

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: P157171

Luminaire Tested: **UTLD-E03-LED-E-U-T3-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157171
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-E03-LED-E-U-T3-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA
Light Source: (63) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8297.5 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 75.2
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



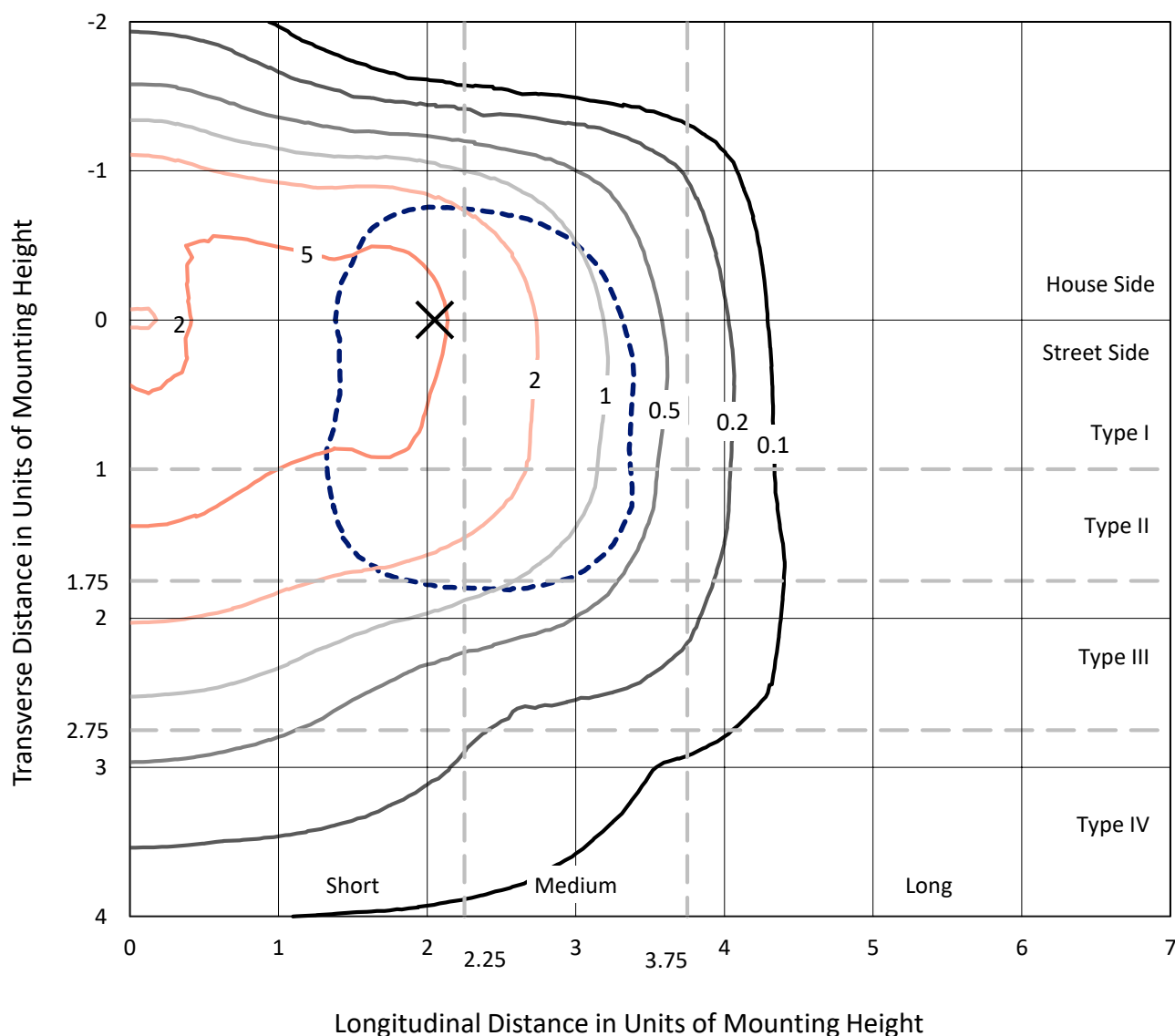
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

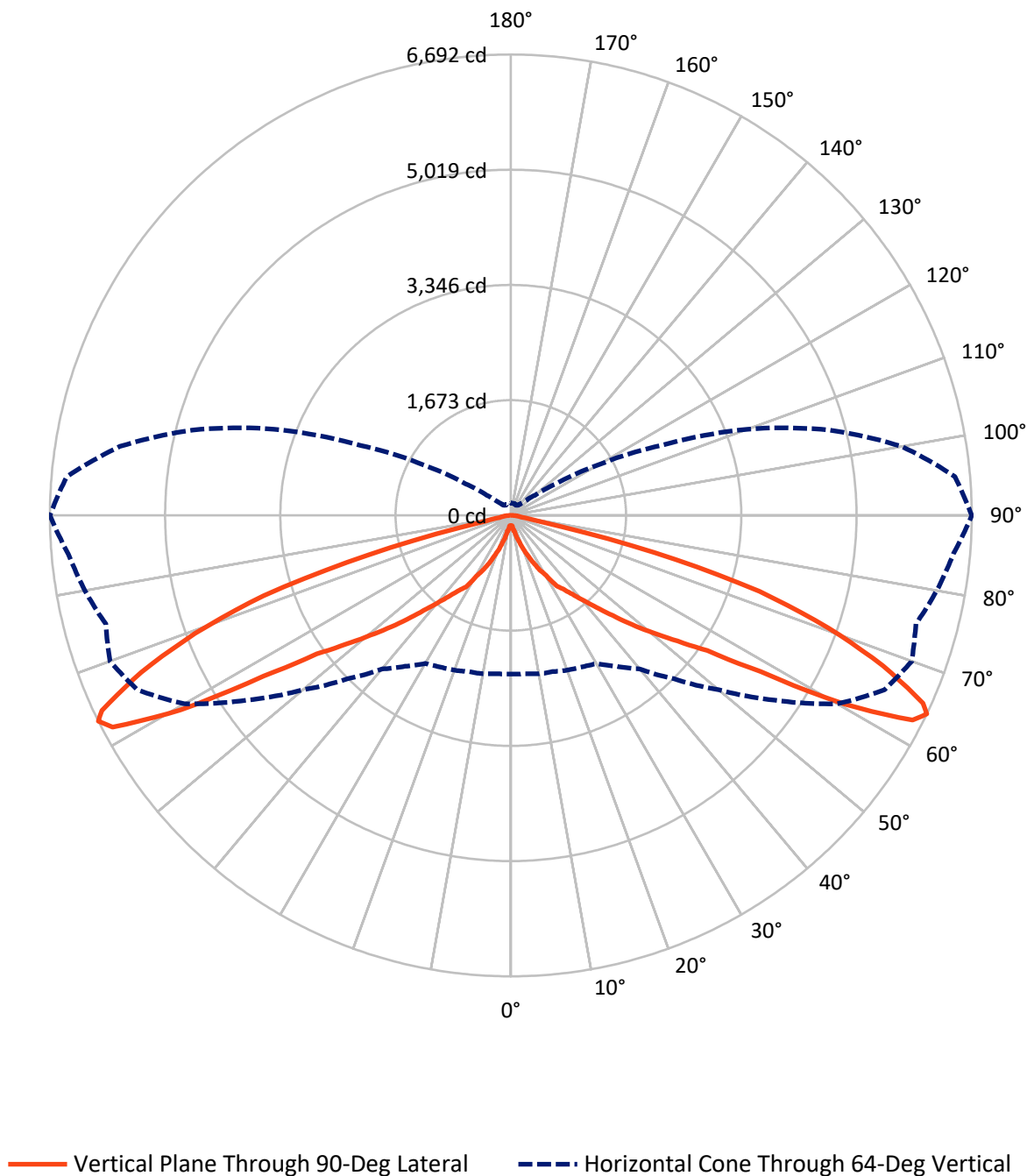


Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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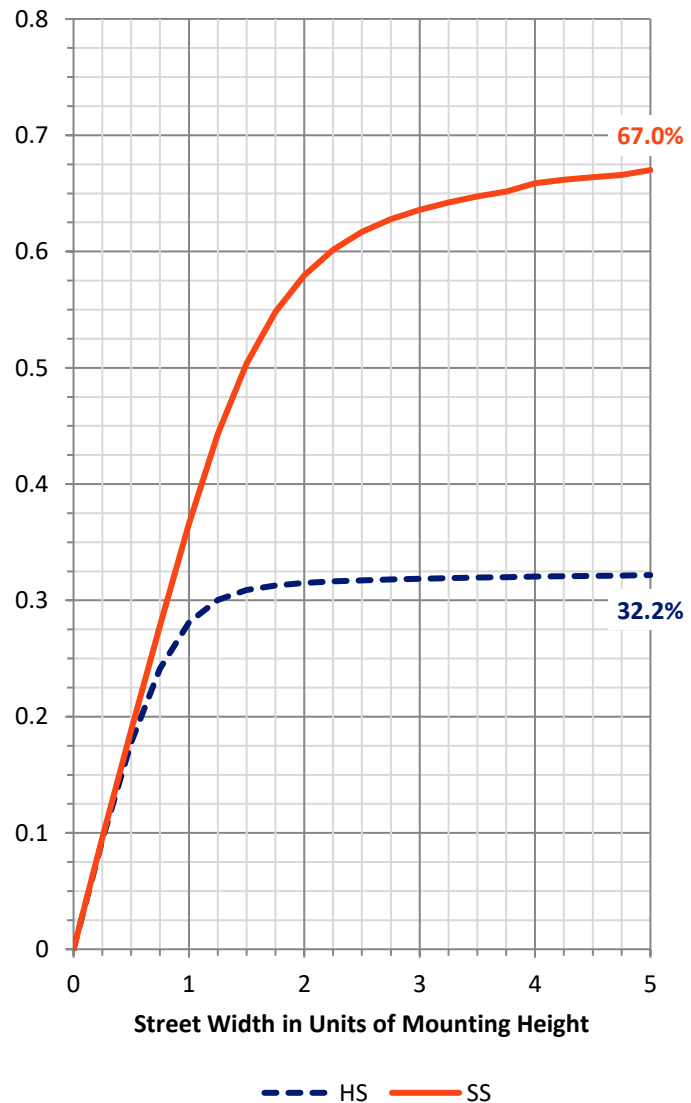
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2696.6	0.0	2696.6
	% Fixture	32.5	0.0	32.5
Street Side	Lumens	5600.9	0.0	5600.9
	% Fixture	67.5	0.0	67.5
Total	Lumens	8297.5	0.0	8297.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.3	0.2
10°-20°	109.0	1.3
20°-30°	321.3	3.9
30°-40°	679.0	8.2
40°-50°	1190.3	14.3
50°-60°	1895.5	22.8
60°-70°	2658.2	32.0
70°-80°	1204.0	14.5
80°-90°	219.9	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°	8297.5	100.0
0°-180°	8297.5	100.0

Coefficient of Utilization



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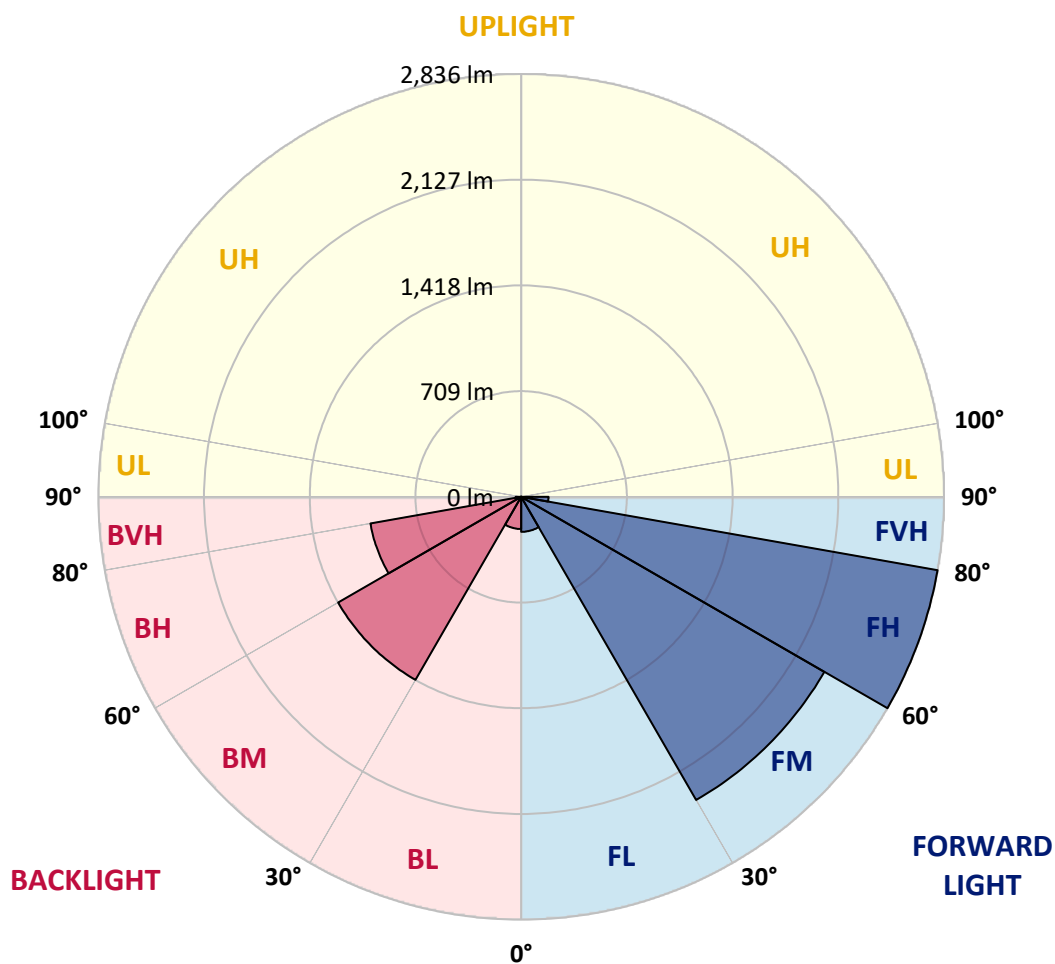
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	234.8	2.8			
