

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: P179275

Luminaire Tested: **UTLD-F02-LED-E-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179275
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34325)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-F02-LED-E-U-SL3-HSS
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (14) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2555.9 lumens
Efficiency: N/A
Efficacy: 46.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

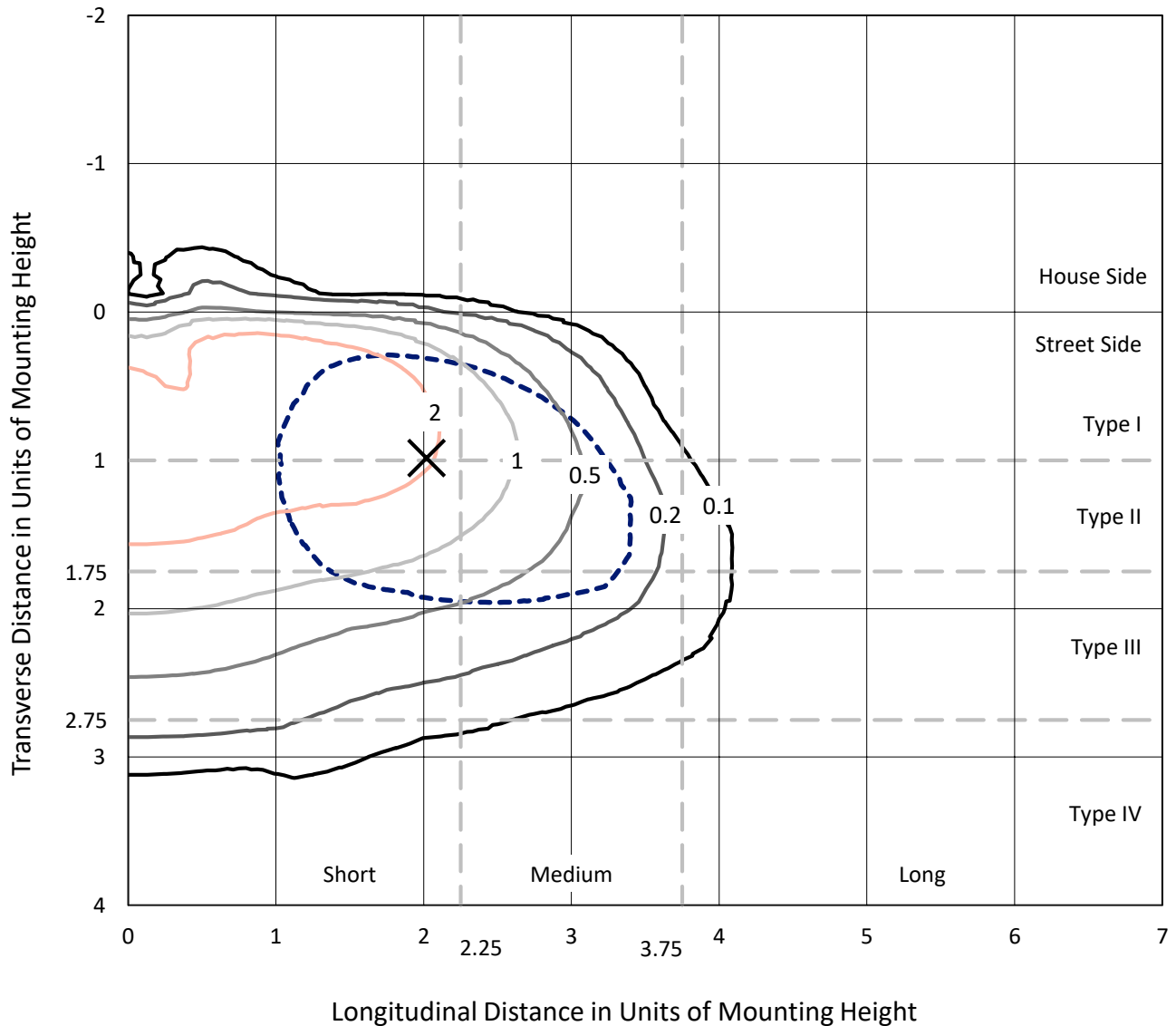
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

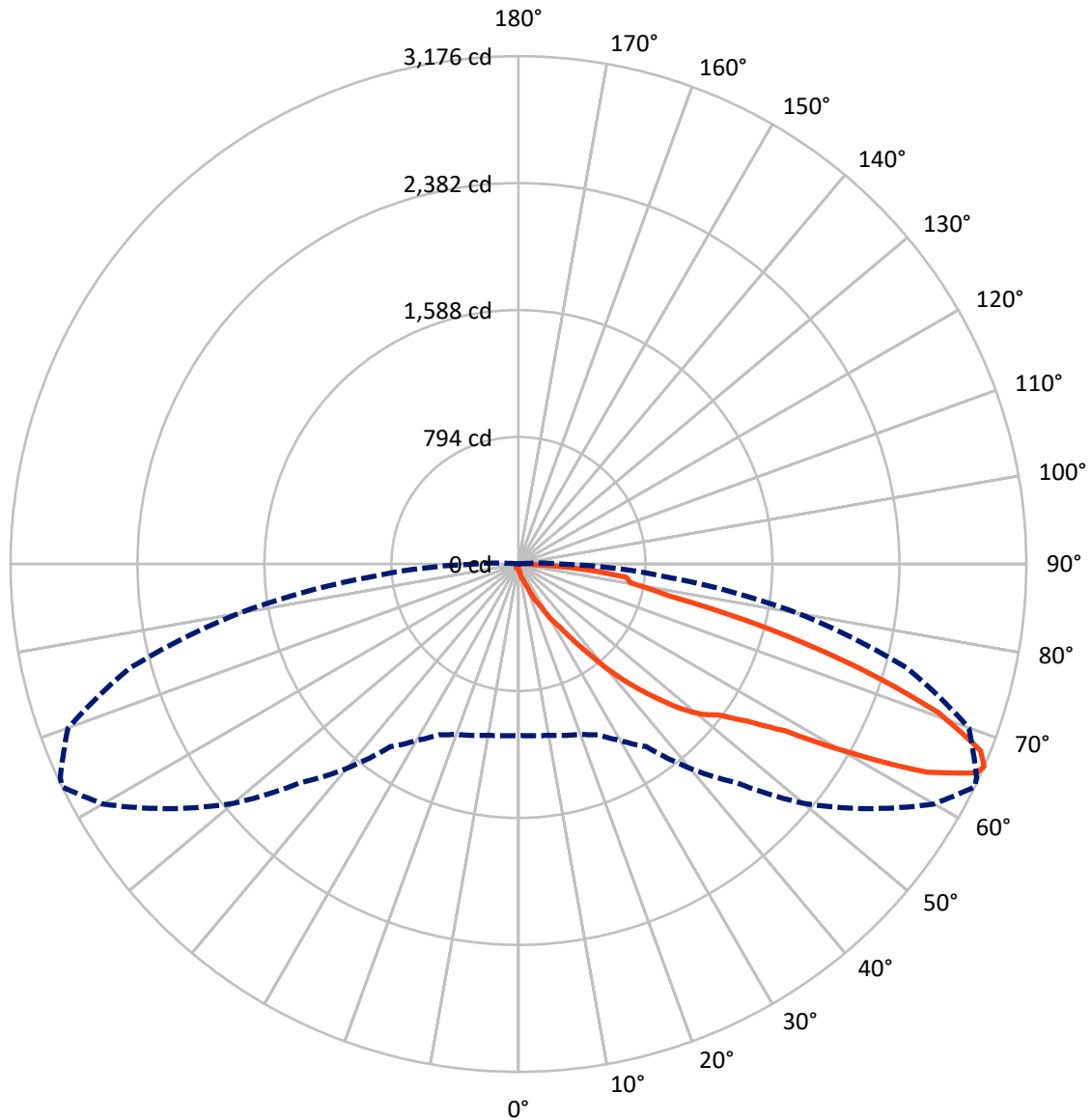
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical



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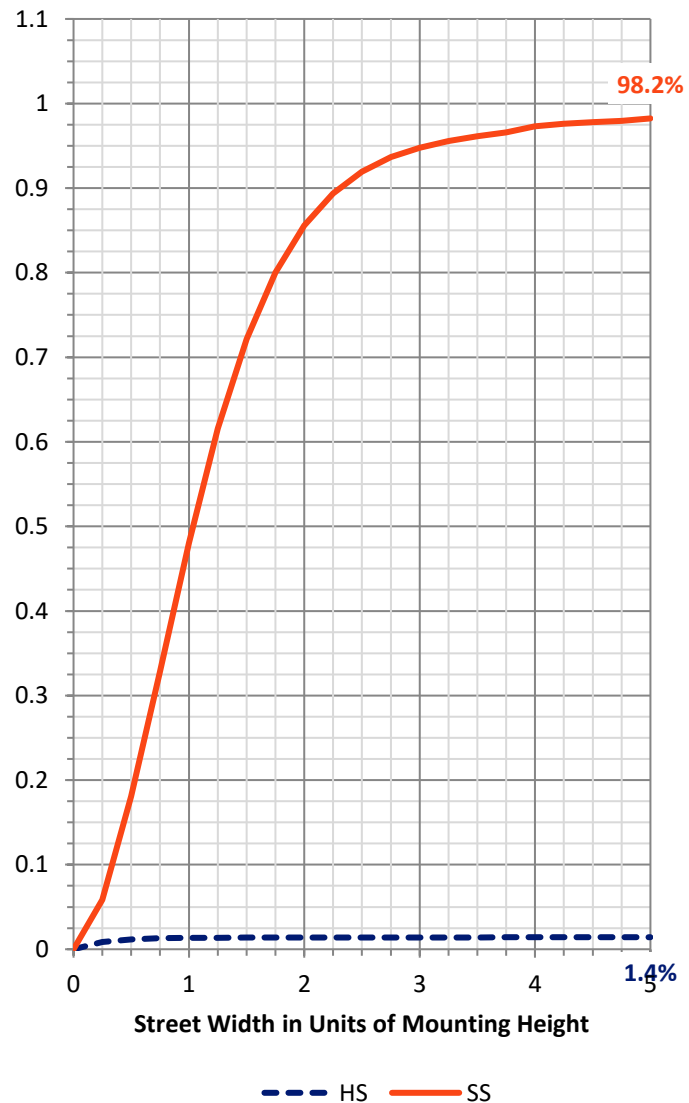
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	37.3	0.0	37.3
	% Fixture	1.5	0.0	1.5
Street Side	Lumens	2518.5	0.0	2518.5
	% Fixture	98.5	0.0	98.5
Total	Lumens	2555.9	0.0	2555.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.1
10°-20°	20.0	0.8
20°-30°	61.1	2.4
30°-40°	162.4	6.4
40°-50°	377.7	14.8
50°-60°	644.0	25.2
60°-70°	850.2	33.3
70°-80°	381.5	14.9
80°-90°	55.5	2.2
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°	2555.9	100.0
0°-180°	2555.9	100.0

Coefficient of Utilization



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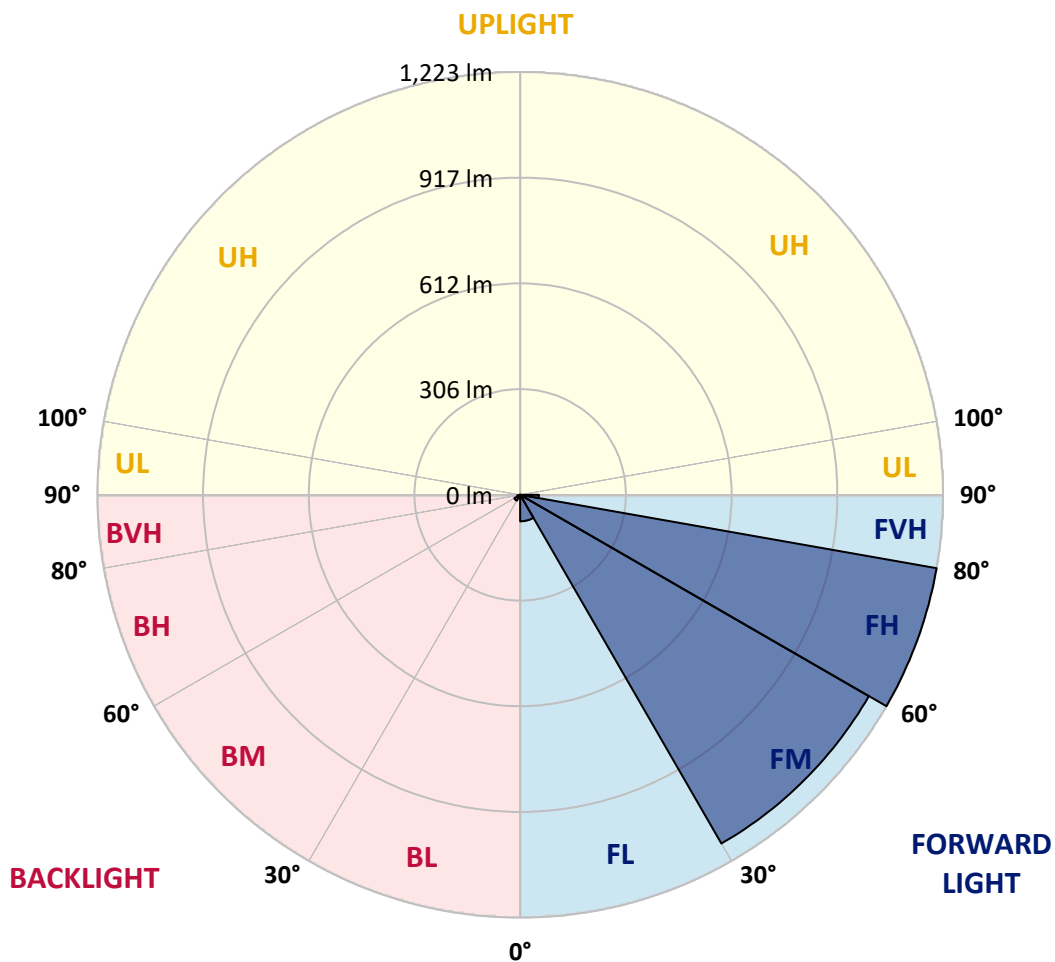
