

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: P179343

Luminaire Tested: **UTLD-F03-LED-E-U-T2-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179343
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-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3009.4 lumens
Efficiency: N/A
Efficacy: 38.4 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

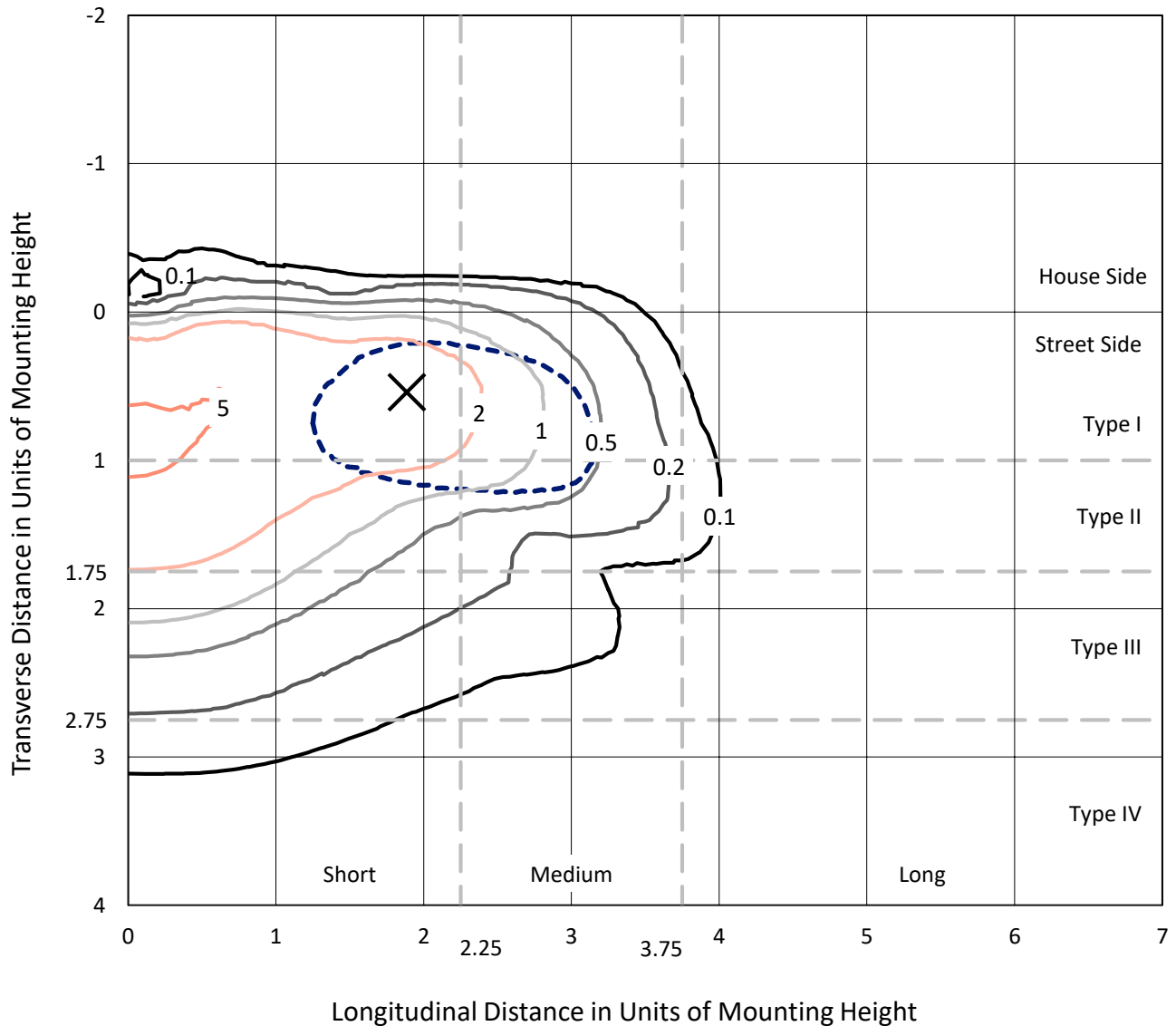
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

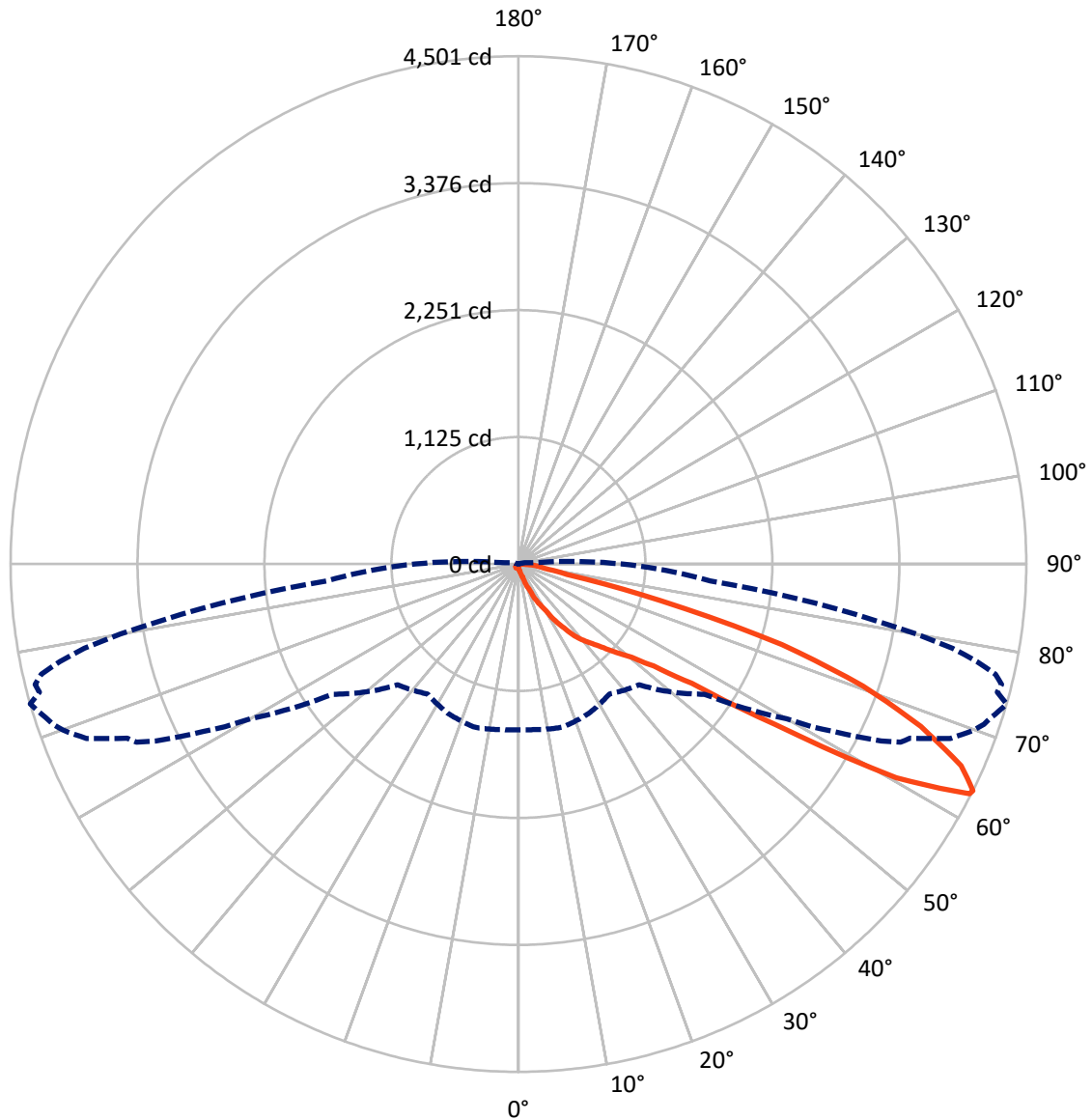
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.8 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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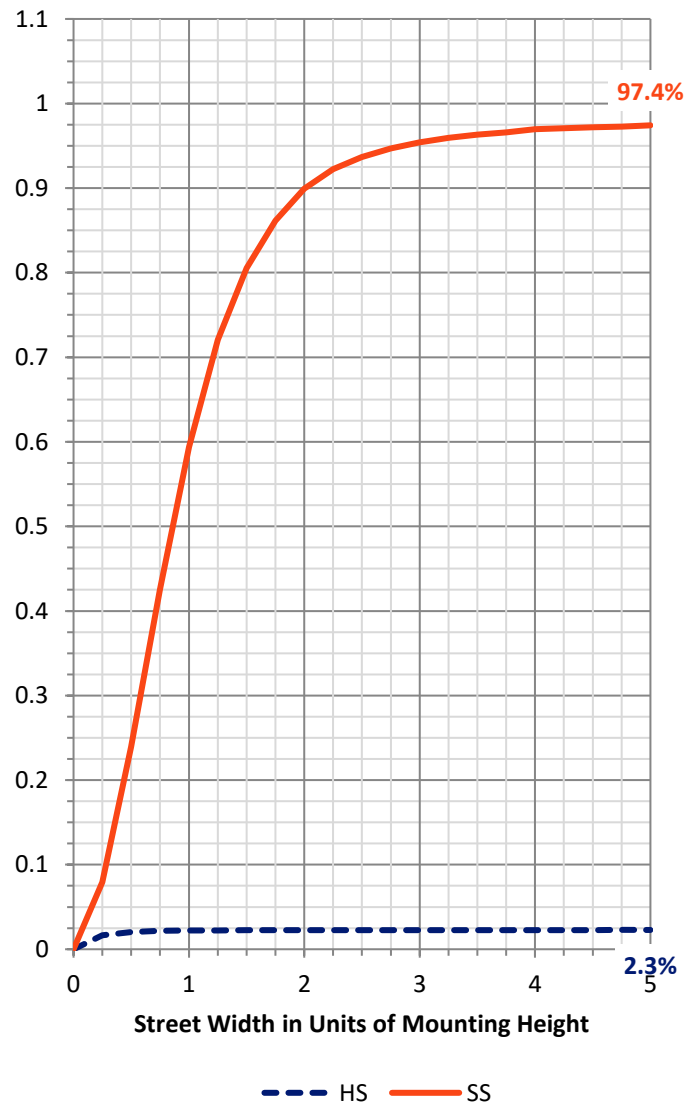
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	69.8	0.0	69.8
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	2939.6	0.0	2939.6
	% Fixture	97.7	0.0	97.7
Total	Lumens	3009.4	0.0	3009.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	0.2
10°-20°	34.6	1.2
20°-30°	112.3	3.7
30°-40°	268.4	8.9
40°-50°	504.1	16.8
50°-60°	792.3	26.3
60°-70°	930.7	30.9
70°-80°	319.6	10.6
80°-90°	42.3	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°	3009.4	100.0
0°-180°	3009.4	100.0

Coefficient of Utilization



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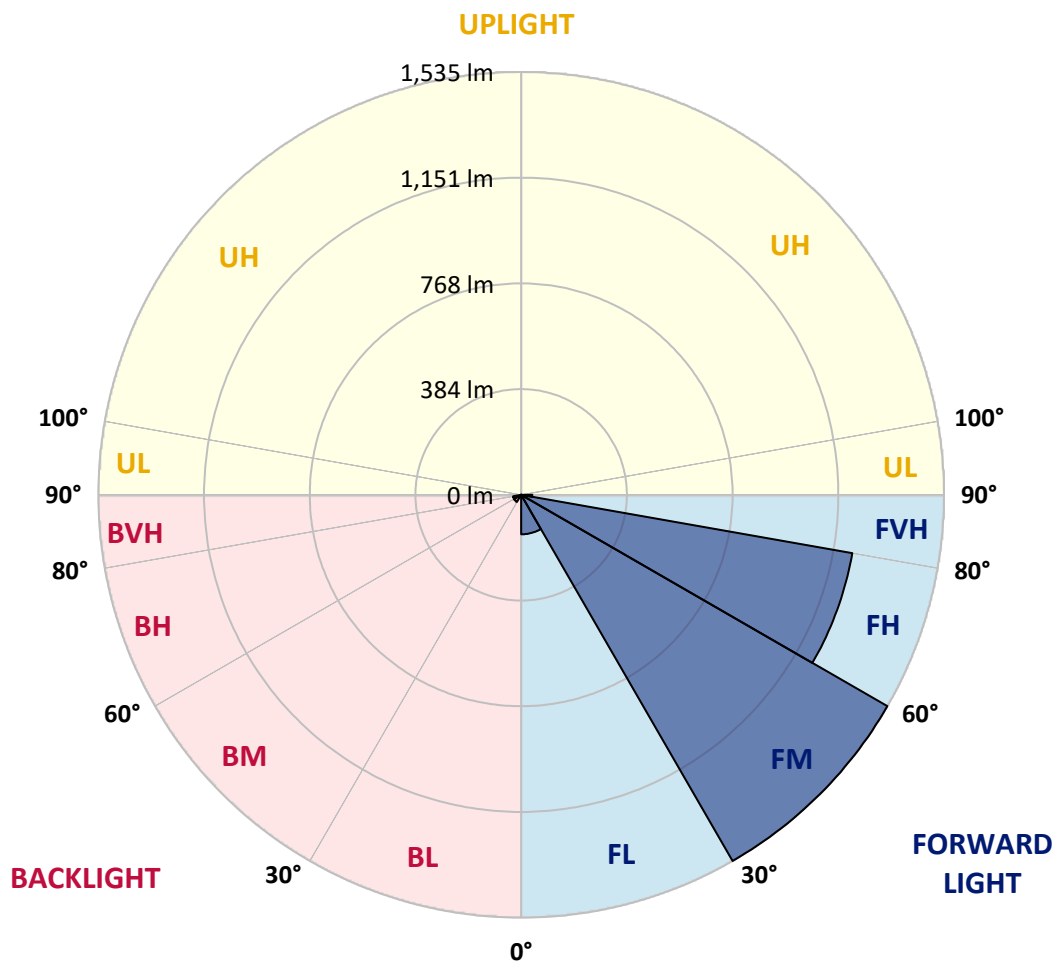
CATALOG NUMBER: UTLD-F03-LED-E-U-T2-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	143.4	4.8			
FM	(30°-60°)	1535.0	51.0			
FH	(60°-80°)	1220.7	40.6			G1/1800
FVH	(80°-90°)	40.5	1.3			G1/100
