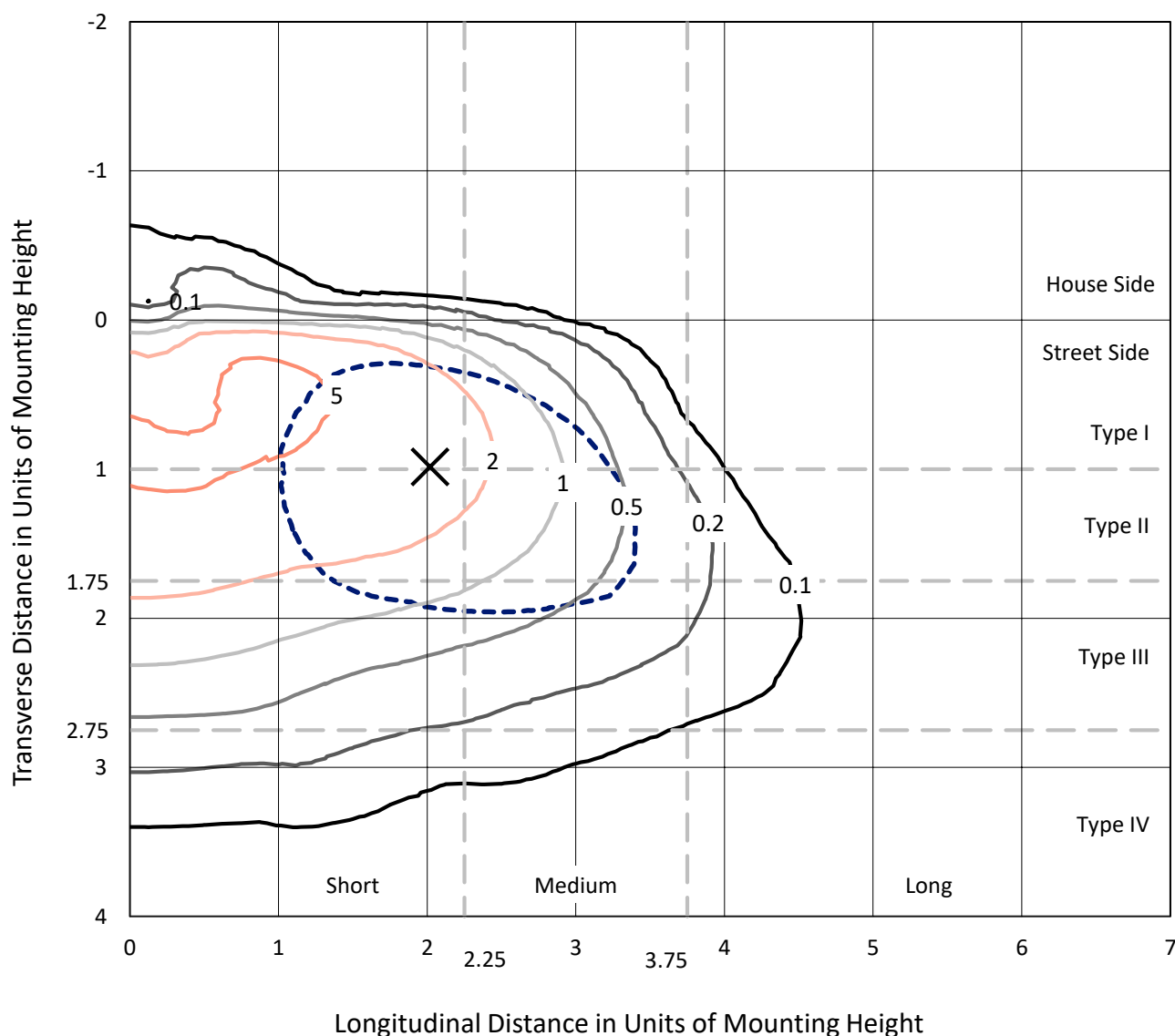


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

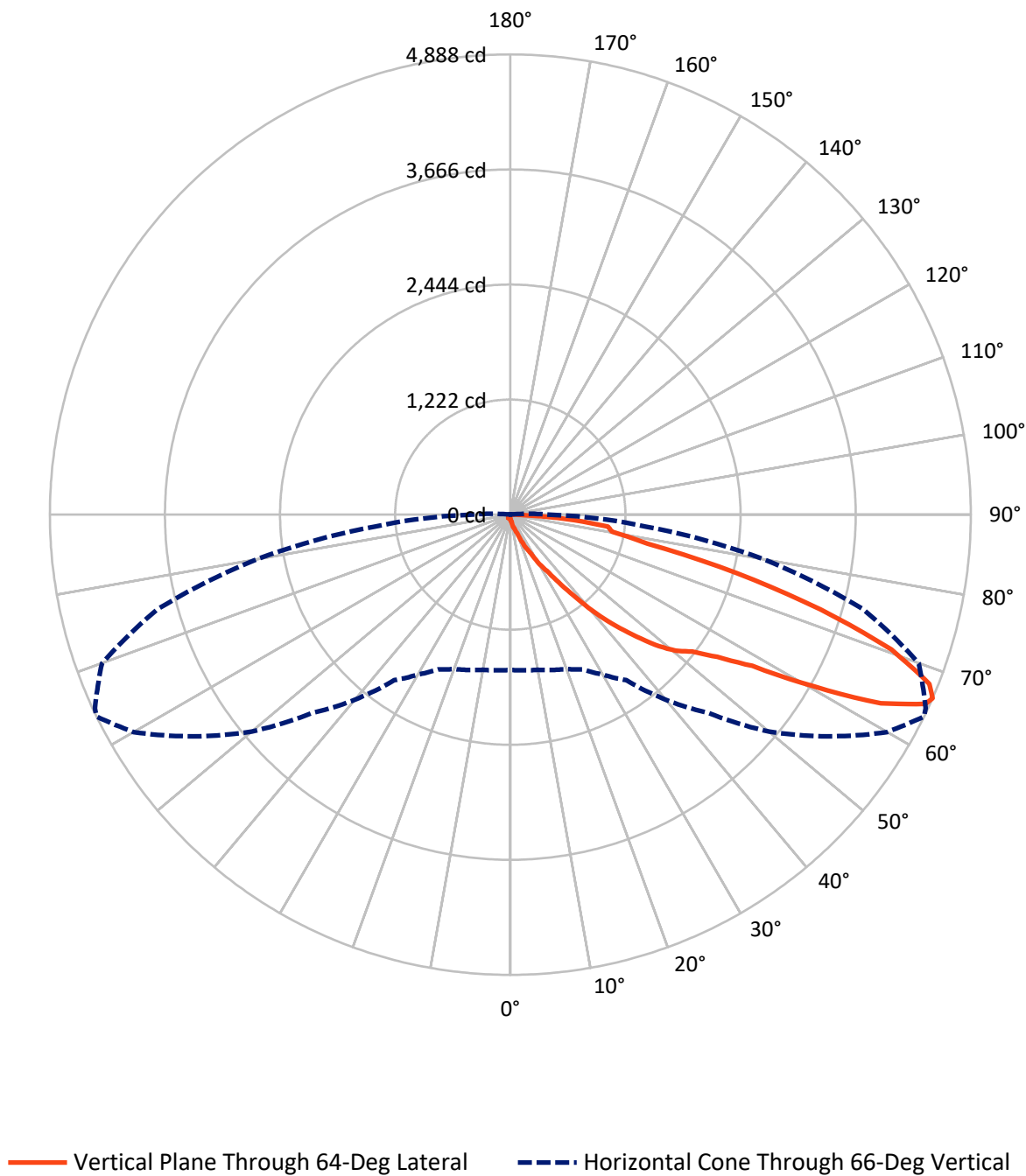


Based on 10 foot mounting height. Maximum calculated value = 6.3 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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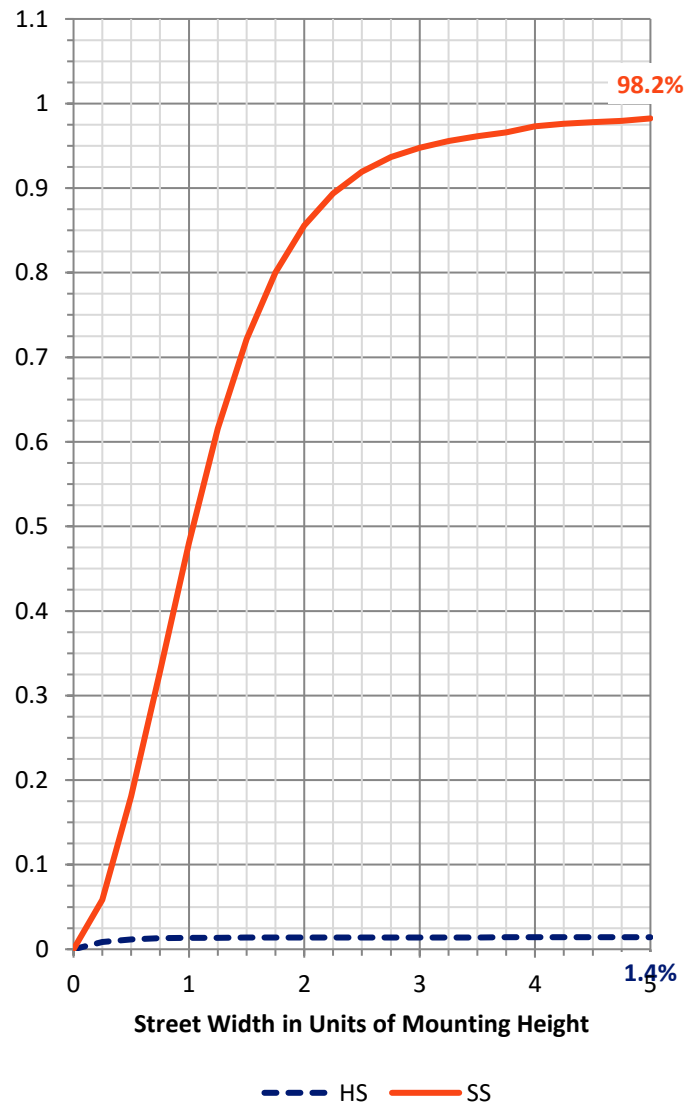
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	57.5	0.0	57.5
	% Fixture	1.5	0.0	1.5
Street Side	Lumens	3876.4	0.0	3876.4
	% Fixture	98.5	0.0	98.5
Total	Lumens	3933.9	0.0	3933.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.1
10°-20°	30.7	0.8
20°-30°	94.0	2.4
30°-40°	249.9	6.4
40°-50°	581.3	14.8
50°-60°	991.2	25.2
60°-70°	1308.6	33.3
70°-80°	587.2	14.9
80°-90°	85.5	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°	3933.9	100.0
0°-180°	3933.9	100.0

Coefficient of Utilization



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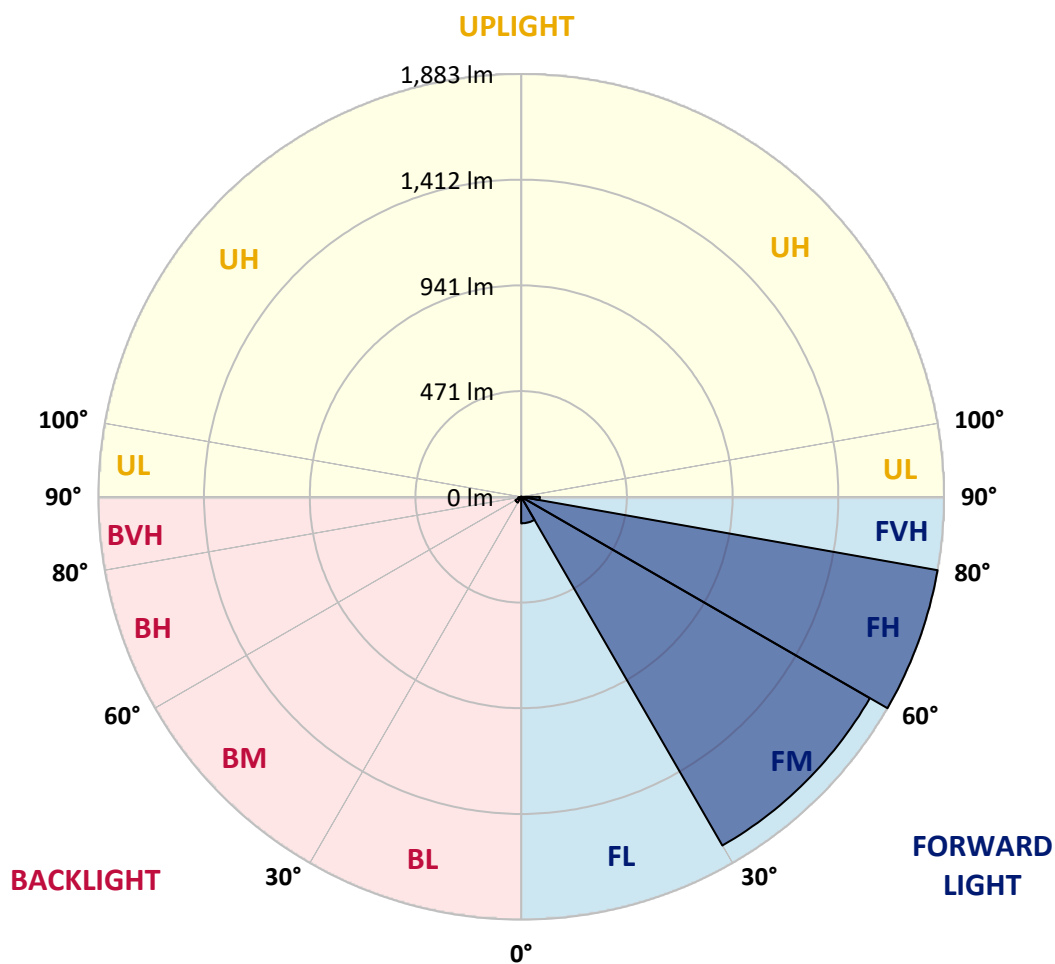
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	118.1	3.0			
FM	(30°-60°)	1792.6	45.6			
FH	(60°-80°)	1882.6	47.9			G2/5000
FVH	(80°-90°)	83.1	2.1			G1/100
BL	(0°-30°)	12.1	0.3	B0/110		
BM	(30°-60°)	29.8	0.8	B0/220		
BH	(60°-80°)	13.2	0.3	B0/110		G0/110
