

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: P157174

Luminaire Tested: **UTLD-F03-LED-E-U-T3-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157174
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33662)
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-T3-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6097.1 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B2 - 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

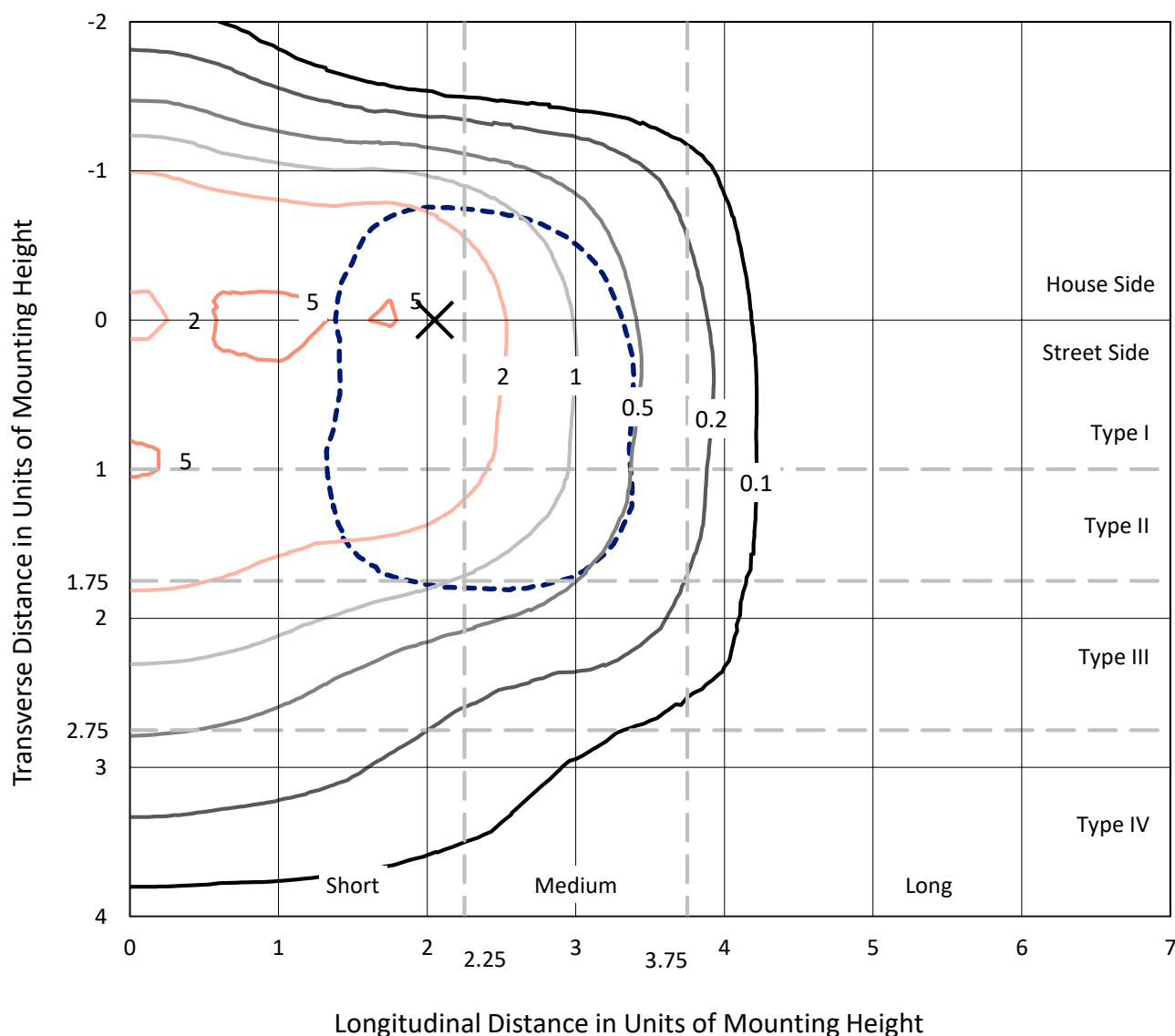


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

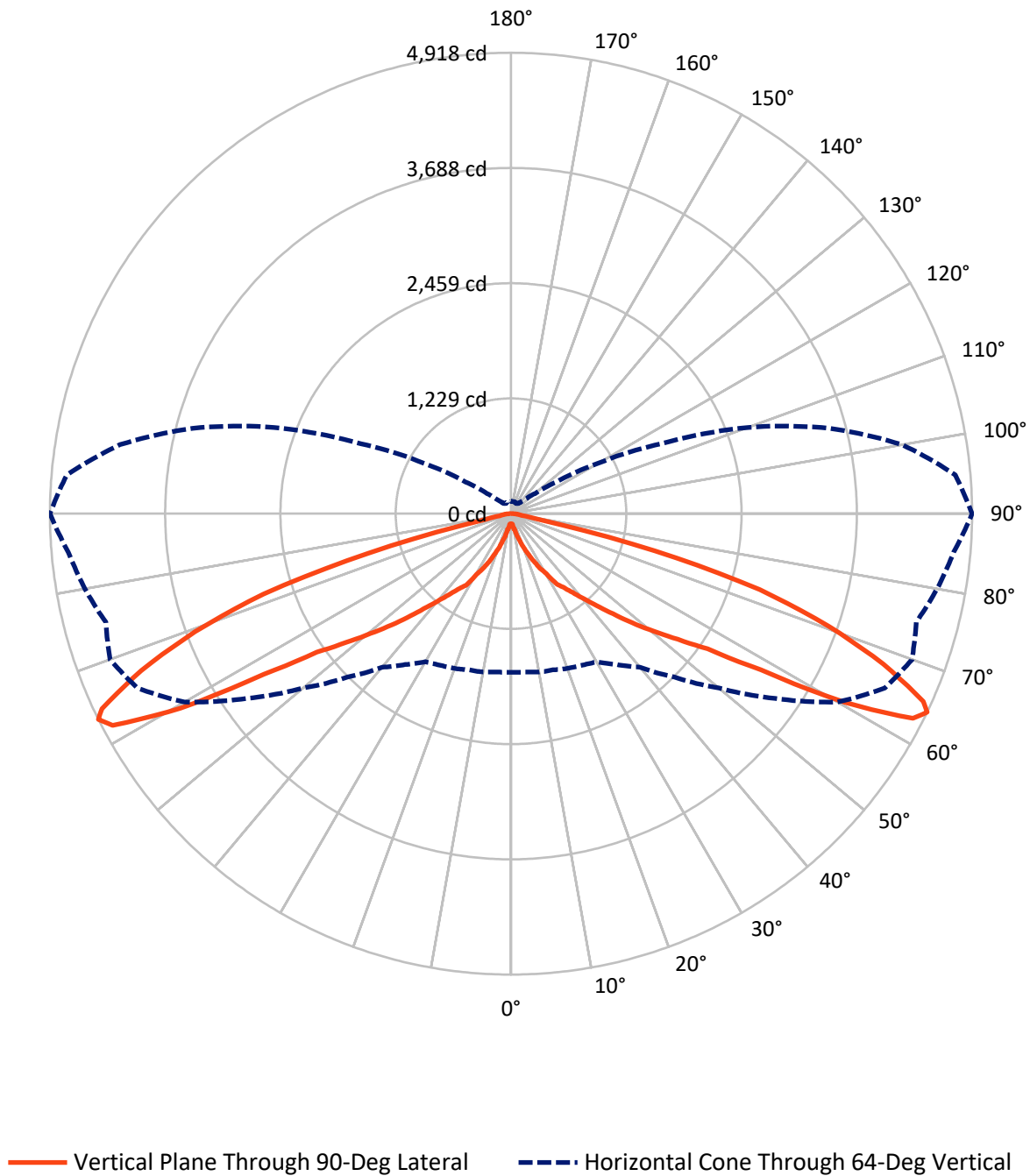


Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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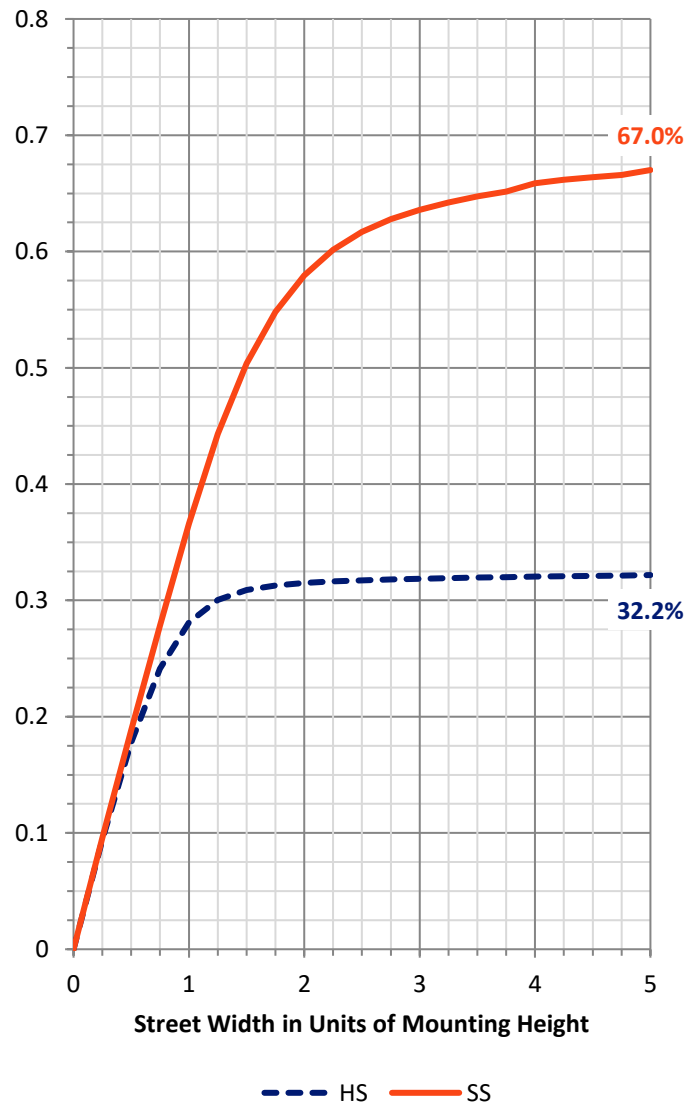
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1981.5	0.0	1981.5
	% Fixture	32.5	0.0	32.5
Street Side	Lumens	4115.6	0.0	4115.6
	% Fixture	67.5	0.0	67.5
Total	Lumens	6097.1	0.0	6097.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.9	0.2
10°-20°	80.1	1.3
20°-30°	236.1	3.9
30°-40°	498.9	8.2
40°-50°	874.7	14.3
50°-60°	1392.9	22.8
60°-70°	1953.3	32.0
70°-80°	884.7	14.5
80°-90°	161.6	2.6
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°	6097.1	100.0
0°-180°	6097.1	100.0

Coefficient of Utilization



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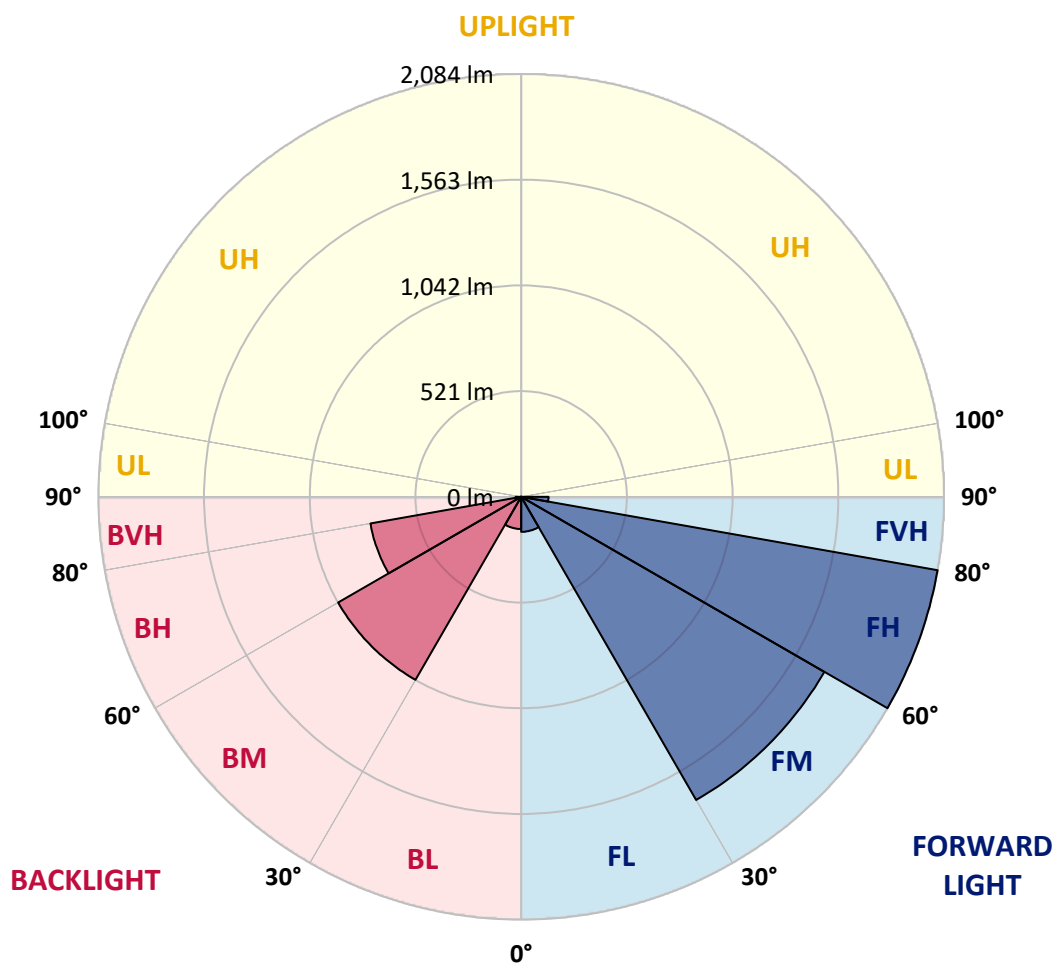