BL	(0°-30°)	8.5	0.3	B0/110		
BM	(30°-60°)	29.9	1.0	B0/220		
BH	(60°-80°)	29.6	1.0	B0/110		G0/110
BVH	(80°-90°)	1.9	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°	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
2.5°	57.5	56.4	54.3	52.3	51.2	49.1	48.1	46.0	46.0	44.9	46.0
5°	83.6	79.4	75.2	72.1	69.0	65.8	59.6	55.4	54.3	54.3	52.3
7.5°	157.8	151.5	147.4	141.1	129.6	98.2	73.2	67.9	66.9	65.8	63.8
10°	179.8	178.7	176.6	169.3	159.9	143.2	126.5	86.7	84.7	81.5	82.6
12.5°	258.1	255.0	257.1	243.5	223.7	182.9	166.2	148.4	144.2	141.1	129.6
15°	353.2	348.0	281.1	271.7	254.0	251.9	191.3	171.4	167.2	159.9	152.6
17.5°	374.1	377.3	372.1	350.1	311.4	279.0	272.8	217.4	211.1	208.0	199.6
20°	481.8	481.8	460.9	380.4	381.5	349.1	315.6	277.0	249.8	243.5	251.9
22.5°	497.5	499.6	493.3	499.6	409.7	412.8	416.0	393.0	383.6	372.1	357.4
25°	582.1	585.3	570.6	512.1	529.9	479.7	481.8	452.5	437.9	461.9	457.8
27.5°	661.6	663.6	580.0	579.0	560.2	577.9	603.0	576.9	569.6	559.1	539.3
30°	696.0	700.2	674.1	699.2	666.8	629.2	661.6	699.2	691.9	674.1	679.3
32.5°	845.5	847.6	832.9	752.5	750.4	751.4	799.5	773.4	764.0	743.1	746.2
35°	1029.4	1028.4	913.4	894.6	842.4	874.8	876.8	901.9	869.5	892.5	870.6
37.5°	1176.8	1170.5	1095.3	1075.4	1006.4	978.2	998.1	980.3	958.4	977.2	969.9
40°	1306.4	1312.6	1278.2	1198.7	1159.0	1117.2	1112.0	1062.9	1083.8	1068.1	1066.0
42.5°	1408.8	1419.3	1398.3	1322.1	1266.7	1259.3	1237.4	1176.8	1210.2	1181.0	1185.1
45°	1535.3	1532.1	1493.5	1414.0	1376.4	1385.8	1399.4	1352.4	1354.5	1344.0	1320.0
