

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: McGRAW-EDISON

Report Number: P226584

Luminaire Tested: **IST-AF-1000-LED-E1-T4FT-7030-ULG**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P226584  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35943)-DOWNLIGHT AND  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: IST-AF-1000-LED-E1-T4FT-7030-ULG  
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE WITH UPLIGHT  
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV FORWARD THROW, WITH UPLIGHT GLOW  
Light Source: (16) 3000K CCT, 70 CRI LEDs and (1) UPLIGHT LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7166.6 lumens  
Efficiency: N/A  
Efficacy: 100.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U5 - G2

Input Watts (W): 71.3  
Input Voltage (V): 120  
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: 25 FT

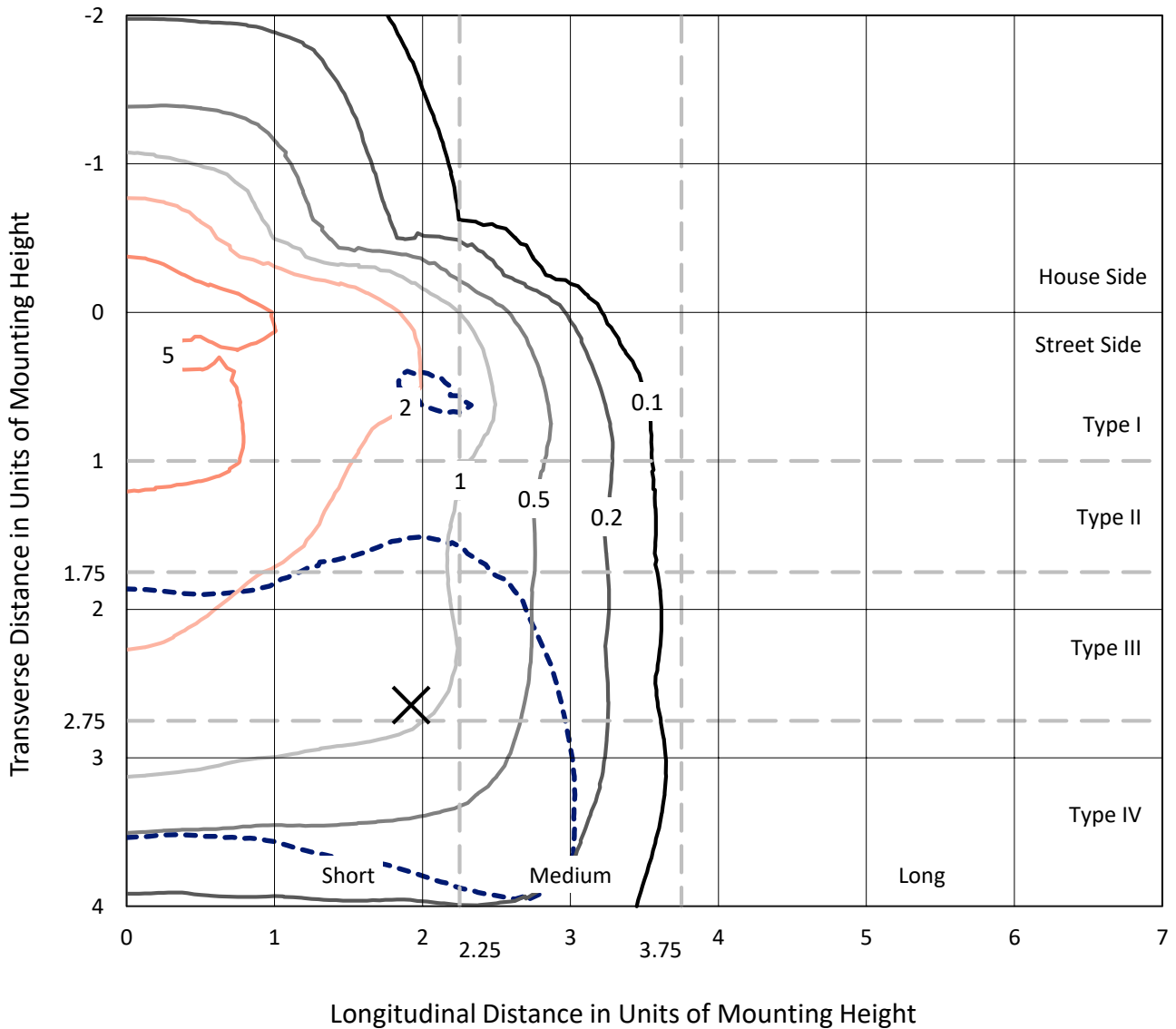


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

