

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: P157179

Luminaire Tested: **UTLD-E01-LED-E-U-T4-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157179
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33663)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-E01-LED-E-U-T4-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2408.5 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 24.7
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

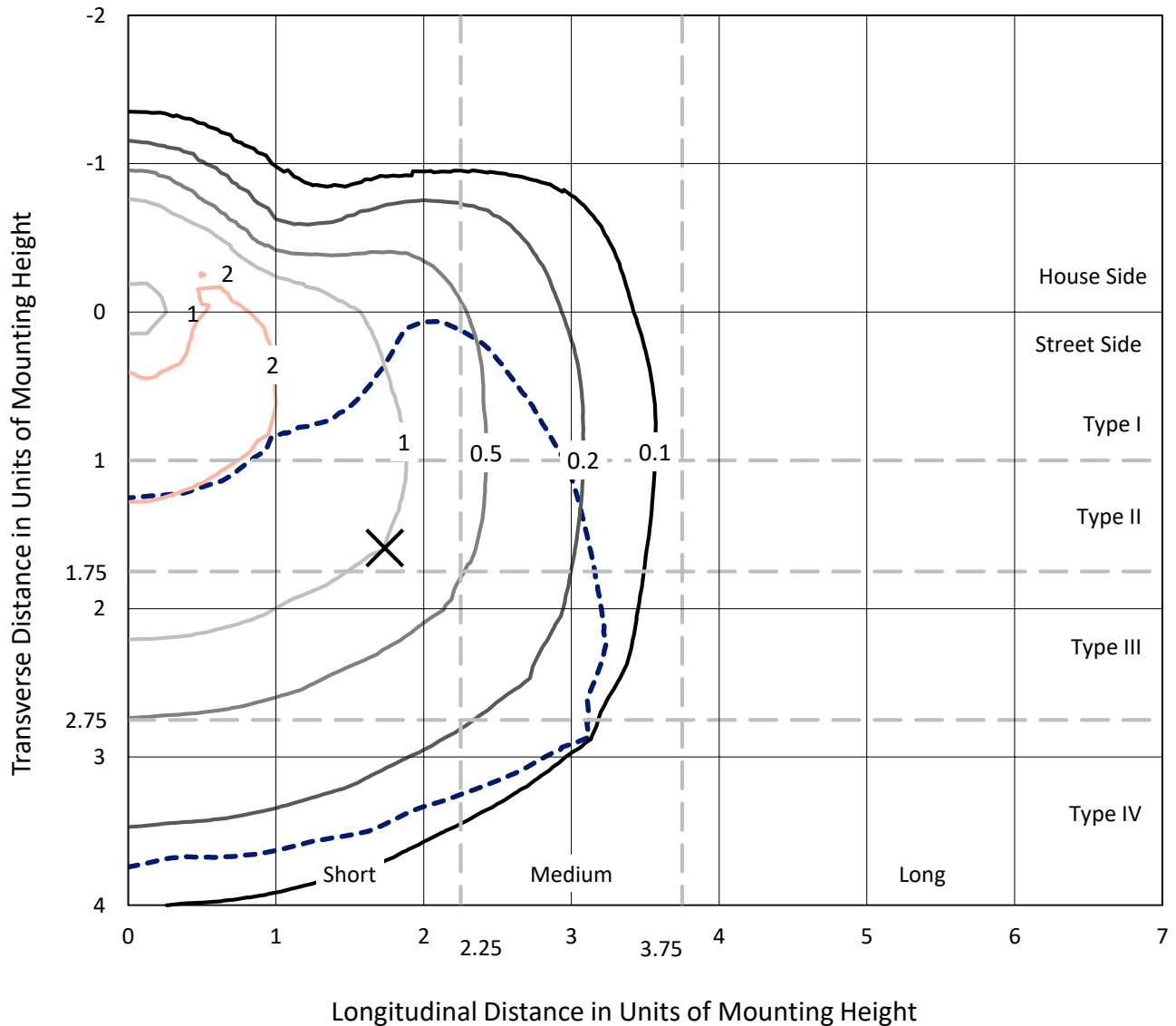


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

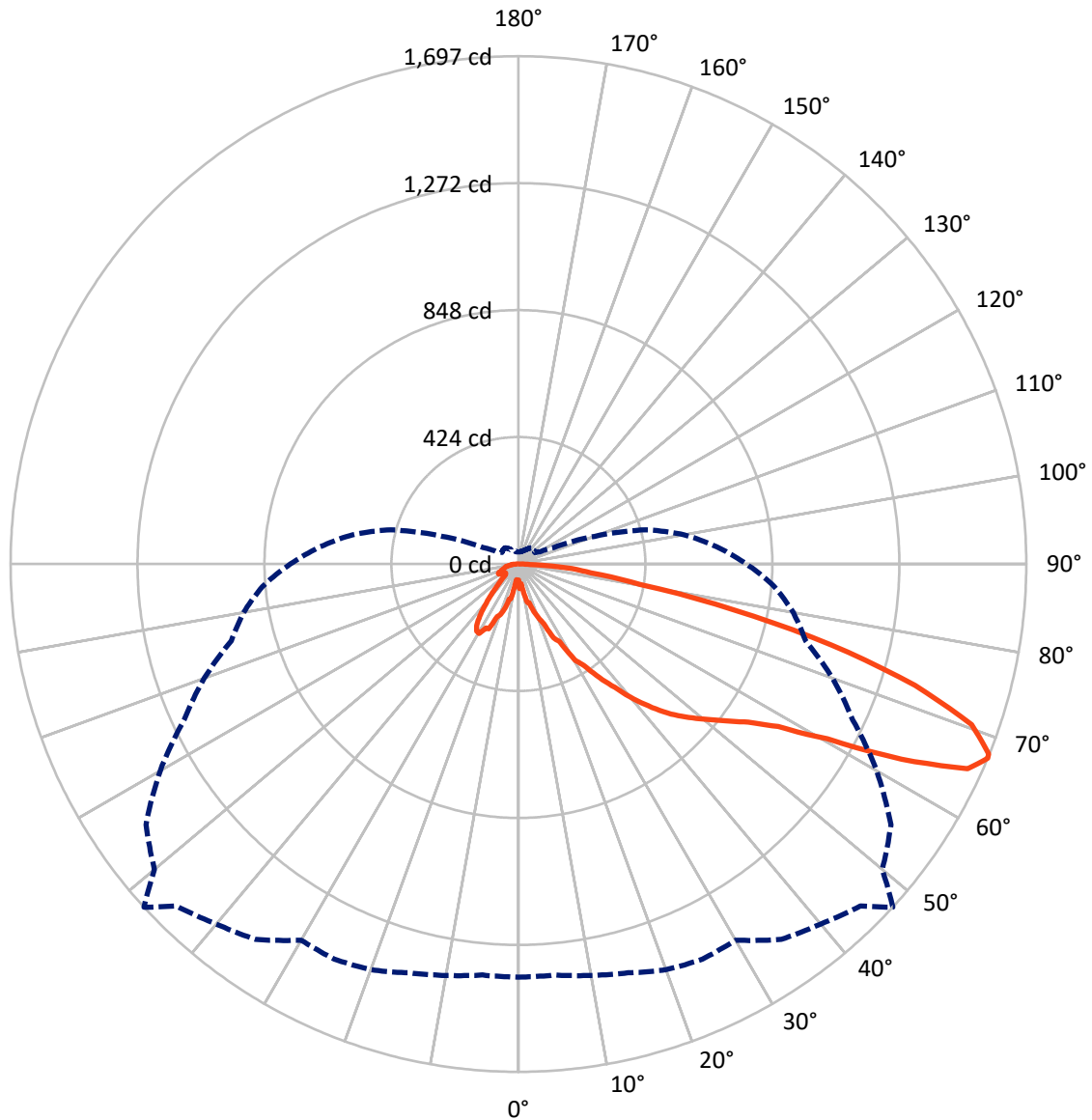


Based on 10 foot mounting height. Maximum calculated value = 3 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 47.5-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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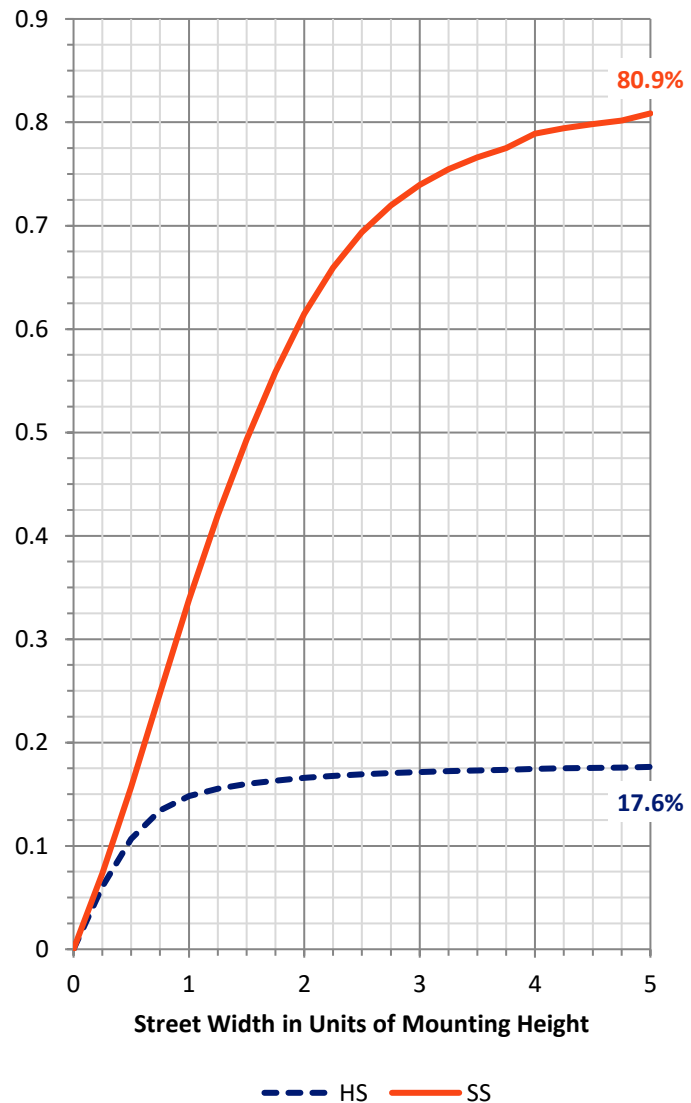
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	432.3	0.0	432.3
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	1976.2	0.0	1976.2
	% Fixture	82.1	0.0	82.1
Total	Lumens	2408.5	0.0	2408.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.0	0.3
10°-20°	39.5	1.6
20°-30°	116.4	4.8
30°-40°	228.9	9.5
40°-50°	319.6	13.3
50°-60°	445.5	18.5
60°-70°	713.9	29.6
70°-80°	458.0	19.0
80°-90°	79.7	3.3
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°	2408.5	100.0
0°-180°	2408.5	100.0

Coefficient of Utilization



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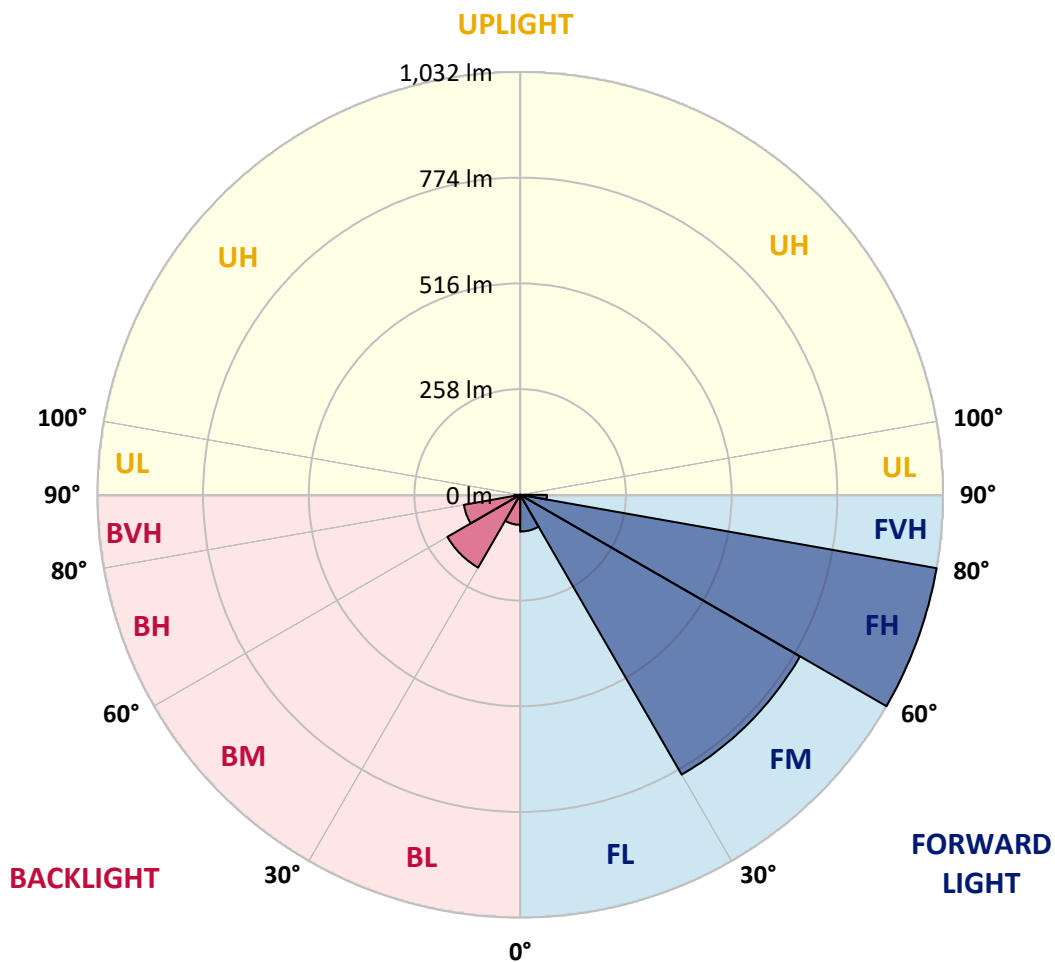
CATALOG NUMBER: UTLD-E01-LED-E-U-T4-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	89.7	3.7			
