

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: P1007380

Luminaire Tested: S122IP-B530UB27-4F0-XX-W2A-4

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007380
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-B530UB27-4F0-XX-W2A-4
Description: Define 2 Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

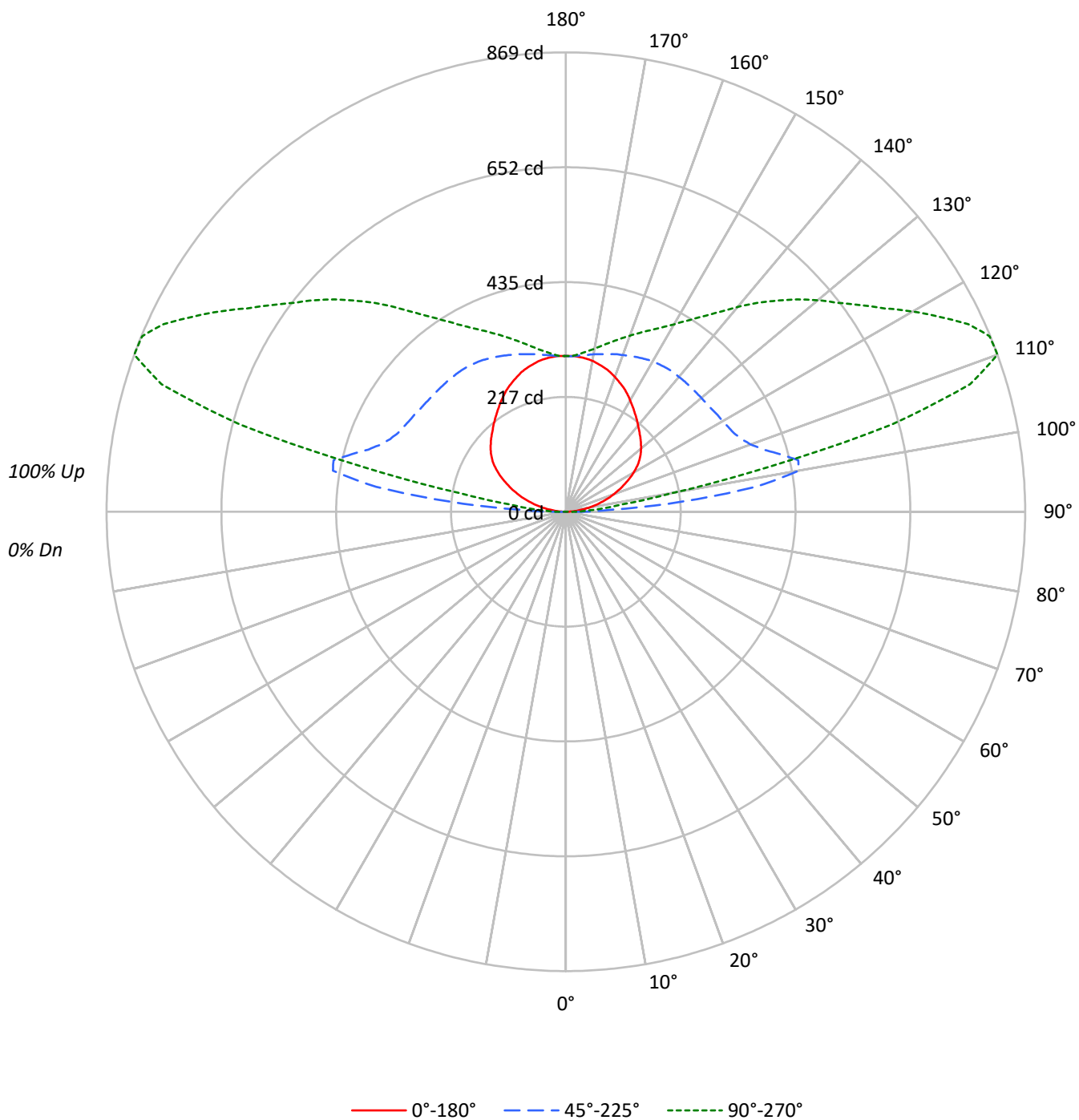
Lumens per Lamp: N/A
Luminaire Lumens: 2053.0 lumens
Efficiency: N/A
Efficacy: 133.3 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 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: P1007380