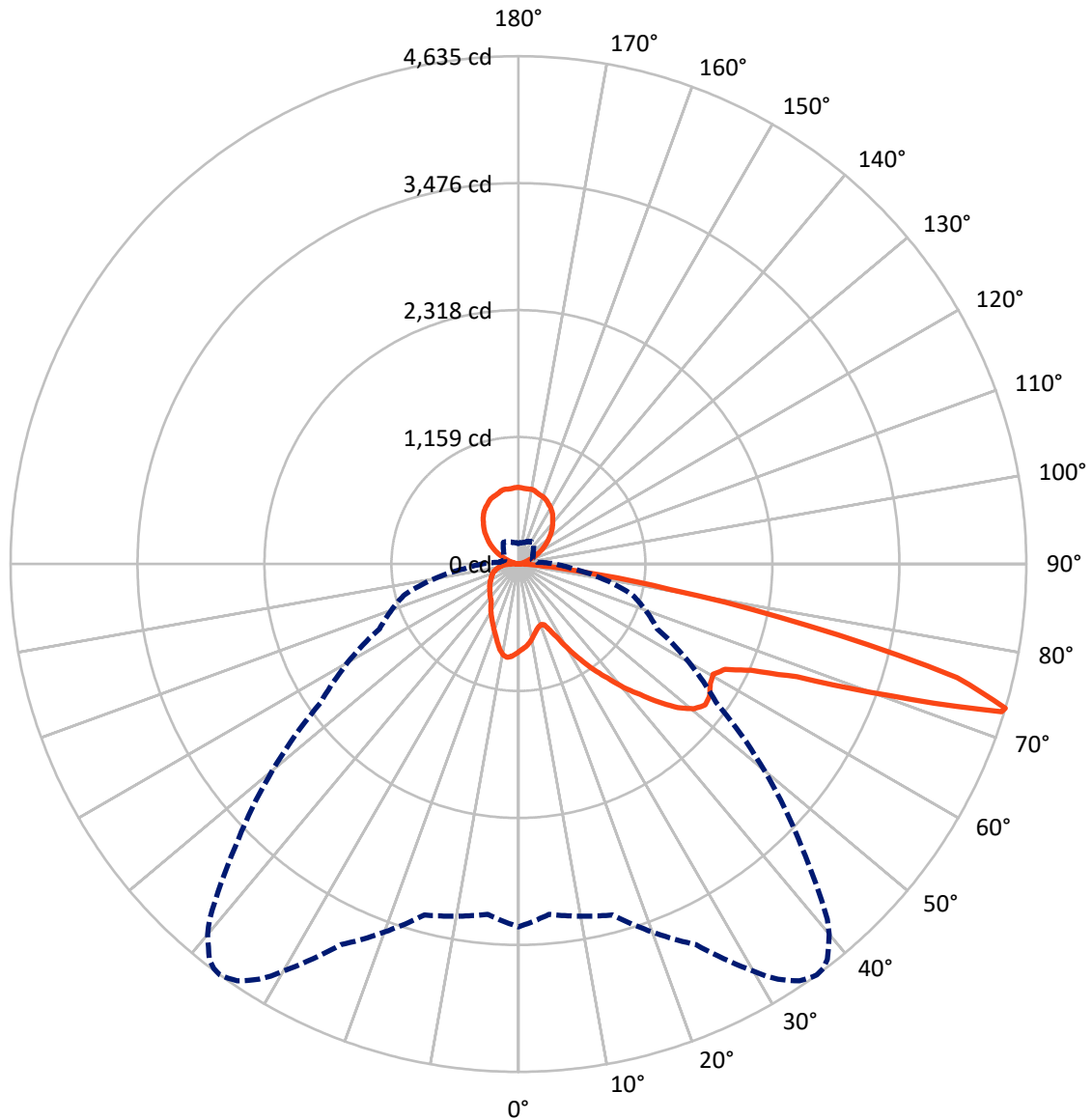


Based on 10 foot mounting height. Maximum calculated value = 8.4 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral    - - - Horizontal Cone Through 73-Deg Vertical

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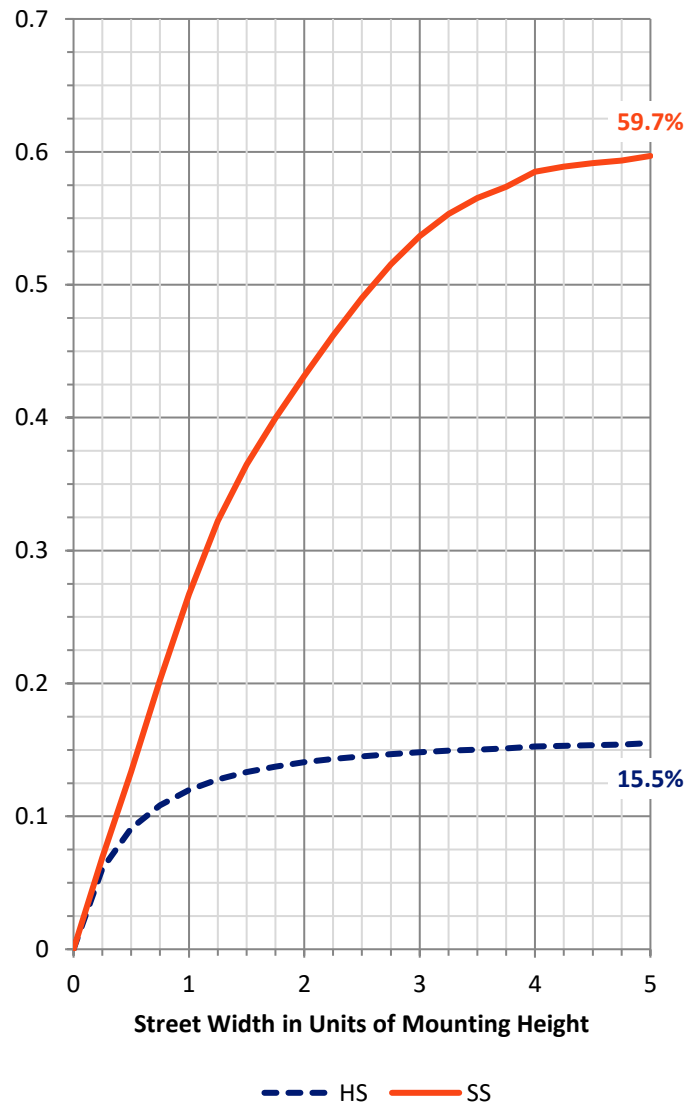
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1145.6	868.8	2014.4
	% Fixture	16.0	12.1	28.1
<b>Street Side</b>	Lumens	4284.2	868.0	5152.2
	% Fixture	59.8	12.1	71.9
<b>Total</b>	Lumens	5429.8	1736.8	7166.6
	% Fixture	75.8	24.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.1	1.0
10°-20°	198.9	2.8
20°-30°	326.0	4.5
30°-40°	540.2	7.5
40°-50°	793.8	11.1
50°-60°	1000.9	14.0
60°-70°	1310.7	18.3
70°-80°	1061.0	14.8
80°-90°	123.1	1.7
90°-100°	11.0	0.2
100°-110°	57.4	0.8
110°-120°	166.1	2.3
120°-130°	273.2	3.8
130°-140°	336.8	4.7
140°-150°	344.6	4.8
150°-160°	290.3	4.1
160°-170°	191.2	2.7
170°-180°	66.3	0.9
0°-90°	5429.8	75.8
0°-180°	7166.6	100.0