FM	(30°-60°)	788.8	32.8			
FH	(60°-80°)	1032.3	42.9			G1/1800
FVH	(80°-90°)	65.3	2.7			G1/100
BL	(0°-30°)	73.2	3.0	B0/110		
BM	(30°-60°)	205.1	8.5	B0/220		
BH	(60°-80°)	139.6	5.8	B1/500		G1/500
BVH	(80°-90°)	14.4	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	47.5°
0°	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
2.5°	83.1	83.6	83.1	83.6	83.6	83.1	83.1	83.1	84.5	80.4	82.2
5°	65.8	66.2	66.2	66.2	66.2	66.2	66.7	68.0	66.7	67.1	67.1
7.5°	100.5	101.4	101.4	100.5	100.9	100.9	100.5	71.7	69.4	68.0	66.7
10°	102.8	103.7	103.7	101.8	102.3	102.8	102.8	102.3	101.4	98.2	97.7
12.5°	139.3	139.7	139.3	138.8	137.9	133.3	122.4	106.4	101.4	128.3	130.6
15°	149.3	148.9	148.0	145.7	144.3	142.0	139.3	162.1	159.4	137.9	135.2
17.5°	189.5	189.5	188.6	188.2	182.2	180.4	174.9	171.7	168.5	163.9	166.7
20°	229.7	227.4	207.3	196.4	189.5	210.1	209.6	203.7	208.7	191.8	191.3
22.5°	244.3	243.0	241.1	235.2	233.4	247.5	233.8	229.7	234.3	216.5	216.0
25°	301.4	300.9	292.7	288.2	274.0	266.7	271.7	268.1	255.3	254.8	273.5
27.5°	326.1	322.9	316.9	309.2	323.3	317.4	318.3	287.2	311.5	299.1	294.1
30°	389.5	390.9	380.4	384.1	380.9	352.6	343.4	352.1	350.7	341.1	371.7
32.5°	469.0	468.5	457.1	436.6	408.7	403.2	408.7	401.0	398.2	396.4	405.5
35°	556.7	550.3	511.0	501.4	485.9	474.5	469.9	450.3	458.5	436.1	466.7
37.5°	599.2	600.1	585.0	585.0	568.6	551.7	530.7	532.9	515.1	501.4	522.9
40°	662.2	664.5	650.3	642.5	635.2	608.7	594.6	584.1	583.6	571.3	593.2
42.5°	692.8	696.4	683.6	679.5	684.6	667.2	644.4	643.9	646.7	629.8	655.3
