

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: P157201

Luminaire Tested: **UTLD-E03-LED-E-U-T4-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P157201  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33663)  
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-T4-7050  
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT  
Light Source: (63) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8117.4 lumens  
Efficiency: N/A  
Efficacy: 107.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G2

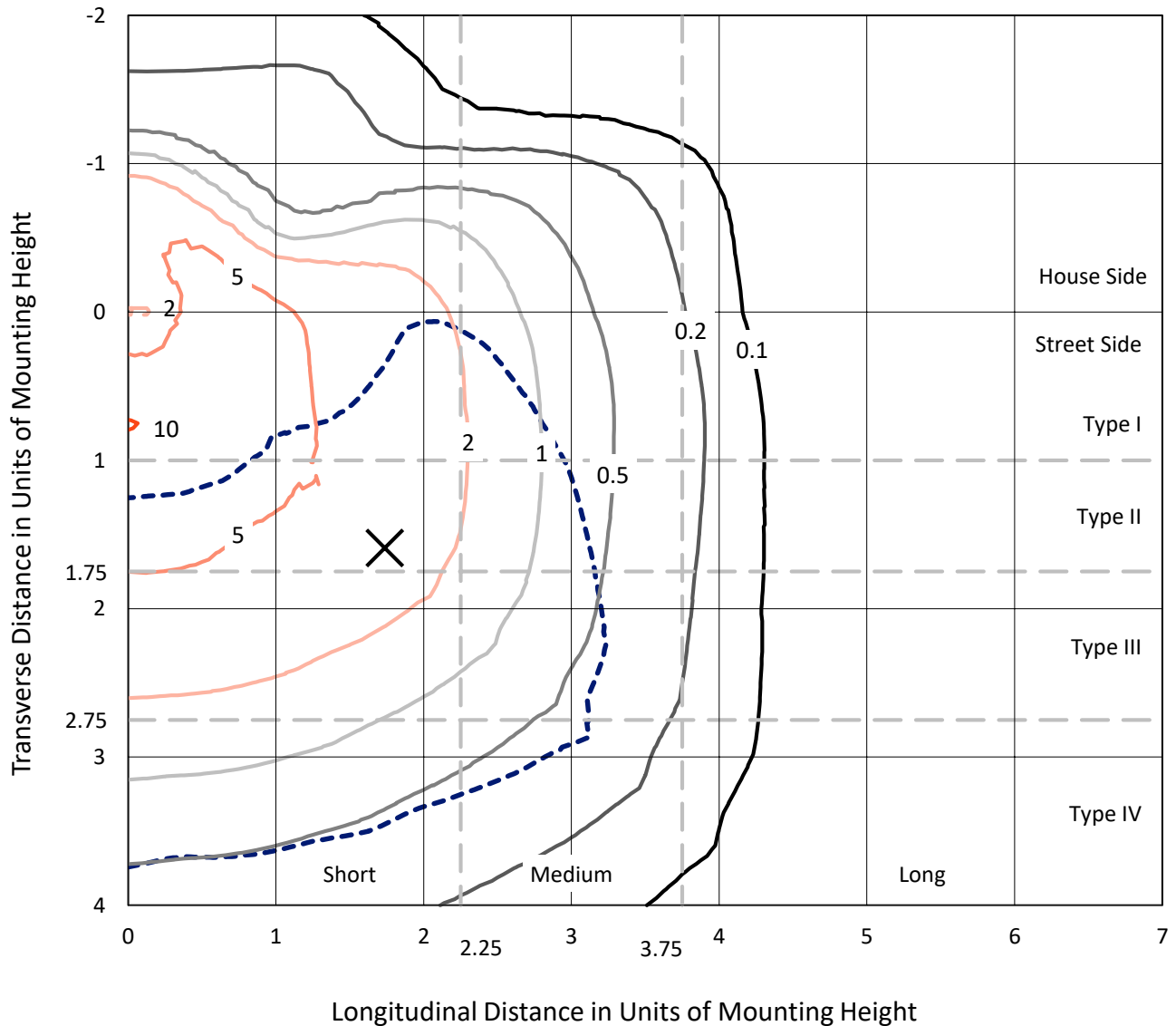
Input Watts (W): 75.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

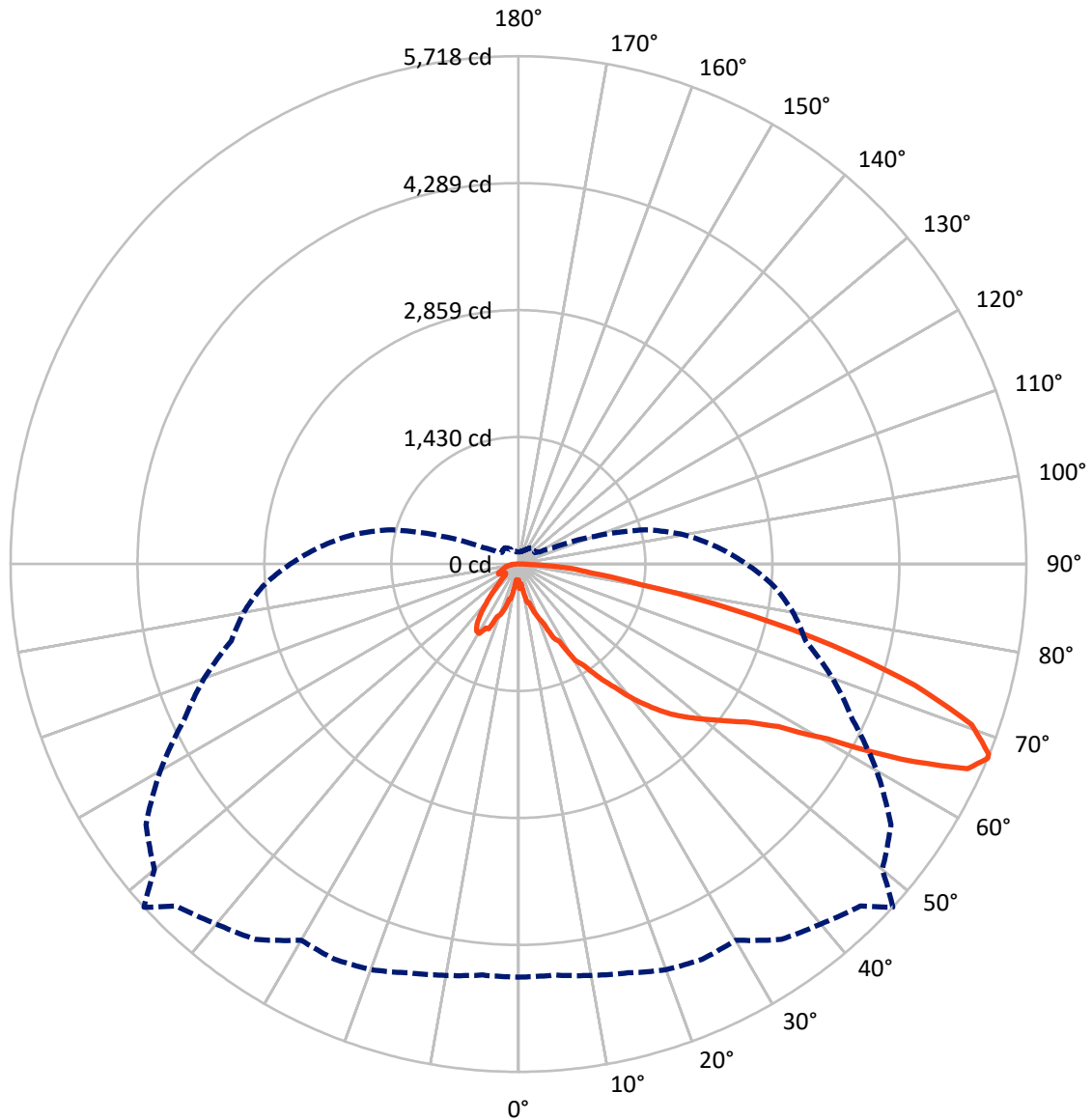


Based on 10 foot mounting height. Maximum calculated value = 10.2 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47.5-Deg Lateral    - - - Horizontal Cone Through 67-Deg Vertical



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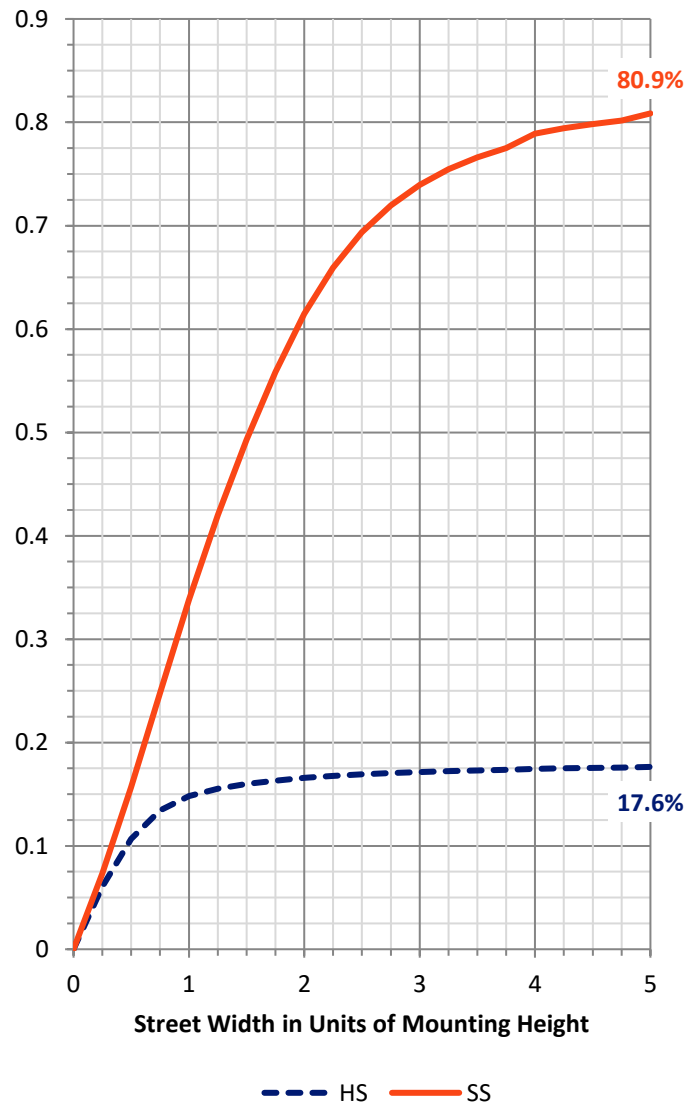
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1457.0	0.0	1457.0
	% Fixture	17.9	0.0	17.9
<b>Street Side</b>	Lumens	6660.4	0.0	6660.4
	% Fixture	82.1	0.0	82.1
<b>Total</b>	Lumens	8117.4	0.0	8117.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.7	0.3
10°-20°	133.1	1.6
20°-30°	392.3	4.8
30°-40°	771.3	9.5
40°-50°	1077.1	13.3
50°-60°	1501.6	18.5
60°-70°	2406.2	29.6
70°-80°	1543.6	19.0
80°-90°	268.5	3.3
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°	8117.4	100.0
0°-180°	8117.4	100.0

