

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: P179329

Luminaire Tested: **UTLD-E02-LED-E-U-T2-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179329
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-E02-LED-E-U-T2-HSS-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2630 lumens
Efficiency: N/A
Efficacy: 50.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 52.1
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



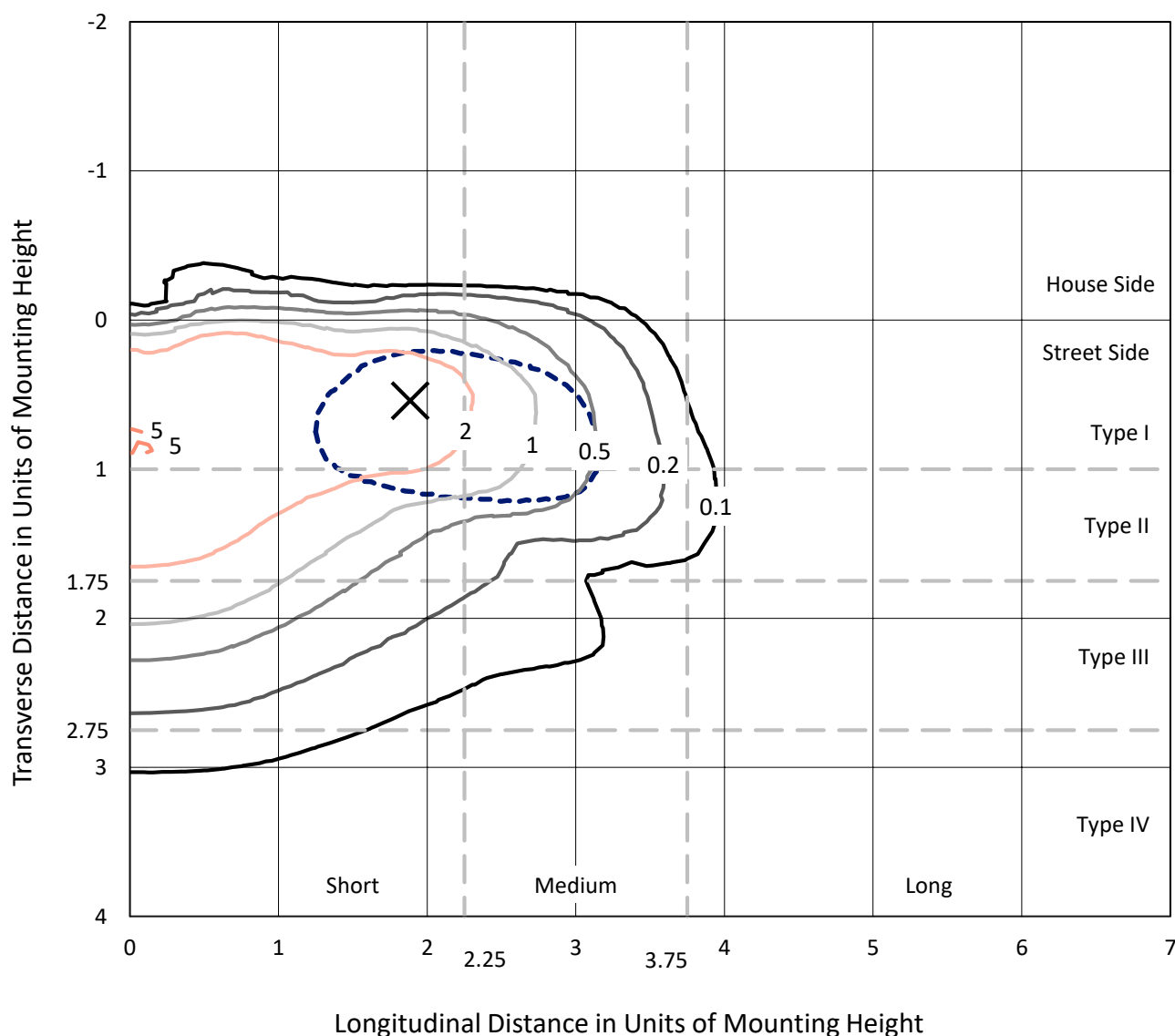
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

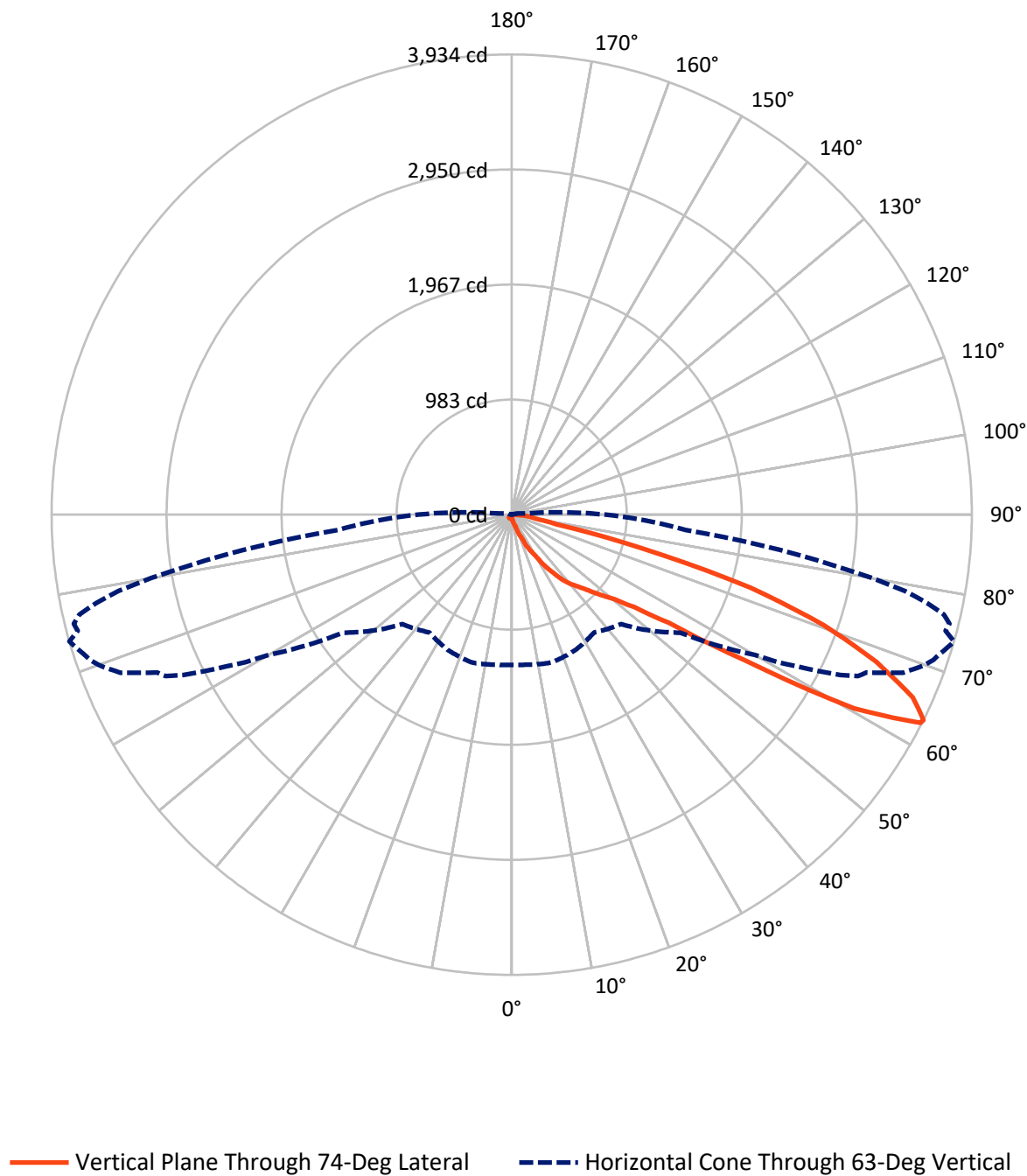


Based on 10 foot mounting height. Maximum calculated value = 5.1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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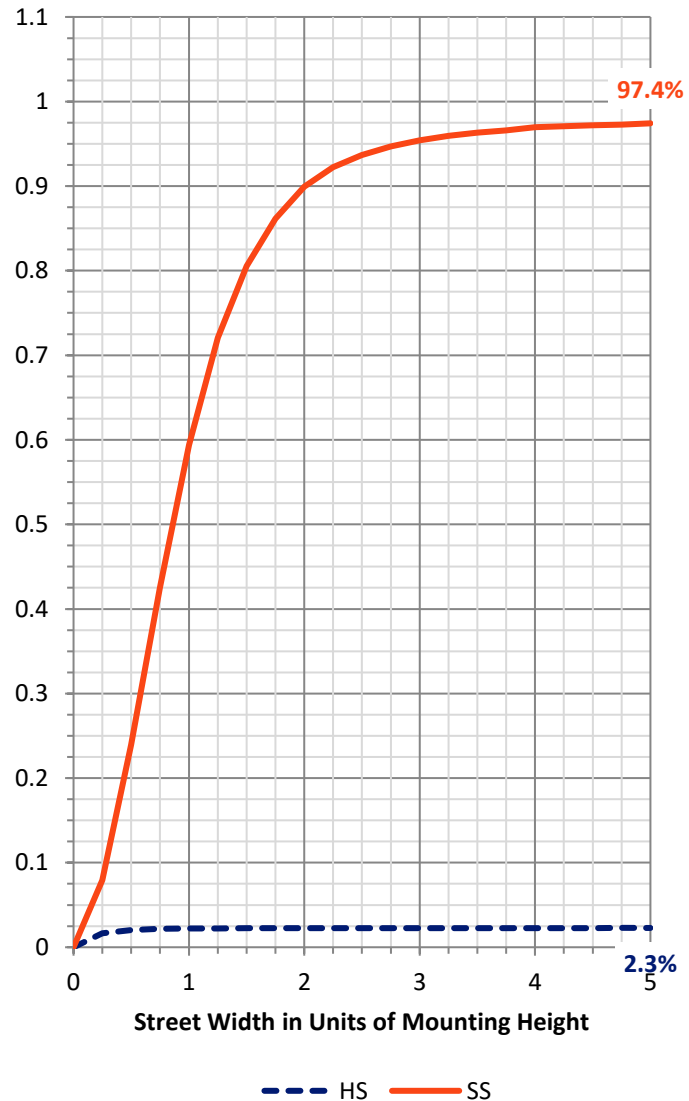
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	61.0	0.0	61.0
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	2569.0	0.0	2569.0
	% Fixture	97.7	0.0	97.7
Total	Lumens	2630.0	0.0	2630.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.3	0.2
10°-20°	30.3	1.2
20°-30°	98.2	3.7
30°-40°	234.6	8.9
40°-50°	440.6	16.8
50°-60°	692.5	26.3
60°-70°	813.4	30.9
70°-80°	279.3	10.6
80°-90°	37.0	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°	2630.0	100.0
0°-180°	2630.0	100.0

Coefficient of Utilization



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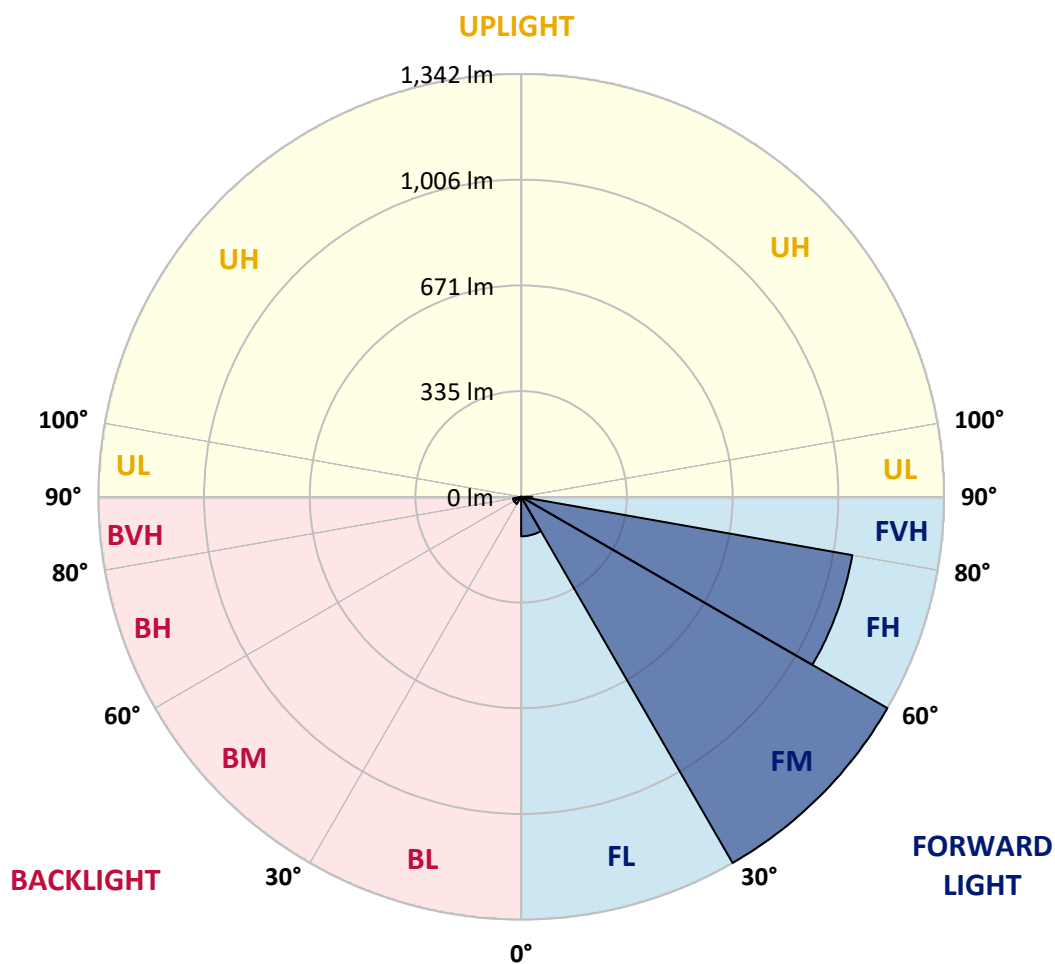
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	125.3	4.8			
FM	(30°-60°)	1341.5	51.0			
