

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: P157176

Luminaire Tested: **UTLD-F03-LED-E-U-T3-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157176
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-T3-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6849.8 lumens
Efficiency: N/A
Efficacy: 87.5 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



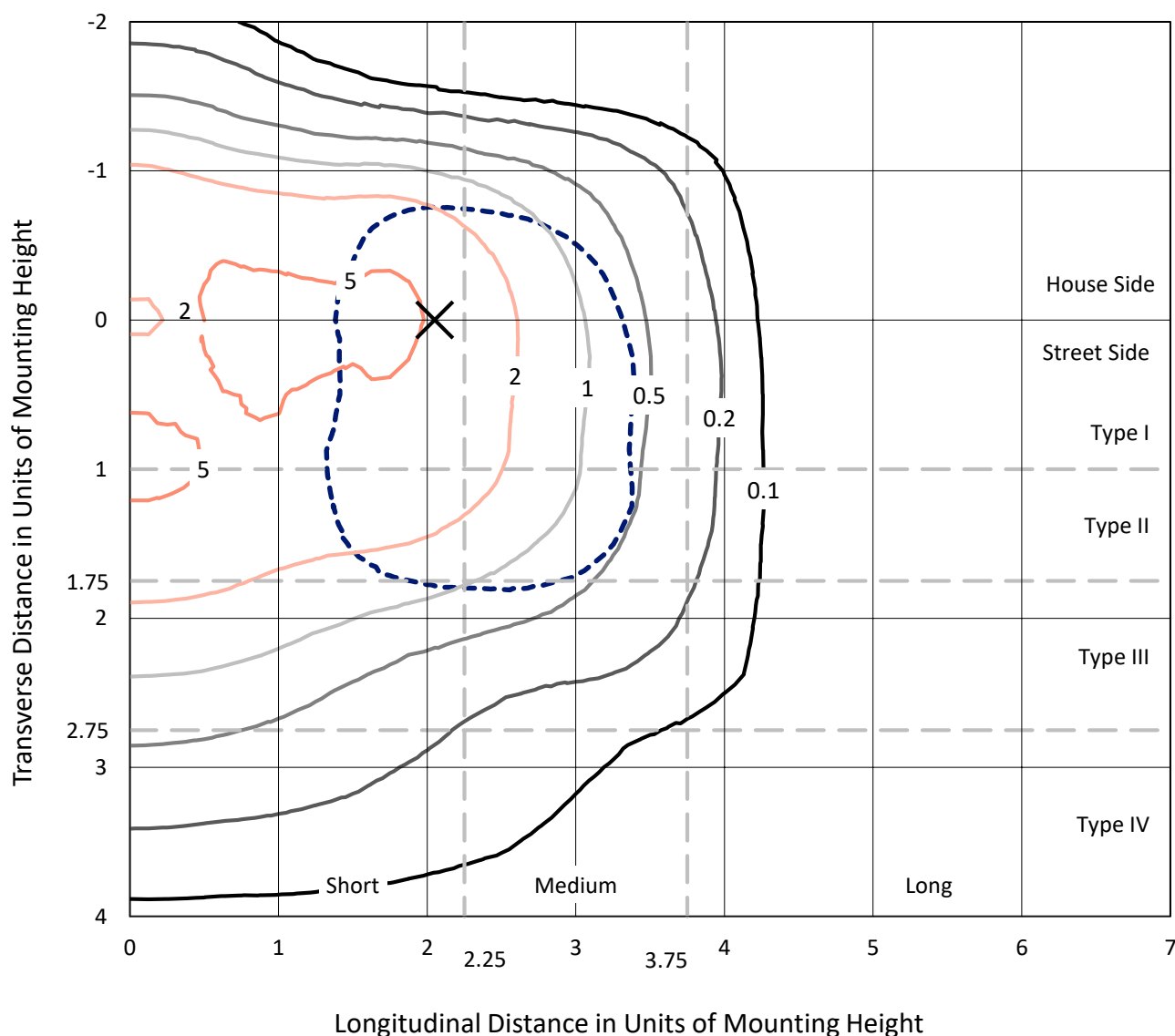
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

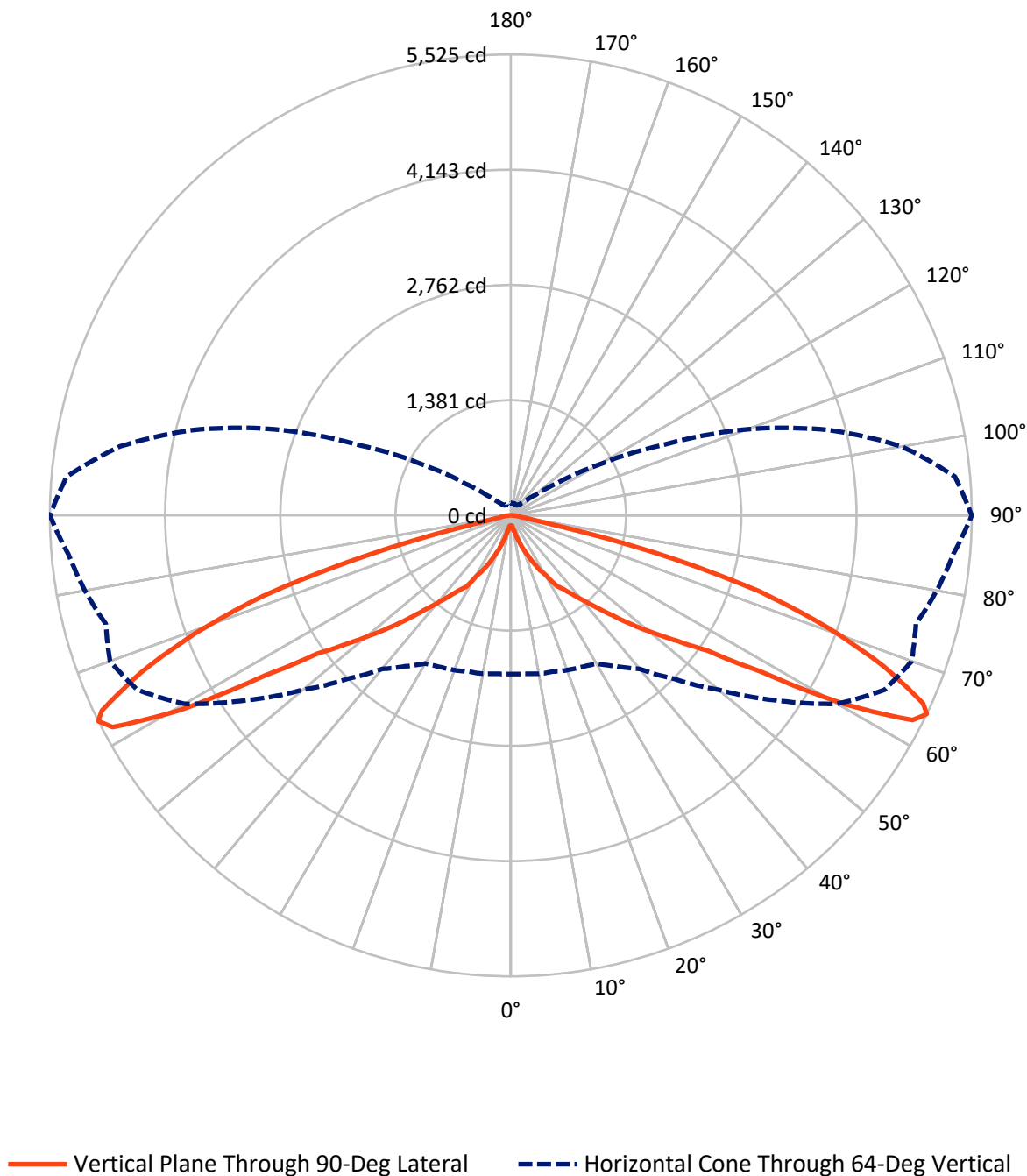


Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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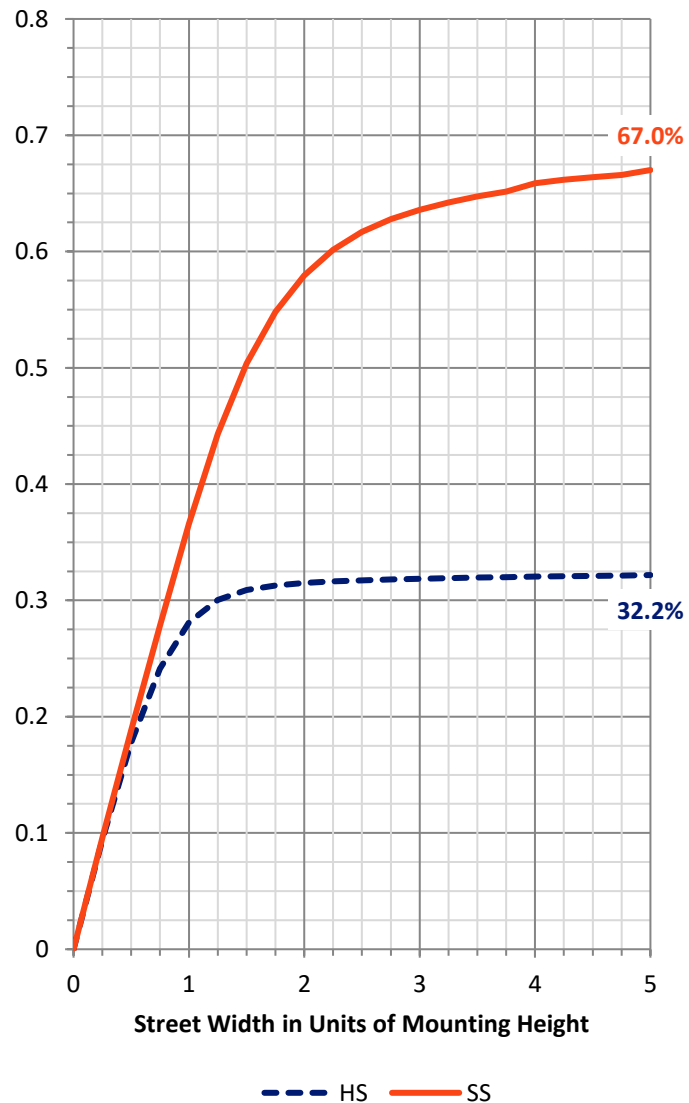
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2226.1	0.0	2226.1
	% Fixture	32.5	0.0	32.5
Street Side	Lumens	4623.7	0.0	4623.7
	% Fixture	67.5	0.0	67.5
Total	Lumens	6849.8	0.0	6849.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.8	0.2
10°-20°	90.0	1.3
20°-30°	265.2	3.9
30°-40°	560.5	8.2
40°-50°	982.6	14.3
50°-60°	1564.8	22.8
60°-70°	2194.4	32.0
70°-80°	993.9	14.5
80°-90°	181.5	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°	6849.8	100.0
0°-180°	6849.8	100.0

Coefficient of Utilization



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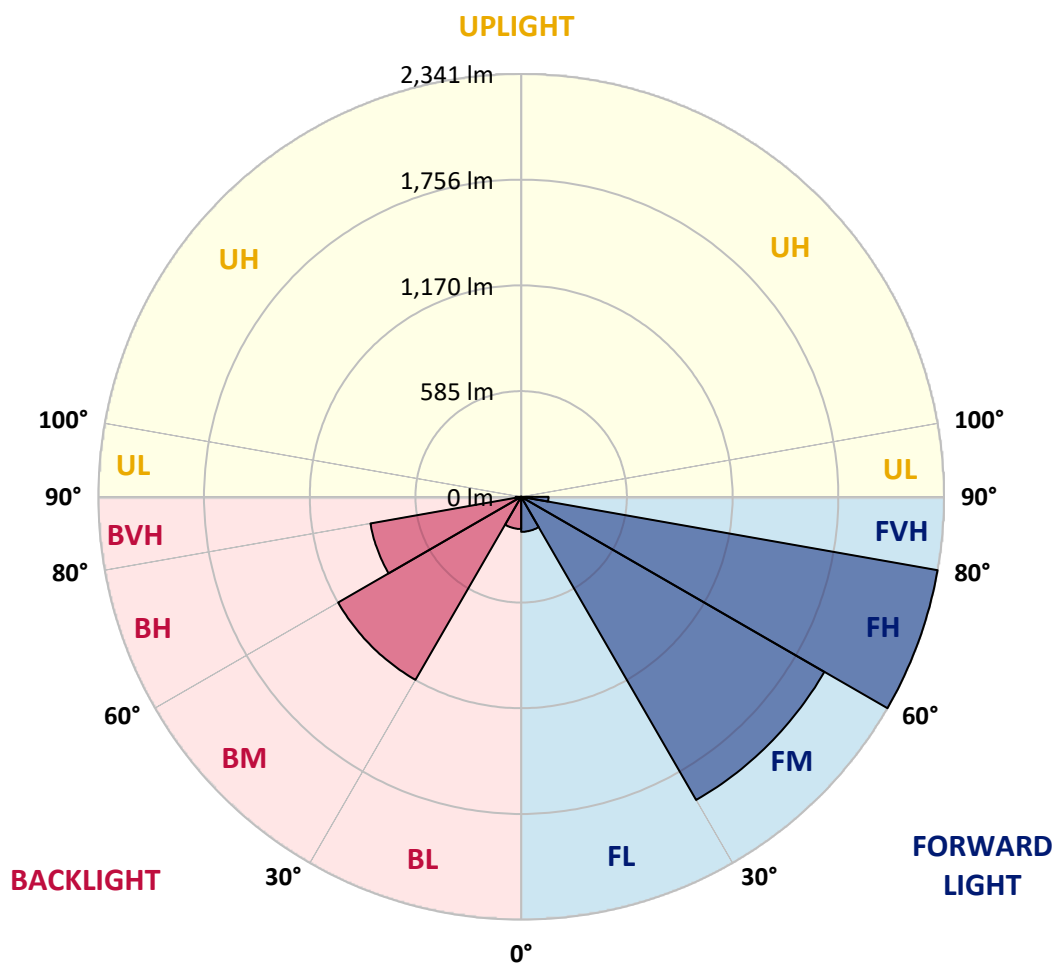
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	193.8	2.8			
FM	(30°-60°)	1937.9	28.3			