FM	(30°-60°)	2347.5	28.3			
FH	(60°-80°)	2835.5	34.2			G2/5000
FVH	(80°-90°)	183.2	2.2			G2/225
BL	(0°-30°)	215.8	2.6	B1/500		
BM	(30°-60°)	1417.3	17.1	B2/2500		
BH	(60°-80°)	1026.7	12.4	B3/2500		G3/2500
BVH	(80°-90°)	36.7	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	152.4	152.4	152.4	152.4	152.4	152.4	152.4	152.4	152.4	152.4	152.4
2.5°	240.1	243.2	241.6	243.2	244.7	243.2	243.2	241.6	243.2	244.7	244.7
5°	195.5	197.0	197.0	195.5	197.0	197.0	197.0	197.0	197.0	197.0	197.0
7.5°	292.4	294.0	295.5	292.4	292.4	294.0	290.9	249.3	201.6	198.6	195.5
10°	292.4	294.0	294.0	290.9	292.4	294.0	294.0	292.4	283.2	281.7	281.7
12.5°	375.6	377.1	378.6	378.6	378.6	367.9	354.0	297.1	289.4	364.8	370.9
15°	380.2	380.2	380.2	374.0	374.0	367.9	372.5	440.2	435.6	383.3	377.1
17.5°	467.9	467.9	467.9	466.4	455.6	455.6	458.7	443.3	444.8	446.4	526.4
20°	569.5	572.6	531.0	486.4	469.4	523.3	524.9	515.6	566.4	504.8	531.0
22.5°	595.7	595.7	594.1	580.3	583.3	620.3	597.2	577.2	589.5	557.2	601.8
25°	708.0	708.0	698.8	686.5	668.0	651.1	669.5	666.5	638.8	635.7	709.6
27.5°	758.8	737.3	732.6	717.2	758.8	749.6	765.0	695.7	754.2	740.3	780.4
30°	871.2	869.6	854.2	868.1	868.1	832.7	805.0	837.3	849.6	823.4	914.3
32.5°	1031.2	1029.7	1011.2	1000.5	925.0	917.3	934.3	938.9	937.3	945.0	972.7
35°	1205.2	1203.6	1102.0	1082.0	1054.3	1048.2	1046.6	1022.0	1051.2	1014.3	1088.2
