

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: P271729

Luminaire Tested: **IST-AF-800-LED-E1-T4FT-7027-ULG**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P271729  
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-800-LED-E1-T4FT-7027-ULG  
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE WITH UPLIGHT  
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV FORWARD THROW, WITH UPLIGHT GLOW  
Light Source: (16) 2700K CCT, 70 CRI LEDs and (1) UPLIGHT LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

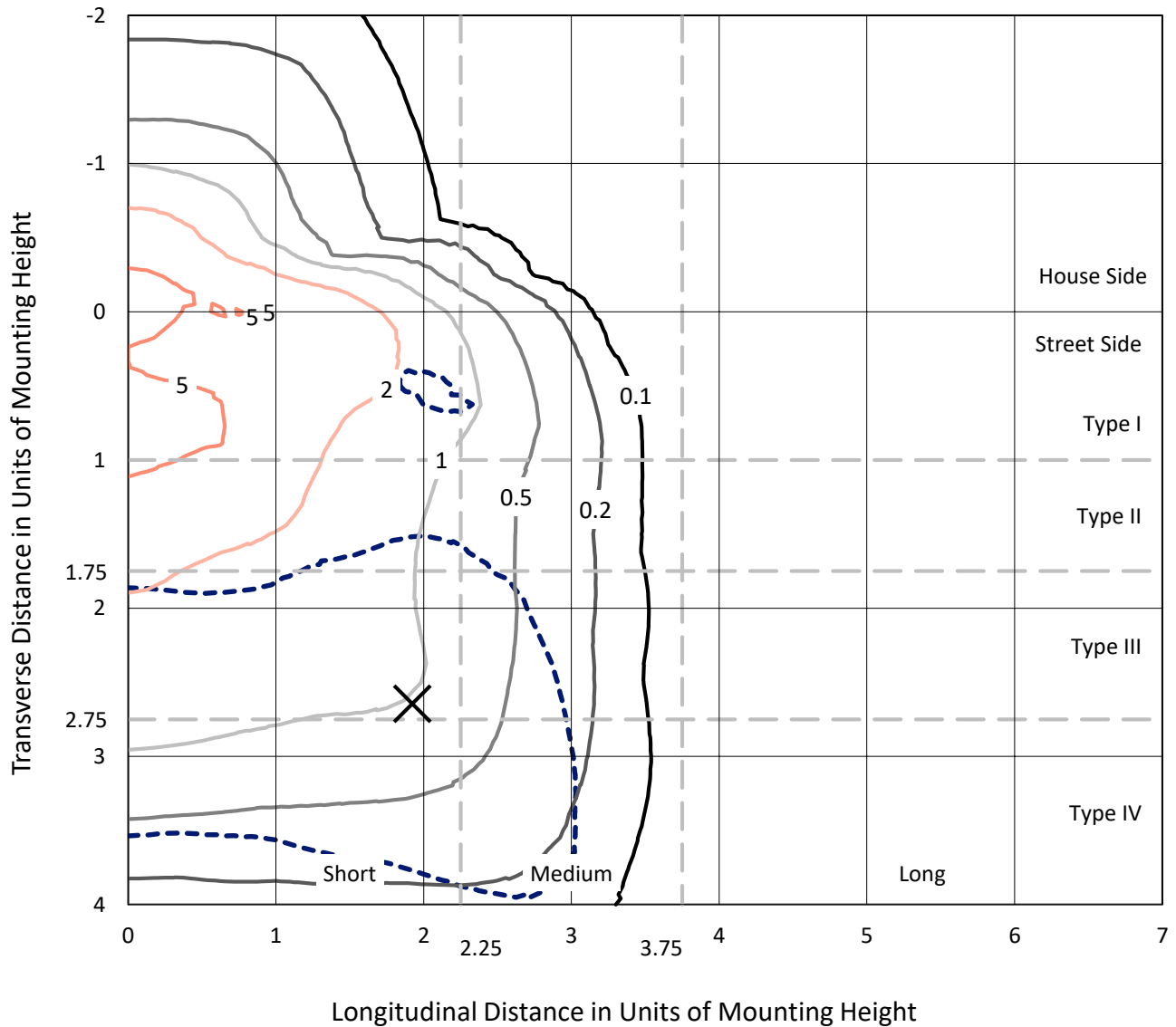
Lumens per Lamp: N/A  
Luminaire Lumens: 6213.2 lumens  
Efficiency: N/A  
Efficacy: 103.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U5 - G1  
  
Input Watts (W): 60.2  
Input Voltage (V): 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