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	172.5	2.8			
FM	(30°-60°)	1725.0	28.3			
FH	(60°-80°)	2083.6	34.2			G2/5000
FVH	(80°-90°)	134.6	2.2			G2/225
BL	(0°-30°)	158.6	2.6	B1/500		
BM	(30°-60°)	1041.5	17.1	B2/2500		
BH	(60°-80°)	754.5	12.4	B2/1000		G2/1000
BVH	(80°-90°)	27.0	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0
2.5°	176.4	178.7	177.6	178.7	179.8	178.7	178.7	177.6	178.7	179.8	179.8
5°	143.6	144.8	144.8	143.6	144.8	144.8	144.8	144.8	144.8	144.8	144.8
7.5°	214.9	216.0	217.2	214.9	214.9	216.0	213.8	183.2	148.2	145.9	143.6
10°	214.9	216.0	216.0	213.8	214.9	216.0	216.0	214.9	208.1	207.0	207.0
12.5°	276.0	277.1	278.2	278.2	278.2	270.3	260.1	218.3	212.6	268.0	272.6
15°	279.4	279.4	279.4	274.8	274.8	270.3	273.7	323.5	320.1	281.6	277.1
17.5°	343.8	343.8	343.8	342.7	334.8	334.8	337.0	325.7	326.9	328.0	386.8
20°	418.5	420.7	390.2	357.4	345.0	384.5	385.7	378.9	416.2	371.0	390.2
22.5°	437.7	437.7	436.6	426.4	428.6	455.8	438.8	424.1	433.2	409.4	442.2
25°	520.3	520.3	513.5	504.4	490.8	478.4	492.0	489.7	469.4	467.1	521.4
27.5°	557.6	541.7	538.4	527.0	557.6	550.8	562.1	511.2	554.2	544.0	573.4
30°	640.1	639.0	627.7	637.9	637.9	611.9	591.5	615.3	624.3	605.1	671.8
32.5°	757.8	756.6	743.1	735.1	679.7	674.1	686.5	689.9	688.8	694.4	714.8
35°	885.6	884.4	809.8	795.1	774.7	770.2	769.1	751.0	772.5	745.3	799.6