47.5°	1655.4	1654.4	1630.4	1518.5	1471.5	1495.5	1573.9	1563.5	1524.8	1540.5	1485.1
50°	1757.9	1758.9	1730.7	1606.3	1546.8	1603.2	1755.8	1768.3	1749.5	1754.7	1689.9
52.5°	1793.4	1795.5	1782.9	1656.5	1594.8	1680.5	1903.1	1967.9	1986.7	1992.0	1920.9
55°	1757.9	1765.2	1762.0	1652.3	1593.8	1715.0	2031.7	2163.4	2212.5	2239.7	2196.8
57.5°	1691.0	1697.2	1709.8	1640.8	1583.3	1726.5	2145.6	2430.9	2518.7	2575.1	2589.8
60°	1612.6	1619.9	1657.5	1628.3	1567.7	1706.7	2206.2	2672.3	2829.1	2953.5	3149.9
62.5°	1506.0	1513.3	1544.7	1515.4	1450.6	1567.7	2070.3	2739.2	2957.6	3135.3	3501.1
63°	1469.4	1473.6	1497.6	1464.2	1405.7	1513.3	2011.8	2743.4	2975.4	3161.4	3575.3
65°	1155.9	1164.2	1191.4	1155.9	1143.3	1251.0	1678.4	2608.6	2928.4	3130.1	3639.0
67.5°	631.2	641.7	682.5	666.8	738.9	860.1	1113.0	1904.2	2342.1	2628.4	3208.5
70°	458.8	458.8	493.3	503.7	539.3	633.3	734.7	967.8	1222.8	1556.2	2297.1
72.5°	333.4	340.7	370.0	399.2	450.4	564.4	724.3	562.3	579.0	682.5	1209.2
75°	166.2	180.8	213.2	247.7	301.0	429.5	767.1	583.2	529.9	516.3	617.7
77.5°	38.7	39.7	64.8	127.5	153.6	246.6	607.2	712.8	641.7	607.2	543.5
80°	19.9	20.9	26.1	63.8	70.0	88.8	318.8	752.5	760.8	739.9	610.3
82.5°	10.5	10.5	15.7	27.2	27.2	31.4	90.9	457.8	634.4	720.1	704.4
85°	4.2	4.2	9.4	13.6	14.6	13.6	25.1	179.8	317.7	412.8	552.9
87.5°	1.0	1.0	3.1	5.2	6.3	7.3	11.5	33.4	55.4	76.3	127.5
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
2.5°	44.9	44.9	44.9	43.9	43.9	43.9	43.9	42.8	42.8	42.8	39.7
5°	51.2	51.2	50.2	49.1	49.1	48.1	48.1	48.1	47.0	47.0	46.0