FH	(60°-80°)	2340.8	34.2			G2/5000
FVH	(80°-90°)	151.2	2.2			G2/225
BL	(0°-30°)	178.2	2.6	B1/500		
BM	(30°-60°)	1170.0	17.1	B2/2500		
BH	(60°-80°)	847.6	12.4	B2/1000		G2/1000
BVH	(80°-90°)	30.3	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°	125.8	125.8	125.8	125.8	125.8	125.8	125.8	125.8	125.8	125.8	125.8
2.5°	198.2	200.8	199.5	200.8	202.0	200.8	200.8	199.5	200.8	202.0	202.0
5°	161.4	162.6	162.6	161.4	162.6	162.6	162.6	162.6	162.6	162.6	162.6
7.5°	241.4	242.7	244.0	241.4	241.4	242.7	240.1	205.8	166.5	163.9	161.4
10°	241.4	242.7	242.7	240.1	241.4	242.7	242.7	241.4	233.8	232.5	232.5
12.5°	310.0	311.3	312.6	312.6	312.6	303.7	292.2	245.2	238.9	301.1	306.2
15°	313.8	313.8	313.8	308.8	308.8	303.7	307.5	363.4	359.6	316.4	311.3
17.5°	386.3	386.3	386.3	385.0	376.1	376.1	378.6	365.9	367.2	368.5	434.5
20°	470.1	472.7	438.4	401.5	387.5	432.0	433.3	425.7	467.6	416.8	438.4
22.5°	491.7	491.7	490.5	479.0	481.6	512.1	493.0	476.5	486.6	460.0	496.8
25°	584.5	584.5	576.9	566.7	551.4	537.5	552.7	550.2	527.3	524.8	585.8
27.5°	626.4	608.6	604.8	592.1	626.4	618.8	631.5	574.3	622.6	611.2	644.2
30°	719.2	717.9	705.2	716.6	716.6	687.4	664.5	691.2	701.4	679.8	754.7
32.5°	851.3	850.0	834.8	825.9	763.6	757.3	771.3	775.1	773.8	780.2	803.0
35°	994.9	993.6	909.8	893.2	870.4	865.3	864.0	843.7	867.8	837.3	898.3
37.5°	1090.2	1100.4	1052.1	1040.6	1011.4	978.4	951.7	964.4	935.2	931.4	975.8
