

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: P1007467

Luminaire Tested: S122IP-B925UB50-4F0-XX-W2A-4

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007467
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-B925UB50-4F0-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

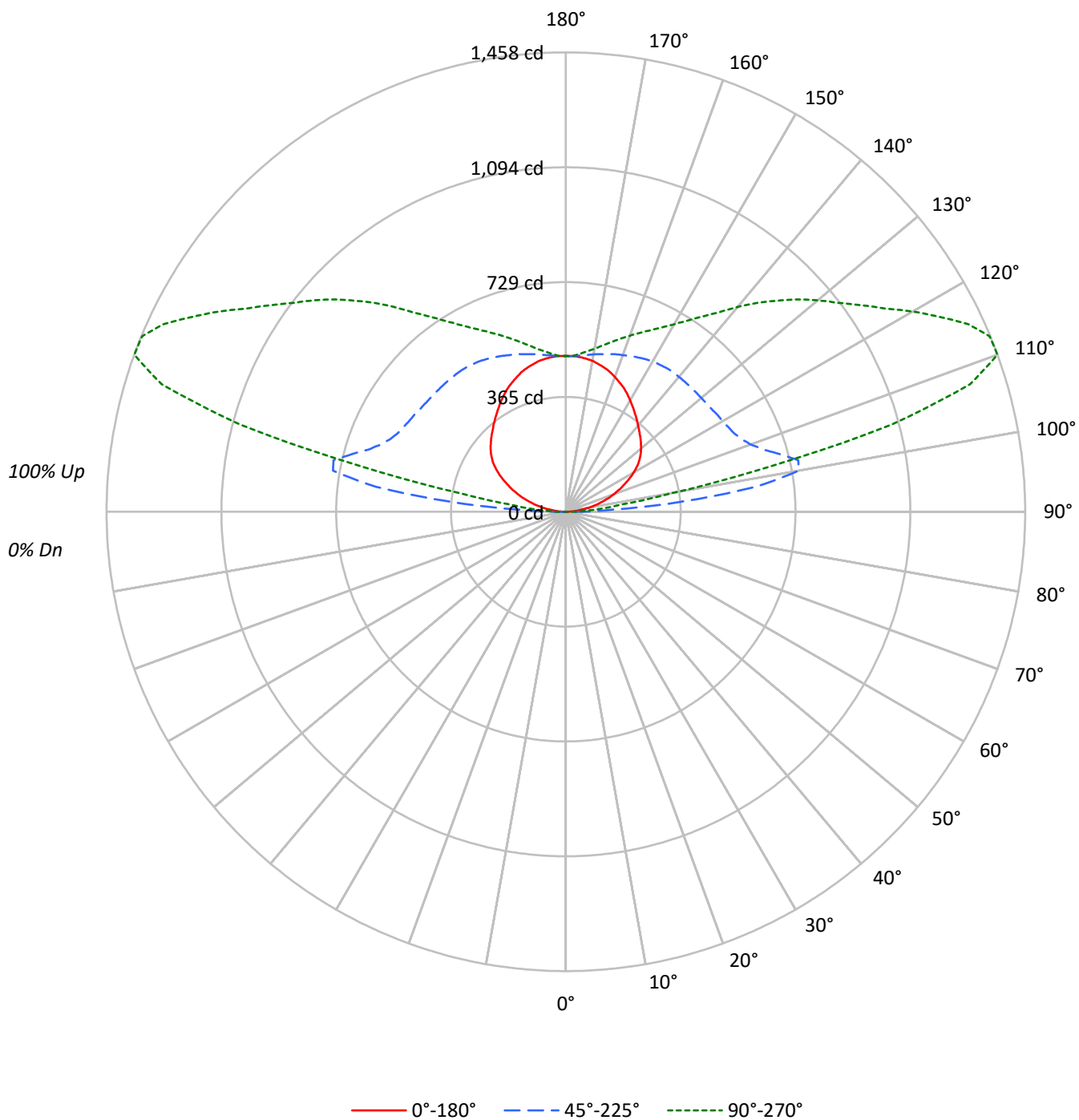
Lumens per Lamp: N/A
Luminaire Lumens: 3444.0 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 28.5
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°	3.2	0.1
90°-100°	192.6	5.6
100°-110°	678.3	19.7
110°-120°	712.4	20.7
120°-130°	586.1	17.0
130°-140°	470.8	13.7
140°-150°	355.6	10.3
150°-160°	250.0	7.3
160°-170°	147.2	4.3
170°-180°	47.9	1.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	3.2	0.1
90°-120°	1583.3	46.0
90°-150°	2995.8	87.0
90°-180°	3441.0	99.9
0°-180°	3444.0	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	13	32	31	31	2
95°	33	82	372	141	108	34
105°	116	175	704	1258	1071	123
115°	204	258	589	1216	1409	203
125°	285	337	566	985	1143	253
135°	334	399	560	828	947	258
145°	382	439	557	691	756	240
155°	434	469	541	611	636	200
165°	473	487	518	549	558	133
175°	493	494	498	504	503	47
180°	494	494	494	494	494	