7.5°	62.7	61.7	60.6	58.5	57.5	56.4	56.4	54.3	53.3	52.3	51.2
10°	82.6	81.5	78.4	76.3	74.2	72.1	70.0	69.0	66.9	65.8	63.8
12.5°	112.9	98.2	95.1	92.0	87.8	84.7	82.6	80.5	79.4	76.3	77.3
15°	163.0	159.9	156.8	154.7	149.4	126.5	117.1	115.0	110.8	107.6	103.5
17.5°	197.5	194.4	187.1	175.6	173.5	169.3	164.1	158.9	133.8	121.2	117.1
20°	256.1	250.8	258.1	256.1	247.7	239.3	229.9	224.7	218.4	206.9	188.1
22.5°	320.8	320.8	311.4	305.2	294.7	281.1	280.1	268.6	246.6	238.3	235.1
25°	457.8	464.0	445.2	421.2	419.1	406.5	376.2	360.6	350.1	338.6	333.4
27.5°	543.5	523.6	505.8	504.8	492.2	453.6	436.9	428.5	433.7	406.5	389.8
30°	657.4	642.7	638.6	619.7	596.8	568.5	563.3	551.8	522.6	483.9	461.9
32.5°	735.8	743.1	756.7	735.8	708.6	701.3	698.1	666.8	627.1	600.9	575.9
35°	883.1	872.7	852.8	820.4	812.0	812.0	789.1	742.0	713.8	697.1	690.8
37.5°	967.8	952.1	922.8	907.1	911.3	904.0	850.7	824.6	812.0	807.9	767.1
40°	1058.7	1028.4	1002.3	1006.4	1015.8	963.6	934.3	919.7	923.9	890.4	839.2
42.5°	1161.1	1121.4	1107.8	1131.8	1082.7	1044.1	1021.1	1029.4	1011.7	963.6	930.1
45°	1279.2	1239.5	1247.9	1240.5	1179.9	1144.4	1147.5	1129.8	1096.3	1059.7	1027.3
47.5°	1420.3	1400.4	1425.5	1352.4	1300.1	1288.6	1281.3	1245.8	1201.9	1172.6	1142.3
50°	1629.3	1639.8	1616.8	1530.0	1482.0	1478.8	1437.0	1384.8	1349.2	1300.1	1253.1
52.5°	1907.3	1937.6	1868.6	1799.7	1770.4	1748.5	1679.5	1619.9	1560.3	1500.8	1430.7
55°	2207.3	2266.8	2189.5	2158.1	2148.7	2162.3	2080.8	2020.2	1947.0	1864.5	1778.8
57.5°	2708.9	2724.6	2673.4	2717.3	2751.8	2757.0	2777.9	2732.9	2704.7	2680.7	2597.1
