

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: P179339

Luminaire Tested: **UTLD-E03-LED-E-U-T2-HSS-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P179339  
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-7030  
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD  
Light Source: (63) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3945 lumens  
Efficiency: N/A  
Efficacy: 52.5 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

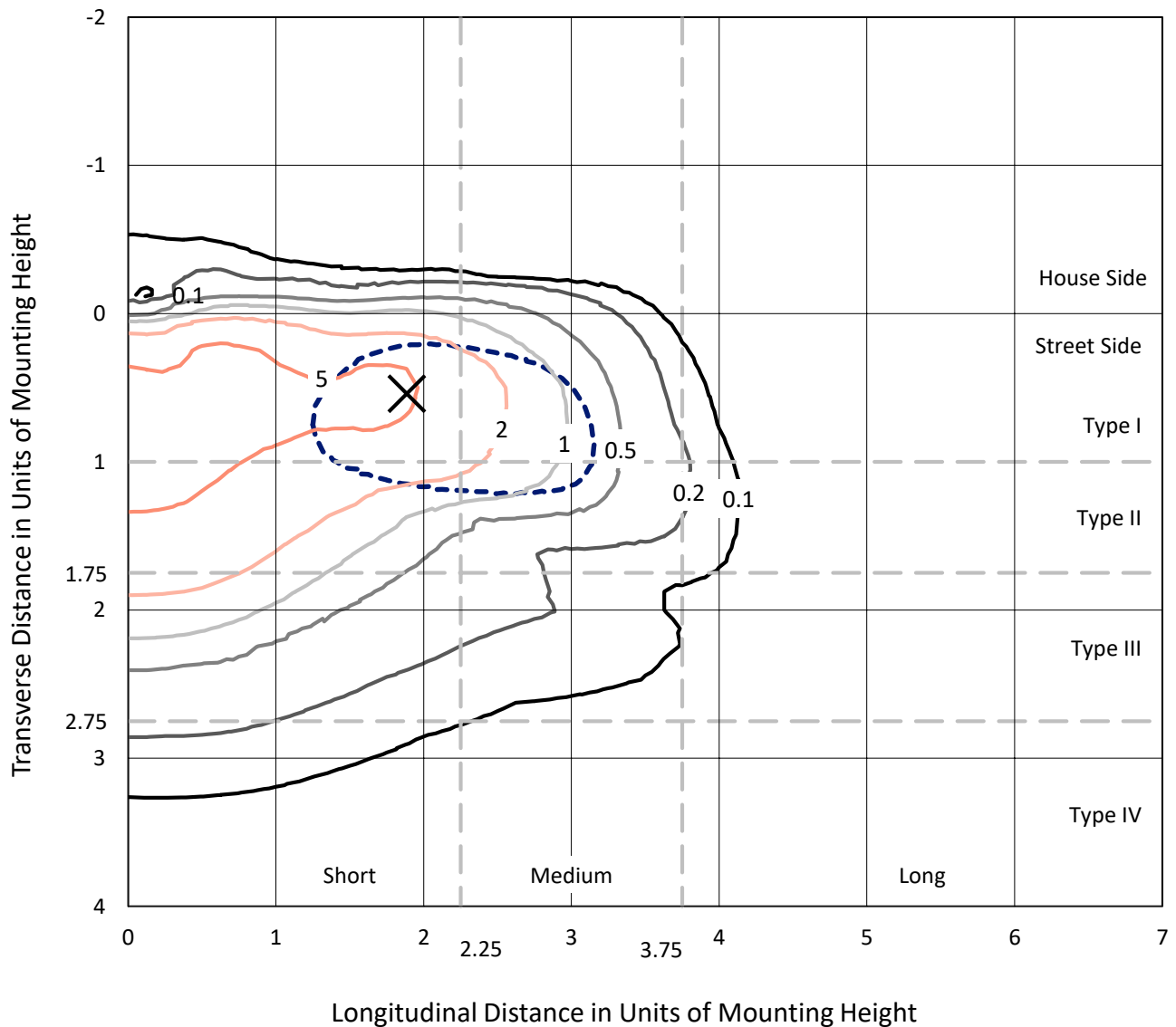
Input Watts (W): 75.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

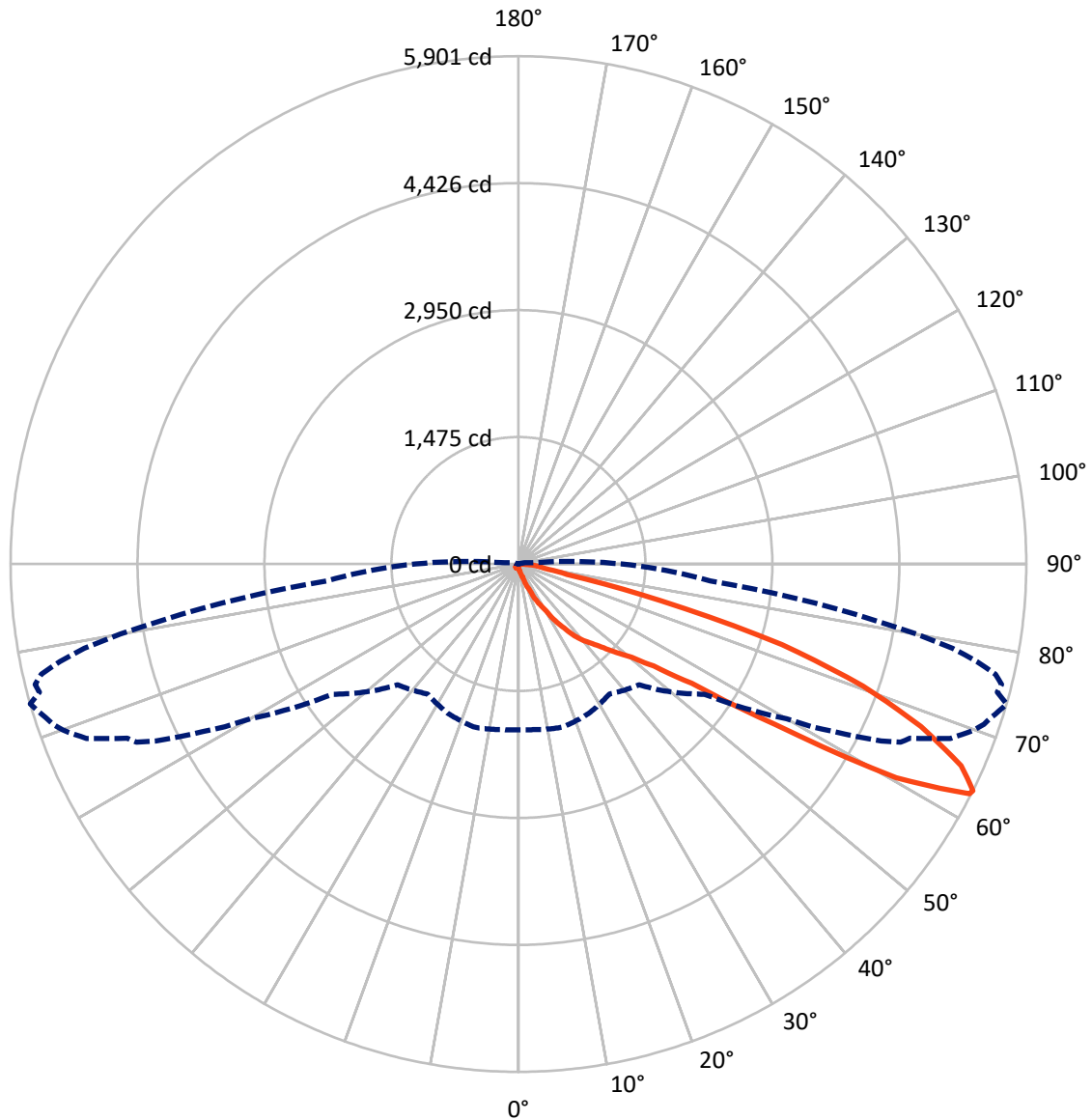
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral    - - - Horizontal Cone Through 63-Deg Vertical

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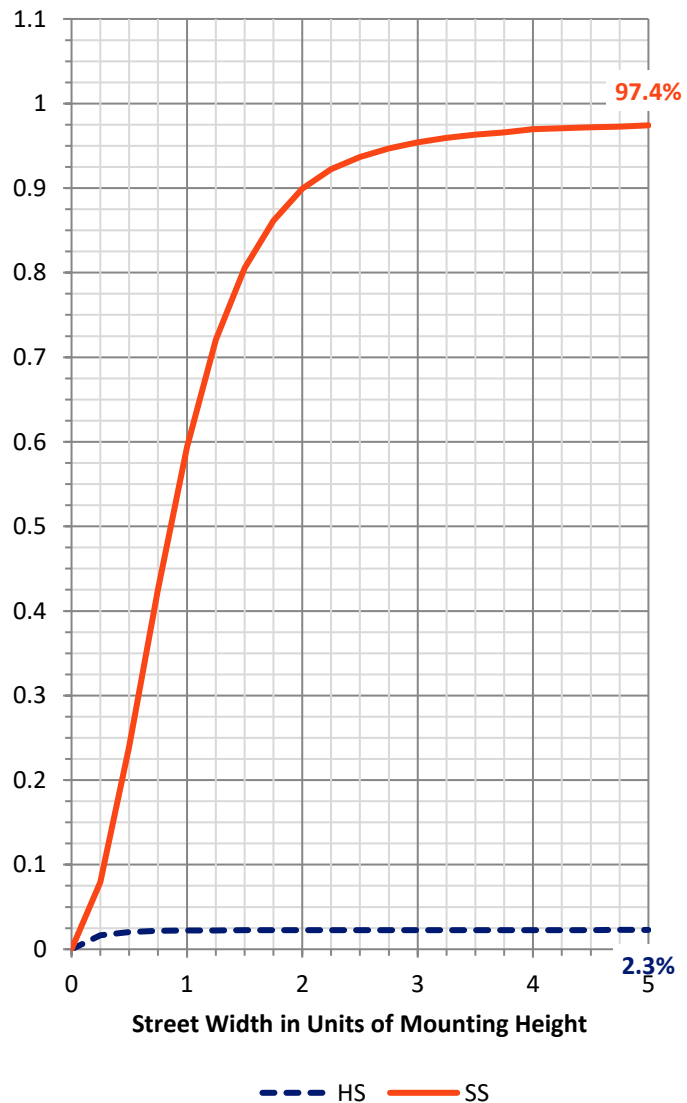
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	91.6	0.0	91.6
	% Fixture	2.3	0.0	2.3
<b>Street Side</b>	Lumens	3853.5	0.0	3853.5
	% Fixture	97.7	0.0	97.7
<b>Total</b>	Lumens	3945.0	0.0	3945.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.5	0.2
10°-20°	45.4	1.2
20°-30°	147.3	3.7
30°-40°	351.9	8.9
40°-50°	660.8	16.8
50°-60°	1038.7	26.3
60°-70°	1220.1	30.9
70°-80°	418.9	10.6
80°-90°	55.5	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°	3945.0	100.0
0°-180°	3945.0	100.0