37.5°	970.4	979.4	936.5	926.3	900.3	870.9	847.1	858.4	832.4	829.0	868.6
40°	1140.0	1143.4	1105.0	1073.3	1050.7	984.0	960.2	953.4	944.4	933.1	986.2
42.5°	1299.5	1295.0	1261.1	1236.2	1207.9	1143.4	1074.4	1066.5	1064.3	1054.1	1100.5
45°	1454.5	1457.8	1418.3	1407.0	1361.7	1321.0	1226.0	1227.1	1220.3	1209.0	1250.9
47.5°	1595.8	1603.7	1582.3	1547.2	1511.0	1478.2	1405.8	1401.3	1385.5	1388.9	1438.6
50°	1714.6	1729.3	1708.9	1682.9	1650.1	1627.5	1585.6	1575.5	1566.4	1575.5	1629.8
52.5°	1796.0	1808.5	1816.4	1783.6	1783.6	1754.2	1740.6	1730.4	1733.8	1761.0	1825.4
55°	1836.7	1848.0	1865.0	1842.4	1892.1	1849.2	1836.7	1851.4	1874.1	1922.7	2014.3
57.5°	1836.7	1843.5	1865.0	1869.5	1898.9	1868.4	1891.0	1922.7	1971.3	2056.1	2185.1
60°	1798.3	1803.9	1829.9	1833.3	1860.5	1853.7	1872.9	1963.4	2034.7	2174.9	2381.9
62.5°	1737.2	1740.6	1765.5	1772.3	1800.5	1814.1	1843.5	1974.7	2101.4	2345.7	2678.2
64°	1693.1	1695.4	1715.7	1725.9	1757.6	1783.6	1824.3	1965.7	2138.7	2465.6	2895.3
65°	1662.6	1662.6	1687.4	1692.0	1723.6	1757.6	1801.7	1944.2	2141.0	2510.8	2989.2
67.5°	1542.7	1537.0	1561.9	1573.2	1585.6	1612.8	1639.9	1788.1	2007.5	2439.5	2964.3
70°	1340.2	1326.7	1339.1	1330.0	1323.3	1310.8	1297.2	1400.2	1556.2	1990.5	2510.8
72.5°	939.9	939.9	929.7	951.2	967.0	982.8	928.5	941.0	1025.8	1306.3	1770.0
75°	631.1	637.9	656.0	708.0	758.9	805.3	823.4	824.5	753.2	774.7	1074.4
