

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P1007821

Luminaire Tested: S125IP-B1270UB35-4F0-XX-W2A-4

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007821
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19)
Test Lab: INNOVATION CENTER
Issue Date: 5/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125IP-B1270UB35-4F0-XX-W2A-4
Description: Define 5 Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

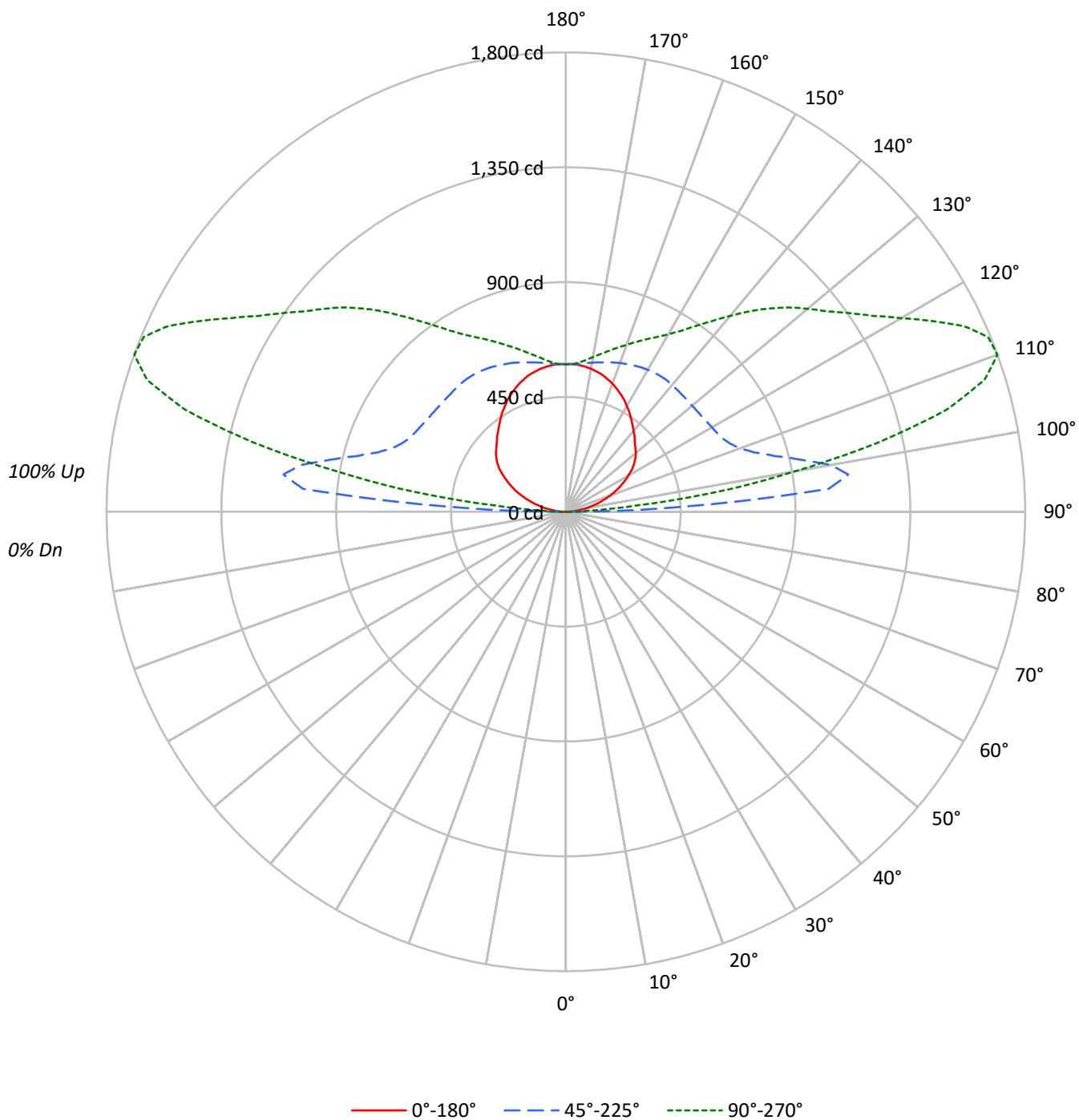
Lumens per Lamp: N/A
Luminaire Lumens: 4347.0 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 35
Input Voltage (V):
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: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	3
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	0	0	0
5°	0	0	0
10°	0	0	0
15°	0	0	0
20°	0	0	0
25°	0	0	0
30°	0	0	0
35°	0	0	0
40°	0	0	0
45°	0	0	0
50°	0	0	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 0°
Luminance: 0 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.0	0.0
10°-20°	0.0	0.0
20°-30°	0.0	0.0
30°-40°	0.0	0.0
40°-50°	0.0	0.0
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	2.3	0.1
90°-100°	420.8	9.7
100°-110°	907.4	20.9
110°-120°	845.9	19.5
120°-130°	685.1	15.8
130°-140°	550.1	12.7
140°-150°	414.9	9.5
150°-160°	292.2	6.7
160°-170°	172.2	4.0
170°-180°	56.0	1.3
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.3	0.1
90°-120°	2174.1	50.0
90°-150°	3824.3	88.0
90°-180°	4345.0	100.0
0°-180°	4347.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	0	0	0	0	0	
5°	0	0	0	0	0	0
15°	0	0	0	0	0	0
25°	0	0	0	0	0	0
35°	0	0	0	0	0	0
45°	0	0	0	0	0	0
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	1	10	19	24	27	3
95°	38	114	1033	469	274	40
105°	132	184	846	1665	1545	139
115°	236	284	679	1463	1721	232
125°	326	383	651	1164	1356	290
135°	382	460	646	976	1127	297
145°	446	510	648	808	889	279
155°	508	547	632	714	745	234
165°	555	570	606	643	653	156
175°	577	577	582	589	587	55
180°	578	578	578	578	578	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	1.2	2.3	4.7	7.0	9.3	11.7	12.8	15.2	16.3	18.7	19.8
92.5°	17.5	21.0	32.7	50.1	74.6	116.6	195.9	328.9	473.5	465.3	375.5
95°	38.5	39.7	49.0	61.8	87.5	139.9	264.7	521.3	843.2	1033.3	1011.1
97.5°	59.5	60.6	67.6	80.5	103.8	142.3	228.6	425.7	773.2	1116.1	1263.0
100°	81.6	84.0	88.6	101.5	123.6	158.6	226.2	377.9	671.7	1053.1	1344.7
