

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: P179344

Luminaire Tested: **UTLD-F03-LED-E-U-T2-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179344
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34326)
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-T2-HSS-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3256.7 lumens
Efficiency: N/A
Efficacy: 41.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

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

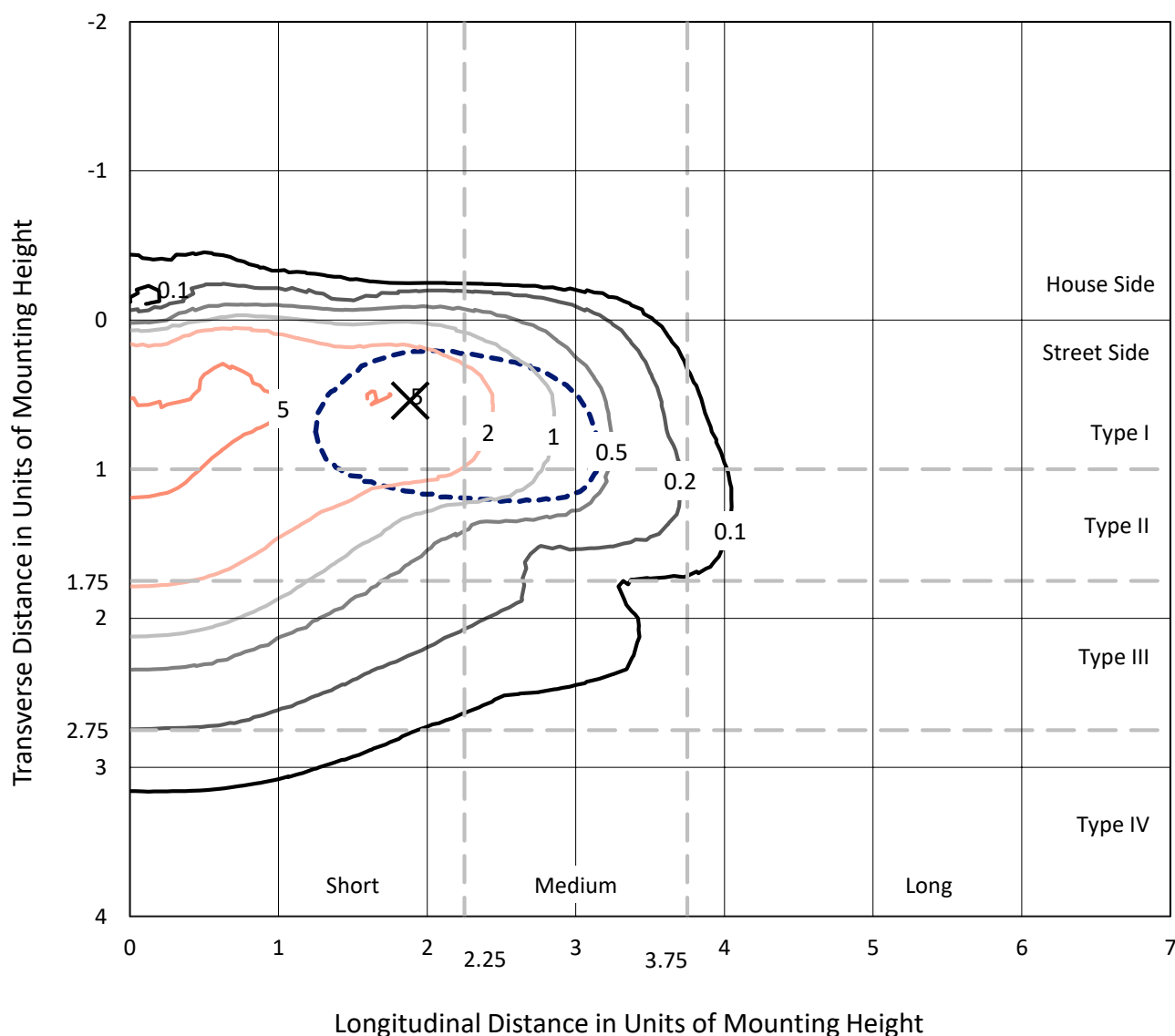


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

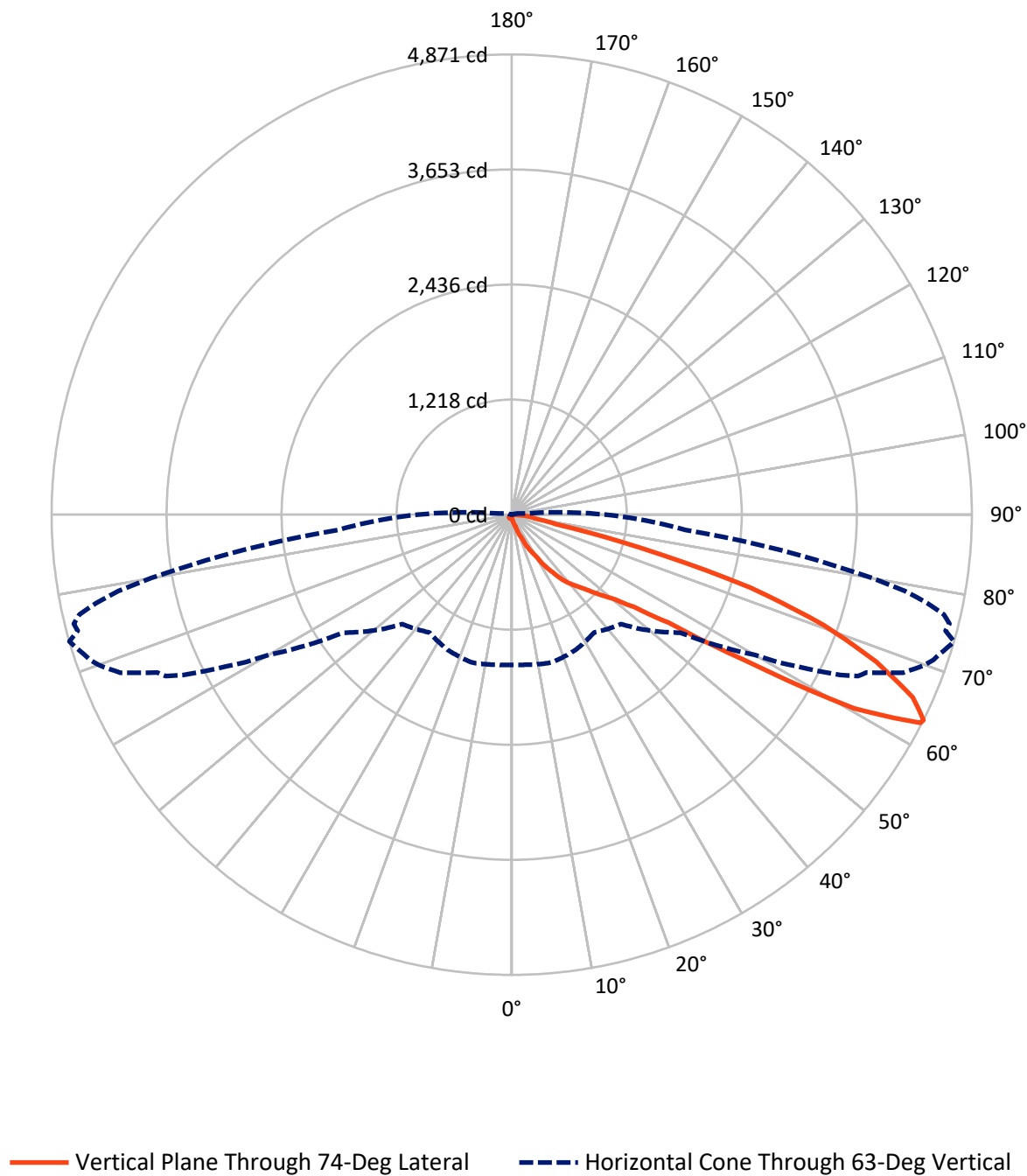


Based on 10 foot mounting height. Maximum calculated value = 6.3 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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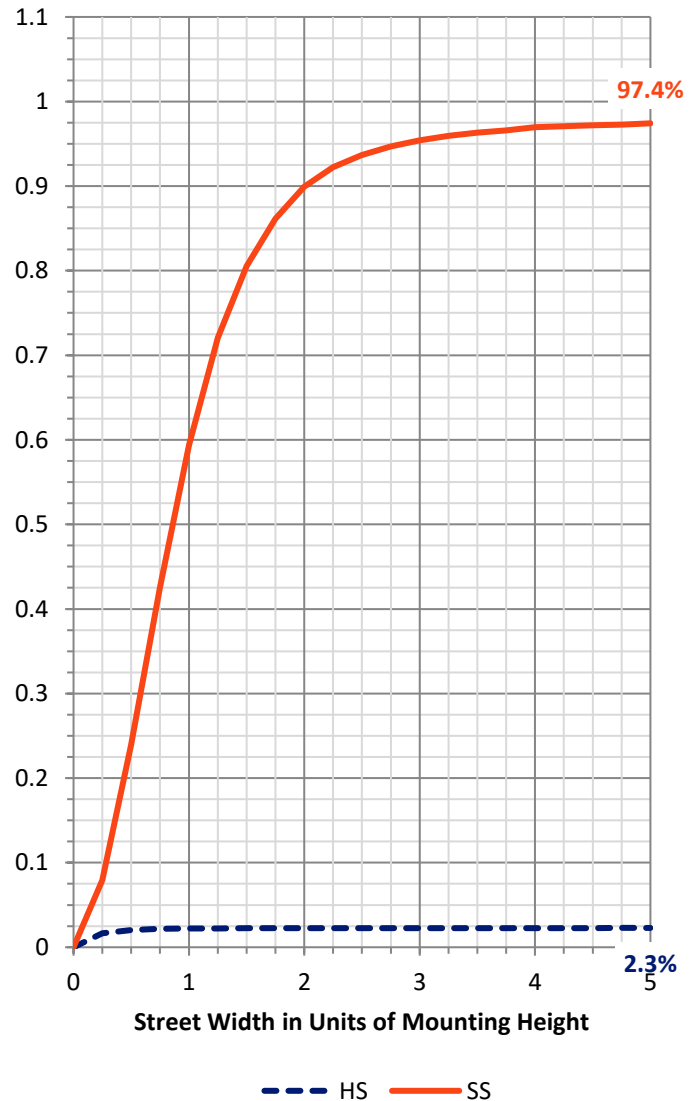
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	75.6	0.0	75.6
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	3181.1	0.0	3181.1
	% Fixture	97.7	0.0	97.7
Total	Lumens	3256.7	0.0	3256.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.3	0.2
10°-20°	37.5	1.2
20°-30°	121.6	3.7
30°-40°	290.5	8.9
40°-50°	545.5	16.8
50°-60°	857.5	26.3
60°-70°	1007.2	30.9
70°-80°	345.8	10.6
80°-90°	45.8	1.4
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°	3256.7	100.0
0°-180°	3256.7	100.0