**Coefficient of Utilization**



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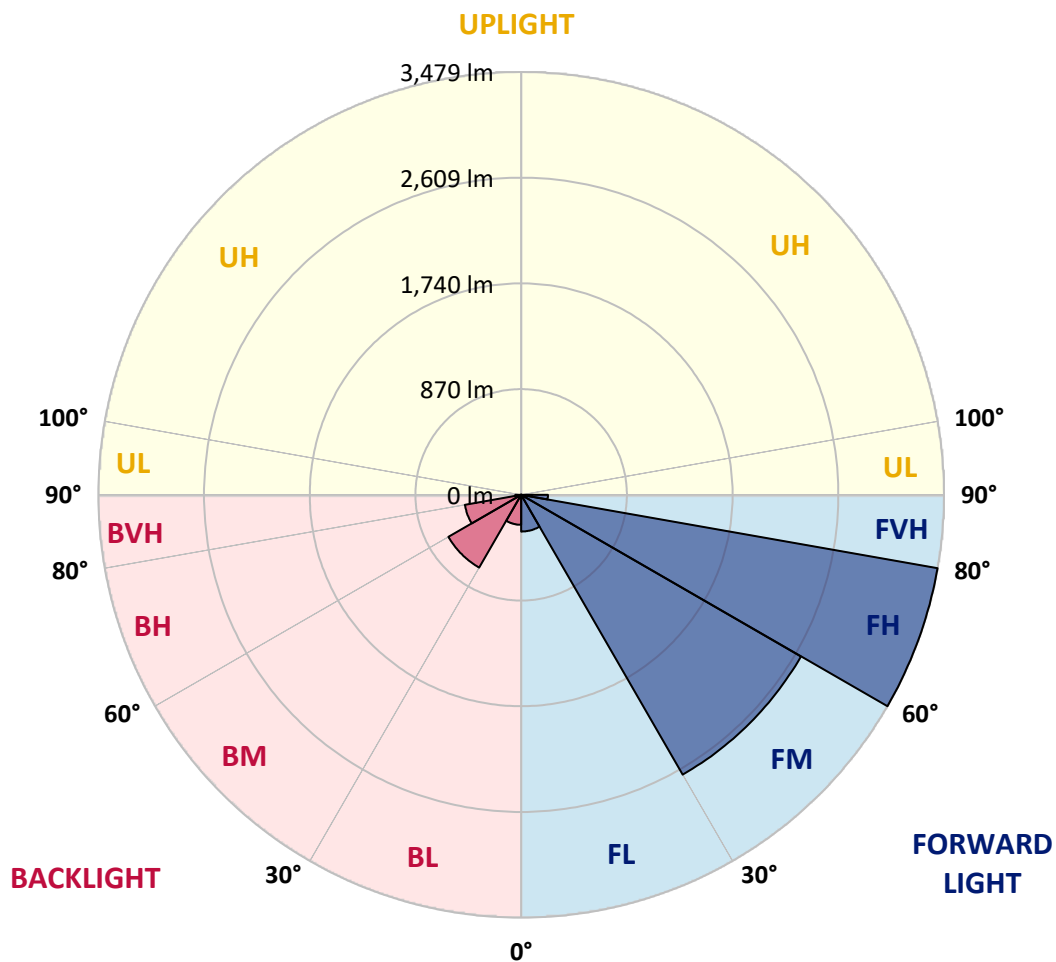
CATALOG NUMBER: UTLD-E03-LED-E-U-T4-7050

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	302.4	3.7			
FM	(30°-60°)	2658.7	32.8			
FH	(60°-80°)	3479.3	42.9			G2/5000
FVH	(80°-90°)	220.1	2.7			G2/225
BL	(0°-30°)	246.8	3.0	B1/500		
BM	(30°-60°)	691.3	8.5	B1/1000		
BH	(60°-80°)	470.5	5.8	B1/500		G1/500
BVH	(80°-90°)	48.4	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	47.5°
0°	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1
2.5°	280.1	281.7	280.1	281.7	281.7	280.1	280.1	280.1	284.7	270.9	277.0
5°	221.6	223.2	223.2	223.2	223.2	223.2	224.7	229.3	224.7	226.3	226.3
7.5°	338.6	341.7	341.7	338.6	340.2	340.2	338.6	241.6	234.0	229.3	224.7
10°	346.3	349.4	349.4	343.2	344.8	346.3	346.3	344.8	341.7	330.9	329.4
12.5°	469.4	471.0	469.4	467.9	464.8	449.4	412.5	358.6	341.7	432.5	440.2
15°	503.3	501.8	498.7	491.0	486.4	478.7	469.4	546.4	537.2	464.8	455.6
17.5°	638.8	638.8	635.7	634.1	614.1	608.0	589.5	578.7	567.9	552.6	561.8
20°	774.2	766.5	698.8	661.8	638.8	708.0	706.5	686.5	703.4	646.4	644.9
22.5°	823.4	818.8	812.7	792.7	786.5	834.2	788.0	774.2	789.6	729.6	728.0
25°	1015.8	1014.3	986.6	971.2	923.5	898.9	915.8	903.5	860.4	858.9	922.0
27.5°	1099.0	1088.2	1068.2	1042.0	1089.7	1069.7	1072.8	968.1	1049.7	1008.1	991.2
30°	1312.9	1317.5	1282.1	1294.4	1283.7	1188.2	1157.4	1186.7	1182.1	1149.8	1252.9
