

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: P1007407

Luminaire Tested: S122IP-B530UB50-4F0-XX-W2A-4

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007407
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-B530UB50-4F0-XX-W2A-4
Description: Define 2 Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

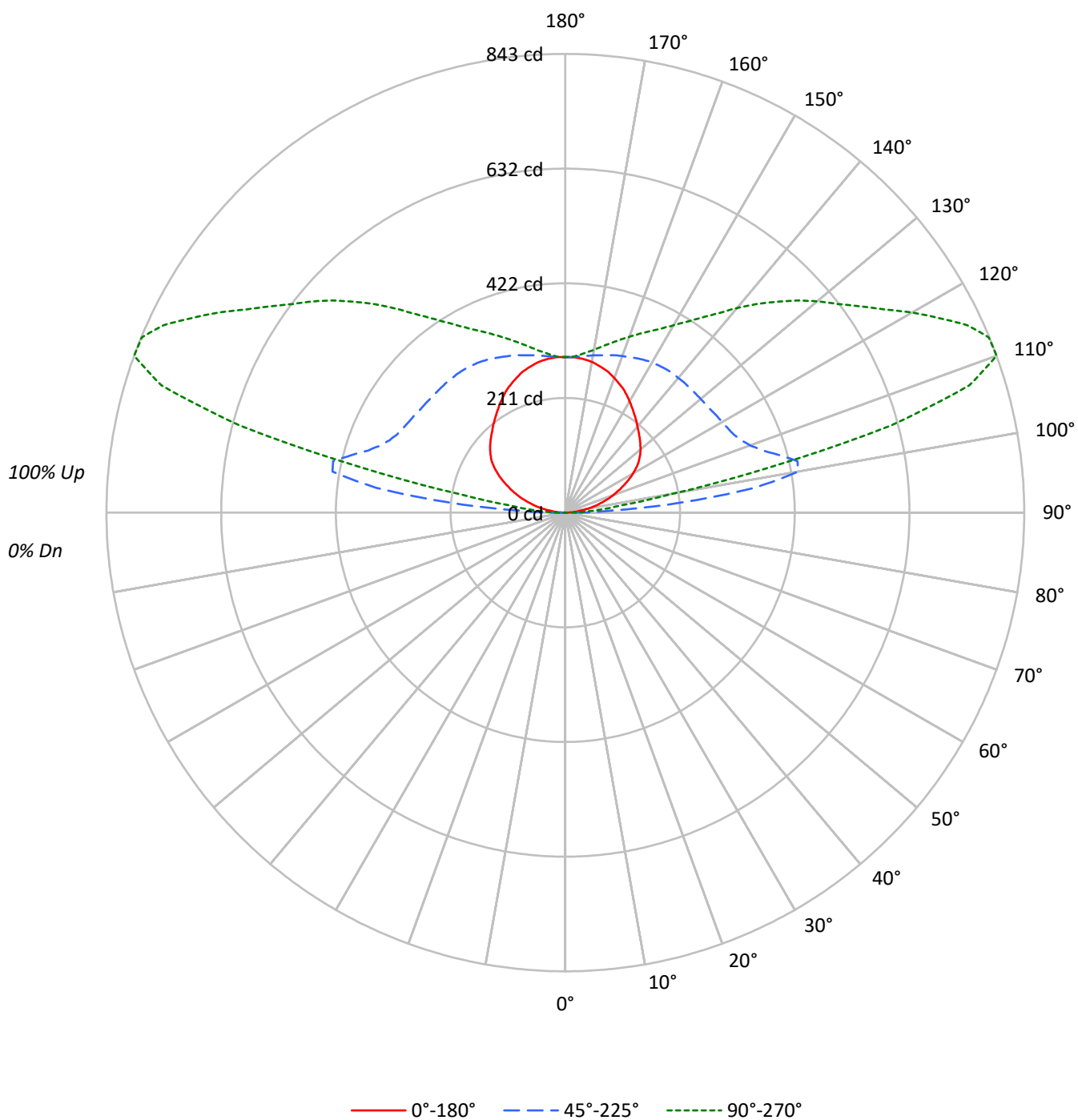
Lumens per Lamp: N/A
Luminaire Lumens: 1992.0 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 15.4
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°	1.8	0.1
90°-100°	111.4	5.6
100°-110°	392.3	19.7
110°-120°	412.0	20.7
120°-130°	339.0	17.0
130°-140°	272.3	13.7
140°-150°	205.7	10.3
150°-160°	144.6	7.3
160°-170°	85.1	4.3
170°-180°	27.7	1.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.8	0.1
90°-120°	915.8	46.0
90°-150°	1732.7	87.0
90°-180°	1990.0	99.9
0°-180°	1992.0	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°	0	7	19	18	18	1
95°	19	47	215	81	63	20
105°	67	101	407	728	619	71
115°	118	149	341	703	815	117
125°	165	195	328	570	661	147
135°	193	231	324	479	548	149
145°	221	254	322	400	438	139
155°	251	271	313	354	368	116
165°	274	282	300	318	323	77
175°	285	286	288	292	291	27
180°	286	286	286	286	286	

