

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: P179313

Luminaire Tested: **UTLD-F03-LED-E-U-SL4-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179313
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34323)
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-SL4-HSS-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3736.3 lumens
Efficiency: N/A
Efficacy: 47.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-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

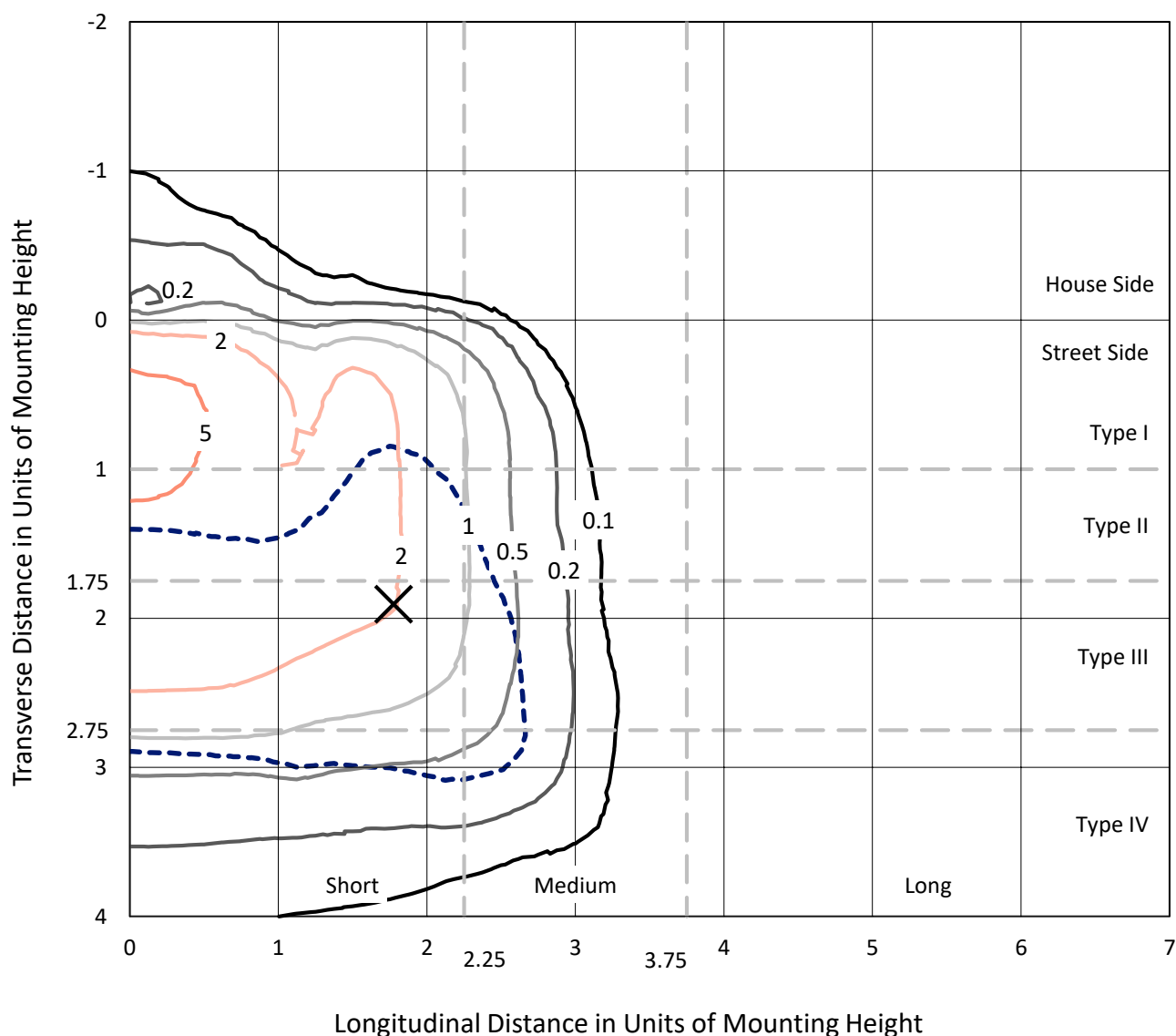


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

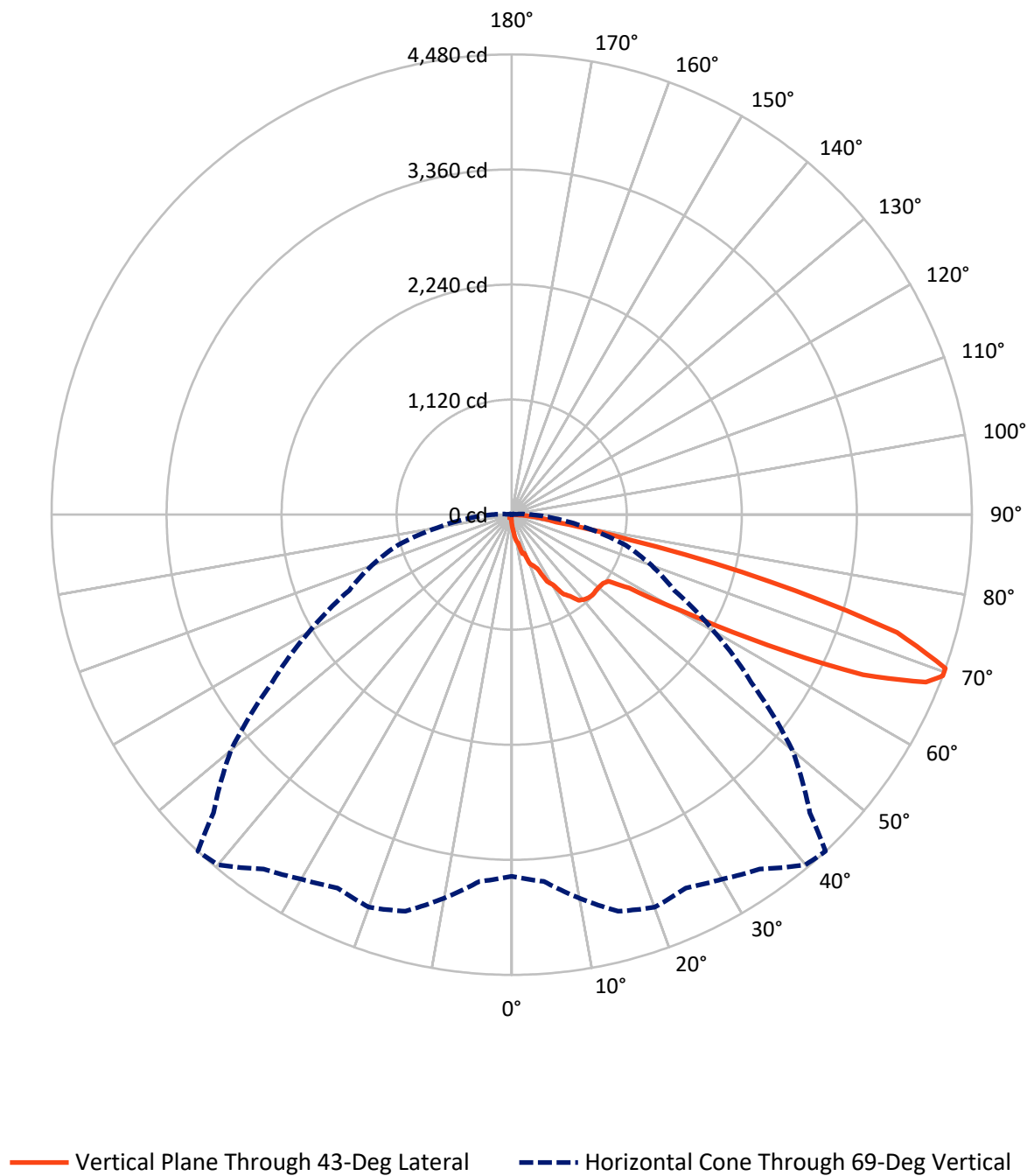


Based on 10 foot mounting height. Maximum calculated value = 8.7 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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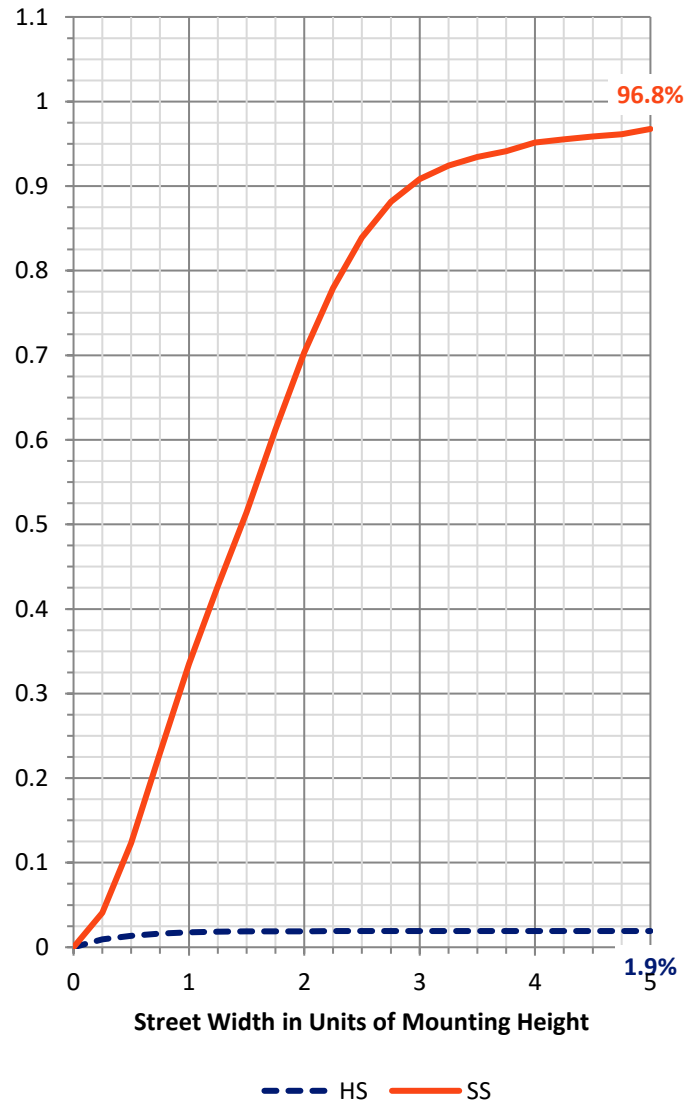
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	72.4	0.0	72.4
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	3663.8	0.0	3663.8
	% Fixture	98.1	0.0	98.1
Total	Lumens	3736.3	0.0	3736.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.4	0.3
10°-20°	51.8	1.4
20°-30°	143.2	3.8
30°-40°	300.0	8.0
40°-50°	433.3	11.6
50°-60°	672.2	18.0
60°-70°	1419.2	38.0
70°-80°	631.2	16.9
80°-90°	74.9	2.0
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°	3736.3	100.0
0°-180°	3736.3	100.0

Coefficient of Utilization



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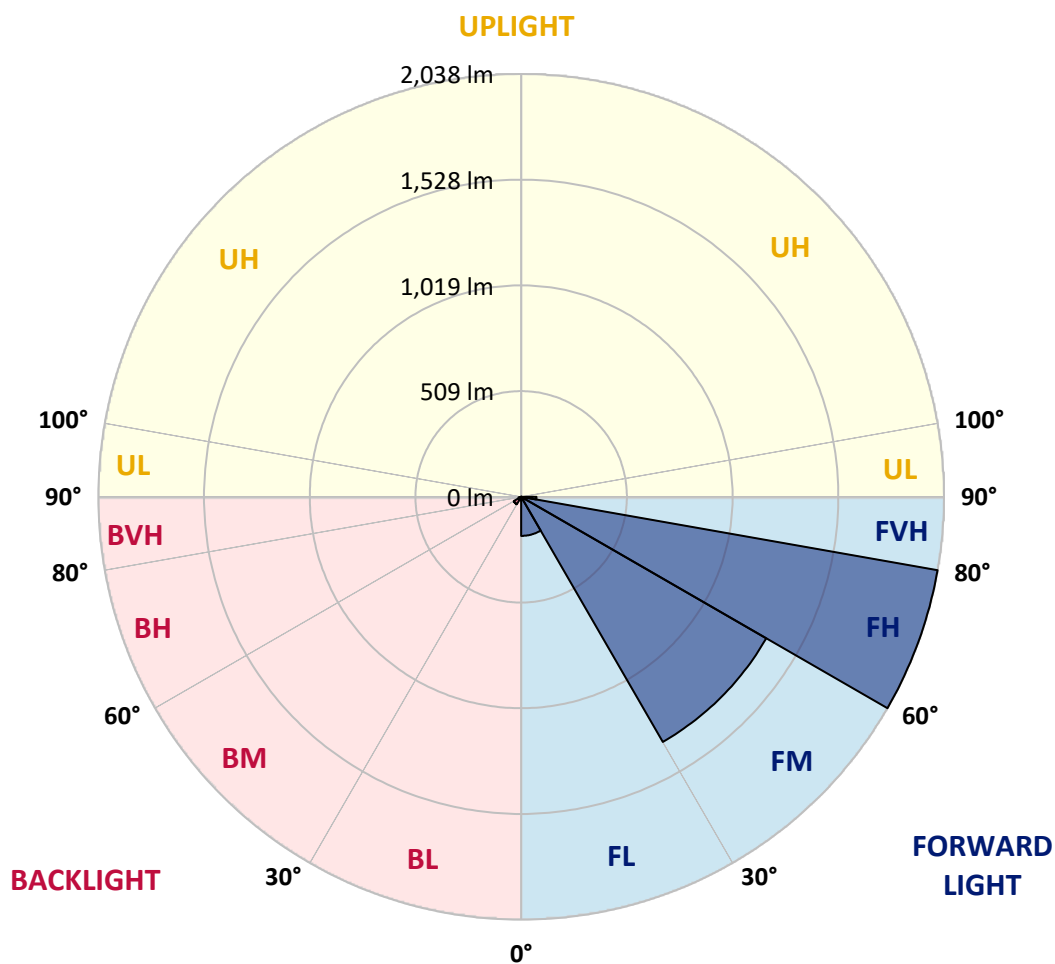
