

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: P157169

Luminaire Tested: **UTLD-E03-LED-E-U-T3-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157169
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-T3-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7385.8 lumens
Efficiency: N/A
Efficacy: 98.2 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): 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



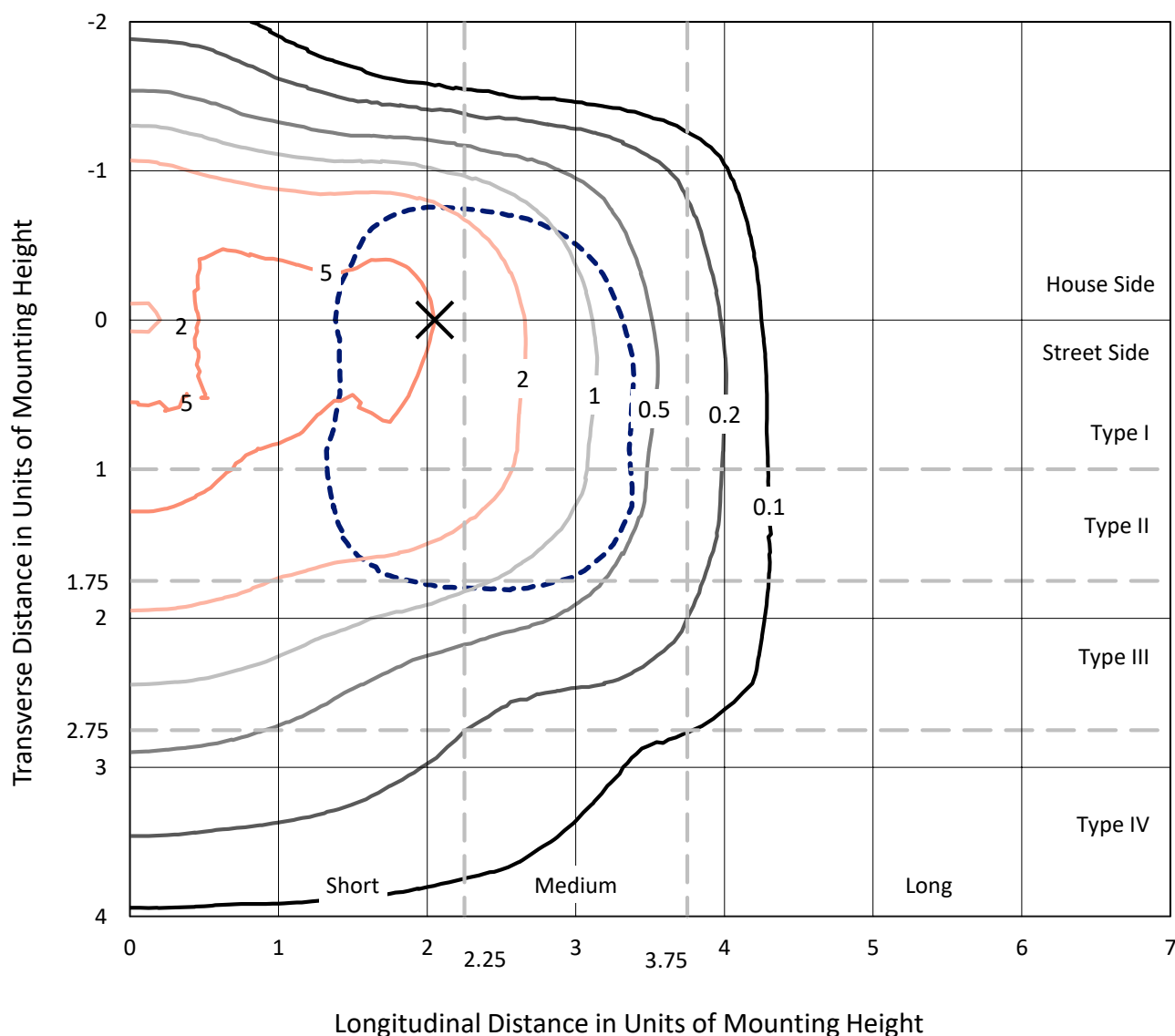
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

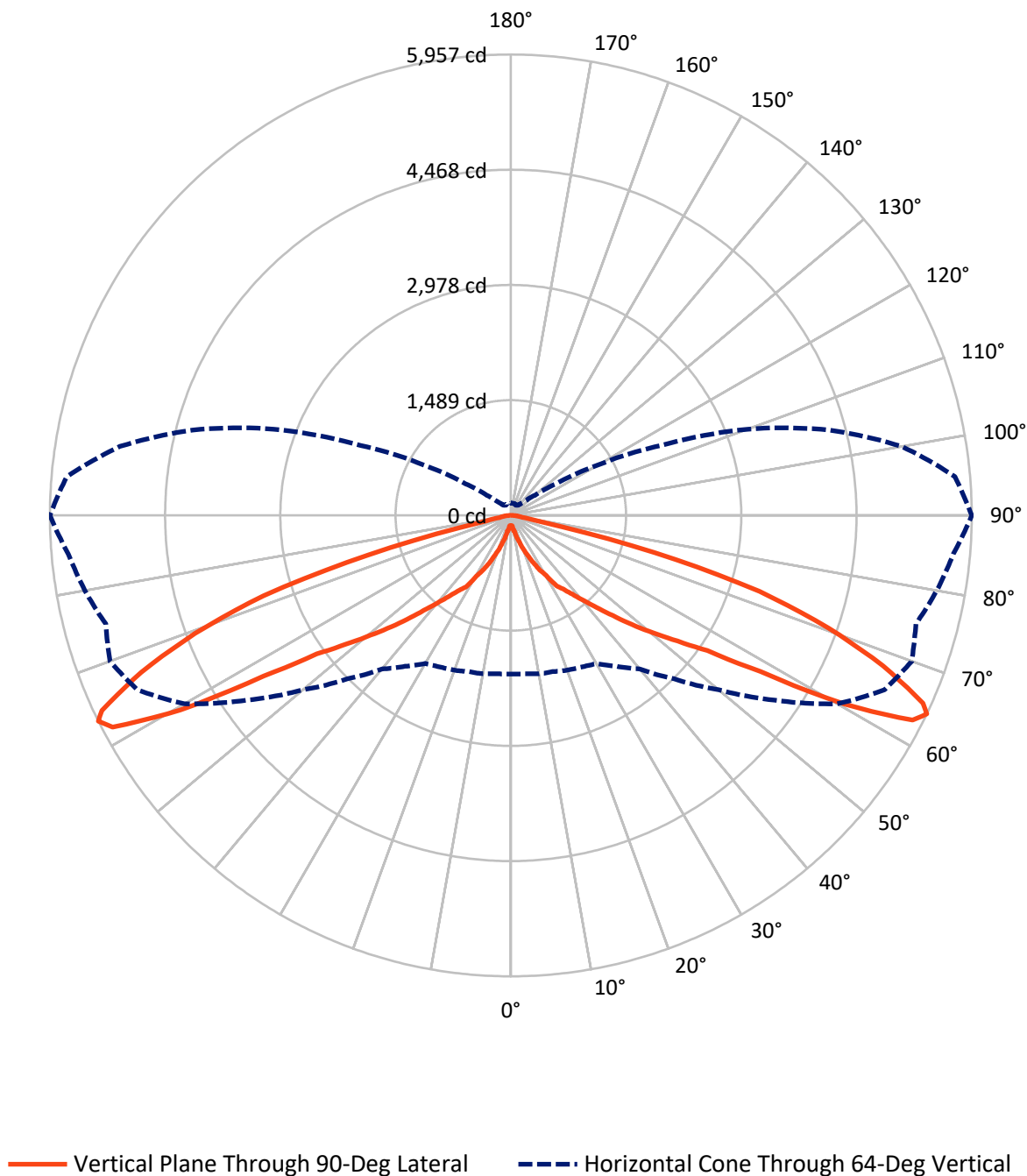


Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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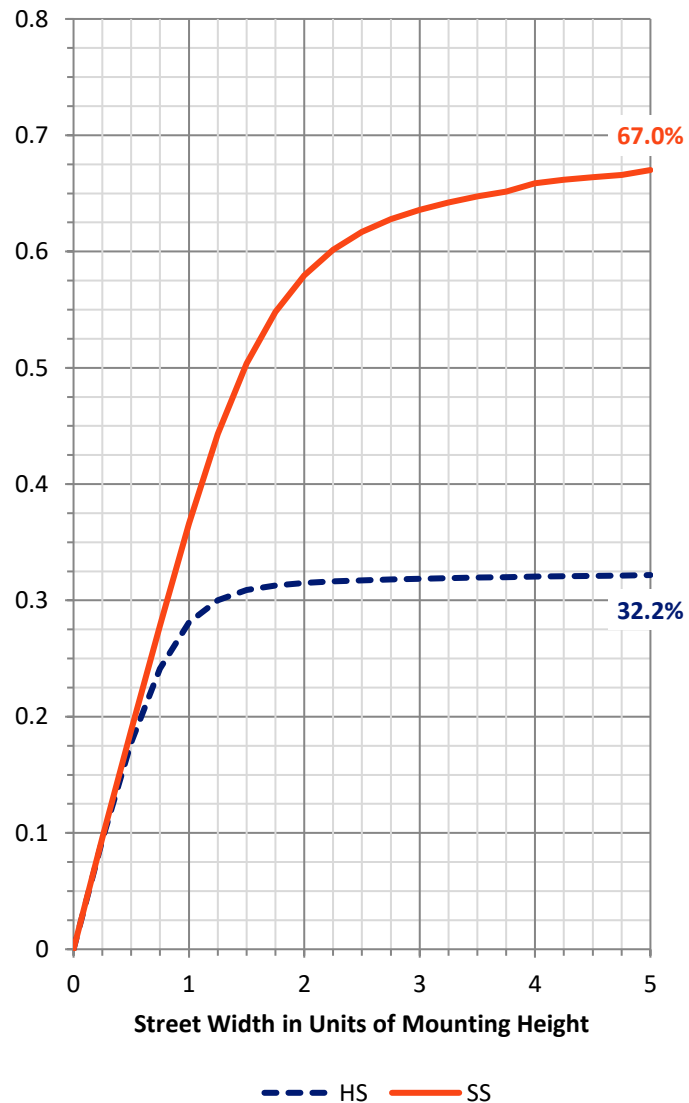
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2400.3	0.0	2400.3
	% Fixture	32.5	0.0	32.5
Street Side	Lumens	4985.5	0.0	4985.5
	% Fixture	67.5	0.0	67.5
Total	Lumens	7385.8	0.0	7385.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.1	0.2
10°-20°	97.0	1.3
20°-30°	286.0	3.9
30°-40°	604.4	8.2
40°-50°	1059.5	14.3
50°-60°	1687.2	22.8
60°-70°	2366.1	32.0
70°-80°	1071.7	14.5
80°-90°	195.7	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°	7385.8	100.0
0°-180°	7385.8	100.0

Coefficient of Utilization



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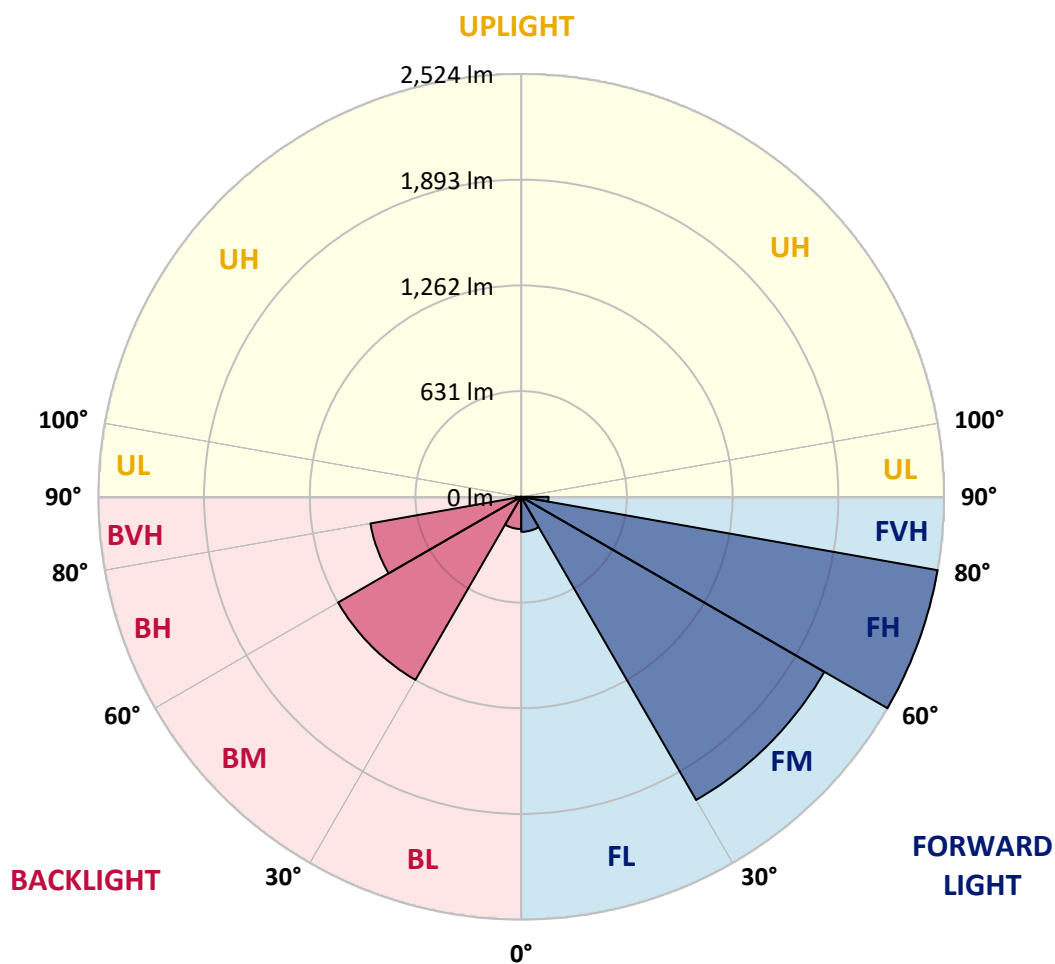
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	209.0	2.8			
