

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: P1007461

Luminaire Tested: S122IP-B925UB35-4F0-XX-W2A-4

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007461
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16)
Test Lab: INNOVATION CENTER
Issue Date: 5/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122IP-B925UB35-4F0-XX-W2A-4
Description: Define 2 Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

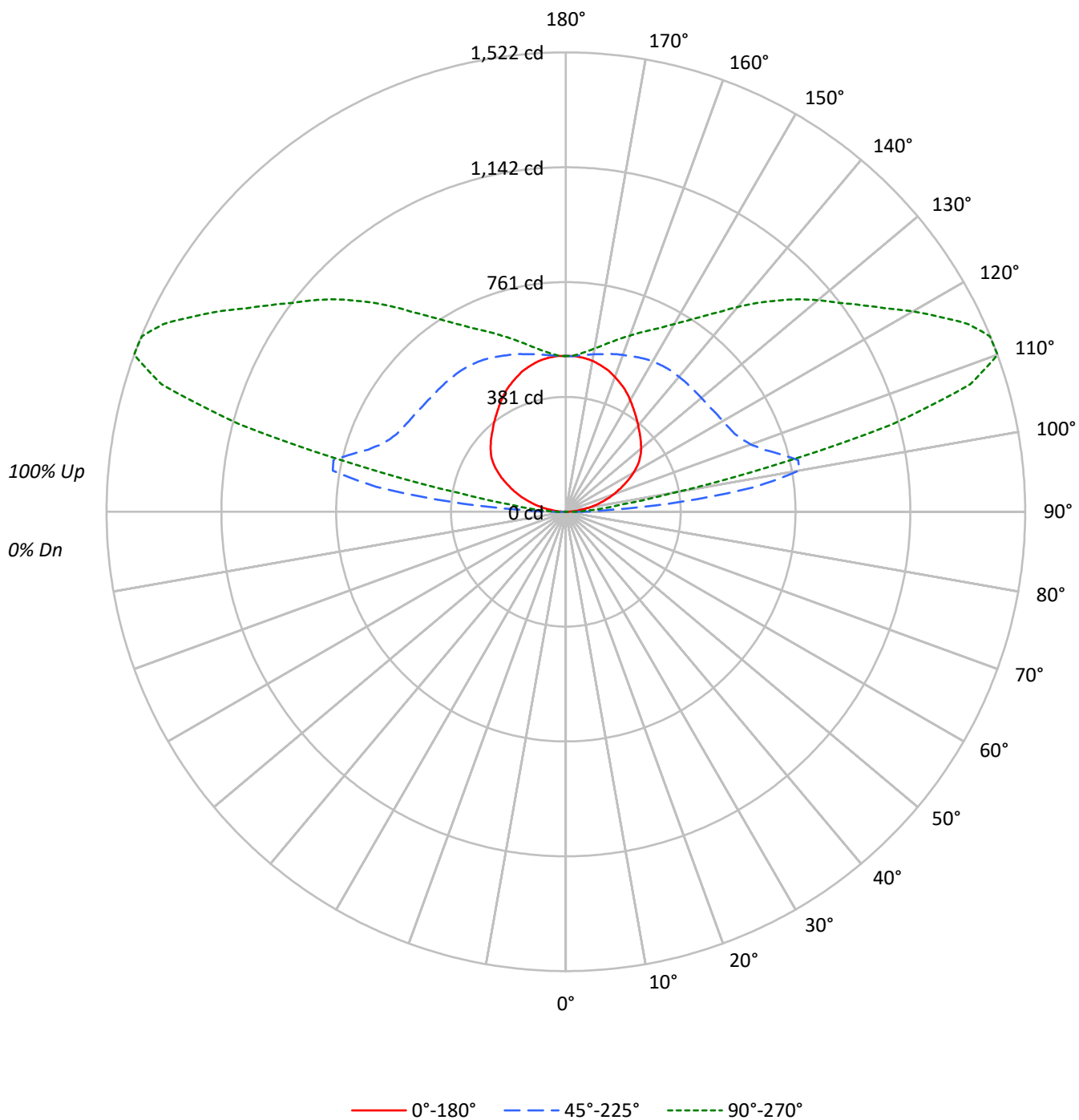
Lumens per Lamp: N/A
Luminaire Lumens: 3597.0 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 28.5
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°	3.3	0.1
90°-100°	201.2	5.6
100°-110°	708.4	19.7
110°-120°	744.0	20.7
120°-130°	612.1	17.0
130°-140°	491.7	13.7
140°-150°	371.4	10.3
150°-160°	261.1	7.3
160°-170°	153.7	4.3
170°-180°	50.0	1.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	3.3	0.1
90°-120°	1653.6	46.0
90°-150°	3128.9	87.0
90°-180°	3594.0	99.9
0°-180°	3597.0	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	13	34	32	33	2
95°	35	85	389	147	113	36
105°	121	183	735	1314	1118	129
115°	213	269	615	1270	1472	212
125°	298	352	592	1029	1194	265
135°	349	417	584	864	989	270
145°	399	458	582	722	790	250
155°	454	490	565	639	664	209
165°	494	509	541	574	582	139
175°	515	516	520	526	525	49
180°	516	516	516	516	516	

