

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: P1007884

Luminaire Tested: S125IP-B610UB40-4F0-XX-W2A-4

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007884
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-B610UB40-4F0-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

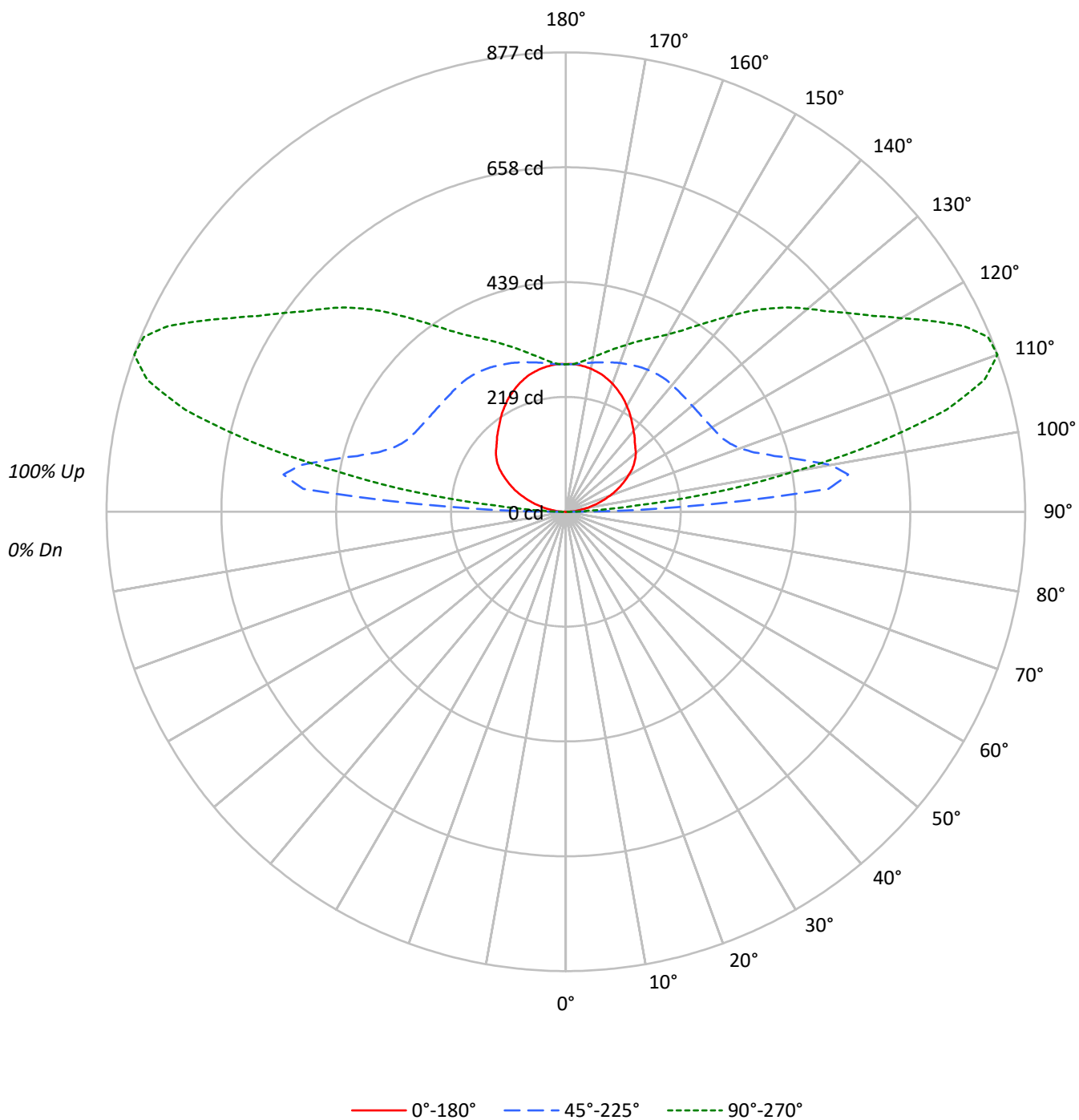
Lumens per Lamp: N/A
Luminaire Lumens: 2118.0 lumens
Efficiency: N/A
Efficacy: 137.5 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 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°	1.1	0.1
90°-100°	205.0	9.7
100°-110°	442.1	20.9
110°-120°	412.2	19.5
120°-130°	333.8	15.8
130°-140°	268.0	12.7
140°-150°	202.2	9.5
150°-160°	142.4	6.7
160°-170°	83.9	4.0
170°-180°	27.3	1.3
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.1	0.1
90°-120°	1059.3	50.0
90°-150°	1863.3	88.0
90°-180°	2117.0	100.0
0°-180°	2118.0	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	5	9	12	13	1
95°	19	55	503	228	134	20
105°	64	90	412	811	753	68
115°	115	138	331	713	839	113
125°	159	186	317	567	661	141
135°	186	224	315	475	549	145
145°	217	249	316	394	433	136
155°	248	266	308	348	363	114
165°	270	278	296	313	318	76
175°	281	281	284	287	286	27
180°	282	282	282	282	282	