FM	(30°-60°)	2089.6	28.3			
FH	(60°-80°)	2523.9	34.2			G2/5000
FVH	(80°-90°)	163.0	2.2			G2/225
BL	(0°-30°)	192.1	2.6	B1/500		
BM	(30°-60°)	1261.6	17.1	B2/2500		
BH	(60°-80°)	913.9	12.4	B2/1000		G2/1000
BVH	(80°-90°)	32.7	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	135.6	135.6	135.6	135.6	135.6	135.6	135.6	135.6	135.6	135.6	135.6
2.5°	213.7	216.5	215.1	216.5	217.8	216.5	216.5	215.1	216.5	217.8	217.8
5°	174.0	175.4	175.4	174.0	175.4	175.4	175.4	175.4	175.4	175.4	175.4
7.5°	260.3	261.7	263.0	260.3	260.3	261.7	258.9	221.9	179.5	176.7	174.0
10°	260.3	261.7	261.7	258.9	260.3	261.7	261.7	260.3	252.1	250.7	250.7
12.5°	334.3	335.7	337.0	337.0	337.0	327.4	315.1	264.4	257.6	324.7	330.2
15°	338.4	338.4	338.4	332.9	332.9	327.4	331.5	391.8	387.7	341.1	335.7
17.5°	416.5	416.5	416.5	415.1	405.5	405.5	408.3	394.6	395.9	397.3	468.5
20°	506.9	509.6	472.7	432.9	417.9	465.8	467.2	459.0	504.2	449.4	472.7
22.5°	530.2	530.2	528.8	516.5	519.2	552.1	531.6	513.8	524.7	495.9	535.7
25°	630.2	630.2	622.0	611.0	594.6	579.5	596.0	593.2	568.6	565.8	631.6
27.5°	675.4	656.2	652.1	638.4	675.4	667.2	680.9	619.3	671.3	659.0	694.6
30°	775.4	774.1	760.4	772.7	772.7	741.2	716.5	745.3	756.3	733.0	813.8
32.5°	917.9	916.5	900.1	890.5	823.4	816.5	831.6	835.7	834.3	841.2	865.9
35°	1072.7	1071.4	980.9	963.1	938.5	933.0	931.6	909.7	935.7	902.8	968.6
37.5°	1175.5	1186.4	1134.4	1122.1	1090.5	1054.9	1026.1	1039.8	1008.3	1004.2	1052.2