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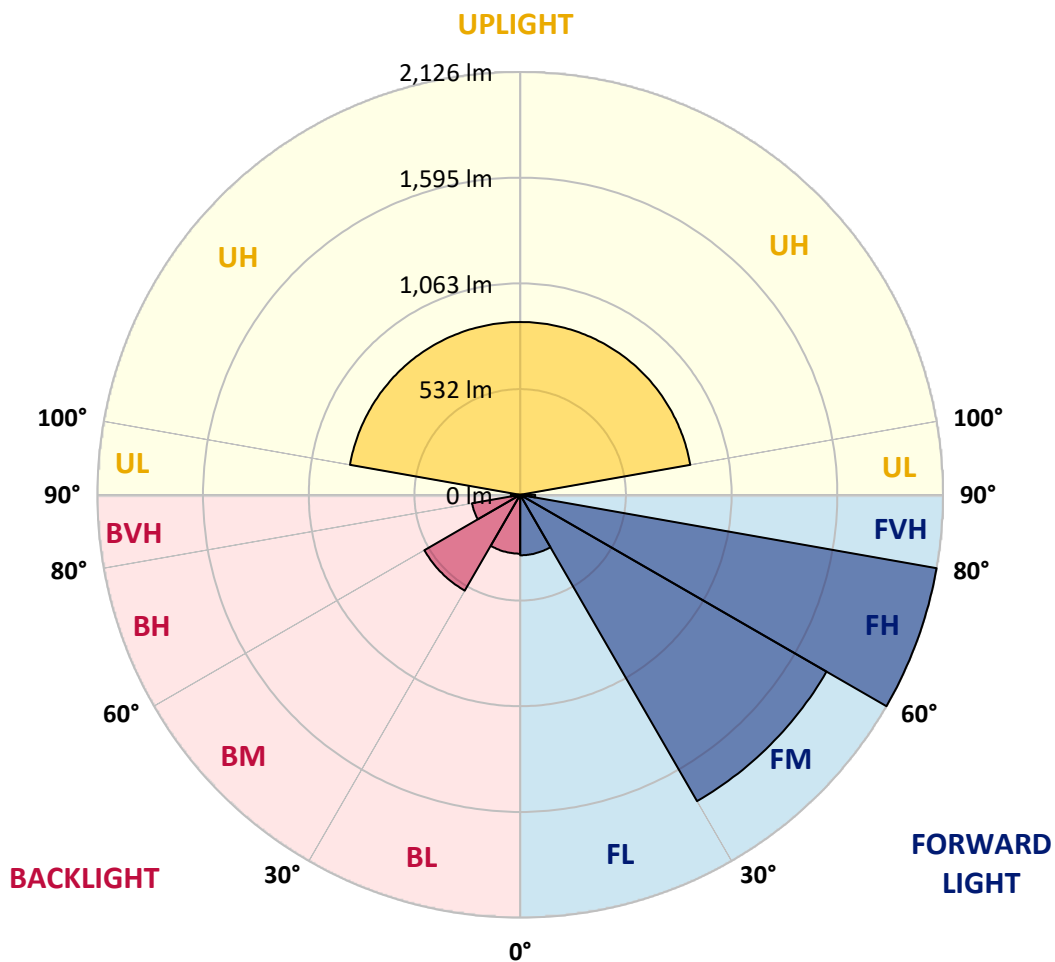
CATALOG NUMBER: IST-AF-1000-LED-E1-T4FT-7030-ULG

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	304.0	4.2			
FM (30°-60°)	1778.4	24.8			
FH (60°-80°)	2126.1	29.7			G2/5000
FVH (80°-90°)	75.8	1.1			G1/100
BL (0°-30°)	296.0	4.1	B1/500		
BM (30°-60°)	556.5	7.8	B1/1000		
BH (60°-80°)	245.7	3.4	B1/500		G1/500
BVH (80°-90°)	47.3	0.7			G1/100
UL (90°-100°)	11.0	0.2		U2/50	
UH (100°-180°)	868.8	12.1		U4/1000	