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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°	1.0	3.8	7.6	9.5	11.4	14.3	19.0	25.7	31.4	32.3	31.4
92.5°	14.3	20.0	27.6	32.3	39.9	50.4	76.0	112.1	144.4	146.3	122.6
95°	33.3	37.1	46.6	55.1	70.3	93.1	136.8	219.5	329.7	372.5	325.9
97.5°	49.4	55.1	65.6	77.9	95.0	120.7	176.7	291.7	469.4	607.2	611.9
100°	73.2	76.0	84.6	99.8	118.8	145.4	195.7	311.7	516.9	750.6	887.5
102.5°	95.0	96.9	105.5	120.7	140.6	167.2	212.8	312.6	498.8	755.4	990.1
105°	115.9	119.7	126.4	140.6	161.5	188.1	232.8	317.4	474.1	704.1	956.8
107.5°	138.7	141.6	148.2	161.5	182.4	209.0	252.7	327.8	460.8	656.6	886.5
110°	161.5	165.3	171.0	183.4	203.3	230.9	272.7	341.1	457.0	624.3	820.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	182.4	186.2	192.9	204.3	223.3	251.8	291.7	355.4	458.0	603.4	775.3
115°	204.3	209.0	214.7	226.1	245.1	270.8	311.7	369.6	461.8	589.1	739.2
117.5°	227.1	230.9	236.6	247.0	265.1	291.7	329.7	384.8	467.5	581.5	714.5
120°	248.0	251.8	257.5	266.0	285.0	311.7	348.7	400.0	473.2	574.8	695.5
122.5°	267.9	270.8	276.5	286.0	305.0	332.6	366.8	413.3	479.8	571.0	679.4
125°	285.0	287.9	293.6	305.0	324.0	350.6	384.8	427.6	486.5	566.3	664.2
127.5°	299.3	303.1	310.7	323.1	341.1	368.7	401.9	440.9	493.1	563.4	649.9
130°	311.7	315.5	325.0	338.3	357.3	383.9	417.1	453.2	500.7	561.5	635.7
132.5°	323.1	327.8	338.3	352.5	372.5	399.1	430.4	465.6	508.3	560.6	624.3
135°	334.5	338.3	349.7	363.9	385.8	412.4	442.8	476.0	514.0	559.6	613.8
137.5°	344.9	349.7	361.1	376.3	398.1	422.8	453.2	484.6	519.7	559.6	606.2
140°	357.3	361.1	372.5	387.7	408.6	433.3	461.8	491.2	523.5	558.7	599.6
142.5°	369.6	372.5	382.9	398.1	418.1	440.9	468.4	496.9	526.4	558.7	592.9
145°	382.0	385.8	395.3	409.5	428.5	449.4	475.1	501.7	528.3	556.8	587.2
147.5°	395.3	398.1	407.6	420.9	437.1	456.1	480.8	504.5	529.2	553.9	581.5
150°	408.6	411.4	419.0	431.4	445.6	462.7	484.6	506.4	528.3	551.1	573.9
152.5°	421.9	422.8	430.4	440.9	454.2	469.4	488.4	507.4	526.4	546.3	567.2
155°	434.2	435.2	440.9	451.3	461.8	476.0	492.2	508.3	524.5	540.6	558.7
157.5°	444.7	445.6	450.4	459.9	468.4	480.8	495.0	508.3	520.7	534.9	551.1
160°	455.1	456.1	459.9	467.5	475.1	485.5	496.9	508.3	517.8	529.2	542.5
162.5°	465.6	464.6	468.4	474.1	480.8	488.4	497.9	507.4	515.0	524.5	534.9
165°	473.2	472.2	474.1	479.8	484.6	490.3	498.8	505.5	511.2	517.8	526.4
167.5°	479.8	478.9	480.8	484.6	488.4	492.2	498.8	504.5	507.4	512.1	517.8
170°	486.5	484.6	485.5	488.4	490.3	493.1	497.9	502.6	504.5	507.4	511.2
172.5°	490.3	489.3	488.4	491.2	492.2	494.1	496.9	499.8	500.7	501.7	504.5
175°	493.1	492.2	491.2	493.1	493.1	494.1	496.0	497.9	496.9	497.9	498.8
177.5°	495.0	493.1	492.2	494.1	494.1	494.1	495.0	496.9	495.0	494.1	495.0
180°	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1