**Coefficient of Utilization**



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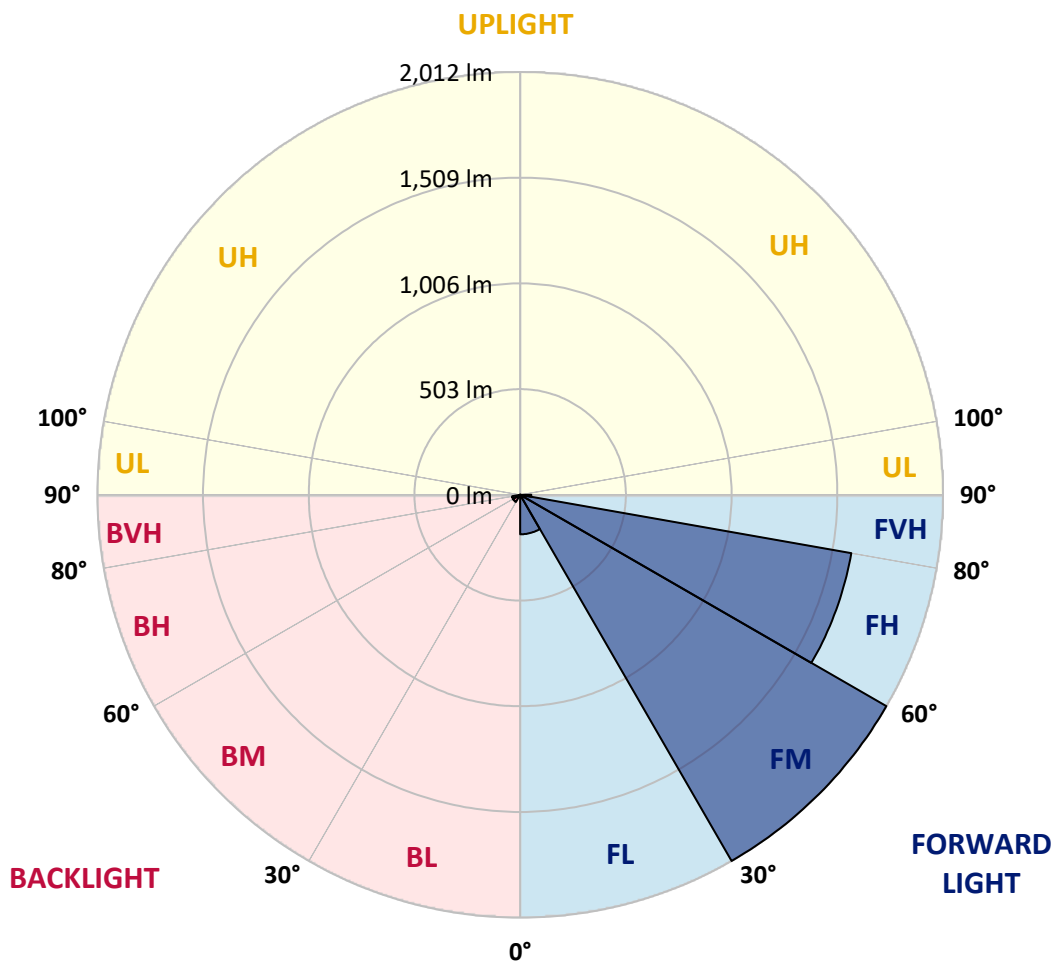
CATALOG NUMBER: UTLD-E03-LED-E-U-T2-HSS-7030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	187.9	4.8			
FM	(30°-60°)	2012.3	51.0			
FH	(60°-80°)	1600.3	40.6			G1/1800
FVH	(80°-90°)	53.0	1.3			G1/100
BL	(0°-30°)	11.2	0.3	B0/110		
BM	(30°-60°)	39.2	1.0	B0/220		
BH	(60°-80°)	38.8	1.0	B0/110		G0/110
BVH	(80°-90°)	2.4	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°	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
2.5°	75.4	74.0	71.2	68.5	67.1	64.4	63.0	60.3	60.3	58.9	60.3
5°	109.6	104.1	98.6	94.5	90.4	86.3	78.1	72.6	71.2	71.2	68.5
7.5°	206.9	198.7	193.2	185.0	169.9	128.8	95.9	89.1	87.7	86.3	83.6
10°	235.6	234.3	231.5	221.9	209.6	187.7	165.8	113.7	111.0	106.9	108.2
12.5°	338.4	334.3	337.0	319.2	293.2	239.8	217.8	194.5	189.1	185.0	169.9
15°	463.1	456.2	368.5	356.2	332.9	330.2	250.7	224.7	219.2	209.6	200.0
17.5°	490.5	494.6	487.7	459.0	408.3	365.8	357.6	285.0	276.7	272.6	261.7
20°	631.6	631.6	604.2	498.7	500.1	457.6	413.7	363.1	327.4	319.2	330.2
22.5°	652.1	654.9	646.7	654.9	537.0	541.2	545.3	515.1	502.8	487.7	468.5
25°	763.1	767.2	748.0	671.3	694.6	628.8	631.6	593.2	574.0	605.6	600.1
27.5°	867.2	870.0	760.4	759.0	734.3	757.6	790.5	756.3	746.7	733.0	706.9
30°	912.4	917.9	883.7	916.5	874.1	824.8	867.2	916.5	907.0	883.7	890.5
