

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: P179276

Luminaire Tested: **UTLD-F02-LED-E-U-SL3-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179276
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-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (14) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2622.5 lumens
Efficiency: N/A
Efficacy: 47.7 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



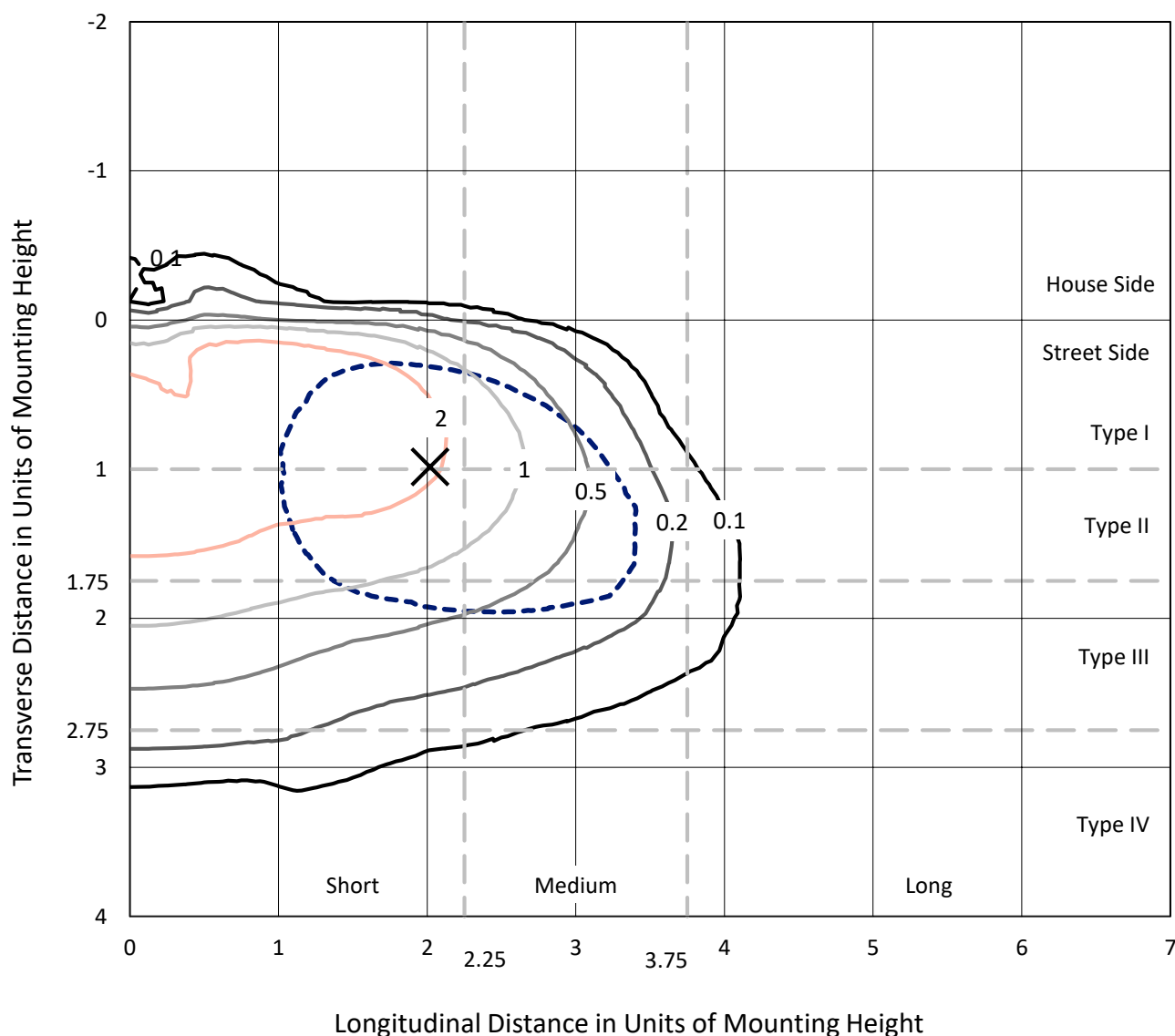
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

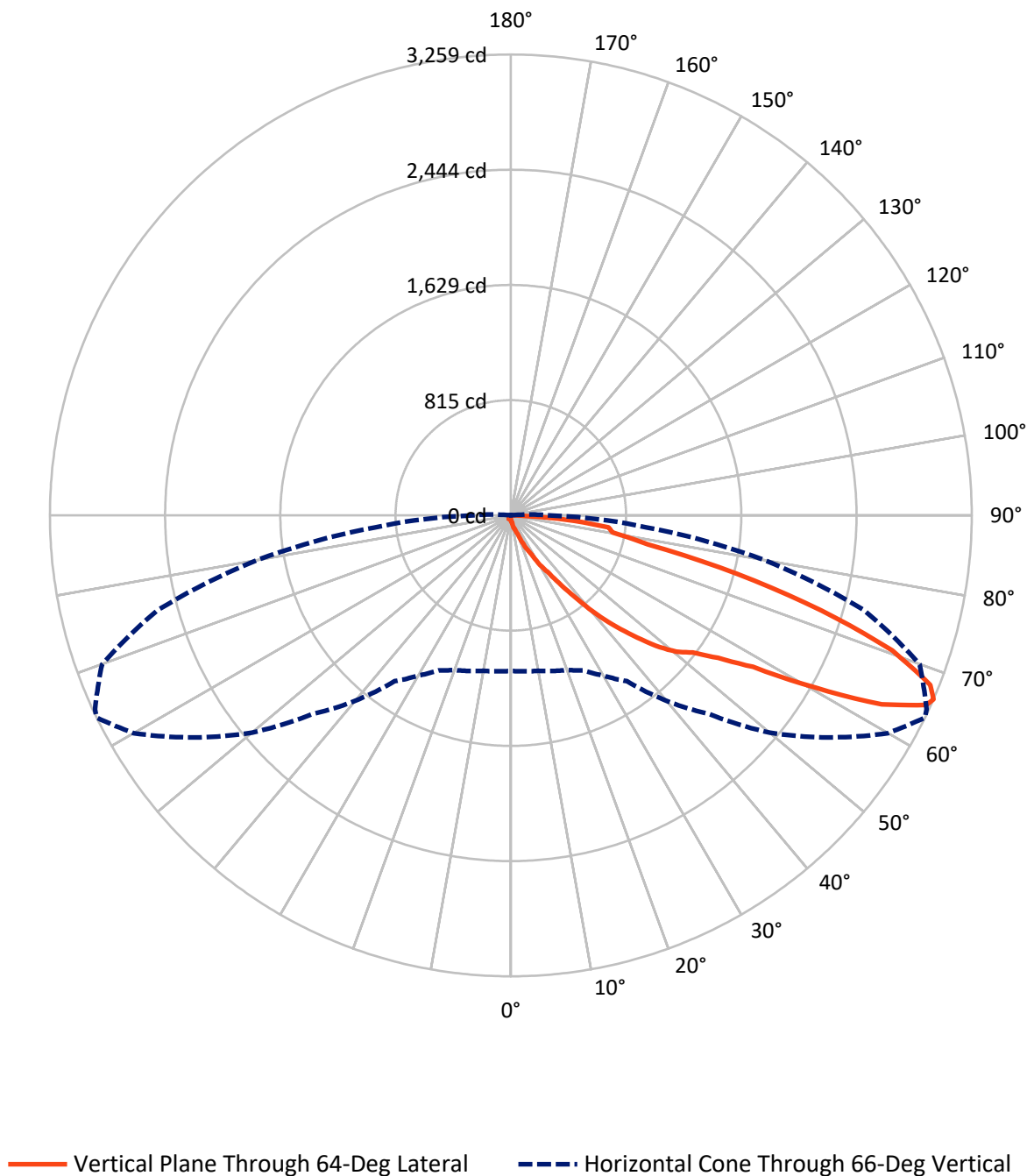


Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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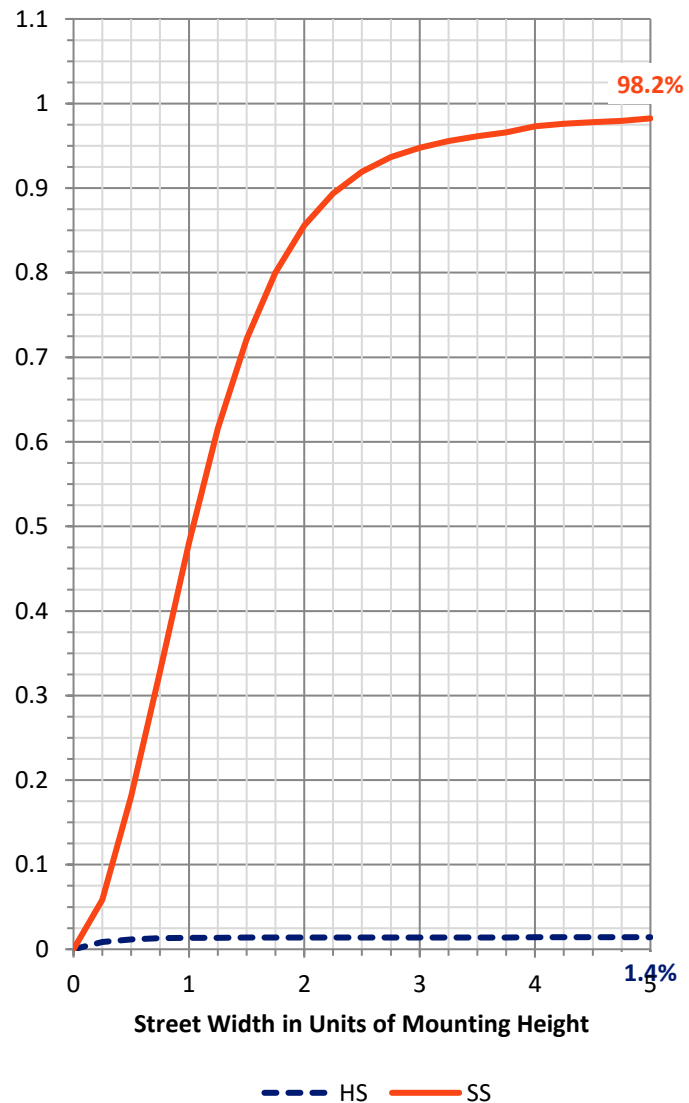
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	38.3	0.0	38.3
	% Fixture	1.5	0.0	1.5
Street Side	Lumens	2584.3	0.0	2584.3
	% Fixture	98.5	0.0	98.5
Total	Lumens	2622.5	0.0	2622.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.1
10°-20°	20.5	0.8
20°-30°	62.6	2.4
30°-40°	166.6	6.4
40°-50°	387.5	14.8
50°-60°	660.8	25.2
60°-70°	872.4	33.3
70°-80°	391.4	14.9
80°-90°	57.0	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°	2622.5	100.0
0°-180°	2622.5	100.0

Coefficient of Utilization



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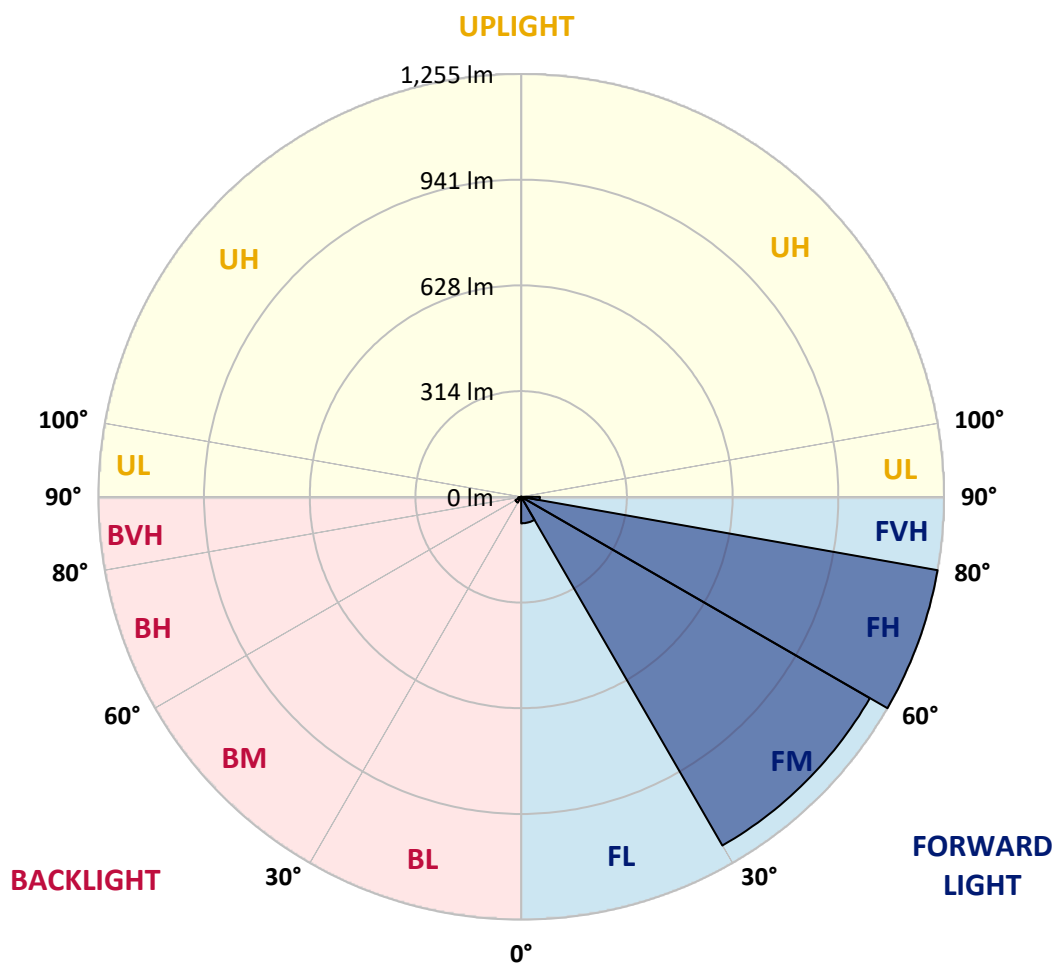
CATALOG NUMBER: UTLD-F02-LED-E-U-SL3-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	78.7	3.0			