BVH	(80°-90°)	2.3	0.1			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
2.5°	67.3	67.3	67.3	66.1	64.8	64.8	63.5	62.3	62.3	62.3	61.0
5°	91.5	87.7	85.1	81.3	78.8	78.8	76.2	75.0	73.7	72.4	69.9
7.5°	136.0	134.7	132.1	130.9	129.6	128.3	124.5	123.2	119.4	109.3	83.9
10°	172.8	166.5	166.5	157.6	152.5	147.4	142.3	139.8	139.8	130.9	124.5
12.5°	207.1	208.4	209.7	210.9	207.1	204.6	200.8	195.7	161.4	153.7	153.7
15°	275.7	273.2	269.4	250.3	222.4	217.3	207.1	208.4	226.2	214.7	183.0
17.5°	285.9	285.9	283.3	279.5	274.5	265.6	266.8	259.2	235.1	230.0	228.7
20°	368.5	368.5	363.4	350.7	321.5	279.5	288.4	278.3	279.5	274.5	260.5
22.5°	400.2	401.5	391.3	377.4	357.0	354.5	334.2	292.2	304.9	297.3	301.1
25°	507.0	504.4	490.5	461.2	434.5	372.3	343.1	349.4	331.6	321.5	368.5
27.5°	623.9	621.3	570.5	512.1	470.1	426.9	406.6	369.7	377.4	386.3	401.5
30°	687.4	681.0	655.6	611.2	560.3	504.4	434.5	424.4	415.5	423.1	528.6
32.5°	831.0	829.7	795.4	742.0	679.8	574.3	515.9	495.5	473.9	537.5	613.7
35°	991.1	986.0	960.6	881.8	800.5	720.4	677.2	612.4	631.5	669.6	787.8
37.5°	1116.9	1116.9	1082.6	1012.7	975.8	909.8	853.9	843.7	814.5	870.4	1010.1
40°	1188.0	1195.6	1203.3	1179.1	1143.6	1115.6	1085.1	1064.8	1076.2	1102.9	1245.2
42.5°	1304.9	1318.9	1343.0	1331.6	1315.1	1321.4	1277.0	1288.4	1308.7	1349.4	1495.5