CATALOG NUMBER: UTLD-F03-LED-E-U-SL4-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	188.3	5.0			
FM	(30°-60°)	1364.1	36.5			
FH	(60°-80°)	2037.7	54.5			G2/5000
FVH	(80°-90°)	73.7	2.0			G1/100
BL	(0°-30°)	17.2	0.5	B0/110		
BM	(30°-60°)	41.3	1.1	B0/220		
BH	(60°-80°)	12.7	0.3	B0/110		G0/110
BVH	(80°-90°)	1.2	0.0			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	43°	45°
0°	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
2.5°	138.0	138.0	136.9	135.9	132.7	131.7	128.5	126.5	127.5	126.5	125.4
5°	176.6	173.5	169.3	163.0	160.9	157.8	155.7	150.5	148.4	147.4	145.3
7.5°	292.6	285.3	281.1	280.1	277.0	273.8	265.5	258.1	250.8	223.7	185.0
10°	314.6	315.6	316.7	310.4	312.5	302.0	291.6	285.3	281.1	265.5	256.1
12.5°	413.9	407.6	406.5	410.7	401.3	396.1	384.6	365.8	303.1	282.2	289.5
15°	479.7	488.1	457.8	421.2	412.8	404.5	380.4	384.6	412.8	394.0	373.1
17.5°	516.3	518.4	513.1	509.0	494.3	484.9	501.6	425.4	417.0	395.0	380.4
20°	646.9	649.0	639.6	595.7	541.4	514.2	529.9	500.6	490.2	512.1	435.8
22.5°	707.5	709.6	701.3	688.7	664.7	669.9	633.3	538.2	545.5	541.4	489.1
25°	868.5	873.7	864.3	843.4	823.5	729.5	689.8	689.8	629.2	581.1	552.9
27.5°	1037.8	1017.9	955.2	928.1	913.4	865.3	862.2	754.6	721.1	736.8	641.7
30°	1152.7	1155.9	1145.4	1100.5	1072.3	1059.7	942.7	884.2	805.8	792.2	699.2
32.5°	1378.5	1379.5	1357.6	1336.7	1206.0	1150.7	1070.2	994.9	878.9	918.6	799.5
35°	1594.8	1600.1	1541.5	1424.5	1385.8	1281.3	1181.0	1053.5	976.1	974.0	849.7
37.5°	1722.3	1722.3	1678.4	1593.8	1553.0	1408.8	1247.9	1152.7	1013.8	1057.6	917.6
