

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: P271719

Luminaire Tested: **IST-AF-600-LED-E1-T4FT-7027-ULG**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P271719  
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-600-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: 5306.2 lumens  
Efficiency: N/A  
Efficacy: 105.3 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): 50.4  
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

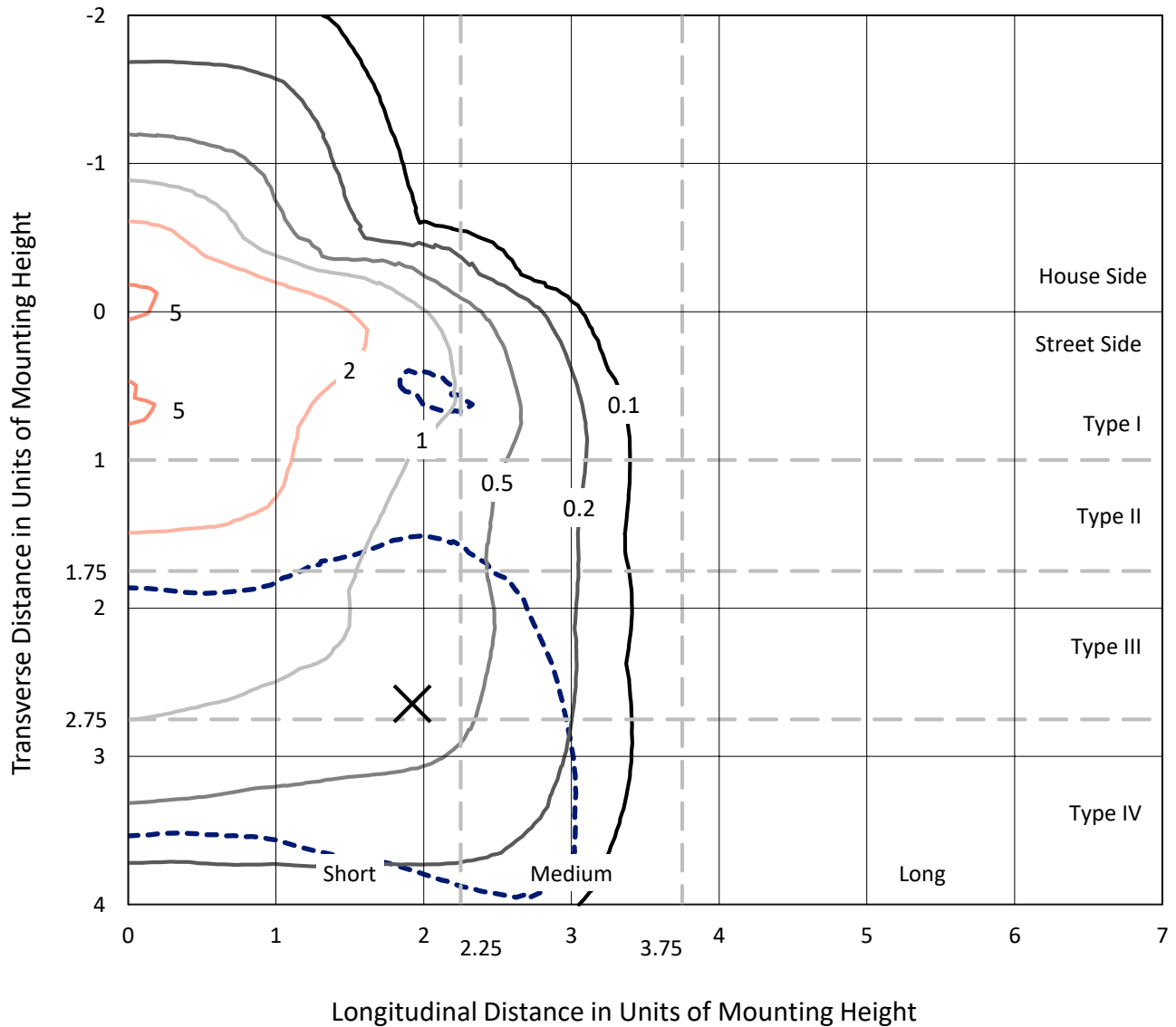


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### Iso-Footcandle Lines of Horizontal Illumination

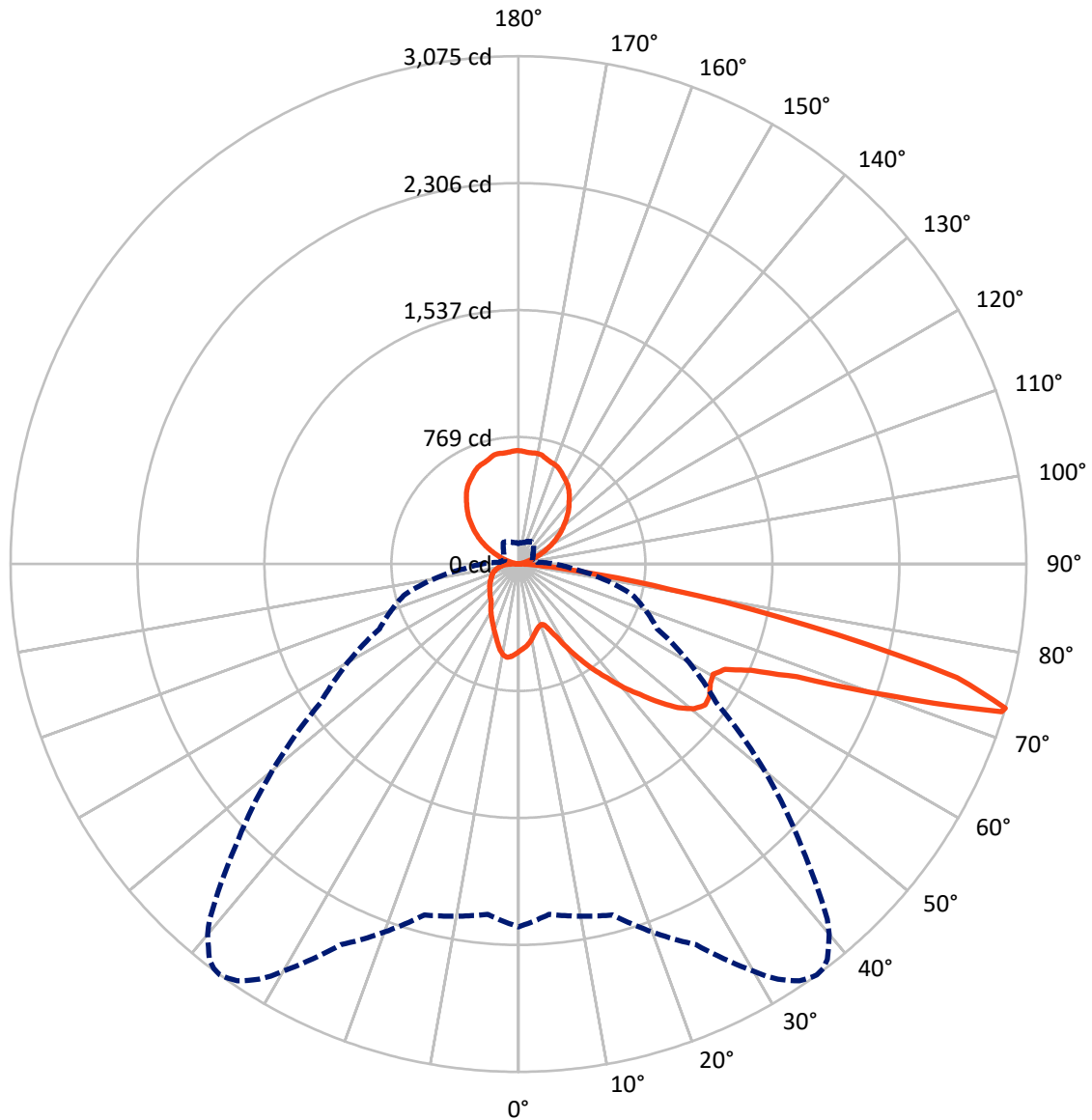
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 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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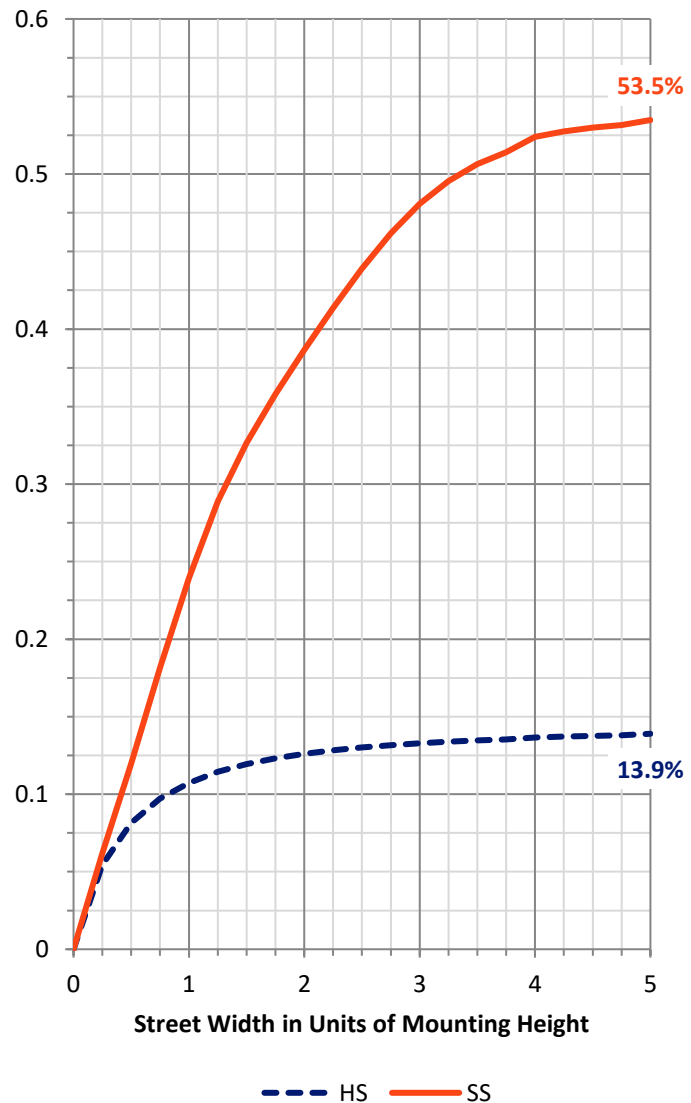
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	760.1	852.3	1612.4
	% Fixture	14.3	16.1	30.4
<b>Street Side</b>	Lumens	2842.1	851.8	3693.9
	% Fixture	53.6	16.1	69.6
<b>Total</b>	Lumens	3602.1	1704.1	5306.2
	% Fixture	67.9	32.1	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.8	0.9
10°-20°	132.0	2.5
20°-30°	216.3	4.1
30°-40°	358.3	6.8
40°-50°	526.6	9.9
50°-60°	664.0	12.5
60°-70°	869.5	16.4
70°-80°	703.8	13.3
80°-90°	82.0	1.5
90°-100°	10.2	0.2
100°-110°	56.3	1.1
110°-120°	163.1	3.1
120°-130°	268.1	5.1
130°-140°	330.6	6.2
140°-150°	338.2	6.4
150°-160°	284.9	5.4
160°-170°	187.6	3.5
170°-180°	65.0	1.2
