

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: P1007824

Luminaire Tested: S125IP-B1270UB40-4F0-XX-W2A-4

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007824
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-B1270UB40-4F0-XX-W2A-4
Description: Define 5 Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

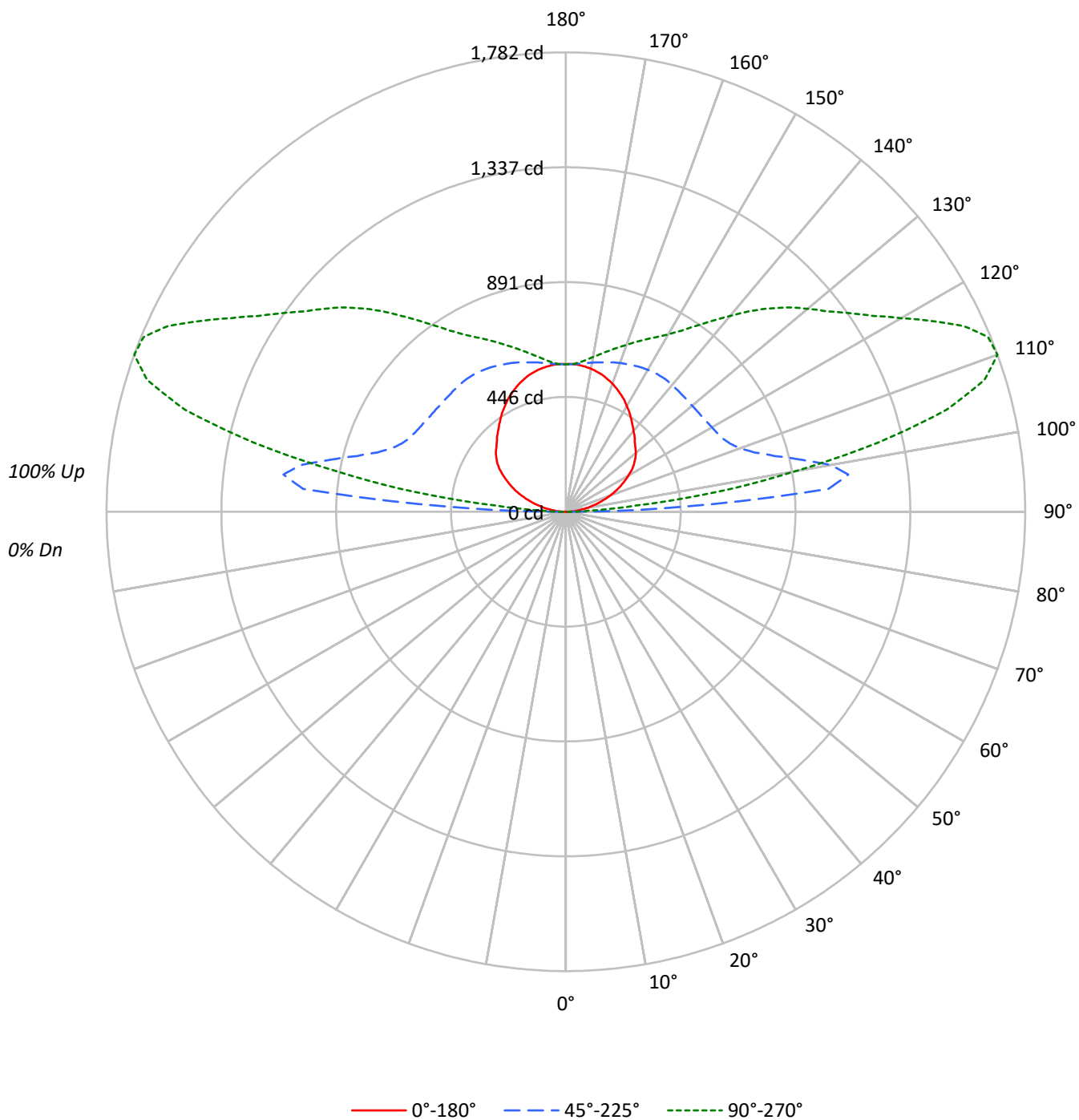
Lumens per Lamp: N/A
Luminaire Lumens: 4304.0 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