CATALOG NUMBER: UTLD-F02-LED-E-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	76.7	3.0			
FM	(30°-60°)	1164.7	45.6			
FH	(60°-80°)	1223.1	47.9			G1/1800
FVH	(80°-90°)	54.0	2.1			G1/100
BL	(0°-30°)	7.9	0.3	B0/110		
BM	(30°-60°)	19.4	0.8	B0/220		
BH	(60°-80°)	8.6	0.3	B0/110		G0/110
BVH	(80°-90°)	1.5	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
2.5°	43.8	43.8	43.8	42.9	42.1	42.1	41.3	40.5	40.5	40.5	39.6
5°	59.4	57.0	55.3	52.8	51.2	51.2	49.5	48.7	47.9	47.1	45.4
7.5°	88.3	87.5	85.9	85.0	84.2	83.4	80.9	80.1	77.6	71.0	54.5
10°	112.3	108.1	108.1	102.4	99.1	95.8	92.5	90.8	90.8	85.0	80.9
12.5°	134.6	135.4	136.2	137.0	134.6	132.9	130.4	127.1	104.8	99.9	99.9
15°	179.1	177.5	175.0	162.6	144.5	141.2	134.6	135.4	146.9	139.5	118.9
17.5°	185.7	185.7	184.1	181.6	178.3	172.5	173.4	168.4	152.7	149.4	148.6
20°	239.4	239.4	236.1	227.8	208.9	181.6	187.4	180.8	181.6	178.3	169.2
22.5°	260.0	260.9	254.3	245.2	232.0	230.3	217.1	189.9	198.1	193.2	195.6
25°	329.4	327.7	318.7	299.7	282.3	241.9	222.9	227.0	215.5	208.9	239.4
27.5°	405.3	403.7	370.7	332.7	305.4	277.4	264.2	240.2	245.2	251.0	260.9
30°	446.6	442.5	426.0	397.1	364.1	327.7	282.3	275.7	269.9	274.9	343.4
32.5°	539.9	539.1	516.8	482.1	441.7	373.1	335.2	322.0	307.9	349.2	398.7
35°	643.9	640.6	624.1	572.9	520.1	468.1	440.0	397.9	410.3	435.1	511.8
37.5°	725.6	725.6	703.3	657.9	634.0	591.1	554.8	548.1	529.2	565.5	656.3
40°	771.9	776.8	781.8	766.1	743.0	724.8	705.0	691.8	699.2	716.6	809.0