FH	(60°-80°)	1066.8	40.6			G1/1800
FVH	(80°-90°)	35.4	1.3			G1/100
BL	(0°-30°)	7.5	0.3	B0/110		
BM	(30°-60°)	26.1	1.0	B0/220		
BH	(60°-80°)	25.8	1.0	B0/110		G0/110
BVH	(80°-90°)	1.6	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°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
2.5°	50.2	49.3	47.5	45.7	44.8	42.9	42.0	40.2	40.2	39.3	40.2
5°	73.1	69.4	65.8	63.0	60.3	57.5	52.1	48.4	47.5	47.5	45.7
7.5°	137.9	132.4	128.8	123.3	113.3	85.9	63.9	59.4	58.5	57.5	55.7
10°	157.1	156.2	154.4	148.0	139.7	125.1	110.5	75.8	74.0	71.2	72.2
12.5°	225.6	222.9	224.7	212.8	195.5	159.8	145.2	129.7	126.0	123.3	113.3
15°	308.7	304.1	245.7	237.5	221.9	220.1	167.1	149.8	146.1	139.7	133.3
17.5°	327.0	329.7	325.2	306.0	272.2	243.9	238.4	190.0	184.5	181.8	174.4
20°	421.1	421.1	402.8	332.5	333.4	305.1	275.8	242.0	218.3	212.8	220.1
22.5°	434.8	436.6	431.1	436.6	358.0	360.8	363.5	343.4	335.2	325.2	312.4
25°	508.7	511.5	498.7	447.5	463.1	419.2	421.1	395.5	382.7	403.7	400.0
27.5°	578.2	580.0	506.9	506.0	489.6	505.1	527.0	504.2	497.8	488.6	471.3
30°	608.3	611.9	589.1	611.0	582.7	549.8	578.2	611.0	604.6	589.1	593.7
32.5°	738.9	740.7	727.9	657.6	655.8	656.7	698.7	675.9	667.7	649.4	652.1
35°	899.7	898.7	798.3	781.8	736.2	764.5	766.3	788.2	759.9	780.0	760.8
37.5°	1028.4	1023.0	957.2	939.8	879.6	854.9	872.2	856.7	837.5	854.0	847.6
40°	1141.7	1147.2	1117.0	1047.6	1012.9	976.4	971.8	928.9	947.1	933.4	931.6
42.5°	1231.2	1240.3	1222.1	1155.4	1107.0	1100.6	1081.4	1028.4	1057.7	1032.1	1035.7
