

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: NEO-RAY

Report Number: P332265-940

Luminaire Tested: **S123RDIP-S340D1195U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332265-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S123RDIP-S340D1195U940-4F0-1E-UDD-A1  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1195 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4866.4 lumens  
Efficiency: N/A  
Efficacy: 115.3 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: Semi-Indirect

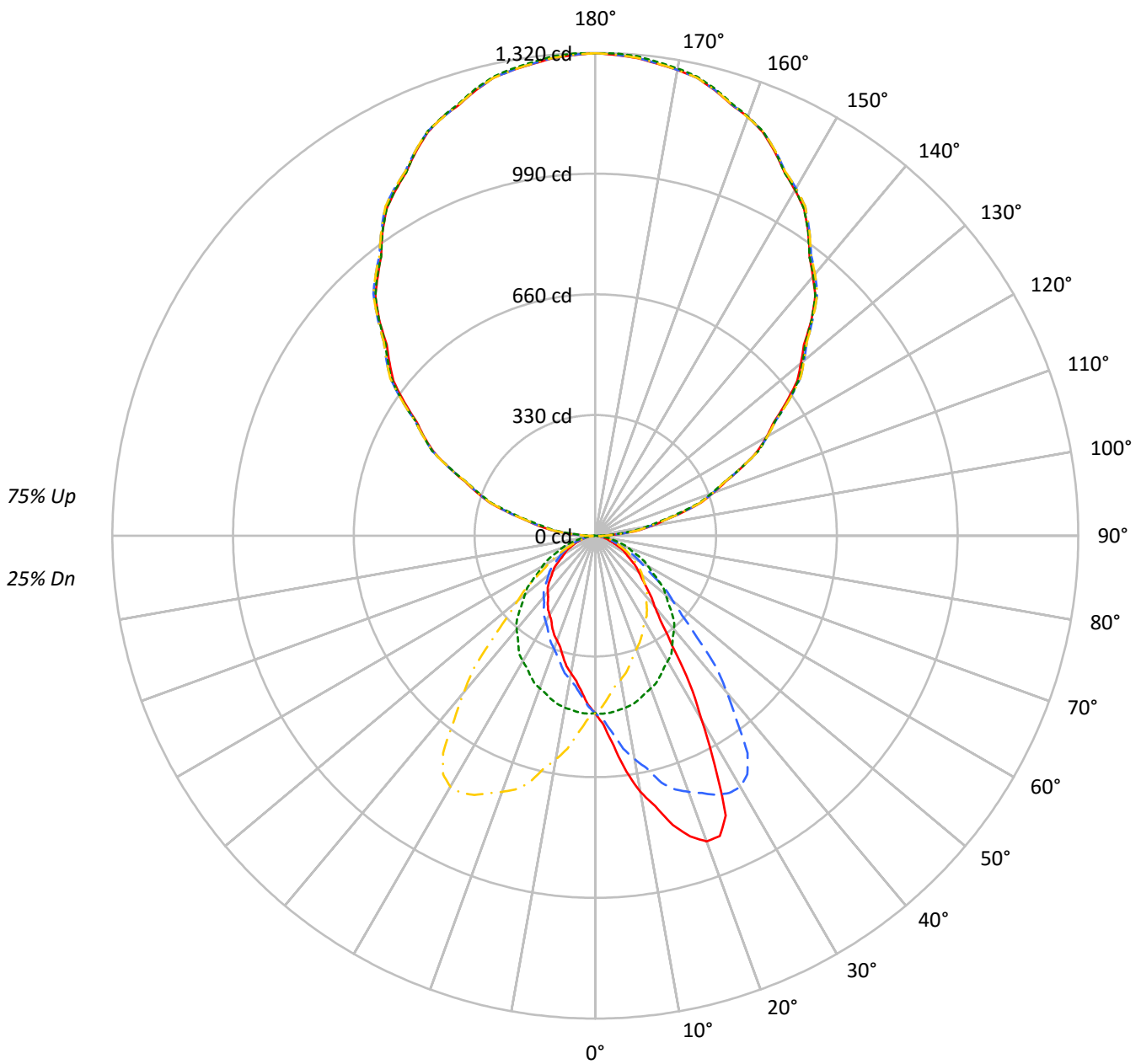
Input Watts (W): 42.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°    - - - 135°-315°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	101	101	101	101	90	90	90	90	69	69	69	50	50	50	33	33	33	25
1	92	88	85	81	82	79	76	73	61	59	57	45	43	42	30	29	28	22
2	84	77	72	67	75	69	64	60	54	51	48	40	38	36	26	25	24	18
3	77	68	61	56	68	61	55	51	48	44	40	35	33	31	24	22	21	16
4	71	60	53	47	63	54	48	43	42	38	35	31	29	26	21	20	18	14
5	65	54	46	41	57	48	42	37	38	33	30	28	25	23	19	17	16	12
6	60	48	41	35	53	43	37	32	34	29	26	26	22	20	18	16	14	11
7	55	43	36	31	49	39	33	28	31	26	23	23	20	18	16	14	13	10
8	51	39	32	27	45	35	29	25	28	24	20	21	18	16	15	13	11	9
9	47	36	29	24	42	32	26	22	26	21	18	19	16	14	14	12	10	8
10	44	33	26	21	39	30	24	20	24	19	16	18	15	13	13	11	9	7

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	5224	5224	5224	5224
5°	6227	5246	4620	5246
10°	7774	5216	4173	5216
15°	9126	5162	3806	5162
20°	10186	5082	3494	5082
25°	10023	4999	3301	4999
30°	7204	4922	3104	4922
35°	4809	4820	2975	4820
40°	3544	4700	2843	4700
45°	2973	4488	2714	4488
50°	2624	4210	2532	4210
55°	2301	3890	2284	3890
60°	2047	3587	2093	3587
65°	1798	3260	1946	3260
70°	1413	2968	1778	2968
75°	1243	2591	1626	2591
80°	1085	2201	1599	2201
85°	865	1778	1692	1778