60°	3352.7	3379.9	3427.9	3582.6	3645.3	3734.2	3756.1	3814.6	3827.2	3848.1	3780.1
62.5°	3695.5	3755.1	3908.7	4090.5	4170.0	4254.6	4322.5	4375.8	4417.7	4485.6	4367.5
63°	3736.2	3796.9	3958.9	4129.2	4212.8	4299.6	4363.3	4405.1	4453.2	4501.3	4393.6
65°	3730.0	3796.9	4002.7	4093.7	4183.5	4231.6	4289.1	4292.2	4381.1	4313.1	4301.6
67.5°	3307.8	3484.4	3628.6	3726.8	3803.1	3840.8	3864.8	3894.1	3953.6	3847.0	3906.6
70°	2595.0	2820.7	2949.3	3070.5	3168.8	3197.0	3217.9	3309.8	3228.3	3237.7	3221.0
72.5°	1476.7	1826.8	2045.3	2175.9	2337.9	2367.2	2416.3	2493.6	2389.1	2442.4	2395.4
75°	792.2	929.1	1119.3	1253.1	1317.9	1380.6	1441.2	1395.2	1366.0	1302.2	1289.7
77.5°	570.6	585.3	600.9	589.4	572.7	568.5	542.4	492.2	478.7	438.9	419.1
80°	571.7	517.3	454.6	375.2	291.6	254.0	238.3	233.1	233.1	233.1	219.5
82.5°	646.9	579.0	498.5	399.2	309.4	243.5	201.7	195.4	191.3	191.3	178.7
85°	525.7	518.4	459.8	367.9	288.4	218.4	169.3	138.0	126.5	112.9	107.6
87.5°	127.5	132.7	116.0	101.4	84.7	66.9	58.5	47.0	39.7	36.6	34.5
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):

	76°	77°	78°	79°	80°	85°	95°	105°	115°	125°	135°
0°	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
2.5°	39.7	38.7	37.6	37.6	36.6	31.4	27.2	24.0	21.9	20.9	19.9
5°	46.0	44.9	44.9	43.9	43.9	35.5	24.0	20.9	18.8	16.7	16.7
7.5°	50.2	49.1	49.1	48.1	47.0	42.8	24.0	19.9	15.7	16.7	8.4
10°	62.7	61.7	59.6	58.5	57.5	54.3	29.3	20.9	18.8	7.3	6.3
12.5°	76.3	73.2	71.1	69.0	64.8	55.4	29.3	21.9	11.5	9.4	10.5
