

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: P157205

Luminaire Tested: **UTLD-F03-LED-E-U-T4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P157205  
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-F03-LED-E-U-T4  
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT  
Light Source: (21) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6530.6 lumens  
Efficiency: N/A  
Efficacy: 83.4 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): 78.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

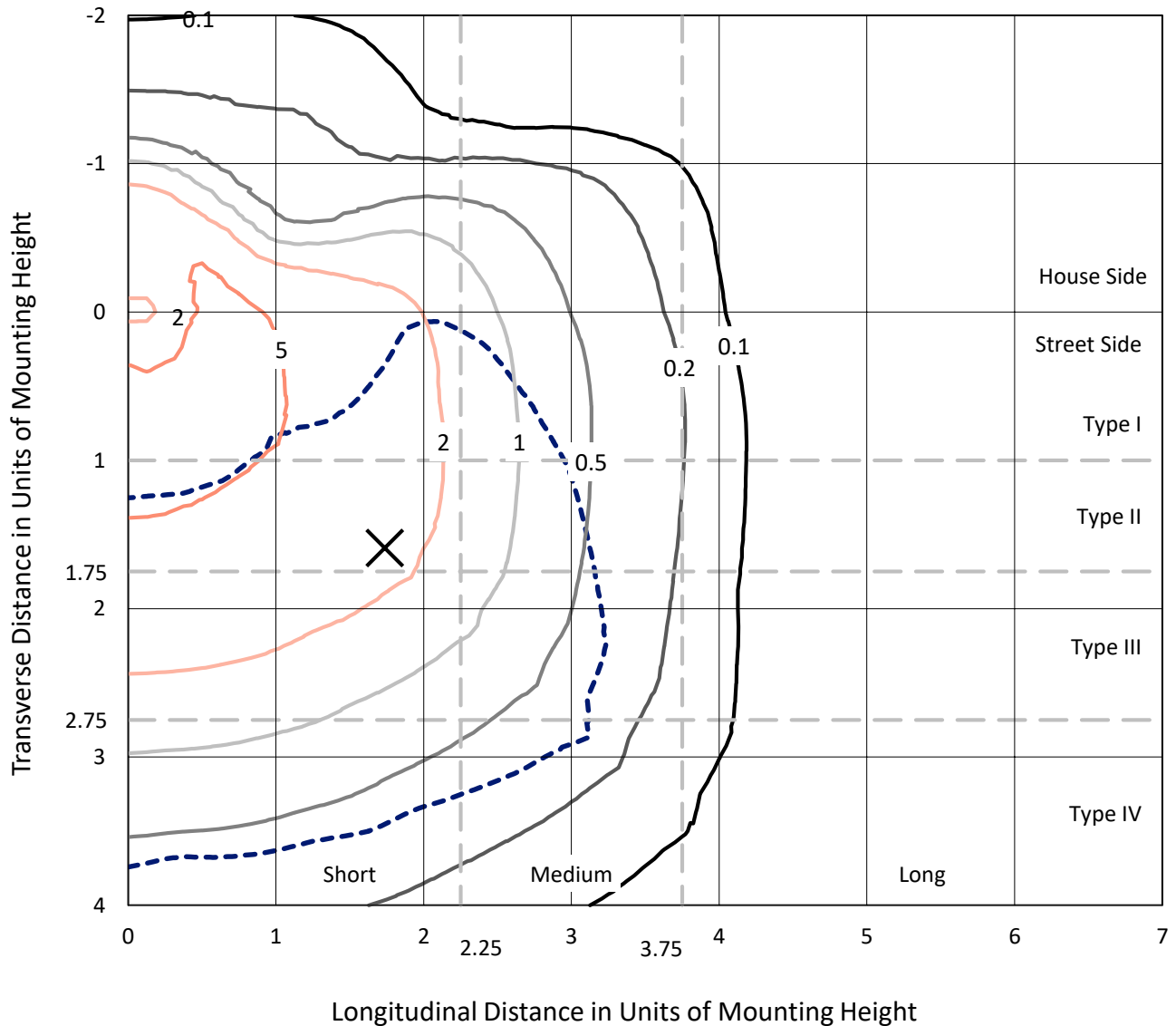


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

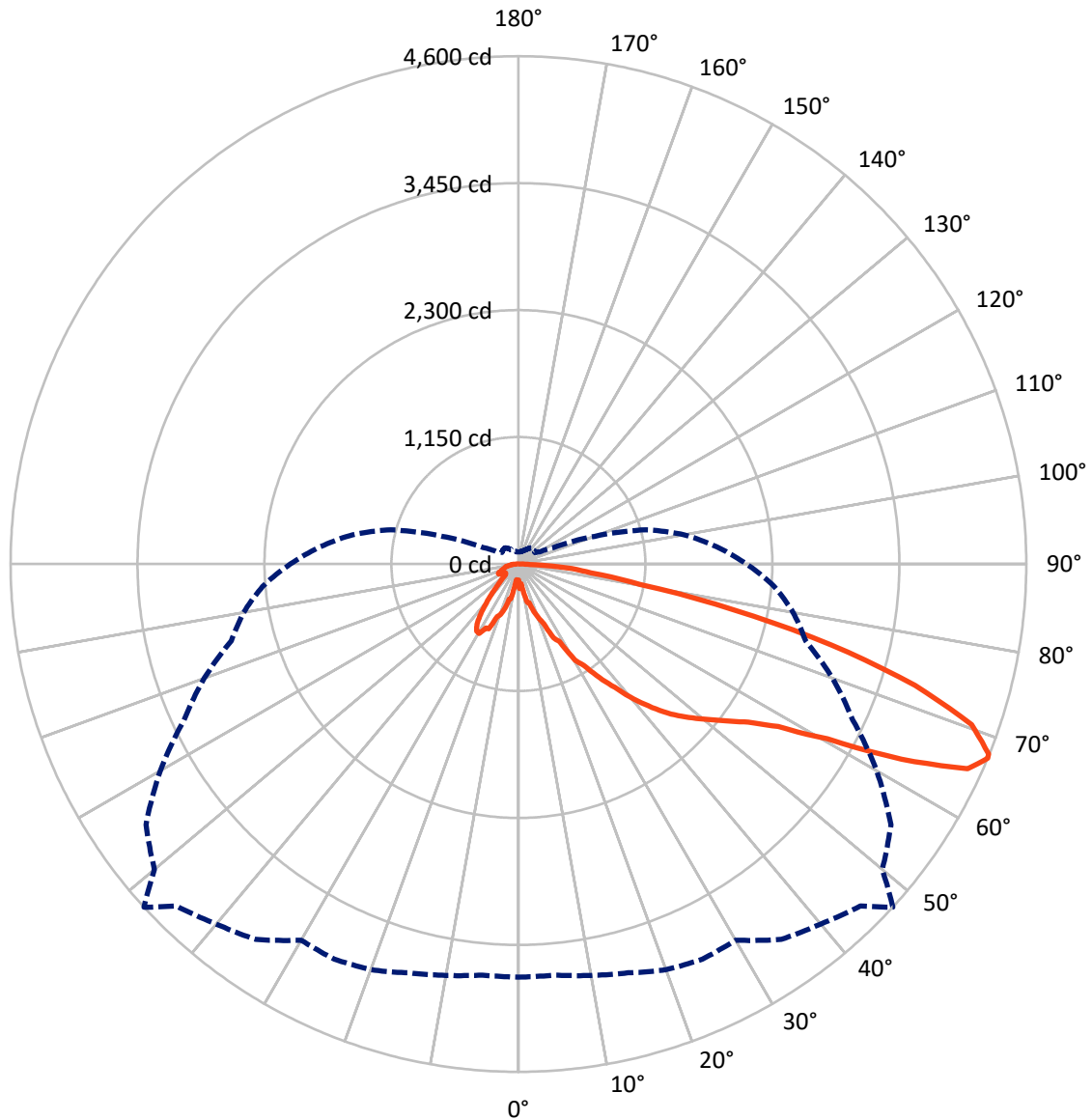


Based on 10 foot mounting height. Maximum calculated value = 8.2 fc  
 Type IV - Short - Semi-Cutoff

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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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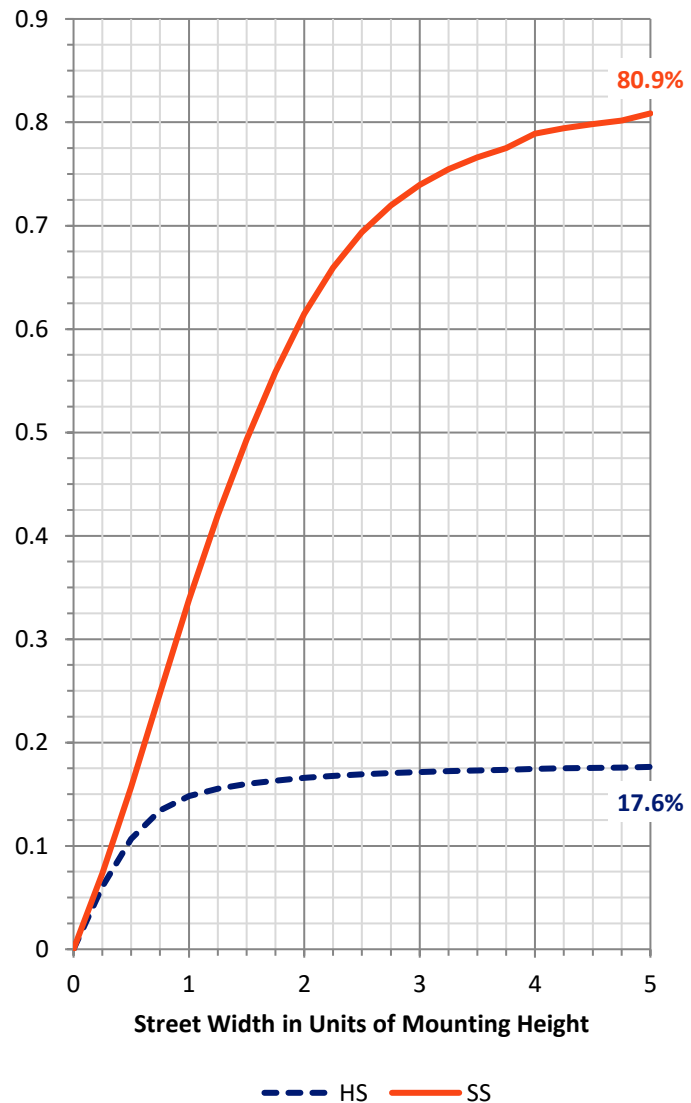
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1172.2	0.0	1172.2
	% Fixture	17.9	0.0	17.9
<b>Street Side</b>	Lumens	5358.5	0.0	5358.5
	% Fixture	82.1	0.0	82.1
<b>Total</b>	Lumens	6530.6	0.0	6530.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.1	0.3
10°-20°	107.1	1.6
20°-30°	315.6	4.8
30°-40°	620.6	9.5
40°-50°	866.5	13.3
50°-60°	1208.0	18.5
60°-70°	1935.8	29.6
70°-80°	1241.8	19.0
80°-90°	216.0	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°	6530.6	100.0