0°-90°	3602.1	67.9
0°-180°	5306.2	100.0



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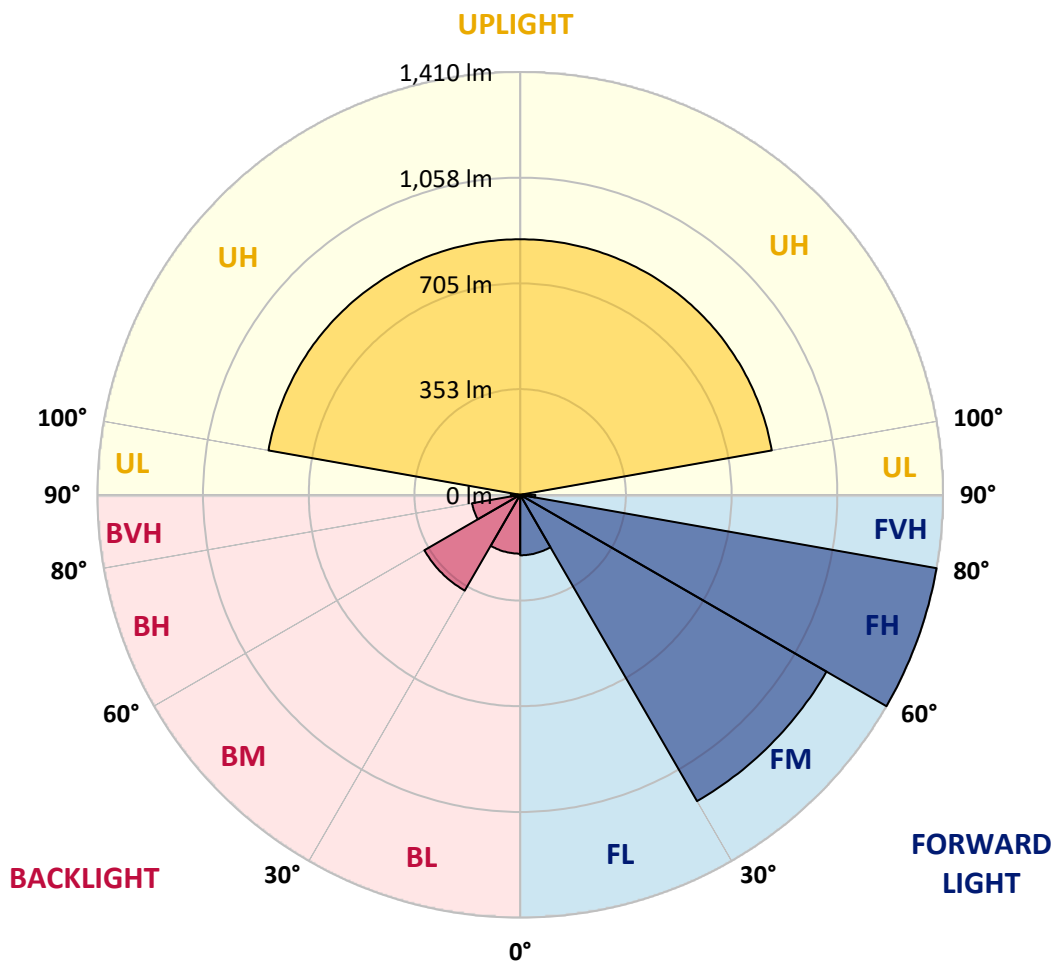
CATALOG NUMBER: IST-AF-600-LED-E1-T4FT-7027-ULG

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	201.7	3.8			
FM (30°-60°)	1179.7	22.2			
FH (60°-80°)	1410.3	26.6			G1/1800
FVH (80°-90°)	50.4	1.0			G1/100
BL (0°-30°)	196.4	3.7	B1/500		
BM (30°-60°)	369.2	7.0	B1/1000		
BH (60°-80°)	163.0	3.1	B1/500		G1/500
BVH (80°-90°)	31.5	0.6			G1/100
UL (90°-100°)	10.2	0.2		U2/50	
UH (100°-180°)	852.3	16.1		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°	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0
2.5°	510.0	511.0	512.0	512.0	512.0	513.5	513.0	513.0	513.5	514.1	514.1
5°	490.8	491.4	494.4	495.4	498.6	498.1	498.1	498.1	500.2	498.6	499.5
7.5°	469.2	470.3	473.2	476.9	479.4	480.1	479.4	478.4	481.0	482.1	481.0
10°	443.3	443.9	448.1	451.1	455.2	454.7	456.2	456.2	457.2	456.8	458.9
12.5°	430.5	429.4	427.3	428.9	429.9	429.9	429.9	431.5	431.0	432.1	433.5
15°	428.9	426.3	415.9	412.4	411.3	411.3	410.9	410.3	411.9	413.4	413.4
17.5°	436.1	431.0	410.9	400.6	398.5	397.4	397.9	396.9	396.9	398.9	398.5
20°	471.3	462.0	421.7	398.9	392.8	392.8	392.3	390.8	390.8	391.2	391.2
22.5°	560.5	548.7	478.4	431.5	409.8	409.3	407.7	406.2	402.1	401.0	398.9
25°	684.9	670.9	550.8	500.2	469.6	468.6	460.9	459.8	450.1	450.6	443.9
27.5°	781.4	772.1	647.2	580.1	551.2	545.0	541.4	532.2	523.9	517.2	508.9