32.5°	1108.4	1111.1	1091.9	986.4	983.7	985.0	1048.1	1013.8	1001.5	974.1	978.2
35°	1349.5	1348.1	1197.4	1172.7	1104.2	1146.7	1149.5	1182.3	1139.9	1170.0	1141.2
37.5°	1542.6	1534.4	1435.8	1409.8	1319.3	1282.3	1308.4	1285.1	1256.3	1281.0	1271.4
40°	1712.5	1720.8	1675.5	1571.4	1519.4	1464.6	1457.7	1393.3	1420.7	1400.2	1397.4
42.5°	1846.8	1860.5	1833.1	1733.1	1660.5	1650.9	1622.1	1542.6	1586.5	1548.1	1553.6
45°	2012.6	2008.5	1957.8	1853.6	1804.3	1816.7	1834.5	1772.8	1775.6	1761.9	1730.3
47.5°	2170.1	2168.8	2137.2	1990.6	1929.0	1960.5	2063.3	2049.6	1998.9	2019.4	1946.8
50°	2304.4	2305.8	2268.8	2105.7	2027.6	2101.6	2301.6	2318.1	2293.4	2300.3	2215.3
52.5°	2351.0	2353.7	2337.3	2171.5	2090.7	2203.0	2494.8	2579.8	2604.4	2611.3	2518.1
55°	2304.4	2314.0	2309.9	2166.0	2089.3	2248.2	2663.3	2836.0	2900.3	2936.0	2879.8
57.5°	2216.7	2224.9	2241.4	2150.9	2075.6	2263.3	2812.7	3186.7	3301.8	3375.7	3394.9
60°	2113.9	2123.5	2172.9	2134.5	2055.0	2237.3	2892.1	3503.2	3708.7	3871.7	4129.3
62.5°	1974.2	1983.8	2024.9	1986.5	1901.6	2055.0	2714.0	3590.8	3877.2	4110.1	4589.6
63°	1926.3	1931.7	1963.2	1919.4	1842.7	1983.8	2637.3	3596.3	3900.5	4144.3	4686.9
65°	1515.2	1526.2	1561.8	1515.2	1498.8	1639.9	2200.3	3419.6	3838.8	4103.2	4770.4
67.5°	827.5	841.2	894.6	874.1	968.6	1127.5	1459.1	2496.2	3070.2	3445.6	4206.0
70°	601.4	601.4	646.7	660.4	706.9	830.2	963.1	1268.6	1602.9	2040.0	3011.3
