

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: P1007869

Luminaire Tested: S125IP-B610UB2750-4F0-XX-W2A-4_3500K

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007869
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-B610UB2750-4F0-XX-W2A-4_3500K
Description: Define 5 Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

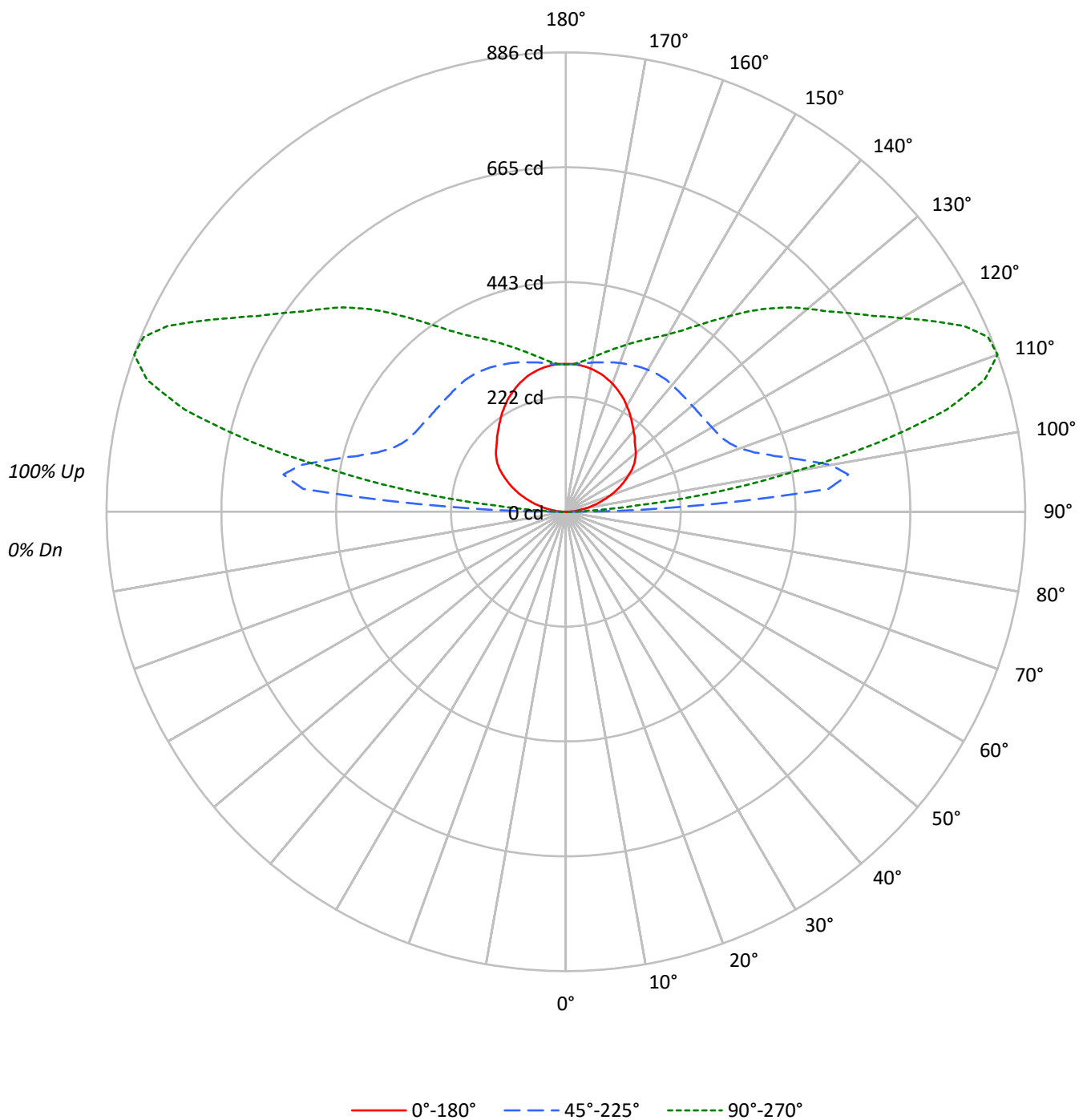
Lumens per Lamp: N/A
Luminaire Lumens: 2140.0 lumens
Efficiency: N/A
Efficacy: 139.0 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