30°	814.4	812.9	744.8	690.5	647.2	640.0	630.3	626.1	614.2	604.9	599.2
32.5°	866.5	868.1	839.7	779.9	742.2	734.9	726.7	716.8	708.7	702.5	689.0
35°	941.0	941.4	921.8	876.8	833.5	823.7	819.2	807.8	800.0	792.2	785.6
37.5°	992.4	995.1	981.2	946.5	920.8	906.7	906.3	898.0	889.3	882.6	876.4
40°	1091.6	1077.7	1031.7	1009.5	988.3	986.9	982.2	977.5	979.6	976.0	982.7
42.5°	1191.7	1174.2	1110.1	1078.8	1065.7	1068.4	1066.8	1067.4	1073.6	1071.9	1079.2
45°	1277.4	1257.3	1196.5	1159.3	1169.5	1172.6	1181.5	1186.6	1184.0	1193.3	1193.3
47.5°	1363.1	1316.2	1243.8	1261.0	1268.1	1291.9	1298.1	1296.5	1305.2	1309.4	1298.1
50°	1302.7	1290.3	1284.7	1336.8	1369.3	1377.0	1385.8	1390.5	1394.6	1388.9	1377.6
52.5°	1175.3	1174.2	1254.2	1381.6	1409.0	1419.3	1427.6	1431.2	1429.7	1426.6	1417.3
55°	1132.4	1124.0	1193.3	1335.2	1377.0	1386.8	1398.8	1405.9	1413.1	1412.1	1404.9
57.5°	1190.7	1184.0	1184.5	1294.5	1335.2	1344.0	1351.7	1360.0	1362.1	1368.7	1369.3
60°	1360.0	1351.2	1280.5	1292.9	1334.3	1344.0	1345.0	1349.6	1350.2	1353.7	1354.4
62.5°	1604.1	1588.1	1480.2	1387.3	1401.9	1406.5	1410.1	1409.0	1406.9	1404.4	1404.4
65°	1871.5	1856.4	1717.6	1609.3	1567.5	1578.8	1560.7	1557.1	1553.0	1553.0	1548.4
67.5°	2189.3	2161.1	2053.6	1931.8	1871.5	1877.2	1885.5	1853.9	1842.5	1843.6	1819.3
70°	2513.5	2483.6	2436.7	2435.0	2465.6	2452.1	2413.9	2464.5	2404.7	2390.2	2385.0
72.5°	2334.4	2298.9	2308.6	2600.2	2873.8	2918.2	2960.5	2999.7	3034.8	3056.0	3059.1
73°	2197.2	2129.5	2199.7	2542.5	2845.9	2911.5	2964.1	3006.0	3043.5	3062.7	3074.6