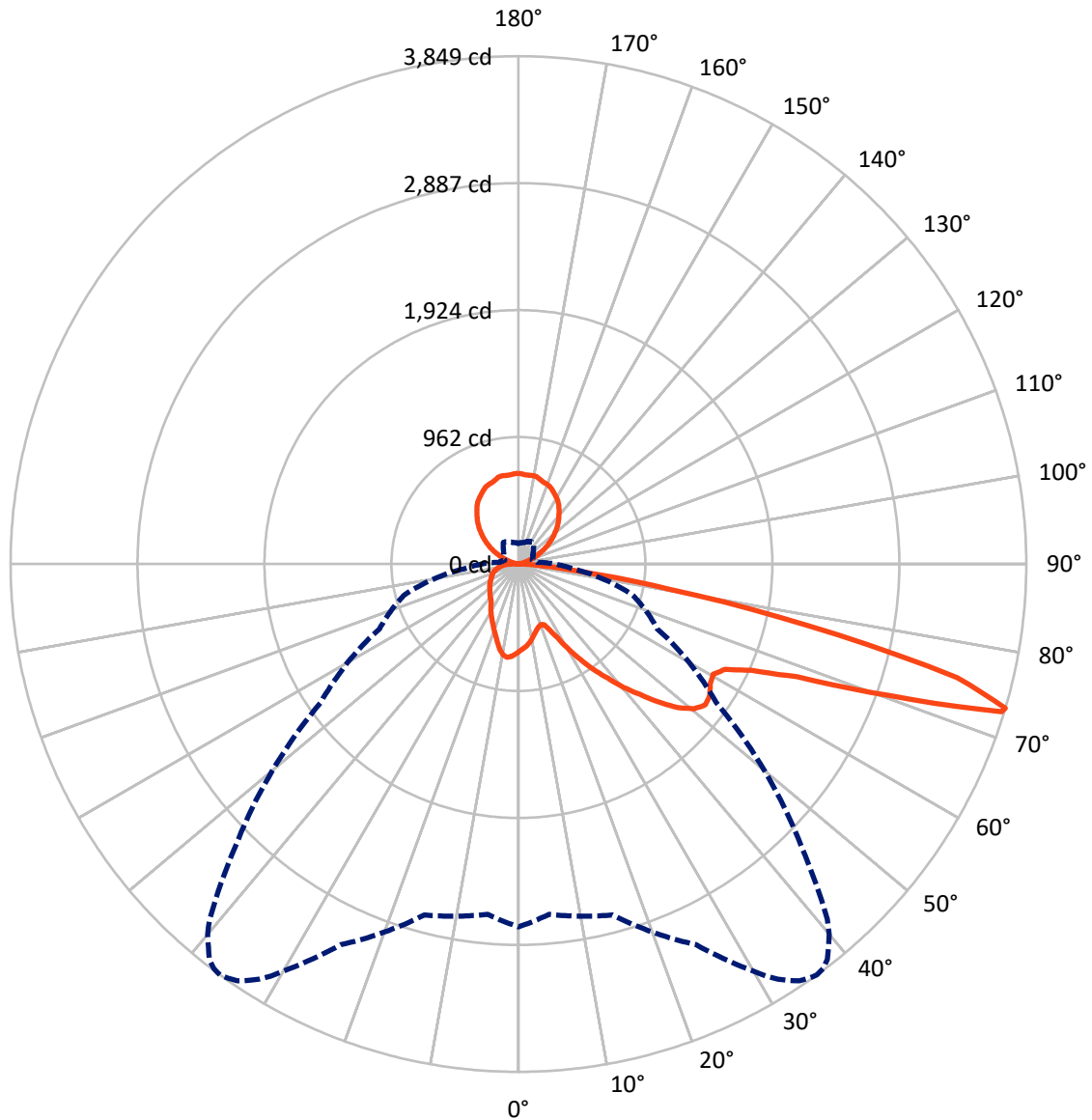
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7 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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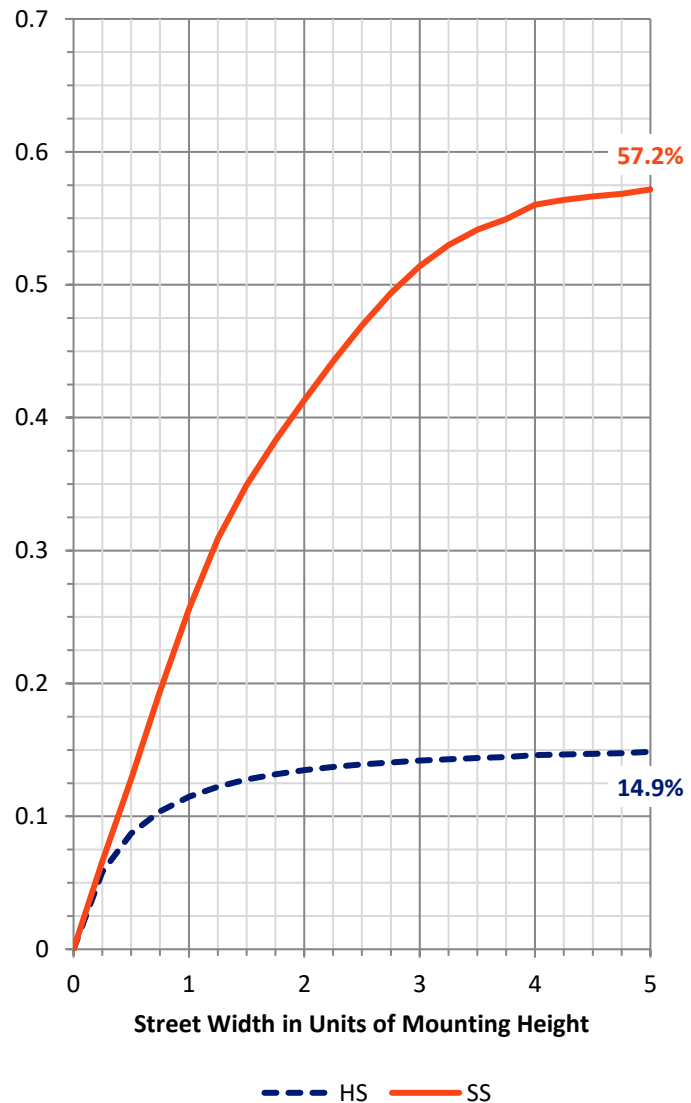
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	951.3	852.5	1803.8
	% Fixture	15.3	13.7	29.0
<b>Street Side</b>	Lumens	3557.5	851.9	4409.3
	% Fixture	57.3	13.7	71.0
<b>Total</b>	Lumens	4508.8	1704.4	6213.2
	% Fixture	72.6	27.4	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.3	1.0
10°-20°	165.2	2.7
20°-30°	270.7	4.4
30°-40°	448.5	7.2
40°-50°	659.2	10.6
50°-60°	831.1	13.4
60°-70°	1088.4	17.5
70°-80°	881.0	14.2
80°-90°	102.4	1.6
90°-100°	10.5	0.2
100°-110°	56.3	0.9
110°-120°	163.1	2.6
120°-130°	268.1	4.3
130°-140°	330.6	5.3
140°-150°	338.2	5.4
150°-160°	284.9	4.6
160°-170°	187.6	3.0
170°-180°	65.0	1.0
0°-90°	4508.8	72.6
0°-180°	6213.2	100.0



