

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: P1007464

Luminaire Tested: S122IP-B925UB40-4F0-XX-W2A-4

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007464
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-B925UB40-4F0-XX-W2A-4
Description: Define 2 Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

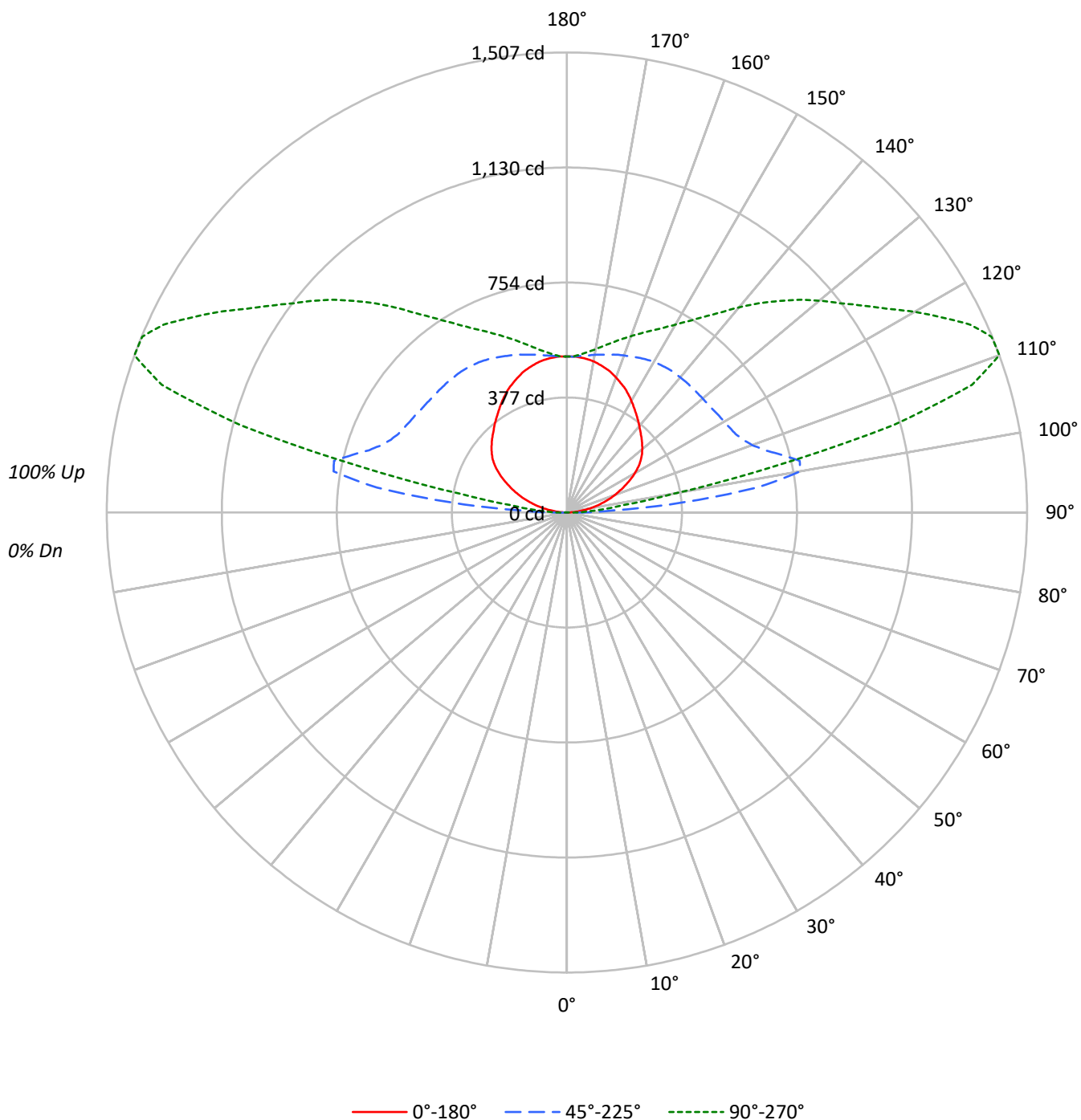
Lumens per Lamp: N/A
Luminaire Lumens: 3561.0 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Indirect