45°	724.3	728.9	715.6	721.1	715.6	712.9	682.3	697.8	705.6	686.8	714.7
47.5°	761.3	767.2	762.2	759.0	753.5	753.5	731.1	741.6	753.1	737.1	766.3
50°	807.4	811.5	806.0	804.7	796.4	795.1	780.5	787.8	796.9	780.5	815.2
52.5°	868.6	869.5	865.9	857.6	845.3	848.0	839.4	839.8	843.5	832.5	870.9
55°	945.8	946.7	946.2	927.1	938.5	917.5	903.3	906.0	904.2	895.5	932.1
57.5°	1042.1	1048.1	1050.8	1033.9	1044.4	1005.6	997.4	992.4	998.7	979.1	1023.9
60°	1195.6	1204.7	1200.1	1197.4	1189.2	1153.1	1142.6	1157.2	1150.4	1133.0	1186.4
62.5°	1392.4	1390.1	1401.5	1399.7	1402.0	1365.9	1341.3	1376.9	1388.7	1395.6	1436.2
65°	1443.1	1443.6	1458.2	1461.8	1479.6	1476.0	1459.1	1521.2	1541.3	1570.0	1649.1
67°	1380.1	1378.2	1395.6	1413.9	1442.2	1456.3	1450.9	1530.8	1570.0	1615.7	1696.5
67.5°	1360.4	1356.8	1375.5	1399.3	1428.5	1445.8	1441.7	1524.4	1565.5	1615.3	1694.3
70°	1232.1	1219.3	1243.1	1275.0	1301.5	1341.3	1343.1	1421.6	1478.7	1532.1	1605.7
72.5°	1067.7	1050.8	1072.3	1096.5	1116.1	1162.2	1165.0	1216.1	1274.6	1318.0	1386.0
75°	847.6	825.7	845.8	857.6	864.9	902.4	905.6	950.3	993.3	1026.6	1079.1
77.5°	524.3	509.6	526.1	545.7	570.4	586.8	596.0	623.4	670.4	707.8	736.2
80°	262.6	273.1	290.4	316.9	337.5	366.3	378.1	380.0	399.6	396.9	414.7
82.5°	182.7	194.1	218.7	235.6	242.0	251.2	265.8	261.2	248.0	245.7	243.9
85°	46.6	72.6	133.3	161.7	168.1	177.6	190.9	198.7	178.1	161.2	164.4
87.5°	12.8	15.5	45.7	67.6	73.1	53.9	69.9	83.6	54.3	36.1	37.9
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°	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