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°	416.6	9.7
100°-110°	898.4	20.9
110°-120°	837.6	19.5
120°-130°	678.4	15.8
130°-140°	544.7	12.7
140°-150°	410.8	9.5
150°-160°	289.3	6.7
160°-170°	170.5	4.0
170°-180°	55.4	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°	2152.5	50.0
90°-150°	3786.5	88.0
90°-180°	4302.0	100.0
0°-180°	4304.0	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	18	24	27	3
95°	38	113	1023	464	271	40
105°	130	182	837	1648	1530	137
115°	233	281	672	1449	1704	230
125°	323	379	644	1152	1343	287
135°	379	456	640	966	1115	294
145°	441	505	642	800	880	276
155°	503	542	626	707	738	232
165°	550	565	600	637	647	155
175°	572	572	576	583	581	54
180°	573	573	573	573	573	

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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	4.6	6.9	9.2	11.5	12.7	15.0	16.2	18.5	19.6
92.5°	17.3	20.8	32.3	49.7	73.9	115.5	194.0	325.6	468.8	460.7	371.8
95°	38.1	39.3	48.5	61.2	86.6	138.6	262.1	516.1	834.8	1023.1	1001.1
97.5°	58.9	60.0	67.0	79.7	102.8	140.9	226.3	421.5	765.6	1105.0	1250.5
100°	80.8	83.1	87.8	100.5	122.4	157.0	224.0	374.1	665.1	1042.7	1331.4
102.5°	105.1	106.2	109.7	123.6	143.2	176.7	234.4	354.5	588.9	933.0	1282.9
105°	130.5	130.5	136.3	147.8	166.3	198.6	249.4	352.2	545.0	837.1	1168.5
107.5°	154.7	157.0	162.8	172.0	191.7	220.5	270.2	360.3	521.9	765.6	1060.0
110°	181.3	183.6	188.2	198.6	215.9	245.9	293.3	373.0	512.7	718.2	969.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	207.8	210.2	213.6	224.0	241.3	270.2	315.2	389.1	512.7	690.5	903.0
115°	233.2	235.6	239.0	249.4	266.7	295.6	338.3	405.3	516.1	672.0	857.9
117.5°	256.3	259.8	263.3	273.7	293.3	321.0	361.4	423.8	521.9	661.6	827.9
120°	279.4	282.9	287.5	297.9	317.5	346.4	386.8	442.2	531.2	654.7	803.7
122.5°	303.7	306.0	309.5	319.8	341.8	370.7	411.1	463.0	539.2	648.9	782.9
125°	323.3	325.6	331.4	341.8	363.7	393.7	431.9	481.5	548.5	644.3	764.4
127.5°	339.5	342.9	349.9	362.6	385.7	415.7	452.6	498.8	558.9	642.0	747.1
130°	354.5	358.0	367.2	382.2	406.4	436.5	472.3	516.1	568.1	639.7	729.8
132.5°	366.0	370.7	382.2	399.5	424.9	454.9	490.7	531.2	578.5	639.7	715.9
135°	378.7	383.4	397.2	415.7	439.9	471.1	506.9	545.0	587.7	639.7	705.5
137.5°	394.9	398.4	411.1	429.5	453.8	486.1	518.5	555.4	597.0	640.9	695.1
140°	408.8	412.2	426.1	444.6	466.5	497.7	531.2	565.8	602.7	642.0	688.2
142.5°	424.9	427.2	439.9	458.4	479.2	508.1	539.2	571.6	606.2	643.2	682.4
145°	441.1	443.4	454.9	471.1	491.9	518.5	548.5	577.3	608.5	642.0	676.6
147.5°	458.4	459.6	470.0	485.0	503.4	527.7	554.2	580.8	609.7	639.7	670.9
150°	473.4	475.7	483.8	498.8	515.0	534.6	560.0	584.3	609.7	636.2	663.9
152.5°	489.6	490.7	497.7	510.4	525.4	542.7	565.8	586.6	608.5	631.6	655.9
155°	503.4	503.4	510.4	521.9	533.5	549.6	569.3	587.7	606.2	625.8	646.6
157.5°	516.1	516.1	521.9	532.3	542.7	555.4	572.7	588.9	603.9	620.1	638.5
160°	528.8	527.7	532.3	540.4	549.6	560.0	575.0	588.9	600.4	614.3	628.1
162.5°	539.2	538.1	542.7	549.6	556.6	564.6	577.3	587.7	597.0	607.4	618.9
165°	549.6	547.3	550.8	556.6	561.2	568.1	577.3	586.6	593.5	600.4	609.7
167.5°	556.6	555.4	557.7	561.2	564.6	569.3	577.3	584.3	587.7	593.5	600.4
170°	563.5	562.3	563.5	565.8	568.1	571.6	577.3	582.0	584.3	587.7	592.4
172.5°	568.1	565.8	567.0	569.3	570.4	571.6	576.2	579.7	579.7	580.8	584.3
175°	571.6	569.3	570.4	571.6	571.6	571.6	575.0	577.3	576.2	576.2	577.3
177.5°	573.9	571.6	571.6	572.7	571.6	571.6	573.9	575.0	572.7	572.7	573.9
180°	572.7	572.7	572.7	572.7	572.7	572.7	572.7	572.7	572.7	572.7	572.7