72.5°	437.0	446.6	485.0	523.3	590.5	739.8	949.4	737.1	759.0	894.6	1585.1
75°	217.8	237.0	279.5	324.7	394.6	563.1	1005.6	764.5	694.6	676.8	809.7
77.5°	50.7	52.1	84.9	167.1	201.4	323.3	796.0	934.4	841.2	796.0	712.4
80°	26.0	27.4	34.3	83.6	91.8	116.5	417.9	986.4	997.4	970.0	800.1
82.5°	13.7	13.7	20.6	35.6	35.6	41.1	119.2	600.1	831.6	943.9	923.4
85°	5.5	5.5	12.3	17.8	19.2	17.8	32.9	235.6	416.5	541.2	724.7
87.5°	1.4	1.4	4.1	6.9	8.2	9.6	15.1	43.8	72.6	100.0	167.1
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):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
2.5°	58.9	58.9	58.9	57.5	57.5	57.5	57.5	56.2	56.2	56.2	52.1
5°	67.1	67.1	65.8	64.4	64.4	63.0	63.0	63.0	61.7	61.7	60.3
7.5°	82.2	80.8	79.5	76.7	75.4	74.0	74.0	71.2	69.9	68.5	67.1
10°	108.2	106.9	102.8	100.0	97.3	94.5	91.8	90.4	87.7	86.3	83.6
12.5°	148.0	128.8	124.7	120.6	115.1	111.0	108.2	105.5	104.1	100.0	101.4
15°	213.7	209.6	205.5	202.8	195.9	165.8	153.4	150.7	145.2	141.1	135.6
17.5°	258.9	254.8	245.2	230.2	227.4	221.9	215.1	208.2	175.4	158.9	153.4
20°	335.7	328.8	338.4	335.7	324.7	313.7	301.4	294.6	286.3	271.3	246.6
22.5°	420.6	420.6	408.3	400.0	386.3	368.5	367.2	352.1	323.3	312.4	308.3
25°	600.1	608.3	583.6	552.1	549.4	532.9	493.2	472.7	459.0	443.9	437.0
27.5°	712.4	686.4	663.1	661.7	645.3	594.6	572.7	561.7	568.6	532.9	511.0
