

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: P1007860

Luminaire Tested: S125IP-B610UB27-4F0-XX-W2A-4

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007860
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-B610UB27-4F0-XX-W2A-4
Description: Define 5 Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

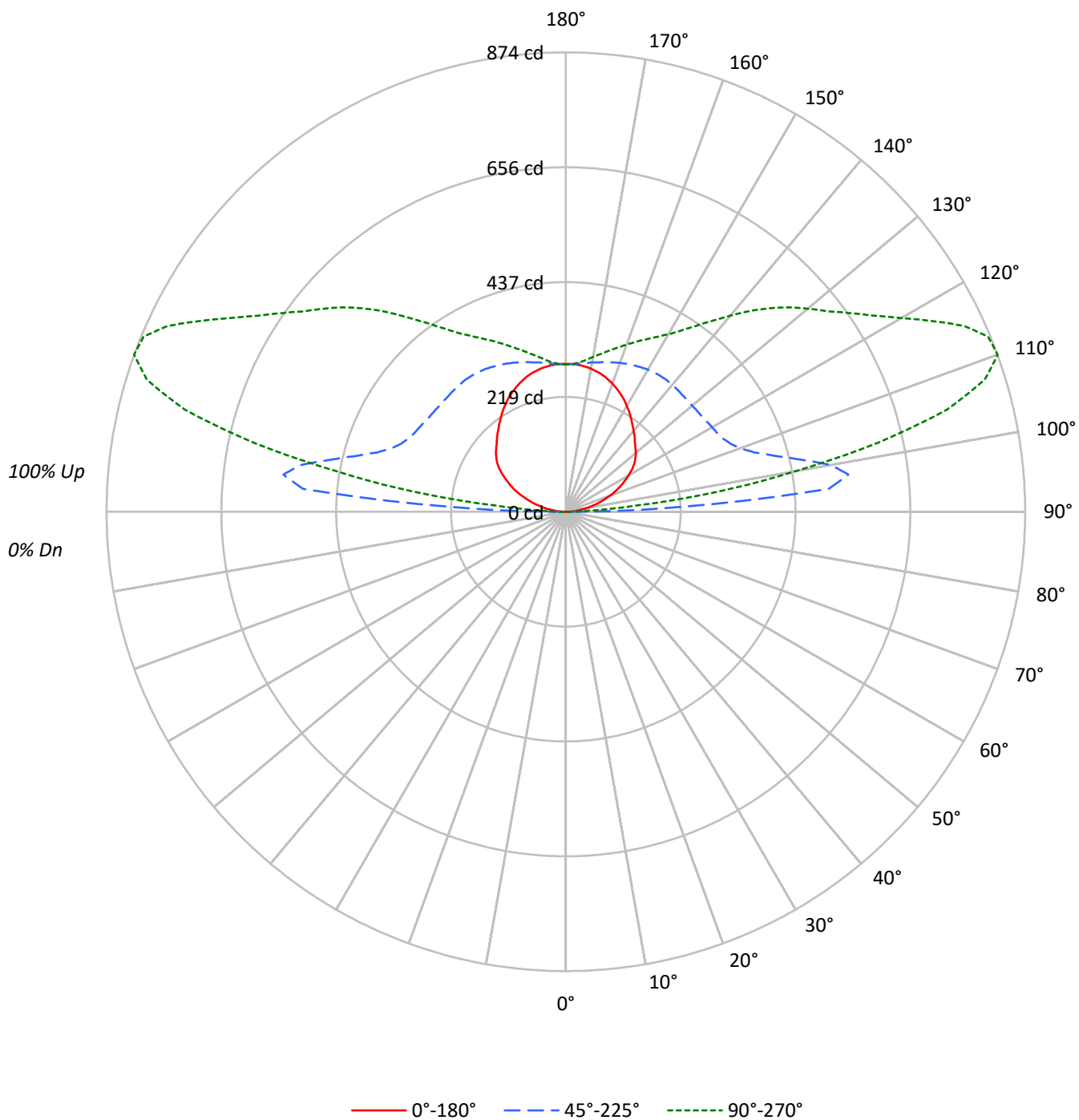
Lumens per Lamp: N/A
Luminaire Lumens: 2112.0 lumens
Efficiency: N/A
Efficacy: 137.1 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