45°	1475.2	1486.6	1513.3	1533.6	1561.6	1546.3	1462.5	1522.2	1565.4	1592.1	1747.1
47.5°	1644.2	1665.8	1701.4	1731.8	1776.3	1761.1	1714.1	1739.5	1782.7	1810.6	1989.8
50°	1791.6	1811.9	1850.0	1895.8	1914.8	1951.7	1933.9	1946.6	1997.4	2020.3	2195.6
52.5°	1902.1	1912.3	1945.3	1997.4	2017.7	2074.9	2082.5	2081.3	2180.4	2215.9	2398.9
55°	1960.6	1970.7	2002.5	2043.1	2069.8	2147.3	2139.7	2161.3	2308.7	2376.0	2606.0
57.5°	1972.0	1984.7	2010.1	2060.9	2082.5	2174.0	2156.2	2207.1	2400.2	2538.7	2825.8
60°	1950.4	1964.4	1986.0	2034.3	2064.7	2152.4	2179.1	2249.0	2492.9	2715.3	3106.6
62.5°	1857.6	1879.2	1891.9	1944.0	1973.3	2047.0	2168.9	2298.5	2595.9	2881.8	3405.2
65°	1715.3	1726.8	1744.6	1782.7	1817.0	1890.7	2053.3	2241.4	2622.5	2985.9	3579.3
66°	1649.3	1659.4	1673.4	1707.7	1744.6	1813.2	1960.6	2146.1	2564.1	2980.9	3584.4
67.5°	1520.9	1526.0	1551.4	1578.1	1618.8	1662.0	1775.0	1959.3	2391.3	2852.5	3489.1
70°	1026.7	1043.2	1113.1	1205.8	1263.0	1256.6	1327.8	1490.4	1871.6	2318.9	3010.1
72.5°	482.8	487.9	496.8	533.7	744.6	787.8	837.3	977.1	1264.3	1614.9	2196.9
75°	395.2	400.2	415.5	434.5	479.0	531.1	548.9	603.5	811.9	1001.2	1343.0
77.5°	134.7	138.5	148.7	176.6	270.6	339.3	400.2	498.1	611.2	711.5	880.5
