

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: P179341

Luminaire Tested: **UTLD-E03-LED-E-U-T2-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179341
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-E03-LED-E-U-T2-HSS-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (63) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4432.1 lumens
Efficiency: N/A
Efficacy: 58.9 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): 75.2
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

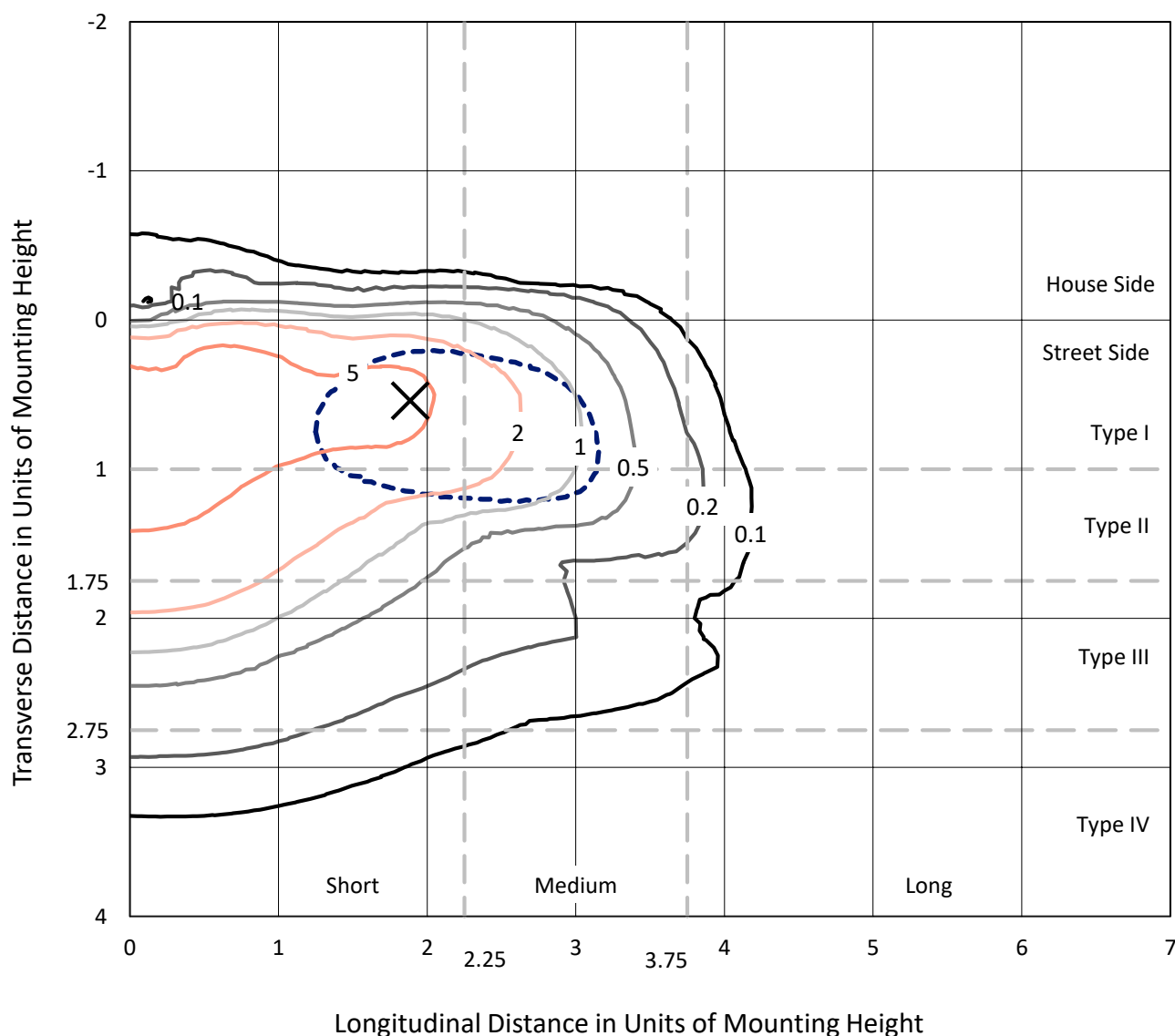


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

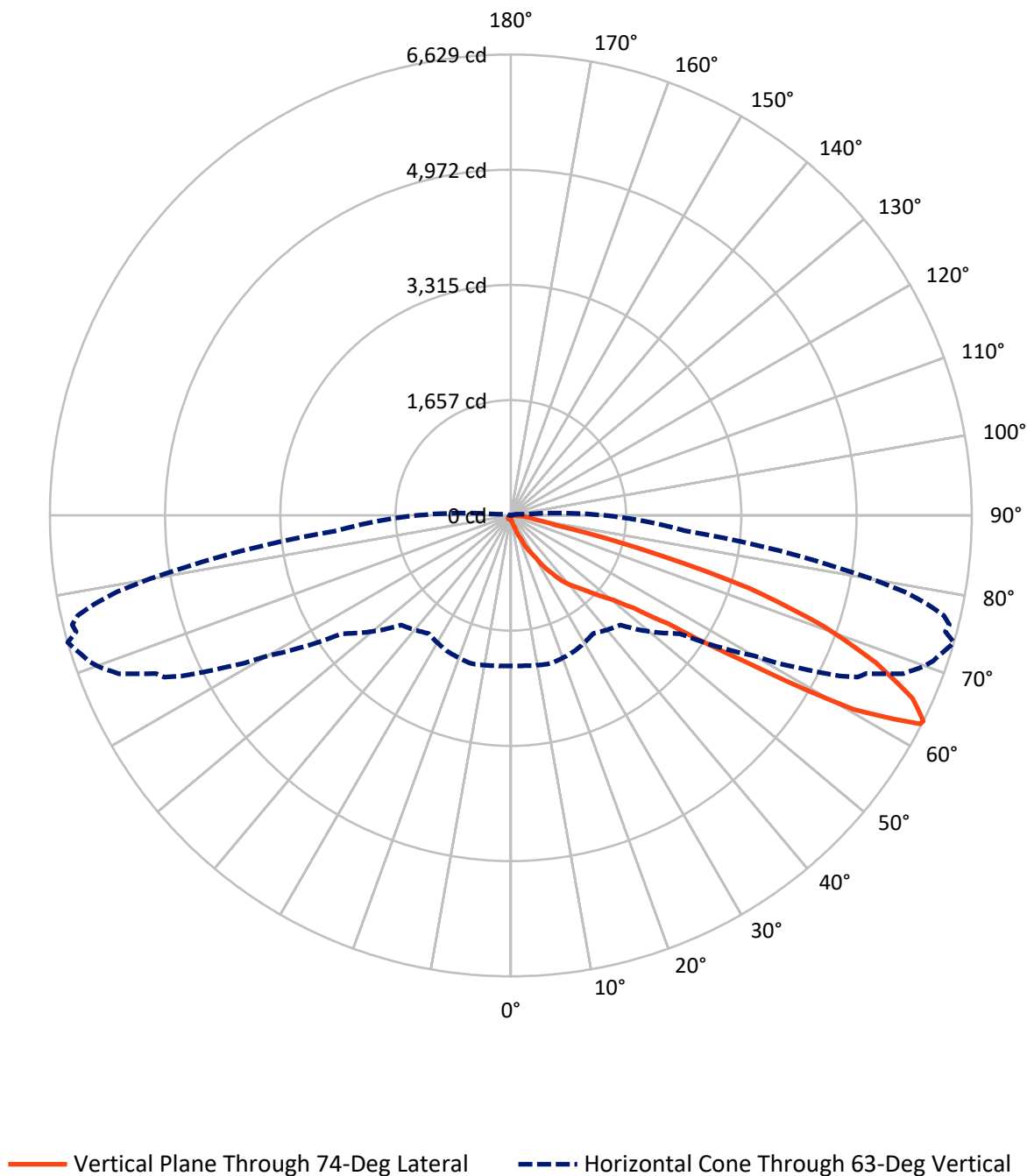


Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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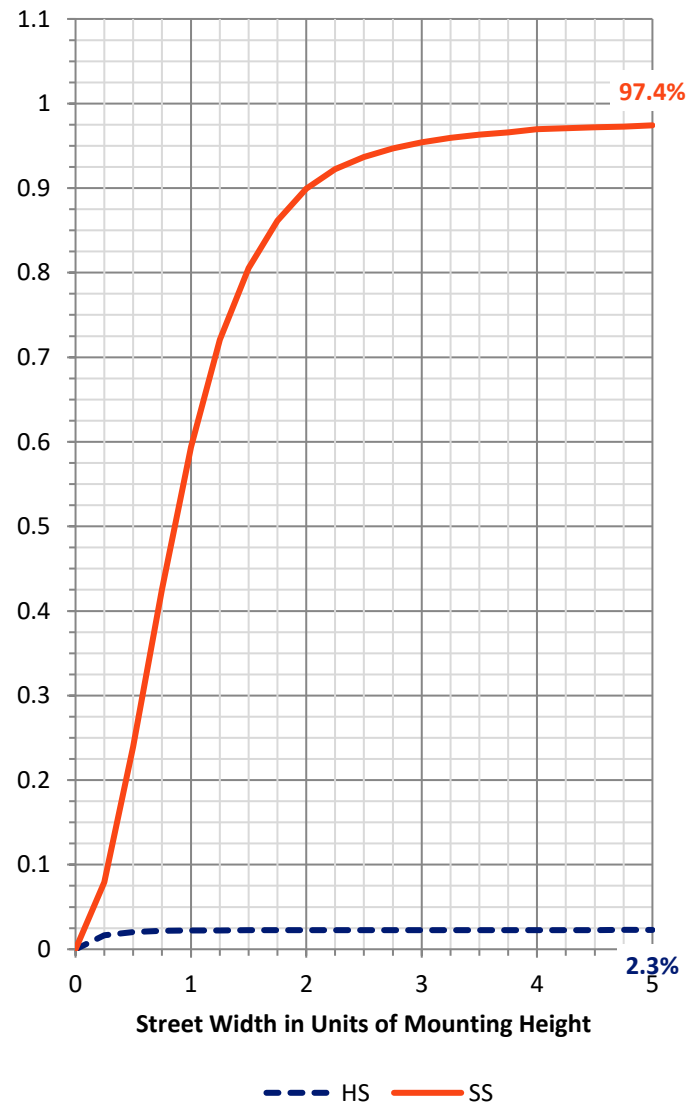
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	102.9	0.0	102.9
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	4329.2	0.0	4329.2
	% Fixture	97.7	0.0	97.7
Total	Lumens	4432.1	0.0	4432.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.3	0.2
10°-20°	51.0	1.2
20°-30°	165.5	3.7
30°-40°	395.3	8.9
40°-50°	742.4	16.8
50°-60°	1166.9	26.3
60°-70°	1370.7	30.9
70°-80°	470.6	10.6
80°-90°	62.3	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°	4432.1	100.0
0°-180°	4432.1	100.0

Coefficient of Utilization



