

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: P1007448

Luminaire Tested: S122IP-B925UB2750-4F0-XX-W2A-4_3000K

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007448
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-B925UB2750-4F0-XX-W2A-4_3000K
Description: Define 2 Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

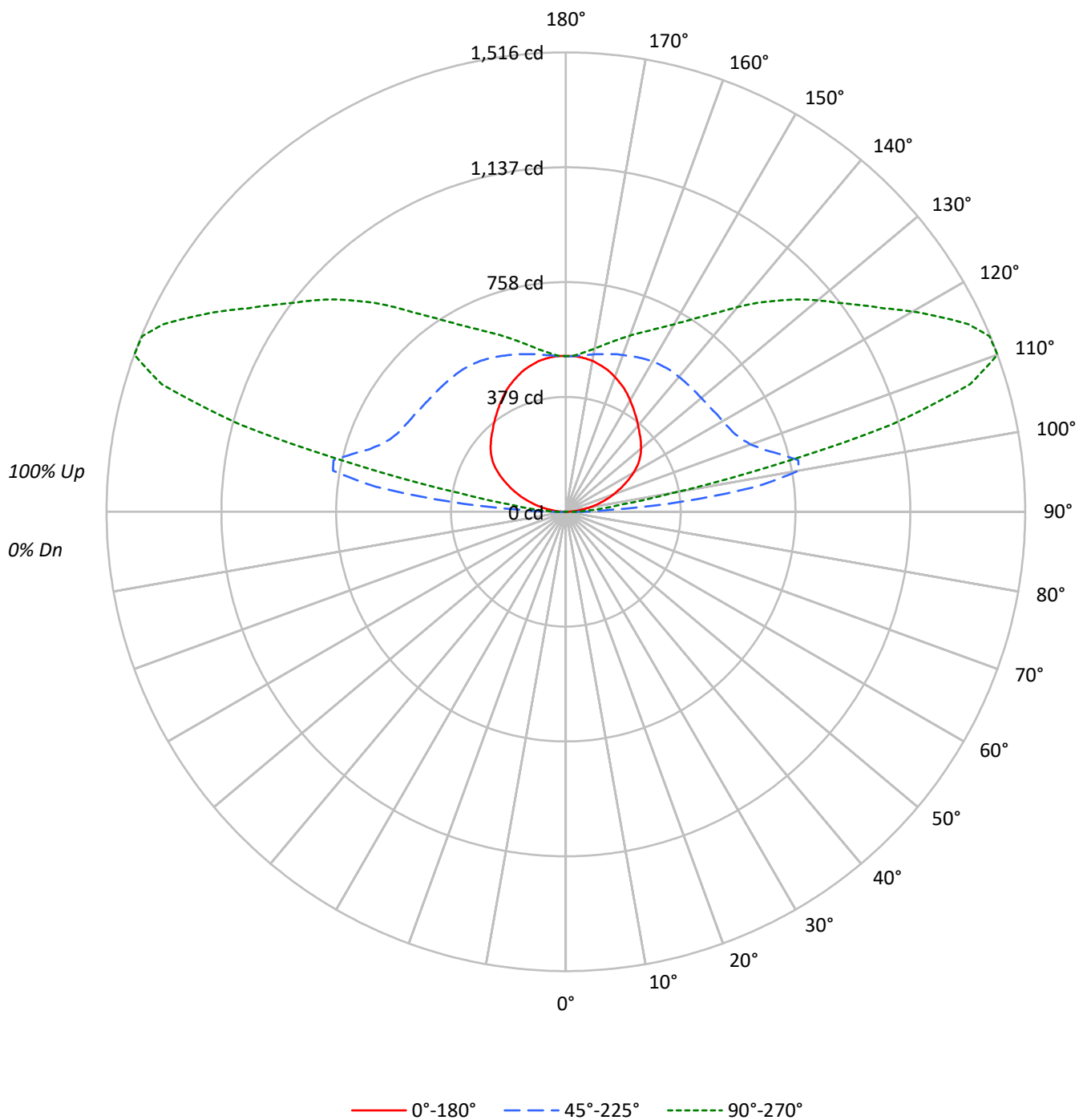
Lumens per Lamp: N/A
Luminaire Lumens: 3581.0 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Indirect

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				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	8	8	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	7	7	7	0
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	6	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	5	5	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	4	4	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	4	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	3	3	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	3	3	3	0
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	3	3	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	2	2	2	0