37.5°	1320.6	1332.9	1274.4	1260.6	1225.2	1185.2	1152.8	1168.2	1132.8	1128.2	1182.1
40°	1551.5	1556.1	1503.8	1460.7	1429.9	1339.1	1306.7	1297.5	1285.2	1269.8	1342.1
42.5°	1768.5	1762.3	1716.2	1682.3	1643.8	1556.1	1462.2	1451.4	1448.3	1434.5	1497.6
45°	1979.4	1984.0	1930.1	1914.7	1853.1	1797.7	1668.4	1670.0	1660.8	1645.4	1702.3
47.5°	2171.8	2182.5	2153.3	2105.6	2056.3	2011.7	1913.2	1907.0	1885.5	1890.1	1957.8
50°	2333.4	2353.4	2325.7	2290.3	2245.6	2214.8	2157.9	2144.0	2131.7	2144.0	2217.9
52.5°	2444.2	2461.1	2471.9	2427.3	2427.3	2387.2	2368.8	2354.9	2359.5	2396.5	2484.2
55°	2499.6	2515.0	2538.1	2507.3	2575.0	2516.5	2499.6	2519.6	2550.4	2616.6	2741.2
57.5°	2499.6	2508.8	2538.1	2544.2	2584.2	2542.7	2573.5	2616.6	2682.8	2798.2	2973.7
60°	2447.3	2455.0	2490.4	2495.0	2531.9	2522.7	2548.8	2672.0	2768.9	2959.8	3241.5
62.5°	2364.1	2368.8	2402.6	2411.9	2450.3	2468.8	2508.8	2687.4	2859.8	3192.2	3644.7
64°	2304.1	2307.2	2334.9	2348.8	2391.9	2427.3	2482.7	2675.1	2910.5	3355.4	3940.2
65°	2262.6	2262.6	2296.4	2302.6	2345.7	2391.9	2451.9	2645.8	2913.6	3416.9	4068.0
67.5°	2099.4	2091.7	2125.6	2141.0	2157.9	2194.8	2231.8	2433.4	2732.0	3320.0	4034.1
70°	1823.9	1805.4	1822.4	1810.0	1800.8	1783.9	1765.4	1905.5	2117.9	2708.9	3416.9
72.5°	1279.0	1279.0	1265.2	1294.4	1316.0	1337.5	1263.6	1280.6	1396.0	1777.7	2408.8
75°	858.9	868.1	892.7	963.5	1032.8	1095.9	1120.5	1122.0	1025.1	1054.3	1462.2
77.5°	509.5	529.5	547.9	631.1	720.3	852.7	969.7	1083.6	1109.7	1094.3	1058.9