77.5°	374.4	389.1	402.6	463.7	529.3	626.6	712.5	796.2	815.4	804.1	778.1
80°	168.5	173.0	192.3	216.0	256.7	323.5	449.0	582.5	734.0	809.8	794.0
82.5°	57.7	63.3	75.8	90.5	107.4	136.8	203.6	274.8	419.6	594.9	739.7
85°	19.2	21.5	29.4	40.7	45.2	52.0	69.0	101.8	166.3	234.1	445.6
87.5°	7.9	10.2	13.6	20.4	22.6	22.6	23.8	30.5	30.5	30.5	122.1
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0
2.5°	148.2	136.8	121.0	117.6	113.1	112.0	110.8	110.8	109.7	110.8	110.8
5°	158.3	167.4	174.2	169.6	125.5	119.9	110.8	109.7	110.8	110.8	116.5
7.5°	143.6	143.6	136.8	157.2	158.3	117.6	108.6	110.8	112.0	113.1	131.2
10°	154.9	196.8	195.7	199.1	227.3	222.8	166.3	162.9	164.0	171.9	227.3
12.5°	276.0	255.6	201.3	210.4	208.1	230.7	177.6	170.8	175.3	218.3	212.6
15°	277.1	317.8	324.6	286.1	271.4	287.3	259.0	246.6	238.6	283.9	244.3
17.5°	329.1	325.7	332.5	306.5	289.5	285.0	312.2	305.4	292.9	272.6	253.3
20°	364.2	389.1	397.0	447.9	417.3	404.9	413.9	390.2	376.6	382.3	381.1
22.5°	446.7	481.8	455.8	466.0	475.0	506.7	495.4	459.2	468.2	470.5	455.8
25°	472.8	530.4	567.8	587.0	593.8	573.4	601.7	559.8	573.4	554.2	567.8
27.5°	585.9	589.2	618.7	611.9	658.2	682.0	680.9	658.2	663.9	675.2	689.9
30°	618.7	631.1	689.9	710.3	736.3	754.4	732.9	741.9	725.0	748.7	752.1
32.5°	721.6	710.3	731.8	817.7	877.6	908.2	877.6	895.7	876.5	884.4	844.8
35°	782.6	835.8	850.5	891.2	936.5	979.4	970.4	967.0	964.7	980.6	898.0