15°	98.2	94.1	89.9	86.7	83.6	72.1	38.7	27.2	12.5	11.5	11.5
17.5°	111.8	106.6	102.4	101.4	99.3	72.1	37.6	18.8	14.6	14.6	11.5
20°	171.4	170.4	160.9	149.4	139.0	106.6	51.2	24.0	19.9	14.6	14.6
22.5°	224.7	197.5	183.9	167.2	157.8	127.5	52.3	26.1	23.0	17.8	13.6
25°	307.3	278.0	262.3	239.3	231.0	159.9	57.5	33.4	26.1	18.8	15.7
27.5°	374.1	353.2	343.8	332.3	304.1	198.6	66.9	35.5	26.1	20.9	15.7
30°	435.8	436.9	408.6	373.1	344.9	237.2	71.1	38.7	27.2	19.9	15.7
32.5°	572.7	539.3	491.2	459.8	430.6	272.8	77.3	41.8	26.1	19.9	15.7
35°	652.1	600.9	573.8	545.5	507.9	325.0	84.7	40.8	26.1	18.8	14.6
37.5°	716.9	678.3	651.1	610.3	570.6	364.7	88.8	37.6	25.1	17.8	12.5
40°	798.5	771.3	722.2	686.6	645.9	381.5	92.0	34.5	23.0	15.7	10.5
42.5°	893.6	853.8	807.9	774.4	705.4	433.7	101.4	32.4	20.9	13.6	9.4
45°	992.8	941.6	912.4	842.4	761.9	471.3	108.7	31.4	18.8	11.5	7.3
47.5°	1085.9	1054.5	990.8	901.9	865.3	529.9	106.6	29.3	16.7	9.4	5.2
50°	1214.4	1171.6	1084.8	1034.7	975.1	576.9	103.5	28.2	14.6	8.4	4.2
52.5°	1394.2	1303.2	1235.3	1177.8	1077.5	642.7	101.4	26.1	12.5	6.3	2.1
55°	1684.7	1542.6	1459.0	1351.3	1241.6	720.1	96.1	23.0	11.5	5.2	2.1
57.5°	2389.1	2235.5	2055.7	1850.9	1655.4	900.9	94.1	20.9	9.4	3.1	1.0
60°	3638.0	3537.7	3273.3	2942.0	2665.0	1267.7	101.4	17.8	7.3	2.1	1.0
62.5°	4366.4	4274.5	4086.4	3847.0	3475.0	1652.3	113.9	14.6	5.2	2.1	1.0
63°	4413.5	4339.3	4154.3	3919.1	3583.7	1705.6	120.2	14.6	5.2	2.1	1.0
65°	4325.7	4260.9	4157.4	3974.5	3756.1	1860.3	139.0	13.6	4.2	2.1	1.0
67.5°	3884.6	3815.7	3744.6	3668.3	3512.6	1910.4	152.6	12.5	3.1	2.1	1.0