FM	(30°-60°)	1195.1	45.6			
FH	(60°-80°)	1255.0	47.9			G1/1800
FVH	(80°-90°)	55.4	2.1			G1/100
BL	(0°-30°)	8.1	0.3	B0/110		
BM	(30°-60°)	19.9	0.8	B0/220		
BH	(60°-80°)	8.8	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°	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
2.5°	44.9	44.9	44.9	44.0	43.2	43.2	42.4	41.5	41.5	41.5	40.7
5°	61.0	58.4	56.8	54.2	52.5	52.5	50.8	50.0	49.1	48.3	46.6
7.5°	90.6	89.8	88.1	87.2	86.4	85.6	83.0	82.2	79.6	72.8	55.9
10°	115.2	111.0	111.0	105.0	101.6	98.3	94.9	93.2	93.2	87.2	83.0
12.5°	138.1	138.9	139.8	140.6	138.1	136.4	133.8	130.4	107.6	102.5	102.5
15°	183.8	182.1	179.6	166.9	148.2	144.8	138.1	138.9	150.8	143.2	122.0
17.5°	190.6	190.6	188.9	186.4	183.0	177.0	177.9	172.8	156.7	153.3	152.5
20°	245.7	245.7	242.3	233.8	214.3	186.4	192.3	185.5	186.4	183.0	173.7
22.5°	266.8	267.7	260.9	251.6	238.0	236.3	222.8	194.8	203.3	198.2	200.8
25°	338.0	336.3	327.0	307.5	289.7	248.2	228.7	232.9	221.1	214.3	245.7
27.5°	415.9	414.2	380.3	341.4	313.4	284.6	271.1	246.5	251.6	257.5	267.7
30°	458.3	454.0	437.1	407.4	373.6	336.3	289.7	282.9	277.0	282.1	352.4
32.5°	554.0	553.1	530.3	494.7	453.2	382.9	343.9	330.4	316.0	358.3	409.1
35°	660.7	657.3	640.4	587.9	533.7	480.3	451.5	408.3	421.0	446.4	525.2
37.5°	744.6	744.6	721.7	675.1	650.6	606.5	569.2	562.5	543.0	580.2	673.4
40°	792.0	797.1	802.2	786.1	762.4	743.7	723.4	709.8	717.5	735.3	830.1