Coefficient of Utilization



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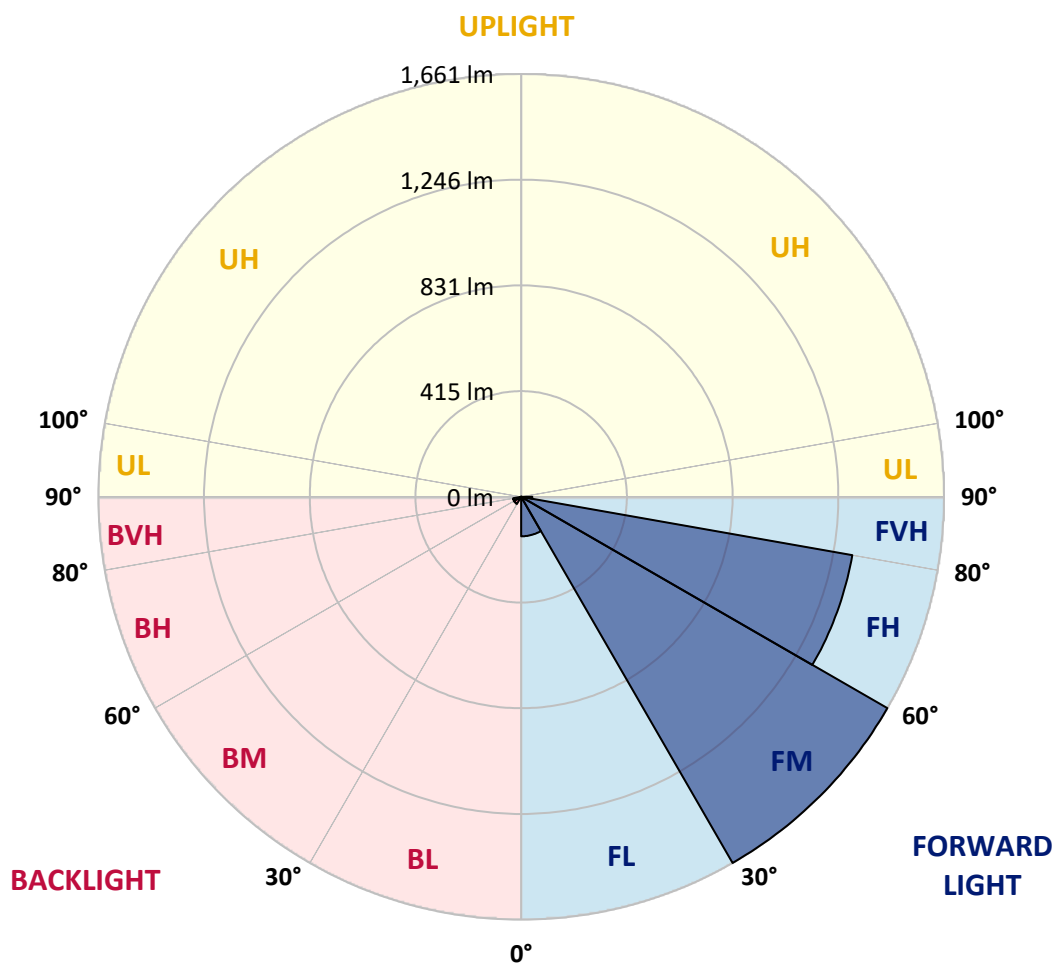
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	155.1	4.8			
FM	(30°-60°)	1661.2	51.0			
FH	(60°-80°)	1321.1	40.6			G1/1800
FVH	(80°-90°)	43.8	1.3			G1/100
BL	(0°-30°)	9.3	0.3	B0/110		
BM	(30°-60°)	32.3	1.0	B0/220		
BH	(60°-80°)	32.0	1.0	B0/110		G0/110
BVH	(80°-90°)	2.0	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
2.5°	62.2	61.1	58.8	56.5	55.4	53.2	52.0	49.8	49.8	48.6	49.8
5°	90.5	86.0	81.4	78.0	74.6	71.3	64.5	59.9	58.8	58.8	56.5
7.5°	170.8	164.0	159.5	152.7	140.2	106.3	79.2	73.5	72.4	71.3	69.0
10°	194.5	193.4	191.1	183.2	173.0	154.9	136.8	93.9	91.6	88.2	89.3
12.5°	279.4	276.0	278.2	263.5	242.0	197.9	179.8	160.6	156.1	152.7	140.2
15°	382.3	376.6	304.2	294.1	274.8	272.6	207.0	185.5	181.0	173.0	165.1
17.5°	404.9	408.3	402.6	378.9	337.0	302.0	295.2	235.2	228.5	225.1	216.0
20°	521.4	521.4	498.8	411.7	412.8	377.8	341.6	299.7	270.3	263.5	272.6
22.5°	538.4	540.6	533.8	540.6	443.3	446.7	450.1	425.3	415.1	402.6	386.8
25°	630.0	633.4	617.5	554.2	573.4	519.1	521.4	489.7	473.9	499.9	495.4
27.5°	715.9	718.2	627.7	626.6	606.2	625.4	652.6	624.3	616.4	605.1	583.6
30°	753.2	757.8	729.5	756.6	721.6	680.9	715.9	756.6	748.7	729.5	735.1
32.5°	915.0	917.2	901.4	814.3	812.1	813.2	865.2	836.9	826.8	804.1	807.5