32.5°	1580.7	1579.2	1540.7	1471.4	1377.5	1359.1	1377.5	1351.4	1342.1	1336.0	1366.8
35°	1876.2	1854.7	1722.3	1690.0	1637.7	1599.2	1583.8	1517.6	1545.3	1469.9	1573.0
37.5°	2019.4	2022.5	1971.7	1971.7	1916.3	1859.3	1788.5	1796.2	1736.2	1690.0	1762.3
40°	2231.8	2239.5	2191.8	2165.6	2141.0	2051.7	2004.0	1968.6	1967.0	1925.5	1999.4
42.5°	2334.9	2347.2	2304.1	2290.3	2307.2	2248.7	2171.8	2170.2	2179.4	2122.5	2208.7
45°	2441.1	2456.5	2411.9	2430.3	2411.9	2402.6	2299.5	2351.8	2378.0	2314.9	2408.8
47.5°	2565.8	2585.8	2568.9	2558.1	2539.6	2539.6	2464.2	2499.6	2538.1	2484.2	2582.7
50°	2721.2	2735.1	2716.6	2712.0	2684.3	2679.7	2630.4	2655.0	2685.8	2630.4	2747.4
52.5°	2927.5	2930.6	2918.2	2890.5	2849.0	2858.2	2829.0	2830.5	2842.8	2805.9	2935.2
55°	3187.6	3190.7	3189.1	3124.5	3163.0	3092.2	3044.5	3053.7	3047.5	3018.3	3141.4
57.5°	3512.4	3532.4	3541.6	3484.7	3520.1	3389.2	3361.5	3344.6	3366.1	3300.0	3450.8
60°	4029.5	4060.3	4044.9	4035.7	4008.0	3886.4	3851.0	3900.2	3877.1	3818.7	3998.7
62.5°	4692.9	4685.2	4723.7	4717.5	4725.2	4603.6	4520.5	4640.6	4680.6	4703.7	4840.7
65°	4863.7	4865.3	4914.5	4926.8	4986.9	4974.6	4917.6	5126.9	5194.7	5291.6	5557.9
67°	4651.3	4645.2	4703.7	4765.2	4860.7	4908.4	4889.9	5159.3	5291.6	5445.5	5718.0
67.5°	4585.2	4572.8	4635.9	4716.0	4814.5	4873.0	4859.1	5137.7	5276.2	5444.0	5710.3
70°	4152.6	4109.6	4189.6	4297.3	4386.6	4520.5	4526.7	4791.4	4983.8	5163.9	5411.7
72.5°	3598.6	3541.6	3613.9	3695.5	3761.7	3917.2	3926.4	4098.8	4295.8	4442.0	4671.3