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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°	1.0	4.0	7.9	9.9	11.9	14.9	19.8	26.8	32.7	33.7	32.7
92.5°	14.9	20.8	28.8	33.7	41.7	52.6	79.4	117.1	150.8	152.8	128.0
95°	34.7	38.7	48.6	57.6	73.4	97.3	142.9	229.2	344.4	389.0	340.4
97.5°	51.6	57.6	68.5	81.4	99.2	126.0	184.6	304.7	490.2	634.1	639.1
100°	76.4	79.4	88.3	104.2	124.0	151.8	204.4	325.5	539.9	784.0	926.9
102.5°	99.2	101.2	110.2	126.0	146.9	174.7	222.3	326.5	521.0	788.9	1034.1
105°	121.1	125.0	132.0	146.9	168.7	196.5	243.1	331.5	495.2	735.4	999.3
107.5°	144.9	147.9	154.8	168.7	190.5	218.3	264.0	342.4	481.3	685.7	925.9
110°	168.7	172.7	178.6	191.5	212.4	241.1	284.8	356.3	477.3	652.0	857.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	190.5	194.5	201.5	213.4	233.2	263.0	304.7	371.1	478.3	630.2	809.8
115°	213.4	218.3	224.3	236.2	256.0	282.8	325.5	386.0	482.3	615.3	772.1
117.5°	237.2	241.1	247.1	258.0	276.9	304.7	344.4	401.9	488.2	607.3	746.3
120°	259.0	263.0	268.9	277.9	297.7	325.5	364.2	417.8	494.2	600.4	726.4
122.5°	279.8	282.8	288.8	298.7	318.6	347.3	383.1	431.7	501.1	596.4	709.5
125°	297.7	300.7	306.6	318.6	338.4	366.2	401.9	446.6	508.1	591.5	693.7
127.5°	312.6	316.6	324.5	337.4	356.3	385.0	419.8	460.5	515.0	588.5	678.8
130°	325.5	329.5	339.4	353.3	373.1	400.9	435.7	473.4	523.0	586.5	663.9
132.5°	337.4	342.4	353.3	368.2	389.0	416.8	449.5	486.3	530.9	585.5	652.0
135°	349.3	353.3	365.2	380.1	402.9	430.7	462.4	497.2	536.9	584.5	641.1
137.5°	360.2	365.2	377.1	393.0	415.8	441.6	473.4	506.1	542.8	584.5	633.1
140°	373.1	377.1	389.0	404.9	426.7	452.5	482.3	513.1	546.8	583.5	626.2
142.5°	386.0	389.0	399.9	415.8	436.6	460.5	489.2	519.0	549.8	583.5	619.2
145°	398.9	402.9	412.8	427.7	447.6	469.4	496.2	524.0	551.8	581.5	613.3
147.5°	412.8	415.8	425.7	439.6	456.5	476.3	502.1	527.0	552.8	578.6	607.3
150°	426.7	429.7	437.6	450.5	465.4	483.3	506.1	528.9	551.8	575.6	599.4
152.5°	440.6	441.6	449.5	460.5	474.4	490.2	510.1	529.9	549.8	570.6	592.4
155°	453.5	454.5	460.5	471.4	482.3	497.2	514.1	530.9	547.8	564.7	583.5
157.5°	464.4	465.4	470.4	480.3	489.2	502.1	517.0	530.9	543.8	558.7	575.6
160°	475.3	476.3	480.3	488.2	496.2	507.1	519.0	530.9	540.8	552.8	566.6
162.5°	486.3	485.3	489.2	495.2	502.1	510.1	520.0	529.9	537.9	547.8	558.7
165°	494.2	493.2	495.2	501.1	506.1	512.1	521.0	527.9	533.9	540.8	549.8
167.5°	501.1	500.2	502.1	506.1	510.1	514.1	521.0	527.0	529.9	534.9	540.8
170°	508.1	506.1	507.1	510.1	512.1	515.0	520.0	525.0	527.0	529.9	533.9
172.5°	512.1	511.1	510.1	513.1	514.1	516.0	519.0	522.0	523.0	524.0	527.0
175°	515.0	514.1	513.1	515.0	515.0	516.0	518.0	520.0	519.0	520.0	521.0
177.5°	517.0	515.0	514.1	516.0	516.0	516.0	517.0	519.0	517.0	516.0	517.0
180°	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0