35°	1114.0	1112.9	988.5	968.1	911.6	946.6	948.9	976.0	941.0	965.9	942.1
37.5°	1273.5	1266.7	1185.3	1163.8	1089.1	1058.6	1080.1	1060.9	1037.1	1057.5	1049.6
40°	1413.7	1420.5	1383.2	1297.2	1254.3	1209.0	1203.4	1150.2	1172.8	1155.9	1153.6
42.5°	1524.6	1535.9	1513.3	1430.7	1370.8	1362.8	1339.1	1273.5	1309.7	1278.0	1282.5
45°	1661.4	1658.0	1616.2	1530.2	1489.5	1499.7	1514.4	1463.5	1465.8	1454.5	1428.4
47.5°	1791.5	1790.4	1764.3	1643.3	1592.4	1618.4	1703.3	1692.0	1650.1	1667.1	1607.1
50°	1902.3	1903.5	1872.9	1738.3	1673.9	1734.9	1900.1	1913.6	1893.3	1898.9	1828.8
52.5°	1940.8	1943.0	1929.5	1792.6	1725.9	1818.6	2059.5	2129.7	2150.0	2155.7	2078.8
55°	1902.3	1910.2	1906.8	1788.1	1724.8	1856.0	2198.6	2341.1	2394.3	2423.7	2377.3
57.5°	1829.9	1836.7	1850.3	1775.7	1713.5	1868.4	2321.9	2630.7	2725.7	2786.8	2802.6
60°	1745.1	1753.0	1793.8	1762.1	1696.5	1846.9	2387.5	2891.9	3061.6	3196.2	3408.8
62.5°	1629.8	1637.7	1671.6	1639.9	1569.8	1696.5	2240.5	2964.3	3200.7	3393.0	3788.8
63°	1590.2	1594.7	1620.7	1584.5	1521.2	1637.7	2177.2	2968.8	3219.9	3421.2	3869.1
65°	1250.9	1259.9	1289.3	1250.9	1237.3	1353.8	1816.4	2823.0	3169.0	3387.3	3938.1
67.5°	683.1	694.4	738.5	721.6	799.6	930.8	1204.5	2060.7	2534.5	2844.4	3472.1
70°	496.5	496.5	533.8	545.1	583.6	685.4	795.1	1047.3	1323.3	1684.0	2485.9