37.5°	908.2	919.5	927.4	979.4	1020.2	1076.7	1079.0	1066.5	1088.0	1042.8	971.5
40°	990.7	1008.8	1019.0	1054.1	1136.6	1181.9	1215.8	1190.9	1221.5	1131.0	1080.1
42.5°	1114.0	1106.1	1124.2	1178.5	1280.3	1307.4	1354.9	1339.1	1385.5	1288.2	1187.5
45°	1275.8	1269.0	1272.4	1307.4	1445.4	1464.6	1512.1	1524.6	1547.2	1426.2	1323.3
47.5°	1457.8	1461.2	1461.2	1496.3	1609.4	1647.9	1702.1	1739.5	1731.5	1573.2	1470.3
50°	1662.6	1678.4	1654.6	1703.3	1788.1	1857.1	1887.6	1967.9	1938.5	1777.9	1663.7
52.5°	1888.8	1914.8	1893.3	1934.0	2014.3	2101.4	2152.3	2228.1	2177.2	2042.6	1841.3
55°	2112.7	2157.9	2182.8	2226.9	2329.8	2412.4	2435.0	2542.5	2471.2	2338.9	2035.8
57.5°	2347.9	2444.1	2533.4	2593.4	2766.4	2862.5	2911.2	3144.2	3057.1	2916.8	2448.6
60°	2652.2	2944.0	3187.1	3321.7	3550.2	3648.6	3843.1	4089.7	4027.5	3820.5	3188.3
62.5°	3150.9	3670.1	4041.0	4214.1	4268.4	4396.2	4578.2	4811.2	4715.1	4237.8	3577.3
64°	3435.9	4021.8	4398.4	4551.1	4474.2	4614.4	4738.8	4917.5	4755.8	4234.4	3517.4
65°	3557.0	4153.0	4513.8	4658.5	4503.6	4619.0	4721.9	4833.9	4631.4	4123.6	3370.4
67.5°	3587.5	4162.0	4484.4	4570.3	4313.6	4279.7	4296.6	4285.3	4013.9	3550.2	2878.4
70°	3128.3	3679.1	4130.4	4240.1	3896.3	3714.2	3705.1	3596.5	3320.6	2955.3	2370.6
72.5°	2415.8	2896.5	3343.2	3491.4	3166.8	3023.1	2989.2	2775.4	2545.9	2207.7	1785.8
75°	1636.5	2025.6	2155.7	2164.7	1904.6	1827.7	1777.9	1584.5	1385.5	1240.7	1047.3