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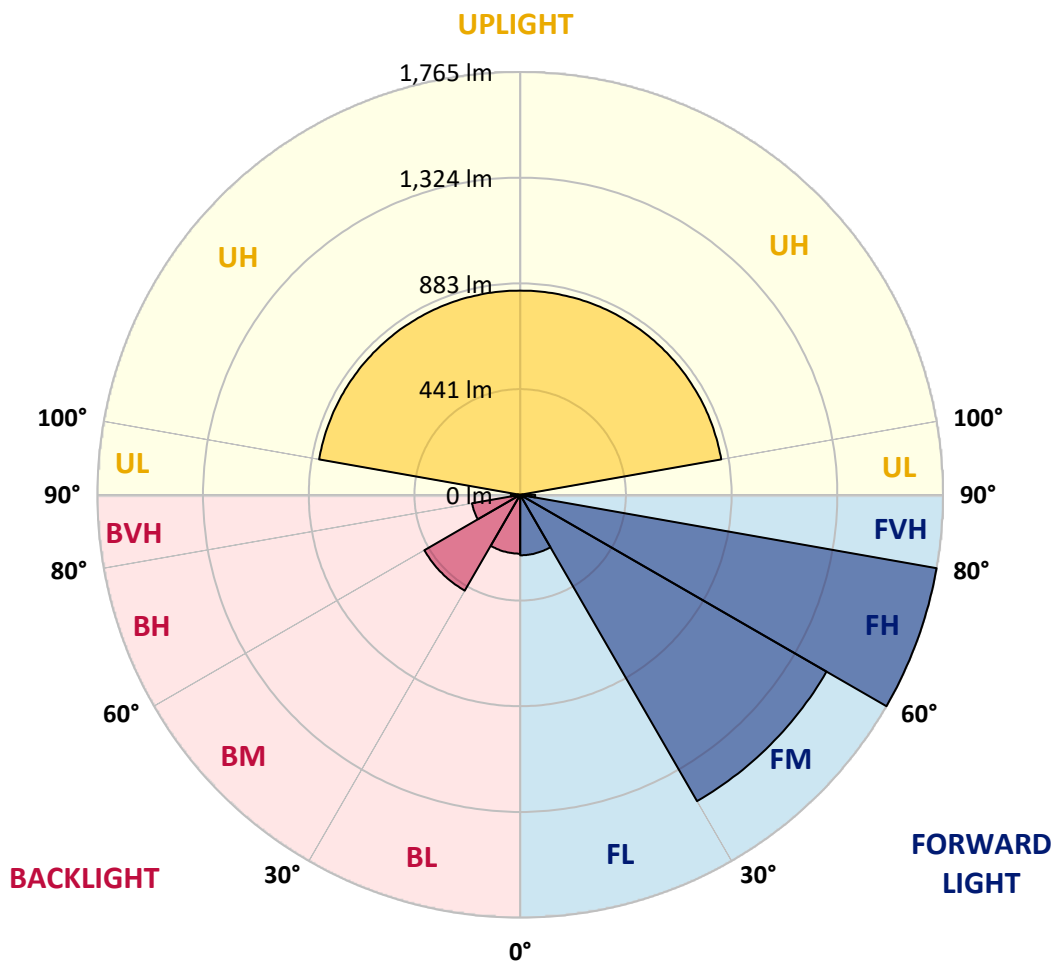
CATALOG NUMBER: IST-AF-800-LED-E1-T4FT-7027-ULG

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	252.4	4.1			
FM	(30°-60°)	1476.7	23.8			
FH	(60°-80°)	1765.4	28.4			G1/1800
FVH	(80°-90°)	63.0	1.0			G1/100
BL	(0°-30°)	245.8	4.0	B1/500		
BM	(30°-60°)	462.1	7.4	B1/1000		
BH	(60°-80°)	204.0	3.3	B1/500		G1/500
BVH	(80°-90°)	39.4	0.6			G1/100
UL	(90°-100°)	10.5	0.2		U2/50	
UH	(100°-180°)	852.5	13.7		U4/1000	