2.5°	74.0	65.8	62.1	56.6	55.3	54.8	53.9	53.9	53.4	53.4	53.4
5°	68.5	75.8	82.2	84.0	80.4	59.8	58.0	54.8	54.3	54.3	54.8
7.5°	67.1	68.0	68.5	65.8	76.7	77.2	55.7	54.8	54.8	54.8	55.3
10°	97.7	72.6	91.3	94.5	96.8	112.8	111.4	84.5	81.3	83.1	85.9
12.5°	131.5	135.2	120.6	97.7	100.0	100.9	113.3	87.7	82.7	85.9	103.7
15°	134.7	134.3	140.7	157.6	137.0	132.9	141.6	121.5	120.6	113.3	132.4
17.5°	190.9	163.5	158.9	160.3	146.6	140.2	130.2	141.1	127.9	124.2	121.5
20°	198.2	181.8	173.5	202.3	220.1	201.4	191.3	194.5	183.1	176.3	174.9
22.5°	215.6	234.7	242.5	224.2	224.2	221.5	241.6	227.0	220.6	213.3	210.1
25°	280.9	249.8	274.0	293.6	284.1	276.7	261.7	266.7	246.1	245.7	236.6
27.5°	307.3	325.6	316.9	318.8	303.7	327.0	316.9	306.0	286.8	283.1	287.7
30°	375.4	356.7	364.9	371.3	364.4	363.1	352.6	337.0	323.3	313.3	311.9
32.5°	403.2	416.0	412.4	404.6	427.4	434.3	427.9	391.4	379.0	353.0	353.0
35°	458.5	452.1	484.1	476.3	467.2	458.5	452.6	427.4	400.5	373.1	365.8
37.5°	519.2	526.1	525.2	510.1	494.6	478.6	472.2	448.0	417.9	393.2	360.3
40°	581.8	569.0	562.6	549.4	521.1	506.9	497.3	483.6	437.5	409.6	361.7
42.5°	640.3	631.6	601.4	581.8	561.3	540.7	513.8	502.8	456.2	420.6	357.1
45°	694.1	679.1	646.7	621.5	587.7	571.3	533.4	512.8	476.8	421.5	344.8
47.5°	739.4	723.8	690.9	648.5	617.4	593.7	558.1	540.2	496.4	432.0	344.8
50°	783.2	765.4	729.8	669.9	642.1	602.4	583.2	558.1	521.1	447.5	355.3
52.5°	831.1	809.7	767.2	699.2	667.2	628.4	607.8	586.8	553.0	469.0	372.6
55°	890.5	864.9	809.7	743.9	698.3	663.1	643.5	621.5	586.4	493.7	394.1
57.5°	975.9	939.8	874.5	814.3	758.5	728.4	700.5	670.4	639.8	537.0	429.3