42.5°	869.9	879.3	895.4	887.7	876.7	881.0	851.3	858.9	872.5	899.6	997.0
45°	983.5	991.1	1008.9	1022.4	1041.1	1030.9	975.0	1014.8	1043.6	1061.4	1164.7
47.5°	1096.1	1110.5	1134.2	1154.6	1184.2	1174.0	1142.7	1159.6	1188.4	1207.1	1326.5
50°	1194.4	1207.9	1233.3	1263.8	1276.5	1301.1	1289.2	1297.7	1331.6	1346.9	1463.7
52.5°	1268.1	1274.8	1296.9	1331.6	1345.2	1383.3	1388.4	1387.5	1453.6	1477.3	1599.3
55°	1307.0	1313.8	1335.0	1362.1	1379.9	1431.6	1426.5	1440.9	1539.1	1584.0	1737.4
57.5°	1314.7	1323.1	1340.1	1374.0	1388.4	1449.3	1437.5	1471.4	1600.1	1692.5	1883.9
60°	1300.3	1309.6	1324.0	1356.2	1376.5	1434.9	1452.7	1499.3	1662.0	1810.2	2071.1
62.5°	1238.4	1252.8	1261.3	1296.0	1315.5	1364.6	1446.0	1532.4	1730.6	1921.2	2270.2
65°	1143.6	1151.2	1163.0	1188.4	1211.3	1260.4	1368.9	1494.2	1748.4	1990.6	2386.2
66°	1099.5	1106.3	1115.6	1138.5	1163.0	1208.8	1307.0	1430.7	1709.4	1987.2	2389.6
67.5°	1013.9	1017.3	1034.3	1052.1	1079.2	1108.0	1183.4	1306.2	1594.2	1901.7	2326.1
70°	684.4	695.4	742.0	803.9	842.0	837.8	885.2	993.6	1247.7	1545.9	2006.7
72.5°	321.9	325.3	331.2	355.8	496.4	525.2	558.2	651.4	842.8	1076.6	1464.6
75°	263.4	266.8	277.0	289.7	319.3	354.1	365.9	402.4	541.3	667.5	895.4
77.5°	89.8	92.3	99.1	117.7	180.4	226.2	266.8	332.1	407.4	474.4	587.0
80°	37.3	39.8	43.2	39.8	46.6	77.1	97.4	142.3	248.2	364.2	465.0
82.5°	20.3	21.2	23.7	22.0	27.1	35.6	38.1	41.5	60.1	122.0	260.9