75°	2856.7	2782.8	2850.5	2890.5	2915.2	3041.4	3052.2	3203.0	3347.7	3460.0	3637.0
77.5°	1767.0	1717.7	1773.1	1839.3	1922.4	1977.8	2008.6	2101.0	2259.5	2385.7	2481.1
80°	885.0	920.4	978.9	1068.2	1137.4	1234.4	1274.4	1280.6	1346.8	1337.5	1397.6
82.5°	615.7	654.1	737.3	794.2	815.8	846.5	895.8	880.4	835.8	828.1	821.9
85°	157.0	244.7	449.4	544.9	566.4	598.7	643.4	669.5	600.3	543.3	554.1
87.5°	43.1	52.3	153.9	227.8	246.3	181.6	235.5	281.7	183.2	121.6	127.8
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):**

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1
2.5°	249.3	221.6	209.3	190.9	186.2	184.7	181.6	181.6	180.1	180.1	180.1
5°	230.9	255.5	277.0	283.2	270.9	201.6	195.5	184.7	183.2	183.2	184.7
7.5°	226.3	229.3	230.9	221.6	258.6	260.1	187.8	184.7	184.7	184.7	186.2
10°	329.4	244.7	307.8	318.6	326.3	380.2	375.6	284.7	274.0	280.1	289.4
12.5°	443.3	455.6	406.3	329.4	337.1	340.2	381.7	295.5	278.6	289.4	349.4
15°	454.1	452.5	474.1	531.0	461.7	447.9	477.1	409.4	406.3	381.7	446.4
17.5°	643.4	551.0	535.6	540.2	494.1	472.5	438.7	475.6	431.0	418.7	409.4
20°	668.0	612.6	584.9	681.8	741.9	678.8	644.9	655.7	617.2	594.1	589.5
22.5°	726.5	791.1	817.3	755.7	755.7	746.5	814.2	765.0	743.4	718.8	708.0
25°	946.6	841.9	923.5	989.7	957.4	932.7	881.9	898.9	829.6	828.1	797.3
27.5°	1035.9	1097.4	1068.2	1074.3	1023.5	1102.0	1068.2	1031.2	966.6	954.3	969.7
30°	1265.2	1202.1	1229.8	1251.3	1228.2	1223.6	1188.2	1135.9	1089.7	1055.9	1051.2
32.5°	1359.1	1402.2	1389.9	1363.7	1440.7	1463.7	1442.2	1319.1	1277.5	1189.8	1189.8