60°	1122.1	1082.8	998.7	944.4	883.7	843.5	799.2	775.4	728.4	619.7	487.3
62.5°	1365.0	1314.8	1235.3	1133.0	1046.2	964.5	918.4	884.1	814.3	692.3	561.7
65°	1545.4	1475.5	1369.1	1237.1	1133.0	1011.1	966.3	896.0	812.4	697.3	583.2
67°	1586.9	1518.9	1381.9	1232.1	1117.0	993.3	932.1	858.1	761.7	664.0	562.6
67.5°	1586.0	1519.4	1375.0	1223.4	1107.9	984.1	918.4	843.0	744.8	653.5	556.2
70°	1495.2	1441.3	1285.5	1132.6	1012.0	897.4	811.1	740.3	647.1	574.5	490.0
72.5°	1272.8	1239.9	1096.9	958.1	846.7	750.8	685.0	614.7	530.7	474.5	413.3
75°	993.7	947.1	808.8	700.5	610.6	546.6	494.1	431.1	364.9	332.5	309.2
77.5°	662.2	616.5	487.3	380.9	316.9	263.0	222.9	178.1	138.4	142.0	153.0
80°	359.9	323.3	232.9	168.1	137.0	111.0	93.2	71.2	52.1	62.6	71.2
82.5°	218.7	191.8	148.9	116.5	95.4	80.8	65.8	48.9	37.4	42.5	51.6
85°	152.1	134.3	106.4	83.6	68.0	54.3	42.5	31.5	29.7	32.4	37.0
87.5°	50.7	63.0	48.0	38.8	37.4	33.8	28.3	22.8	17.8	22.4	28.8
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
2.5°	53.9	54.3	56.6	58.0	58.0	56.6	65.8	64.8	79.0	79.9	83.6
5°	58.5	58.9	76.7	83.1	83.6	72.2	56.2	53.9	53.0	52.5	53.9
7.5°	66.2	77.2	69.9	50.2	52.1	52.1	53.0	52.5	53.0	62.6	85.9
10°	111.0	83.1	78.5	67.1	54.3	58.5	84.5	84.9	86.3	90.0	90.4
12.5°	97.7	85.4	80.4	80.8	111.4	119.6	115.5	88.1	89.5	91.8	107.3
15°	113.3	111.9	118.3	116.9	113.7	121.0	119.6	142.9	147.0	125.6	126.0
17.5°	116.0	116.9	143.9	147.5	144.8	158.5	149.8	148.0	151.2	148.9	141.6
20°	174.9	194.5	188.6	158.9	163.9	181.8	177.2	152.1	174.0	175.8	163.0
22.5°	183.1	200.5	206.0	222.9	221.9	186.3	191.8	200.5	182.2	174.0	190.0