40°	1280.8	1284.6	1241.4	1205.8	1180.4	1105.4	1078.8	1071.1	1061.0	1048.3	1108.0
42.5°	1459.9	1454.9	1416.7	1388.8	1357.0	1284.6	1207.1	1198.2	1195.6	1184.2	1236.3
45°	1634.0	1637.8	1593.3	1580.6	1529.8	1484.1	1377.3	1378.6	1371.0	1358.3	1405.3
47.5°	1792.8	1801.7	1777.6	1738.2	1697.5	1660.7	1579.4	1574.3	1556.5	1560.3	1616.2
50°	1926.2	1942.8	1919.9	1890.7	1853.8	1828.4	1781.4	1770.0	1759.8	1770.0	1831.0
52.5°	2017.7	2031.7	2040.6	2003.8	2003.8	1970.7	1955.5	1944.0	1947.9	1978.3	2050.8
55°	2063.5	2076.2	2095.2	2069.8	2125.7	2077.5	2063.5	2080.0	2105.4	2160.0	2263.0
57.5°	2063.5	2071.1	2095.2	2100.3	2133.4	2099.1	2124.5	2160.0	2214.7	2310.0	2454.8
60°	2020.3	2026.6	2055.9	2059.7	2090.2	2082.5	2104.1	2205.8	2285.8	2443.4	2675.9
62.5°	1951.7	1955.5	1983.4	1991.1	2022.8	2038.1	2071.1	2218.5	2360.8	2635.3	3008.8
64°	1902.1	1904.6	1927.5	1939.0	1974.5	2003.8	2049.5	2208.3	2402.7	2769.9	3252.8
65°	1867.8	1867.8	1895.8	1900.8	1936.4	1974.5	2024.1	2184.2	2405.3	2820.8	3358.2
67.5°	1733.1	1726.8	1754.7	1767.4	1781.4	1811.9	1842.4	2008.8	2255.3	2740.7	3330.3
70°	1505.7	1490.4	1504.4	1494.2	1486.6	1472.6	1457.4	1573.0	1748.4	2236.3	2820.8
72.5°	1055.9	1055.9	1044.4	1068.6	1086.4	1104.2	1043.2	1057.2	1152.4	1467.6	1988.5
75°	709.0	716.6	737.0	795.4	852.6	904.7	925.0	926.3	846.2	870.4	1207.1
77.5°	420.6	437.1	452.3	521.0	594.6	703.9	800.5	894.5	916.1	903.4	874.2