0°-180°	6530.6	100.0

**Coefficient of Utilization**



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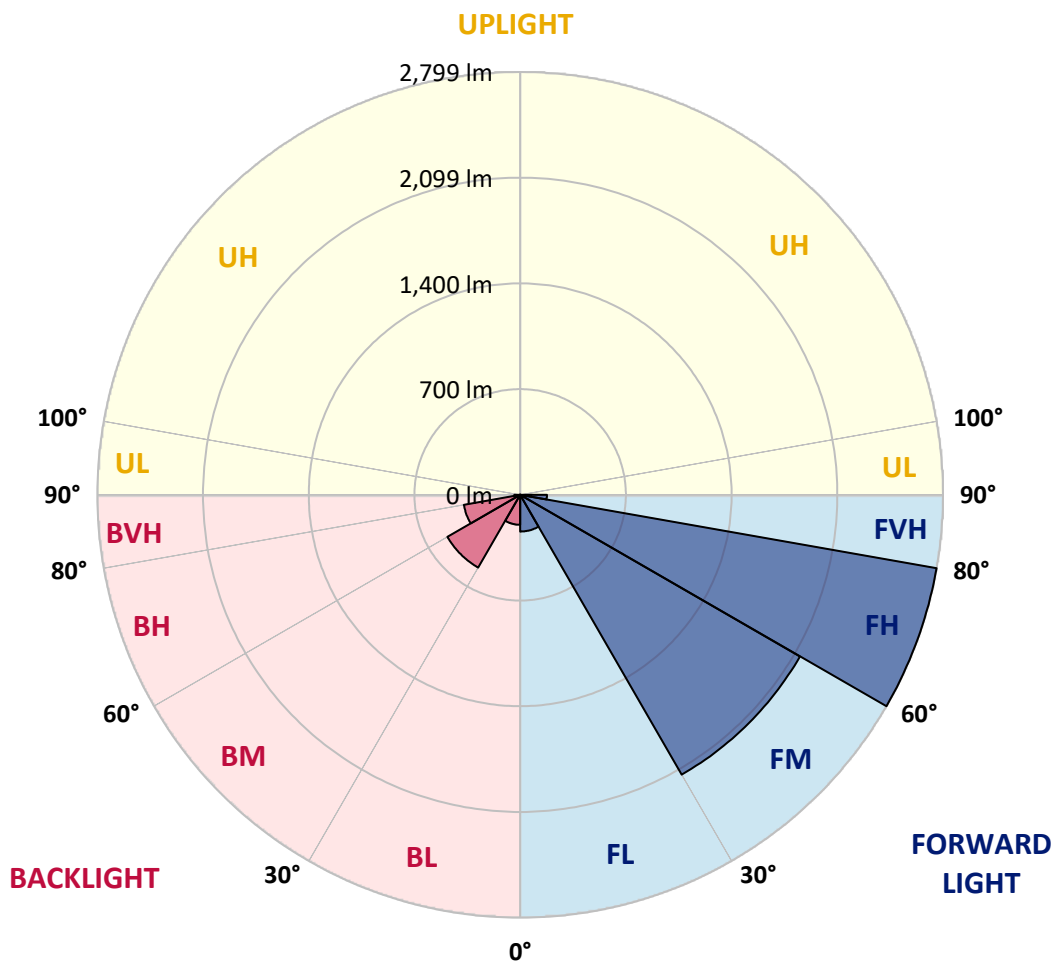
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	243.3	3.7			
FM	(30°-60°)	2138.9	32.8			
FH	(60°-80°)	2799.2	42.9			G2/5000
FVH	(80°-90°)	177.1	2.7			G2/225
BL	(0°-30°)	198.6	3.0	B1/500		
BM	(30°-60°)	556.2	8.5	B1/1000		
BH	(60°-80°)	378.5	5.8	B1/500		G1/500
BVH	(80°-90°)	39.0	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°	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9
2.5°	225.4	226.6	225.4	226.6	226.6	225.4	225.4	225.4	229.1	217.9	222.9
5°	178.3	179.6	179.6	179.6	179.6	179.6	180.8	184.5	180.8	182.0	182.0
7.5°	272.4	274.9	274.9	272.4	273.7	273.7	272.4	194.4	188.2	184.5	180.8
10°	278.6	281.1	281.1	276.1	277.4	278.6	278.6	277.4	274.9	266.2	265.0
12.5°	377.7	378.9	377.7	376.4	374.0	361.6	331.9	288.5	274.9	348.0	354.2
15°	404.9	403.7	401.2	395.0	391.3	385.1	377.7	439.6	432.2	374.0	366.5
17.5°	513.9	513.9	511.4	510.2	494.1	489.1	474.3	465.6	456.9	444.5	452.0
20°	622.9	616.7	562.2	532.5	513.9	569.6	568.4	552.3	565.9	520.1	518.8
22.5°	662.5	658.8	653.8	637.7	632.8	671.2	634.0	622.9	635.2	586.9	585.7
25°	817.3	816.0	793.7	781.4	743.0	723.2	736.8	726.9	692.2	691.0	741.7
27.5°	884.1	875.5	859.4	838.3	876.7	860.6	863.1	778.9	844.5	811.1	797.5
30°	1056.3	1060.0	1031.5	1041.4	1032.7	956.0	931.2	954.7	951.0	925.0	1008.0
32.5°	1271.7	1270.5	1239.5	1183.8	1108.3	1093.4	1108.3	1087.2	1079.8	1074.8	1099.6