75°	1097.3	1101.0	1446.7	2097.5	2487.2	2543.6	2625.6	2671.5	2739.7	2774.8	2743.7
77.5°	254.5	263.7	438.2	995.6	1491.1	1571.7	1637.3	1704.3	1783.2	1812.6	1786.9
80°	89.8	94.0	154.3	378.4	622.4	666.8	723.0	796.9	870.2	888.2	933.7
82.5°	47.5	52.1	81.6	164.1	265.8	290.6	305.1	335.4	361.3	376.7	385.0
85°	27.4	27.8	46.4	90.9	121.8	131.6	140.9	148.1	156.3	150.7	150.7
87.5°	10.8	11.9	23.7	42.8	58.7	65.6	65.6	65.6	65.0	57.3	52.1
90°	7.0	8.1	11.5	16.6	15.6	15.6	15.1	14.0	13.6	14.0	11.4
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°	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0
2.5°	515.1	515.5	514.5	516.6	515.1	515.1	517.6	522.4	526.0	526.9	530.1
5°	500.6	501.2	501.2	501.6	501.2	502.2	506.8	511.0	518.2	521.8	526.5
7.5°	482.1	483.6	483.1	484.2	484.2	485.2	492.5	499.1	506.4	513.0	518.7
10°	459.8	460.9	463.0	462.0	462.0	465.1	472.8	482.6	491.4	501.2	507.9
12.5°	433.5	436.1	435.6	437.7	438.7	440.8	453.6	464.5	475.3	486.7	495.4
15°	413.0	414.5	415.5	415.9	415.9	420.7	433.5	447.0	461.4	474.8	484.2
17.5°	399.5	399.5	400.6	401.0	402.1	405.1	418.6	433.5	450.1	466.6	476.9
20°	391.8	391.8	392.3	392.8	392.8	396.4	408.8	425.8	443.9	465.1	477.4
22.5°	397.9	396.4	395.8	395.8	393.7	393.7	405.7	423.7	446.5	473.8	489.8
25°	440.3	435.6	428.4	426.9	424.3	411.9	410.3	431.0	458.9	492.9	517.2
27.5°	503.7	499.1	494.4	488.8	484.6	462.0	431.0	449.5	482.6	531.1	561.0
30°	586.9	577.5	570.9	564.7	546.6	521.8	473.8	478.4	519.2	584.3	622.0