**BUG Rating: B1-U5-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	30°	31°	32°	33°	34°	35°	36°
0°	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5
2.5°	768.7	770.3	771.9	771.9	771.9	774.2	773.4	773.4	774.2	775.0	775.0
5°	740.0	740.7	745.4	747.0	751.6	750.8	750.8	750.8	754.0	751.6	753.2
7.5°	707.3	708.8	713.5	718.9	722.8	723.6	722.8	721.3	725.2	726.7	725.2
10°	668.4	669.1	675.4	680.0	686.3	685.5	687.8	687.8	689.4	688.6	691.7
12.5°	648.9	647.4	644.2	646.6	648.1	648.1	648.1	650.5	649.7	651.3	653.6
15°	646.6	642.7	627.1	621.7	620.1	620.1	619.4	618.6	620.9	623.2	623.2
17.5°	657.5	649.7	619.4	603.8	600.7	599.1	599.9	598.3	598.3	601.5	600.7
20°	710.4	696.4	635.7	601.5	592.1	592.1	591.3	589.0	589.0	589.8	589.8
22.5°	845.0	827.1	721.3	650.5	617.8	617.0	614.7	612.3	606.1	604.6	601.5
25°	1032.5	1011.5	830.2	754.0	708.1	706.5	694.8	693.3	678.5	679.3	669.1
27.5°	1178.0	1164.0	975.7	874.6	831.0	821.7	816.2	802.2	789.7	779.6	767.2
30°	1227.8	1225.5	1122.8	1041.1	975.7	964.8	950.0	943.8	925.9	911.9	903.3
32.5°	1306.4	1308.7	1265.9	1175.7	1118.9	1108.0	1095.5	1080.8	1068.3	1059.0	1038.7
35°	1418.4	1419.2	1389.6	1322.0	1256.6	1241.8	1234.8	1217.7	1206.0	1194.3	1184.2
37.5°	1496.2	1500.1	1479.1	1427.0	1388.1	1367.1	1366.3	1353.9	1340.6	1330.5	1321.2
40°	1645.6	1624.6	1555.4	1521.9	1490.0	1487.7	1480.7	1473.7	1476.8	1471.3	1481.5
42.5°	1796.6	1770.1	1673.6	1626.2	1606.7	1610.6	1608.3	1609.1	1618.4	1616.1	1627.0
45°	1925.7	1895.4	1803.6	1747.6	1763.1	1767.8	1781.0	1788.8	1784.9	1798.9	1798.9
47.5°	2054.9	1984.1	1875.2	1900.8	1911.7	1947.5	1956.9	1954.5	1967.8	1974.0	1956.9
50°	1963.9	1945.2	1936.6	2015.2	2064.2	2075.9	2089.1	2096.1	2102.4	2093.8	2076.7
52.5°	1771.7	1770.1	1890.7	2082.9	2124.2	2139.7	2152.2	2157.6	2155.3	2150.6	2136.6
55°	1707.1	1694.7	1798.9	2012.9	2075.9	2090.7	2108.6	2119.5	2130.4	2128.8	2117.9
57.5°	1795.0	1784.9	1785.7	1951.4	2012.9	2026.1	2037.8	2050.2	2053.3	2063.5	2064.2
60°	2050.2	2037.0	1930.4	1949.1	2011.3	2026.1	2027.7	2034.7	2035.5	2040.9	2041.7
62.5°	2418.3	2394.1	2231.5	2091.5	2113.3	2120.3	2125.7	2124.2	2121.0	2117.2	2117.2
65°	2821.3	2798.7	2589.4	2426.0	2363.0	2380.1	2352.9	2347.5	2341.2	2341.2	2334.2
67.5°	3300.6	3257.8	3096.0	2912.3	2821.3	2829.9	2842.3	2794.9	2777.7	2779.3	2742.7
70°	3789.2	3744.1	3673.3	3671.0	3716.9	3696.6	3639.1	3715.3	3625.1	3603.3	3595.5
72.5°	3519.2	3465.6	3480.3	3920.0	4332.3	4399.3	4463.1	4522.2	4575.1	4607.0	4611.7
73°	3312.3	3210.3	3316.2	3832.8	4290.3	4389.1	4468.5	4531.5	4588.3	4617.1	4635.0
75°	1654.2	1659.6	2181.0	3162.1	3749.6	3834.4	3958.1	4027.3	4130.0	4182.9	4136.3
77.5°	383.6	397.6	660.6	1500.9	2247.9	2369.2	2468.1	2569.2	2688.3	2732.6	2693.7
80°	135.4	141.6	232.6	570.3	938.4	1005.3	1090.1	1201.4	1311.8	1339.1	1407.5
82.5°	71.6	78.6	122.9	247.4	400.7	438.1	459.8	505.8	544.7	568.0	580.4