25°	245.7	262.6	271.3	247.1	223.8	243.4	232.9	199.6	207.8	194.1	194.1
27.5°	305.5	280.9	289.1	278.1	285.4	245.7	233.8	247.5	206.0	209.6	213.7
30°	318.8	312.8	318.8	305.5	286.3	279.5	253.9	242.5	245.7	215.1	212.4
32.5°	341.1	330.6	319.7	295.9	293.2	272.6	254.8	250.3	227.4	216.0	214.2
35°	338.4	314.2	306.4	291.4	269.9	253.5	236.1	223.3	206.4	203.2	200.9
37.5°	329.7	292.3	270.8	256.2	237.9	222.4	197.7	189.1	183.1	177.2	174.4
40°	316.5	269.4	233.4	211.0	192.3	175.8	159.8	151.6	147.5	149.8	152.5
42.5°	293.2	243.0	193.2	167.6	148.0	134.7	124.2	120.6	119.2	121.5	126.0
45°	274.9	209.6	155.7	126.5	110.1	101.4	94.1	91.3	93.2	95.0	97.3
47.5°	266.7	184.0	124.7	95.4	82.7	78.1	73.5	71.2	72.2	73.5	75.4
50°	264.4	169.4	104.1	75.4	66.7	62.1	58.9	58.0	58.5	58.0	58.9
52.5°	264.9	169.4	94.5	66.2	58.5	54.8	52.1	51.1	49.8	49.3	49.8
55°	274.5	174.0	92.2	64.4	57.1	53.0	50.2	49.8	48.0	46.6	46.1
57.5°	303.7	190.4	97.7	68.0	59.4	55.7	53.0	52.5	50.7	48.4	47.5
60°	361.7	226.5	112.3	76.3	65.3	62.1	60.3	59.8	57.1	53.9	51.1
62.5°	422.4	266.2	130.2	84.9	72.2	71.2	71.7	70.8	67.1	60.3	55.3
65°	449.4	281.8	137.0	85.9	72.2	74.0	75.4	75.8	69.9	61.7	55.3
67°	441.1	270.8	130.2	80.4	67.6	69.4	69.9	70.3	64.4	57.5	51.6
67.5°	437.0	266.2	127.9	79.5	67.1	68.5	68.0	68.0	62.6	56.6	50.7
70°	394.6	235.2	112.8	73.5	62.6	60.7	57.1	57.1	53.0	49.8	46.6
72.5°	334.7	199.6	98.2	69.9	59.4	54.3	50.2	49.8	47.0	45.7	43.8
75°	255.7	155.3	86.3	66.2	56.2	50.2	45.7	46.1	43.4	42.9	42.0
77.5°	152.1	105.5	74.9	61.7	53.4	47.5	42.5	43.4	40.2	39.7	39.7