30°	861.7	842.6	837.1	812.4	782.3	745.3	738.4	723.4	685.0	634.3	605.6
32.5°	964.5	974.1	991.9	964.5	928.9	919.3	915.2	874.1	822.0	787.8	754.9
35°	1157.7	1144.0	1117.9	1075.5	1064.5	1064.5	1034.4	972.7	935.7	913.8	905.6
37.5°	1268.6	1248.1	1209.7	1189.2	1194.7	1185.1	1115.2	1081.0	1064.5	1059.0	1005.6
40°	1387.8	1348.1	1313.9	1319.3	1331.7	1263.2	1224.8	1205.6	1211.1	1167.3	1100.1
42.5°	1522.1	1470.0	1452.2	1483.7	1419.3	1368.7	1338.5	1349.5	1326.2	1263.2	1219.3
45°	1676.9	1624.9	1635.8	1626.2	1546.8	1500.2	1504.3	1481.0	1437.2	1389.2	1346.7
47.5°	1861.9	1835.8	1868.7	1772.8	1704.3	1689.2	1679.7	1633.1	1575.5	1537.2	1497.4
50°	2135.9	2149.6	2119.4	2005.7	1942.7	1938.6	1883.8	1815.3	1768.7	1704.3	1642.7
52.5°	2500.3	2540.0	2449.6	2359.2	2320.8	2292.1	2201.6	2123.5	2045.4	1967.4	1875.6
55°	2893.5	2971.6	2870.2	2829.1	2816.8	2834.6	2727.7	2648.3	2552.4	2444.1	2331.8
57.5°	3551.1	3571.7	3504.5	3562.1	3607.3	3614.1	3641.5	3582.6	3545.6	3514.1	3404.5
60°	4395.0	4430.7	4493.7	4696.4	4778.6	4895.1	4923.9	5000.6	5017.0	5044.4	4955.4
62.5°	4844.4	4922.5	5123.9	5362.3	5466.4	5577.4	5666.4	5736.3	5791.1	5880.1	5725.3
63°	4897.8	4977.3	5189.7	5413.0	5522.6	5636.3	5719.9	5774.7	5837.7	5900.7	5759.6
65°	4889.6	4977.3	5247.2	5366.4	5484.2	5547.2	5622.6	5626.7	5743.1	5654.1	5639.0
67.5°	4336.1	4567.7	4756.7	4885.5	4985.5	5034.8	5066.4	5104.7	5182.8	5043.1	5121.2