35°	1545.3	1523.8	1631.5	1605.3	1574.6	1545.3	1525.3	1440.7	1349.8	1257.5	1232.9
37.5°	1750.0	1773.1	1770.0	1719.2	1666.9	1613.0	1591.5	1509.9	1408.3	1325.2	1214.4
40°	1960.9	1917.8	1896.2	1851.6	1756.2	1708.5	1676.1	1630.0	1474.5	1380.6	1219.0
42.5°	2157.9	2128.7	2027.1	1960.9	1891.6	1822.4	1731.6	1694.6	1537.6	1417.6	1203.6
45°	2339.5	2288.7	2179.4	2094.8	1980.9	1925.5	1797.7	1728.5	1606.9	1420.6	1162.1
47.5°	2491.9	2439.6	2328.7	2185.6	2080.9	2000.9	1880.9	1820.8	1673.1	1456.0	1162.1
50°	2639.7	2579.6	2459.6	2257.9	2164.1	2030.1	1965.5	1880.9	1756.2	1508.4	1197.5
52.5°	2801.3	2728.9	2585.8	2356.5	2248.7	2117.9	2048.6	1977.8	1863.9	1580.7	1256.0
55°	3001.4	2915.2	2728.9	2507.3	2353.4	2234.9	2168.7	2094.8	1976.3	1663.8	1328.3
57.5°	3289.2	3167.6	2947.5	2744.3	2556.5	2455.0	2361.1	2259.5	2156.4	1810.0	1446.8
60°	3781.7	3649.3	3366.1	3183.0	2978.3	2842.8	2693.5	2613.5	2455.0	2088.6	1642.3
62.5°	4600.5	4431.2	4163.4	3818.7	3526.2	3250.7	3095.2	2979.8	2744.3	2333.4	1893.2
65°	5208.5	4973.0	4614.4	4169.6	3818.7	3407.7	3256.9	3019.8	2738.2	2350.3	1965.5
67°	5348.6	5119.2	4657.5	4152.6	3764.8	3347.7	3141.4	2892.1	2567.3	2237.9	1896.2
67.5°	5345.5	5120.8	4634.4	4123.4	3734.0	3316.9	3095.2	2841.3	2510.4	2202.5	1874.7
70°	5039.2	4857.6	4332.7	3817.1	3410.8	3024.4	2733.5	2495.0	2181.0	1936.3	1651.5
72.5°	4289.6	4178.8	3697.1	3229.2	2853.6	2530.4	2308.7	2071.7	1788.5	1599.2	1392.9
75°	3349.2	3192.2	2725.8	2361.1	2057.9	1842.4	1665.4	1453.0	1229.8	1120.5	1042.0