80°	189.3	194.4	216.0	242.7	288.4	363.4	504.4	654.4	824.6	909.8	892.0
82.5°	64.8	71.2	85.1	101.6	120.7	153.7	228.7	308.8	471.4	668.3	831.0
85°	21.6	24.1	33.0	45.7	50.8	58.4	77.5	114.4	186.8	263.0	500.6
87.5°	8.9	11.4	15.2	22.9	25.4	25.4	26.7	34.3	34.3	34.3	137.2
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°	125.8	125.8	125.8	125.8	125.8	125.8	125.8	125.8	125.8	125.8	125.8
2.5°	166.5	153.7	136.0	132.1	127.1	125.8	124.5	124.5	123.2	124.5	124.5
5°	177.9	188.1	195.7	190.6	141.0	134.7	124.5	123.2	124.5	124.5	130.9
7.5°	161.4	161.4	153.7	176.6	177.9	132.1	122.0	124.5	125.8	127.1	147.4
10°	174.1	221.1	219.8	223.6	255.4	250.3	186.8	183.0	184.2	193.1	255.4
12.5°	310.0	287.2	226.2	236.3	233.8	259.2	199.5	191.9	196.9	245.2	238.9
15°	311.3	357.0	364.7	321.5	304.9	322.7	291.0	277.0	268.1	318.9	274.5
17.5°	369.7	365.9	373.6	344.3	325.3	320.2	350.7	343.1	329.1	306.2	284.6
20°	409.1	437.1	446.0	503.2	468.9	454.9	465.0	438.4	423.1	429.5	428.2
22.5°	501.9	541.3	512.1	523.5	533.7	569.2	556.5	515.9	526.0	528.6	512.1
25°	531.1	595.9	637.8	659.4	667.1	644.2	676.0	629.0	644.2	622.6	637.8
27.5°	658.2	662.0	695.0	687.4	739.5	766.2	764.9	739.5	745.9	758.6	775.1
30°	695.0	709.0	775.1	797.9	827.2	847.5	823.4	833.5	814.5	841.1	845.0
32.5°	810.7	797.9	822.1	918.7	986.0	1020.3	986.0	1006.3	984.7	993.6	949.1
35°	879.3	939.0	955.5	1001.2	1052.1	1100.4	1090.2	1086.4	1083.8	1101.6	1008.9