**BUG Rating: B1-U5-G1**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	30°	31°	32°	33°	34°	35°	36°
0°	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2
2.5°	638.3	639.6	640.9	640.9	640.9	642.8	642.2	642.2	642.8	643.5	643.5
5°	614.4	615.1	618.9	620.2	624.1	623.4	623.4	623.4	626.1	624.1	625.4
7.5°	587.3	588.6	592.4	596.9	600.2	600.9	600.2	598.9	602.1	603.4	602.1
10°	555.0	555.6	560.8	564.7	569.9	569.2	571.1	571.1	572.4	571.8	574.4
12.5°	538.8	537.5	534.9	536.8	538.2	538.2	538.2	540.2	539.5	540.8	542.7
15°	536.8	533.6	520.7	516.3	514.9	514.9	514.3	513.7	515.5	517.5	517.5
17.5°	545.9	539.5	514.3	501.3	498.8	497.5	498.1	496.9	496.9	499.4	498.8
20°	589.8	578.1	527.8	499.4	491.6	491.6	491.0	489.0	489.0	489.8	489.8
22.5°	701.7	686.8	598.9	540.2	513.0	512.3	510.3	508.5	503.3	502.1	499.4
25°	857.3	839.8	689.4	626.1	587.9	586.6	576.9	575.6	563.3	564.0	555.6
27.5°	978.2	966.6	810.2	726.2	690.0	682.3	677.7	666.1	655.8	647.4	637.0
30°	1019.5	1017.6	932.4	864.5	810.2	801.1	788.8	783.7	768.8	757.2	750.1
32.5°	1084.7	1086.7	1051.2	976.2	929.0	920.0	909.6	897.4	887.1	879.4	862.6
35°	1177.8	1178.5	1154.0	1097.7	1043.4	1031.2	1025.3	1011.1	1001.4	991.7	983.4
37.5°	1242.4	1245.6	1228.3	1185.0	1152.5	1135.2	1134.5	1124.2	1113.2	1104.7	1097.0
40°	1366.4	1349.1	1291.5	1263.7	1237.2	1235.3	1229.5	1223.7	1226.3	1221.8	1230.0
42.5°	1491.7	1469.9	1389.7	1350.3	1334.2	1337.4	1335.4	1336.0	1343.9	1341.9	1350.9
45°	1599.1	1573.8	1497.7	1451.1	1464.0	1467.9	1478.9	1485.3	1482.1	1493.7	1493.7
47.5°	1706.3	1647.5	1557.0	1578.3	1587.5	1617.1	1624.9	1623.0	1633.9	1639.0	1624.9
50°	1630.7	1615.2	1608.1	1673.4	1714.1	1723.8	1734.6	1740.6	1745.7	1738.6	1724.4
52.5°	1471.2	1469.9	1570.0	1729.6	1763.8	1776.7	1787.1	1791.6	1789.6	1785.7	1774.2
55°	1417.4	1407.1	1493.7	1671.4	1723.8	1736.1	1750.9	1759.9	1768.9	1767.7	1758.6
57.5°	1490.5	1482.1	1482.7	1620.4	1671.4	1682.3	1692.0	1702.4	1705.1	1713.3	1714.1
60°	1702.4	1691.4	1602.9	1618.5	1670.1	1682.3	1683.6	1689.5	1690.1	1694.7	1695.3
62.5°	2008.0	1987.9	1852.9	1736.6	1754.7	1760.6	1765.1	1763.8	1761.1	1757.9	1757.9
65°	2342.7	2323.9	2150.1	2014.4	1962.2	1976.3	1953.7	1949.2	1944.0	1944.0	1938.3
67.5°	2740.7	2705.2	2570.7	2418.2	2342.7	2349.8	2360.0	2320.7	2306.5	2307.7	2277.5
70°	3146.4	3108.9	3050.1	3048.2	3086.3	3069.5	3021.7	3085.0	3010.1	2992.0	2985.4
72.5°	2922.2	2877.6	2889.8	3254.9	3597.4	3652.9	3705.9	3754.9	3798.9	3825.4	3829.3
73°	2750.3	2665.7	2753.6	3182.5	3562.5	3644.5	3710.4	3762.7	3809.9	3833.8	3848.7
75°	1373.6	1378.1	1810.9	2625.7	3113.4	3183.9	3286.6	3344.1	3429.4	3473.3	3434.5
77.5°	318.4	330.1	548.5	1246.3	1866.5	1967.3	2049.3	2133.4	2232.2	2269.0	2236.7
80°	112.4	117.6	193.1	473.6	779.2	834.7	905.1	997.6	1089.3	1111.9	1168.8
82.5°	59.5	65.3	102.0	205.4	332.7	363.7	381.8	420.0	452.3	471.6	482.0