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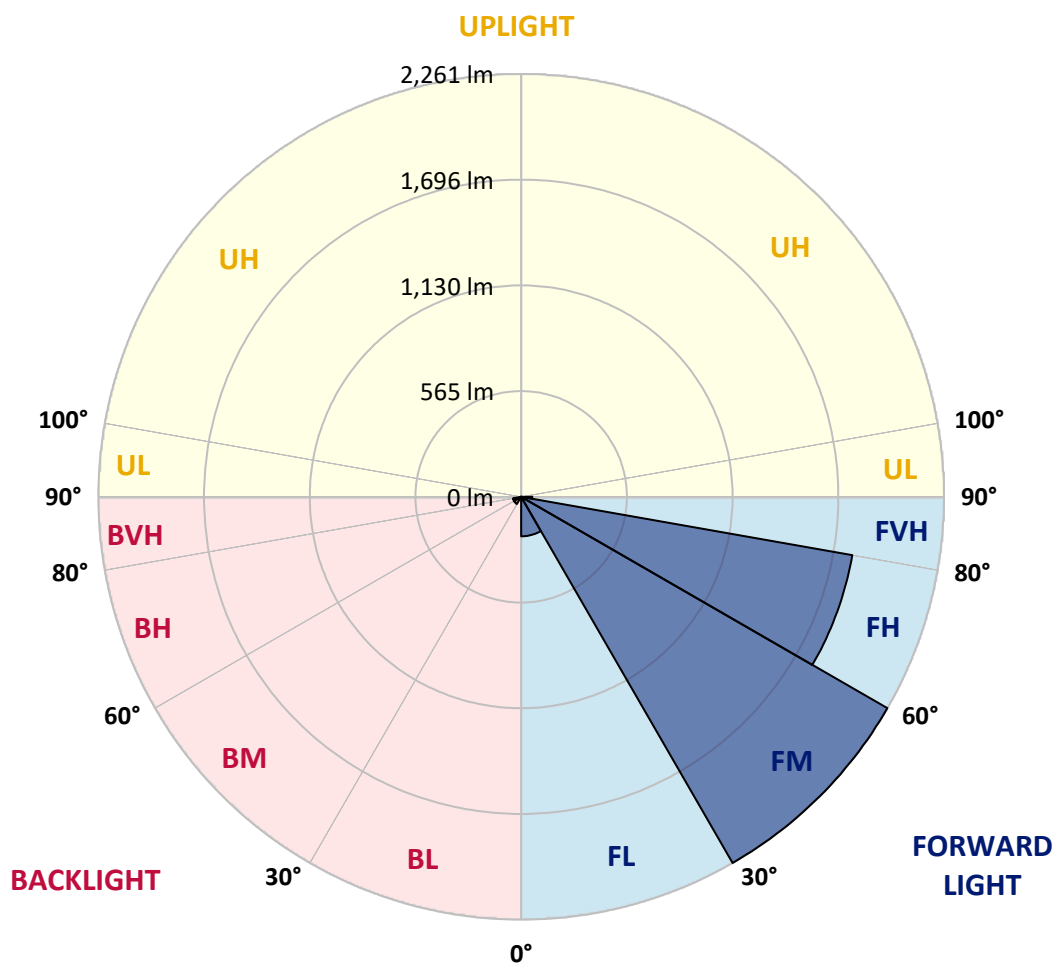
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	211.1	4.8			
FM	(30°-60°)	2260.7	51.0			
FH	(60°-80°)	1797.8	40.6			G1/1800
FVH	(80°-90°)	59.6	1.3			G1/100
BL	(0°-30°)	12.6	0.3	B0/110		
BM	(30°-60°)	44.0	1.0	B0/220		
BH	(60°-80°)	43.5	1.0	B0/110		G0/110
BVH	(80°-90°)	2.7	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°	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
2.5°	84.7	83.1	80.0	77.0	75.4	72.3	70.8	67.7	67.7	66.2	67.7
5°	123.1	117.0	110.8	106.2	101.6	97.0	87.7	81.6	80.0	80.0	77.0
7.5°	232.4	223.2	217.0	207.8	190.9	144.7	107.7	100.0	98.5	97.0	93.9
10°	264.7	263.2	260.1	249.3	235.5	210.9	186.2	127.8	124.7	120.1	121.6
12.5°	380.2	375.6	378.6	358.6	329.4	269.4	244.7	218.6	212.4	207.8	190.9
15°	520.2	512.5	414.0	400.2	374.0	370.9	281.7	252.4	246.3	235.5	224.7
17.5°	551.0	555.6	547.9	515.6	458.7	411.0	401.7	320.1	310.9	306.3	294.0
20°	709.6	709.6	678.8	560.3	561.8	514.1	464.8	407.9	367.9	358.6	370.9
22.5°	732.6	735.7	726.5	735.7	603.4	608.0	612.6	578.7	564.9	547.9	526.4
25°	857.3	861.9	840.4	754.2	780.4	706.5	709.6	666.5	644.9	680.3	674.2
27.5°	974.3	977.4	854.2	852.7	825.0	851.2	888.1	849.6	838.8	823.4	794.2
30°	1025.1	1031.2	992.8	1029.7	982.0	926.6	974.3	1029.7	1018.9	992.8	1000.5
32.5°	1245.2	1248.3	1226.7	1108.2	1105.1	1106.7	1177.5	1139.0	1125.1	1094.3	1099.0