85°	5.9	5.9	6.8	11.0	16.1	23.7	23.7	22.9	22.9	34.7	65.2
87.5°	1.7	1.7	2.5	3.4	5.1	8.5	10.2	10.2	11.0	14.4	21.2
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):

	55°	60°	64°	65°	70°	75°	80°	85°	90°	95°	100°
0°	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
2.5°	40.7	40.7	40.7	40.7	39.8	39.8	37.3	33.9	30.5	27.1	24.6
5°	45.7	43.2	42.4	42.4	39.8	39.8	39.0	36.4	28.0	23.7	21.2
7.5°	51.7	48.3	46.6	46.6	44.0	40.7	39.0	37.3	28.8	22.9	20.3
10°	81.3	67.8	58.4	55.9	52.5	48.3	45.7	45.7	33.9	27.1	24.6
12.5°	99.1	94.0	88.1	83.9	61.0	55.1	52.5	45.7	35.6	26.3	22.9
15°	113.5	105.9	99.1	97.4	96.6	73.7	63.5	57.6	41.5	33.9	28.0
17.5°	163.5	130.4	119.4	118.6	107.6	81.3	70.3	57.6	44.9	33.9	28.0
20°	172.8	160.1	142.3	145.7	147.4	128.8	100.8	78.8	59.3	44.9	33.9
22.5°	221.9	215.2	204.1	200.8	168.6	147.4	109.3	92.3	64.4	44.9	33.9
25°	254.1	249.9	264.3	261.7	243.1	205.0	149.9	110.1	80.5	51.7	38.1
27.5°	316.8	337.1	309.2	317.7	282.1	246.5	197.4	136.4	85.6	54.2	39.0
30°	360.0	388.8	407.4	402.4	356.6	287.2	219.4	154.2	93.2	54.2	40.7
32.5°	452.3	471.8	475.2	465.0	437.9	362.5	262.6	177.0	97.4	55.9	43.2
35°	537.9	587.0	586.2	587.9	533.7	446.4	317.7	190.6	104.2	55.9	43.2
37.5°	703.1	730.2	726.8	725.9	665.8	545.5	374.4	230.4	111.8	55.9	42.4
40°	862.3	895.4	894.5	885.2	821.7	664.1	470.1	262.6	119.4	57.6	39.8
42.5°	1016.5	1031.7	1057.2	1060.5	952.1	800.5	567.5	306.6	127.9	59.3	38.1