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.7	1.0
10°-20°	149.1	3.1
20°-30°	234.2	4.8
30°-40°	244.4	5.0
40°-50°	209.1	4.3
50°-60°	159.4	3.3
60°-70°	102.2	2.1
70°-80°	49.1	1.0
80°-90°	16.9	0.3
90°-100°	85.9	1.8
100°-110°	257.2	5.3
110°-120°	437.4	9.0
120°-130°	575.3	11.8
130°-140°	646.7	13.3
140°-150°	635.6	13.1
150°-160°	535.1	11.0
160°-170°	356.2	7.3
170°-180°	124.7	2.6
0°-30°	431.1	8.9
0°-40°	675.4	13.9
0°-60°	1044.0	21.5
0°-90°	1212.2	24.9
90°-120°	780.5	16.0
90°-150°	2638.1	54.2
90°-180°	3654.0	75.1
0°-180°	4866.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	485	485	485	485	485	
5°	576	486	428	486	576	59
15°	819	463	342	463	819	232
25°	844	421	278	421	844	363
35°	366	367	226	367	366	240
45°	195	295	178	295	195	154
55°	123	207	122	207	123	111
65°	71	128	76	128	71	69
75°	30	62	39	62	30	32
85°	7	14	14	14	7	9
90°	31	1	31	1	31	15
95°	81	61	81	61	81	83
105°	247	233	247	233	247	262
115°	441	440	441	440	441	437
125°	637	644	637	644	637	570
135°	835	836	835	836	835	642
145°	1014	1014	1014	1014	1014	633
155°	1159	1162	1159	1162	1159	534
165°	1261	1265	1261	1265	1261	356
175°	1311	1316	1311	1316	1311	124
180°	1319	1319	1319	1319	1319	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3
2.5°	516.9	517.5	515.4	515.1	512.6	511.9	511.9	508.4	506.2	503.5	501.8
5°	576.3	579.6	577.9	574.3	568.0	566.5	562.6	556.3	549.3	540.6	536.5
7.5°	650.5	655.1	653.3	647.6	641.0	635.7	624.6	614.2	599.8	587.0	576.1
10°	711.3	706.6	702.8	697.2	691.2	681.4	669.8	653.8	635.3	620.7	604.6
12.5°	756.9	756.1	751.4	745.6	737.1	727.8	713.5	694.0	672.5	651.5	632.9
15°	818.9	820.2	817.1	811.1	799.0	782.6	761.0	752.9	722.1	699.3	676.5
17.5°	861.9	861.7	861.2	852.9	840.6	828.9	808.9	787.6	759.7	727.5	696.8
20°	889.2	887.1	887.5	878.2	869.1	855.5	836.0	805.0	782.2	745.0	713.2
22.5°	888.5	888.1	889.7	886.4	879.9	869.5	854.1	828.0	798.8	761.3	725.5
25°	843.9	842.2	851.9	854.7	865.3	867.2	862.6	848.3	820.6	781.9	737.7
27.5°	706.2	705.3	723.4	746.2	774.9	797.3	818.9	829.3	820.6	792.9	748.6
30°	579.6	599.1	608.3	641.1	677.7	721.3	759.6	795.9	804.9	792.7	756.4
32.5°	481.3	498.3	506.0	534.0	568.2	619.3	676.6	728.1	764.5	773.6	751.8
35°	366.0	366.2	383.7	396.2	427.8	480.3	536.0	604.9	673.5	725.5	730.8
37.5°	292.1	293.1	303.7	316.1	339.8	367.6	416.6	473.9	553.1	632.8	679.7
40°	252.2	254.0	262.0	274.2	291.2	312.3	350.4	404.5	470.6	559.3	631.8
42.5°	226.6	229.6	233.7	243.2	253.7	273.4	304.3	346.0	406.1	490.0	573.6
45°	195.3	197.0	200.1	204.5	214.0	227.7	248.4	276.5	326.4	393.9	477.6
47.5°	172.3	171.4	174.7	178.2	184.6	193.9	207.9	230.7	266.3	320.5	391.5
50°	156.7	156.4	158.7	161.4	167.5	174.3	185.7	203.0	231.2	276.1	341.2
52.5°	142.0	142.8	144.5	147.8	152.1	157.7	167.9	180.4	204.6	243.3	297.6
55°	122.6	123.2	125.5	127.3	130.5	136.1	142.5	152.9	169.5	196.5	241.2
57.5°	106.1	105.8	108.0	108.5	112.0	116.5	121.5	129.7	141.7	161.8	191.8
60°	95.1	94.5	96.4	97.8	99.7	103.4	107.6	115.5	125.1	139.8	165.6
62.5°	85.2	84.9	86.2	87.7	89.3	92.6	96.1	102.2	109.8	122.2	142.7
65°	70.6	71.2	71.9	72.5	73.3	75.4	78.7	82.9	88.1	96.8	111.6
67.5°	55.6	56.2	56.4	57.6	59.4	60.7	62.8	66.4	70.1	77.4	85.8
70°	44.9	44.7	44.9	45.5	47.8	50.0	52.8	55.5	57.8	63.0	70.0
72.5°	38.5	38.2	38.7	38.9	39.9	40.6	42.3	44.9	47.8	51.3	56.4
75°	29.9	29.9	29.9	29.9	30.8	31.1	31.7	32.4	33.4	35.1	38.9
77.5°	22.1	22.1	22.5	22.6	22.8	23.1	23.5	24.1	24.4	25.3	26.9
80°	17.5	17.7	17.5	17.7	17.7	18.1	18.3	18.9	19.1	20.2	20.8
82.5°	13.1	13.0	13.1	13.4	13.4	13.7	13.8	14.3	14.3	14.8	15.4
85°	7.0	6.7	7.0	6.9	7.3	6.9	7.0	7.5	7.5	7.7	8.6
87.5°	7.8	8.1	7.7	7.8	7.7	7.7	7.5	7.3	7.5	7.1	6.7
90°	31.1	30.6	30.1	29.7	29.2	28.5	27.6	26.8	25.8	24.9	21.8
92.5°	41.8	42.1	42.4	42.7	43.0	42.7	42.0	41.3	40.5	39.8	38.1
95°	80.8	80.8	80.8	80.8	80.8	80.3	79.5	78.5	77.6	76.7	74.8
97.5°	124.3	124.4	124.5	124.6	124.7	124.2	123.1	122.1	121.0	119.9	118.6
100°	157.5	157.0	156.6	156.1	155.6	155.1	154.4	153.6	153.0	152.3	151.1
102.5°	191.5	191.5	191.6	191.7	191.8	191.5	190.8	190.1	189.5	188.8	187.3
105°	246.6	246.1	245.7	245.2	244.8	244.5	244.5	244.5	244.5	244.5	242.5
107.5°	304.0	304.3	304.5	304.8	305.1	304.9	304.2	303.4	302.6	301.9	301.0
110°	343.0	343.4	343.8	344.3	344.7	344.6	343.7	342.7	341.8	340.9	340.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	384.4	384.5	384.6	384.7	384.8	384.2	383.2	382.0	380.9	379.8	379.7
115°	441.4	441.6	441.8	442.0	442.3	442.3	442.0	441.8	441.6	441.4	441.8
117.5°	499.2	499.8	500.4	501.1	501.8	502.1	502.1	502.2	502.2	502.3	502.9
120°	539.8	540.3	540.7	541.2	541.6	542.0	542.2	542.4	542.7	542.9	544.0
122.5°	578.7	579.3	580.1	580.7	581.3	581.9	582.6	583.2	583.7	584.3	585.0
125°	637.2	638.1	639.0	640.0	640.9	641.8	642.7	643.6	644.5	645.5	646.0
127.5°	695.4	696.4	697.5	698.6	699.6	700.8	702.1	703.4	704.7	706.0	706.5
130°	733.5	735.1	736.7	738.3	739.9	741.3	742.2	743.1	744.0	744.9	745.6
132.5°	773.3	774.5	775.8	777.0	778.3	779.4	780.6	781.7	782.7	783.9	784.3
135°	835.1	835.5	836.0	836.4	836.9	837.6	838.5	839.5	840.3	841.2	841.5
137.5°	889.6	890.5	891.4	892.2	893.0	893.9	894.9	895.9	896.9	897.9	897.2
140°	925.2	926.8	928.4	930.1	931.7	932.6	932.8	933.0	933.3	933.5	933.3
142.5°	961.7	963.0	964.1	965.4	966.6	967.4	967.6	967.9	968.0	968.3	967.9
145°	1014.3	1015.2	1016.1	1017.1	1018.0	1018.6	1018.8	1019.0	1019.2	1019.5	1018.8
147.5°	1061.1	1062.5	1063.9	1065.2	1066.7	1067.4	1067.4	1067.4	1067.4	1067.4	1066.7
150°	1091.0	1092.3	1093.8	1095.1	1096.5	1097.2	1097.2	1097.2	1097.2	1097.2	1096.7
152.5°	1120.0	1121.1	1122.4	1123.6	1124.8	1125.2	1124.8	1124.4	1124.1	1123.7	1123.5
155°	1159.3	1161.0	1162.6	1164.2	1165.8	1166.2	1165.2	1164.3	1163.4	1162.4	1162.3
157.5°	1195.2	1196.5	1197.7	1199.1	1200.3	1200.5	1199.5	1198.5	1197.7	1196.7	1196.5
160°	1218.4	1219.3	1220.2	1221.2	1222.1	1222.0	1220.8	1219.7	1218.5	1217.4	1217.4
162.5°	1235.8	1237.2	1238.8	1240.2	1241.7	1241.9	1240.7	1239.6	1238.4	1237.2	1237.1
165°	1260.9	1262.5	1264.1	1265.7	1267.3	1267.5	1266.1	1264.7	1263.3	1261.9	1261.9
167.5°	1282.2	1283.6	1285.0	1286.5	1287.9	1287.9	1286.5	1285.0	1283.6	1282.2	1282.0
170°	1293.0	1294.6	1296.2	1297.9	1299.5	1299.5	1297.9	1296.2	1294.6	1293.0	1293.0
172.5°	1301.3	1302.9	1304.5	1306.1	1307.8	1307.9	1306.4	1305.0	1303.6	1302.2	1302.2
175°	1310.6	1312.2	1313.8	1315.5	1317.1	1317.1	1315.8	1314.4	1313.0	1311.6	1311.6
177.5°	1315.6	1316.9	1318.1	1319.5	1320.7	1320.8	1319.7	1318.7	1317.5	1316.4	1316.4
180°	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3
2.5°	501.1	500.6	498.3	495.6	492.1	489.8	487.9	487.0	483.9	480.3	477.9
5°	532.1	525.8	519.2	511.0	503.5	495.9	491.2	485.5	478.7	471.0	465.6
7.5°	565.2	552.9	539.8	526.2	512.8	500.8	490.1	481.0	470.1	459.1	451.4
10°	590.7	572.7	554.3	535.4	518.2	501.9	489.5	477.2	464.1	451.5	441.8
12.5°	613.8	590.2	568.9	545.6	523.6	504.3	486.3	471.9	456.1	442.6	431.8
15°	643.0	618.8	593.2	557.8	528.5	504.0	482.1	463.2	444.2	427.6	417.0
17.5°	670.3	634.1	599.4	570.0	531.9	501.3	474.7	452.1	431.1	413.5	400.4
20°	681.6	646.5	608.9	571.3	534.0	499.6	468.7	443.7	422.0	402.0	389.9
22.5°	688.4	648.7	609.0	568.6	529.0	493.3	462.7	435.2	411.6	392.7	377.8
25°	696.3	649.0	605.4	565.5	525.0	486.3	450.0	420.9	395.4	375.2	359.4
27.5°	701.6	645.9	594.3	550.0	508.9	470.5	437.1	406.3	380.3	359.0	342.1
30°	702.6	643.4	585.9	537.9	496.1	460.7	425.4	396.0	368.5	345.9	330.1
32.5°	703.9	637.2	574.4	523.4	480.6	445.7	413.7	385.5	357.4	335.1	319.0
35°	698.5	633.8	557.0	498.4	455.6	421.7	392.9	366.8	339.3	317.6	301.2
37.5°	674.8	620.4	539.0	470.2	425.4	394.1	370.6	347.9	322.6	299.3	283.8
40°	651.1	607.1	525.0	453.1	406.4	374.2	352.9	334.5	310.0	288.1	271.5
42.5°	615.7	588.9	511.7	435.2	384.8	353.7	335.8	318.5	297.0	274.8	259.2
45°	550.7	554.3	484.5	406.5	354.8	323.7	306.8	294.8	275.7	257.4	241.4
47.5°	469.3	502.3	452.5	376.1	323.3	294.1	279.4	268.9	255.9	238.0	223.4
50°	416.2	463.2	427.0	355.7	303.5	274.5	259.9	251.4	240.1	226.0	212.1
52.5°	367.1	417.8	396.0	332.9	282.0	255.5	241.3	234.3	225.3	212.0	199.5
55°	299.3	350.7	345.7	298.5	249.9	226.0	215.3	207.3	201.3	191.4	181.4
57.5°	242.2	290.8	293.4	260.3	221.6	198.0	188.7	182.7	178.8	171.3	162.0
60°	206.1	250.7	259.5	234.5	201.3	180.6	171.4	166.6	163.5	157.5	150.4
62.5°	176.2	214.2	224.1	206.2	181.9	162.4	155.2	150.7	148.6	143.4	137.1
65°	134.8	166.4	175.9	166.0	153.3	137.8	131.9	128.0	126.1	123.2	118.6
67.5°	101.4	124.4	134.9	127.9	123.2	113.4	109.8	107.6	105.9	104.0	100.1
70°	81.4	98.4	109.2	107.5	103.7	98.4	95.8	94.3	92.6	91.0	87.7
72.5°	65.5	77.2	87.3	88.3	85.2	84.2	81.8	81.1	80.2	78.2	76.3
75°	43.4	51.5	58.6	61.3	62.5	63.6	62.5	62.3	62.2	60.5	59.4
77.5°	28.4	32.8	37.3	41.9	43.9	45.2	45.6	46.4	45.7	44.9	44.4
80°	21.8	22.8	25.9	29.9	33.0	34.2	35.1	35.5	35.3	35.1	34.2
82.5°	15.9	16.7	18.2	21.0	23.5	25.6	26.1	26.0	26.5	26.7	25.9
85°	8.6	8.7	9.2	9.5	11.0	13.3	13.9	14.4	14.7	14.7	13.5
87.5°	6.4	5.7	5.4	4.9	4.9	4.6	5.2	5.5	6.2	6.0	6.4
90°	18.9	15.9	12.9	10.3	7.9	5.6	3.3	1.1	3.3	5.6	7.9
92.5°	36.4	34.7	33.0	31.3	29.8	28.2	26.7	25.1	26.7	28.2	29.8
95°	72.9	71.2	69.3	67.6	66.0	64.4	62.8	61.2	62.8	64.4	66.0
97.5°	117.3	116.0	114.7	113.3	112.2	111.0	109.8	108.6	109.8	111.0	112.2
100°	150.0	148.8	147.7	146.4	145.1	143.7	142.3	140.9	142.3	143.7	145.1
102.5°	185.7	184.2	182.7	181.6	180.7	179.9	179.1	178.2	179.1	179.9	180.7
105°	240.4	238.3	236.2	235.0	234.5	234.1	233.5	233.1	233.5	234.1	234.5
107.5°	300.2	299.4	298.6	298.0	297.7	297.5	297.2	296.9	297.2	297.5	297.7
110°	339.9	339.5	339.0	338.6	338.1	337.6	337.2	336.7	337.2	337.6	338.1