40°	1381.0	1385.1	1338.5	1300.2	1272.8	1191.9	1163.2	1154.9	1144.0	1130.3	1194.7
42.5°	1574.2	1568.7	1527.6	1497.4	1463.2	1385.1	1301.5	1291.9	1289.2	1276.9	1333.0
45°	1761.9	1766.0	1718.0	1704.3	1649.5	1600.2	1485.1	1486.5	1478.3	1464.6	1515.2
47.5°	1933.1	1942.7	1916.7	1874.2	1830.4	1790.6	1702.9	1697.5	1678.3	1682.4	1742.7
50°	2077.0	2094.8	2070.1	2038.6	1998.9	1971.5	1920.8	1908.4	1897.5	1908.4	1974.2
52.5°	2175.6	2190.7	2200.3	2160.5	2160.5	2124.9	2108.5	2096.1	2100.2	2133.1	2211.2
55°	2224.9	2238.6	2259.2	2231.8	2292.1	2240.0	2224.9	2242.7	2270.1	2329.0	2440.0
57.5°	2224.9	2233.1	2259.2	2264.7	2300.3	2263.3	2290.7	2329.0	2388.0	2490.7	2646.9
60°	2178.3	2185.2	2216.7	2220.8	2253.7	2245.5	2268.8	2378.4	2464.7	2634.6	2885.3
62.5°	2104.4	2108.5	2138.6	2146.8	2181.1	2197.5	2233.1	2392.1	2545.5	2841.4	3244.2
64°	2050.9	2053.7	2078.3	2090.7	2129.0	2160.5	2209.9	2381.1	2590.7	2986.7	3507.3
65°	2013.9	2013.9	2044.1	2049.6	2087.9	2129.0	2182.5	2355.1	2593.5	3041.5	3621.0
67.5°	1868.7	1861.9	1892.0	1905.7	1920.8	1953.7	1986.5	2166.0	2431.8	2955.1	3590.8
70°	1623.5	1607.0	1622.1	1611.2	1602.9	1587.9	1571.4	1696.1	1885.2	2411.2	3041.5
72.5°	1138.5	1138.5	1126.2	1152.2	1171.4	1190.6	1124.8	1139.9	1242.6	1582.4	2144.1
75°	764.5	772.7	794.6	857.6	919.3	975.5	997.4	998.7	912.4	938.5	1301.5
77.5°	453.5	471.3	487.7	561.7	641.2	759.0	863.1	964.5	987.8	974.1	942.6