40°	1884.3	1880.1	1842.5	1743.2	1625.1	1456.9	1328.3	1197.7	1079.6	1085.9	962.5
42.5°	1949.1	1943.9	1917.8	1817.4	1659.6	1516.4	1348.2	1210.2	1095.3	1103.6	983.4
45°	1981.5	1976.3	1948.1	1838.3	1673.2	1523.8	1341.9	1202.9	1098.4	1108.9	994.9
47.5°	1974.2	1966.9	1943.9	1851.9	1714.0	1518.5	1301.2	1187.2	1093.2	1103.6	999.1
50°	1934.5	1932.4	1911.5	1828.9	1709.8	1497.6	1278.2	1171.6	1092.1	1104.7	1007.5
52.5°	1911.5	1913.6	1893.7	1836.2	1686.8	1490.3	1290.7	1176.8	1098.4	1113.0	1020.0
55°	2212.5	2173.8	2097.5	1977.3	1764.1	1553.0	1350.3	1214.4	1129.8	1144.4	1049.3
57.5°	3210.6	3175.0	3017.2	2725.6	2312.8	1895.8	1580.2	1388.9	1308.5	1348.2	1268.8
60°	3796.9	3756.1	3716.4	3584.7	3239.8	2867.8	2301.3	1989.9	1840.4	1903.1	1824.8
62.5°	4040.4	4037.2	4018.4	3994.4	3755.1	3584.7	3162.5	2861.5	2748.6	2794.6	2628.4
65°	4193.0	4212.8	4217.0	4229.5	4073.8	3944.2	3697.6	3620.2	3769.7	3759.2	3448.8
67.5°	4085.3	4096.8	4165.8	4273.4	4196.1	4075.9	4041.4	4105.2	4297.5	4351.8	3967.2
69°	3521.0	3583.7	3790.6	3996.5	4067.5	4010.1	4096.8	4211.8	4449.0	4480.4	4106.2
70°	2807.1	2920.0	3152.0	3582.6	3753.0	3760.3	4013.2	4194.0	4461.5	4479.3	4114.6
72.5°	1261.4	1282.3	1409.8	1638.7	2288.8	2510.3	3130.1	3693.4	3967.2	3925.4	3574.3
75°	851.8	861.2	853.8	864.3	988.7	1189.3	1517.5	2350.4	2679.6	2593.9	2266.8
77.5°	705.4	704.4	690.8	681.4	685.6	714.9	712.8	815.2	1129.8	1161.1	1020.0
80°	632.3	626.0	614.5	595.7	575.9	547.6	518.4	461.9	423.3	437.9	386.7