TEST NUMBER: P332265-940

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	379.6	379.5	379.4	379.2	379.0	378.7	378.4	378.2	378.4	378.7	379.0
115°	442.3	442.7	443.2	443.1	442.4	441.7	441.0	440.3	441.0	441.7	442.4
117.5°	503.5	504.1	504.7	504.7	504.3	503.8	503.4	502.9	503.4	503.8	504.3
120°	545.2	546.4	547.5	547.4	546.0	544.7	543.2	541.9	543.2	544.7	546.0
122.5°	585.5	586.1	586.7	586.6	585.5	584.5	583.4	582.5	583.4	584.5	585.5
125°	646.4	646.8	647.3	647.2	646.5	645.8	645.2	644.4	645.2	645.8	646.5
127.5°	706.9	707.5	708.0	707.5	706.1	704.5	703.1	701.6	703.1	704.5	706.1
130°	746.3	747.0	747.7	747.1	745.3	743.4	741.5	739.8	741.5	743.4	745.3
132.5°	784.9	785.4	786.0	785.2	783.4	781.6	779.7	777.8	779.7	781.6	783.4
135°	841.8	842.0	842.2	841.6	840.3	838.8	837.5	836.1	837.5	838.8	840.3
137.5°	896.6	896.1	895.5	894.6	893.4	892.2	891.1	890.0	891.1	892.2	893.4
140°	933.0	932.8	932.6	931.8	930.8	929.6	928.4	927.3	928.4	929.6	930.8
142.5°	967.5	967.1	966.6	965.9	964.7	963.6	962.4	961.3	962.4	963.6	964.7
145°	1018.1	1017.4	1016.7	1016.1	1015.7	1015.2	1014.8	1014.3	1014.8	1015.2	1015.7
147.5°	1066.0	1065.4	1064.8	1064.1	1063.2	1062.4	1061.6	1060.7	1061.6	1062.4	1063.2
150°	1096.3	1095.8	1095.4	1094.9	1094.4	1094.0	1093.5	1093.1	1093.5	1094.0	1094.4
152.5°	1123.2	1122.8	1122.6	1122.1	1121.5	1120.9	1120.3	1119.5	1120.3	1120.9	1121.5
155°	1162.0	1161.8	1161.5	1161.5	1161.5	1161.5	1161.5	1161.5	1161.5	1161.5	1161.5
157.5°	1196.3	1196.1	1195.9	1196.0	1196.2	1196.5	1196.8	1197.0	1196.8	1196.5	1196.2
160°	1217.4	1217.4	1217.4	1217.6	1218.1	1218.5	1219.0	1219.4	1219.0	1218.5	1218.1
162.5°	1236.9	1236.7	1236.5	1236.8	1237.4	1238.1	1238.7	1239.3	1238.7	1238.1	1237.4
165°	1261.9	1261.9	1261.9	1262.3	1262.9	1263.6	1264.4	1265.1	1264.4	1263.6	1262.9
167.5°	1281.8	1281.7	1281.5	1281.8	1282.8	1283.7	1284.6	1285.6	1284.6	1283.7	1282.8
170°	1293.0	1293.0	1293.0	1293.4	1294.4	1295.3	1296.2	1297.2	1296.2	1295.3	1294.4
172.5°	1302.2	1302.2	1302.2	1302.6	1303.5	1304.4	1305.4	1306.3	1305.4	1304.4	1303.5
175°	1311.6	1311.6	1311.6	1312.2	1313.0	1313.9	1314.9	1315.8	1314.9	1313.9	1313.0
177.5°	1316.4	1316.4	1316.4	1316.8	1317.5	1318.3	1319.0	1319.7	1319.0	1318.3	1317.5
180°	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9