80°	204.1	209.6	232.9	261.7	311.0	391.8	543.9	705.6	889.1	980.9	961.8
82.5°	69.9	76.7	91.8	109.6	130.2	165.8	246.6	332.9	508.3	720.6	896.0
85°	23.3	26.0	35.6	49.3	54.8	63.0	83.6	123.3	201.4	283.6	539.8
87.5°	9.6	12.3	16.4	24.7	27.4	27.4	28.8	37.0	37.0	37.0	148.0
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	135.6	135.6	135.6	135.6	135.6	135.6	135.6	135.6	135.6	135.6	135.6
2.5°	179.5	165.8	146.6	142.5	137.0	135.6	134.3	134.3	132.9	134.3	134.3
5°	191.8	202.8	211.0	205.5	152.1	145.2	134.3	132.9	134.3	134.3	141.1
7.5°	174.0	174.0	165.8	190.4	191.8	142.5	131.5	134.3	135.6	137.0	158.9
10°	187.7	238.4	237.0	241.1	275.4	269.9	201.4	197.3	198.7	208.2	275.4
12.5°	334.3	309.6	243.9	254.8	252.1	279.5	215.1	206.9	212.4	264.4	257.6
15°	335.7	385.0	393.2	346.6	328.8	348.0	313.7	298.7	289.1	343.9	295.9
17.5°	398.7	394.6	402.8	371.3	350.7	345.2	378.1	369.9	354.8	330.2	306.9
20°	441.1	471.3	480.9	542.5	505.5	490.5	501.4	472.7	456.2	463.1	461.7
22.5°	541.2	583.6	552.1	564.5	575.4	613.8	600.1	556.2	567.2	569.9	552.1
25°	572.7	642.5	687.8	711.0	719.3	694.6	728.9	678.2	694.6	671.3	687.8
27.5°	709.7	713.8	749.4	741.2	797.4	826.1	824.8	797.4	804.2	817.9	835.7
30°	749.4	764.5	835.7	860.4	891.9	913.8	887.8	898.7	878.2	907.0	911.1
32.5°	874.1	860.4	886.4	990.5	1063.1	1100.1	1063.1	1085.1	1061.8	1071.4	1023.4
35°	948.1	1012.4	1030.3	1079.6	1134.4	1186.4	1175.5	1171.4	1168.6	1187.8	1087.8