35°	1516.1	1514.5	1345.2	1317.5	1240.6	1288.3	1291.4	1328.3	1280.6	1314.4	1282.1
37.5°	1733.1	1723.9	1613.0	1583.8	1482.2	1440.7	1469.9	1443.7	1411.4	1439.1	1428.3
40°	1923.9	1933.2	1882.4	1765.4	1706.9	1645.4	1637.7	1565.3	1596.1	1573.0	1569.9
42.5°	2074.8	2090.2	2059.4	1947.0	1865.5	1854.7	1822.4	1733.1	1782.3	1739.2	1745.4
45°	2261.0	2256.4	2199.5	2082.5	2027.1	2040.9	2060.9	1991.7	1994.7	1979.4	1944.0
47.5°	2438.0	2436.5	2401.1	2236.4	2167.1	2202.5	2318.0	2302.6	2245.6	2268.7	2187.1
50°	2588.9	2590.4	2548.8	2365.7	2278.0	2361.1	2585.8	2604.3	2576.6	2584.2	2488.8
52.5°	2641.2	2644.3	2625.8	2439.6	2348.8	2475.0	2802.8	2898.2	2925.9	2933.6	2829.0
55°	2588.9	2599.6	2595.0	2433.4	2347.2	2525.8	2992.1	3186.1	3258.4	3298.4	3235.3
57.5°	2490.4	2499.6	2518.1	2416.5	2331.8	2542.7	3159.9	3580.1	3709.4	3792.5	3814.0
60°	2374.9	2385.7	2441.1	2398.0	2308.7	2513.4	3249.2	3935.6	4166.5	4349.7	4639.0
62.5°	2217.9	2228.7	2274.9	2231.8	2136.4	2308.7	3049.1	4034.1	4355.8	4617.5	5156.2
63°	2164.1	2170.2	2205.6	2156.4	2070.2	2228.7	2962.9	4040.3	4382.0	4656.0	5265.5
65°	1702.3	1714.6	1754.6	1702.3	1683.8	1842.4	2471.9	3841.7	4312.7	4609.8	5359.3
67.5°	929.7	945.0	1005.1	982.0	1088.2	1266.7	1639.2	2804.3	3449.3	3871.0	4725.2
70°	675.7	675.7	726.5	741.9	794.2	932.7	1082.0	1425.3	1800.8	2291.8	3383.1