TEST NUMBER: P332265-940

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3
2.5°	477.0	474.8	473.3	470.0	467.9	465.6	463.2	464.7	464.5	464.4	464.4
5°	461.0	456.2	451.8	446.2	442.7	438.4	435.1	434.6	435.4	432.6	430.9
7.5°	445.1	438.6	432.4	426.2	419.6	414.4	411.2	409.6	407.5	405.7	403.9
10°	434.0	426.3	420.3	412.6	405.6	399.3	395.4	392.6	391.2	389.8	387.0
12.5°	422.5	415.0	407.3	398.6	391.9	384.7	381.7	378.7	375.9	374.3	370.6
15°	405.7	396.0	387.9	378.7	371.2	364.2	360.1	354.0	353.2	351.1	347.3
17.5°	388.9	378.4	367.1	360.3	352.0	344.6	338.2	336.3	330.3	328.1	324.8
20°	375.6	365.9	357.3	348.4	336.2	329.3	324.3	321.6	316.8	313.9	311.8
22.5°	364.2	354.2	344.4	333.9	323.9	316.1	312.5	308.3	305.7	301.6	299.3
25°	347.8	337.0	325.1	313.9	306.7	300.9	295.0	291.2	287.5	285.6	281.5
27.5°	328.8	317.4	306.4	297.8	288.9	283.2	277.9	274.6	270.1	267.0	264.7
30°	318.3	305.0	295.4	287.8	276.3	270.9	267.0	262.8	259.5	256.2	253.9
32.5°	306.1	294.0	285.0	275.4	266.7	260.7	255.7	252.0	249.1	246.0	243.7
35°	287.1	277.0	267.6	258.1	251.6	245.6	239.5	236.4	233.7	230.8	228.7
37.5°	269.9	260.4	251.5	242.5	234.4	229.5	224.7	222.3	218.6	216.7	214.6
40°	259.3	249.9	240.4	231.7	223.4	219.6	215.3	211.7	208.4	206.9	204.6
42.5°	247.6	238.3	230.2	220.9	214.0	208.9	204.9	201.1	198.6	196.4	195.2
45°	230.4	222.1	214.2	204.8	198.4	194.0	189.5	185.9	183.7	182.2	179.9
47.5°	213.7	205.4	197.3	189.2	183.0	178.0	173.3	170.9	167.9	166.1	164.6
50°	201.5	194.0	185.6	178.1	171.8	166.8	163.1	160.0	157.3	155.0	153.9
52.5°	190.4	182.4	175.0	168.1	161.5	155.9	152.5	149.2	147.1	144.5	143.3
55°	172.0	164.3	158.1	151.2	144.8	140.0	135.9	133.0	130.9	128.0	126.4
57.5°	154.8	147.8	140.4	134.5	127.9	123.9	120.4	116.5	113.9	111.6	109.9
60°	143.1	135.3	128.8	123.2	117.3	112.2	109.1	105.9	103.3	100.9	99.5
62.5°	131.0	124.1	118.0	111.9	106.6	102.0	98.4	95.9	93.5	92.0	90.5
65°	112.4	107.0	100.8	95.8	90.8	87.5	84.5	82.3	80.6	79.5	78.3
67.5°	95.2	90.1	84.6	79.7	76.3	73.8	72.0	70.0	69.1	67.8	67.0
70°	84.2	78.7	73.9	70.2	66.9	65.0	63.8	62.3	61.5	59.8	59.0
72.5°	72.1	68.1	64.6	61.6	58.9	57.2	55.6	53.9	52.5	50.6	49.8
75°	56.7	53.1	50.5	48.4	46.7	44.5	42.2	40.3	39.7	39.1	38.9
77.5°	42.0	39.8	37.8	36.0	34.0	32.4	31.8	31.4	31.3	30.9	30.9
80°	33.0	30.9	29.5	27.5	26.2	26.2	26.2	25.8	25.9	25.9	25.9
82.5°	24.5	22.6	21.8	21.1	20.9	21.0	21.0	21.1	21.0	21.3	21.1
85°	12.7	12.8	13.3	13.1	13.3	13.3	13.7	13.5	13.7	13.3	13.7
87.5°	6.7	7.8	8.5	9.3	10.0	10.4	10.8	11.0	11.3	11.5	11.7
90°	10.3	12.9	15.9	18.9	21.8	24.9	25.8	26.8	27.6	28.5	29.2
92.5°	31.3	33.0	34.7	36.4	38.1	39.8	40.5	41.3	42.0	42.7	43.0
95°	67.6	69.3	71.2	72.9	74.8	76.7	77.6	78.5	79.5	80.3	80.8
97.5°	113.3	114.7	116.0	117.3	118.6	119.9	121.0	122.1	123.1	124.2	124.7
100°	146.4	147.7	148.8	150.0	151.1	152.3	153.0	153.6	154.4	155.1	155.6
102.5°	181.6	182.7	184.2	185.7	187.3	188.8	189.5	190.1	190.8	191.5	191.8
105°	235.0	236.2	238.3	240.4	242.5	244.5	244.5	244.5	244.5	244.5	244.8
107.5°	298.0	298.6	299.4	300.2	301.0	301.9	302.6	303.4	304.2	304.9	305.1
110°	338.6	339.0	339.5	339.9	340.4	340.9	341.8	342.7	343.7	344.6	344.7



TEST NUMBER: P332265-940

CATALOG NUMBER: S123RDIP-S340D1195U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	379.2	379.4	379.5	379.6	379.7	379.8	380.9	382.0	383.2	384.2	384.8
115°	443.1	443.2	442.7	442.3	441.8	441.4	441.6	441.8	442.0	442.3	442.3
117.5°	504.7	504.7	504.1	503.5	502.9	502.3	502.2	502.2	502.1	502.1	501.8
120°	547.4	547.5	546.4	545.2	544.0	542.9	542.7	542.4	542.2	542.0	541.6
122.5°	586.6	586.7	586.1	585.5	585.0	584.3	583.7	583.2	582.6	581.9	581.3
125°	647.2	647.3	646.8	646.4	646.0	645.5	644.5	643.6	642.7	641.8	640.9
127.5°	707.5	708.0	707.5	706.9	706.5	706.0	704.7	703.4	702.1	700.8	699.6
130°	747.1	747.7	747.0	746.3	745.6	744.9	744.0	743.1	742.2	741.3	739.9
132.5°	785.2	786.0	785.4	784.9	784.3	783.9	782.7	781.7	780.6	779.4	778.3
135°	841.6	842.2	842.0	841.8	841.5	841.2	840.3	839.5	838.5	837.6	836.9
137.5°	894.6	895.5	896.1	896.6	897.2	897.9	896.9	895.9	894.9	893.9	893.0
140°	931.8	932.6	932.8	933.0	933.3	933.5	933.3	933.0	932.8	932.6	931.7
142.5°	965.9	966.6	967.1	967.5	967.9	968.3	968.0	967.9	967.6	967.4	966.6
145°	1016.1	1016.7	1017.4	1018.1	1018.8	1019.5	1019.2	1019.0	1018.8	1018.6	1018.0
147.5°	1064.1	1064.8	1065.4	1066.0	1066.7	1067.4	1067.4	1067.4	1067.4	1067.4	1066.7
150°	1094.9	1095.4	1095.8	1096.3	1096.7	1097.2	1097.2	1097.2	1097.2	1097.2	1096.5
152.5°	1122.1	1122.6	1122.8	1123.2	1123.5	1123.7	1124.1	1124.4	1124.8	1125.2	1124.8
155°	1161.5	1161.5	1161.8	1162.0	1162.3	1162.4	1163.4	1164.3	1165.2	1166.2	1165.8
157.5°	1196.0	1195.9	1196.1	1196.3	1196.5	1196.7	1197.7	1198.5	1199.5	1200.5	1200.3
160°	1217.6	1217.4	1217.4	1217.4	1217.4	1217.4	1218.5	1219.7	1220.8	1222.0	1222.1
162.5°	1236.8	1236.5	1236.7	1236.9	1237.1	1237.2	1238.4	1239.6	1240.7	1241.9	1241.7
165°	1262.3	1261.9	1261.9	1261.9	1261.9	1261.9	1263.3	1264.7	1266.1	1267.5	1267.3
167.5°	1281.8	1281.5	1281.7	1281.8	1282.0	1282.2	1283.6	1285.0	1286.5	1287.9	1287.9
170°	1293.4	1293.0	1293.0	1293.0	1293.0	1293.0	1294.6	1296.2	1297.9	1299.5	1299.5
172.5°	1302.6	1302.2	1302.2	1302.2	1302.2	1302.2	1303.6	1305.0	1306.4	1307.9	1307.8
175°	1312.2	1311.6	1311.6	1311.6	1311.6	1311.6	1313.0	1314.4	1315.8	1317.1	1317.1
177.5°	1316.8	1316.4	1316.4	1316.4	1316.4	1316.4	1317.5	1318.7	1319.7	1320.8	1320.7
180°	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9