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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°	30.4	28.5	30.4	31.4	31.4	31.4	31.4	31.4
92.5°	96.0	81.7	71.3	63.7	62.7	58.9	59.9	58.0
95°	248.9	191.0	151.1	130.2	117.8	110.2	107.4	108.3
97.5°	509.3	406.7	310.7	253.7	216.6	197.6	187.2	181.5
100°	867.5	749.7	619.5	504.5	425.7	384.8	357.3	340.2
102.5°	1102.2	1098.4	1011.9	888.4	801.0	724.0	687.9	663.2
105°	1154.4	1261.8	1274.2	1242.8	1183.9	1125.0	1084.1	1070.8
107.5°	1098.4	1258.0	1351.1	1389.1	1388.2	1379.6	1367.3	1345.4
110°	1021.4	1191.5	1313.1	1391.0	1431.9	1450.0	1458.5	1457.6

TEST NUMBER: P1007467

CATALOG NUMBER: S122IP-B925UB50-4F0-XX-W2A-4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	951.1	1112.6	1244.7	1336.9	1397.7	1430.9	1449.0	1455.7
115°	896.0	1042.3	1166.8	1264.7	1332.1	1375.8	1400.5	1409.1
117.5°	850.4	981.5	1097.4	1190.6	1259.9	1306.5	1332.1	1338.8
120°	818.1	935.9	1036.6	1123.1	1189.6	1234.3	1261.8	1271.3
122.5°	792.4	897.9	992.0	1068.0	1125.9	1169.7	1193.4	1201.0
125°	767.7	865.6	949.2	1020.5	1075.6	1111.7	1135.4	1143.0
127.5°	743.0	833.3	913.1	979.6	1028.1	1062.3	1083.2	1088.9
130°	719.3	801.0	876.1	938.8	985.3	1017.6	1036.6	1044.2
132.5°	696.5	770.6	838.0	896.0	941.6	973.9	991.0	997.7
135°	675.6	738.3	801.0	854.2	895.1	926.4	943.5	947.3
137.5°	658.5	712.6	763.9	811.4	850.4	878.0	893.2	898.9
140°	642.3	687.9	731.6	773.4	803.8	828.5	842.8	848.5
142.5°	629.0	666.1	702.2	735.4	763.9	785.8	798.1	798.1
145°	616.7	648.0	677.5	705.0	727.8	744.0	753.5	756.3
147.5°	607.2	632.8	656.6	677.5	697.4	710.7	717.4	719.3
150°	596.7	617.6	637.6	654.7	668.9	680.3	686.0	687.0
152.5°	586.3	605.3	621.4	635.7	646.1	655.6	659.4	659.4
155°	576.7	592.0	606.2	616.7	627.1	633.8	637.6	635.7
157.5°	565.3	578.7	591.0	599.6	607.2	612.9	614.8	614.8
160°	554.9	565.3	575.8	582.5	589.1	593.9	594.8	594.8
162.5°	544.4	553.0	561.5	566.3	572.9	575.8	576.7	575.8
165°	534.0	540.6	547.3	551.1	554.9	558.7	558.7	557.7
167.5°	523.5	529.2	534.0	537.8	539.7	541.6	541.6	540.6
170°	515.9	518.8	522.6	524.5	525.4	528.3	527.3	525.4
172.5°	507.4	509.3	512.1	513.1	514.0	515.0	514.0	513.1
175°	501.7	502.6	503.6	504.5	504.5	505.5	504.5	502.6
177.5°	496.9	496.9	497.9	497.9	497.9	497.9	496.9	495.0
180°	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1

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