37.5°	1020.3	1033.0	1041.9	1100.4	1146.1	1209.6	1212.2	1198.2	1222.3	1171.5	1091.5
40°	1113.1	1133.4	1144.8	1184.2	1277.0	1327.8	1365.9	1338.0	1372.3	1270.6	1213.4
42.5°	1251.6	1242.7	1263.0	1324.0	1438.3	1468.8	1522.2	1504.4	1556.5	1447.2	1334.1
45°	1433.3	1425.6	1429.4	1468.8	1623.8	1645.4	1698.8	1712.8	1738.2	1602.2	1486.6
47.5°	1637.8	1641.6	1641.6	1681.0	1808.1	1851.3	1912.3	1954.2	1945.3	1767.4	1651.8
50°	1867.8	1885.6	1858.9	1913.5	2008.8	2086.3	2120.7	2210.9	2177.8	1997.4	1869.1
52.5°	2121.9	2151.1	2127.0	2172.7	2263.0	2360.8	2418.0	2503.1	2445.9	2294.7	2068.6
55°	2373.5	2424.3	2452.3	2501.8	2617.5	2710.2	2735.6	2856.3	2776.3	2627.6	2287.1
57.5°	2637.8	2745.8	2846.2	2913.5	3107.9	3215.9	3270.6	3532.3	3434.5	3276.9	2750.9
60°	2979.6	3307.4	3580.6	3731.8	3988.5	4099.0	4317.5	4594.5	4524.7	4292.1	3581.9
62.5°	3539.9	4123.1	4539.9	4734.3	4795.3	4938.9	5143.4	5405.2	5297.2	4761.0	4019.0
64°	3860.1	4518.3	4941.4	5112.9	5026.5	5184.1	5323.9	5524.6	5342.9	4757.2	3951.6
65°	3996.1	4665.7	5071.0	5233.7	5059.6	5189.2	5304.8	5430.6	5203.2	4632.7	3786.4
67.5°	4030.4	4675.9	5038.0	5134.5	4846.1	4808.0	4827.1	4814.4	4509.4	3988.5	3233.7
70°	3514.5	4133.3	4640.3	4763.5	4377.3	4172.7	4162.5	4040.6	3730.5	3320.1	2663.2
72.5°	2714.0	3254.0	3755.9	3922.4	3557.7	3396.3	3358.2	3118.1	2860.2	2480.2	2006.3
75°	1838.6	2275.7	2421.8	2432.0	2139.7	2053.3	1997.4	1780.1	1556.5	1393.9	1176.6