35°	1509.5	1492.1	1385.6	1359.6	1317.5	1286.6	1274.2	1221.0	1243.2	1182.6	1265.5
37.5°	1624.6	1627.1	1586.2	1586.2	1541.7	1495.9	1438.9	1445.1	1396.8	1359.6	1417.8
40°	1795.5	1801.7	1763.3	1742.3	1722.5	1650.6	1612.3	1583.8	1582.5	1549.1	1608.5
42.5°	1878.5	1888.4	1853.7	1842.6	1856.2	1809.1	1747.2	1746.0	1753.4	1707.6	1776.9
45°	1963.9	1976.3	1940.4	1955.3	1940.4	1933.0	1850.0	1892.1	1913.2	1862.4	1937.9
47.5°	2064.2	2080.3	2066.7	2058.0	2043.2	2043.2	1982.5	2011.0	2041.9	1998.6	2077.8
50°	2189.3	2200.4	2185.6	2181.9	2159.6	2155.9	2116.2	2136.0	2160.8	2116.2	2210.3
52.5°	2355.2	2357.7	2347.8	2325.5	2292.1	2299.5	2276.0	2277.2	2287.1	2257.4	2361.4
55°	2564.5	2567.0	2565.7	2513.7	2544.7	2487.7	2449.3	2456.8	2451.8	2428.3	2527.3
57.5°	2825.8	2841.9	2849.3	2803.5	2832.0	2726.7	2704.4	2690.8	2708.1	2654.9	2776.2
60°	3241.8	3266.6	3254.2	3246.8	3224.5	3126.7	3098.2	3137.8	3119.2	3072.2	3217.1
62.5°	3775.5	3769.3	3800.3	3795.4	3801.5	3703.7	3636.9	3733.4	3765.6	3784.2	3894.4
65°	3913.0	3914.2	3953.9	3963.8	4012.1	4002.1	3956.3	4124.7	4179.2	4257.2	4471.5
67°	3742.1	3737.2	3784.2	3833.7	3910.5	3948.9	3934.0	4150.7	4257.2	4381.1	4600.2
67.5°	3688.9	3679.0	3729.7	3794.1	3873.4	3920.4	3909.3	4133.4	4244.8	4379.8	4594.0
70°	3340.9	3306.2	3370.6	3457.3	3529.1	3636.9	3641.8	3854.8	4009.6	4154.5	4353.8
72.5°	2895.1	2849.3	2907.5	2973.1	3026.4	3151.4	3158.9	3297.6	3456.1	3573.7	3758.2
75°	2298.3	2238.8	2293.3	2325.5	2345.3	2446.9	2455.5	2576.9	2693.3	2783.7	2926.1