80°	55.9	59.7	64.8	59.7	69.9	115.6	146.1	213.5	372.3	546.4	697.6
82.5°	30.5	31.8	35.6	33.0	40.7	53.4	57.2	62.3	90.2	183.0	391.3
85°	8.9	8.9	10.2	16.5	24.1	35.6	35.6	34.3	34.3	52.1	97.8
87.5°	2.5	2.5	3.8	5.1	7.6	12.7	15.2	15.2	16.5	21.6	31.8
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):

	55°	60°	64°	65°	70°	75°	80°	85°	90°	95°	100°
0°	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
2.5°	61.0	61.0	61.0	61.0	59.7	59.7	55.9	50.8	45.7	40.7	36.8
5°	68.6	64.8	63.5	63.5	59.7	59.7	58.4	54.6	41.9	35.6	31.8
7.5°	77.5	72.4	69.9	69.9	66.1	61.0	58.4	55.9	43.2	34.3	30.5
10°	122.0	101.6	87.7	83.9	78.8	72.4	68.6	68.6	50.8	40.7	36.8
12.5°	148.7	141.0	132.1	125.8	91.5	82.6	78.8	68.6	53.4	39.4	34.3
15°	170.3	158.8	148.7	146.1	144.8	110.5	95.3	86.4	62.3	50.8	41.9
17.5°	245.2	195.7	179.2	177.9	161.4	122.0	105.5	86.4	67.3	50.8	41.9
20°	259.2	240.1	213.5	218.5	221.1	193.1	151.2	118.2	88.9	67.3	50.8
22.5°	332.9	322.7	306.2	301.1	252.9	221.1	163.9	138.5	96.6	67.3	50.8
25°	381.2	374.8	396.4	392.6	364.7	307.5	224.9	165.2	120.7	77.5	57.2
27.5°	475.2	505.7	463.8	476.5	423.1	369.7	296.1	204.6	128.3	81.3	58.4
30°	540.0	583.2	611.2	603.5	534.9	430.7	329.1	231.3	139.8	81.3	61.0
32.5°	678.5	707.7	712.8	697.6	656.9	543.8	393.9	265.6	146.1	83.9	64.8