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

TEST NUMBER: P1007869

CATALOG NUMBER: S125IP-B610UB2750-4F0-XX-W2A-4_3500K

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°	207.1	9.7
100°-110°	446.7	20.9
110°-120°	416.4	19.5
120°-130°	337.3	15.8
130°-140°	270.8	12.7
140°-150°	204.3	9.5
150°-160°	143.9	6.7
160°-170°	84.8	4.0
170°-180°	27.6	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°	1070.3	50.0
90°-150°	1882.7	88.0
90°-180°	2139.0	100.0
0°-180°	2140.0	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	56	509	231	135	20
105°	65	91	416	820	761	68
115°	116	140	334	720	847	114
125°	161	188	320	573	668	143
135°	188	226	318	480	555	146
145°	219	251	319	398	438	137
155°	250	269	311	352	367	115
165°	273	281	298	317	322	77
175°	284	284	286	290	289	27
180°	285	285	285	285	285	



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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	4.6	5.7	6.3	7.5	8.0	9.2	9.8
92.5°	8.6	10.3	16.1	24.7	36.7	57.4	96.5	161.9	233.1	229.1	184.9
95°	18.9	19.5	24.1	30.4	43.1	68.9	130.3	256.6	415.1	508.7	497.8
97.5°	29.3	29.9	33.3	39.6	51.1	70.0	112.5	209.6	380.6	549.4	621.8
100°	40.2	41.3	43.6	49.9	60.9	78.1	111.4	186.0	330.7	518.4	662.0
102.5°	52.2	52.8	54.5	61.4	71.2	87.8	116.5	176.3	292.8	463.9	637.9
105°	64.9	64.9	67.7	73.5	82.7	98.7	124.0	175.1	271.0	416.2	581.0
107.5°	76.9	78.1	81.0	85.5	95.3	109.7	134.3	179.1	259.5	380.6	527.0
110°	90.1	91.3	93.6	98.7	107.4	122.3	145.8	185.4	254.9	357.1	482.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	103.3	104.5	106.2	111.4	120.0	134.3	156.7	193.5	254.9	343.3	449.0
115°	116.0	117.1	118.8	124.0	132.6	147.0	168.2	201.5	256.6	334.1	426.6
117.5°	127.5	129.2	130.9	136.1	145.8	159.6	179.7	210.7	259.5	329.0	411.6
120°	138.9	140.7	143.0	148.1	157.9	172.2	192.3	219.9	264.1	325.5	399.6
122.5°	151.0	152.1	153.9	159.0	169.9	184.3	204.4	230.2	268.1	322.7	389.3
125°	160.8	161.9	164.8	169.9	180.8	195.8	214.7	239.4	272.7	320.4	380.1
127.5°	168.8	170.5	174.0	180.3	191.8	206.7	225.1	248.0	277.9	319.2	371.5
130°	176.3	178.0	182.6	190.0	202.1	217.0	234.8	256.6	282.5	318.1	362.8
132.5°	182.0	184.3	190.0	198.6	211.3	226.2	244.0	264.1	287.6	318.1	356.0
135°	188.3	190.6	197.5	206.7	218.7	234.2	252.0	271.0	292.2	318.1	350.8
137.5°	196.4	198.1	204.4	213.6	225.6	241.7	257.8	276.2	296.8	318.6	345.6
140°	203.2	205.0	211.9	221.0	231.9	247.4	264.1	281.3	299.7	319.2	342.2
142.5°	211.3	212.4	218.7	227.9	238.3	252.6	268.1	284.2	301.4	319.8	339.3
145°	219.3	220.5	226.2	234.2	244.6	257.8	272.7	287.1	302.6	319.2	336.4
147.5°	227.9	228.5	233.7	241.1	250.3	262.4	275.6	288.8	303.1	318.1	333.6
150°	235.4	236.5	240.6	248.0	256.1	265.8	278.5	290.5	303.1	316.3	330.1
152.5°	243.4	244.0	247.4	253.8	261.2	269.8	281.3	291.7	302.6	314.0	326.1
155°	250.3	250.3	253.8	259.5	265.2	273.3	283.0	292.2	301.4	311.2	321.5
157.5°	256.6	256.6	259.5	264.7	269.8	276.2	284.8	292.8	300.3	308.3	317.5
160°	262.9	262.4	264.7	268.7	273.3	278.5	285.9	292.8	298.5	305.4	312.3
162.5°	268.1	267.5	269.8	273.3	276.7	280.7	287.1	292.2	296.8	302.0	307.7
165°	273.3	272.1	273.9	276.7	279.0	282.5	287.1	291.7	295.1	298.5	303.1
167.5°	276.7	276.2	277.3	279.0	280.7	283.0	287.1	290.5	292.2	295.1	298.5
170°	280.2	279.6	280.2	281.3	282.5	284.2	287.1	289.4	290.5	292.2	294.5
172.5°	282.5	281.3	281.9	283.0	283.6	284.2	286.5	288.2	288.2	288.8	290.5
175°	284.2	283.0	283.6	284.2	284.2	284.2	285.9	287.1	286.5	286.5	287.1
177.5°	285.3	284.2	284.2	284.8	284.2	284.2	285.3	285.9	284.8	284.8	285.3
180°	284.8	284.8	284.8	284.8	284.8	284.8	284.8	284.8	284.8	284.8	284.8