77.5°	2231.8	2077.9	1642.3	1283.7	1068.2	886.6	751.1	600.3	466.4	478.7	515.6
80°	1212.9	1089.7	785.0	566.4	461.7	374.0	314.0	240.1	175.5	210.9	240.1
82.5°	737.3	646.4	501.8	392.5	321.7	272.4	221.6	164.7	126.2	143.1	173.9
85°	512.5	452.5	358.6	281.7	229.3	183.2	143.1	106.2	100.0	109.3	124.7
87.5°	170.8	212.4	161.6	130.8	126.2	113.9	95.4	77.0	60.0	75.4	97.0
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):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1
2.5°	181.6	183.2	190.9	195.5	195.5	190.9	221.6	218.6	266.3	269.4	281.7
5°	197.0	198.6	258.6	280.1	281.7	243.2	189.3	181.6	178.5	177.0	181.6
7.5°	223.2	260.1	235.5	169.3	175.5	175.5	178.5	177.0	178.5	210.9	289.4
10°	374.0	280.1	264.7	226.3	183.2	197.0	284.7	286.3	290.9	303.2	304.8
12.5°	329.4	287.8	270.9	272.4	375.6	403.3	389.4	297.1	301.7	309.4	361.7
15°	381.7	377.1	398.6	394.0	383.3	407.9	403.3	481.8	495.6	423.3	424.8
17.5°	390.9	394.0	484.8	497.1	487.9	534.1	504.8	498.7	509.5	501.8	477.1
20°	589.5	655.7	635.7	535.6	552.6	612.6	597.2	512.5	586.4	592.6	549.5
22.5°	617.2	675.7	694.2	751.1	748.0	628.0	646.4	675.7	614.1	586.4	640.3
25°	828.1	885.0	914.3	832.7	754.2	820.4	785.0	672.6	700.3	654.1	654.1
27.5°	1029.7	946.6	974.3	937.3	962.0	828.1	788.0	834.2	694.2	706.5	720.3
30°	1074.3	1054.3	1074.3	1029.7	965.1	942.0	855.8	817.3	828.1	724.9	715.7
32.5°	1149.8	1114.4	1077.4	997.4	988.1	918.9	858.9	843.5	766.5	728.0	721.9
35°	1140.5	1058.9	1032.8	982.0	909.6	854.2	795.7	752.6	695.7	684.9	677.2