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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°	0.5	2.2	4.4	5.5	6.6	8.2	11.0	14.8	18.1	18.7	18.1
92.5°	8.2	11.5	15.9	18.7	23.1	29.1	44.0	64.8	83.5	84.6	70.9
95°	19.2	21.4	26.9	31.9	40.7	53.9	79.1	127.0	190.7	215.4	188.5
97.5°	28.6	31.9	37.9	45.1	55.0	69.8	102.2	168.7	271.5	351.2	353.9
100°	42.3	44.0	48.9	57.7	68.7	84.1	113.2	180.3	299.0	434.2	513.3
102.5°	55.0	56.1	61.0	69.8	81.3	96.7	123.1	180.8	288.5	436.9	572.7
105°	67.0	69.2	73.1	81.3	93.4	108.8	134.6	183.6	274.2	407.2	553.4
107.5°	80.2	81.9	85.7	93.4	105.5	120.9	146.2	189.6	266.5	379.8	512.8
110°	93.4	95.6	98.9	106.1	117.6	133.5	157.7	197.3	264.3	361.1	474.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	105.5	107.7	111.6	118.2	129.1	145.6	168.7	205.5	264.9	349.0	448.5
115°	118.2	120.9	124.2	130.8	141.8	156.6	180.3	213.8	267.1	340.7	427.6
117.5°	131.3	133.5	136.8	142.9	153.3	168.7	190.7	222.6	270.4	336.3	413.3
120°	143.4	145.6	148.9	153.9	164.9	180.3	201.7	231.4	273.7	332.5	402.3
122.5°	155.0	156.6	159.9	165.4	176.4	192.4	212.1	239.1	277.5	330.3	392.9
125°	164.9	166.5	169.8	176.4	187.4	202.8	222.6	247.3	281.4	327.5	384.2
127.5°	173.1	175.3	179.7	186.9	197.3	213.2	232.5	255.0	285.2	325.9	375.9
130°	180.3	182.5	188.0	195.6	206.6	222.0	241.3	262.1	289.6	324.8	367.7
132.5°	186.9	189.6	195.6	203.9	215.4	230.8	249.0	269.3	294.0	324.2	361.1
135°	193.4	195.6	202.2	210.5	223.1	238.5	256.1	275.3	297.3	323.7	355.0
137.5°	199.5	202.2	208.8	217.6	230.3	244.6	262.1	280.3	300.6	323.7	350.6
140°	206.6	208.8	215.4	224.2	236.3	250.6	267.1	284.1	302.8	323.1	346.8
142.5°	213.8	215.4	221.5	230.3	241.8	255.0	270.9	287.4	304.5	323.1	342.9
145°	220.9	223.1	228.6	236.9	247.9	259.9	274.8	290.2	305.6	322.0	339.6
147.5°	228.6	230.3	235.8	243.5	252.8	263.8	278.1	291.8	306.1	320.4	336.3
150°	236.3	238.0	242.4	249.5	257.7	267.6	280.3	292.9	305.6	318.8	331.9
152.5°	244.0	244.6	249.0	255.0	262.7	271.5	282.5	293.5	304.5	316.0	328.1
155°	251.2	251.7	255.0	261.0	267.1	275.3	284.7	294.0	303.4	312.7	323.1
157.5°	257.2	257.7	260.5	266.0	270.9	278.1	286.3	294.0	301.2	309.4	318.8
160°	263.2	263.8	266.0	270.4	274.8	280.8	287.4	294.0	299.5	306.1	313.8
162.5°	269.3	268.7	270.9	274.2	278.1	282.5	288.0	293.5	297.9	303.4	309.4
165°	273.7	273.1	274.2	277.5	280.3	283.6	288.5	292.4	295.7	299.5	304.5
167.5°	277.5	277.0	278.1	280.3	282.5	284.7	288.5	291.8	293.5	296.2	299.5
170°	281.4	280.3	280.8	282.5	283.6	285.2	288.0	290.7	291.8	293.5	295.7
172.5°	283.6	283.0	282.5	284.1	284.7	285.8	287.4	289.1	289.6	290.2	291.8
175°	285.2	284.7	284.1	285.2	285.2	285.8	286.9	288.0	287.4	288.0	288.5
177.5°	286.3	285.2	284.7	285.8	285.8	285.8	286.3	287.4	286.3	285.8	286.3
180°	285.8	285.8	285.8	285.8	285.8	285.8	285.8	285.8	285.8	285.8	285.8

