

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: P1007808

Luminaire Tested: S125IP-B1270UB2750-4F0-XX-W2A-4_3000K

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007808
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-B1270UB2750-4F0-XX-W2A-4_3000K
Description: Define 5 Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

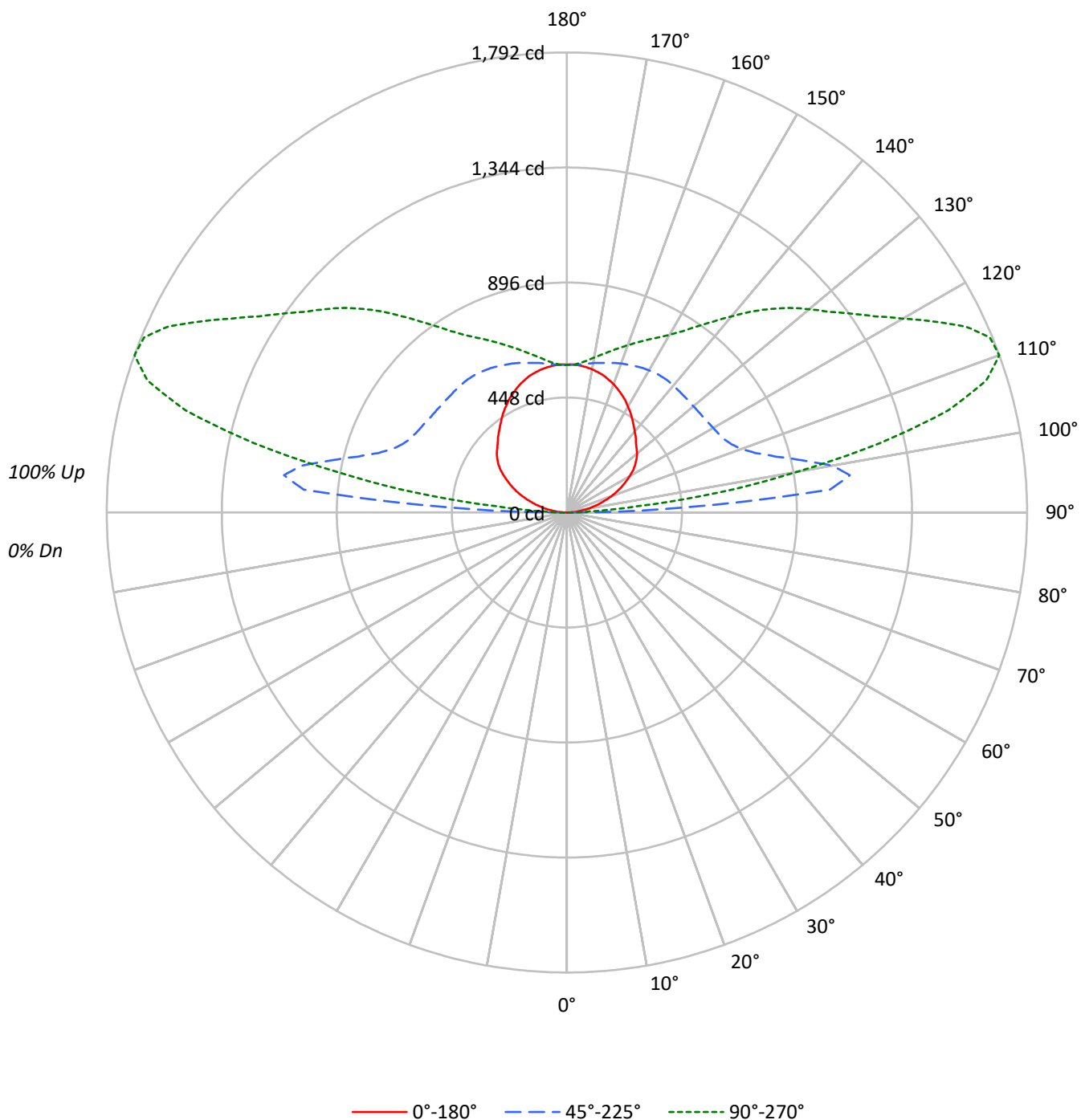
Lumens per Lamp: N/A
Luminaire Lumens: 4328.0 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 35
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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CATALOG NUMBER: S125IP-B1270UB2750-4F0-XX-W2A-4_3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1007808