72.5°	360.8	368.7	400.4	432.0	487.5	610.7	783.8	608.5	626.6	738.5	1308.6
75°	179.8	195.7	230.7	268.0	325.7	464.8	830.1	631.1	573.4	558.7	668.4
77.5°	41.8	43.0	70.1	138.0	166.3	266.9	657.1	771.3	694.4	657.1	588.1
80°	21.5	22.6	28.3	69.0	75.8	96.1	345.0	814.3	823.4	800.7	660.5
82.5°	11.3	11.3	17.0	29.4	29.4	33.9	98.4	495.4	686.5	779.3	762.3
85°	4.5	4.5	10.2	14.7	15.8	14.7	27.1	194.5	343.8	446.7	598.3
87.5°	1.1	1.1	3.4	5.7	6.8	7.9	12.4	36.2	59.9	82.6	138.0
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
2.5°	48.6	48.6	48.6	47.5	47.5	47.5	47.5	46.4	46.4	46.4	43.0
5°	55.4	55.4	54.3	53.2	53.2	52.0	52.0	52.0	50.9	50.9	49.8
7.5°	67.9	66.7	65.6	63.3	62.2	61.1	61.1	58.8	57.7	56.5	55.4
10°	89.3	88.2	84.8	82.6	80.3	78.0	75.8	74.6	72.4	71.3	69.0
12.5°	122.1	106.3	102.9	99.5	95.0	91.6	89.3	87.1	86.0	82.6	83.7
15°	176.4	173.0	169.6	167.4	161.7	136.8	126.7	124.4	119.9	116.5	112.0
17.5°	213.8	210.4	202.4	190.0	187.7	183.2	177.6	171.9	144.8	131.2	126.7
20°	277.1	271.4	279.4	277.1	268.0	259.0	248.8	243.2	236.4	223.9	203.6
22.5°	347.2	347.2	337.0	330.2	318.9	304.2	303.1	290.7	266.9	257.9	254.5
25°	495.4	502.2	481.8	455.8	453.5	440.0	407.2	390.2	378.9	366.4	360.8
27.5°	588.1	566.6	547.4	546.3	532.7	490.8	472.8	463.7	469.4	440.0	421.9
30°	711.4	695.6	691.0	670.7	645.8	615.3	609.6	597.2	565.5	523.6	499.9
32.5°	796.2	804.1	818.8	796.2	766.8	758.9	755.5	721.6	678.6	650.3	623.2