77.5°	961.3	1121.9	1003.2	883.3	692.2	490.8	365.3	304.2	332.5	331.4	312.2
80°	813.2	763.4	617.5	478.4	343.8	194.5	141.4	119.9	122.1	124.4	122.1
82.5°	874.3	930.8	789.4	561.0	420.7	247.7	119.9	86.0	98.4	108.6	104.1
85°	740.8	908.2	846.0	606.2	451.3	260.1	84.8	56.5	72.4	89.3	95.0
87.5°	287.3	419.6	340.4	234.1	157.2	87.1	49.8	40.7	50.9	71.3	78.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0
2.5°	112.0	115.4	121.0	121.0	117.6	121.0	136.8	156.1	167.4	176.4	186.6
5°	116.5	152.7	177.6	181.0	176.4	127.8	118.8	118.8	123.3	127.8	117.6
7.5°	162.9	154.9	108.6	115.4	116.5	117.6	116.5	119.9	121.0	160.6	183.2
10°	185.5	168.5	164.0	136.8	127.8	178.7	178.7	179.8	186.6	187.7	186.6
12.5°	181.0	173.0	174.2	231.9	249.9	238.6	193.4	178.7	186.6	213.8	239.8
15°	242.0	257.9	273.7	239.8	251.1	243.2	286.1	297.5	245.4	242.0	249.9
17.5°	257.9	311.0	313.3	299.7	338.2	302.0	294.1	297.5	292.9	271.4	306.5
20°	425.3	395.8	368.7	338.2	366.4	355.1	348.3	351.7	348.3	349.5	308.8
22.5°	451.3	438.8	462.6	450.1	424.1	395.8	407.2	400.4	363.0	402.6	372.1
25°	587.0	577.9	527.0	469.4	508.9	450.1	423.0	450.1	443.3	412.8	412.8
27.5°	617.5	615.3	606.2	616.4	541.7	510.1	542.9	464.8	469.4	479.5	477.3
30°	714.8	713.7	637.9	646.9	642.4	587.0	565.5	573.4	520.3	511.2	531.6
32.5°	818.8	751.0	730.6	737.4	684.2	648.1	636.7	592.6	572.3	562.1	529.3