77.5°	1421.6	1381.9	1426.5	1479.8	1546.6	1591.2	1616.0	1690.3	1817.8	1919.3	1996.1
80°	712.0	740.5	787.6	859.4	915.1	993.1	1025.3	1030.3	1083.5	1076.1	1124.4
82.5°	495.3	526.3	593.1	639.0	656.3	681.1	720.7	708.3	672.4	666.2	661.2
85°	126.3	196.9	361.6	438.4	455.7	481.7	517.6	538.7	482.9	437.1	445.8
87.5°	34.7	42.1	123.8	183.3	198.1	146.1	189.5	226.6	147.4	97.8	102.8
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°	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9
2.5°	200.6	178.3	168.4	153.5	149.8	148.6	146.1	146.1	144.9	144.9	144.9
5°	185.7	205.6	222.9	227.8	217.9	162.2	157.3	148.6	147.4	147.4	148.6
7.5°	182.0	184.5	185.7	178.3	208.0	209.3	151.1	148.6	148.6	148.6	149.8
10°	265.0	196.9	247.7	256.3	262.5	305.9	302.1	229.1	220.4	225.4	232.8
12.5°	356.6	366.5	326.9	265.0	271.2	273.7	307.1	237.8	224.1	232.8	281.1
15°	365.3	364.1	381.4	427.2	371.5	360.3	383.9	329.4	326.9	307.1	359.1
17.5°	517.6	443.3	430.9	434.6	397.5	380.2	352.9	382.6	346.7	336.8	329.4
20°	537.4	492.8	470.5	548.6	596.9	546.1	518.8	527.5	496.6	478.0	474.3
22.5°	584.5	636.5	657.5	608.0	608.0	600.6	655.1	615.4	598.1	578.3	569.6
25°	761.5	677.3	743.0	796.2	770.2	750.4	709.5	723.2	667.4	666.2	641.4
27.5°	833.4	882.9	859.4	864.3	823.5	886.6	859.4	829.7	777.6	767.7	780.1
30°	1017.9	967.1	989.4	1006.7	988.2	984.4	956.0	913.9	876.7	849.5	845.8
32.5°	1093.4	1128.1	1118.2	1097.1	1159.0	1177.6	1160.3	1061.2	1027.8	957.2	957.2