70°	3401.8	3697.7	3866.2	4025.1	4153.9	4190.9	4218.3	4338.9	4232.0	4244.3	4222.4
72.5°	1935.8	2394.8	2681.1	2852.4	3064.7	3103.1	3167.5	3268.9	3131.9	3201.7	3140.1
75°	1038.5	1218.0	1467.3	1642.7	1727.6	1809.8	1889.3	1829.0	1790.6	1707.1	1690.6
77.5°	748.0	767.2	787.8	772.7	750.8	745.3	711.0	645.3	627.5	575.4	549.4
80°	749.4	678.2	596.0	491.8	382.2	332.9	312.4	305.5	305.5	305.5	287.7
82.5°	848.0	759.0	653.5	523.3	405.5	319.2	264.4	256.2	250.7	250.7	234.3
85°	689.1	679.5	602.8	482.2	378.1	286.3	221.9	180.8	165.8	148.0	141.1
87.5°	167.1	174.0	152.1	132.9	111.0	87.7	76.7	61.7	52.1	48.0	45.2
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°	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
2.5°	52.1	50.7	49.3	49.3	48.0	41.1	35.6	31.5	28.8	27.4	26.0
5°	60.3	58.9	58.9	57.5	57.5	46.6	31.5	27.4	24.7	21.9	21.9
7.5°	65.8	64.4	64.4	63.0	61.7	56.2	31.5	26.0	20.6	21.9	11.0
10°	82.2	80.8	78.1	76.7	75.4	71.2	38.4	27.4	24.7	9.6	8.2
12.5°	100.0	95.9	93.2	90.4	84.9	72.6	38.4	28.8	15.1	12.3	13.7
15°	128.8	123.3	117.8	113.7	109.6	94.5	50.7	35.6	16.4	15.1	15.1
17.5°	146.6	139.7	134.3	132.9	130.2	94.5	49.3	24.7	19.2	19.2	15.1
20°	224.7	223.3	211.0	195.9	182.2	139.7	67.1	31.5	26.0	19.2	19.2
22.5°	294.6	258.9	241.1	219.2	206.9	167.1	68.5	34.3	30.1	23.3	17.8
25°	402.8	364.4	343.9	313.7	302.8	209.6	75.4	43.8	34.3	24.7	20.6