45°	1177.4	1160.5	1208.8	1205.4	1105.4	945.3	650.6	358.3	141.5	57.6	35.6
47.5°	1340.1	1336.7	1378.2	1347.7	1273.2	1118.1	769.1	413.4	149.9	55.1	33.0
50°	1484.1	1511.2	1514.6	1469.7	1431.6	1287.6	925.9	487.1	166.9	50.8	31.3
52.5°	1610.3	1654.3	1610.3	1601.0	1599.3	1422.2	1058.0	553.1	183.0	46.6	28.8
55°	1767.8	1800.0	1776.3	1779.7	1796.6	1651.0	1220.6	675.1	210.9	42.4	26.3
57.5°	1969.5	2033.8	2020.3	2079.6	2083.0	1974.5	1451.9	814.0	244.0	39.0	23.7
60°	2237.1	2395.5	2472.6	2538.7	2462.4	2326.9	1708.6	929.2	270.2	35.6	21.2
62.5°	2544.6	2805.5	2942.7	3017.3	2807.2	2517.5	1812.7	978.4	276.1	31.3	18.6
65°	2720.8	3046.9	3229.9	3235.0	3034.2	2575.1	1828.0	976.7	270.2	27.1	16.1
66°	2736.9	3078.3	3258.7	3243.5	3074.9	2581.9	1817.8	961.4	264.3	25.4	15.2
67.5°	2678.5	3019.8	3198.6	3169.8	3050.3	2543.8	1750.9	922.5	252.4	22.9	14.4
70°	2373.5	2680.1	2861.4	2822.5	2830.9	2319.3	1469.7	786.9	220.2	18.6	12.7
72.5°	1871.2	2215.9	2295.6	2266.8	2318.4	1715.3	1038.5	552.3	164.3	15.2	11.0
75°	1255.4	1600.1	1655.2	1632.3	1469.7	864.0	412.5	232.9	85.6	12.7	9.3
77.5°	756.4	1008.0	993.6	996.2	786.9	350.7	77.9	54.2	28.8	10.2	6.8
80°	553.1	699.7	728.5	746.3	617.5	229.6	43.2	32.2	16.9	7.6	5.1
82.5°	449.0	626.8	697.1	703.9	559.1	182.1	33.0	25.4	12.7	5.9	3.4
85°	122.8	320.2	395.6	375.3	238.0	61.8	23.7	16.9	8.5	4.2	3.4
87.5°	28.8	72.8	92.3	94.9	67.8	22.9	20.3	16.1	5.9	3.4	3.4