45°	1341.7	1339.0	1305.2	1235.8	1202.9	1211.1	1223.0	1181.9	1183.7	1174.6	1153.6
47.5°	1446.7	1445.8	1424.8	1327.1	1286.0	1307.0	1375.5	1366.4	1332.6	1346.3	1297.9
50°	1536.3	1537.2	1512.5	1403.8	1351.8	1401.1	1534.4	1545.4	1528.9	1533.5	1476.9
52.5°	1567.3	1569.1	1558.2	1447.7	1393.8	1468.7	1663.2	1719.8	1736.3	1740.8	1678.7
55°	1536.3	1542.6	1539.9	1444.0	1392.9	1498.8	1775.6	1890.6	1933.6	1957.3	1919.9
57.5°	1477.8	1483.3	1494.2	1434.0	1383.7	1508.9	1875.1	2124.5	2201.2	2250.5	2263.3
60°	1409.3	1415.7	1448.6	1423.0	1370.0	1491.5	1928.1	2335.4	2472.4	2581.1	2752.8
62.5°	1316.1	1322.5	1349.9	1324.4	1267.7	1370.0	1809.3	2393.9	2584.8	2740.1	3059.7
63°	1284.2	1287.8	1308.8	1279.6	1228.5	1322.5	1758.2	2397.5	2600.3	2762.9	3124.6
65°	1010.2	1017.5	1041.2	1010.2	999.2	1093.3	1466.8	2279.7	2559.2	2735.5	3180.3
67.5°	551.7	560.8	596.4	582.7	645.7	751.7	972.7	1664.1	2046.8	2297.1	2804.0
70°	401.0	401.0	431.1	440.2	471.3	553.5	642.1	845.8	1068.6	1360.0	2007.5
72.5°	291.4	297.8	323.3	348.9	393.7	493.2	633.0	491.4	506.0	596.4	1056.7
75°	145.2	158.0	186.3	216.5	263.0	375.4	670.4	509.6	463.1	451.2	539.8
77.5°	33.8	34.7	56.6	111.4	134.3	215.6	530.7	622.9	560.8	530.7	474.9
80°	17.4	18.3	22.8	55.7	61.2	77.6	278.6	657.6	664.9	646.7	533.4
82.5°	9.1	9.1	13.7	23.7	23.7	27.4	79.5	400.0	554.4	629.3	615.6
85°	3.7	3.7	8.2	11.9	12.8	11.9	21.9	157.1	277.7	360.8	483.2
87.5°	0.9	0.9	2.7	4.6	5.5	6.4	10.0	29.2	48.4	66.7	111.4
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
2.5°	39.3	39.3	39.3	38.4	38.4	38.4	38.4	37.4	37.4	37.4	34.7