80°	75.8	70.3	62.1	53.4	46.6	42.0	37.0	37.0	34.7	34.3	35.6
82.5°	57.1	53.0	46.1	40.6	36.5	31.5	24.7	27.4	27.4	28.3	29.2
85°	42.5	37.9	32.9	28.8	26.5	23.7	19.2	21.0	21.5	23.3	24.2
87.5°	32.0	26.9	22.8	21.0	20.1	18.3	14.2	16.9	17.4	17.4	18.3
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):

	160°	165°	170°	175°	180°
0°	53.4	53.4	53.4	53.4	53.4
2.5°	84.0	83.1	82.2	81.7	81.7
5°	53.0	51.6	51.6	51.6	51.1
7.5°	88.1	89.5	89.1	89.1	88.6
10°	90.4	90.0	90.4	90.0	90.4
12.5°	123.3	127.0	129.2	130.2	129.2
15°	130.2	129.7	130.2	130.6	130.2
17.5°	157.1	161.2	162.1	161.7	161.7
20°	154.8	158.5	158.9	161.2	158.9
22.5°	182.2	181.3	183.6	182.7	181.8
25°	191.3	183.1	203.2	204.6	203.2
27.5°	212.8	199.1	200.9	200.9	199.1
30°	221.0	215.1	216.5	218.3	217.8
32.5°	204.6	206.9	223.8	227.0	226.5
35°	201.4	204.6	202.3	205.0	214.2
37.5°	189.1	190.9	194.5	197.7	198.2
40°	164.9	172.2	177.6	179.9	181.8
42.5°	131.5	139.3	144.3	146.6	144.8
45°	102.3	107.3	111.4	112.8	111.4
47.5°	78.5	80.4	81.7	82.2	83.6
50°	60.3	60.3	60.7	59.8	59.8
52.5°	50.7	49.3	49.3	48.4	48.4
55°	46.1	45.2	44.8	43.8	43.8
57.5°	46.1	44.3	42.9	41.6	41.6
60°	48.0	44.8	42.0	40.6	40.2
62.5°	49.8	45.7	42.0	40.2	39.7
65°	48.9	45.2	42.0	40.2	39.7
67°	47.0	44.3	42.0	40.2	40.2
67.5°	46.6	44.3	42.0	40.2	39.7
70°	44.8	43.8	41.6	39.7	39.3
72.5°	42.9	42.0	39.7	37.9	37.4
75°	41.1	39.7	37.9	36.5	36.1
77.5°	38.8	37.0	35.2	33.3	32.4
80°	35.2	32.9	30.6	29.2	27.4
82.5°	29.7	29.2	26.5	24.7	22.8
85°	24.7	24.2	22.4	20.1	17.8
87.5°	18.7	19.2	17.8	15.5	11.0
90°	0.0	0.0	0.0	0.0	0.0

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