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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°	10.3	10.9	11.5	12.6	12.6	12.6	13.2	13.2
92.5°	124.6	89.6	66.6	55.7	46.5	44.8	43.6	42.5
95°	412.8	325.5	254.9	206.7	165.9	148.7	144.1	134.9
97.5°	591.9	522.5	451.3	382.4	347.9	318.1	302.6	295.7
100°	706.2	678.0	618.9	559.2	519.6	478.2	457.0	447.8
102.5°	744.6	773.3	752.7	717.1	674.0	647.6	624.1	617.8
105°	718.8	797.5	822.7	816.4	798.0	779.1	767.6	760.7
107.5°	666.0	769.9	830.8	856.0	861.2	858.3	852.6	846.8
110°	606.3	715.4	796.3	845.1	870.9	881.9	885.9	885.9

TEST NUMBER: P1007869

CATALOG NUMBER: S125IP-B610UB2750-4F0-XX-W2A-4_3500K

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	559.2	661.4	743.5	803.2	844.0	864.6	876.1	881.3
115°	521.3	610.3	688.9	751.5	796.3	823.9	839.9	847.4
117.5°	494.9	573.5	642.4	701.6	746.9	775.6	791.7	796.3
120°	474.2	543.1	606.3	656.8	699.3	726.8	742.3	746.9
122.5°	458.7	521.3	575.8	622.4	659.1	683.8	699.3	703.3
125°	443.8	502.4	552.3	593.6	625.8	649.3	662.0	667.7
127.5°	428.3	484.0	531.1	570.1	599.4	620.6	632.7	635.0
130°	413.9	464.5	509.2	546.6	575.3	594.2	605.7	609.1
132.5°	399.6	446.1	485.7	521.3	550.0	569.0	579.3	583.3
135°	387.5	427.1	463.9	496.6	521.9	540.8	551.2	554.6
137.5°	376.6	409.9	441.5	470.2	493.2	511.0	520.7	524.7
140°	368.0	395.0	421.4	445.5	466.8	481.7	490.3	493.2
142.5°	360.5	382.4	404.2	424.3	441.5	453.6	461.6	463.9
145°	354.2	372.0	389.8	405.3	419.1	428.9	435.2	437.5
147.5°	347.9	362.8	377.2	389.3	400.7	408.8	412.8	413.9
150°	342.8	355.4	366.3	376.6	385.2	392.1	394.4	395.0
152.5°	337.0	347.9	357.7	365.1	372.0	377.2	379.5	380.1
155°	331.3	340.5	348.5	354.8	360.5	364.6	366.3	366.9
157.5°	325.5	333.6	339.9	345.0	349.6	353.1	354.8	354.8
160°	319.8	325.5	331.3	335.3	339.3	342.2	343.3	342.8
162.5°	313.5	318.6	323.2	326.7	329.5	331.8	331.8	331.8
165°	307.7	311.7	315.2	318.1	320.4	321.5	321.5	321.5
167.5°	302.0	304.9	307.7	310.0	311.2	312.3	311.7	311.7
170°	297.4	299.1	300.8	302.0	303.1	303.7	303.7	303.1
172.5°	292.2	294.0	295.1	295.7	295.7	296.8	295.7	295.1
175°	288.8	288.8	289.9	289.9	289.9	290.5	289.4	288.8
177.5°	285.9	286.5	286.5	286.5	285.9	286.5	284.8	284.8
180°	284.8	284.8	284.8	284.8	284.8	284.8	284.8	284.8

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