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°	204.4	9.7
100°-110°	440.8	20.9
110°-120°	411.0	19.5
120°-130°	332.9	15.8
130°-140°	267.3	12.7
140°-150°	201.6	9.5
150°-160°	142.0	6.7
160°-170°	83.7	4.0
170°-180°	27.2	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°	1056.3	50.0
90°-150°	1858.0	88.0
90°-180°	2111.0	100.0
0°-180°	2112.0	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	502	228	133	19
105°	64	90	411	809	751	67
115°	114	138	330	711	836	113
125°	159	186	316	566	659	141
135°	186	224	314	474	547	144
145°	216	248	315	392	432	136
155°	247	266	307	347	362	114
165°	270	277	295	312	317	76
175°	280	280	283	286	285	27
180°	281	281	281	281	281	

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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	6.2	7.4	7.9	9.1	9.6
92.5°	8.5	10.2	15.9	24.4	36.3	56.7	95.2	159.8	230.0	226.1	182.4
95°	18.7	19.3	23.8	30.0	42.5	68.0	128.6	253.3	409.7	502.0	491.3
97.5°	28.9	29.5	32.9	39.1	50.4	69.1	111.1	206.8	375.7	542.2	613.6
100°	39.7	40.8	43.1	49.3	60.1	77.1	109.9	183.6	326.4	511.7	653.3
102.5°	51.6	52.1	53.8	60.6	70.3	86.7	115.0	173.9	289.0	457.8	629.5
105°	64.0	64.0	66.9	72.5	81.6	97.5	122.4	172.8	267.4	410.8	573.4
107.5°	75.9	77.1	79.9	84.4	94.1	108.2	132.6	176.8	256.1	375.7	520.1
110°	89.0	90.1	92.4	97.5	106.0	120.7	143.9	183.0	251.6	352.4	476.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	102.0	103.1	104.8	109.9	118.4	132.6	154.7	190.9	251.6	338.8	443.1
115°	114.5	115.6	117.3	122.4	130.9	145.1	166.0	198.9	253.3	329.8	421.0
117.5°	125.8	127.5	129.2	134.3	143.9	157.5	177.3	207.9	256.1	324.7	406.3
120°	137.1	138.8	141.1	146.2	155.8	170.0	189.8	217.0	260.6	321.3	394.4
122.5°	149.0	150.2	151.9	157.0	167.7	181.9	201.7	227.2	264.6	318.4	384.2
125°	158.7	159.8	162.6	167.7	178.5	193.2	211.9	236.3	269.1	316.2	375.1
127.5°	166.6	168.3	171.7	177.9	189.2	204.0	222.1	244.8	274.2	315.0	366.6
130°	173.9	175.6	180.2	187.5	199.4	214.2	231.7	253.3	278.8	313.9	358.1
132.5°	179.6	181.9	187.5	196.0	208.5	223.2	240.8	260.6	283.9	313.9	351.3
135°	185.8	188.1	194.9	204.0	215.9	231.2	248.7	267.4	288.4	313.9	346.2
137.5°	193.8	195.5	201.7	210.8	222.7	238.5	254.4	272.5	292.9	314.5	341.1
140°	200.6	202.3	209.1	218.1	228.9	244.2	260.6	277.6	295.8	315.0	337.7
142.5°	208.5	209.6	215.9	224.9	235.1	249.3	264.6	280.5	297.5	315.6	334.9
145°	216.4	217.6	223.2	231.2	241.4	254.4	269.1	283.3	298.6	315.0	332.0
147.5°	224.9	225.5	230.6	238.0	247.0	258.9	272.0	285.0	299.2	313.9	329.2
150°	232.3	233.4	237.4	244.8	252.7	262.3	274.8	286.7	299.2	312.2	325.8
152.5°	240.2	240.8	244.2	250.4	257.8	266.3	277.6	287.8	298.6	309.9	321.8
155°	247.0	247.0	250.4	256.1	261.8	269.7	279.3	288.4	297.5	307.1	317.3
157.5°	253.3	253.3	256.1	261.2	266.3	272.5	281.0	289.0	296.3	304.3	313.3
160°	259.5	258.9	261.2	265.2	269.7	274.8	282.2	289.0	294.6	301.4	308.2
162.5°	264.6	264.0	266.3	269.7	273.1	277.1	283.3	288.4	292.9	298.0	303.7
165°	269.7	268.6	270.3	273.1	275.4	278.8	283.3	287.8	291.2	294.6	299.2
167.5°	273.1	272.5	273.7	275.4	277.1	279.3	283.3	286.7	288.4	291.2	294.6
170°	276.5	275.9	276.5	277.6	278.8	280.5	283.3	285.6	286.7	288.4	290.7
172.5°	278.8	277.6	278.2	279.3	279.9	280.5	282.7	284.4	284.4	285.0	286.7
175°	280.5	279.3	279.9	280.5	280.5	280.5	282.2	283.3	282.7	282.7	283.3
177.5°	281.6	280.5	280.5	281.0	280.5	280.5	281.6	282.2	281.0	281.0	281.6
180°	281.0	281.0	281.0	281.0	281.0	281.0	281.0	281.0	281.0	281.0	281.0