TEST NUMBER: P332265-940

CATALOG NUMBER: S123RDIP-S340D1195U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3
2.5°	462.4	462.2	462.4	461.7	462.4	462.2	462.4	464.4	464.4	464.5	464.7
5°	430.3	430.1	429.4	427.6	429.4	430.1	430.3	430.9	432.6	435.4	434.6
7.5°	402.2	401.9	400.1	400.1	400.1	401.9	402.2	403.9	405.7	407.5	409.6
10°	385.6	385.8	383.3	381.8	383.3	385.8	385.6	387.0	389.8	391.2	392.6
12.5°	369.4	368.5	366.5	364.9	366.5	368.5	369.4	370.6	374.3	375.9	378.7
15°	348.2	346.1	341.2	341.5	341.2	346.1	348.2	347.3	351.1	353.2	354.0
17.5°	323.2	321.6	321.6	318.6	321.6	321.6	323.2	324.8	328.1	330.3	336.3
20°	308.5	307.5	307.9	305.0	307.9	307.5	308.5	311.8	313.9	316.8	321.6
22.5°	297.0	296.0	294.3	293.4	294.3	296.0	297.0	299.3	301.6	305.7	308.3
25°	280.3	278.6	277.0	277.9	277.0	278.6	280.3	281.5	285.6	287.5	291.2
27.5°	263.5	262.3	260.6	260.4	260.6	262.3	263.5	264.7	267.0	270.1	274.6
30°	252.8	251.6	250.7	249.7	250.7	251.6	252.8	253.9	256.2	259.5	262.8
32.5°	242.0	241.7	240.3	240.0	240.3	241.7	242.0	243.7	246.0	249.1	252.0
35°	227.9	226.7	226.2	226.4	226.2	226.7	227.9	228.7	230.8	233.7	236.4
37.5°	214.5	212.9	212.0	211.3	212.0	212.9	214.5	214.6	216.7	218.6	222.3
40°	204.8	203.2	202.8	202.3	202.8	203.2	204.8	204.6	206.9	208.4	211.7
42.5°	194.0	193.4	193.1	192.3	193.1	193.4	194.0	195.2	196.4	198.6	201.1
45°	179.3	179.1	177.8	178.3	177.8	179.1	179.3	179.9	182.2	183.7	185.9
47.5°	163.7	162.8	161.9	162.6	161.9	162.8	163.7	164.6	166.1	167.9	170.9
50°	153.1	152.7	150.8	151.2	150.8	152.7	153.1	153.9	155.0	157.3	160.0
52.5°	142.5	140.9	140.2	139.9	140.2	140.9	142.5	143.3	144.5	147.1	149.2
55°	124.8	123.0	122.2	121.7	122.2	123.0	124.8	126.4	128.0	130.9	133.0
57.5°	107.5	107.1	106.4	106.8	106.4	107.1	107.5	109.9	111.6	113.9	116.5
60°	97.5	97.5	97.5	97.2	97.5	97.5	97.5	99.5	100.9	103.3	105.9
62.5°	89.6	89.1	89.0	89.3	89.0	89.1	89.6	90.5	92.0	93.5	95.9
65°	77.7	77.5	76.7	76.4	76.7	77.5	77.7	78.3	79.5	80.6	82.3
67.5°	66.4	65.7	65.5	65.2	65.5	65.7	66.4	67.0	67.8	69.1	70.0
70°	58.0	57.5	56.3	56.5	56.3	57.5	58.0	59.0	59.8	61.5	62.3
72.5°	48.9	48.4	48.2	47.9	48.2	48.4	48.9	49.8	50.6	52.5	53.9
75°	38.6	38.4	38.3	39.1	38.3	38.4	38.6	38.9	39.1	39.7	40.3
77.5°	30.9	30.9	31.1	30.8	31.1	30.9	30.9	30.9	30.9	31.3	31.4
80°	25.9	25.9	25.8	25.8	25.8	25.9	25.9	25.9	25.9	25.9	25.8
82.5°	20.8	21.0	21.1	20.8	21.1	21.0	20.8	21.1	21.3	21.0	21.1
85°	13.7	13.5	13.9	13.7	13.9	13.5	13.7	13.7	13.3	13.7	13.5
87.5°	12.1	11.9	11.9	12.2	11.9	11.9	12.1	11.7	11.5	11.3	11.0
90°	29.7	30.1	30.6	31.1	30.6	30.1	29.7	29.2	28.5	27.6	26.8
92.5°	42.7	42.4	42.1	41.8	42.1	42.4	42.7	43.0	42.7	42.0	41.3
95°	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.3	79.5	78.5
97.5°	124.6	124.5	124.4	124.3	124.4	124.5	124.6	124.7	124.2	123.1	122.1
100°	156.1	156.6	157.0	157.5	157.0	156.6	156.1	155.6	155.1	154.4	153.6
102.5°	191.7	191.6	191.5	191.5	191.5	191.6	191.7	191.8	191.5	190.8	190.1
105°	245.2	245.7	246.1	246.6	246.1	245.7	245.2	244.8	244.5	244.5	244.5
107.5°	304.8	304.5	304.3	304.0	304.3	304.5	304.8	305.1	304.9	304.2	303.4
110°	344.3	343.8	343.4	343.0	343.4	343.8	344.3	344.7	344.6	343.7	342.7