35°	864.1	861.8	843.7	779.3	758.9	691.0	680.9	630.0	610.7	603.9	587.0
37.5°	924.0	921.8	902.5	868.6	820.0	739.7	704.6	670.7	627.7	600.6	622.0
40°	1004.3	987.4	968.1	912.7	846.0	773.6	723.8	665.0	637.9	611.9	642.4
42.5°	1146.8	1071.0	1023.5	953.4	864.1	777.0	721.6	665.0	613.0	605.1	609.6
45°	1272.4	1151.3	1069.9	979.4	872.0	770.2	700.1	635.6	599.4	568.9	567.8
47.5°	1382.1	1243.0	1112.9	999.8	867.5	752.1	668.4	599.4	554.2	524.8	511.2
50°	1485.0	1339.1	1157.0	1006.6	848.2	717.0	623.2	549.7	493.1	460.3	456.9
52.5°	1587.9	1407.0	1194.3	996.4	810.9	663.9	557.6	479.5	418.5	391.3	385.7
55°	1733.8	1445.4	1213.6	960.2	752.1	591.5	479.5	397.0	335.9	322.3	314.4
57.5°	2040.3	1570.9	1232.8	903.7	665.0	497.6	387.9	316.7	271.4	257.9	251.1
60°	2533.4	1810.7	1276.9	817.7	546.3	392.5	296.3	237.5	207.0	199.1	195.7
62.5°	2765.3	1874.1	1209.0	687.6	418.5	279.4	208.1	167.4	151.6	149.3	151.6
64°	2691.8	1766.6	1077.8	587.0	333.6	216.0	160.6	133.5	124.4	123.3	127.8
65°	2561.7	1644.5	978.3	518.0	277.1	178.7	134.6	115.4	108.6	110.8	114.2
67.5°	2116.1	1271.2	662.8	309.9	160.6	109.7	91.6	82.6	83.7	86.0	90.5
70°	1652.4	851.6	360.8	160.6	96.1	74.6	69.0	65.6	67.9	71.3	75.8
72.5°	1133.3	476.1	171.9	91.6	71.3	59.9	58.8	57.7	59.9	63.3	67.9
75°	593.8	199.1	97.3	72.4	62.2	54.3	55.4	54.3	56.5	59.9	63.3
77.5°	187.7	107.4	81.4	66.7	58.8	50.9	52.0	53.2	55.4	57.7	59.9