85°	41.2	42.0	70.0	136.9	183.6	198.4	212.4	223.3	235.8	227.2	227.2
87.5°	16.3	17.9	35.8	64.6	88.7	98.8	98.8	98.8	98.0	86.4	78.6
90°	8.1	9.7	14.0	21.2	19.7	19.7	18.9	17.3	16.6	17.3	13.3
92.5°	4.0	4.0	5.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
95°	5.0	5.0	6.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
97.5°	7.0	7.0	8.0	8.0	8.5	8.6	8.7	8.8	8.9	9.0	9.0
100°	8.0	8.0	9.0	10.0	11.0	11.2	11.4	11.6	11.8	12.0	12.9
102.5°	11.0	11.0	13.0	18.0	22.5	23.4	24.3	25.2	26.1	27.0	28.3
105°	21.0	22.0	27.0	36.0	42.0	43.2	44.4	45.6	46.8	48.0	49.5
107.5°	41.0	42.0	49.0	58.0	65.5	67.0	68.5	70.0	71.5	73.0	74.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	30°	31°	32°	33°	34°	35°	36°
110°	66.0	68.0	74.0	87.0	94.5	96.0	97.5	99.0	100.5	102.0	103.2
112.5°	99.0	99.0	106.0	121.0	127.5	128.8	130.1	131.4	132.7	134.0	134.9
115°	140.0	139.0	147.0	159.0	163.5	164.4	165.3	166.2	167.1	168.0	168.6
117.5°	184.0	184.0	189.0	197.0	199.5	200.0	200.5	201.0	201.5	202.0	202.3
120°	225.0	223.0	226.0	233.0	235.0	235.4	235.8	236.2	236.6	237.0	237.6
122.5°	263.0	260.0	261.0	267.0	269.0	269.4	269.8	270.2	270.6	271.0	271.6
125°	298.0	294.0	296.0	299.0	302.0	302.6	303.2	303.8	304.4	305.0	305.5
127.5°	330.0	329.0	329.0	333.0	336.0	336.6	337.2	337.8	338.4	339.0	339.1
130°	363.0	361.0	362.0	366.0	368.0	368.4	368.8	369.2	369.6	370.0	370.2
132.5°	396.0	394.0	393.0	401.0	402.5	402.8	403.1	403.4	403.7	404.0	404.1
135°	429.0	426.0	426.0	432.0	433.5	433.8	434.1	434.4	434.7	435.0	435.2
137.5°	460.0	457.0	459.0	460.0	462.0	462.4	462.8	463.2	463.6	464.0	464.4
140°	488.0	485.0	487.0	489.0	490.0	490.2	490.4	490.6	490.8	491.0	491.6
142.5°	518.0	515.0	517.0	518.0	519.5	519.8	520.1	520.4	520.7	521.0	521.4
145°	550.0	546.0	544.0	547.0	548.5	548.8	549.1	549.4	549.7	550.0	550.1
147.5°	575.0	572.0	571.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.1
150°	595.0	592.0	593.0	593.0	593.0	593.0	593.0	593.0	593.0	593.0	593.0
152.5°	611.0	608.0	608.0	609.0	609.5	609.6	609.7	609.8	609.8	609.9	610.0
155°	629.0	625.0	625.0	627.0	628.5	628.8	629.1	629.4	629.7	630.0	629.8
157.5°	646.0	643.0	643.0	644.0	645.0	645.2	645.4	645.6	645.8	646.0	645.9
160°	663.0	660.0	659.0	656.0	655.5	655.4	655.3	655.2	655.1	655.0	655.0
162.5°	673.0	669.0	669.0	665.0	663.0	662.6	662.2	661.8	661.4	661.0	661.2
165°	681.0	678.0	676.0	676.0	674.5	674.2	673.9	673.6	673.3	673.0	673.0
167.5°	690.0	687.0	684.0	686.0	687.0	687.2	687.4	687.6	687.8	688.0	687.7
170°	698.0	695.0	692.0	692.0	692.5	692.6	692.7	692.8	692.9	693.0	692.8
172.5°	699.0	697.0	695.0	693.0	691.5	691.2	690.9	690.6	690.3	690.0	690.0
175°	700.0	698.0	697.0	695.0	693.0	692.6	692.2	691.8	691.4	691.0	690.9
177.5°	707.0	705.0	700.0	699.0	698.0	697.8	697.6	697.4	697.2	697.0	696.8
180°	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0