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	384.7	384.6	384.5	384.4	384.5	384.6	384.7	384.8	384.2	383.2	382.0
115°	442.0	441.8	441.6	441.4	441.6	441.8	442.0	442.3	442.3	442.0	441.8
117.5°	501.1	500.4	499.8	499.2	499.8	500.4	501.1	501.8	502.1	502.1	502.2
120°	541.2	540.7	540.3	539.8	540.3	540.7	541.2	541.6	542.0	542.2	542.4
122.5°	580.7	580.1	579.3	578.7	579.3	580.1	580.7	581.3	581.9	582.6	583.2
125°	640.0	639.0	638.1	637.2	638.1	639.0	640.0	640.9	641.8	642.7	643.6
127.5°	698.6	697.5	696.4	695.4	696.4	697.5	698.6	699.6	700.8	702.1	703.4
130°	738.3	736.7	735.1	733.5	735.1	736.7	738.3	739.9	741.3	742.2	743.1
132.5°	777.0	775.8	774.5	773.3	774.5	775.8	777.0	778.3	779.4	780.6	781.7
135°	836.4	836.0	835.5	835.1	835.5	836.0	836.4	836.9	837.6	838.5	839.5
137.5°	892.2	891.4	890.5	889.6	890.5	891.4	892.2	893.0	893.9	894.9	895.9
140°	930.1	928.4	926.8	925.2	926.8	928.4	930.1	931.7	932.6	932.8	933.0
142.5°	965.4	964.1	963.0	961.7	963.0	964.1	965.4	966.6	967.4	967.6	967.9
145°	1017.1	1016.1	1015.2	1014.3	1015.2	1016.1	1017.1	1018.0	1018.6	1018.8	1019.0
147.5°	1065.2	1063.9	1062.5	1061.1	1062.5	1063.9	1065.2	1066.7	1067.4	1067.4	1067.4
150°	1095.1	1093.8	1092.3	1091.0	1092.3	1093.8	1095.1	1096.5	1097.2	1097.2	1097.2
152.5°	1123.6	1122.4	1121.1	1120.0	1121.1	1122.4	1123.6	1124.8	1125.2	1124.8	1124.4
155°	1164.2	1162.6	1161.0	1159.3	1161.0	1162.6	1164.2	1165.8	1166.2	1165.2	1164.3
157.5°	1199.1	1197.7	1196.5	1195.2	1196.5	1197.7	1199.1	1200.3	1200.5	1199.5	1198.5
160°	1221.2	1220.2	1219.3	1218.4	1219.3	1220.2	1221.2	1222.1	1222.0	1220.8	1219.7
162.5°	1240.2	1238.8	1237.2	1235.8	1237.2	1238.8	1240.2	1241.7	1241.9	1240.7	1239.6
165°	1265.7	1264.1	1262.5	1260.9	1262.5	1264.1	1265.7	1267.3	1267.5	1266.1	1264.7
167.5°	1286.5	1285.0	1283.6	1282.2	1283.6	1285.0	1286.5	1287.9	1287.9	1286.5	1285.0
170°	1297.9	1296.2	1294.6	1293.0	1294.6	1296.2	1297.9	1299.5	1299.5	1297.9	1296.2
172.5°	1306.1	1304.5	1302.9	1301.3	1302.9	1304.5	1306.1	1307.8	1307.9	1306.4	1305.0
175°	1315.5	1313.8	1312.2	1310.6	1312.2	1313.8	1315.5	1317.1	1317.1	1315.8	1314.4
177.5°	1319.5	1318.1	1316.9	1315.6	1316.9	1318.1	1319.5	1320.7	1320.8	1319.7	1318.7
180°	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3
2.5°	463.2	465.6	467.9	470.0	473.3	474.8	477.0	477.9	480.3	483.9	487.0
5°	435.1	438.4	442.7	446.2	451.8	456.2	461.0	465.6	471.0	478.7	485.5
7.5°	411.2	414.4	419.6	426.2	432.4	438.6	445.1	451.4	459.1	470.1	481.0
10°	395.4	399.3	405.6	412.6	420.3	426.3	434.0	441.8	451.5	464.1	477.2
12.5°	381.7	384.7	391.9	398.6	407.3	415.0	422.5	431.8	442.6	456.1	471.9
15°	360.1	364.2	371.2	378.7	387.9	396.0	405.7	417.0	427.6	444.2	463.2
17.5°	338.2	344.6	352.0	360.3	367.1	378.4	388.9	400.4	413.5	431.1	452.1
20°	324.3	329.3	336.2	348.4	357.3	365.9	375.6	389.9	402.0	422.0	443.7
22.5°	312.5	316.1	323.9	333.9	344.4	354.2	364.2	377.8	392.7	411.6	435.2
25°	295.0	300.9	306.7	313.9	325.1	337.0	347.8	359.4	375.2	395.4	420.9
27.5°	277.9	283.2	288.9	297.8	306.4	317.4	328.8	342.1	359.0	380.3	406.3
30°	267.0	270.9	276.3	287.8	295.4	305.0	318.3	330.1	345.9	368.5	396.0
32.5°	255.7	260.7	266.7	275.4	285.0	294.0	306.1	319.0	335.1	357.4	385.5
35°	239.5	245.6	251.6	258.1	267.6	277.0	287.1	301.2	317.6	339.3	366.8
37.5°	224.7	229.5	234.4	242.5	251.5	260.4	269.9	283.8	299.3	322.6	347.9
40°	215.3	219.6	223.4	231.7	240.4	249.9	259.3	271.5	288.1	310.0	334.5
42.5°	204.9	208.9	214.0	220.9	230.2	238.3	247.6	259.2	274.8	297.0	318.5
45°	189.5	194.0	198.4	204.8	214.2	222.1	230.4	241.4	257.4	275.7	294.8
47.5°	173.3	178.0	183.0	189.2	197.3	205.4	213.7	223.4	238.0	255.9	268.9
50°	163.1	166.8	171.8	178.1	185.6	194.0	201.5	212.1	226.0	240.1	251.4
52.5°	152.5	155.9	161.5	168.1	175.0	182.4	190.4	199.5	212.0	225.3	234.3
55°	135.9	140.0	144.8	151.2	158.1	164.3	172.0	181.4	191.4	201.3	207.3
57.5°	120.4	123.9	127.9	134.5	140.4	147.8	154.8	162.0	171.3	178.8	182.7
60°	109.1	112.2	117.3	123.2	128.8	135.3	143.1	150.4	157.5	163.5	166.6
62.5°	98.4	102.0	106.6	111.9	118.0	124.1	131.0	137.1	143.4	148.6	150.7
65°	84.5	87.5	90.8	95.8	100.8	107.0	112.4	118.6	123.2	126.1	128.0
67.5°	72.0	73.8	76.3	79.7	84.6	90.1	95.2	100.1	104.0	105.9	107.6
70°	63.8	65.0	66.9	70.2	73.9	78.7	84.2	87.7	91.0	92.6	94.3
72.5°	55.6	57.2	58.9	61.6	64.6	68.1	72.1	76.3	78.2	80.2	81.1
75°	42.2	44.5	46.7	48.4	50.5	53.1	56.7	59.4	60.5	62.2	62.3
77.5°	31.8	32.4	34.0	36.0	37.8	39.8	42.0	44.4	44.9	45.7	46.4
80°	26.2	26.2	26.2	27.5	29.5	30.9	33.0	34.2	35.1	35.3	35.5
82.5°	21.0	21.0	20.9	21.1	21.8	22.6	24.5	25.9	26.7	26.5	26.0
85°	13.7	13.3	13.3	13.1	13.3	12.8	12.7	13.5	14.7	14.7	14.4
87.5°	10.8	10.4	10.0	9.3	8.5	7.8	6.7	6.4	6.0	6.2	5.5
90°	25.8	24.9	21.8	18.9	15.9	12.9	10.3	7.9	5.6	3.3	1.1
92.5°	40.5	39.8	38.1	36.4	34.7	33.0	31.3	29.8	28.2	26.7	25.1
95°	77.6	76.7	74.8	72.9	71.2	69.3	67.6	66.0	64.4	62.8	61.2
97.5°	121.0	119.9	118.6	117.3	116.0	114.7	113.3	112.2	111.0	109.8	108.6
100°	153.0	152.3	151.1	150.0	148.8	147.7	146.4	145.1	143.7	142.3	140.9
102.5°	189.5	188.8	187.3	185.7	184.2	182.7	181.6	180.7	179.9	179.1	178.2
105°	244.5	244.5	242.5	240.4	238.3	236.2	235.0	234.5	234.1	233.5	233.1
107.5°	302.6	301.9	301.0	300.2	299.4	298.6	298.0	297.7	297.5	297.2	296.9
110°	341.8	340.9	340.4	339.9	339.5	339.0	338.6	338.1	337.6	337.2	336.7