72.5°	491.0	501.8	544.9	588.0	663.4	831.1	1066.6	828.1	852.7	1005.1	1780.8
75°	244.7	266.3	314.0	364.8	443.3	632.6	1129.7	858.9	780.4	760.3	909.6
77.5°	56.9	58.5	95.4	187.8	226.3	363.2	894.3	1049.7	945.0	894.3	800.4
80°	29.2	30.8	38.5	93.9	103.1	130.8	469.4	1108.2	1120.5	1089.7	898.9
82.5°	15.4	15.4	23.1	40.0	40.0	46.2	133.9	674.2	934.3	1060.5	1037.4
85°	6.2	6.2	13.9	20.0	21.5	20.0	36.9	264.7	467.9	608.0	814.2
87.5°	1.5	1.5	4.6	7.7	9.2	10.8	16.9	49.3	81.6	112.4	187.8
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
2.5°	66.2	66.2	66.2	64.6	64.6	64.6	64.6	63.1	63.1	63.1	58.5
5°	75.4	75.4	73.9	72.3	72.3	70.8	70.8	70.8	69.3	69.3	67.7
7.5°	92.3	90.8	89.3	86.2	84.7	83.1	83.1	80.0	78.5	77.0	75.4
10°	121.6	120.1	115.4	112.4	109.3	106.2	103.1	101.6	98.5	97.0	93.9
12.5°	166.2	144.7	140.1	135.4	129.3	124.7	121.6	118.5	117.0	112.4	113.9
15°	240.1	235.5	230.9	227.8	220.1	186.2	172.4	169.3	163.2	158.5	152.4
17.5°	290.9	286.3	275.5	258.6	255.5	249.3	241.6	234.0	197.0	178.5	172.4
20°	377.1	369.4	380.2	377.1	364.8	352.5	338.6	330.9	321.7	304.8	277.0
22.5°	472.5	472.5	458.7	449.4	434.0	414.0	412.5	395.6	363.2	350.9	346.3
25°	674.2	683.4	655.7	620.3	617.2	598.7	554.1	531.0	515.6	498.7	491.0
27.5°	800.4	771.1	745.0	743.4	724.9	668.0	643.4	631.1	638.8	598.7	574.1
30°	968.1	946.6	940.4	912.7	878.9	837.3	829.6	812.7	769.6	712.6	680.3