32.5°	679.7	670.0	659.6	645.2	640.5	600.2	538.8	526.5	565.8	646.2	685.5
35°	769.6	764.9	757.7	752.0	741.1	707.7	623.4	584.3	619.3	718.9	749.5
37.5°	873.8	865.1	865.6	860.8	854.6	826.4	711.2	654.0	677.1	788.6	807.8
40°	976.5	974.4	977.5	969.8	959.5	921.3	775.8	705.0	737.6	855.7	851.1
42.5°	1073.6	1075.1	1071.5	1062.8	1051.4	987.3	817.0	748.4	791.8	914.6	885.7
45°	1184.5	1178.8	1163.8	1148.4	1134.5	1044.1	839.3	796.9	843.9	978.1	920.8
47.5°	1289.2	1267.1	1254.2	1230.5	1203.1	1095.8	869.2	848.0	901.7	1037.9	954.3
50°	1366.2	1345.5	1323.8	1295.0	1266.1	1140.7	908.9	905.9	967.3	1105.1	1000.3
52.5°	1401.3	1382.2	1361.0	1331.6	1302.7	1173.2	962.1	962.1	1044.7	1193.8	1063.8
55°	1395.6	1381.6	1363.1	1336.3	1314.1	1190.7	1016.8	1024.0	1141.7	1289.8	1137.1
57.5°	1365.6	1358.0	1347.1	1328.5	1310.4	1204.1	1081.3	1085.9	1271.7	1382.2	1206.2
60°	1355.4	1352.3	1346.1	1335.2	1321.2	1233.6	1149.9	1160.3	1417.3	1466.8	1245.4
62.5°	1401.3	1395.1	1390.5	1379.5	1366.7	1305.8	1236.2	1239.2	1554.1	1477.2	1207.2
65°	1530.4	1518.9	1511.2	1496.8	1482.3	1414.7	1346.1	1312.5	1621.1	1380.7	1077.7
67.5°	1800.8	1782.1	1760.0	1732.7	1692.9	1632.0	1455.0	1322.8	1560.3	1169.5	850.1
70°	2335.4	2295.2	2244.1	2185.8	2170.8	1993.2	1523.1	1246.5	1297.1	817.0	563.6
72.5°	3054.0	3012.2	2966.7	2918.8	2823.7	2433.6	1493.2	1005.5	806.7	420.1	268.4
73°	3065.8	3037.3	2982.7	2926.9	2849.5	2425.9	1460.6	927.1	711.2	330.8	219.8
75°	2749.4	2738.0	2684.3	2577.1	2511.5	2049.0	1075.6	537.3	311.3	204.4	143.0