35°	806.8	880.5	879.3	881.8	800.5	669.6	476.5	285.9	156.3	83.9	64.8
37.5°	1054.6	1095.3	1090.2	1088.9	998.7	818.3	561.6	345.6	167.7	83.9	63.5
40°	1293.5	1343.0	1341.8	1327.8	1232.5	996.2	705.2	393.9	179.2	86.4	59.7
42.5°	1524.7	1547.6	1585.7	1590.8	1428.2	1200.7	851.3	460.0	191.9	88.9	57.2
45°	1766.2	1740.7	1813.2	1808.1	1658.2	1418.0	975.8	537.5	212.2	86.4	53.4
47.5°	2010.1	2005.0	2067.3	2021.5	1909.7	1677.2	1153.7	620.1	224.9	82.6	49.6
50°	2226.1	2266.8	2271.9	2204.5	2147.3	1931.3	1388.8	730.6	250.3	76.2	47.0
52.5°	2415.4	2481.5	2415.4	2401.5	2398.9	2133.4	1587.0	829.7	274.5	69.9	43.2
55°	2651.8	2700.1	2664.5	2669.6	2695.0	2476.4	1831.0	1012.7	316.4	63.5	39.4
57.5°	2954.2	3050.7	3030.4	3119.4	3124.4	2961.8	2177.8	1221.1	365.9	58.4	35.6
60°	3355.7	3593.3	3708.9	3808.0	3693.7	3490.4	2562.8	1393.9	405.3	53.4	31.8
62.5°	3816.9	4208.3	4414.1	4525.9	4210.8	3776.3	2719.1	1467.6	414.2	47.0	28.0
65°	4081.2	4570.4	4844.8	4852.5	4551.3	3862.7	2742.0	1465.0	405.3	40.7	24.1
66°	4105.4	4617.4	4888.0	4865.2	4612.3	3872.8	2726.7	1442.1	396.4	38.1	22.9
67.5°	4017.7	4529.7	4797.8	4754.6	4575.5	3815.7	2626.4	1383.7	378.6	34.3	21.6
70°	3560.3	4020.2	4292.1	4233.7	4246.4	3478.9	2204.5	1180.4	330.4	28.0	19.1