80°	101.8	89.3	73.5	62.2	55.4	47.5	49.8	50.9	54.3	55.4	55.4
82.5°	92.7	78.0	64.5	56.5	53.2	46.4	50.9	50.9	50.9	50.9	50.9
85°	81.4	63.3	53.2	49.8	49.8	44.1	47.5	47.5	45.2	45.2	43.0
87.5°	63.3	46.4	45.2	49.8	46.4	31.7	40.7	38.5	35.1	35.1	33.9
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):

	165°	170°	175°	180°
0°	112.0	112.0	112.0	112.0
2.5°	185.5	186.6	182.1	182.1
5°	116.5	117.6	116.5	116.5
7.5°	190.0	187.7	194.5	187.7
10°	191.1	185.5	184.4	185.5
12.5°	248.8	248.8	249.9	249.9
15°	248.8	247.7	249.9	248.8
17.5°	312.2	314.4	315.5	314.4
20°	315.5	316.7	325.7	318.9
22.5°	374.4	381.1	381.1	380.0
25°	390.2	440.0	450.1	449.0
27.5°	447.9	453.5	454.7	453.5
30°	510.1	512.3	518.0	515.7
32.5°	537.2	573.4	580.2	577.9
35°	582.5	572.3	596.0	619.8
37.5°	609.6	606.2	611.9	610.7
40°	634.5	640.1	646.9	641.3
42.5°	610.7	607.3	610.7	608.5
45°	562.1	563.2	561.0	558.7
47.5°	501.0	501.0	498.8	498.8
50°	436.6	438.8	429.8	430.9
52.5°	368.7	371.0	364.2	357.4
55°	305.4	306.5	297.5	295.2
57.5°	246.6	249.9	242.0	238.6
60°	195.7	196.8	194.5	194.5
62.5°	154.9	152.7	150.4	151.6
64°	131.2	132.3	128.9	131.2
65°	117.6	119.9	117.6	119.9
67.5°	93.9	97.3	96.1	97.3
70°	80.3	81.4	80.3	80.3
72.5°	71.3	72.4	70.1	69.0
75°	66.7	65.6	64.5	63.3
77.5°	61.1	61.1	58.8	57.7
80°	54.3	53.2	50.9	48.6
82.5°	49.8	47.5	41.8	38.5
85°	41.8	38.5	31.7	24.9
87.5°	33.9	30.5	19.2	10.2
90°	0.0	0.0	0.0	0.0

(END OF REPORT)