TEST NUMBER: P332265-940

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	380.9	379.8	379.7	379.6	379.5	379.4	379.2	379.0	378.7	378.4	378.2
115°	441.6	441.4	441.8	442.3	442.7	443.2	443.1	442.4	441.7	441.0	440.3
117.5°	502.2	502.3	502.9	503.5	504.1	504.7	504.7	504.3	503.8	503.4	502.9
120°	542.7	542.9	544.0	545.2	546.4	547.5	547.4	546.0	544.7	543.2	541.9
122.5°	583.7	584.3	585.0	585.5	586.1	586.7	586.6	585.5	584.5	583.4	582.5
125°	644.5	645.5	646.0	646.4	646.8	647.3	647.2	646.5	645.8	645.2	644.4
127.5°	704.7	706.0	706.5	706.9	707.5	708.0	707.5	706.1	704.5	703.1	701.6
130°	744.0	744.9	745.6	746.3	747.0	747.7	747.1	745.3	743.4	741.5	739.8
132.5°	782.7	783.9	784.3	784.9	785.4	786.0	785.2	783.4	781.6	779.7	777.8
135°	840.3	841.2	841.5	841.8	842.0	842.2	841.6	840.3	838.8	837.5	836.1
137.5°	896.9	897.9	897.2	896.6	896.1	895.5	894.6	893.4	892.2	891.1	890.0
140°	933.3	933.5	933.3	933.0	932.8	932.6	931.8	930.8	929.6	928.4	927.3
142.5°	968.0	968.3	967.9	967.5	967.1	966.6	965.9	964.7	963.6	962.4	961.3
145°	1019.2	1019.5	1018.8	1018.1	1017.4	1016.7	1016.1	1015.7	1015.2	1014.8	1014.3
147.5°	1067.4	1067.4	1066.7	1066.0	1065.4	1064.8	1064.1	1063.2	1062.4	1061.6	1060.7
150°	1097.2	1097.2	1096.7	1096.3	1095.8	1095.4	1094.9	1094.4	1094.0	1093.5	1093.1
152.5°	1124.1	1123.7	1123.5	1123.2	1122.8	1122.6	1122.1	1121.5	1120.9	1120.3	1119.5
155°	1163.4	1162.4	1162.3	1162.0	1161.8	1161.5	1161.5	1161.5	1161.5	1161.5	1161.5
157.5°	1197.7	1196.7	1196.5	1196.3	1196.1	1195.9	1196.0	1196.2	1196.5	1196.8	1197.0
160°	1218.5	1217.4	1217.4	1217.4	1217.4	1217.4	1217.6	1218.1	1218.5	1219.0	1219.4
162.5°	1238.4	1237.2	1237.1	1236.9	1236.7	1236.5	1236.8	1237.4	1238.1	1238.7	1239.3
165°	1263.3	1261.9	1261.9	1261.9	1261.9	1261.9	1262.3	1262.9	1263.6	1264.4	1265.1
167.5°	1283.6	1282.2	1282.0	1281.8	1281.7	1281.5	1281.8	1282.8	1283.7	1284.6	1285.6
170°	1294.6	1293.0	1293.0	1293.0	1293.0	1293.0	1293.4	1294.4	1295.3	1296.2	1297.2
172.5°	1303.6	1302.2	1302.2	1302.2	1302.2	1302.2	1302.6	1303.5	1304.4	1305.4	1306.3
175°	1313.0	1311.6	1311.6	1311.6	1311.6	1311.6	1312.2	1313.0	1313.9	1314.9	1315.8
177.5°	1317.5	1316.4	1316.4	1316.4	1316.4	1316.4	1316.8	1317.5	1318.3	1319.0	1319.7
180°	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9



TEST NUMBER: P332265-940

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3
2.5°	487.9	489.8	492.1	495.6	498.3	500.6	501.1	501.8	503.5	506.2	508.4
5°	491.2	495.9	503.5	511.0	519.2	525.8	532.1	536.5	540.6	549.3	556.3
7.5°	490.1	500.8	512.8	526.2	539.8	552.9	565.2	576.1	587.0	599.8	614.2
10°	489.5	501.9	518.2	535.4	554.3	572.7	590.7	604.6	620.7	635.3	653.8
12.5°	486.3	504.3	523.6	545.6	568.9	590.2	613.8	632.9	651.5	672.5	694.0
15°	482.1	504.0	528.5	557.8	593.2	618.8	643.0	676.5	699.3	722.1	752.9
17.5°	474.7	501.3	531.9	570.0	599.4	634.1	670.3	696.8	727.5	759.7	787.6
20°	468.7	499.6	534.0	571.3	608.9	646.5	681.6	713.2	745.0	782.2	805.0
22.5°	462.7	493.3	529.0	568.6	609.0	648.7	688.4	725.5	761.3	798.8	828.0
25°	450.0	486.3	525.0	565.5	605.4	649.0	696.3	737.7	781.9	820.6	848.3
27.5°	437.1	470.5	508.9	550.0	594.3	645.9	701.6	748.6	792.9	820.6	829.3
30°	425.4	460.7	496.1	537.9	585.9	643.4	702.6	756.4	792.7	804.9	795.9
32.5°	413.7	445.7	480.6	523.4	574.4	637.2	703.9	751.8	773.6	764.5	728.1
35°	392.9	421.7	455.6	498.4	557.0	633.8	698.5	730.8	725.5	673.5	604.9
37.5°	370.6	394.1	425.4	470.2	539.0	620.4	674.8	679.7	632.8	553.1	473.9
40°	352.9	374.2	406.4	453.1	525.0	607.1	651.1	631.8	559.3	470.6	404.5
42.5°	335.8	353.7	384.8	435.2	511.7	588.9	615.7	573.6	490.0	406.1	346.0
45°	306.8	323.7	354.8	406.5	484.5	554.3	550.7	477.6	393.9	326.4	276.5
47.5°	279.4	294.1	323.3	376.1	452.5	502.3	469.3	391.5	320.5	266.3	230.7
50°	259.9	274.5	303.5	355.7	427.0	463.2	416.2	341.2	276.1	231.2	203.0
52.5°	241.3	255.5	282.0	332.9	396.0	417.8	367.1	297.6	243.3	204.6	180.4
55°	215.3	226.0	249.9	298.5	345.7	350.7	299.3	241.2	196.5	169.5	152.9
57.5°	188.7	198.0	221.6	260.3	293.4	290.8	242.2	191.8	161.8	141.7	129.7
60°	171.4	180.6	201.3	234.5	259.5	250.7	206.1	165.6	139.8	125.1	115.5
62.5°	155.2	162.4	181.9	206.2	224.1	214.2	176.2	142.7	122.2	109.8	102.2
65°	131.9	137.8	153.3	166.0	175.9	166.4	134.8	111.6	96.8	88.1	82.9
67.5°	109.8	113.4	123.2	127.9	134.9	124.4	101.4	85.8	77.4	70.1	66.4
70°	95.8	98.4	103.7	107.5	109.2	98.4	81.4	70.0	63.0	57.8	55.5
72.5°	81.8	84.2	85.2	88.3	87.3	77.2	65.5	56.4	51.3	47.8	44.9
75°	62.5	63.6	62.5	61.3	58.6	51.5	43.4	38.9	35.1	33.4	32.4
77.5°	45.6	45.2	43.9	41.9	37.3	32.8	28.4	26.9	25.3	24.4	24.1
80°	35.1	34.2	33.0	29.9	25.9	22.8	21.8	20.8	20.2	19.1	18.9
82.5°	26.1	25.6	23.5	21.0	18.2	16.7	15.9	15.4	14.8	14.3	14.3
85°	13.9	13.3	11.0	9.5	9.2	8.7	8.6	8.6	7.7	7.5	7.5
87.5°	5.2	4.6	4.9	4.9	5.4	5.7	6.4	6.7	7.1	7.5	7.3
90°	3.3	5.6	7.9	10.3	12.9	15.9	18.9	21.8	24.9	25.8	26.8
92.5°	26.7	28.2	29.8	31.3	33.0	34.7	36.4	38.1	39.8	40.5	41.3
95°	62.8	64.4	66.0	67.6	69.3	71.2	72.9	74.8	76.7	77.6	78.5
97.5°	109.8	111.0	112.2	113.3	114.7	116.0	117.3	118.6	119.9	121.0	122.1
100°	142.3	143.7	145.1	146.4	147.7	148.8	150.0	151.1	152.3	153.0	153.6
102.5°	179.1	179.9	180.7	181.6	182.7	184.2	185.7	187.3	188.8	189.5	190.1
105°	233.5	234.1	234.5	235.0	236.2	238.3	240.4	242.5	244.5	244.5	244.5
107.5°	297.2	297.5	297.7	298.0	298.6	299.4	300.2	301.0	301.9	302.6	303.4
110°	337.2	337.6	338.1	338.6	339.0	339.5	339.9	340.4	340.9	341.8	342.7