35°	955.7	944.4	922.9	887.8	878.8	878.8	853.9	803.0	772.5	754.4	747.6
37.5°	1047.3	1030.3	998.7	981.7	986.2	978.3	920.6	892.4	878.8	874.3	830.1
40°	1145.7	1112.9	1084.6	1089.1	1099.3	1042.8	1011.1	995.3	999.8	963.6	908.2
42.5°	1256.5	1213.6	1198.8	1224.9	1171.7	1129.9	1105.0	1114.0	1094.8	1042.8	1006.6
45°	1384.3	1341.4	1350.4	1342.5	1276.9	1238.4	1241.8	1222.6	1186.4	1146.8	1111.8
47.5°	1537.0	1515.5	1542.7	1463.5	1407.0	1394.5	1386.6	1348.1	1300.6	1269.0	1236.2
50°	1763.2	1774.5	1749.6	1655.8	1603.7	1600.4	1555.1	1498.6	1460.1	1407.0	1356.1
52.5°	2064.1	2096.9	2022.2	1947.6	1915.9	1892.1	1817.5	1753.0	1688.6	1624.1	1548.3
55°	2388.7	2453.1	2369.4	2335.5	2325.3	2340.0	2251.8	2186.2	2107.0	2017.7	1924.9
57.5°	2931.5	2948.5	2893.1	2940.6	2977.9	2983.6	3006.2	2957.5	2927.0	2901.0	2810.5
60°	3628.2	3657.6	3709.6	3877.0	3944.9	4041.0	4064.8	4128.1	4141.7	4164.3	4090.8
62.5°	3999.2	4063.6	4229.9	4426.7	4512.7	4604.3	4677.8	4735.5	4780.7	4854.2	4726.4
63°	4043.3	4108.9	4284.2	4468.5	4559.0	4652.9	4721.9	4767.1	4819.1	4871.2	4754.7
65°	4036.5	4108.9	4331.7	4430.1	4527.4	4579.4	4641.6	4645.0	4741.1	4667.6	4655.2
67.5°	3579.6	3770.7	3926.8	4033.1	4115.7	4156.4	4182.4	4214.1	4278.5	4163.2	4227.6
70°	2808.2	3052.5	3191.7	3322.8	3429.2	3459.7	3482.3	3581.8	3493.6	3503.8	3485.7