27.5°	490.5	463.1	450.7	435.7	398.7	260.3	87.7	46.6	34.3	27.4	20.6
30°	571.3	572.7	535.7	489.1	452.1	311.0	93.2	50.7	35.6	26.0	20.6
32.5°	750.8	706.9	643.9	602.8	564.5	357.6	101.4	54.8	34.3	26.0	20.6
35°	854.9	787.8	752.1	715.2	665.8	426.1	111.0	53.4	34.3	24.7	19.2
37.5°	939.8	889.1	853.5	800.1	748.0	478.1	116.5	49.3	32.9	23.3	16.4
40°	1046.7	1011.1	946.7	900.1	846.7	500.1	120.6	45.2	30.1	20.6	13.7
42.5°	1171.4	1119.3	1059.0	1015.2	924.8	568.6	132.9	42.5	27.4	17.8	12.3
45°	1301.5	1234.4	1196.0	1104.2	998.7	617.9	142.5	41.1	24.7	15.1	9.6
47.5°	1423.5	1382.4	1298.8	1182.3	1134.4	694.6	139.7	38.4	21.9	12.3	6.9
50°	1592.0	1535.8	1422.1	1356.3	1278.2	756.3	135.6	37.0	19.2	11.0	5.5
52.5°	1827.6	1708.4	1619.4	1544.0	1412.5	842.6	132.9	34.3	16.4	8.2	2.7
55°	2208.5	2022.2	1912.6	1771.4	1627.6	943.9	126.0	30.1	15.1	6.9	2.7
57.5°	3131.9	2930.5	2694.8	2426.3	2170.1	1181.0	123.3	27.4	12.3	4.1	1.4
60°	4769.1	4637.5	4290.9	3856.6	3493.6	1661.8	132.9	23.3	9.6	2.7	1.4
62.5°	5724.0	5603.4	5356.8	5043.1	4555.3	2166.0	149.3	19.2	6.9	2.7	1.4
63°	5785.6	5688.3	5445.9	5137.6	4697.8	2235.9	157.6	19.2	6.9	2.7	1.4
65°	5670.5	5585.6	5450.0	5210.2	4923.9	2438.6	182.2	17.8	5.5	2.7	1.4
67.5°	5092.4	5002.0	4908.8	4808.8	4604.7	2504.4	200.0	16.4	4.1	2.7	1.4
70°	4211.5	4129.3	4027.9	3984.0	3873.1	2341.4	209.6	15.1	4.1	2.7	1.4
72.5°	3074.3	2979.8	2897.6	2778.4	2672.9	1771.4	154.8	15.1	2.7	2.7	1.4