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°	3.3	0.1
90°-100°	200.3	5.6
100°-110°	705.3	19.7
110°-120°	740.7	20.7
120°-130°	609.4	17.0
130°-140°	489.5	13.7
140°-150°	369.8	10.3
150°-160°	260.0	7.3
160°-170°	153.0	4.3
170°-180°	49.8	1.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	3.3	0.1
90°-120°	1646.3	46.0
90°-150°	3115.0	87.0
90°-180°	3578.0	99.9
0°-180°	3581.0	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	34	32	33	2
95°	35	85	387	146	113	36
105°	120	182	732	1309	1113	128
115°	212	268	612	1264	1465	211
125°	296	351	589	1024	1188	263
135°	348	415	582	861	985	269
145°	397	456	579	719	786	249
155°	452	488	562	636	661	208
165°	492	507	538	571	580	139
175°	513	513	518	524	523	49
180°	514	514	514	514	514	



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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	4.0	7.9	9.9	11.9	14.8	19.8	26.7	32.6	33.6	32.6
92.5°	14.8	20.7	28.7	33.6	41.5	52.4	79.0	116.6	150.2	152.1	127.4
95°	34.6	38.5	48.4	57.3	73.1	96.8	142.3	228.2	342.8	387.3	338.9
97.5°	51.4	57.3	68.2	81.0	98.8	125.5	183.8	303.3	488.1	631.3	636.2
100°	76.1	79.0	87.9	103.7	123.5	151.2	203.5	324.1	537.5	780.5	922.8
102.5°	98.8	100.8	109.7	125.5	146.2	173.9	221.3	325.0	518.7	785.4	1029.5
105°	120.5	124.5	131.4	146.2	168.0	195.6	242.1	330.0	493.0	732.1	994.9
107.5°	144.2	147.2	154.1	168.0	189.7	217.4	262.8	340.8	479.2	682.7	921.8
110°	168.0	171.9	177.8	190.7	211.4	240.1	283.5	354.7	475.2	649.1	853.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	189.7	193.6	200.6	212.4	232.2	261.8	303.3	369.5	476.2	627.4	806.2
115°	212.4	217.4	223.3	235.1	254.9	281.6	324.1	384.3	480.1	612.5	768.6
117.5°	236.1	240.1	246.0	256.9	275.6	303.3	342.8	400.1	486.1	604.6	742.9
120°	257.9	261.8	267.7	276.6	296.4	324.1	362.6	415.9	492.0	597.7	723.2
122.5°	278.6	281.6	287.5	297.4	317.1	345.8	381.4	429.8	498.9	593.8	706.4
125°	296.4	299.4	305.3	317.1	336.9	364.6	400.1	444.6	505.8	588.8	690.6
127.5°	311.2	315.2	323.1	335.9	354.7	383.3	417.9	458.4	512.8	585.9	675.8
130°	324.1	328.0	337.9	351.7	371.5	399.1	433.7	471.3	520.7	583.9	660.9
132.5°	335.9	340.8	351.7	366.5	387.3	414.9	447.5	484.1	528.6	582.9	649.1
135°	347.8	351.7	363.6	378.4	401.1	428.8	460.4	495.0	534.5	581.9	638.2
137.5°	358.6	363.6	375.4	391.2	414.0	439.6	471.3	503.9	540.4	581.9	630.3
140°	371.5	375.4	387.3	403.1	424.8	450.5	480.1	510.8	544.4	580.9	623.4
142.5°	384.3	387.3	398.1	414.0	434.7	458.4	487.1	516.7	547.3	580.9	616.5
145°	397.2	401.1	411.0	425.8	445.6	467.3	494.0	521.6	549.3	578.9	610.6
147.5°	411.0	414.0	423.8	437.7	454.5	474.2	499.9	524.6	550.3	576.0	604.6
150°	424.8	427.8	435.7	448.5	463.4	481.1	503.9	526.6	549.3	573.0	596.7
152.5°	438.7	439.6	447.5	458.4	472.2	488.1	507.8	527.6	547.3	568.1	589.8
155°	451.5	452.5	458.4	469.3	480.1	495.0	511.8	528.6	545.4	562.2	580.9
157.5°	462.4	463.4	468.3	478.2	487.1	499.9	514.7	528.6	541.4	556.2	573.0
160°	473.2	474.2	478.2	486.1	494.0	504.8	516.7	528.6	538.4	550.3	564.1
162.5°	484.1	483.1	487.1	493.0	499.9	507.8	517.7	527.6	535.5	545.4	556.2
165°	492.0	491.0	493.0	498.9	503.9	509.8	518.7	525.6	531.5	538.4	547.3
167.5°	498.9	497.9	499.9	503.9	507.8	511.8	518.7	524.6	527.6	532.5	538.4
170°	505.8	503.9	504.8	507.8	509.8	512.8	517.7	522.6	524.6	527.6	531.5
172.5°	509.8	508.8	507.8	510.8	511.8	513.7	516.7	519.7	520.7	521.6	524.6
175°	512.8	511.8	510.8	512.8	512.8	513.7	515.7	517.7	516.7	517.7	518.7
177.5°	514.7	512.8	511.8	513.7	513.7	513.7	514.7	516.7	514.7	513.7	514.7
180°	513.7	513.7	513.7	513.7	513.7	513.7	513.7	513.7	513.7	513.7	513.7