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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°	20.8	21.9	23.1	25.4	25.4	25.4	26.6	26.6
92.5°	250.6	180.1	133.9	112.0	93.5	90.1	87.8	85.4
95°	830.2	654.7	512.7	415.7	333.7	299.1	289.8	271.4
97.5°	1190.5	1050.8	907.6	769.0	699.7	639.7	608.5	594.7
100°	1420.3	1363.7	1244.8	1124.7	1045.0	961.9	919.1	900.7
102.5°	1497.6	1555.4	1513.8	1442.2	1355.6	1302.5	1255.1	1242.4
105°	1445.7	1603.9	1654.7	1642.0	1605.0	1566.9	1543.8	1530.0
107.5°	1339.4	1548.4	1670.8	1721.6	1732.0	1726.3	1714.7	1703.2
110°	1219.3	1438.7	1601.6	1699.7	1751.7	1773.6	1781.7	1781.7

TEST NUMBER: P1007824

CATALOG NUMBER: S125IP-B1270UB40-4F0-XX-W2A-4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	1124.7	1330.2	1495.3	1615.4	1697.4	1739.0	1762.1	1772.4
115°	1048.5	1227.4	1385.6	1511.5	1601.6	1657.0	1689.3	1704.3
117.5°	995.3	1153.5	1292.1	1411.0	1502.2	1560.0	1592.3	1601.6
120°	953.8	1092.3	1219.3	1321.0	1406.4	1461.8	1493.0	1502.2
122.5°	922.6	1048.5	1158.2	1251.7	1325.6	1375.2	1406.4	1414.5
125°	892.6	1010.4	1110.8	1193.9	1258.6	1306.0	1331.4	1342.9
127.5°	861.4	973.4	1068.1	1146.6	1205.5	1248.2	1272.5	1277.1
130°	832.5	934.1	1024.2	1099.3	1157.0	1195.1	1218.2	1225.1
132.5°	803.7	897.2	976.9	1048.5	1106.2	1144.3	1165.1	1173.2
135°	779.4	859.1	933.0	998.8	1049.6	1087.7	1108.5	1115.4
137.5°	757.5	824.4	888.0	945.7	991.9	1027.7	1047.3	1055.4
140°	740.2	794.4	847.5	896.0	938.8	968.8	986.1	991.9
142.5°	725.1	769.0	812.9	853.3	888.0	912.2	928.4	933.0
145°	712.4	748.2	784.0	815.2	842.9	862.6	875.3	879.9
147.5°	699.7	729.8	758.6	782.9	806.0	822.1	830.2	832.5
150°	689.3	714.8	736.7	757.5	774.8	788.7	793.3	794.4
152.5°	677.8	699.7	719.4	734.4	748.2	758.6	763.2	764.4
155°	666.3	684.7	700.9	713.6	725.1	733.2	736.7	737.8
157.5°	654.7	670.9	683.6	694.0	703.2	710.1	713.6	713.6
160°	643.2	654.7	666.3	674.3	682.4	688.2	690.5	689.3
162.5°	630.5	640.9	650.1	657.0	662.8	667.4	667.4	667.4
165°	618.9	627.0	633.9	639.7	644.3	646.6	646.6	646.6
167.5°	607.4	613.1	618.9	623.5	625.8	628.1	627.0	627.0
170°	598.1	601.6	605.1	607.4	609.7	610.8	610.8	609.7
172.5°	587.7	591.2	593.5	594.7	594.7	597.0	594.7	593.5
175°	580.8	580.8	583.1	583.1	583.1	584.3	582.0	580.8
177.5°	575.0	576.2	576.2	576.2	575.0	576.2	572.7	572.7
180°	572.7	572.7	572.7	572.7	572.7	572.7	572.7	572.7

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