

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: P1007908

Luminaire Tested: S125IP-B850UB30-4F0-XX-W2A-4

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007908
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-B850UB30-4F0-XX-W2A-4
Description: Define 5 Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

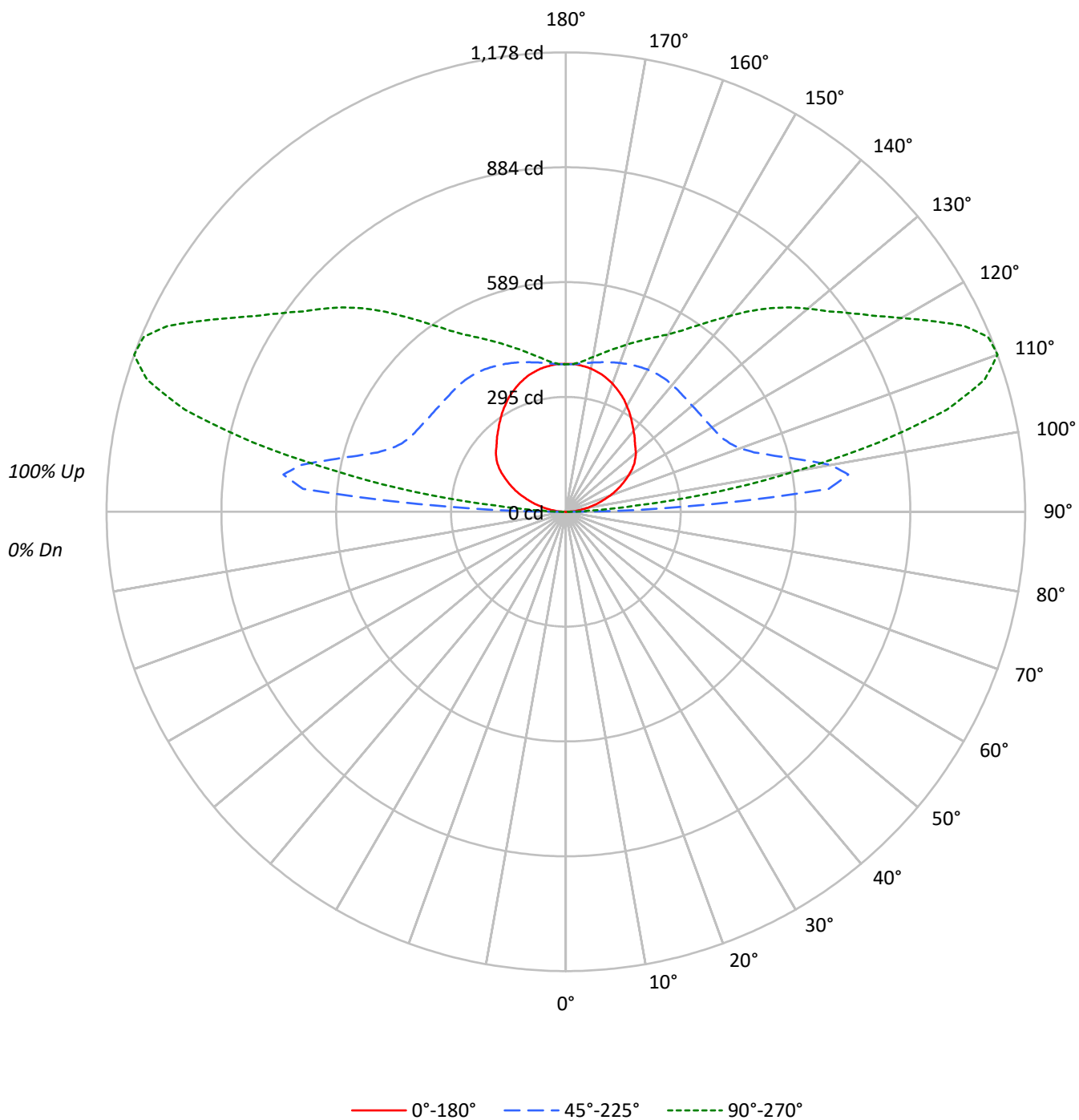
Lumens per Lamp: N/A
Luminaire Lumens: 2846.0 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 21.1
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°	1.5	0.1
90°-100°	275.5	9.7
100°-110°	594.0	20.9
110°-120°	553.8	19.5
120°-130°	448.6	15.8
130°-140°	360.2	12.7
140°-150°	271.7	9.5
150°-160°	191.3	6.7
160°-170°	112.8	4.0
170°-180°	36.7	1.3
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.5	0.1
90°-120°	1423.4	50.0
90°-150°	2503.8	88.0
90°-180°	2845.0	100.0
0°-180°	2846.0	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	7	12	16	18	2
95°	25	74	676	307	179	26
105°	86	121	554	1090	1012	91
115°	154	186	444	958	1127	152
125°	214	250	426	762	888	190
135°	250	301	423	639	738	194
145°	292	334	424	529	582	183
155°	333	358	414	468	488	153
165°	363	373	397	421	428	102
175°	378	378	381	386	384	36
180°	379	379	379	379	379	