37.5°	1100.1	1113.8	1123.4	1186.4	1235.8	1304.3	1307.0	1291.9	1318.0	1263.2	1176.9
40°	1200.1	1222.1	1234.4	1276.9	1376.9	1431.7	1472.8	1442.6	1479.6	1370.0	1308.4
42.5°	1349.5	1339.9	1361.8	1427.6	1550.9	1583.7	1641.3	1622.1	1678.3	1560.5	1438.5
45°	1545.4	1537.2	1541.3	1583.7	1750.9	1774.2	1831.7	1846.8	1874.2	1727.6	1602.9
47.5°	1766.0	1770.1	1770.1	1812.5	1949.5	1996.1	2061.9	2107.1	2097.5	1905.7	1781.0
50°	2013.9	2033.1	2004.3	2063.3	2166.0	2249.6	2286.6	2383.8	2348.2	2153.7	2015.3
52.5°	2287.9	2319.5	2293.4	2342.7	2440.0	2545.5	2607.2	2699.0	2637.3	2474.3	2230.4
55°	2559.2	2614.0	2644.1	2697.6	2822.3	2922.3	2949.7	3079.8	2993.5	2833.2	2466.0
57.5°	2844.2	2960.6	3068.9	3141.5	3351.1	3467.5	3526.4	3808.7	3703.2	3533.3	2966.1
60°	3212.7	3566.2	3860.7	4023.8	4300.5	4419.7	4655.3	4954.0	4878.7	4627.9	3862.1
62.5°	3816.9	4445.7	4895.1	5104.7	5170.5	5325.3	5545.9	5828.1	5711.6	5133.5	4333.4
64°	4162.1	4871.8	5328.0	5513.0	5419.8	5589.7	5740.4	5956.9	5761.0	5129.4	4260.8
65°	4308.7	5030.7	5467.8	5643.1	5455.4	5595.2	5719.9	5855.5	5610.3	4995.1	4082.7
67.5°	4345.7	5041.7	5432.2	5536.3	5225.3	5184.2	5204.7	5191.0	4862.2	4300.5	3486.7
70°	3789.5	4456.7	5003.3	5136.2	4719.7	4499.2	4488.2	4356.7	4022.4	3579.9	2871.6
72.5°	2926.4	3508.6	4049.8	4229.3	3836.1	3662.1	3621.0	3362.0	3083.9	2674.3	2163.3
75°	1982.4	2453.7	2611.3	2622.2	2307.1	2214.0	2153.7	1919.4	1678.3	1502.9	1268.6