5°	44.8	44.8	43.8	42.9	42.9	42.0	42.0	42.0	41.1	41.1	40.2
7.5°	54.8	53.9	53.0	51.1	50.2	49.3	49.3	47.5	46.6	45.7	44.8
10°	72.2	71.2	68.5	66.7	64.8	63.0	61.2	60.3	58.5	57.5	55.7
12.5°	98.6	85.9	83.1	80.4	76.7	74.0	72.2	70.3	69.4	66.7	67.6
15°	142.5	139.7	137.0	135.2	130.6	110.5	102.3	100.5	96.8	94.1	90.4
17.5°	172.6	169.9	163.5	153.4	151.6	148.0	143.4	138.8	116.9	105.9	102.3
20°	223.8	219.2	225.6	223.8	216.5	209.2	200.9	196.4	190.9	180.8	164.4
22.5°	280.4	280.4	272.2	266.7	257.6	245.7	244.8	234.7	215.6	208.2	205.5
25°	400.0	405.5	389.1	368.1	366.3	355.3	328.8	315.1	306.0	295.9	291.4
27.5°	474.9	457.6	442.1	441.1	430.2	396.4	381.8	374.5	379.0	355.3	340.7
30°	574.5	561.7	558.1	541.6	521.5	496.9	492.3	482.2	456.7	422.9	403.7
32.5°	643.0	649.4	661.3	643.0	619.3	612.9	610.1	582.7	548.0	525.2	503.3
35°	771.8	762.6	745.3	717.0	709.7	709.7	689.6	648.5	623.8	609.2	603.7
37.5°	845.8	832.1	806.5	792.8	796.4	790.0	743.5	720.6	709.7	706.0	670.4
40°	925.2	898.7	875.9	879.6	887.8	842.1	816.5	803.7	807.4	778.2	733.4
42.5°	1014.7	980.0	968.2	989.2	946.2	912.4	892.3	899.7	884.1	842.1	812.9
45°	1117.9	1083.2	1090.5	1084.1	1031.2	1000.1	1002.9	987.3	958.1	926.1	897.8
47.5°	1241.2	1223.9	1245.8	1181.9	1136.2	1126.2	1119.8	1088.7	1050.4	1024.8	998.3
50°	1423.9	1433.0	1413.0	1337.1	1295.1	1292.4	1255.9	1210.2	1179.1	1136.2	1095.1
52.5°	1666.9	1693.4	1633.1	1572.8	1547.2	1528.0	1467.8	1415.7	1363.6	1311.6	1250.4
55°	1929.0	1981.1	1913.5	1886.1	1877.8	1889.7	1818.5	1765.5	1701.6	1629.4	1554.5