32.5°	1083.6	1094.3	1114.4	1083.6	1043.5	1032.8	1028.2	982.0	923.5	885.0	848.1
35°	1300.6	1285.2	1256.0	1208.2	1195.9	1195.9	1162.1	1092.8	1051.2	1026.6	1017.4
37.5°	1425.3	1402.2	1359.1	1336.0	1342.1	1331.4	1252.9	1214.4	1195.9	1189.8	1129.7
40°	1559.2	1514.5	1476.1	1482.2	1496.1	1419.1	1376.0	1354.5	1360.6	1311.4	1235.9
42.5°	1710.0	1651.5	1631.5	1666.9	1594.6	1537.6	1503.8	1516.1	1489.9	1419.1	1369.9
45°	1883.9	1825.4	1837.8	1827.0	1737.7	1685.4	1690.0	1663.8	1614.6	1560.7	1513.0
47.5°	2091.7	2062.5	2099.4	1991.7	1914.7	1897.8	1887.0	1834.7	1770.0	1726.9	1682.3
50°	2399.5	2414.9	2381.1	2253.3	2182.5	2177.9	2116.3	2039.4	1987.1	1914.7	1845.5
52.5°	2809.0	2853.6	2752.0	2650.4	2607.3	2575.0	2473.4	2385.7	2298.0	2210.2	2107.1
55°	3250.7	3338.4	3224.5	3178.4	3164.5	3184.5	3064.5	2975.2	2867.5	2745.9	2619.6
57.5°	3989.5	4012.6	3937.2	4001.8	4052.6	4060.3	4091.1	4024.9	3983.3	3947.9	3824.8
60°	4937.6	4977.6	5048.4	5276.2	5368.6	5499.4	5531.7	5617.9	5636.4	5667.2	5567.1
62.5°	5442.5	5530.2	5756.5	6024.3	6141.2	6265.9	6366.0	6444.5	6506.0	6606.1	6432.1
63°	5502.5	5591.8	5830.3	6081.2	6204.3	6332.1	6426.0	6487.6	6558.4	6629.2	6470.6
65°	5493.3	5591.8	5895.0	6028.9	6161.3	6232.1	6316.7	6321.3	6452.2	6352.1	6335.2
67.5°	4871.4	5131.6	5344.0	5488.6	5601.0	5656.4	5691.8	5734.9	5822.6	5665.6	5753.4
70°	3821.7	4154.2	4343.5	4522.0	4666.7	4708.3	4739.1	4874.5	4754.5	4768.3	4743.7