75°	1561.8	1463.2	1272.8	1183.7	1091.9	742.6	63.0	12.3	2.7	2.7	1.4
77.5°	456.2	409.6	331.5	268.5	204.1	132.9	23.3	8.2	2.7	2.7	1.4
80°	269.9	228.8	189.1	149.3	120.6	64.4	13.7	5.5	2.7	4.1	1.4
82.5°	220.6	197.3	163.0	134.3	105.5	48.0	9.6	5.5	4.1	4.1	1.4
85°	127.4	115.1	97.3	78.1	65.8	34.3	6.9	5.5	4.1	5.5	1.4
87.5°	46.6	42.5	39.7	38.4	35.6	24.7	6.9	6.9	5.5	6.9	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):**

	145°	155°	165°	175°	180°
0°	38.4	38.4	38.4	38.4	38.4
2.5°	24.7	26.0	26.0	26.0	26.0
5°	23.3	23.3	20.6	16.4	16.4
7.5°	9.6	11.0	11.0	11.0	11.0
10°	8.2	13.7	15.1	15.1	15.1
12.5°	12.3	12.3	13.7	13.7	15.1
15°	12.3	15.1	16.4	16.4	16.4
17.5°	16.4	13.7	15.1	15.1	16.4
20°	15.1	16.4	16.4	16.4	16.4
22.5°	17.8	16.4	15.1	16.4	16.4
25°	16.4	16.4	15.1	15.1	15.1
27.5°	16.4	15.1	15.1	15.1	15.1
30°	16.4	15.1	13.7	13.7	13.7
32.5°	15.1	13.7	13.7	12.3	12.3
35°	13.7	11.0	12.3	12.3	12.3
37.5°	12.3	9.6	9.6	11.0	9.6
40°	9.6	8.2	6.9	8.2	8.2
42.5°	6.9	5.5	5.5	5.5	5.5
45°	5.5	2.7	2.7	2.7	2.7
47.5°	2.7	1.4	1.4	1.4	1.4
50°	1.4	0.0	0.0	0.0	0.0
52.5°	1.4	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°	1.4	1.4	1.4	0.0	0.0
75°	1.4	1.4	1.4	1.4	1.4
77.5°	2.7	2.7	2.7	1.4	1.4
80°	4.1	2.7	2.7	1.4	1.4
82.5°	4.1	4.1	4.1	2.7	1.4
85°	5.5	4.1	4.1	4.1	1.4
87.5°	6.9	5.5	5.5	4.1	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)