42.5°	847.8	856.9	872.6	865.2	854.4	858.5	829.7	837.1	850.3	876.7	971.6
45°	958.4	965.9	983.2	996.4	1014.6	1004.7	950.2	989.0	1017.0	1034.4	1135.1
47.5°	1068.2	1082.3	1105.4	1125.2	1154.1	1144.2	1113.6	1130.1	1158.2	1176.4	1292.8
50°	1164.0	1177.2	1202.0	1231.7	1244.1	1268.0	1256.4	1264.7	1297.7	1312.6	1426.5
52.5°	1235.8	1242.4	1263.9	1297.7	1310.9	1348.1	1353.0	1352.2	1416.6	1439.7	1558.6
55°	1273.8	1280.4	1301.0	1327.4	1344.8	1395.1	1390.2	1404.2	1500.0	1543.7	1693.2
57.5°	1281.2	1289.5	1306.0	1339.0	1353.0	1412.5	1400.9	1433.9	1559.4	1649.4	1836.0
60°	1267.2	1276.3	1290.3	1321.7	1341.5	1398.4	1415.8	1461.2	1619.7	1764.1	2018.4
62.5°	1206.9	1221.0	1229.2	1263.1	1282.0	1329.9	1409.2	1493.4	1686.5	1872.3	2212.4
65°	1114.5	1121.9	1133.4	1158.2	1180.5	1228.4	1334.0	1456.2	1703.9	1940.0	2325.5
66°	1071.5	1078.1	1087.2	1109.5	1133.4	1178.0	1273.8	1394.3	1665.9	1936.7	2328.8
67.5°	988.2	991.5	1008.0	1025.3	1051.7	1079.8	1153.3	1273.0	1553.6	1853.3	2266.9
70°	667.0	677.8	723.2	783.4	820.6	816.4	862.7	968.3	1216.0	1506.6	1955.7
72.5°	313.7	317.0	322.8	346.7	483.8	511.8	544.0	634.8	821.4	1049.2	1427.3
75°	256.7	260.0	269.9	282.3	311.2	345.1	356.6	392.1	527.5	650.5	872.6
77.5°	87.5	90.0	96.6	114.7	175.8	220.4	260.0	323.6	397.1	462.3	572.1
80°	36.3	38.8	42.1	38.8	45.4	75.1	94.9	138.7	241.9	355.0	453.2
82.5°	19.8	20.6	23.1	21.5	26.4	34.7	37.1	40.5	58.6	118.9	254.3
85°	5.8	5.8	6.6	10.7	15.7	23.1	23.1	22.3	22.3	33.8	63.6
87.5°	1.7	1.7	2.5	3.3	5.0	8.3	9.9	9.9	10.7	14.0	20.6