CATALOG NUMBER: S122IP-B530UB27-4F0-XX-W2A-4

Luminous Intensity Polar Plot



TEST NUMBER: P1007380

CATALOG NUMBER: S122IP-B530UB27-4F0-XX-W2A-4

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

TEST NUMBER: P1007380

CATALOG NUMBER: S122IP-B530UB27-4F0-XX-W2A-4

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°	1.9	0.1
90°-100°	114.8	5.6
100°-110°	404.3	19.7
110°-120°	424.7	20.7
120°-130°	349.4	17.0
130°-140°	280.7	13.7
140°-150°	212.0	10.3
150°-160°	149.0	7.3
160°-170°	87.7	4.3
170°-180°	28.5	1.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.9	0.1
90°-120°	943.8	46.0
90°-150°	1785.8	87.0
90°-180°	2051.0	99.9
0°-180°	2053.0	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	8	19	18	19	1
95°	20	49	222	84	65	20
105°	69	104	420	750	638	73
115°	122	154	351	725	840	121
125°	170	201	338	587	681	151
135°	199	238	334	493	565	154
145°	228	262	332	412	451	143
155°	259	280	322	364	379	119
165°	282	291	309	327	332	80
175°	294	294	297	300	300	28
180°	294	294	294	294	294	

TEST NUMBER: P1007380

CATALOG NUMBER: S122IP-B530UB27-4F0-XX-W2A-4

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	2.3	4.5	5.7	6.8	8.5	11.3	15.3	18.7	19.3	18.7
92.5°	8.5	11.9	16.4	19.3	23.8	30.0	45.3	66.8	86.1	87.2	73.1
95°	19.8	22.1	27.8	32.9	41.9	55.5	81.6	130.8	196.5	222.0	194.3
97.5°	29.5	32.9	39.1	46.4	56.6	71.9	105.4	173.9	279.8	361.9	364.8
100°	43.6	45.3	50.4	59.5	70.8	86.7	116.7	185.8	308.1	447.5	529.0
102.5°	56.6	57.8	62.9	71.9	83.8	99.7	126.9	186.3	297.4	450.3	590.2
105°	69.1	71.4	75.3	83.8	96.3	112.1	138.8	189.2	282.6	419.7	570.4
107.5°	82.7	84.4	88.4	96.3	108.7	124.6	150.7	195.4	274.7	391.4	528.5
110°	96.3	98.6	102.0	109.3	121.2	137.6	162.6	203.3	272.4	372.1	489.4

TEST NUMBER: P1007380

CATALOG NUMBER: S122IP-B530UB27-4F0-XX-W2A-4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	108.7	111.0	115.0	121.8	133.1	150.1	173.9	211.8	273.0	359.7	462.2
115°	121.8	124.6	128.0	134.8	146.1	161.4	185.8	220.3	275.3	351.2	440.7
117.5°	135.4	137.6	141.0	147.3	158.0	173.9	196.5	229.4	278.7	346.6	425.9
120°	147.8	150.1	153.5	158.6	169.9	185.8	207.9	238.5	282.1	342.7	414.6
122.5°	159.7	161.4	164.8	170.5	181.8	198.2	218.6	246.4	286.0	340.4	405.0
125°	169.9	171.6	175.0	181.8	193.1	209.0	229.4	254.9	290.0	337.6	395.9
127.5°	178.4	180.7	185.2	192.6	203.3	219.8	239.6	262.8	294.0	335.9	387.4
130°	185.8	188.0	193.7	201.6	213.0	228.8	248.7	270.2	298.5	334.7	378.9
132.5°	192.6	195.4	201.6	210.1	222.0	237.9	256.6	277.5	303.0	334.2	372.1
135°	199.4	201.6	208.4	216.9	230.0	245.8	263.9	283.8	306.4	333.6	365.9
137.5°	205.6	208.4	215.2	224.3	237.3	252.0	270.2	288.9	309.8	333.6	361.4
140°	213.0	215.2	222.0	231.1	243.6	258.3	275.3	292.8	312.1	333.0	357.4
142.5°	220.3	222.0	228.3	237.3	249.2	262.8	279.2	296.2	313.8	333.0	353.4
145°	227.7	230.0	235.6	244.1	255.4	267.9	283.2	299.1	314.9	331.9	350.0
147.5°	235.6	237.3	243.0	250.9	260.5	271.9	286.6	300.8	315.5	330.2	346.6
150°	243.6	245.3	249.8	257.1	265.6	275.8	288.9	301.9	314.9	328.5	342.1
152.5°	251.5	252.0	256.6	262.8	270.7	279.8	291.1	302.5	313.8	325.7	338.1
155°	258.8	259.4	262.8	269.0	275.3	283.8	293.4	303.0	312.7	322.3	333.0
157.5°	265.1	265.6	268.5	274.1	279.2	286.6	295.1	303.0	310.4	318.9	328.5
160°	271.3	271.9	274.1	278.7	283.2	289.4	296.2	303.0	308.7	315.5	323.4
162.5°	277.5	277.0	279.2	282.6	286.6	291.1	296.8	302.5	307.0	312.7	318.9
165°	282.1	281.5	282.6	286.0	288.9	292.3	297.4	301.3	304.7	308.7	313.8
167.5°	286.0	285.5	286.6	288.9	291.1	293.4	297.4	300.8	302.5	305.3	308.7
170°	290.0	288.9	289.4	291.1	292.3	294.0	296.8	299.6	300.8	302.5	304.7
172.5°	292.3	291.7	291.1	292.8	293.4	294.5	296.2	297.9	298.5	299.1	300.8
175°	294.0	293.4	292.8	294.0	294.0	294.5	295.7	296.8	296.2	296.8	297.4
177.5°	295.1	294.0	293.4	294.5	294.5	294.5	295.1	296.2	295.1	294.5	295.1
180°	294.5	294.5	294.5	294.5	294.5	294.5	294.5	294.5	294.5	294.5	294.5