80°	229.3	235.5	261.7	294.0	349.4	440.2	611.0	792.7	998.9	1102.0	1080.5
82.5°	78.5	86.2	103.1	123.1	146.2	186.2	277.0	374.0	571.0	809.6	1006.6
85°	26.2	29.2	40.0	55.4	61.6	70.8	93.9	138.5	226.3	318.6	606.4
87.5°	10.8	13.9	18.5	27.7	30.8	30.8	32.3	41.6	41.6	41.6	166.2
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°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	152.4	152.4	152.4	152.4	152.4	152.4	152.4	152.4	152.4	152.4	152.4
2.5°	201.6	186.2	164.7	160.1	153.9	152.4	150.8	150.8	149.3	150.8	150.8
5°	215.5	227.8	237.0	230.9	170.8	163.2	150.8	149.3	150.8	150.8	158.5
7.5°	195.5	195.5	186.2	213.9	215.5	160.1	147.8	150.8	152.4	153.9	178.5
10°	210.9	267.8	266.3	270.9	309.4	303.2	226.3	221.6	223.2	234.0	309.4
12.5°	375.6	347.8	274.0	286.3	283.2	314.0	241.6	232.4	238.6	297.1	289.4
15°	377.1	432.5	441.7	389.4	369.4	390.9	352.5	335.5	324.8	386.3	332.5
17.5°	447.9	443.3	452.5	417.1	394.0	387.9	424.8	415.6	398.6	370.9	344.8
20°	495.6	529.5	540.2	609.5	567.9	551.0	563.3	531.0	512.5	520.2	518.7
22.5°	608.0	655.7	620.3	634.1	646.4	689.5	674.2	624.9	637.2	640.3	620.3
25°	643.4	721.9	772.7	798.8	808.1	780.4	818.8	761.9	780.4	754.2	772.7
27.5°	797.3	801.9	841.9	832.7	895.8	928.1	926.6	895.8	903.5	918.9	938.9
30°	841.9	858.9	938.9	966.6	1002.0	1026.6	997.4	1009.7	986.6	1018.9	1023.5
32.5°	982.0	966.6	995.8	1112.8	1194.4	1235.9	1194.4	1219.0	1192.8	1203.6	1149.8