70°	3212.6	3149.9	3072.6	3039.2	2954.5	1786.1	159.9	11.5	3.1	2.1	1.0
72.5°	2345.2	2273.1	2210.4	2119.5	2039.0	1351.3	118.1	11.5	2.1	2.1	1.0
75°	1191.4	1116.2	970.9	903.0	832.9	566.4	48.1	9.4	2.1	2.1	1.0
77.5°	348.0	312.5	252.9	204.8	155.7	101.4	17.8	6.3	2.1	2.1	1.0
80°	205.9	174.5	144.2	113.9	92.0	49.1	10.5	4.2	2.1	3.1	1.0
82.5°	168.3	150.5	124.4	102.4	80.5	36.6	7.3	4.2	3.1	3.1	1.0
85°	97.2	87.8	74.2	59.6	50.2	26.1	5.2	4.2	3.1	4.2	1.0
87.5°	35.5	32.4	30.3	29.3	27.2	18.8	5.2	5.2	4.2	5.2	1.0
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):

	145°	155°	165°	175°	180°
0°	29.3	29.3	29.3	29.3	29.3
2.5°	18.8	19.9	19.9	19.9	19.9
5°	17.8	17.8	15.7	12.5	12.5
7.5°	7.3	8.4	8.4	8.4	8.4
10°	6.3	10.5	11.5	11.5	11.5
12.5°	9.4	9.4	10.5	10.5	11.5
15°	9.4	11.5	12.5	12.5	12.5
17.5°	12.5	10.5	11.5	11.5	12.5
20°	11.5	12.5	12.5	12.5	12.5
22.5°	13.6	12.5	11.5	12.5	12.5
25°	12.5	12.5	11.5	11.5	11.5
27.5°	12.5	11.5	11.5	11.5	11.5
30°	12.5	11.5	10.5	10.5	10.5
32.5°	11.5	10.5	10.5	9.4	9.4
35°	10.5	8.4	9.4	9.4	9.4
37.5°	9.4	7.3	7.3	8.4	7.3
40°	7.3	6.3	5.2	6.3	6.3
42.5°	5.2	4.2	4.2	4.2	4.2
45°	4.2	2.1	2.1	2.1	2.1
47.5°	2.1	1.0	1.0	1.0	1.0
50°	1.0	0.0	0.0	0.0	0.0
52.5°	1.0	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
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°	1.0	1.0	1.0	0.0	0.0
75°	1.0	1.0	1.0	1.0	1.0
77.5°	2.1	2.1	2.1	1.0	1.0
80°	3.1	2.1	2.1	1.0	1.0
82.5°	3.1	3.1	3.1	2.1	1.0
85°	4.2	3.1	3.1	3.1	1.0
87.5°	5.2	4.2	4.2	3.1	1.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)