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
2.5°	23.7	22.9	22.0	21.2	21.2	20.3	20.3	20.3	19.5	20.3	20.3
5°	20.3	19.5	18.6	17.8	16.9	16.9	16.9	17.8	18.6	18.6	18.6
7.5°	19.5	17.8	16.9	16.9	16.9	11.9	8.5	7.6	7.6	7.6	8.5
10°	20.3	17.8	18.6	10.2	6.8	6.8	6.8	6.8	6.8	9.3	11.0
12.5°	21.2	19.5	11.0	10.2	9.3	8.5	10.2	9.3	9.3	10.2	10.2
15°	24.6	15.2	11.9	10.2	11.9	12.7	11.9	11.0	9.3	9.3	11.0
17.5°	20.3	15.2	13.6	15.2	15.2	12.7	11.0	12.7	12.7	11.9	11.0
20°	24.6	21.2	18.6	16.1	14.4	13.6	14.4	12.7	11.9	11.9	12.7
22.5°	26.3	22.9	23.7	21.2	19.5	15.2	14.4	12.7	13.6	12.7	12.7
25°	32.2	32.2	28.0	22.0	20.3	17.8	16.9	13.6	13.6	11.9	12.7
27.5°	34.7	31.3	28.0	25.4	22.9	17.8	16.9	14.4	12.7	12.7	11.0
30°	36.4	32.2	28.8	25.4	22.0	19.5	16.9	14.4	12.7	11.9	11.9
32.5°	39.0	33.9	28.0	23.7	21.2	17.8	16.9	13.6	11.9	10.2	10.2
35°	36.4	31.3	27.1	23.7	19.5	16.9	15.2	12.7	10.2	10.2	9.3
37.5°	33.9	28.8	24.6	22.0	18.6	15.2	13.6	11.0	9.3	8.5	8.5
40°	32.2	27.1	22.9	19.5	16.1	13.6	11.9	9.3	7.6	6.8	6.8
42.5°	29.6	24.6	20.3	16.9	14.4	11.9	10.2	7.6	5.9	5.1	5.1
45°	28.0	22.9	18.6	15.2	11.9	10.2	7.6	5.9	4.2	3.4	3.4
47.5°	26.3	21.2	16.1	12.7	10.2	8.5	5.9	4.2	2.5	2.5	1.7
50°	23.7	18.6	14.4	11.0	8.5	6.8	4.2	2.5	1.7	0.8	0.8
52.5°	22.0	16.1	12.7	9.3	6.8	5.1	3.4	1.7	0.8	0.8	0.8
55°	19.5	14.4	11.0	7.6	5.9	3.4	1.7	0.8	0.8	0.8	0.8
57.5°	16.9	11.9	9.3	6.8	4.2	2.5	1.7	0.8	0.8	0.8	0.0