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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°	17.6	16.5	17.6	18.1	18.1	18.1	18.1	18.1
92.5°	55.5	47.3	41.2	36.8	36.3	34.1	34.6	33.5
95°	144.0	110.5	87.4	75.3	68.1	63.8	62.1	62.7
97.5°	294.6	235.2	179.7	146.7	125.3	114.3	108.3	105.0
100°	501.8	433.6	358.3	291.8	246.2	222.6	206.6	196.7
102.5°	637.5	635.3	585.3	513.9	463.3	418.8	397.9	383.6
105°	667.7	729.8	737.0	718.8	684.8	650.7	627.1	619.4
107.5°	635.3	727.6	781.5	803.5	802.9	798.0	790.8	778.2
110°	590.8	689.2	759.5	804.6	828.2	838.6	843.6	843.0

TEST NUMBER: P1007407

CATALOG NUMBER: S122IP-B530UB50-4F0-XX-W2A-4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	550.1	643.5	719.9	773.2	808.4	827.7	838.1	841.9
115°	518.2	602.9	674.9	731.5	770.5	795.8	810.1	815.0
117.5°	491.9	567.7	634.8	688.6	728.7	755.7	770.5	774.3
120°	473.2	541.3	599.6	649.6	688.1	713.9	729.8	735.3
122.5°	458.3	519.3	573.8	617.7	651.2	676.5	690.3	694.7
125°	444.1	500.7	549.0	590.2	622.1	643.0	656.7	661.1
127.5°	429.8	482.0	528.1	566.6	594.6	614.4	626.5	629.8
130°	416.0	463.3	506.7	543.0	569.9	588.6	599.6	604.0
132.5°	402.8	445.7	484.7	518.2	544.6	563.3	573.2	577.1
135°	390.7	427.0	463.3	494.1	517.7	535.8	545.7	547.9
137.5°	380.9	412.2	441.9	469.3	491.9	507.8	516.6	519.9
140°	371.5	397.9	423.2	447.4	464.9	479.2	487.5	490.8
142.5°	363.8	385.3	406.1	425.4	441.9	454.5	461.6	461.6
145°	356.7	374.8	391.8	407.8	421.0	430.3	435.8	437.5
147.5°	351.2	366.0	379.8	391.8	403.4	411.1	414.9	416.0
150°	345.1	357.2	368.8	378.7	386.9	393.5	396.8	397.3
152.5°	339.1	350.1	359.4	367.7	373.7	379.2	381.4	381.4
155°	333.6	342.4	350.6	356.7	362.7	366.6	368.8	367.7
157.5°	327.0	334.7	341.8	346.8	351.2	354.5	355.6	355.6
160°	321.0	327.0	333.0	336.9	340.7	343.5	344.0	344.0
162.5°	314.9	319.9	324.8	327.5	331.4	333.0	333.6	333.0
165°	308.9	312.7	316.6	318.8	321.0	323.1	323.1	322.6
167.5°	302.8	306.1	308.9	311.1	312.2	313.3	313.3	312.7
170°	298.4	300.1	302.3	303.4	303.9	305.6	305.0	303.9
172.5°	293.5	294.6	296.2	296.8	297.3	297.9	297.3	296.8
175°	290.2	290.7	291.3	291.8	291.8	292.4	291.8	290.7
177.5°	287.4	287.4	288.0	288.0	288.0	288.0	287.4	286.3
180°	285.8	285.8	285.8	285.8	285.8	285.8	285.8	285.8

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