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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°	31.8	29.8	31.8	32.7	32.7	32.7	32.7	32.7
92.5°	100.2	85.3	74.4	66.5	65.5	61.5	62.5	60.5
95°	260.0	199.5	157.8	136.0	123.1	115.1	112.1	113.1
97.5°	531.9	424.7	324.5	265.0	226.3	206.4	195.5	189.5
100°	906.0	783.0	647.0	527.0	444.6	401.9	373.1	355.3
102.5°	1151.2	1147.2	1056.9	927.9	836.6	756.2	718.5	692.7
105°	1205.7	1317.9	1330.8	1298.0	1236.5	1175.0	1132.3	1118.4
107.5°	1147.2	1313.9	1411.2	1450.9	1449.9	1440.9	1428.0	1405.2
110°	1066.8	1244.4	1371.5	1452.8	1495.5	1514.4	1523.3	1522.3

TEST NUMBER: P1007461

CATALOG NUMBER: S122IP-B925UB35-4F0-XX-W2A-4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	993.4	1162.1	1300.0	1396.3	1459.8	1494.5	1513.4	1520.3
115°	935.8	1088.6	1218.6	1320.9	1391.3	1437.0	1462.8	1471.7
117.5°	888.2	1025.1	1146.2	1243.4	1315.9	1364.5	1391.3	1398.3
120°	854.4	977.5	1082.7	1173.0	1242.5	1289.1	1317.9	1327.8
122.5°	827.6	937.8	1036.0	1115.4	1176.0	1221.6	1246.4	1254.4
125°	801.8	904.1	991.4	1065.8	1123.4	1161.1	1185.9	1193.8
127.5°	776.0	870.3	953.7	1023.1	1073.8	1109.5	1131.3	1137.3
130°	751.2	836.6	915.0	980.5	1029.1	1062.8	1082.7	1090.6
132.5°	727.4	804.8	875.3	935.8	983.4	1017.2	1035.0	1042.0
135°	705.6	771.1	836.6	892.1	934.8	967.6	985.4	989.4
137.5°	687.7	744.3	797.9	847.5	888.2	917.0	932.8	938.8
140°	670.8	718.5	764.1	807.8	839.5	865.4	880.2	886.2
142.5°	657.0	695.7	733.4	768.1	797.9	820.7	833.6	833.6
145°	644.1	676.8	707.6	736.3	760.2	777.0	787.0	789.9
147.5°	634.1	660.9	685.7	707.6	728.4	742.3	749.2	751.2
150°	623.2	645.0	665.9	683.7	698.6	710.5	716.5	717.5
152.5°	612.3	632.1	649.0	663.9	674.8	684.7	688.7	688.7
155°	602.4	618.2	633.1	644.1	655.0	661.9	665.9	663.9
157.5°	590.5	604.4	617.3	626.2	634.1	640.1	642.1	642.1
160°	579.5	590.5	601.4	608.3	615.3	620.2	621.2	621.2
162.5°	568.6	577.6	586.5	591.5	598.4	601.4	602.4	601.4
165°	557.7	564.7	571.6	575.6	579.5	583.5	583.5	582.5
167.5°	546.8	552.8	557.7	561.7	563.7	565.7	565.7	564.7
170°	538.9	541.8	545.8	547.8	548.8	551.8	550.8	548.8
172.5°	529.9	531.9	534.9	535.9	536.9	537.9	536.9	535.9
175°	524.0	525.0	526.0	527.0	527.0	527.9	527.0	525.0
177.5°	519.0	519.0	520.0	520.0	520.0	520.0	519.0	517.0
180°	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0

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