77.5°	1784.2	1771.9	1741.5	1731.1	1610.3	1328.5	481.5	209.0	169.3	135.7	101.1
80°	950.7	892.9	882.6	841.4	753.0	511.5	164.7	128.0	112.5	90.9	70.7
82.5°	385.6	360.8	351.5	318.4	299.3	153.3	82.6	88.8	75.4	53.7	43.4
85°	141.9	130.5	127.5	103.8	91.4	45.5	50.6	62.4	47.0	29.9	21.6
87.5°	49.0	42.3	36.7	28.4	26.3	18.5	27.8	34.0	29.9	18.1	10.3
90°	11.3	10.7	10.0	9.4	9.8	8.9	10.0	13.5	14.0	10.0	8.9
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°	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0
2.5°	531.1	533.1	537.3	540.4	542.9	546.6	547.6	549.7	547.1	550.2
5°	529.0	535.2	542.9	550.2	556.9	562.6	565.1	565.8	566.2	568.3
7.5°	523.9	533.1	545.5	555.3	565.8	569.3	570.9	571.3	567.8	569.3
10°	513.5	528.6	544.0	555.9	561.0	558.5	554.3	547.6	544.6	544.6
12.5°	502.2	521.3	539.3	546.1	541.4	531.5	520.3	507.9	503.2	503.2
15°	492.9	517.2	532.2	527.5	514.1	495.4	480.1	467.1	463.0	461.4
17.5°	487.7	515.1	520.7	506.4	483.6	460.4	444.9	434.2	430.5	430.5
20°	491.9	517.2	507.9	481.0	452.7	431.5	418.1	410.9	407.2	408.8
22.5°	509.4	524.9	496.5	456.2	421.7	403.6	397.4	392.8	392.3	393.3
25°	538.8	535.2	486.7	430.5	392.8	379.8	379.4	377.7	377.3	376.7
27.5°	577.0	548.1	474.8	401.5	363.8	357.6	360.8	360.3	359.7	360.3
30°	627.6	559.5	457.2	370.0	336.5	336.5	341.2	339.6	337.5	338.0
32.5°	674.5	567.8	430.5	335.0	314.9	315.8	317.4	313.3	308.1	309.2
35°	714.8	567.8	394.4	303.4	292.7	292.7	293.7	290.1	285.9	284.4