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):

	55°	60°	64°	65°	70°	75°	80°	85°	90°	95°	100°
0°	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
2.5°	39.6	39.6	39.6	39.6	38.8	38.8	36.3	33.0	29.7	26.4	23.9
5°	44.6	42.1	41.3	41.3	38.8	38.8	38.0	35.5	27.2	23.1	20.6
7.5°	50.4	47.1	45.4	45.4	42.9	39.6	38.0	36.3	28.1	22.3	19.8
10°	79.3	66.0	57.0	54.5	51.2	47.1	44.6	44.6	33.0	26.4	23.9
12.5°	96.6	91.6	85.9	81.7	59.4	53.7	51.2	44.6	34.7	25.6	22.3
15°	110.6	103.2	96.6	94.9	94.1	71.8	61.9	56.1	40.5	33.0	27.2
17.5°	159.3	127.1	116.4	115.6	104.8	79.3	68.5	56.1	43.8	33.0	27.2
20°	168.4	156.0	138.7	142.0	143.6	125.5	98.2	76.8	57.8	43.8	33.0
22.5°	216.3	209.7	199.0	195.6	164.3	143.6	106.5	90.0	62.7	43.8	33.0
25°	247.7	243.5	257.6	255.1	236.9	199.8	146.1	107.3	78.4	50.4	37.1
27.5°	308.7	328.6	301.3	309.6	274.9	240.2	192.3	132.9	83.4	52.8	38.0
30°	350.8	378.9	397.1	392.1	347.5	279.9	213.8	150.2	90.8	52.8	39.6
32.5°	440.8	459.8	463.1	453.2	426.8	353.3	255.9	172.5	94.9	54.5	42.1
35°	524.2	572.1	571.3	572.9	520.1	435.1	309.6	185.7	101.5	54.5	42.1
37.5°	685.2	711.6	708.3	707.5	648.9	531.6	364.9	224.5	109.0	54.5	41.3
40°	840.4	872.6	871.8	862.7	800.8	647.2	458.2	255.9	116.4	56.1	38.8
42.5°	990.6	1005.5	1030.3	1033.6	927.9	780.1	553.1	298.8	124.7	57.8	37.1
45°	1147.5	1131.0	1178.0	1174.7	1077.3	921.3	634.0	349.2	137.9	56.1	34.7
47.5°	1306.0	1302.7	1343.1	1313.4	1240.8	1089.7	749.6	402.9	146.1	53.7	32.2