72.5°	1598.1	1977.0	2213.3	2354.7	2530.0	2561.7	2614.8	2698.5	2585.4	2643.1	2592.2
75°	857.3	1005.5	1211.3	1356.1	1426.2	1494.0	1559.6	1509.9	1478.2	1409.2	1395.6
77.5°	617.5	633.4	650.3	637.9	619.8	615.3	587.0	532.7	518.0	475.0	453.5
80°	618.7	559.8	492.0	406.0	315.5	274.8	257.9	252.2	252.2	252.2	237.5
82.5°	700.1	626.6	539.5	432.0	334.8	263.5	218.3	211.5	207.0	207.0	193.4
85°	568.9	561.0	497.6	398.1	312.2	236.4	183.2	149.3	136.8	122.1	116.5
87.5°	138.0	143.6	125.5	109.7	91.6	72.4	63.3	50.9	43.0	39.6	37.3
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):

	76°	77°	78°	79°	80°	85°	95°	105°	115°	125°	135°
0°	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
2.5°	43.0	41.8	40.7	40.7	39.6	33.9	29.4	26.0	23.8	22.6	21.5
5°	49.8	48.6	48.6	47.5	47.5	38.5	26.0	22.6	20.4	18.1	18.1
7.5°	54.3	53.2	53.2	52.0	50.9	46.4	26.0	21.5	17.0	18.1	9.0
10°	67.9	66.7	64.5	63.3	62.2	58.8	31.7	22.6	20.4	7.9	6.8
12.5°	82.6	79.2	76.9	74.6	70.1	59.9	31.7	23.8	12.4	10.2	11.3
15°	106.3	101.8	97.3	93.9	90.5	78.0	41.8	29.4	13.6	12.4	12.4
17.5°	121.0	115.4	110.8	109.7	107.4	78.0	40.7	20.4	15.8	15.8	12.4
20°	185.5	184.4	174.2	161.7	150.4	115.4	55.4	26.0	21.5	15.8	15.8
22.5°	243.2	213.8	199.1	181.0	170.8	138.0	56.5	28.3	24.9	19.2	14.7
25°	332.5	300.8	283.9	259.0	249.9	173.0	62.2	36.2	28.3	20.4	17.0
27.5°	404.9	382.3	372.1	359.7	329.1	214.9	72.4	38.5	28.3	22.6	17.0