72.5°	2174.8	2690.4	3012.1	3204.5	3443.1	3486.2	3558.5	3672.4	3518.5	3597.0	3527.8
75°	1166.7	1368.3	1648.4	1845.5	1940.9	2033.2	2122.5	2054.8	2011.7	1917.8	1899.3
77.5°	840.4	861.9	885.0	868.1	843.5	837.3	798.8	724.9	704.9	646.4	617.2
80°	841.9	761.9	669.5	552.6	429.4	374.0	350.9	343.2	343.2	343.2	323.2
82.5°	952.7	852.7	734.2	588.0	455.6	358.6	297.1	287.8	281.7	281.7	263.2
85°	774.2	763.4	677.2	541.8	424.8	321.7	249.3	203.2	186.2	166.2	158.5
87.5°	187.8	195.5	170.8	149.3	124.7	98.5	86.2	69.3	58.5	53.9	50.8
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):

	76°	77°	78°	79°	80°	85°	95°	105°	115°	125°	135°
0°	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
2.5°	58.5	56.9	55.4	55.4	53.9	46.2	40.0	35.4	32.3	30.8	29.2
5°	67.7	66.2	66.2	64.6	64.6	52.3	35.4	30.8	27.7	24.6	24.6
7.5°	73.9	72.3	72.3	70.8	69.3	63.1	35.4	29.2	23.1	24.6	12.3
10°	92.3	90.8	87.7	86.2	84.7	80.0	43.1	30.8	27.7	10.8	9.2
12.5°	112.4	107.7	104.7	101.6	95.4	81.6	43.1	32.3	16.9	13.9	15.4
15°	144.7	138.5	132.4	127.8	123.1	106.2	56.9	40.0	18.5	16.9	16.9
17.5°	164.7	157.0	150.8	149.3	146.2	106.2	55.4	27.7	21.5	21.5	16.9
20°	252.4	250.9	237.0	220.1	204.7	157.0	75.4	35.4	29.2	21.5	21.5
22.5°	330.9	290.9	270.9	246.3	232.4	187.8	77.0	38.5	33.9	26.2	20.0
25°	452.5	409.4	386.3	352.5	340.2	235.5	84.7	49.3	38.5	27.7	23.1