72.5°	2806.8	3323.9	3443.4	3400.2	3477.7	2573.0	1557.8	828.4	246.5	22.9	16.5
75°	1883.0	2400.2	2482.8	2448.5	2204.5	1296.0	618.8	349.4	128.3	19.1	14.0
77.5°	1134.7	1512.0	1490.4	1494.2	1180.4	526.0	116.9	81.3	43.2	15.2	10.2
80°	829.7	1049.5	1092.7	1119.4	926.3	344.3	64.8	48.3	25.4	11.4	7.6
82.5°	673.4	940.3	1045.7	1055.9	838.6	273.2	49.6	38.1	19.1	8.9	5.1
85°	184.2	480.3	593.4	562.9	357.0	92.8	35.6	25.4	12.7	6.4	5.1
87.5°	43.2	109.3	138.5	142.3	101.6	34.3	30.5	24.1	8.9	5.1	5.1
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°	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
2.5°	35.6	34.3	33.0	31.8	31.8	30.5	30.5	30.5	29.2	30.5	30.5
5°	30.5	29.2	28.0	26.7	25.4	25.4	25.4	26.7	28.0	28.0	28.0
7.5°	29.2	26.7	25.4	25.4	25.4	17.8	12.7	11.4	11.4	11.4	12.7
10°	30.5	26.7	28.0	15.2	10.2	10.2	10.2	10.2	10.2	14.0	16.5
12.5°	31.8	29.2	16.5	15.2	14.0	12.7	15.2	14.0	14.0	15.2	15.2
15°	36.8	22.9	17.8	15.2	17.8	19.1	17.8	16.5	14.0	14.0	16.5
17.5°	30.5	22.9	20.3	22.9	22.9	19.1	16.5	19.1	19.1	17.8	16.5
20°	36.8	31.8	28.0	24.1	21.6	20.3	21.6	19.1	17.8	17.8	19.1
22.5°	39.4	34.3	35.6	31.8	29.2	22.9	21.6	19.1	20.3	19.1	19.1
25°	48.3	48.3	41.9	33.0	30.5	26.7	25.4	20.3	20.3	17.8	19.1
27.5°	52.1	47.0	41.9	38.1	34.3	26.7	25.4	21.6	19.1	19.1	16.5