85°	34.2	34.9	58.1	113.7	152.5	164.7	176.3	185.4	195.8	188.6	188.6
87.5°	13.6	14.8	29.7	53.6	73.6	82.0	82.0	82.0	81.4	71.8	65.3
90°	7.5	8.7	12.7	18.9	17.6	17.6	16.9	15.6	14.9	15.6	12.3
92.5°	4.0	4.0	4.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
95°	4.9	4.9	5.9	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
97.5°	6.8	6.8	7.8	7.8	8.4	8.4	8.5	8.6	8.7	8.8	8.8
100°	7.8	7.8	8.8	9.8	10.8	11.0	11.2	11.4	11.6	11.8	12.7
102.5°	10.8	10.8	12.8	17.7	22.1	23.0	23.9	24.7	25.6	26.5	27.8
105°	20.6	21.6	26.5	35.3	41.2	42.4	43.6	44.7	45.9	47.1	48.6
107.5°	40.2	41.2	48.1	57.0	64.3	65.8	67.2	68.7	70.2	71.7	73.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	30°	31°	32°	33°	34°	35°	36°
110°	64.8	66.7	72.7	85.4	92.7	94.2	95.7	97.2	98.6	100.1	101.3
112.5°	97.2	97.2	104.0	118.8	125.1	126.4	127.6	129.0	130.3	131.5	132.4
115°	137.4	136.5	144.3	156.0	160.4	161.3	162.2	163.1	164.0	164.9	165.5
117.5°	180.6	180.6	185.5	193.3	195.8	196.3	196.8	197.3	197.8	198.3	198.5
120°	220.8	218.8	221.8	228.7	230.7	231.0	231.4	231.9	232.2	232.6	233.2
122.5°	258.2	255.2	256.2	262.0	264.0	264.4	264.8	265.2	265.6	266.0	266.5
125°	292.5	288.5	290.5	293.5	296.4	297.0	297.6	298.1	298.8	299.3	299.9
127.5°	323.9	322.9	322.9	326.8	329.8	330.4	330.9	331.6	332.1	332.7	332.8
130°	356.3	354.3	355.3	359.2	361.2	361.6	361.9	362.4	362.7	363.2	363.4
132.5°	388.7	386.7	385.7	393.5	395.1	395.3	395.6	396.0	396.2	396.5	396.6
135°	421.0	418.1	418.1	424.0	425.4	425.8	426.1	426.3	426.7	427.0	427.1
137.5°	451.5	448.5	450.5	451.5	453.5	453.8	454.3	454.6	455.0	455.4	455.8
140°	479.0	476.0	478.0	480.0	481.0	481.1	481.3	481.5	481.7	481.9	482.5
142.5°	508.4	505.5	507.5	508.4	509.9	510.1	510.5	510.8	511.0	511.3	511.8
145°	539.8	535.9	534.0	536.8	538.4	538.6	538.9	539.3	539.5	539.8	539.9
147.5°	564.3	561.4	560.5	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.5
150°	584.0	581.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0
152.5°	599.7	596.7	596.7	597.7	598.2	598.3	598.5	598.5	598.6	598.7	598.7
155°	617.3	613.5	613.5	615.4	616.9	617.1	617.5	617.8	618.0	618.3	618.1
157.5°	634.0	631.1	631.1	632.0	633.0	633.2	633.5	633.7	633.8	634.0	633.9
160°	650.7	647.8	646.8	643.8	643.4	643.3	643.2	643.1	643.0	642.8	642.8
162.5°	660.5	656.6	656.6	652.7	650.7	650.4	649.9	649.6	649.1	648.8	648.9
165°	668.4	665.5	663.5	663.5	662.1	661.7	661.4	661.2	660.8	660.5	660.5
167.5°	677.2	674.3	671.3	673.3	674.3	674.4	674.6	674.9	675.1	675.3	675.0
170°	685.0	682.2	679.2	679.2	679.7	679.7	679.8	679.9	680.1	680.2	679.9
172.5°	686.0	684.1	682.2	680.2	678.7	678.4	678.1	677.8	677.5	677.2	677.2
175°	687.0	685.0	684.1	682.2	680.2	679.7	679.4	679.0	678.6	678.2	678.1
177.5°	693.9	692.0	687.0	686.0	685.0	684.9	684.7	684.5	684.3	684.1	683.9
180°	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0