82.5°	342.8	331.3	357.4	382.5	440.0	464.0	426.4	356.4	319.8	299.9	267.5
85°	80.5	77.3	90.9	126.5	216.3	220.5	214.2	176.6	153.6	143.2	129.6
87.5°	20.9	20.9	21.9	21.9	106.6	122.3	99.3	44.9	34.5	30.3	26.1
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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
2.5°	123.3	122.3	120.2	120.2	118.1	112.9	98.2	84.7	76.3	73.2	70.0
5°	140.0	135.9	130.6	125.4	120.2	117.1	115.0	93.0	72.1	66.9	61.7
7.5°	159.9	150.5	142.1	133.8	126.5	115.0	108.7	103.5	70.0	61.7	56.4
10°	241.4	231.0	162.0	160.9	143.2	130.6	125.4	120.2	83.6	71.1	61.7
12.5°	287.4	272.8	245.6	201.7	149.4	141.1	123.3	110.8	79.4	62.7	57.5
15°	305.2	287.4	259.2	246.6	192.3	167.2	141.1	127.5	87.8	75.2	61.7
17.5°	377.3	367.9	292.6	265.5	231.0	166.2	145.3	112.9	87.8	66.9	58.5
20°	408.6	384.6	330.3	314.6	280.1	227.8	173.5	149.4	107.6	87.8	66.9
22.5°	458.8	452.5	416.0	332.3	293.7	247.7	179.8	156.8	117.1	84.7	63.8
25°	549.7	482.8	434.8	422.2	364.7	304.1	227.8	172.4	126.5	88.8	70.0
27.5°	594.7	559.1	504.8	456.7	375.2	314.6	255.0	188.1	135.9	96.1	72.1
30°	718.0	596.8	556.0	506.9	419.1	333.4	259.2	196.5	134.8	94.1	73.2
32.5°	767.1	685.6	612.4	533.0	471.3	374.1	287.4	199.6	140.0	97.2	80.5
35°	835.0	733.7	679.3	600.9	507.9	406.5	294.7	205.9	132.7	94.1	79.4
37.5°	892.5	783.8	695.0	622.9	522.6	416.0	304.1	212.2	136.9	92.0	76.3
40°	922.8	807.9	706.5	638.6	521.5	421.2	321.9	204.8	132.7	89.9	71.1
42.5°	947.9	834.0	725.3	655.3	542.4	444.2	327.1	215.3	131.7	89.9	65.8
45°	964.6	858.0	767.1	675.1	569.6	469.3	334.4	217.4	133.8	89.9	61.7