50°	1446.3	1472.7	1476.0	1432.3	1395.1	1254.8	902.3	474.7	162.6	49.5	30.5
52.5°	1569.3	1612.3	1569.3	1560.2	1558.6	1386.1	1031.1	539.1	178.3	45.4	28.1
55°	1722.9	1754.2	1731.1	1734.4	1750.9	1608.9	1189.6	657.9	205.6	41.3	25.6
57.5°	1919.3	1982.1	1968.9	2026.7	2030.0	1924.3	1414.9	793.3	237.8	38.0	23.1
60°	2180.2	2334.6	2409.7	2474.1	2399.8	2267.7	1665.1	905.6	263.3	34.7	20.6
62.5°	2479.9	2734.1	2867.9	2940.5	2735.8	2453.5	1766.6	953.5	269.1	30.5	18.2
65°	2651.6	2969.4	3147.7	3152.7	2957.0	2509.6	1781.5	951.8	263.3	26.4	15.7
66°	2667.3	3000.0	3175.8	3160.9	2996.7	2516.2	1771.6	937.0	257.6	24.8	14.9
67.5°	2610.3	2943.0	3117.2	3089.1	2972.7	2479.1	1706.4	899.0	246.0	22.3	14.0
70°	2313.1	2612.0	2788.6	2750.6	2758.9	2260.3	1432.3	766.9	214.6	18.2	12.4
72.5°	1823.6	2159.6	2237.2	2209.1	2259.5	1671.7	1012.1	538.2	160.2	14.9	10.7
75°	1223.4	1559.4	1613.1	1590.8	1432.3	842.0	402.0	227.0	83.4	12.4	9.1
77.5°	737.2	982.4	968.3	970.8	766.9	341.8	75.9	52.8	28.1	9.9	6.6
80°	539.1	681.9	710.0	727.3	601.8	223.7	42.1	31.4	16.5	7.4	5.0
82.5°	437.5	610.9	679.4	686.0	544.8	177.5	32.2	24.8	12.4	5.8	3.3
85°	119.7	312.0	385.5	365.7	232.0	60.3	23.1	16.5	8.3	4.1	3.3
87.5°	28.1	71.0	90.0	92.5	66.0	22.3	19.8	15.7	5.8	3.3	3.3
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
2.5°	23.1	22.3	21.5	20.6	20.6	19.8	19.8	19.8	19.0	19.8	19.8
5°	19.8	19.0	18.2	17.3	16.5	16.5	16.5	17.3	18.2	18.2	18.2
7.5°	19.0	17.3	16.5	16.5	16.5	11.6	8.3	7.4	7.4	7.4	8.3