30°	54.6	48.3	43.2	38.1	33.0	29.2	25.4	21.6	19.1	17.8	17.8
32.5°	58.4	50.8	41.9	35.6	31.8	26.7	25.4	20.3	17.8	15.2	15.2
35°	54.6	47.0	40.7	35.6	29.2	25.4	22.9	19.1	15.2	15.2	14.0
37.5°	50.8	43.2	36.8	33.0	28.0	22.9	20.3	16.5	14.0	12.7	12.7
40°	48.3	40.7	34.3	29.2	24.1	20.3	17.8	14.0	11.4	10.2	10.2
42.5°	44.5	36.8	30.5	25.4	21.6	17.8	15.2	11.4	8.9	7.6	7.6
45°	41.9	34.3	28.0	22.9	17.8	15.2	11.4	8.9	6.4	5.1	5.1
47.5°	39.4	31.8	24.1	19.1	15.2	12.7	8.9	6.4	3.8	3.8	2.5
50°	35.6	28.0	21.6	16.5	12.7	10.2	6.4	3.8	2.5	1.3	1.3
52.5°	33.0	24.1	19.1	14.0	10.2	7.6	5.1	2.5	1.3	1.3	1.3
55°	29.2	21.6	16.5	11.4	8.9	5.1	2.5	1.3	1.3	1.3	1.3
57.5°	25.4	17.8	14.0	10.2	6.4	3.8	2.5	1.3	1.3	1.3	0.0
60°	21.6	15.2	11.4	7.6	5.1	2.5	1.3	1.3	1.3	1.3	0.0
62.5°	19.1	12.7	8.9	6.4	3.8	2.5	1.3	1.3	1.3	1.3	0.0
65°	16.5	10.2	7.6	5.1	2.5	2.5	1.3	1.3	1.3	1.3	0.0
66°	15.2	10.2	6.4	3.8	2.5	2.5	1.3	1.3	1.3	1.3	0.0
67.5°	14.0	8.9	6.4	3.8	2.5	2.5	1.3	1.3	1.3	1.3	1.3
70°	12.7	7.6	5.1	3.8	2.5	1.3	1.3	1.3	1.3	1.3	1.3
72.5°	11.4	6.4	3.8	3.8	2.5	2.5	1.3	1.3	1.3	1.3	1.3
75°	7.6	3.8	3.8	2.5	2.5	2.5	1.3	2.5	2.5	2.5	2.5
77.5°	5.1	3.8	2.5	2.5	2.5	2.5	1.3	2.5	2.5	2.5	2.5
80°	5.1	3.8	3.8	3.8	3.8	3.8	1.3	3.8	3.8	3.8	2.5