77.5°	1164.5	1359.1	1215.2	1070.0	838.5	594.6	442.5	368.5	402.8	401.4	378.1
80°	985.0	924.8	748.0	579.5	416.5	235.6	171.3	145.2	148.0	150.7	148.0
82.5°	1059.0	1127.5	956.3	679.5	509.6	300.0	145.2	104.1	119.2	131.5	126.0
85°	897.4	1100.1	1024.8	734.3	546.6	315.1	102.8	68.5	87.7	108.2	115.1
87.5°	348.0	508.3	412.4	283.6	190.4	105.5	60.3	49.3	61.7	86.3	94.5
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°	135.6	135.6	135.6	135.6	135.6	135.6	135.6	135.6	135.6	135.6	135.6
2.5°	135.6	139.7	146.6	146.6	142.5	146.6	165.8	189.1	202.8	213.7	226.1
5°	141.1	185.0	215.1	219.2	213.7	154.8	143.9	143.9	149.3	154.8	142.5
7.5°	197.3	187.7	131.5	139.7	141.1	142.5	141.1	145.2	146.6	194.5	221.9
10°	224.7	204.1	198.7	165.8	154.8	216.5	216.5	217.8	226.1	227.4	226.1
12.5°	219.2	209.6	211.0	280.9	302.8	289.1	234.3	216.5	226.1	258.9	290.4
15°	293.2	312.4	331.5	290.4	304.1	294.6	346.6	360.3	297.3	293.2	302.8
17.5°	312.4	376.8	379.5	363.1	409.6	365.8	356.2	360.3	354.8	328.8	371.3
20°	515.1	479.5	446.6	409.6	443.9	430.2	422.0	426.1	422.0	423.3	374.0
22.5°	546.6	531.6	560.3	545.3	513.8	479.5	493.2	485.0	439.8	487.7	450.7
25°	711.0	700.1	638.4	568.6	616.5	545.3	512.4	545.3	537.0	500.1	500.1
27.5°	748.0	745.3	734.3	746.7	656.2	617.9	657.6	563.1	568.6	580.9	578.2
30°	865.9	864.5	772.7	783.7	778.2	711.0	685.0	694.6	630.2	619.3	643.9
32.5°	991.9	909.7	885.0	893.3	828.9	785.0	771.3	717.9	693.2	680.9	641.2