77.5°	1080.0	1260.4	1127.0	992.3	777.6	551.4	410.4	341.8	373.6	372.3	350.7
80°	913.6	857.7	693.8	537.5	386.3	218.5	158.8	134.7	137.2	139.8	137.2
82.5°	982.2	1045.7	886.9	630.2	472.7	278.3	134.7	96.6	110.5	122.0	116.9
85°	832.3	1020.3	950.4	681.0	507.0	292.2	95.3	63.5	81.3	100.4	106.7
87.5°	322.7	471.4	382.5	263.0	176.6	97.8	55.9	45.7	57.2	80.0	87.7
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°	125.8	125.8	125.8	125.8	125.8	125.8	125.8	125.8	125.8	125.8	125.8
2.5°	125.8	129.6	136.0	136.0	132.1	136.0	153.7	175.3	188.1	198.2	209.7
5°	130.9	171.5	199.5	203.3	198.2	143.6	133.4	133.4	138.5	143.6	132.1
7.5°	183.0	174.1	122.0	129.6	130.9	132.1	130.9	134.7	136.0	180.4	205.8
10°	208.4	189.3	184.2	153.7	143.6	200.8	200.8	202.0	209.7	210.9	209.7
12.5°	203.3	194.4	195.7	260.5	280.8	268.1	217.3	200.8	209.7	240.1	269.4
15°	271.9	289.7	307.5	269.4	282.1	273.2	321.5	334.2	275.7	271.9	280.8
17.5°	289.7	349.4	352.0	336.7	379.9	339.3	330.4	334.2	329.1	304.9	344.3
20°	477.8	444.7	414.2	379.9	411.7	399.0	391.3	395.2	391.3	392.6	346.9
22.5°	507.0	493.0	519.7	505.7	476.5	444.7	457.4	449.8	407.9	452.3	418.0
25°	659.4	649.3	592.1	527.3	571.8	505.7	475.2	505.7	498.1	463.8	463.8
27.5°	693.8	691.2	681.0	692.5	608.6	573.0	609.9	522.2	527.3	538.7	536.2
30°	803.0	801.8	716.6	726.8	721.7	659.4	635.3	644.2	584.5	574.3	597.2
32.5°	919.9	843.7	820.8	828.4	768.7	728.1	715.4	665.8	642.9	631.5	594.6