37.5°	1111.3	985.1	912.7	863.5	801.9	749.6	666.5	637.2	617.2	597.2	588.0
40°	1066.6	908.1	786.5	711.1	648.0	592.6	538.7	511.0	497.1	504.8	514.1
42.5°	988.1	818.8	651.1	564.9	498.7	454.1	418.7	406.3	401.7	409.4	424.8
45°	926.6	706.5	524.9	426.3	370.9	341.7	317.1	307.8	314.0	320.1	327.8
47.5°	898.9	620.3	420.2	321.7	278.6	263.2	247.8	240.1	243.2	247.8	254.0
50°	891.2	571.0	350.9	254.0	224.7	209.3	198.6	195.5	197.0	195.5	198.6
52.5°	892.7	571.0	318.6	223.2	197.0	184.7	175.5	172.4	167.8	166.2	167.8
55°	925.0	586.4	310.9	217.0	192.4	178.5	169.3	167.8	161.6	157.0	155.5
57.5°	1023.5	641.8	329.4	229.3	200.1	187.8	178.5	177.0	170.8	163.2	160.1
60°	1219.0	763.4	378.6	257.0	220.1	209.3	203.2	201.6	192.4	181.6	172.4
62.5°	1423.7	897.3	438.7	286.3	243.2	240.1	241.6	238.6	226.3	203.2	186.2
65°	1514.5	949.7	461.7	289.4	243.2	249.3	254.0	255.5	235.5	207.8	186.2
67°	1486.8	912.7	438.7	270.9	227.8	234.0	235.5	237.0	217.0	193.9	173.9
67.5°	1473.0	897.3	431.0	267.8	226.3	230.9	229.3	229.3	210.9	190.9	170.8
70°	1329.8	792.7	380.2	247.8	210.9	204.7	192.4	192.4	178.5	167.8	157.0
72.5°	1128.2	672.6	330.9	235.5	200.1	183.2	169.3	167.8	158.5	153.9	147.8
75°	861.9	523.3	290.9	223.2	189.3	169.3	153.9	155.5	146.2	144.7	141.6
77.5°	512.5	355.5	252.4	207.8	180.1	160.1	143.1	146.2	135.4	133.9	133.9
80°	255.5	237.0	209.3	180.1	157.0	141.6	124.7	124.7	117.0	115.4	120.1
82.5°	192.4	178.5	155.5	137.0	123.1	106.2	83.1	92.3	92.3	95.4	98.5
85°	143.1	127.8	110.8	97.0	89.3	80.0	64.6	70.8	72.3	78.5	81.6