57.5°	2367.4	2381.1	2336.4	2374.7	2404.9	2409.4	2427.7	2388.4	2363.8	2342.7	2269.7
60°	2930.0	2953.8	2995.8	3131.0	3185.8	3263.4	3282.6	3333.7	3344.7	3363.0	3303.6
62.5°	3229.6	3281.7	3415.9	3574.9	3644.3	3718.2	3777.6	3824.2	3860.7	3920.1	3816.9
63°	3265.2	3318.2	3459.8	3608.6	3681.7	3757.5	3813.2	3849.8	3891.8	3933.8	3839.7
65°	3259.7	3318.2	3498.1	3577.6	3656.1	3698.2	3748.4	3751.1	3828.8	3769.4	3759.4
67.5°	2890.8	3045.1	3171.2	3257.0	3323.7	3356.6	3377.6	3403.1	3455.2	3362.0	3414.1
70°	2267.8	2465.1	2577.5	2683.4	2769.3	2793.9	2812.2	2892.6	2821.3	2829.6	2814.9
72.5°	1290.6	1596.5	1787.4	1901.6	2043.2	2068.7	2111.7	2179.3	2087.9	2134.5	2093.4
75°	692.3	812.0	978.2	1095.1	1151.7	1206.5	1259.5	1219.3	1193.7	1138.0	1127.1
77.5°	498.7	511.5	525.2	515.1	500.5	496.9	474.0	430.2	418.3	383.6	366.3
80°	499.6	452.1	397.3	327.9	254.8	221.9	208.2	203.7	203.7	203.7	191.8
82.5°	565.4	506.0	435.7	348.9	270.4	212.8	176.3	170.8	167.1	167.1	156.2
85°	459.4	453.0	401.9	321.5	252.1	190.9	148.0	120.6	110.5	98.6	94.1
87.5°	111.4	116.0	101.4	88.6	74.0	58.5	51.1	41.1	34.7	32.0	30.1
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):

	76°	77°	78°	79°	80°	85°	95°	105°	115°	125°	135°
0°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
2.5°	34.7	33.8	32.9	32.9	32.0	27.4	23.7	21.0	19.2	18.3	17.4
5°	40.2	39.3	39.3	38.4	38.4	31.1	21.0	18.3	16.4	14.6	14.6
7.5°	43.8	42.9	42.9	42.0	41.1	37.4	21.0	17.4	13.7	14.6	7.3
10°	54.8	53.9	52.1	51.1	50.2	47.5	25.6	18.3	16.4	6.4	5.5