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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°	0.8	1.5	3.1	4.6	6.1	7.6	8.4	9.9	10.7	12.2	13.0
92.5°	11.5	13.7	21.4	32.8	48.9	76.4	128.3	215.3	310.0	304.6	245.9
95°	25.2	26.0	32.1	40.5	57.3	91.6	173.3	341.3	552.0	676.5	662.0
97.5°	38.9	39.7	44.3	52.7	68.0	93.2	149.7	278.7	506.2	730.7	826.9
100°	53.4	55.0	58.0	66.4	80.9	103.8	148.1	247.4	439.8	689.5	880.4
102.5°	69.5	70.2	72.5	81.7	94.7	116.8	155.0	234.4	389.4	616.9	848.3
105°	86.3	86.3	90.1	97.7	109.9	131.3	164.9	232.9	360.4	553.6	772.7
107.5°	102.3	103.8	107.7	113.8	126.7	145.8	178.7	238.2	345.1	506.2	700.9
110°	119.9	121.4	124.5	131.3	142.8	162.6	193.9	246.6	339.0	474.9	641.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	137.4	139.0	141.3	148.1	159.6	178.7	208.4	257.3	339.0	456.6	597.1
115°	154.2	155.8	158.1	164.9	176.4	195.5	223.7	268.0	341.3	444.4	567.3
117.5°	169.5	171.8	174.1	181.0	193.9	212.3	239.0	280.2	345.1	437.5	547.5
120°	184.8	187.1	190.1	197.0	210.0	229.1	255.8	292.4	351.2	432.9	531.4
122.5°	200.8	202.3	204.6	211.5	226.0	245.1	271.8	306.2	356.6	429.1	517.7
125°	213.8	215.3	219.1	226.0	240.5	260.4	285.6	318.4	362.7	426.1	505.5
127.5°	224.5	226.8	231.3	239.7	255.0	274.9	299.3	329.8	369.5	424.5	494.0
130°	234.4	236.7	242.8	252.7	268.8	288.6	312.3	341.3	375.7	423.0	482.6
132.5°	242.0	245.1	252.7	264.2	281.0	300.8	324.5	351.2	382.5	423.0	473.4
135°	250.4	253.5	262.7	274.9	290.9	311.5	335.2	360.4	388.6	423.0	466.5
137.5°	261.1	263.4	271.8	284.0	300.1	321.4	342.8	367.3	394.7	423.8	459.6
140°	270.3	272.6	281.7	294.0	308.5	329.1	351.2	374.1	398.6	424.5	455.1
142.5°	281.0	282.5	290.9	303.1	316.9	336.0	356.6	377.9	400.9	425.3	451.2
145°	291.7	293.2	300.8	311.5	325.3	342.8	362.7	381.8	402.4	424.5	447.4
147.5°	303.1	303.9	310.8	320.7	332.9	348.9	366.5	384.1	403.1	423.0	443.6
150°	313.0	314.6	319.9	329.8	340.5	353.5	370.3	386.3	403.1	420.7	439.0
152.5°	323.7	324.5	329.1	337.5	347.4	358.9	374.1	387.9	402.4	417.7	433.7
155°	332.9	332.9	337.5	345.1	352.8	363.4	376.4	388.6	400.9	413.8	427.6
157.5°	341.3	341.3	345.1	352.0	358.9	367.3	378.7	389.4	399.3	410.0	422.2
160°	349.7	348.9	352.0	357.3	363.4	370.3	380.2	389.4	397.0	406.2	415.4
162.5°	356.6	355.8	358.9	363.4	368.0	373.4	381.8	388.6	394.7	401.6	409.3
165°	363.4	361.9	364.2	368.0	371.1	375.7	381.8	387.9	392.5	397.0	403.1
167.5°	368.0	367.3	368.8	371.1	373.4	376.4	381.8	386.3	388.6	392.5	397.0
170°	372.6	371.8	372.6	374.1	375.7	377.9	381.8	384.8	386.3	388.6	391.7
172.5°	375.7	374.1	374.9	376.4	377.2	377.9	381.0	383.3	383.3	384.1	386.3
175°	377.9	376.4	377.2	377.9	377.9	377.9	380.2	381.8	381.0	381.0	381.8
177.5°	379.5	377.9	377.9	378.7	377.9	377.9	379.5	380.2	378.7	378.7	379.5
180°	378.7	378.7	378.7	378.7	378.7	378.7	378.7	378.7	378.7	378.7	378.7