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**CANDELA DISTRIBUTION (continued):**

	37°	38°	39°	40°	41°	45°	55°	65°	75°	85°	90°
0°	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2
2.5°	644.7	645.4	644.2	646.7	644.7	644.7	647.9	653.9	658.4	659.6	663.5
5°	626.7	627.4	627.4	627.9	627.4	628.6	634.5	639.6	648.7	653.2	659.0
7.5°	603.4	605.4	604.6	606.1	606.1	607.3	616.3	624.7	633.8	642.2	649.4
10°	575.6	576.9	579.6	578.1	578.1	582.1	591.8	604.1	615.1	627.4	635.7
12.5°	542.7	545.9	545.3	547.9	549.1	551.8	567.9	581.5	595.0	609.2	620.2
15°	516.9	518.8	520.1	520.7	520.7	526.6	542.7	559.6	577.6	594.4	606.1
17.5°	500.1	500.1	501.3	502.1	503.3	507.1	524.0	542.7	563.3	584.1	596.9
20°	490.4	490.4	491.0	491.6	491.6	496.1	511.7	533.1	555.6	582.1	597.6
22.5°	498.1	496.1	495.5	495.5	493.0	493.0	507.8	530.4	558.8	593.2	613.1
25°	551.1	545.3	536.3	534.3	531.1	515.5	513.7	539.5	574.4	617.0	647.4
27.5°	630.6	624.7	618.9	611.8	606.6	578.1	539.5	562.7	604.1	664.8	702.3
30°	734.5	723.0	714.5	706.8	684.1	653.2	593.2	598.9	649.9	731.4	778.5
32.5°	850.9	838.6	825.7	807.6	801.7	751.4	674.4	659.0	708.1	808.8	858.0
35°	963.3	957.4	948.4	941.3	927.8	885.8	780.4	731.4	775.2	900.0	938.1
37.5°	1093.8	1082.9	1083.4	1077.7	1069.9	1034.4	890.3	818.5	847.6	987.1	1011.1
40°	1222.3	1219.8	1223.7	1214.0	1201.0	1153.2	971.1	882.6	923.3	1071.2	1065.4
42.5°	1343.9	1345.8	1341.3	1330.3	1316.1	1236.0	1022.7	936.8	991.1	1144.8	1108.7
45°	1482.7	1475.6	1456.9	1437.5	1420.1	1307.0	1050.5	997.6	1056.4	1224.3	1152.5
47.5°	1613.9	1586.0	1570.0	1540.2	1506.0	1371.6	1087.9	1061.4	1128.7	1299.3	1194.6
50°	1710.1	1684.3	1657.1	1621.0	1584.8	1427.9	1137.7	1133.9	1210.7	1383.2	1252.1
52.5°	1754.1	1730.1	1703.6	1666.9	1630.7	1468.5	1204.3	1204.3	1307.7	1494.4	1331.6
55°	1746.9	1729.6	1706.3	1672.6	1644.9	1490.5	1272.8	1281.8	1429.1	1614.5	1423.4
57.5°	1709.6	1699.9	1686.3	1663.0	1640.3	1507.3	1353.6	1359.3	1592.0	1730.1	1509.9
60°	1696.6	1692.8	1685.0	1671.4	1654.0	1544.2	1439.4	1452.4	1774.2	1836.1	1559.0
62.5°	1754.1	1746.3	1740.6	1726.9	1710.8	1634.6	1547.3	1551.2	1945.3	1849.1	1511.2
65°	1915.6	1901.4	1891.7	1873.7	1855.4	1770.9	1685.0	1643.0	2029.3	1728.2	1349.1
67.5°	2254.2	2230.9	2203.1	2168.9	2119.1	2042.8	1821.2	1655.8	1953.1	1464.0	1064.1
70°	2923.4	2873.0	2809.1	2736.1	2717.5	2495.1	1906.6	1560.3	1623.6	1022.7	705.5
72.5°	3822.8	3770.5	3713.6	3653.6	3534.7	3046.2	1869.1	1258.5	1009.9	525.9	336.0
73°	3837.6	3802.2	3733.6	3663.8	3567.0	3036.5	1828.4	1160.3	890.3	414.1	275.2
75°	3441.7	3427.4	3360.2	3225.8	3143.8	2564.9	1346.4	672.7	389.5	255.8	178.9
77.5°	2233.5	2217.9	2179.8	2166.9	2015.8	1663.0	602.9	261.7	211.9	169.9	126.6
80°	1190.1	1117.7	1104.7	1053.2	942.6	640.2	206.1	160.2	140.9	113.7	88.6
82.5°	482.6	451.6	440.0	398.6	374.8	191.9	103.3	111.1	94.3	67.2	54.3
85°	177.7	163.4	159.6	129.9	114.4	56.9	63.3	78.2	58.7	37.5	27.1
87.5°	61.4	53.0	45.8	35.6	33.0	23.3	34.9	42.6	37.5	22.5	12.9
90°	12.1	11.4	10.7	9.9	10.5	9.4	10.7	14.6	15.3	10.7	9.4
92.5°	5.9	5.9	5.9	5.9	5.9	5.9	6.8	6.8	5.9	5.9	5.9
95°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	7.8	6.8	6.8	6.8
97.5°	8.8	8.8	8.8	8.8	8.8	8.8	11.8	9.8	8.8	7.8	7.8
100°	13.6	14.5	15.3	16.2	17.1	20.6	28.5	25.5	22.5	18.7	18.7
102.5°	29.0	30.4	31.6	32.9	34.1	39.3	49.0	46.2	41.2	38.3	37.3
105°	50.0	51.6	53.0	54.4	56.0	61.8	70.7	68.7	63.8	59.8	59.8
107.5°	74.6	76.1	77.5	79.1	80.5	86.3	93.2	92.3	88.3	85.4	84.4



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**CANDELA DISTRIBUTION (continued):**