87.5°	107.7	90.8	77.0	70.8	67.7	61.6	47.7	56.9	58.5	58.5	61.6
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):**

	160°	165°	170°	175°	180°
0°	180.1	180.1	180.1	180.1	180.1
2.5°	283.2	280.1	277.0	275.5	275.5
5°	178.5	173.9	173.9	173.9	172.4
7.5°	297.1	301.7	300.1	300.1	298.6
10°	304.8	303.2	304.8	303.2	304.8
12.5°	415.6	427.9	435.6	438.7	435.6
15°	438.7	437.1	438.7	440.2	438.7
17.5°	529.5	543.3	546.4	544.9	544.9
20°	521.8	534.1	535.6	543.3	535.6
22.5°	614.1	611.0	618.7	615.7	612.6
25°	644.9	617.2	684.9	689.5	684.9
27.5°	717.2	671.1	677.2	677.2	671.1
30°	745.0	724.9	729.6	735.7	734.2
32.5°	689.5	697.2	754.2	765.0	763.4
35°	678.8	689.5	681.8	691.1	721.9
37.5°	637.2	643.4	655.7	666.5	668.0
40°	555.6	580.3	598.7	606.4	612.6
42.5°	443.3	469.4	486.4	494.1	487.9
45°	344.8	361.7	375.6	380.2	375.6
47.5°	264.7	270.9	275.5	277.0	281.7
50°	203.2	203.2	204.7	201.6	201.6
52.5°	170.8	166.2	166.2	163.2	163.2
55°	155.5	152.4	150.8	147.8	147.8
57.5°	155.5	149.3	144.7	140.1	140.1
60°	161.6	150.8	141.6	137.0	135.4
62.5°	167.8	153.9	141.6	135.4	133.9
65°	164.7	152.4	141.6	135.4	133.9
67°	158.5	149.3	141.6	135.4	135.4
67.5°	157.0	149.3	141.6	135.4	133.9
70°	150.8	147.8	140.1	133.9	132.4
72.5°	144.7	141.6	133.9	127.8	126.2
75°	138.5	133.9	127.8	123.1	121.6
77.5°	130.8	124.7	118.5	112.4	109.3
80°	118.5	110.8	103.1	98.5	92.3
82.5°	100.0	98.5	89.3	83.1	77.0
85°	83.1	81.6	75.4	67.7	60.0
87.5°	63.1	64.6	60.0	52.3	36.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)