35°	1046.7	1044.0	1022.0	943.9	919.3	837.1	824.8	763.1	739.8	731.6	711.0
37.5°	1119.3	1116.6	1093.3	1052.2	993.3	896.0	853.5	812.4	760.4	727.5	753.5
40°	1216.6	1196.0	1172.7	1105.6	1024.8	937.1	876.8	805.6	772.7	741.2	778.2
42.5°	1389.2	1297.4	1239.9	1154.9	1046.7	941.2	874.1	805.6	742.6	733.0	738.4
45°	1541.3	1394.7	1296.0	1186.4	1056.3	933.0	848.0	770.0	726.1	689.1	687.8
47.5°	1674.2	1505.7	1348.1	1211.1	1050.8	911.1	809.7	726.1	671.3	635.7	619.3
50°	1798.8	1622.1	1401.5	1219.3	1027.5	868.6	754.9	665.8	597.3	557.6	553.5
52.5°	1923.5	1704.3	1446.7	1207.0	982.3	804.2	675.4	580.9	506.9	474.0	467.2
55°	2100.2	1750.9	1470.0	1163.2	911.1	716.5	580.9	480.9	406.9	390.5	380.9
57.5°	2471.5	1903.0	1493.3	1094.7	805.6	602.8	469.9	383.6	328.8	312.4	304.1
60°	3068.9	2193.4	1546.8	990.5	661.7	475.4	358.9	287.7	250.7	241.1	237.0
62.5°	3349.7	2270.1	1464.6	833.0	506.9	338.4	252.1	202.8	183.6	180.8	183.6
64°	3260.7	2140.0	1305.6	711.0	404.2	261.7	194.5	161.7	150.7	149.3	154.8
65°	3103.1	1992.0	1185.1	627.5	335.7	216.5	163.0	139.7	131.5	134.3	138.4
67.5°	2563.3	1539.9	802.8	375.4	194.5	132.9	111.0	100.0	101.4	104.1	109.6
70°	2001.6	1031.6	437.0	194.5	116.5	90.4	83.6	79.5	82.2	86.3	91.8
72.5°	1372.8	576.8	208.2	111.0	86.3	72.6	71.2	69.9	72.6	76.7	82.2
75°	719.3	241.1	117.8	87.7	75.4	65.8	67.1	65.8	68.5	72.6	76.7
77.5°	227.4	130.2	98.6	80.8	71.2	61.7	63.0	64.4	67.1	69.9	72.6