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	378.4	378.7	379.0	379.2	379.4	379.5	379.6	379.7	379.8	380.9	382.0
115°	441.0	441.7	442.4	443.1	443.2	442.7	442.3	441.8	441.4	441.6	441.8
117.5°	503.4	503.8	504.3	504.7	504.7	504.1	503.5	502.9	502.3	502.2	502.2
120°	543.2	544.7	546.0	547.4	547.5	546.4	545.2	544.0	542.9	542.7	542.4
122.5°	583.4	584.5	585.5	586.6	586.7	586.1	585.5	585.0	584.3	583.7	583.2
125°	645.2	645.8	646.5	647.2	647.3	646.8	646.4	646.0	645.5	644.5	643.6
127.5°	703.1	704.5	706.1	707.5	708.0	707.5	706.9	706.5	706.0	704.7	703.4
130°	741.5	743.4	745.3	747.1	747.7	747.0	746.3	745.6	744.9	744.0	743.1
132.5°	779.7	781.6	783.4	785.2	786.0	785.4	784.9	784.3	783.9	782.7	781.7
135°	837.5	838.8	840.3	841.6	842.2	842.0	841.8	841.5	841.2	840.3	839.5
137.5°	891.1	892.2	893.4	894.6	895.5	896.1	896.6	897.2	897.9	896.9	895.9
140°	928.4	929.6	930.8	931.8	932.6	932.8	933.0	933.3	933.5	933.3	933.0
142.5°	962.4	963.6	964.7	965.9	966.6	967.1	967.5	967.9	968.3	968.0	967.9
145°	1014.8	1015.2	1015.7	1016.1	1016.7	1017.4	1018.1	1018.8	1019.5	1019.2	1019.0
147.5°	1061.6	1062.4	1063.2	1064.1	1064.8	1065.4	1066.0	1066.7	1067.4	1067.4	1067.4
150°	1093.5	1094.0	1094.4	1094.9	1095.4	1095.8	1096.3	1096.7	1097.2	1097.2	1097.2
152.5°	1120.3	1120.9	1121.5	1122.1	1122.6	1122.8	1123.2	1123.5	1123.7	1124.1	1124.4
155°	1161.5	1161.5	1161.5	1161.5	1161.5	1161.8	1162.0	1162.3	1162.4	1163.4	1164.3
157.5°	1196.8	1196.5	1196.2	1196.0	1195.9	1196.1	1196.3	1196.5	1196.7	1197.7	1198.5
160°	1219.0	1218.5	1218.1	1217.6	1217.4	1217.4	1217.4	1217.4	1217.4	1218.5	1219.7
162.5°	1238.7	1238.1	1237.4	1236.8	1236.5	1236.7	1236.9	1237.1	1237.2	1238.4	1239.6
165°	1264.4	1263.6	1262.9	1262.3	1261.9	1261.9	1261.9	1261.9	1261.9	1263.3	1264.7
167.5°	1284.6	1283.7	1282.8	1281.8	1281.5	1281.7	1281.8	1282.0	1282.2	1283.6	1285.0
170°	1296.2	1295.3	1294.4	1293.4	1293.0	1293.0	1293.0	1293.0	1293.0	1294.6	1296.2
172.5°	1305.4	1304.4	1303.5	1302.6	1302.2	1302.2	1302.2	1302.2	1302.2	1303.6	1305.0
175°	1314.9	1313.9	1313.0	1312.2	1311.6	1311.6	1311.6	1311.6	1311.6	1313.0	1314.4
177.5°	1319.0	1318.3	1317.5	1316.8	1316.4	1316.4	1316.4	1316.4	1316.4	1317.5	1318.7
180°	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	485.3	485.3	485.3	485.3	485.3	485.3	485.3
2.5°	511.9	511.9	512.6	515.1	515.4	517.5	516.9
5°	562.6	566.5	568.0	574.3	577.9	579.6	576.3
7.5°	624.6	635.7	641.0	647.6	653.3	655.1	650.5
10°	669.8	681.4	691.2	697.2	702.8	706.6	711.3
12.5°	713.5	727.8	737.1	745.6	751.4	756.1	756.9
15°	761.0	782.6	799.0	811.1	817.1	820.2	818.9
17.5°	808.9	828.9	840.6	852.9	861.2	861.7	861.9
20°	836.0	855.5	869.1	878.2	887.5	887.1	889.2
22.5°	854.1	869.5	879.9	886.4	889.7	888.1	888.5
25°	862.6	867.2	865.3	854.7	851.9	842.2	843.9
27.5°	818.9	797.3	774.9	746.2	723.4	705.3	706.2
30°	759.6	721.3	677.7	641.1	608.3	599.1	579.6
32.5°	676.6	619.3	568.2	534.0	506.0	498.3	481.3
35°	536.0	480.3	427.8	396.2	383.7	366.2	366.0
37.5°	416.6	367.6	339.8	316.1	303.7	293.1	292.1
40°	350.4	312.3	291.2	274.2	262.0	254.0	252.2
42.5°	304.3	273.4	253.7	243.2	233.7	229.6	226.6
45°	248.4	227.7	214.0	204.5	200.1	197.0	195.3
47.5°	207.9	193.9	184.6	178.2	174.7	171.4	172.3
50°	185.7	174.3	167.5	161.4	158.7	156.4	156.7
52.5°	167.9	157.7	152.1	147.8	144.5	142.8	142.0
55°	142.5	136.1	130.5	127.3	125.5	123.2	122.6
57.5°	121.5	116.5	112.0	108.5	108.0	105.8	106.1
60°	107.6	103.4	99.7	97.8	96.4	94.5	95.1
62.5°	96.1	92.6	89.3	87.7	86.2	84.9	85.2
65°	78.7	75.4	73.3	72.5	71.9	71.2	70.6
67.5°	62.8	60.7	59.4	57.6	56.4	56.2	55.6
70°	52.8	50.0	47.8	45.5	44.9	44.7	44.9
72.5°	42.3	40.6	39.9	38.9	38.7	38.2	38.5
75°	31.7	31.1	30.8	29.9	29.9	29.9	29.9
77.5°	23.5	23.1	22.8	22.6	22.5	22.1	22.1
80°	18.3	18.1	17.7	17.7	17.5	17.7	17.5
82.5°	13.8	13.7	13.4	13.4	13.1	13.0	13.1
85°	7.0	6.9	7.3	6.9	7.0	6.7	7.0
87.5°	7.5	7.7	7.7	7.8	7.7	8.1	7.8
90°	27.6	28.5	29.2	29.7	30.1	30.6	31.1
92.5°	42.0	42.7	43.0	42.7	42.4	42.1	41.8
95°	79.5	80.3	80.8	80.8	80.8	80.8	80.8
97.5°	123.1	124.2	124.7	124.6	124.5	124.4	124.3
100°	154.4	155.1	155.6	156.1	156.6	157.0	157.5
102.5°	190.8	191.5	191.8	191.7	191.6	191.5	191.5
105°	244.5	244.5	244.8	245.2	245.7	246.1	246.6
107.5°	304.2	304.9	305.1	304.8	304.5	304.3	304.0
110°	343.7	344.6	344.7	344.3	343.8	343.4	343.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	383.2	384.2	384.8	384.7	384.6	384.5	384.4
115°	442.0	442.3	442.3	442.0	441.8	441.6	441.4
117.5°	502.1	502.1	501.8	501.1	500.4	499.8	499.2
120°	542.2	542.0	541.6	541.2	540.7	540.3	539.8
122.5°	582.6	581.9	581.3	580.7	580.1	579.3	578.7
125°	642.7	641.8	640.9	640.0	639.0	638.1	637.2
127.5°	702.1	700.8	699.6	698.6	697.5	696.4	695.4
130°	742.2	741.3	739.9	738.3	736.7	735.1	733.5
132.5°	780.6	779.4	778.3	777.0	775.8	774.5	773.3
135°	838.5	837.6	836.9	836.4	836.0	835.5	835.1
137.5°	894.9	893.9	893.0	892.2	891.4	890.5	889.6
140°	932.8	932.6	931.7	930.1	928.4	926.8	925.2
142.5°	967.6	967.4	966.6	965.4	964.1	963.0	961.7
145°	1018.8	1018.6	1018.0	1017.1	1016.1	1015.2	1014.3
147.5°	1067.4	1067.4	1066.7	1065.2	1063.9	1062.5	1061.1
150°	1097.2	1097.2	1096.5	1095.1	1093.8	1092.3	1091.0
152.5°	1124.8	1125.2	1124.8	1123.6	1122.4	1121.1	1120.0
155°	1165.2	1166.2	1165.8	1164.2	1162.6	1161.0	1159.3
157.5°	1199.5	1200.5	1200.3	1199.1	1197.7	1196.5	1195.2
160°	1220.8	1222.0	1222.1	1221.2	1220.2	1219.3	1218.4
162.5°	1240.7	1241.9	1241.7	1240.2	1238.8	1237.2	1235.8
165°	1266.1	1267.5	1267.3	1265.7	1264.1	1262.5	1260.9
167.5°	1286.5	1287.9	1287.9	1286.5	1285.0	1283.6	1282.2
170°	1297.9	1299.5	1299.5	1297.9	1296.2	1294.6	1293.0
172.5°	1306.4	1307.9	1307.8	1306.1	1304.5	1302.9	1301.3
175°	1315.8	1317.1	1317.1	1315.5	1313.8	1312.2	1310.6
177.5°	1319.7	1320.8	1320.7	1319.5	1318.1	1316.9	1315.6
180°	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9

(END OF REPORT)