82.5°	3.8	3.8	3.8	3.8	5.1	5.1	1.3	5.1	5.1	3.8	3.8
85°	3.8	3.8	3.8	5.1	5.1	6.4	1.3	5.1	5.1	5.1	5.1
87.5°	3.8	5.1	5.1	5.1	6.4	6.4	2.5	6.4	6.4	6.4	5.1
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°	47.0	47.0	47.0	47.0	47.0
2.5°	30.5	31.8	31.8	33.0	33.0
5°	25.4	25.4	22.9	22.9	21.6
7.5°	12.7	12.7	14.0	14.0	14.0
10°	17.8	19.1	19.1	19.1	20.3
12.5°	15.2	16.5	17.8	17.8	17.8
15°	17.8	19.1	20.3	20.3	20.3
17.5°	16.5	16.5	17.8	17.8	19.1
20°	19.1	19.1	19.1	19.1	19.1
22.5°	16.5	16.5	19.1	20.3	20.3
25°	19.1	17.8	17.8	19.1	17.8
27.5°	16.5	17.8	19.1	19.1	19.1
30°	16.5	16.5	16.5	16.5	17.8
32.5°	16.5	16.5	16.5	16.5	16.5
35°	14.0	15.2	15.2	16.5	16.5
37.5°	12.7	12.7	14.0	14.0	14.0
40°	10.2	10.2	10.2	11.4	11.4
42.5°	7.6	7.6	7.6	8.9	7.6
45°	5.1	5.1	5.1	5.1	5.1
47.5°	2.5	2.5	3.8	3.8	3.8
50°	1.3	1.3	2.5	2.5	2.5
52.5°	1.3	1.3	1.3	2.5	2.5
55°	1.3	1.3	1.3	1.3	2.5
57.5°	0.0	1.3	1.3	1.3	1.3
60°	0.0	1.3	1.3	1.3	1.3
62.5°	0.0	1.3	1.3	1.3	1.3
65°	1.3	1.3	1.3	1.3	1.3
66°	1.3	1.3	1.3	1.3	1.3
67.5°	1.3	1.3	1.3	1.3	1.3
70°	1.3	1.3	1.3	1.3	2.5
72.5°	1.3	1.3	2.5	1.3	2.5
75°	2.5	2.5	2.5	2.5	2.5
77.5°	2.5	2.5	2.5	2.5	2.5
80°	2.5	3.8	3.8	2.5	2.5
82.5°	3.8	3.8	3.8	3.8	2.5
85°	3.8	3.8	5.1	5.1	2.5
87.5°	5.1	5.1	5.1	5.1	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)