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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°	10.2	10.8	11.3	12.5	12.5	12.5	13.0	13.0
92.5°	123.0	88.4	65.7	55.0	45.9	44.2	43.1	41.9
95°	407.4	321.3	251.6	204.0	163.8	146.8	142.2	133.2
97.5°	584.2	515.6	445.4	377.4	343.4	313.9	298.6	291.8
100°	696.9	669.2	610.8	551.9	512.8	472.0	451.0	442.0
102.5°	734.9	763.2	742.8	707.7	665.2	639.1	615.9	609.7
105°	709.4	787.0	812.0	805.7	787.6	768.9	757.6	750.8
107.5°	657.3	759.8	819.9	844.8	849.9	847.1	841.4	835.8
110°	598.3	706.0	785.9	834.1	859.6	870.3	874.3	874.3

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CATALOG NUMBER: S125IP-B610UB27-4F0-XX-W2A-4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	551.9	652.7	733.8	792.7	832.9	853.3	864.6	869.7
115°	514.5	602.3	679.9	741.7	785.9	813.1	829.0	836.3
117.5°	488.4	566.0	634.0	692.4	737.2	765.5	781.4	785.9
120°	468.0	536.0	598.3	648.2	690.1	717.3	732.6	737.2
122.5°	452.7	514.5	568.3	614.2	650.5	674.8	690.1	694.1
125°	438.0	495.8	545.1	585.9	617.6	640.8	653.3	659.0
127.5°	422.7	477.7	524.1	562.6	591.5	612.5	624.4	626.7
130°	408.5	458.4	502.6	539.4	567.7	586.4	597.8	601.2
132.5°	394.4	440.3	479.4	514.5	542.8	561.5	571.7	575.7
135°	382.5	421.6	457.8	490.1	515.1	533.7	543.9	547.3
137.5°	371.7	404.6	435.7	464.1	486.7	504.3	513.9	517.9
140°	363.2	389.8	415.9	439.7	460.7	475.4	483.9	486.7
142.5°	355.8	377.4	398.9	418.7	435.7	447.6	455.6	457.8
145°	349.6	367.2	384.7	400.0	413.6	423.3	429.5	431.8
147.5°	343.4	358.1	372.3	384.2	395.5	403.4	407.4	408.5
150°	338.3	350.7	361.5	371.7	380.2	387.0	389.3	389.8
152.5°	332.6	343.4	353.0	360.4	367.2	372.3	374.5	375.1
155°	326.9	336.0	343.9	350.2	355.8	359.8	361.5	362.1
157.5°	321.3	329.2	335.4	340.5	345.1	348.5	350.2	350.2
160°	315.6	321.3	326.9	330.9	334.9	337.7	338.8	338.3
162.5°	309.4	314.5	319.0	322.4	325.2	327.5	327.5	327.5
165°	303.7	307.7	311.1	313.9	316.2	317.3	317.3	317.3
167.5°	298.0	300.9	303.7	306.0	307.1	308.2	307.7	307.7
170°	293.5	295.2	296.9	298.0	299.2	299.7	299.7	299.2
172.5°	288.4	290.1	291.2	291.8	291.8	292.9	291.8	291.2
175°	285.0	285.0	286.1	286.1	286.1	286.7	285.6	285.0
177.5°	282.2	282.7	282.7	282.7	282.2	282.7	281.0	281.0
180°	281.0	281.0	281.0	281.0	281.0	281.0	281.0	281.0

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