102.5°	106.1	107.3	110.8	124.8	144.6	178.4	236.7	358.0	594.8	942.3	1295.7
105°	131.8	131.8	137.6	149.3	167.9	200.6	251.9	355.7	550.5	845.5	1180.2
107.5°	156.3	158.6	164.4	173.8	193.6	222.7	272.9	363.9	527.1	773.2	1070.6
110°	183.1	185.4	190.1	200.6	218.1	248.4	296.2	376.7	517.8	725.4	979.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	209.9	212.3	215.8	226.2	243.7	272.9	318.4	393.0	517.8	697.4	912.0
115°	235.6	237.9	241.4	251.9	269.4	298.6	341.7	409.3	521.3	678.7	866.5
117.5°	258.9	262.4	265.9	276.4	296.2	324.2	365.0	428.0	527.1	668.2	836.2
120°	282.2	285.7	290.4	300.9	320.7	349.9	390.7	446.7	536.5	661.2	811.7
122.5°	306.7	309.0	312.5	323.0	345.2	374.4	415.2	467.7	544.6	655.4	790.7
125°	326.5	328.9	334.7	345.2	367.4	397.7	436.2	486.3	554.0	650.8	772.0
127.5°	342.9	346.4	353.4	366.2	389.5	419.8	457.2	503.8	564.5	648.4	754.5
130°	358.0	361.5	370.9	386.0	410.5	440.8	477.0	521.3	573.8	646.1	737.1
132.5°	369.7	374.4	386.0	403.5	429.2	459.5	495.6	536.5	584.3	646.1	723.1
135°	382.5	387.2	401.2	419.8	444.3	475.8	512.0	550.5	593.6	646.1	712.6
137.5°	398.8	402.3	415.2	433.8	458.3	491.0	523.6	561.0	602.9	647.3	702.1
140°	412.8	416.3	430.3	449.0	471.2	502.6	536.5	571.4	608.8	648.4	695.1
142.5°	429.2	431.5	444.3	463.0	484.0	513.1	544.6	577.3	612.3	649.6	689.2
145°	445.5	447.8	459.5	475.8	496.8	523.6	554.0	583.1	614.6	648.4	683.4
147.5°	463.0	464.2	474.7	489.8	508.5	533.0	559.8	586.6	615.8	646.1	677.6
150°	478.2	480.5	488.6	503.8	520.1	540.0	565.6	590.1	615.8	642.6	670.6
152.5°	494.5	495.6	502.6	515.5	530.6	548.1	571.4	592.4	614.6	637.9	662.4
155°	508.5	508.5	515.5	527.1	538.8	555.1	574.9	593.6	612.3	632.1	653.1
157.5°	521.3	521.3	527.1	537.6	548.1	561.0	578.4	594.8	609.9	626.3	644.9
160°	534.1	533.0	537.6	545.8	555.1	565.6	580.8	594.8	606.4	620.4	634.4
162.5°	544.6	543.5	548.1	555.1	562.1	570.3	583.1	593.6	602.9	613.4	625.1
165°	555.1	552.8	556.3	562.1	566.8	573.8	583.1	592.4	599.4	606.4	615.8
167.5°	562.1	561.0	563.3	566.8	570.3	574.9	583.1	590.1	593.6	599.4	606.4
170°	569.1	568.0	569.1	571.4	573.8	577.3	583.1	587.8	590.1	593.6	598.3
172.5°	573.8	571.4	572.6	574.9	576.1	577.3	581.9	585.4	585.4	586.6	590.1
175°	577.3	574.9	576.1	577.3	577.3	577.3	580.8	583.1	581.9	581.9	583.1
177.5°	579.6	577.3	577.3	578.4	577.3	577.3	579.6	580.8	578.4	578.4	579.6
180°	578.4	578.4	578.4	578.4	578.4	578.4	578.4	578.4	578.4	578.4	578.4