30°	471.6	472.8	442.2	403.8	373.2	256.7	76.9	41.8	29.4	21.5	17.0
32.5°	619.8	583.6	531.6	497.6	466.0	295.2	83.7	45.2	28.3	21.5	17.0
35°	705.7	650.3	620.9	590.4	549.7	351.7	91.6	44.1	28.3	20.4	15.8
37.5°	775.9	734.0	704.6	660.5	617.5	394.7	96.1	40.7	27.1	19.2	13.6
40°	864.1	834.7	781.5	743.1	699.0	412.8	99.5	37.3	24.9	17.0	11.3
42.5°	967.0	924.0	874.3	838.1	763.4	469.4	109.7	35.1	22.6	14.7	10.2
45°	1074.4	1019.0	987.4	911.6	824.5	510.1	117.6	33.9	20.4	12.4	7.9
47.5°	1175.1	1141.2	1072.2	976.0	936.5	573.4	115.4	31.7	18.1	10.2	5.7
50°	1314.2	1267.8	1174.0	1119.7	1055.2	624.3	112.0	30.5	15.8	9.0	4.5
52.5°	1508.7	1410.3	1336.8	1274.6	1166.1	695.6	109.7	28.3	13.6	6.8	2.3
55°	1823.2	1669.3	1578.9	1462.4	1343.6	779.3	104.1	24.9	12.4	5.7	2.3
57.5°	2585.4	2419.2	2224.7	2003.0	1791.5	974.9	101.8	22.6	10.2	3.4	1.1
60°	3937.0	3828.4	3542.3	3183.7	2884.0	1371.9	109.7	19.2	7.9	2.3	1.1
62.5°	4725.3	4625.7	4422.2	4163.2	3760.5	1788.1	123.3	15.8	5.7	2.3	1.1
63°	4776.2	4695.9	4495.7	4241.2	3878.2	1845.8	130.1	15.8	5.7	2.3	1.1
65°	4681.2	4611.0	4499.1	4301.2	4064.8	2013.2	150.4	14.7	4.5	2.3	1.1
67.5°	4203.9	4129.2	4052.3	3969.8	3801.3	2067.5	165.1	13.6	3.4	2.3	1.1
70°	3476.7	3408.8	3325.1	3288.9	3197.3	1932.9	173.0	12.4	3.4	2.3	1.1
72.5°	2537.9	2459.9	2392.0	2293.6	2206.6	1462.4	127.8	12.4	2.3	2.3	1.1
75°	1289.3	1207.9	1050.7	977.2	901.4	613.0	52.0	10.2	2.3	2.3	1.1