35°	970.7	968.2	947.9	875.5	852.6	776.3	764.9	707.7	686.1	678.5	659.4
37.5°	1038.1	1035.5	1013.9	975.8	921.2	831.0	791.6	753.5	705.2	674.7	698.8
40°	1128.3	1109.2	1087.6	1025.4	950.4	869.1	813.2	747.1	716.6	687.4	721.7
42.5°	1288.4	1203.3	1149.9	1071.1	970.7	872.9	810.7	747.1	688.7	679.8	684.9
45°	1429.4	1293.5	1202.0	1100.4	979.6	865.3	786.5	714.1	673.4	639.1	637.8
47.5°	1552.7	1396.4	1250.3	1123.2	974.6	845.0	750.9	673.4	622.6	589.6	574.3
50°	1668.3	1504.4	1299.8	1130.8	953.0	805.6	700.1	617.5	554.0	517.1	513.3
52.5°	1783.9	1580.6	1341.8	1119.4	911.0	745.9	626.4	538.7	470.1	439.6	433.3
55°	1947.9	1623.8	1363.4	1078.8	845.0	664.5	538.7	446.0	377.4	362.1	353.2
57.5°	2292.2	1764.9	1385.0	1015.2	747.1	559.1	435.8	355.8	304.9	289.7	282.1
60°	2846.2	2034.3	1434.5	918.7	613.7	440.9	332.9	266.8	232.5	223.6	219.8
62.5°	3106.6	2105.4	1358.3	772.5	470.1	313.8	233.8	188.1	170.3	167.7	170.3
64°	3024.1	1984.7	1210.9	659.4	374.8	242.7	180.4	149.9	139.8	138.5	143.6
65°	2877.9	1847.5	1099.1	581.9	311.3	200.8	151.2	129.6	122.0	124.5	128.3
67.5°	2377.3	1428.2	744.6	348.1	180.4	123.2	102.9	92.8	94.0	96.6	101.6
70°	1856.4	956.8	405.3	180.4	108.0	83.9	77.5	73.7	76.2	80.0	85.1
72.5°	1273.2	534.9	193.1	102.9	80.0	67.3	66.1	64.8	67.3	71.2	76.2
75°	667.1	223.6	109.3	81.3	69.9	61.0	62.3	61.0	63.5	67.3	71.2
77.5°	210.9	120.7	91.5	75.0	66.1	57.2	58.4	59.7	62.3	64.8	67.3