35°	1065.1	1137.4	1157.4	1212.9	1274.4	1332.9	1320.6	1316.0	1312.9	1334.5	1222.1
37.5°	1235.9	1251.3	1262.1	1332.9	1388.3	1465.3	1468.4	1451.4	1480.7	1419.1	1322.1
40°	1348.3	1372.9	1386.8	1434.5	1546.9	1608.4	1654.6	1620.7	1662.3	1539.2	1469.9
42.5°	1516.1	1505.3	1529.9	1603.8	1742.3	1779.3	1843.9	1822.4	1885.5	1753.1	1616.1
45°	1736.2	1726.9	1731.6	1779.3	1967.0	1993.2	2057.9	2074.8	2105.6	1940.9	1800.8
47.5°	1984.0	1988.6	1988.6	2036.3	2190.2	2242.6	2316.4	2367.2	2356.5	2141.0	2000.9
50°	2262.6	2284.1	2251.8	2318.0	2433.4	2527.3	2568.9	2678.1	2638.1	2419.6	2264.1
52.5°	2570.4	2605.8	2576.6	2632.0	2741.2	2859.8	2929.0	3032.1	2962.9	2779.7	2505.7
55°	2875.1	2936.7	2970.6	3030.6	3170.7	3283.0	3313.8	3460.0	3363.1	3183.0	2770.5
57.5°	3195.3	3326.1	3447.7	3529.3	3764.8	3895.6	3961.8	4278.9	4160.3	3969.5	3332.3
60°	3609.3	4006.4	4337.3	4520.5	4831.4	4965.3	5230.1	5565.6	5480.9	5199.3	4338.9
62.5°	4288.1	4994.6	5499.4	5734.9	5808.8	5982.7	6230.5	6547.6	6416.8	5767.2	4868.4
64°	4676.0	5473.2	5985.8	6193.6	6088.9	6279.8	6449.1	6692.3	6472.2	5762.6	4786.8
65°	4840.7	5651.8	6142.8	6339.8	6128.9	6285.9	6426.0	6578.4	6302.9	5611.8	4586.7
67.5°	4882.2	5664.1	6102.8	6219.7	5870.3	5824.2	5847.3	5831.9	5462.5	4831.4	3917.2
70°	4257.3	5006.9	5621.0	5770.3	5302.4	5054.6	5042.3	4894.5	4519.0	4021.8	3226.1
72.5°	3287.6	3941.8	4549.8	4751.4	4309.6	4114.2	4068.0	3777.1	3464.6	3004.4	2430.3