47.5°	974.0	887.3	808.9	704.4	617.7	518.4	377.3	237.2	136.9	86.7	57.5
50°	986.6	918.6	843.4	742.0	668.9	546.6	409.7	247.7	141.1	81.5	54.3
52.5°	996.0	935.4	866.4	789.1	742.0	634.4	490.2	296.8	152.6	78.4	51.2
55°	1040.9	1009.6	1005.4	1027.3	1060.8	1039.9	842.4	510.0	235.1	92.0	58.5
57.5°	1338.8	1395.2	1497.6	1585.4	1560.3	1510.2	1211.3	705.4	318.8	100.3	67.9
60°	1949.1	2005.6	2046.3	2004.5	1864.5	1744.3	1366.0	799.5	355.3	83.6	53.3
62.5°	2608.6	2505.1	2379.7	2191.6	2033.8	1803.8	1438.1	852.8	364.7	71.1	39.7
65°	3181.3	2855.2	2571.0	2233.4	2039.0	1795.5	1420.3	830.9	349.1	58.5	32.4
67.5°	3528.3	2972.3	2529.2	2068.3	1785.0	1503.9	1097.4	638.6	267.5	47.0	27.2
69°	3568.0	2849.0	2276.2	1746.4	1451.6	1147.5	734.7	422.2	187.1	39.7	24.0
70°	3494.8	2678.6	1989.9	1462.1	1158.0	851.8	535.1	310.4	134.8	35.5	23.0
72.5°	2822.8	1856.1	1141.3	719.0	507.9	353.2	216.3	126.5	57.5	26.1	19.9
75°	1547.8	797.4	451.5	298.9	232.0	177.7	122.3	67.9	33.4	21.9	16.7
77.5°	569.6	359.5	258.1	204.8	134.8	77.3	52.3	38.7	27.2	17.8	12.5
80°	341.7	249.8	181.8	97.2	64.8	49.1	37.6	30.3	21.9	13.6	8.4
82.5°	218.4	148.4	78.4	57.5	46.0	36.6	29.3	25.1	15.7	9.4	4.2
85°	100.3	59.6	47.0	40.8	35.5	32.4	30.3	25.1	12.5	5.2	3.1
87.5°	23.0	21.9	26.1	24.0	23.0	21.9	19.9	16.7	6.3	4.2	3.1
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°	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
2.5°	67.9	65.8	63.8	62.7	60.6	60.6	58.5	58.5	57.5	56.4	57.5
5°	57.5	55.4	53.3	51.2	49.1	47.0	48.1	49.1	49.1	50.2	43.9