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**CANDELA DISTRIBUTION (continued):**

	37°	38°	39°	40°	41°	45°	55°	65°	75°	85°	90°
0°	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5
2.5°	776.5	777.3	775.7	778.9	776.5	776.5	780.4	787.4	792.9	794.4	799.1
5°	754.7	755.5	755.5	756.3	755.5	757.1	764.1	770.3	781.2	786.6	793.6
7.5°	726.7	729.1	728.3	729.8	729.8	731.4	742.3	752.4	763.3	773.4	782.0
10°	693.3	694.8	697.9	696.4	696.4	701.0	712.7	727.5	740.7	755.5	765.6
12.5°	653.6	657.5	656.7	659.8	661.4	664.5	683.9	700.3	716.6	733.7	747.0
15°	622.5	624.8	626.4	627.1	627.1	634.1	653.6	673.8	695.6	715.8	729.8
17.5°	602.2	602.2	603.8	604.6	606.1	610.8	631.0	653.6	678.5	703.4	718.9
20°	590.6	590.6	591.3	592.1	592.1	597.6	616.2	641.9	669.1	701.0	719.7
22.5°	599.9	597.6	596.8	596.8	593.7	593.7	611.6	638.8	673.0	714.3	738.4
25°	663.7	656.7	645.8	643.5	639.6	620.9	618.6	649.7	691.7	743.1	779.6
27.5°	759.4	752.4	745.4	736.8	730.6	696.4	649.7	677.7	727.5	800.6	845.8
30°	884.7	870.7	860.6	851.2	824.0	786.6	714.3	721.3	782.7	880.8	937.6
32.5°	1024.7	1009.9	994.4	972.6	965.6	904.9	812.3	793.6	852.8	974.2	1033.3
35°	1160.1	1153.1	1142.2	1133.7	1117.3	1066.7	939.9	880.8	933.7	1083.9	1129.8
37.5°	1317.3	1304.1	1304.8	1297.8	1288.5	1245.7	1072.2	985.8	1020.8	1188.9	1217.7
40°	1472.1	1469.0	1473.7	1462.0	1446.4	1388.9	1169.5	1062.9	1111.9	1290.1	1283.1
42.5°	1618.4	1620.7	1615.3	1602.1	1584.9	1488.5	1231.7	1128.2	1193.6	1378.8	1335.2
45°	1785.7	1777.1	1754.6	1731.2	1710.2	1574.1	1265.2	1201.4	1272.2	1474.5	1388.1
47.5°	1943.6	1910.2	1890.7	1854.9	1813.7	1651.9	1310.3	1278.4	1359.3	1564.7	1438.7
50°	2059.6	2028.4	1995.8	1952.2	1908.6	1719.6	1370.2	1365.5	1458.1	1665.9	1507.9
52.5°	2112.5	2083.7	2051.8	2007.4	1963.9	1768.6	1450.3	1450.3	1574.8	1799.7	1603.6
55°	2103.9	2082.9	2054.9	2014.4	1981.0	1795.0	1532.8	1543.7	1721.1	1944.4	1714.1
57.5°	2058.8	2047.1	2030.8	2002.8	1975.5	1815.3	1630.1	1637.1	1917.2	2083.7	1818.4
60°	2043.2	2038.6	2029.2	2012.9	1991.9	1859.6	1733.6	1749.1	2136.6	2211.3	1877.5
62.5°	2112.5	2103.1	2096.1	2079.8	2060.4	1968.5	1863.5	1868.2	2342.8	2226.9	1819.9
65°	2307.0	2289.9	2278.2	2256.4	2234.6	2132.7	2029.2	1978.7	2443.9	2081.4	1624.6
67.5°	2714.7	2686.7	2653.2	2612.0	2552.1	2460.3	2193.4	1994.2	2352.1	1763.1	1281.5
70°	3520.8	3460.1	3383.1	3295.2	3272.6	3004.9	2296.1	1879.1	1955.3	1231.7	849.7
72.5°	4603.9	4540.9	4472.4	4400.0	4256.9	3668.6	2251.0	1515.7	1216.1	633.4	404.6
73°	4621.8	4579.0	4496.5	4412.5	4295.8	3657.0	2202.0	1397.4	1072.2	498.7	331.5
75°	4144.8	4127.7	4046.8	3884.9	3786.1	3089.0	1621.5	810.0	469.2	308.1	215.5
77.5°	2689.8	2671.1	2625.2	2609.7	2427.6	2002.8	725.9	315.1	255.2	204.6	152.5
80°	1433.2	1346.1	1330.5	1268.3	1135.2	771.1	248.2	193.0	169.6	136.9	106.6
82.5°	581.2	543.9	529.9	480.1	451.3	231.1	124.5	133.8	113.6	80.9	65.4
85°	214.0	196.9	192.2	156.4	137.7	68.5	76.3	94.1	70.8	45.1	32.7
87.5°	73.9	63.8	55.2	42.8	39.7	28.0	42.0	51.4	45.1	27.2	15.6
90°	13.2	12.4	11.5	10.6	11.3	10.1	11.7	16.0	16.8	11.7	10.1
92.5°	6.0	6.0	6.0	6.0	6.0	6.0	7.0	7.0	6.0	6.0	6.0
95°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	8.0	7.0	7.0	7.0
97.5°	9.0	9.0	9.0	9.0	9.0	9.0	12.0	10.0	9.0	8.0	8.0
100°	13.8	14.7	15.6	16.5	17.4	21.0	29.0	26.0	23.0	19.0	19.0
102.5°	29.6	30.9	32.2	33.5	34.8	40.0	50.0	47.0	42.0	39.0	38.0
105°	51.0	52.5	54.0	55.5	57.0	63.0	72.0	70.0	65.0	61.0	61.0
107.5°	76.0	77.5	79.0	80.5	82.0	88.0	95.0	94.0	90.0	87.0	86.0



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**CANDELA DISTRIBUTION (continued):**