37.5°	748.4	556.4	348.9	279.7	274.6	274.6	278.7	275.2	267.3	265.8
40°	768.5	531.5	307.1	262.1	265.8	266.3	260.7	254.5	247.2	245.7
42.5°	781.4	495.4	274.1	249.8	260.1	255.9	242.6	232.8	232.2	234.3
45°	792.8	454.7	247.8	237.4	254.0	245.1	227.1	217.7	220.9	223.0
47.5°	804.2	413.8	226.6	223.5	242.6	236.3	217.3	207.0	205.4	208.6
50°	830.9	357.2	202.3	207.0	228.7	226.6	208.6	196.7	186.8	186.3
52.5°	867.1	281.3	181.6	192.5	217.7	220.9	198.7	187.4	173.9	171.8
55°	907.4	215.8	164.7	181.2	207.5	212.7	195.1	178.0	163.6	161.5
57.5°	919.2	170.3	148.6	165.2	193.6	204.9	189.5	167.3	156.3	154.3
60°	878.5	141.4	135.3	151.7	179.6	197.2	180.6	159.0	149.2	147.6
62.5°	754.0	125.0	128.0	143.0	169.3	189.9	173.9	152.8	145.1	144.0
65°	575.5	113.5	121.8	135.7	160.0	183.3	169.3	150.2	144.0	143.0
67.5°	361.3	105.3	115.6	128.0	150.7	176.0	165.6	147.1	142.4	140.9
70°	200.2	96.5	107.3	119.3	141.4	169.3	161.1	142.4	141.9	138.9
72.5°	121.8	87.2	98.5	110.0	131.2	161.1	152.8	136.8	131.6	125.4
73°	116.2	86.1	96.5	107.9	128.5	159.0	151.3	134.7	129.5	123.3
75°	94.0	77.4	88.2	98.1	119.3	150.7	142.4	127.5	119.3	114.5
77.5°	69.2	66.0	76.4	85.7	107.3	139.3	130.1	116.6	106.9	104.2
80°	51.1	54.7	64.5	72.8	94.4	128.0	117.2	104.2	98.1	95.0
82.5°	34.6	42.3	51.7	58.3	83.6	115.6	103.8	91.4	95.5	79.5
85°	20.1	29.5	37.2	45.5	67.1	103.2	90.3	78.0	68.1	61.4
87.5°	13.5	16.5	22.6	31.0	48.5	81.0	71.8	60.9	44.4	44.4
90°	8.4	10.9	11.9	10.5	13.6	42.4	31.6	35.2	10.2	9.5
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)