7.5°	53.3	50.2	46.0	43.9	42.8	20.9	16.7	15.7	14.6	15.7	15.7
10°	54.3	49.1	46.0	18.8	13.6	13.6	13.6	13.6	14.6	17.8	21.9
12.5°	51.2	44.9	24.0	21.9	19.9	18.8	21.9	20.9	20.9	20.9	20.9
15°	57.5	32.4	25.1	21.9	24.0	26.1	26.1	25.1	20.9	20.9	25.1
17.5°	36.6	30.3	28.2	33.4	32.4	27.2	25.1	28.2	29.3	27.2	24.0
20°	48.1	42.8	38.7	33.4	31.4	31.4	34.5	29.3	27.2	28.2	29.3
22.5°	49.1	46.0	48.1	44.9	41.8	33.4	32.4	31.4	32.4	30.3	29.3
25°	61.7	62.7	56.4	46.0	43.9	40.8	37.6	31.4	32.4	29.3	31.4
27.5°	65.8	61.7	56.4	54.3	50.2	40.8	40.8	34.5	32.4	32.4	28.2
30°	69.0	62.7	58.5	53.3	48.1	44.9	39.7	35.5	32.4	31.4	30.3
32.5°	73.2	64.8	56.4	52.3	48.1	41.8	40.8	35.5	32.4	29.3	29.3
35°	67.9	60.6	55.4	51.2	43.9	39.7	37.6	34.5	30.3	29.3	27.2
37.5°	61.7	55.4	51.2	46.0	41.8	36.6	35.5	31.4	29.3	27.2	26.1
40°	56.4	50.2	46.0	41.8	37.6	33.4	31.4	28.2	25.1	24.0	24.0
42.5°	53.3	46.0	40.8	37.6	33.4	30.3	28.2	25.1	23.0	21.9	21.9
45°	49.1	41.8	36.6	32.4	29.3	27.2	25.1	21.9	19.9	19.9	19.9
47.5°	47.0	38.7	33.4	29.3	26.1	24.0	21.9	18.8	16.7	17.8	17.8
50°	43.9	35.5	29.3	27.2	24.0	21.9	19.9	16.7	15.7	15.7	15.7
52.5°	40.8	31.4	26.1	24.0	21.9	19.9	16.7	13.6	12.5	13.6	12.5
55°	40.8	28.2	23.0	20.9	18.8	16.7	13.6	11.5	10.5	9.4	8.4
57.5°	48.1	28.2	19.9	18.8	16.7	13.6	10.5	8.4	7.3	5.2	4.2
60°	41.8	28.2	17.8	16.7	14.6	11.5	8.4	6.3	4.2	3.1	2.1
62.5°	29.3	21.9	15.7	14.6	11.5	8.4	5.2	3.1	2.1	1.0	1.0
65°	25.1	17.8	14.6	12.5	9.4	6.3	3.1	2.1	1.0	1.0	1.0
67.5°	21.9	16.7	12.5	10.5	8.4	4.2	2.1	1.0	1.0	1.0	1.0