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°	199.1	5.6
100°-110°	701.3	19.7
110°-120°	736.6	20.7
120°-130°	606.0	17.0
130°-140°	486.8	13.7
140°-150°	367.7	10.3
150°-160°	258.5	7.3
160°-170°	152.2	4.3
170°-180°	49.5	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°	1637.0	46.0
90°-150°	3097.5	87.0
90°-180°	3558.0	99.9
0°-180°	3561.0	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	33	32	32	2
95°	34	84	385	145	112	36
105°	120	181	728	1301	1107	127
115°	211	267	609	1257	1457	209
125°	295	349	586	1018	1182	262
135°	346	413	579	856	980	267
145°	395	454	576	715	782	248
155°	449	485	559	632	657	207
165°	489	504	535	568	577	138
175°	510	510	515	521	520	48
180°	511	511	511	511	511	

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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	3.9	7.9	9.8	11.8	14.7	19.6	26.5	32.4	33.4	32.4
92.5°	14.7	20.6	28.5	33.4	41.3	52.1	78.6	115.9	149.3	151.3	126.7
95°	34.4	38.3	48.1	57.0	72.7	96.3	141.5	226.9	340.9	385.1	337.0
97.5°	51.1	57.0	67.8	80.6	98.2	124.8	182.7	301.6	485.3	627.8	632.7
100°	75.6	78.6	87.4	103.2	122.8	150.3	202.4	322.2	534.4	776.1	917.6
102.5°	98.2	100.2	109.1	124.8	145.4	172.9	220.1	323.2	515.8	781.0	1023.7
105°	119.9	123.8	130.7	145.4	167.0	194.5	240.7	328.1	490.2	728.0	989.3
107.5°	143.4	146.4	153.3	167.0	188.6	216.1	261.3	338.9	476.5	678.9	916.6
110°	167.0	170.9	176.8	189.6	210.2	238.7	282.0	352.7	472.6	645.5	848.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	188.6	192.6	199.4	211.2	230.9	260.3	301.6	367.4	473.5	623.9	801.7
115°	211.2	216.1	222.0	233.8	253.5	280.0	322.2	382.2	477.5	609.1	764.3
117.5°	234.8	238.7	244.6	255.4	274.1	301.6	340.9	397.9	483.4	601.3	738.8
120°	256.4	260.3	266.2	275.1	294.7	322.2	360.6	413.6	489.3	594.4	719.1
122.5°	277.0	280.0	285.9	295.7	315.4	343.9	379.2	427.4	496.1	590.4	702.4
125°	294.7	297.7	303.6	315.4	335.0	362.5	397.9	442.1	503.0	585.5	686.7
127.5°	309.5	313.4	321.3	334.0	352.7	381.2	415.6	455.9	509.9	582.6	672.0
130°	322.2	326.2	336.0	349.7	369.4	396.9	431.3	468.6	517.7	580.6	657.3
132.5°	334.0	338.9	349.7	364.5	385.1	412.6	445.0	481.4	525.6	579.6	645.5
135°	345.8	349.7	361.5	376.3	398.9	426.4	457.8	492.2	531.5	578.7	634.7
137.5°	356.6	361.5	373.3	389.0	411.6	437.2	468.6	501.0	537.4	578.7	626.8
140°	369.4	373.3	385.1	400.8	422.5	448.0	477.5	507.9	541.3	577.7	619.9
142.5°	382.2	385.1	395.9	411.6	432.3	455.9	484.3	513.8	544.3	577.7	613.0
145°	394.9	398.9	408.7	423.4	443.1	464.7	491.2	518.7	546.2	575.7	607.2
147.5°	408.7	411.6	421.5	435.2	451.9	471.6	497.1	521.7	547.2	572.8	601.3
150°	422.5	425.4	433.3	446.0	460.8	478.5	501.0	523.6	546.2	569.8	593.4
152.5°	436.2	437.2	445.0	455.9	469.6	485.3	505.0	524.6	544.3	564.9	586.5
155°	449.0	450.0	455.9	466.7	477.5	492.2	508.9	525.6	542.3	559.0	577.7
157.5°	459.8	460.8	465.7	475.5	484.3	497.1	511.9	525.6	538.4	553.1	569.8
160°	470.6	471.6	475.5	483.4	491.2	502.0	513.8	525.6	535.4	547.2	561.0
162.5°	481.4	480.4	484.3	490.2	497.1	505.0	514.8	524.6	532.5	542.3	553.1
165°	489.3	488.3	490.2	496.1	501.0	506.9	515.8	522.7	528.6	535.4	544.3
167.5°	496.1	495.2	497.1	501.0	505.0	508.9	515.8	521.7	524.6	529.5	535.4
170°	503.0	501.0	502.0	505.0	506.9	509.9	514.8	519.7	521.7	524.6	528.6
172.5°	506.9	506.0	505.0	507.9	508.9	510.9	513.8	516.8	517.7	518.7	521.7
175°	509.9	508.9	507.9	509.9	509.9	510.9	512.8	514.8	513.8	514.8	515.8
177.5°	511.9	509.9	508.9	510.9	510.9	510.9	511.9	513.8	511.9	510.9	511.9
180°	510.9	510.9	510.9	510.9	510.9	510.9	510.9	510.9	510.9	510.9	510.9