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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°	2.3	0.1
90°-100°	418.9	9.7
100°-110°	903.4	20.9
110°-120°	842.2	19.5
120°-130°	682.1	15.8
130°-140°	547.7	12.7
140°-150°	413.1	9.5
150°-160°	290.9	6.7
160°-170°	171.5	4.0
170°-180°	55.8	1.3
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.3	0.1
90°-120°	2164.5	50.0
90°-150°	3807.5	88.0
90°-180°	4326.0	100.0
0°-180°	4328.0	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	10	19	24	27	3
95°	38	113	1029	467	273	40
105°	131	183	842	1658	1538	138
115°	234	283	676	1457	1714	231
125°	325	381	648	1159	1350	289
135°	381	458	643	971	1122	296
145°	444	508	646	804	885	278
155°	506	545	629	711	742	233
165°	553	568	604	640	650	156
175°	575	575	579	586	584	55
180°	576	576	576	576	576	

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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°	1.2	2.3	4.6	7.0	9.3	11.6	12.8	15.1	16.3	18.6	19.7
92.5°	17.4	20.9	32.5	49.9	74.3	116.1	195.1	327.4	471.4	463.3	373.9
95°	38.3	39.5	48.8	61.5	87.1	139.3	263.6	519.0	839.5	1028.8	1006.7
97.5°	59.2	60.4	67.3	80.1	103.3	141.7	227.6	423.8	769.8	1111.2	1257.5
100°	81.3	83.6	88.2	101.0	123.1	157.9	225.3	376.2	668.8	1048.5	1338.8
102.5°	105.7	106.8	110.3	124.2	144.0	177.7	235.7	356.5	592.2	938.2	1290.0
105°	131.2	131.2	137.0	148.6	167.2	199.7	250.8	354.1	548.1	841.8	1175.1
107.5°	155.6	157.9	163.7	173.0	192.7	221.8	271.7	362.3	524.8	769.8	1065.9
110°	182.3	184.6	189.3	199.7	217.1	247.3	294.9	375.0	515.5	722.2	975.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	209.0	211.3	214.8	225.3	242.7	271.7	317.0	391.3	515.5	694.4	908.0
115°	234.5	236.9	240.4	250.8	268.2	297.2	340.2	407.6	519.0	675.8	862.7
117.5°	257.8	261.3	264.7	275.2	294.9	322.8	363.4	426.1	524.8	665.3	832.5
120°	281.0	284.5	289.1	299.6	319.3	348.3	389.0	444.7	534.1	658.4	808.1
122.5°	305.4	307.7	311.2	321.6	343.7	372.7	413.4	465.6	542.2	652.6	787.2
125°	325.1	327.4	333.2	343.7	365.8	395.9	434.3	484.2	551.5	647.9	768.7
127.5°	341.4	344.9	351.8	364.6	387.8	418.0	455.2	501.6	562.0	645.6	751.2
130°	356.5	359.9	369.2	384.3	408.7	438.9	474.9	519.0	571.3	643.3	733.8
132.5°	368.1	372.7	384.3	401.7	427.3	457.5	493.5	534.1	581.7	643.3	719.9
135°	380.8	385.5	399.4	418.0	442.4	473.7	509.7	548.1	591.0	643.3	709.4
137.5°	397.1	400.6	413.4	431.9	456.3	488.8	521.3	558.5	600.3	644.4	699.0
140°	411.0	414.5	428.5	447.0	469.1	500.4	534.1	569.0	606.1	645.6	692.0
142.5°	427.3	429.6	442.4	461.0	481.9	510.9	542.2	574.8	609.6	646.7	686.2
145°	443.5	445.9	457.5	473.7	494.6	521.3	551.5	580.6	611.9	645.6	680.4
147.5°	461.0	462.1	472.6	487.7	506.3	530.6	557.3	584.0	613.1	643.3	674.6
150°	476.1	478.4	486.5	501.6	517.9	537.6	563.1	587.5	613.1	639.8	667.6
152.5°	492.3	493.5	500.4	513.2	528.3	545.7	569.0	589.9	611.9	635.1	659.5
155°	506.3	506.3	513.2	524.8	536.4	552.7	572.4	591.0	609.6	629.3	650.2
157.5°	519.0	519.0	524.8	535.3	545.7	558.5	575.9	592.2	607.3	623.5	642.1
160°	531.8	530.6	535.3	543.4	552.7	563.1	578.2	592.2	603.8	617.7	631.7
162.5°	542.2	541.1	545.7	552.7	559.7	567.8	580.6	591.0	600.3	610.8	622.4
165°	552.7	550.4	553.9	559.7	564.3	571.3	580.6	589.9	596.8	603.8	613.1
167.5°	559.7	558.5	560.8	564.3	567.8	572.4	580.6	587.5	591.0	596.8	603.8
170°	566.6	565.5	566.6	569.0	571.3	574.8	580.6	585.2	587.5	591.0	595.7
172.5°	571.3	569.0	570.1	572.4	573.6	574.8	579.4	582.9	582.9	584.0	587.5
175°	574.8	572.4	573.6	574.8	574.8	574.8	578.2	580.6	579.4	579.4	580.6
177.5°	577.1	574.8	574.8	575.9	574.8	574.8	577.1	578.2	575.9	575.9	577.1
180°	575.9	575.9	575.9	575.9	575.9	575.9	575.9	575.9	575.9	575.9	575.9