27.5°	551.0	520.2	506.4	489.5	447.9	292.4	98.5	52.3	38.5	30.8	23.1
30°	641.8	643.4	601.8	549.5	507.9	349.4	104.7	56.9	40.0	29.2	23.1
32.5°	843.5	794.2	723.4	677.2	634.1	401.7	113.9	61.6	38.5	29.2	23.1
35°	960.4	885.0	845.0	803.4	748.0	478.7	124.7	60.0	38.5	27.7	21.5
37.5°	1055.9	998.9	958.9	898.9	840.4	537.2	130.8	55.4	36.9	26.2	18.5
40°	1175.9	1135.9	1063.6	1011.2	951.2	561.8	135.4	50.8	33.9	23.1	15.4
42.5°	1316.0	1257.5	1189.8	1140.5	1038.9	638.8	149.3	47.7	30.8	20.0	13.9
45°	1462.2	1386.8	1343.7	1240.6	1122.0	694.2	160.1	46.2	27.7	16.9	10.8
47.5°	1599.2	1553.0	1459.1	1328.3	1274.4	780.4	157.0	43.1	24.6	13.9	7.7
50°	1788.5	1725.4	1597.6	1523.8	1436.0	849.6	152.4	41.6	21.5	12.3	6.2
52.5°	2053.2	1919.3	1819.3	1734.6	1586.9	946.6	149.3	38.5	18.5	9.2	3.1
55°	2481.1	2271.8	2148.7	1990.1	1828.5	1060.5	141.6	33.9	16.9	7.7	3.1
57.5°	3518.5	3292.3	3027.5	2725.8	2438.0	1326.8	138.5	30.8	13.9	4.6	1.5
60°	5357.8	5210.1	4820.6	4332.7	3924.9	1867.0	149.3	26.2	10.8	3.1	1.5
62.5°	6430.6	6295.2	6018.1	5665.6	5117.7	2433.4	167.8	21.5	7.7	3.1	1.5
63°	6499.9	6390.6	6118.2	5771.8	5277.8	2511.9	177.0	21.5	7.7	3.1	1.5
65°	6370.6	6275.1	6122.8	5853.4	5531.7	2739.7	204.7	20.0	6.2	3.1	1.5
67.5°	5721.1	5619.5	5514.8	5402.4	5173.1	2813.6	224.7	18.5	4.6	3.1	1.5
70°	4731.4	4639.0	4525.1	4475.9	4351.2	2630.4	235.5	16.9	4.6	3.1	1.5