	37°	38°	39°	40°	41°	45°	55°	65°	75°	85°	90°
110°	104.4	105.6	106.8	108.0	109.2	114.0	120.0	121.0	119.0	116.0	117.0
112.5°	135.8	136.7	137.6	138.5	139.4	143.0	148.0	150.0	149.0	147.0	147.0
115°	169.2	169.8	170.4	171.0	171.6	174.0	179.0	182.0	179.0	177.0	178.0
117.5°	202.6	202.9	203.2	203.5	203.8	205.0	211.0	215.0	210.0	208.0	209.0
120°	238.2	238.8	239.4	240.0	240.6	243.0	246.0	250.0	245.0	243.0	243.0
122.5°	272.2	272.8	273.4	274.0	274.6	277.0	279.0	283.0	278.0	276.0	277.0
125°	306.0	306.5	307.0	307.5	308.0	310.0	313.0	315.0	310.0	310.0	310.0
127.5°	339.2	339.3	339.4	339.5	339.6	340.0	345.0	346.0	346.0	345.0	347.0
130°	370.4	370.6	370.8	371.0	371.2	372.0	377.0	381.0	381.0	379.0	380.0
132.5°	404.2	404.3	404.4	404.5	404.6	405.0	411.0	416.0	414.0	414.0	415.0
135°	435.4	435.6	435.8	436.0	436.2	437.0	443.0	448.0	447.0	450.0	451.0
137.5°	464.8	465.2	465.6	466.0	466.4	468.0	473.0	475.0	476.0	481.0	482.0
140°	492.2	492.8	493.4	494.0	494.6	497.0	500.0	502.0	504.0	509.0	511.0
142.5°	521.8	522.2	522.6	523.0	523.4	525.0	527.0	533.0	533.0	534.0	536.0
145°	550.2	550.3	550.4	550.5	550.6	551.0	556.0	562.0	561.0	558.0	560.0
147.5°	574.2	574.3	574.4	574.5	574.6	575.0	580.0	585.0	586.0	583.0	585.0
150°	593.0	593.0	593.0	593.0	593.0	593.0	597.0	600.0	603.0	606.0	610.0
152.5°	610.0	610.0	610.0	610.0	610.0	610.0	611.0	614.0	618.0	623.0	628.0
155°	629.6	629.4	629.2	629.0	628.8	628.0	626.0	631.0	636.0	638.0	641.0
157.5°	645.8	645.7	645.6	645.5	645.4	645.0	644.0	648.0	650.0	650.0	655.0
160°	655.0	655.0	655.0	655.0	655.0	655.0	658.0	664.0	661.0	660.0	666.0
162.5°	661.4	661.6	661.8	662.0	662.2	663.0	667.0	671.0	670.0	668.0	674.0
165°	673.0	673.0	673.0	673.0	673.0	673.0	672.0	677.0	680.0	678.0	682.0
167.5°	687.4	687.1	686.8	686.5	686.2	685.0	678.0	684.0	688.0	688.0	694.0
170°	692.6	692.4	692.2	692.0	691.8	691.0	686.0	689.0	694.0	696.0	701.0
172.5°	690.0	690.0	690.0	690.0	690.0	690.0	689.0	692.0	694.0	696.0	701.0
175°	690.8	690.7	690.6	690.5	690.4	690.0	690.0	695.0	696.0	694.0	699.0
177.5°	696.6	696.4	696.2	696.0	695.8	695.0	694.0	699.0	701.0	698.0	702.0
180°	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0



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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5
2.5°	800.6	803.8	810.0	814.6	818.5	824.0	825.5	828.7	824.8	829.4
5°	797.5	806.9	818.5	829.4	839.5	848.1	852.0	852.8	853.6	856.7
7.5°	789.7	803.8	822.4	837.2	852.8	858.2	860.6	861.3	855.9	858.2
10°	774.2	796.8	820.1	838.0	845.8	841.9	835.7	825.5	820.9	820.9
12.5°	757.1	785.9	813.1	823.2	816.2	801.4	784.3	765.6	758.6	758.6
15°	743.1	779.6	802.2	795.2	775.0	747.0	723.6	704.2	697.9	695.6
17.5°	735.3	776.5	785.1	763.3	729.1	694.0	670.7	654.4	648.9	648.9
20°	741.5	779.6	765.6	725.2	682.4	650.5	630.2	619.4	613.9	616.2
22.5°	768.0	791.3	748.5	687.8	635.7	608.5	599.1	592.1	591.3	592.9
25°	812.3	806.9	733.7	648.9	592.1	572.7	571.9	569.6	568.8	568.0
27.5°	869.9	826.3	715.8	605.3	548.5	539.2	543.9	543.1	542.3	543.1
30°	946.1	843.4	689.4	557.9	507.3	507.3	514.3	512.0	508.9	509.6
32.5°	1016.9	855.9	648.9	505.0	474.6	476.2	478.5	472.3	464.5	466.1
35°	1077.6	855.9	594.5	457.5	441.2	441.2	442.7	437.3	431.1	428.7
37.5°	1128.2	838.8	526.0	421.7	413.9	413.9	420.2	414.7	403.0	400.7
40°	1158.6	801.4	463.0	395.3	400.7	401.5	392.9	383.6	372.7	370.4
42.5°	1178.0	747.0	413.2	376.6	392.2	385.9	365.7	350.9	350.1	353.2
45°	1195.1	685.5	373.5	357.9	382.8	369.6	342.4	328.3	333.0	336.1
47.5°	1212.2	624.0	341.6	336.9	365.7	356.4	327.6	312.0	309.7	314.3
50°	1252.7	538.4	305.0	312.0	344.7	341.6	314.3	296.4	281.7	280.9
52.5°	1307.2	424.1	273.9	290.2	328.3	333.0	299.6	282.4	262.2	259.1
55°	1367.9	325.2	248.2	273.1	312.8	320.6	294.1	268.4	246.7	243.5
57.5°	1385.8	256.8	224.1	249.0	291.8	308.9	285.6	252.1	235.8	232.6
60°	1324.3	213.2	203.9	228.8	270.8	297.2	272.3	239.6	224.9	222.5
62.5°	1136.8	188.3	193.0	215.5	255.2	286.3	262.2	230.3	218.6	217.1
65°	867.6	171.2	183.6	204.6	241.2	276.2	255.2	226.4	217.1	215.5
67.5°	544.7	158.7	174.3	193.0	227.2	265.3	249.8	221.8	214.7	212.4
70°	301.9	145.5	161.8	179.7	213.2	255.2	242.8	214.7	214.0	209.3
72.5°	183.6	131.5	148.6	165.7	197.6	242.8	230.3	206.2	198.4	189.1
73°	175.1	129.9	145.5	162.6	193.7	239.6	228.0	203.1	195.3	186.0
75°	141.6	116.7	133.1	147.8	179.7	227.2	214.7	192.2	179.7	172.7
77.5°	104.3	99.6	115.2	129.2	161.8	210.1	196.1	175.8	161.1	157.2
80°	77.0	82.5	97.3	109.7	142.4	193.0	176.6	157.2	147.8	143.2
82.5°	52.1	63.8	77.8	87.9	126.0	174.3	156.4	137.7	143.9	119.8
85°	30.3	44.4	56.0	68.5	101.2	155.6	136.2	117.5	102.7	92.6
87.5°	20.2	24.9	34.2	46.7	73.1	122.2	108.2	91.8	66.9	66.9
90°	9.3	12.1	13.7	12.4	17.1	60.1	43.8	49.8	12.8	12.0
92.5°	6.0	6.0	7.0	7.0	6.0	6.0	6.0	5.0	4.0	4.0
95°	7.0	7.0	8.0	7.0	7.0	7.0	7.0	6.0	5.0	5.0
97.5°	8.0	9.0	10.0	12.0	9.0	9.0	8.0	8.0	7.0	7.0
100°	19.0	23.0	26.0	29.0	21.0	12.0	10.0	9.0	8.0	8.0
102.5°	39.0	42.0	47.0	50.0	40.0	27.0	18.0	13.0	11.0	11.0
105°	61.0	65.0	70.0	72.0	63.0	48.0	36.0	27.0	22.0	21.0
107.5°	87.0	90.0	94.0	95.0	88.0	73.0	58.0	49.0	42.0	41.0