12.5°	66.7	63.9	62.1	60.3	56.6	48.4	25.6	19.2	10.0	8.2	9.1
15°	85.9	82.2	78.5	75.8	73.1	63.0	33.8	23.7	11.0	10.0	10.0
17.5°	97.7	93.2	89.5	88.6	86.8	63.0	32.9	16.4	12.8	12.8	10.0
20°	149.8	148.9	140.7	130.6	121.5	93.2	44.8	21.0	17.4	12.8	12.8
22.5°	196.4	172.6	160.7	146.1	137.9	111.4	45.7	22.8	20.1	15.5	11.9
25°	268.5	243.0	229.3	209.2	201.9	139.7	50.2	29.2	22.8	16.4	13.7
27.5°	327.0	308.7	300.5	290.4	265.8	173.5	58.5	31.1	22.8	18.3	13.7
30°	380.9	381.8	357.1	326.1	301.4	207.3	62.1	33.8	23.7	17.4	13.7
32.5°	500.5	471.3	429.3	401.9	376.3	238.4	67.6	36.5	22.8	17.4	13.7
35°	569.9	525.2	501.4	476.8	443.9	284.1	74.0	35.6	22.8	16.4	12.8
37.5°	626.6	592.8	569.0	533.4	498.7	318.8	77.6	32.9	21.9	15.5	11.0
40°	697.8	674.1	631.1	600.1	564.5	333.4	80.4	30.1	20.1	13.7	9.1
42.5°	780.9	746.2	706.0	676.8	616.5	379.0	88.6	28.3	18.3	11.9	8.2
45°	867.7	822.9	797.4	736.2	665.8	411.9	95.0	27.4	16.4	10.0	6.4
47.5°	949.0	921.6	865.9	788.2	756.3	463.1	93.2	25.6	14.6	8.2	4.6
50°	1061.3	1023.9	948.1	904.2	852.2	504.2	90.4	24.7	12.8	7.3	3.7
52.5°	1218.4	1138.9	1079.6	1029.3	941.7	561.7	88.6	22.8	11.0	5.5	1.8
55°	1472.3	1348.1	1275.0	1181.0	1085.1	629.3	84.0	20.1	10.0	4.6	1.8
57.5°	2087.9	1953.7	1796.6	1617.5	1446.7	787.3	82.2	18.3	8.2	2.7	0.9
60°	3179.4	3091.7	2860.6	2571.1	2329.0	1107.9	88.6	15.5	6.4	1.8	0.9
62.5°	3816.0	3735.6	3571.2	3362.0	3036.9	1444.0	99.6	12.8	4.6	1.8	0.9
63°	3857.1	3792.2	3630.6	3425.1	3131.9	1490.6	105.0	12.8	4.6	1.8	0.9
65°	3780.4	3723.7	3633.3	3473.5	3282.6	1625.8	121.5	11.9	3.7	1.8	0.9