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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°	31.4	29.5	31.4	32.4	32.4	32.4	32.4	32.4
92.5°	99.2	84.5	73.7	65.8	64.8	60.9	61.9	59.9
95°	257.4	197.5	156.2	134.6	121.8	114.0	111.0	112.0
97.5°	526.6	420.5	321.3	262.3	224.0	204.3	193.5	187.6
100°	897.0	775.1	640.6	521.7	440.1	397.9	369.4	351.7
102.5°	1139.6	1135.7	1046.3	918.6	828.2	748.6	711.3	685.7
105°	1193.7	1304.7	1317.5	1285.0	1224.1	1163.2	1121.0	1107.2
107.5°	1135.7	1300.8	1397.0	1436.3	1435.4	1426.5	1413.7	1391.1
110°	1056.1	1232.0	1357.7	1438.3	1480.5	1499.2	1508.1	1507.1

TEST NUMBER: P1007464

CATALOG NUMBER: S122IP-B925UB40-4F0-XX-W2A-4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	983.4	1150.4	1287.0	1382.3	1445.2	1479.6	1498.2	1505.1
115°	926.4	1077.7	1206.4	1307.6	1377.4	1422.6	1448.1	1457.0
117.5°	879.3	1014.9	1134.7	1231.0	1302.7	1350.9	1377.4	1384.3
120°	845.9	967.7	1071.8	1161.2	1230.0	1276.2	1304.7	1314.5
122.5°	819.4	928.4	1025.7	1104.3	1164.2	1209.4	1233.9	1241.8
125°	793.8	895.0	981.5	1055.1	1112.1	1149.5	1174.0	1181.9
127.5°	768.3	861.6	944.1	1012.9	1063.0	1098.4	1120.0	1125.9
130°	743.7	828.2	905.8	970.7	1018.8	1052.2	1071.8	1079.7
132.5°	720.1	796.8	866.5	926.4	973.6	1007.0	1024.7	1031.6
135°	698.5	763.4	828.2	883.2	925.5	957.9	975.6	979.5
137.5°	680.8	736.8	789.9	839.0	879.3	907.8	923.5	929.4
140°	664.1	711.3	756.5	799.7	831.1	856.7	871.4	877.3
142.5°	650.4	688.7	726.0	760.4	789.9	812.5	825.3	825.3
145°	637.6	670.0	700.5	729.0	752.6	769.3	779.1	782.0
147.5°	627.8	654.3	678.9	700.5	721.1	734.9	741.7	743.7
150°	617.0	638.6	659.2	676.9	691.6	703.4	709.3	710.3
152.5°	606.2	625.8	642.5	657.3	668.1	677.9	681.8	681.8
155°	596.3	612.1	626.8	637.6	648.4	655.3	659.2	657.3
157.5°	584.6	598.3	611.1	619.9	627.8	633.7	635.6	635.6
160°	573.7	584.6	595.4	602.2	609.1	614.0	615.0	615.0
162.5°	562.9	571.8	580.6	585.5	592.4	595.4	596.3	595.4
165°	552.1	559.0	565.9	569.8	573.7	577.7	577.7	576.7
167.5°	541.3	547.2	552.1	556.1	558.0	560.0	560.0	559.0
170°	533.5	536.4	540.3	542.3	543.3	546.2	545.3	543.3
172.5°	524.6	526.6	529.5	530.5	531.5	532.5	531.5	530.5
175°	518.7	519.7	520.7	521.7	521.7	522.7	521.7	519.7
177.5°	513.8	513.8	514.8	514.8	514.8	514.8	513.8	511.9
180°	510.9	510.9	510.9	510.9	510.9	510.9	510.9	510.9

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