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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°	13.7	14.5	15.3	16.8	16.8	16.8	17.6	17.6
92.5°	165.7	119.1	88.6	74.1	61.8	59.6	58.0	56.5
95°	549.0	432.9	339.0	274.9	220.7	197.8	191.6	179.4
97.5°	787.2	694.8	600.1	508.5	462.7	423.0	402.4	393.2
100°	939.1	901.7	823.1	743.7	691.0	636.0	607.8	595.6
102.5°	990.3	1028.5	1001.0	953.7	896.4	861.3	830.0	821.6
105°	955.9	1060.5	1094.1	1085.7	1061.3	1036.1	1020.8	1011.7
107.5°	885.7	1023.9	1104.8	1138.4	1145.3	1141.5	1133.8	1126.2
110°	806.3	951.4	1059.0	1123.9	1158.3	1172.8	1178.1	1178.1

TEST NUMBER: P1007908

CATALOG NUMBER: S125IP-B850UB30-4F0-XX-W2A-4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	743.7	879.6	988.8	1068.2	1122.4	1149.9	1165.1	1172.0
115°	693.3	811.6	916.2	999.5	1059.0	1095.7	1117.0	1127.0
117.5°	658.2	762.8	854.4	933.0	993.4	1031.5	1052.9	1059.0
120°	630.7	722.3	806.3	873.5	930.0	966.6	987.2	993.4
122.5°	610.1	693.3	765.8	827.7	876.5	909.4	930.0	935.3
125°	590.2	668.1	734.5	789.5	832.2	863.6	880.4	888.0
127.5°	569.6	643.7	706.3	758.2	797.1	825.4	841.4	844.5
130°	550.5	617.7	677.3	726.9	765.1	790.3	805.5	810.1
132.5°	531.4	593.3	645.9	693.3	731.5	756.7	770.4	775.7
135°	515.4	568.1	616.9	660.5	694.0	719.2	733.0	737.6
137.5°	500.9	545.2	587.2	625.3	655.9	679.5	692.5	697.9
140°	489.4	525.3	560.4	592.5	620.8	640.6	652.1	655.9
142.5°	479.5	508.5	537.5	564.2	587.2	603.2	613.9	616.9
145°	471.1	494.8	518.4	539.1	557.4	570.4	578.8	581.8
147.5°	462.7	482.6	501.6	517.7	532.9	543.6	549.0	550.5
150°	455.8	472.6	487.1	500.9	512.3	521.5	524.5	525.3
152.5°	448.2	462.7	475.7	485.6	494.8	501.6	504.7	505.5
155°	440.6	452.8	463.5	471.9	479.5	484.8	487.1	487.9
157.5°	432.9	443.6	452.0	458.9	465.0	469.6	471.9	471.9
160°	425.3	432.9	440.6	445.9	451.2	455.1	456.6	455.8
162.5°	416.9	423.8	429.9	434.4	438.3	441.3	441.3	441.3
165°	409.3	414.6	419.2	423.0	426.1	427.6	427.6	427.6
167.5°	401.6	405.4	409.3	412.3	413.8	415.4	414.6	414.6
170°	395.5	397.8	400.1	401.6	403.1	403.9	403.9	403.1
172.5°	388.6	390.9	392.5	393.2	393.2	394.7	393.2	392.5
175°	384.1	384.1	385.6	385.6	385.6	386.3	384.8	384.1
177.5°	380.2	381.0	381.0	381.0	380.2	381.0	378.7	378.7
180°	378.7	378.7	378.7	378.7	378.7	378.7	378.7	378.7

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