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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°	0.6	1.1	2.3	3.4	4.5	5.7	6.3	7.4	8.0	9.1	9.7
92.5°	8.5	10.2	15.9	24.4	36.4	56.8	95.5	160.2	230.7	226.7	183.0
95°	18.8	19.3	23.9	30.1	42.6	68.2	129.0	254.0	410.8	503.4	492.6
97.5°	29.0	29.5	33.0	39.2	50.6	69.3	111.4	207.4	376.7	543.8	615.4
100°	39.8	40.9	43.2	49.4	60.2	77.3	110.2	184.1	327.3	513.1	655.2
102.5°	51.7	52.3	54.0	60.8	70.5	86.9	115.3	174.4	289.8	459.1	631.3
105°	64.2	64.2	67.1	72.7	81.8	97.7	122.7	173.3	268.2	412.0	575.0
107.5°	76.1	77.3	80.1	84.7	94.3	108.5	133.0	177.3	256.8	376.7	521.6
110°	89.2	90.3	92.6	97.7	106.3	121.0	144.3	183.5	252.3	353.4	477.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	102.3	103.4	105.1	110.2	118.8	133.0	155.1	191.5	252.3	339.8	444.3
115°	114.8	115.9	117.6	122.7	131.3	145.5	166.5	199.4	254.0	330.7	422.2
117.5°	126.1	127.8	129.6	134.7	144.3	158.0	177.9	208.5	256.8	325.6	407.4
120°	137.5	139.2	141.5	146.6	156.3	170.5	190.4	217.6	261.4	322.2	395.5
122.5°	149.4	150.6	152.3	157.4	168.2	182.4	202.3	227.9	265.4	319.3	385.3
125°	159.1	160.2	163.1	168.2	179.0	193.8	212.5	236.9	269.9	317.1	376.2
127.5°	167.1	168.8	172.2	178.4	189.8	204.6	222.7	245.5	275.0	315.9	367.6
130°	174.4	176.1	180.7	188.1	200.0	214.8	232.4	254.0	279.6	314.8	359.1
132.5°	180.1	182.4	188.1	196.6	209.1	223.9	241.5	261.4	284.7	314.8	352.3
135°	186.4	188.6	195.5	204.6	216.5	231.8	249.4	268.2	289.2	314.8	347.2
137.5°	194.3	196.0	202.3	211.4	223.3	239.2	255.1	273.3	293.8	315.4	342.1
140°	201.2	202.9	209.7	218.8	229.6	244.9	261.4	278.4	296.6	315.9	338.7
142.5°	209.1	210.2	216.5	225.6	235.8	250.0	265.4	281.3	298.3	316.5	335.8
145°	217.1	218.2	223.9	231.8	242.1	255.1	269.9	284.1	299.5	315.9	333.0
147.5°	225.6	226.2	231.3	238.7	247.7	259.7	272.7	285.8	300.0	314.8	330.1
150°	233.0	234.1	238.1	245.5	253.4	263.1	275.6	287.5	300.0	313.1	326.7
152.5°	240.9	241.5	244.9	251.2	258.5	267.1	278.4	288.7	299.5	310.8	322.7
155°	247.7	247.7	251.2	256.8	262.5	270.5	280.1	289.2	298.3	308.0	318.2
157.5°	254.0	254.0	256.8	262.0	267.1	273.3	281.8	289.8	297.2	305.1	314.2
160°	260.2	259.7	262.0	265.9	270.5	275.6	283.0	289.8	295.5	302.3	309.1
162.5°	265.4	264.8	267.1	270.5	273.9	277.9	284.1	289.2	293.8	298.9	304.6
165°	270.5	269.3	271.0	273.9	276.2	279.6	284.1	288.7	292.1	295.5	300.0
167.5°	273.9	273.3	274.5	276.2	277.9	280.1	284.1	287.5	289.2	292.1	295.5
170°	277.3	276.7	277.3	278.4	279.6	281.3	284.1	286.4	287.5	289.2	291.5
172.5°	279.6	278.4	279.0	280.1	280.7	281.3	283.5	285.2	285.2	285.8	287.5
175°	281.3	280.1	280.7	281.3	281.3	281.3	283.0	284.1	283.5	283.5	284.1
177.5°	282.4	281.3	281.3	281.8	281.3	281.3	282.4	283.0	281.8	281.8	282.4
180°	281.8	281.8	281.8	281.8	281.8	281.8	281.8	281.8	281.8	281.8	281.8