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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°	31.6	29.6	31.6	32.6	32.6	32.6	32.6	32.6
92.5°	99.8	85.0	74.1	66.2	65.2	61.3	62.2	60.3
95°	258.8	198.6	157.1	135.4	122.5	114.6	111.6	112.6
97.5°	529.5	422.8	323.1	263.8	225.3	205.5	194.6	188.7
100°	902.0	779.5	644.2	524.6	442.6	400.1	371.5	353.7
102.5°	1146.0	1142.1	1052.2	923.7	832.9	752.8	715.3	689.6
105°	1200.4	1312.0	1324.9	1292.3	1231.0	1169.7	1127.3	1113.4
107.5°	1142.1	1308.1	1404.9	1444.4	1443.4	1434.5	1421.7	1399.0
110°	1062.1	1238.9	1365.4	1446.4	1488.9	1507.6	1516.5	1515.5

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	988.9	1156.9	1294.2	1390.1	1453.3	1487.9	1506.6	1513.6
115°	931.6	1083.8	1213.2	1315.0	1385.1	1430.6	1456.3	1465.1
117.5°	884.2	1020.6	1141.1	1237.9	1310.0	1358.4	1385.1	1392.0
120°	850.6	973.1	1077.9	1167.8	1236.9	1283.4	1312.0	1321.9
122.5°	824.0	933.6	1031.4	1110.5	1170.7	1216.2	1240.9	1248.8
125°	798.3	900.0	987.0	1061.1	1118.4	1155.9	1180.6	1188.5
127.5°	772.6	866.4	949.4	1018.6	1069.0	1104.5	1126.3	1132.2
130°	747.9	832.9	910.9	976.1	1024.5	1058.1	1077.9	1085.8
132.5°	724.2	801.2	871.4	931.6	979.1	1012.7	1030.4	1037.4
135°	702.4	767.6	832.9	888.2	930.7	963.3	981.0	985.0
137.5°	684.7	741.0	794.3	843.7	884.2	912.9	928.7	934.6
140°	667.9	715.3	760.7	804.2	835.8	861.5	876.3	882.2
142.5°	654.0	692.6	730.1	764.7	794.3	817.0	829.9	829.9
145°	641.2	673.8	704.4	733.1	756.8	773.6	783.5	786.4
147.5°	631.3	658.0	682.7	704.4	725.2	739.0	745.9	747.9
150°	620.4	642.2	662.9	680.7	695.5	707.4	713.3	714.3
152.5°	609.6	629.3	646.1	660.9	671.8	681.7	685.6	685.6
155°	599.7	615.5	630.3	641.2	652.1	659.0	662.9	660.9
157.5°	587.8	601.7	614.5	623.4	631.3	637.2	639.2	639.2
160°	577.0	587.8	598.7	605.6	612.5	617.5	618.5	618.5
162.5°	566.1	575.0	583.9	588.8	595.7	598.7	599.7	598.7
165°	555.2	562.2	569.1	573.0	577.0	580.9	580.9	579.9
167.5°	544.4	550.3	555.2	559.2	561.2	563.1	563.1	562.2
170°	536.5	539.4	543.4	545.4	546.3	549.3	548.3	546.3
172.5°	527.6	529.5	532.5	533.5	534.5	535.5	534.5	533.5
175°	521.6	522.6	523.6	524.6	524.6	525.6	524.6	522.6
177.5°	516.7	516.7	517.7	517.7	517.7	517.7	516.7	514.7
180°	513.7	513.7	513.7	513.7	513.7	513.7	513.7	513.7

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