60°	14.4	10.2	7.6	5.1	3.4	1.7	0.8	0.8	0.8	0.8	0.0
62.5°	12.7	8.5	5.9	4.2	2.5	1.7	0.8	0.8	0.8	0.8	0.0
65°	11.0	6.8	5.1	3.4	1.7	1.7	0.8	0.8	0.8	0.8	0.0
66°	10.2	6.8	4.2	2.5	1.7	1.7	0.8	0.8	0.8	0.8	0.0
67.5°	9.3	5.9	4.2	2.5	1.7	1.7	0.8	0.8	0.8	0.8	0.8
70°	8.5	5.1	3.4	2.5	1.7	0.8	0.8	0.8	0.8	0.8	0.8
72.5°	7.6	4.2	2.5	2.5	1.7	1.7	0.8	0.8	0.8	0.8	0.8
75°	5.1	2.5	2.5	1.7	1.7	1.7	0.8	1.7	1.7	1.7	1.7
77.5°	3.4	2.5	1.7	1.7	1.7	1.7	0.8	1.7	1.7	1.7	1.7
80°	3.4	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	3.4	3.4	0.8	3.4	3.4	2.5	2.5
85°	2.5	2.5	2.5	3.4	3.4	4.2	0.8	3.4	3.4	3.4	3.4
87.5°	2.5	3.4	3.4	3.4	4.2	4.2	1.7	4.2	4.2	4.2	3.4
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):

	160°	165°	170°	175°	180°
0°	31.3	31.3	31.3	31.3	31.3
2.5°	20.3	21.2	21.2	22.0	22.0
5°	16.9	16.9	15.2	15.2	14.4
7.5°	8.5	8.5	9.3	9.3	9.3
10°	11.9	12.7	12.7	12.7	13.6
12.5°	10.2	11.0	11.9	11.9	11.9
15°	11.9	12.7	13.6	13.6	13.6
17.5°	11.0	11.0	11.9	11.9	12.7
20°	12.7	12.7	12.7	12.7	12.7
22.5°	11.0	11.0	12.7	13.6	13.6
25°	12.7	11.9	11.9	12.7	11.9
27.5°	11.0	11.9	12.7	12.7	12.7
30°	11.0	11.0	11.0	11.0	11.9
32.5°	11.0	11.0	11.0	11.0	11.0
35°	9.3	10.2	10.2	11.0	11.0
37.5°	8.5	8.5	9.3	9.3	9.3
40°	6.8	6.8	6.8	7.6	7.6
42.5°	5.1	5.1	5.1	5.9	5.1
45°	3.4	3.4	3.4	3.4	3.4
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	3.4	3.4	1.7
87.5°	3.4	3.4	3.4	3.4	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)