75°	2227.2	2756.6	2933.6	2945.9	2591.9	2487.3	2419.6	2156.4	1885.5	1688.5	1425.3
77.5°	1308.3	1526.8	1365.2	1202.1	942.0	668.0	497.1	414.0	452.5	451.0	424.8
80°	1106.7	1038.9	840.4	651.1	467.9	264.7	192.4	163.2	166.2	169.3	166.2
82.5°	1189.8	1266.7	1074.3	763.4	572.6	337.1	163.2	117.0	133.9	147.8	141.6
85°	1008.1	1235.9	1151.3	825.0	614.1	354.0	115.4	77.0	98.5	121.6	129.3
87.5°	390.9	571.0	463.3	318.6	213.9	118.5	67.7	55.4	69.3	97.0	106.2
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	152.4	152.4	152.4	152.4	152.4	152.4	152.4	152.4	152.4	152.4	152.4
2.5°	152.4	157.0	164.7	164.7	160.1	164.7	186.2	212.4	227.8	240.1	254.0
5°	158.5	207.8	241.6	246.3	240.1	173.9	161.6	161.6	167.8	173.9	160.1
7.5°	221.6	210.9	147.8	157.0	158.5	160.1	158.5	163.2	164.7	218.6	249.3
10°	252.4	229.3	223.2	186.2	173.9	243.2	243.2	244.7	254.0	255.5	254.0
12.5°	246.3	235.5	237.0	315.5	340.2	324.8	263.2	243.2	254.0	290.9	326.3
15°	329.4	350.9	372.5	326.3	341.7	330.9	389.4	404.8	334.0	329.4	340.2
17.5°	350.9	423.3	426.3	407.9	460.2	411.0	400.2	404.8	398.6	369.4	417.1
20°	578.7	538.7	501.8	460.2	498.7	483.3	474.1	478.7	474.1	475.6	420.2
22.5°	614.1	597.2	629.5	612.6	577.2	538.7	554.1	544.9	494.1	547.9	506.4
25°	798.8	786.5	717.2	638.8	692.6	612.6	575.6	612.6	603.4	561.8	561.8
27.5°	840.4	837.3	825.0	838.8	737.3	694.2	738.8	632.6	638.8	652.6	649.5
30°	972.7	971.2	868.1	880.4	874.2	798.8	769.6	780.4	708.0	695.7	723.4
32.5°	1114.4	1022.0	994.3	1003.5	931.2	881.9	866.5	806.5	778.8	765.0	720.3