35°	1243.2	1225.9	1312.6	1291.5	1266.8	1243.2	1227.1	1159.0	1086.0	1011.7	991.9
37.5°	1407.9	1426.5	1424.0	1383.2	1341.1	1297.7	1280.4	1214.8	1133.0	1066.2	977.0
40°	1577.6	1542.9	1525.6	1489.7	1412.9	1374.5	1348.5	1311.3	1186.3	1110.7	980.7
42.5°	1736.1	1712.6	1630.8	1577.6	1521.9	1466.1	1393.1	1363.4	1237.0	1140.5	968.3
45°	1882.2	1841.3	1753.4	1685.3	1593.7	1549.1	1446.3	1390.6	1292.8	1142.9	934.9
47.5°	2004.8	1962.7	1873.5	1758.4	1674.2	1609.8	1513.2	1464.9	1346.0	1171.4	934.9
50°	2123.7	2075.4	1978.8	1816.6	1741.0	1633.3	1581.3	1513.2	1412.9	1213.5	963.4
52.5°	2253.7	2195.5	2080.3	1895.8	1809.1	1703.9	1648.2	1591.2	1499.6	1271.7	1010.4
55°	2414.7	2345.3	2195.5	2017.2	1893.3	1798.0	1744.7	1685.3	1590.0	1338.6	1068.6
57.5°	2646.2	2548.4	2371.3	2207.9	2056.8	1975.1	1899.5	1817.8	1734.8	1456.2	1164.0
60°	3042.5	2936.0	2708.1	2560.8	2396.1	2287.1	2167.0	2102.6	1975.1	1680.4	1321.3
62.5°	3701.2	3565.0	3349.6	3072.2	2836.9	2615.3	2490.2	2397.3	2207.9	1877.2	1523.1
65°	4190.4	4000.9	3712.4	3354.5	3072.2	2741.6	2620.2	2429.5	2202.9	1890.9	1581.3
67°	4303.0	4118.5	3747.1	3340.9	3028.9	2693.3	2527.3	2326.7	2065.5	1800.5	1525.6
67.5°	4300.6	4119.8	3728.5	3317.4	3004.1	2668.5	2490.2	2285.9	2019.6	1772.0	1508.2
70°	4054.2	3908.0	3485.8	3071.0	2744.0	2433.2	2199.2	2007.3	1754.7	1557.8	1328.7
72.5°	3451.1	3362.0	2974.4	2597.9	2295.8	2035.7	1857.4	1666.7	1438.9	1286.6	1120.7
75°	2694.5	2568.2	2193.0	1899.5	1655.6	1482.2	1339.8	1168.9	989.4	901.5	838.3