	37°	38°	39°	40°	41°	45°	55°	65°	75°	85°	90°
110°	102.5	103.7	104.8	106.0	107.2	111.9	117.8	118.8	116.8	113.8	114.8
112.5°	133.3	134.2	135.0	135.9	136.8	140.3	145.3	147.2	146.2	144.3	144.3
115°	166.1	166.6	167.3	167.8	168.4	170.8	175.7	178.7	175.7	173.7	174.7
117.5°	198.9	199.2	199.4	199.7	200.1	201.2	207.1	211.0	206.1	204.2	205.2
120°	233.8	234.4	235.0	235.5	236.2	238.5	241.5	245.3	240.5	238.5	238.5
122.5°	267.2	267.8	268.3	269.0	269.5	271.8	273.8	277.8	272.8	270.9	271.8
125°	300.3	300.8	301.3	301.8	302.3	304.3	307.2	309.2	304.3	304.3	304.3
127.5°	332.9	333.0	333.1	333.2	333.3	333.7	338.6	339.6	339.6	338.6	340.5
130°	363.5	363.7	363.9	364.2	364.4	365.1	370.0	374.0	374.0	372.0	373.0
132.5°	396.7	396.8	396.9	397.1	397.1	397.5	403.4	408.3	406.3	406.3	407.3
135°	427.3	427.5	427.8	428.0	428.1	428.9	434.8	439.7	438.7	441.7	442.7
137.5°	456.2	456.6	457.0	457.3	457.8	459.3	464.2	466.2	467.2	472.1	473.0
140°	483.1	483.6	484.3	484.8	485.4	487.8	490.7	492.7	494.7	499.5	501.5
142.5°	512.1	512.6	512.9	513.3	513.7	515.3	517.2	523.2	523.2	524.1	526.0
145°	540.0	540.2	540.2	540.3	540.4	540.8	545.7	551.6	550.6	547.7	549.7
147.5°	563.6	563.7	563.8	563.9	564.0	564.3	569.3	574.2	575.2	572.2	574.2
150°	582.0	582.0	582.0	582.0	582.0	582.0	586.0	588.9	591.8	594.8	598.7
152.5°	598.7	598.7	598.7	598.7	598.7	598.7	599.7	602.7	606.5	611.5	616.3
155°	617.9	617.8	617.6	617.3	617.1	616.3	614.4	619.3	624.2	626.2	629.2
157.5°	633.8	633.8	633.7	633.6	633.5	633.0	632.0	636.0	638.0	638.0	642.8
160°	642.8	642.8	642.8	642.8	642.8	642.8	645.8	651.7	648.8	647.8	653.7
162.5°	649.1	649.4	649.6	649.7	649.9	650.7	654.7	658.5	657.6	655.7	661.5
165°	660.5	660.5	660.5	660.5	660.5	660.5	659.5	664.5	667.4	665.5	669.3
167.5°	674.6	674.4	674.1	673.8	673.5	672.3	665.5	671.3	675.3	675.3	681.2
170°	679.7	679.6	679.4	679.2	679.0	678.2	673.3	676.2	681.2	683.1	688.0
172.5°	677.2	677.2	677.2	677.2	677.2	677.2	676.2	679.2	681.2	683.1	688.0
175°	678.0	678.0	677.8	677.7	677.6	677.2	677.2	682.2	683.1	681.2	686.0
177.5°	683.7	683.5	683.3	683.1	682.9	682.2	681.2	686.0	688.0	685.0	689.0
180°	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0



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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2
2.5°	664.8	667.4	672.7	676.4	679.7	684.1	685.5	688.1	684.9	688.7
5°	662.2	670.0	679.7	688.7	697.2	704.2	707.4	708.1	708.8	711.3
7.5°	655.8	667.4	682.9	695.2	708.1	712.6	714.5	715.2	710.6	712.6
10°	642.8	661.6	680.9	695.8	702.3	699.0	693.9	685.5	681.6	681.6
12.5°	628.6	652.5	675.2	683.5	677.7	665.5	651.2	635.7	629.9	629.9
15°	617.0	647.4	666.1	660.3	643.5	620.2	600.9	584.7	579.6	577.6
17.5°	610.6	644.7	651.9	633.8	605.4	576.4	556.9	543.4	538.8	538.8
20°	615.7	647.4	635.7	602.1	566.7	540.2	523.4	514.3	509.8	511.7
22.5°	637.7	657.1	621.5	571.1	527.8	505.3	497.5	491.6	491.0	492.3
25°	674.4	670.0	609.2	538.8	491.6	475.6	474.8	472.9	472.3	471.6
27.5°	722.2	686.1	594.4	502.6	455.5	447.7	451.6	450.9	450.3	450.9
30°	785.7	700.4	572.4	463.3	421.2	421.2	427.1	425.1	422.6	423.2
32.5°	844.5	710.6	538.8	419.3	394.1	395.4	397.3	392.2	385.7	387.0
35°	894.8	710.6	493.6	379.9	366.3	366.3	367.7	363.1	358.0	356.0
37.5°	936.8	696.5	436.8	350.2	343.7	343.7	348.9	344.4	334.7	332.7
40°	962.1	665.5	384.5	328.2	332.7	333.5	326.3	318.4	309.5	307.5
42.5°	978.2	620.2	343.1	312.7	325.6	320.4	303.6	291.4	290.7	293.4
45°	992.4	569.2	310.2	297.2	317.9	307.0	284.2	272.6	276.5	279.1
47.5°	1006.6	518.1	283.7	279.7	303.6	295.9	272.0	259.1	257.2	261.0
50°	1040.1	447.1	253.2	259.1	286.2	283.7	261.0	246.1	233.9	233.2
52.5°	1085.4	352.1	227.5	240.9	272.6	276.5	248.7	234.5	217.7	215.1
55°	1135.7	270.1	206.1	226.8	259.7	266.2	244.2	222.9	204.8	202.2
57.5°	1150.7	213.2	186.1	206.7	242.3	256.5	237.2	209.3	195.8	193.1
60°	1099.6	177.1	169.3	189.9	224.8	246.9	226.1	199.0	186.7	184.8
62.5°	943.8	156.3	160.2	178.9	211.9	237.7	217.7	191.2	181.5	180.3
65°	720.4	142.1	152.5	169.9	200.3	229.3	211.9	188.0	180.3	178.9
67.5°	452.3	131.8	144.8	160.2	188.6	220.4	207.4	184.2	178.3	176.3
70°	250.6	120.8	134.4	149.3	177.1	211.9	201.6	178.3	177.7	173.8
72.5°	152.5	109.1	123.3	137.6	164.1	201.6	191.2	171.1	164.7	157.0
73°	145.3	107.9	120.8	135.0	160.9	199.0	189.4	168.6	162.1	154.4
75°	117.6	96.8	110.5	122.8	149.3	188.6	178.3	159.6	149.3	143.4
77.5°	86.6	82.7	95.6	107.3	134.4	174.5	162.9	146.1	133.8	130.5
80°	64.0	68.5	80.8	91.1	118.3	160.2	146.6	130.5	122.8	118.8
82.5°	43.3	53.0	64.6	73.0	104.7	144.8	129.9	114.4	119.6	99.5
85°	25.2	36.8	46.5	56.9	84.0	129.3	113.1	97.6	85.2	76.9
87.5°	16.8	20.8	28.5	38.8	60.7	101.4	89.8	76.3	55.5	55.5
90°	8.8	11.4	12.7	11.4	15.3	51.1	37.5	42.4	11.4	10.7
92.5°	5.9	5.9	6.8	6.8	5.9	5.9	5.9	4.9	4.0	4.0
95°	6.8	6.8	7.8	6.8	6.8	6.8	6.8	5.9	4.9	4.9
97.5°	7.8	8.8	9.8	11.8	8.8	8.8	7.8	7.8	6.8	6.8
100°	18.7	22.5	25.5	28.5	20.6	11.8	9.8	8.8	7.8	7.8
102.5°	38.3	41.2	46.2	49.0	39.3	26.5	17.7	12.8	10.8	10.8
105°	59.8	63.8	68.7	70.7	61.8	47.1	35.3	26.5	21.6	20.6
107.5°	85.4	88.3	92.3	93.2	86.3	71.7	57.0	48.1	41.2	40.2