72.5°	3453.9	3347.7	3255.3	3121.4	3002.9	1990.1	173.9	16.9	3.1	3.1	1.5
75°	1754.6	1643.8	1429.9	1329.8	1226.7	834.2	70.8	13.9	3.1	3.1	1.5
77.5°	512.5	460.2	372.5	301.7	229.3	149.3	26.2	9.2	3.1	3.1	1.5
80°	303.2	257.0	212.4	167.8	135.4	72.3	15.4	6.2	3.1	4.6	1.5
82.5°	247.8	221.6	183.2	150.8	118.5	53.9	10.8	6.2	4.6	4.6	1.5
85°	143.1	129.3	109.3	87.7	73.9	38.5	7.7	6.2	4.6	6.2	1.5
87.5°	52.3	47.7	44.6	43.1	40.0	27.7	7.7	7.7	6.2	7.7	1.5
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°	43.1	43.1	43.1	43.1	43.1
2.5°	27.7	29.2	29.2	29.2	29.2
5°	26.2	26.2	23.1	18.5	18.5
7.5°	10.8	12.3	12.3	12.3	12.3
10°	9.2	15.4	16.9	16.9	16.9
12.5°	13.9	13.9	15.4	15.4	16.9
15°	13.9	16.9	18.5	18.5	18.5
17.5°	18.5	15.4	16.9	16.9	18.5
20°	16.9	18.5	18.5	18.5	18.5
22.5°	20.0	18.5	16.9	18.5	18.5
25°	18.5	18.5	16.9	16.9	16.9
27.5°	18.5	16.9	16.9	16.9	16.9
30°	18.5	16.9	15.4	15.4	15.4
32.5°	16.9	15.4	15.4	13.9	13.9
35°	15.4	12.3	13.9	13.9	13.9
37.5°	13.9	10.8	10.8	12.3	10.8
40°	10.8	9.2	7.7	9.2	9.2
42.5°	7.7	6.2	6.2	6.2	6.2
45°	6.2	3.1	3.1	3.1	3.1
47.5°	3.1	1.5	1.5	1.5	1.5
50°	1.5	0.0	0.0	0.0	0.0
52.5°	1.5	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°	1.5	1.5	1.5	0.0	0.0
75°	1.5	1.5	1.5	1.5	1.5
77.5°	3.1	3.1	3.1	1.5	1.5
80°	4.6	3.1	3.1	1.5	1.5
82.5°	4.6	4.6	4.6	3.1	1.5
85°	6.2	4.6	4.6	4.6	1.5
87.5°	7.7	6.2	6.2	4.6	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)