80°	114.4	100.4	82.6	69.9	62.3	53.4	55.9	57.2	61.0	62.3	62.3
82.5°	104.2	87.7	72.4	63.5	59.7	52.1	57.2	57.2	57.2	57.2	57.2
85°	91.5	71.2	59.7	55.9	55.9	49.6	53.4	53.4	50.8	50.8	48.3
87.5°	71.2	52.1	50.8	55.9	52.1	35.6	45.7	43.2	39.4	39.4	38.1
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°	125.8	125.8	125.8	125.8
2.5°	208.4	209.7	204.6	204.6
5°	130.9	132.1	130.9	130.9
7.5°	213.5	210.9	218.5	210.9
10°	214.7	208.4	207.1	208.4
12.5°	279.5	279.5	280.8	280.8
15°	279.5	278.3	280.8	279.5
17.5°	350.7	353.2	354.5	353.2
20°	354.5	355.8	365.9	358.3
22.5°	420.6	428.2	428.2	426.9
25°	438.4	494.3	505.7	504.4
27.5°	503.2	509.5	510.8	509.5
30°	573.0	575.6	581.9	579.4
32.5°	603.5	644.2	651.8	649.3
35°	654.4	642.9	669.6	696.3
37.5°	684.9	681.0	687.4	686.1
40°	712.8	719.2	726.8	720.4
42.5°	686.1	682.3	686.1	683.6
45°	631.5	632.8	630.2	627.7
47.5°	562.9	562.9	560.3	560.3
50°	490.5	493.0	482.8	484.1
52.5°	414.2	416.8	409.1	401.5
55°	343.1	344.3	334.2	331.6
57.5°	277.0	280.8	271.9	268.1
60°	219.8	221.1	218.5	218.5
62.5°	174.1	171.5	169.0	170.3
64°	147.4	148.7	144.8	147.4
65°	132.1	134.7	132.1	134.7
67.5°	105.5	109.3	108.0	109.3
70°	90.2	91.5	90.2	90.2
72.5°	80.0	81.3	78.8	77.5
75°	75.0	73.7	72.4	71.2
77.5°	68.6	68.6	66.1	64.8
80°	61.0	59.7	57.2	54.6
82.5°	55.9	53.4	47.0	43.2
85°	47.0	43.2	35.6	28.0
87.5°	38.1	34.3	21.6	11.4
90°	0.0	0.0	0.0	0.0

(END OF REPORT)