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	21.0	22.2	23.3	25.7	25.7	25.7	26.8	26.8
92.5°	253.1	181.9	135.3	113.1	94.5	91.0	88.6	86.3
95°	838.5	661.2	517.8	419.8	337.0	302.1	292.7	274.1
97.5°	1202.4	1061.3	916.7	776.7	706.7	646.1	614.6	600.6
100°	1434.5	1377.3	1257.2	1135.9	1055.4	971.5	928.3	909.7
102.5°	1512.6	1570.9	1528.9	1456.6	1369.1	1315.5	1267.7	1254.9
105°	1460.1	1619.9	1671.2	1658.4	1621.0	1582.6	1559.2	1545.2
107.5°	1352.8	1563.9	1687.5	1738.8	1749.3	1743.5	1731.8	1720.2
110°	1231.5	1453.1	1617.6	1716.7	1769.2	1791.3	1799.5	1799.5

TEST NUMBER: P1007821

CATALOG NUMBER: S125IP-B1270UB35-4F0-XX-W2A-4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	1135.9	1343.5	1510.3	1631.5	1714.3	1756.3	1779.7	1790.2
115°	1058.9	1239.7	1399.5	1526.6	1617.6	1673.5	1706.2	1721.3
117.5°	1005.3	1165.1	1305.0	1425.1	1517.3	1575.6	1608.2	1617.6
120°	963.3	1103.2	1231.5	1334.2	1420.5	1476.4	1507.9	1517.3
122.5°	931.8	1058.9	1169.7	1264.2	1338.8	1389.0	1420.5	1428.6
125°	901.5	1020.4	1121.9	1205.9	1271.2	1319.0	1344.7	1356.3
127.5°	870.0	983.1	1078.8	1158.1	1217.5	1260.7	1285.2	1289.8
130°	840.8	943.5	1034.4	1110.2	1168.6	1207.0	1230.4	1237.4
132.5°	811.7	906.2	986.6	1058.9	1117.2	1155.7	1176.7	1184.9
135°	787.2	867.7	942.3	1008.8	1060.1	1098.6	1119.6	1126.6
137.5°	765.0	832.7	896.8	955.1	1001.8	1037.9	1057.8	1065.9
140°	747.5	802.4	856.0	905.0	948.1	978.5	996.0	1001.8
142.5°	732.4	776.7	821.0	861.8	896.8	921.3	937.6	942.3
145°	719.6	755.7	791.9	823.4	851.3	871.2	884.0	888.7
147.5°	706.7	737.1	766.2	790.7	814.0	830.4	838.5	840.8
150°	696.2	721.9	744.1	765.0	782.5	796.5	801.2	802.4
152.5°	684.6	706.7	726.6	741.7	755.7	766.2	770.9	772.0
155°	672.9	691.6	707.9	720.7	732.4	740.6	744.1	745.2
157.5°	661.2	677.6	690.4	700.9	710.2	717.2	720.7	720.7
160°	649.6	661.2	672.9	681.1	689.2	695.1	697.4	696.2
162.5°	636.8	647.3	656.6	663.6	669.4	674.1	674.1	674.1
165°	625.1	633.3	640.3	646.1	650.8	653.1	653.1	653.1
167.5°	613.4	619.3	625.1	629.8	632.1	634.4	633.3	633.3
170°	604.1	607.6	611.1	613.4	615.8	616.9	616.9	615.8
172.5°	593.6	597.1	599.4	600.6	600.6	602.9	600.6	599.4
175°	586.6	586.6	588.9	588.9	588.9	590.1	587.8	586.6
177.5°	580.8	581.9	581.9	581.9	580.8	581.9	578.4	578.4
180°	578.4	578.4	578.4	578.4	578.4	578.4	578.4	578.4

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