77.5°	376.6	338.2	273.7	221.7	168.5	109.7	19.2	6.8	2.3	2.3	1.1
80°	222.8	188.9	156.1	123.3	99.5	53.2	11.3	4.5	2.3	3.4	1.1
82.5°	182.1	162.9	134.6	110.8	87.1	39.6	7.9	4.5	3.4	3.4	1.1
85°	105.2	95.0	80.3	64.5	54.3	28.3	5.7	4.5	3.4	4.5	1.1
87.5°	38.5	35.1	32.8	31.7	29.4	20.4	5.7	5.7	4.5	5.7	1.1
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):

	145°	155°	165°	175°	180°
0°	31.7	31.7	31.7	31.7	31.7
2.5°	20.4	21.5	21.5	21.5	21.5
5°	19.2	19.2	17.0	13.6	13.6
7.5°	7.9	9.0	9.0	9.0	9.0
10°	6.8	11.3	12.4	12.4	12.4
12.5°	10.2	10.2	11.3	11.3	12.4
15°	10.2	12.4	13.6	13.6	13.6
17.5°	13.6	11.3	12.4	12.4	13.6
20°	12.4	13.6	13.6	13.6	13.6
22.5°	14.7	13.6	12.4	13.6	13.6
25°	13.6	13.6	12.4	12.4	12.4
27.5°	13.6	12.4	12.4	12.4	12.4
30°	13.6	12.4	11.3	11.3	11.3
32.5°	12.4	11.3	11.3	10.2	10.2
35°	11.3	9.0	10.2	10.2	10.2
37.5°	10.2	7.9	7.9	9.0	7.9
40°	7.9	6.8	5.7	6.8	6.8
42.5°	5.7	4.5	4.5	4.5	4.5
45°	4.5	2.3	2.3	2.3	2.3
47.5°	2.3	1.1	1.1	1.1	1.1
50°	1.1	0.0	0.0	0.0	0.0
52.5°	1.1	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
63°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	1.1	1.1	1.1	0.0	0.0
75°	1.1	1.1	1.1	1.1	1.1
77.5°	2.3	2.3	2.3	1.1	1.1
80°	3.4	2.3	2.3	1.1	1.1
82.5°	3.4	3.4	3.4	2.3	1.1
85°	4.5	3.4	3.4	3.4	1.1
87.5°	5.7	4.5	4.5	3.4	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)