35°	1175.9	1172.8	1148.2	1060.5	1032.8	940.4	926.6	857.3	831.1	821.9	798.8
37.5°	1257.5	1254.4	1228.2	1182.1	1115.9	1006.6	958.9	912.7	854.2	817.3	846.5
40°	1366.8	1343.7	1317.5	1242.1	1151.3	1052.8	985.1	905.0	868.1	832.7	874.2
42.5°	1560.7	1457.6	1392.9	1297.5	1175.9	1057.4	982.0	905.0	834.2	823.4	829.6
45°	1731.6	1566.9	1456.0	1332.9	1186.7	1048.2	952.7	865.0	815.8	774.2	772.7
47.5°	1880.9	1691.5	1514.5	1360.6	1180.5	1023.5	909.6	815.8	754.2	714.2	695.7
50°	2020.9	1822.4	1574.6	1369.9	1154.4	975.8	848.1	748.0	671.1	626.4	621.8
52.5°	2161.0	1914.7	1625.4	1356.0	1103.6	903.5	758.8	652.6	569.5	532.5	524.9
55°	2359.5	1967.0	1651.5	1306.7	1023.5	805.0	652.6	540.2	457.1	438.7	427.9
57.5°	2776.6	2137.9	1677.7	1229.8	905.0	677.2	527.9	431.0	369.4	350.9	341.7
60°	3447.7	2464.2	1737.7	1112.8	743.4	534.1	403.3	323.2	281.7	270.9	266.3
62.5°	3763.2	2550.4	1645.4	935.8	569.5	380.2	283.2	227.8	206.2	203.2	206.2
64°	3663.2	2404.2	1466.8	798.8	454.1	294.0	218.6	181.6	169.3	167.8	173.9
65°	3486.2	2237.9	1331.4	704.9	377.1	243.2	183.2	157.0	147.8	150.8	155.5
67.5°	2879.8	1730.0	901.9	421.7	218.6	149.3	124.7	112.4	113.9	117.0	123.1
70°	2248.7	1159.0	491.0	218.6	130.8	101.6	93.9	89.3	92.3	97.0	103.1
72.5°	1542.2	648.0	234.0	124.7	97.0	81.6	80.0	78.5	81.6	86.2	92.3
75°	808.1	270.9	132.4	98.5	84.7	73.9	75.4	73.9	77.0	81.6	86.2
77.5°	255.5	146.2	110.8	90.8	80.0	69.3	70.8	72.3	75.4	78.5	81.6