80°	123.3	108.2	89.1	75.4	67.1	57.5	60.3	61.7	65.8	67.1	67.1
82.5°	112.3	94.5	78.1	68.5	64.4	56.2	61.7	61.7	61.7	61.7	61.7
85°	98.6	76.7	64.4	60.3	60.3	53.4	57.5	57.5	54.8	54.8	52.1
87.5°	76.7	56.2	54.8	60.3	56.2	38.4	49.3	46.6	42.5	42.5	41.1
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):

	165°	170°	175°	180°
0°	135.6	135.6	135.6	135.6
2.5°	224.7	226.1	220.6	220.6
5°	141.1	142.5	141.1	141.1
7.5°	230.2	227.4	235.6	227.4
10°	231.5	224.7	223.3	224.7
12.5°	301.4	301.4	302.8	302.8
15°	301.4	300.0	302.8	301.4
17.5°	378.1	380.9	382.2	380.9
20°	382.2	383.6	394.6	386.3
22.5°	453.5	461.7	461.7	460.3
25°	472.7	532.9	545.3	543.9
27.5°	542.5	549.4	550.8	549.4
30°	617.9	620.6	627.5	624.7
32.5°	650.8	694.6	702.8	700.1
35°	705.6	693.2	722.0	750.8
37.5°	738.4	734.3	741.2	739.8
40°	768.6	775.4	783.7	776.8
42.5°	739.8	735.7	739.8	737.1
45°	680.9	682.3	679.5	676.8
47.5°	606.9	606.9	604.2	604.2
50°	528.8	531.6	520.6	522.0
52.5°	446.6	449.4	441.1	432.9
55°	369.9	371.3	360.3	357.6
57.5°	298.7	302.8	293.2	289.1
60°	237.0	238.4	235.6	235.6
62.5°	187.7	185.0	182.2	183.6
64°	158.9	160.3	156.2	158.9
65°	142.5	145.2	142.5	145.2
67.5°	113.7	117.8	116.5	117.8
70°	97.3	98.6	97.3	97.3
72.5°	86.3	87.7	84.9	83.6
75°	80.8	79.5	78.1	76.7
77.5°	74.0	74.0	71.2	69.9
80°	65.8	64.4	61.7	58.9
82.5°	60.3	57.5	50.7	46.6
85°	50.7	46.6	38.4	30.1
87.5°	41.1	37.0	23.3	12.3
90°	0.0	0.0	0.0	0.0

(END OF REPORT)