67.5°	3394.9	3334.6	3272.5	3205.9	3069.8	1669.6	133.3	11.0	2.7	1.8	0.9
70°	2807.6	2752.8	2685.2	2656.0	2582.0	1560.9	139.7	10.0	2.7	1.8	0.9
72.5°	2049.6	1986.5	1931.7	1852.3	1781.9	1181.0	103.2	10.0	1.8	1.8	0.9
75°	1041.2	975.5	848.5	789.1	727.9	495.0	42.0	8.2	1.8	1.8	0.9
77.5°	304.1	273.1	221.0	179.0	136.1	88.6	15.5	5.5	1.8	1.8	0.9
80°	179.9	152.5	126.0	99.6	80.4	42.9	9.1	3.7	1.8	2.7	0.9
82.5°	147.0	131.5	108.7	89.5	70.3	32.0	6.4	3.7	2.7	2.7	0.9
85°	84.9	76.7	64.8	52.1	43.8	22.8	4.6	3.7	2.7	3.7	0.9
87.5°	31.1	28.3	26.5	25.6	23.7	16.4	4.6	4.6	3.7	4.6	0.9
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):

	145°	155°	165°	175°	180°
0°	25.6	25.6	25.6	25.6	25.6
2.5°	16.4	17.4	17.4	17.4	17.4
5°	15.5	15.5	13.7	11.0	11.0
7.5°	6.4	7.3	7.3	7.3	7.3
10°	5.5	9.1	10.0	10.0	10.0
12.5°	8.2	8.2	9.1	9.1	10.0
15°	8.2	10.0	11.0	11.0	11.0
17.5°	11.0	9.1	10.0	10.0	11.0
20°	10.0	11.0	11.0	11.0	11.0
22.5°	11.9	11.0	10.0	11.0	11.0
25°	11.0	11.0	10.0	10.0	10.0
27.5°	11.0	10.0	10.0	10.0	10.0
30°	11.0	10.0	9.1	9.1	9.1
32.5°	10.0	9.1	9.1	8.2	8.2
35°	9.1	7.3	8.2	8.2	8.2
37.5°	8.2	6.4	6.4	7.3	6.4
40°	6.4	5.5	4.6	5.5	5.5
42.5°	4.6	3.7	3.7	3.7	3.7
45°	3.7	1.8	1.8	1.8	1.8
47.5°	1.8	0.9	0.9	0.9	0.9
50°	0.9	0.0	0.0	0.0	0.0
52.5°	0.9	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°	0.9	0.9	0.9	0.0	0.0
75°	0.9	0.9	0.9	0.9	0.9
77.5°	1.8	1.8	1.8	0.9	0.9
80°	2.7	1.8	1.8	0.9	0.9
82.5°	2.7	2.7	2.7	1.8	0.9
85°	3.7	2.7	2.7	2.7	0.9
87.5°	4.6	3.7	3.7	2.7	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)