10°	19.8	17.3	18.2	9.9	6.6	6.6	6.6	6.6	6.6	9.1	10.7
12.5°	20.6	19.0	10.7	9.9	9.1	8.3	9.9	9.1	9.1	9.9	9.9
15°	23.9	14.9	11.6	9.9	11.6	12.4	11.6	10.7	9.1	9.1	10.7
17.5°	19.8	14.9	13.2	14.9	14.9	12.4	10.7	12.4	12.4	11.6	10.7
20°	23.9	20.6	18.2	15.7	14.0	13.2	14.0	12.4	11.6	11.6	12.4
22.5°	25.6	22.3	23.1	20.6	19.0	14.9	14.0	12.4	13.2	12.4	12.4
25°	31.4	31.4	27.2	21.5	19.8	17.3	16.5	13.2	13.2	11.6	12.4
27.5°	33.8	30.5	27.2	24.8	22.3	17.3	16.5	14.0	12.4	12.4	10.7
30°	35.5	31.4	28.1	24.8	21.5	19.0	16.5	14.0	12.4	11.6	11.6
32.5°	38.0	33.0	27.2	23.1	20.6	17.3	16.5	13.2	11.6	9.9	9.9
35°	35.5	30.5	26.4	23.1	19.0	16.5	14.9	12.4	9.9	9.9	9.1
37.5°	33.0	28.1	23.9	21.5	18.2	14.9	13.2	10.7	9.1	8.3	8.3
40°	31.4	26.4	22.3	19.0	15.7	13.2	11.6	9.1	7.4	6.6	6.6
42.5°	28.9	23.9	19.8	16.5	14.0	11.6	9.9	7.4	5.8	5.0	5.0
45°	27.2	22.3	18.2	14.9	11.6	9.9	7.4	5.8	4.1	3.3	3.3
47.5°	25.6	20.6	15.7	12.4	9.9	8.3	5.8	4.1	2.5	2.5	1.7
50°	23.1	18.2	14.0	10.7	8.3	6.6	4.1	2.5	1.7	0.8	0.8
52.5°	21.5	15.7	12.4	9.1	6.6	5.0	3.3	1.7	0.8	0.8	0.8
55°	19.0	14.0	10.7	7.4	5.8	3.3	1.7	0.8	0.8	0.8	0.8
57.5°	16.5	11.6	9.1	6.6	4.1	2.5	1.7	0.8	0.8	0.8	0.0
60°	14.0	9.9	7.4	5.0	3.3	1.7	0.8	0.8	0.8	0.8	0.0
62.5°	12.4	8.3	5.8	4.1	2.5	1.7	0.8	0.8	0.8	0.8	0.0
65°	10.7	6.6	5.0	3.3	1.7	1.7	0.8	0.8	0.8	0.8	0.0
66°	9.9	6.6	4.1	2.5	1.7	1.7	0.8	0.8	0.8	0.8	0.0
67.5°	9.1	5.8	4.1	2.5	1.7	1.7	0.8	0.8	0.8	0.8	0.8
70°	8.3	5.0	3.3	2.5	1.7	0.8	0.8	0.8	0.8	0.8	0.8