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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	113.8	116.8	118.8	117.8	111.9	100.1	85.4	72.7	66.7	64.8
112.5°	144.3	146.2	147.2	145.3	140.3	131.5	118.8	104.0	97.2	97.2
115°	173.7	175.7	178.7	175.7	170.8	164.9	156.0	144.3	136.5	137.4
117.5°	204.2	206.1	211.0	207.1	201.2	198.3	193.3	185.5	180.6	180.6
120°	238.5	240.5	245.3	241.5	238.5	232.6	228.7	221.8	218.8	220.8
122.5°	270.9	272.8	277.8	273.8	271.8	266.0	262.0	256.2	255.2	258.2
125°	304.3	304.3	309.2	307.2	304.3	299.3	293.5	290.5	288.5	292.5
127.5°	338.6	339.6	339.6	338.6	333.7	332.7	326.8	322.9	322.9	323.9
130°	372.0	374.0	374.0	370.0	365.1	363.2	359.2	355.3	354.3	356.3
132.5°	406.3	406.3	408.3	403.4	397.5	396.5	393.5	385.7	386.7	388.7
135°	441.7	438.7	439.7	434.8	428.9	427.0	424.0	418.1	418.1	421.0
137.5°	472.1	467.2	466.2	464.2	459.3	455.4	451.5	450.5	448.5	451.5
140°	499.5	494.7	492.7	490.7	487.8	481.9	480.0	478.0	476.0	479.0
142.5°	524.1	523.2	523.2	517.2	515.3	511.3	508.4	507.5	505.5	508.4
145°	547.7	550.6	551.6	545.7	540.8	539.8	536.8	534.0	535.9	539.8
147.5°	572.2	575.2	574.2	569.3	564.3	563.3	563.3	560.5	561.4	564.3
150°	594.8	591.8	588.9	586.0	582.0	582.0	582.0	582.0	581.0	584.0
152.5°	611.5	606.5	602.7	599.7	598.7	598.7	597.7	596.7	596.7	599.7
155°	626.2	624.2	619.3	614.4	616.3	618.3	615.4	613.5	613.5	617.3
157.5°	638.0	638.0	636.0	632.0	633.0	634.0	632.0	631.1	631.1	634.0
160°	647.8	648.8	651.7	645.8	642.8	642.8	643.8	646.8	647.8	650.7
162.5°	655.7	657.6	658.5	654.7	650.7	648.8	652.7	656.6	656.6	660.5
165°	665.5	667.4	664.5	659.5	660.5	660.5	663.5	663.5	665.5	668.4
167.5°	675.3	675.3	671.3	665.5	672.3	675.3	673.3	671.3	674.3	677.2
170°	683.1	681.2	676.2	673.3	678.2	680.2	679.2	679.2	682.2	685.0
172.5°	683.1	681.2	679.2	676.2	677.2	677.2	680.2	682.2	684.1	686.0
175°	681.2	683.1	682.2	677.2	677.2	678.2	682.2	684.1	685.0	687.0
177.5°	685.0	688.0	686.0	681.2	682.2	684.1	686.0	687.0	692.0	693.9
180°	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0

(END OF REPORT)