TEST NUMBER: P1007380

CATALOG NUMBER: S122IP-B530UB27-4F0-XX-W2A-4

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°	18.1	17.0	18.1	18.7	18.7	18.7	18.7	18.7
92.5°	57.2	48.7	42.5	37.9	37.4	35.1	35.7	34.6
95°	148.4	113.8	90.1	77.6	70.2	65.7	64.0	64.6
97.5°	303.6	242.4	185.2	151.2	129.1	117.8	111.6	108.2
100°	517.1	446.9	369.3	300.8	253.7	229.4	213.0	202.8
102.5°	657.0	654.8	603.2	529.6	477.5	431.6	410.1	395.3
105°	688.2	752.2	759.5	740.9	705.7	670.6	646.3	638.3
107.5°	654.8	749.9	805.4	828.1	827.5	822.4	815.1	802.0
110°	608.9	710.3	782.8	829.2	853.6	864.3	869.4	868.9

TEST NUMBER: P1007380

CATALOG NUMBER: S122IP-B530UB27-4F0-XX-W2A-4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	567.0	663.3	742.0	796.9	833.2	853.0	863.8	867.7
115°	534.1	621.3	695.5	753.9	794.1	820.1	834.9	840.0
117.5°	506.9	585.1	654.2	709.7	751.0	778.8	794.1	798.1
120°	487.7	557.9	617.9	669.5	709.1	735.8	752.2	757.8
122.5°	472.4	535.2	591.3	636.6	671.2	697.2	711.4	715.9
125°	457.7	516.0	565.8	608.3	641.2	662.7	676.9	681.4
127.5°	442.9	496.7	544.3	584.0	612.8	633.2	645.7	649.1
130°	428.8	477.5	522.2	559.6	587.4	606.6	617.9	622.5
132.5°	415.2	459.4	499.6	534.1	561.3	580.6	590.8	594.7
135°	402.7	440.1	477.5	509.2	533.6	552.2	562.4	564.7
137.5°	392.5	424.8	455.4	483.7	506.9	523.4	532.4	535.8
140°	382.9	410.1	436.1	461.1	479.2	493.9	502.4	505.8
142.5°	375.0	397.0	418.6	438.4	455.4	468.4	475.8	475.8
145°	367.6	386.3	403.8	420.3	433.9	443.5	449.2	450.9
147.5°	361.9	377.2	391.4	403.8	415.7	423.7	427.6	428.8
150°	355.7	368.2	380.1	390.3	398.7	405.5	408.9	409.5
152.5°	349.5	360.8	370.4	378.9	385.2	390.8	393.1	393.1
155°	343.8	352.9	361.4	367.6	373.8	377.8	380.1	378.9
157.5°	337.0	344.9	352.3	357.4	361.9	365.3	366.5	366.5
160°	330.8	337.0	343.2	347.2	351.2	354.0	354.6	354.6
162.5°	324.5	329.6	334.7	337.6	341.5	343.2	343.8	343.2
165°	318.3	322.3	326.2	328.5	330.8	333.0	333.0	332.5
167.5°	312.1	315.5	318.3	320.6	321.7	322.8	322.8	322.3
170°	307.6	309.3	311.5	312.7	313.2	314.9	314.4	313.2
172.5°	302.5	303.6	305.3	305.9	306.4	307.0	306.4	305.9
175°	299.1	299.6	300.2	300.8	300.8	301.3	300.8	299.6
177.5°	296.2	296.2	296.8	296.8	296.8	296.8	296.2	295.1
180°	294.5	294.5	294.5	294.5	294.5	294.5	294.5	294.5

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