77.5°	1795.5	1671.7	1321.3	1032.7	859.4	713.3	604.3	482.9	375.2	385.1	414.8
80°	975.8	876.7	631.5	455.7	371.5	300.9	252.6	193.2	141.2	169.6	193.2
82.5°	593.1	520.1	403.7	315.8	258.8	219.2	178.3	132.5	101.5	115.2	139.9
85°	412.3	364.1	288.5	226.6	184.5	147.4	115.2	85.4	80.5	87.9	100.3
87.5°	137.4	170.9	130.0	105.3	101.5	91.6	76.8	61.9	48.3	60.7	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):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9
2.5°	146.1	147.4	153.5	157.3	157.3	153.5	178.3	175.8	214.2	216.7	226.6
5°	158.5	159.7	208.0	225.4	226.6	195.6	152.3	146.1	143.6	142.4	146.1
7.5°	179.6	209.3	189.5	136.2	141.2	141.2	143.6	142.4	143.6	169.6	232.8
10°	300.9	225.4	213.0	182.0	147.4	158.5	229.1	230.3	234.0	243.9	245.2
12.5°	265.0	231.6	217.9	219.2	302.1	324.4	313.3	239.0	242.7	248.9	291.0
15°	307.1	303.4	320.7	317.0	308.3	328.1	324.4	387.6	398.7	340.5	341.8
17.5°	314.5	317.0	390.1	400.0	392.5	429.7	406.2	401.2	409.9	403.7	383.9
20°	474.3	527.5	511.4	430.9	444.5	492.8	480.5	412.3	471.8	476.7	442.1
22.5°	496.6	543.6	558.5	604.3	601.8	505.2	520.1	543.6	494.1	471.8	515.1
25°	666.2	712.0	735.5	669.9	606.8	660.0	631.5	541.1	563.4	526.3	526.3
27.5°	828.4	761.5	783.8	754.1	773.9	666.2	634.0	671.2	558.5	568.4	579.5
30°	864.3	848.2	864.3	828.4	776.4	757.8	688.5	657.5	666.2	583.2	575.8
32.5°	925.0	896.5	866.8	802.4	795.0	739.3	691.0	678.6	616.7	585.7	580.8
35°	917.6	851.9	830.9	790.0	731.8	687.2	640.2	605.5	559.7	551.0	544.8