72.5°	7.4	4.1	2.5	2.5	1.7	1.7	0.8	0.8	0.8	0.8	0.8
75°	5.0	2.5	2.5	1.7	1.7	1.7	0.8	1.7	1.7	1.7	1.7
77.5°	3.3	2.5	1.7	1.7	1.7	1.7	0.8	1.7	1.7	1.7	1.7
80°	3.3	2.5	2.5	2.5	2.5	2.5	0.8	2.5	2.5	2.5	1.7
82.5°	2.5	2.5	2.5	2.5	3.3	3.3	0.8	3.3	3.3	2.5	2.5
85°	2.5	2.5	2.5	3.3	3.3	4.1	0.8	3.3	3.3	3.3	3.3
87.5°	2.5	3.3	3.3	3.3	4.1	4.1	1.7	4.1	4.1	4.1	3.3
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°	30.5	30.5	30.5	30.5	30.5
2.5°	19.8	20.6	20.6	21.5	21.5
5°	16.5	16.5	14.9	14.9	14.0
7.5°	8.3	8.3	9.1	9.1	9.1
10°	11.6	12.4	12.4	12.4	13.2
12.5°	9.9	10.7	11.6	11.6	11.6
15°	11.6	12.4	13.2	13.2	13.2
17.5°	10.7	10.7	11.6	11.6	12.4
20°	12.4	12.4	12.4	12.4	12.4
22.5°	10.7	10.7	12.4	13.2	13.2
25°	12.4	11.6	11.6	12.4	11.6
27.5°	10.7	11.6	12.4	12.4	12.4
30°	10.7	10.7	10.7	10.7	11.6
32.5°	10.7	10.7	10.7	10.7	10.7
35°	9.1	9.9	9.9	10.7	10.7
37.5°	8.3	8.3	9.1	9.1	9.1
40°	6.6	6.6	6.6	7.4	7.4
42.5°	5.0	5.0	5.0	5.8	5.0
45°	3.3	3.3	3.3	3.3	3.3
47.5°	1.7	1.7	2.5	2.5	2.5
50°	0.8	0.8	1.7	1.7	1.7
52.5°	0.8	0.8	0.8	1.7	1.7
55°	0.8	0.8	0.8	0.8	1.7
57.5°	0.0	0.8	0.8	0.8	0.8
60°	0.0	0.8	0.8	0.8	0.8
62.5°	0.0	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.8	0.8	0.8
66°	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	1.7
72.5°	0.8	0.8	1.7	0.8	1.7
75°	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7
80°	1.7	2.5	2.5	1.7	1.7
82.5°	2.5	2.5	2.5	2.5	1.7
85°	2.5	2.5	3.3	3.3	1.7
87.5°	3.3	3.3	3.3	3.3	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)