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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°	10.2	10.8	11.4	12.5	12.5	12.5	13.1	13.1
92.5°	123.3	88.6	65.9	55.1	46.0	44.3	43.2	42.0
95°	408.6	322.2	252.3	204.6	164.2	147.2	142.6	133.5
97.5°	585.8	517.1	446.6	378.4	344.3	314.8	299.5	292.6
100°	698.9	671.1	612.5	553.4	514.2	473.3	452.3	443.2
102.5°	737.0	765.4	744.9	709.7	667.1	641.0	617.7	611.4
105°	711.4	789.3	814.3	808.0	789.8	771.1	759.7	752.9
107.5°	659.1	762.0	822.2	847.2	852.3	849.5	843.8	838.1
110°	600.0	708.0	788.1	836.4	862.0	872.8	876.8	876.8

TEST NUMBER: P1007884

CATALOG NUMBER: S125IP-B610UB40-4F0-XX-W2A-4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	553.4	654.6	735.8	794.9	835.3	855.7	867.1	872.2
115°	515.9	604.0	681.9	743.8	788.1	815.4	831.3	838.7
117.5°	489.8	567.7	635.8	694.4	739.3	767.7	783.6	788.1
120°	469.4	537.5	600.0	650.0	692.1	719.4	734.7	739.3
122.5°	454.0	515.9	569.9	616.0	652.3	676.8	692.1	696.1
125°	439.2	497.2	546.6	587.5	619.4	642.7	655.2	660.8
127.5°	423.9	479.0	525.6	564.2	593.2	614.2	626.2	628.5
130°	409.7	459.7	504.0	540.9	569.4	588.1	599.5	602.9
132.5°	395.5	441.5	480.7	515.9	544.4	563.1	573.3	577.3
135°	383.5	422.8	459.1	491.5	516.5	535.3	545.5	548.9
137.5°	372.8	405.7	437.0	465.4	488.1	505.7	515.4	519.4
140°	364.2	390.9	417.1	440.9	462.0	476.7	485.3	488.1
142.5°	356.8	378.4	400.0	419.9	437.0	448.9	456.9	459.1
145°	350.6	368.2	385.8	401.2	414.8	424.5	430.7	433.0
147.5°	344.3	359.1	373.3	385.3	396.6	404.6	408.6	409.7
150°	339.2	351.7	362.5	372.8	381.3	388.1	390.4	390.9
152.5°	333.5	344.3	354.0	361.4	368.2	373.3	375.6	376.2
155°	327.9	337.0	344.9	351.2	356.8	360.8	362.5	363.1
157.5°	322.2	330.1	336.4	341.5	346.0	349.5	351.2	351.2
160°	316.5	322.2	327.9	331.8	335.8	338.7	339.8	339.2
162.5°	310.2	315.4	319.9	323.3	326.2	328.4	328.4	328.4
165°	304.6	308.5	312.0	314.8	317.1	318.2	318.2	318.2
167.5°	298.9	301.7	304.6	306.8	308.0	309.1	308.5	308.5
170°	294.3	296.0	297.7	298.9	300.0	300.6	300.6	300.0
172.5°	289.2	290.9	292.1	292.6	292.6	293.8	292.6	292.1
175°	285.8	285.8	287.0	287.0	287.0	287.5	286.4	285.8
177.5°	283.0	283.5	283.5	283.5	283.0	283.5	281.8	281.8
180°	281.8	281.8	281.8	281.8	281.8	281.8	281.8	281.8

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