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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	116.0	119.0	121.0	120.0	114.0	102.0	87.0	74.0	68.0	66.0
112.5°	147.0	149.0	150.0	148.0	143.0	134.0	121.0	106.0	99.0	99.0
115°	177.0	179.0	182.0	179.0	174.0	168.0	159.0	147.0	139.0	140.0
117.5°	208.0	210.0	215.0	211.0	205.0	202.0	197.0	189.0	184.0	184.0
120°	243.0	245.0	250.0	246.0	243.0	237.0	233.0	226.0	223.0	225.0
122.5°	276.0	278.0	283.0	279.0	277.0	271.0	267.0	261.0	260.0	263.0
125°	310.0	310.0	315.0	313.0	310.0	305.0	299.0	296.0	294.0	298.0
127.5°	345.0	346.0	346.0	345.0	340.0	339.0	333.0	329.0	329.0	330.0
130°	379.0	381.0	381.0	377.0	372.0	370.0	366.0	362.0	361.0	363.0
132.5°	414.0	414.0	416.0	411.0	405.0	404.0	401.0	393.0	394.0	396.0
135°	450.0	447.0	448.0	443.0	437.0	435.0	432.0	426.0	426.0	429.0
137.5°	481.0	476.0	475.0	473.0	468.0	464.0	460.0	459.0	457.0	460.0
140°	509.0	504.0	502.0	500.0	497.0	491.0	489.0	487.0	485.0	488.0
142.5°	534.0	533.0	533.0	527.0	525.0	521.0	518.0	517.0	515.0	518.0
145°	558.0	561.0	562.0	556.0	551.0	550.0	547.0	544.0	546.0	550.0
147.5°	583.0	586.0	585.0	580.0	575.0	574.0	574.0	571.0	572.0	575.0
150°	606.0	603.0	600.0	597.0	593.0	593.0	593.0	593.0	592.0	595.0
152.5°	623.0	618.0	614.0	611.0	610.0	610.0	609.0	608.0	608.0	611.0
155°	638.0	636.0	631.0	626.0	628.0	630.0	627.0	625.0	625.0	629.0
157.5°	650.0	650.0	648.0	644.0	645.0	646.0	644.0	643.0	643.0	646.0
160°	660.0	661.0	664.0	658.0	655.0	655.0	656.0	659.0	660.0	663.0
162.5°	668.0	670.0	671.0	667.0	663.0	661.0	665.0	669.0	669.0	673.0
165°	678.0	680.0	677.0	672.0	673.0	673.0	676.0	676.0	678.0	681.0
167.5°	688.0	688.0	684.0	678.0	685.0	688.0	686.0	684.0	687.0	690.0
170°	696.0	694.0	689.0	686.0	691.0	693.0	692.0	692.0	695.0	698.0
172.5°	696.0	694.0	692.0	689.0	690.0	690.0	693.0	695.0	697.0	699.0
175°	694.0	696.0	695.0	690.0	690.0	691.0	695.0	697.0	698.0	700.0
177.5°	698.0	701.0	699.0	694.0	695.0	697.0	699.0	700.0	705.0	707.0
180°	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0

(END OF REPORT)