69°	19.9	15.7	12.5	9.4	7.3	3.1	2.1	1.0	1.0	1.0	1.0
70°	18.8	14.6	11.5	9.4	6.3	3.1	1.0	1.0	1.0	1.0	1.0
72.5°	15.7	11.5	9.4	8.4	5.2	2.1	1.0	1.0	1.0	1.0	1.0
75°	11.5	9.4	6.3	6.3	4.2	2.1	1.0	1.0	1.0	1.0	0.0
77.5°	8.4	6.3	4.2	4.2	3.1	2.1	1.0	1.0	1.0	1.0	0.0
80°	5.2	4.2	3.1	3.1	2.1	2.1	0.0	1.0	1.0	1.0	1.0
82.5°	3.1	3.1	3.1	2.1	2.1	2.1	1.0	2.1	1.0	1.0	1.0
85°	3.1	3.1	3.1	2.1	2.1	2.1	1.0	2.1	2.1	2.1	1.0
87.5°	3.1	3.1	3.1	3.1	3.1	3.1	1.0	3.1	3.1	2.1	2.1
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°	82.6	82.6	82.6	82.6	82.6
2.5°	57.5	57.5	58.5	59.6	59.6
5°	33.4	23.0	24.0	24.0	24.0
7.5°	15.7	15.7	16.7	16.7	16.7
10°	24.0	24.0	24.0	24.0	25.1
12.5°	21.9	23.0	23.0	23.0	24.0
15°	26.1	27.2	28.2	28.2	29.3
17.5°	24.0	24.0	26.1	26.1	26.1
20°	28.2	28.2	28.2	28.2	28.2
22.5°	25.1	26.1	29.3	30.3	31.4
25°	29.3	28.2	28.2	28.2	28.2
27.5°	29.3	29.3	30.3	30.3	30.3
30°	29.3	27.2	27.2	28.2	29.3
32.5°	29.3	29.3	28.2	28.2	28.2
35°	27.2	29.3	29.3	29.3	29.3
37.5°	26.1	26.1	29.3	30.3	30.3
40°	25.1	26.1	27.2	31.4	31.4
42.5°	24.0	26.1	28.2	30.3	30.3
45°	23.0	25.1	26.1	28.2	28.2
47.5°	20.9	23.0	24.0	25.1	25.1
50°	18.8	18.8	19.9	19.9	18.8
52.5°	13.6	13.6	12.5	12.5	12.5
55°	8.4	7.3	7.3	7.3	6.3
57.5°	4.2	4.2	3.1	3.1	3.1
60°	2.1	1.0	1.0	1.0	1.0
62.5°	1.0	1.0	0.0	0.0	0.0
65°	1.0	1.0	0.0	0.0	0.0
67.5°	1.0	0.0	0.0	0.0	0.0
69°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	1.0	0.0	0.0	0.0	0.0
85°	1.0	1.0	1.0	0.0	0.0
87.5°	2.1	1.0	1.0	1.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)