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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°	20.9	22.1	23.2	25.5	25.5	25.5	26.7	26.7
92.5°	252.0	181.1	134.7	112.6	94.1	90.6	88.2	85.9
95°	834.8	658.4	515.5	418.0	335.6	300.7	291.4	272.9
97.5°	1197.1	1056.6	912.6	773.3	703.6	643.3	611.9	598.0
100°	1428.2	1371.3	1251.7	1130.9	1050.8	967.2	924.3	905.7
102.5°	1506.0	1564.0	1522.2	1450.2	1363.2	1309.7	1262.1	1249.4
105°	1453.7	1612.8	1663.9	1651.1	1614.0	1575.6	1552.4	1538.5
107.5°	1346.9	1557.1	1680.1	1731.2	1741.7	1735.9	1724.3	1712.7
110°	1226.1	1446.8	1610.5	1709.2	1761.4	1783.5	1791.6	1791.6

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	1130.9	1337.6	1503.7	1624.4	1706.9	1748.7	1771.9	1782.3
115°	1054.3	1234.3	1393.4	1519.9	1610.5	1666.2	1698.7	1713.8
117.5°	1000.9	1160.0	1299.3	1418.9	1510.6	1568.7	1601.2	1610.5
120°	959.1	1098.4	1226.1	1328.3	1414.3	1470.0	1501.3	1510.6
122.5°	927.7	1054.3	1164.6	1258.7	1333.0	1382.9	1414.3	1422.4
125°	897.5	1016.0	1117.0	1200.6	1265.6	1313.2	1338.8	1350.4
127.5°	866.2	978.8	1074.0	1153.0	1212.2	1255.2	1279.6	1284.2
130°	837.2	939.4	1029.9	1105.4	1163.4	1201.8	1225.0	1232.0
132.5°	808.1	902.2	982.3	1054.3	1112.4	1150.7	1171.6	1179.7
135°	783.8	863.9	938.2	1004.4	1055.5	1093.8	1114.7	1121.6
137.5°	761.7	829.0	892.9	951.0	997.4	1033.4	1053.1	1061.3
140°	744.3	798.9	852.3	901.0	944.0	974.2	991.6	997.4
142.5°	729.2	773.3	817.4	858.1	892.9	917.3	933.5	938.2
145°	716.4	752.4	788.4	819.8	847.6	867.4	880.1	884.8
147.5°	703.6	733.8	762.9	787.2	810.5	826.7	834.8	837.2
150°	693.2	718.7	740.8	761.7	779.1	793.0	797.7	798.9
152.5°	681.6	703.6	723.4	738.5	752.4	762.9	767.5	768.7
155°	670.0	688.5	704.8	717.6	729.2	737.3	740.8	742.0
157.5°	658.4	674.6	687.4	697.8	707.1	714.1	717.6	717.6
160°	646.7	658.4	670.0	678.1	686.2	692.0	694.4	693.2
162.5°	634.0	644.4	653.7	660.7	666.5	671.1	671.1	671.1
165°	622.4	630.5	637.5	643.3	647.9	650.2	650.2	650.2
167.5°	610.8	616.6	622.4	627.0	629.3	631.7	630.5	630.5
170°	601.5	604.9	608.4	610.8	613.1	614.2	614.2	613.1
172.5°	591.0	594.5	596.8	598.0	598.0	600.3	598.0	596.8
175°	584.0	584.0	586.4	586.4	586.4	587.5	585.2	584.0
177.5°	578.2	579.4	579.4	579.4	578.2	579.4	575.9	575.9
180°	575.9	575.9	575.9	575.9	575.9	575.9	575.9	575.9

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