37.5°	894.0	792.5	734.3	694.7	645.1	603.0	536.2	512.7	496.6	480.5	473.0
40°	858.1	730.6	632.8	572.1	521.3	476.7	433.4	411.1	400.0	406.2	413.6
42.5°	795.0	658.8	523.8	454.5	401.2	365.3	336.8	326.9	323.2	329.4	341.8
45°	745.4	568.4	422.3	343.0	298.4	274.9	255.1	247.7	252.6	257.6	263.8
47.5°	723.2	499.0	338.1	258.8	224.1	211.7	199.4	193.2	195.6	199.4	204.3
50°	717.0	459.4	282.3	204.3	180.8	168.4	159.7	157.3	158.5	157.3	159.7
52.5°	718.2	459.4	256.3	179.6	158.5	148.6	141.2	138.7	135.0	133.7	135.0
55°	744.2	471.8	250.1	174.6	154.8	143.6	136.2	135.0	130.0	126.3	125.1
57.5°	823.5	516.4	265.0	184.5	161.0	151.1	143.6	142.4	137.4	131.3	128.8
60°	980.7	614.2	304.6	206.8	177.1	168.4	163.5	162.2	154.8	146.1	138.7
62.5°	1145.4	721.9	352.9	230.3	195.6	193.2	194.4	191.9	182.0	163.5	149.8
65°	1218.5	764.0	371.5	232.8	195.6	200.6	204.3	205.6	189.5	167.2	149.8
67°	1196.2	734.3	352.9	217.9	183.3	188.2	189.5	190.7	174.6	156.0	139.9
67.5°	1185.0	721.9	346.7	215.5	182.0	185.7	184.5	184.5	169.6	153.5	137.4
70°	1069.9	637.7	305.9	199.4	169.6	164.7	154.8	154.8	143.6	135.0	126.3
72.5°	907.7	541.1	266.2	189.5	161.0	147.4	136.2	135.0	127.5	123.8	118.9
75°	693.4	421.0	234.0	179.6	152.3	136.2	123.8	125.1	117.6	116.4	113.9
77.5°	412.3	286.0	203.1	167.2	144.9	128.8	115.2	117.6	109.0	107.7	107.7
80°	205.6	190.7	168.4	144.9	126.3	113.9	100.3	100.3	94.1	92.9	96.6
82.5°	154.8	143.6	125.1	110.2	99.1	85.4	66.9	74.3	74.3	76.8	79.3
85°	115.2	102.8	89.2	78.0	71.8	64.4	52.0	57.0	58.2	63.2	65.6