80°	138.5	121.6	100.0	84.7	75.4	64.6	67.7	69.3	73.9	75.4	75.4
82.5°	126.2	106.2	87.7	77.0	72.3	63.1	69.3	69.3	69.3	69.3	69.3
85°	110.8	86.2	72.3	67.7	67.7	60.0	64.6	64.6	61.6	61.6	58.5
87.5°	86.2	63.1	61.6	67.7	63.1	43.1	55.4	52.3	47.7	47.7	46.2
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):

	165°	170°	175°	180°
0°	152.4	152.4	152.4	152.4
2.5°	252.4	254.0	247.8	247.8
5°	158.5	160.1	158.5	158.5
7.5°	258.6	255.5	264.7	255.5
10°	260.1	252.4	250.9	252.4
12.5°	338.6	338.6	340.2	340.2
15°	338.6	337.1	340.2	338.6
17.5°	424.8	427.9	429.4	427.9
20°	429.4	431.0	443.3	434.0
22.5°	509.5	518.7	518.7	517.2
25°	531.0	598.7	612.6	611.0
27.5°	609.5	617.2	618.7	617.2
30°	694.2	697.2	704.9	701.9
32.5°	731.1	780.4	789.6	786.5
35°	792.7	778.8	811.1	843.5
37.5°	829.6	825.0	832.7	831.1
40°	863.5	871.2	880.4	872.7
42.5°	831.1	826.5	831.1	828.1
45°	765.0	766.5	763.4	760.3
47.5°	681.8	681.8	678.8	678.8
50°	594.1	597.2	584.9	586.4
52.5°	501.8	504.8	495.6	486.4
55°	415.6	417.1	404.8	401.7
57.5°	335.5	340.2	329.4	324.8
60°	266.3	267.8	264.7	264.7
62.5°	210.9	207.8	204.7	206.2
64°	178.5	180.1	175.5	178.5
65°	160.1	163.2	160.1	163.2
67.5°	127.8	132.4	130.8	132.4
70°	109.3	110.8	109.3	109.3
72.5°	97.0	98.5	95.4	93.9
75°	90.8	89.3	87.7	86.2
77.5°	83.1	83.1	80.0	78.5
80°	73.9	72.3	69.3	66.2
82.5°	67.7	64.6	56.9	52.3
85°	56.9	52.3	43.1	33.9
87.5°	46.2	41.6	26.2	13.9
90°	0.0	0.0	0.0	0.0

(END OF REPORT)