87.5°	86.7	73.1	61.9	57.0	54.5	49.5	38.4	45.8	47.1	47.1	49.5
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):**

	160°	165°	170°	175°	180°
0°	144.9	144.9	144.9	144.9	144.9
2.5°	227.8	225.4	222.9	221.7	221.7
5°	143.6	139.9	139.9	139.9	138.7
7.5°	239.0	242.7	241.5	241.5	240.2
10°	245.2	243.9	245.2	243.9	245.2
12.5°	334.3	344.2	350.4	352.9	350.4
15°	352.9	351.7	352.9	354.2	352.9
17.5°	426.0	437.1	439.6	438.4	438.4
20°	419.8	429.7	430.9	437.1	430.9
22.5°	494.1	491.6	497.8	495.3	492.8
25°	518.8	496.6	551.0	554.8	551.0
27.5°	577.0	539.9	544.8	544.8	539.9
30°	599.3	583.2	586.9	591.9	590.7
32.5°	554.8	560.9	606.8	615.4	614.2
35°	546.1	554.8	548.6	556.0	580.8
37.5°	512.7	517.6	527.5	536.2	537.4
40°	447.0	466.8	481.7	487.9	492.8
42.5°	356.6	377.7	391.3	397.5	392.5
45°	277.4	291.0	302.1	305.9	302.1
47.5°	213.0	217.9	221.7	222.9	226.6
50°	163.5	163.5	164.7	162.2	162.2
52.5°	137.4	133.7	133.7	131.3	131.3
55°	125.1	122.6	121.4	118.9	118.9
57.5°	125.1	120.1	116.4	112.7	112.7
60°	130.0	121.4	113.9	110.2	109.0
62.5°	135.0	123.8	113.9	109.0	107.7
65°	132.5	122.6	113.9	109.0	107.7
67°	127.5	120.1	113.9	109.0	109.0
67.5°	126.3	120.1	113.9	109.0	107.7
70°	121.4	118.9	112.7	107.7	106.5
72.5°	116.4	113.9	107.7	102.8	101.5
75°	111.4	107.7	102.8	99.1	97.8
77.5°	105.3	100.3	95.3	90.4	87.9
80°	95.3	89.2	83.0	79.3	74.3
82.5°	80.5	79.3	71.8	66.9	61.9
85°	66.9	65.6	60.7	54.5	48.3
87.5°	50.8	52.0	48.3	42.1	29.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)