

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: P1007389

Luminaire Tested: S122IP-B530UB2750-4F0-XX-W2A-4_3500K

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007389
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-B530UB2750-4F0-XX-W2A-4_3500K
Description: Define 2 Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

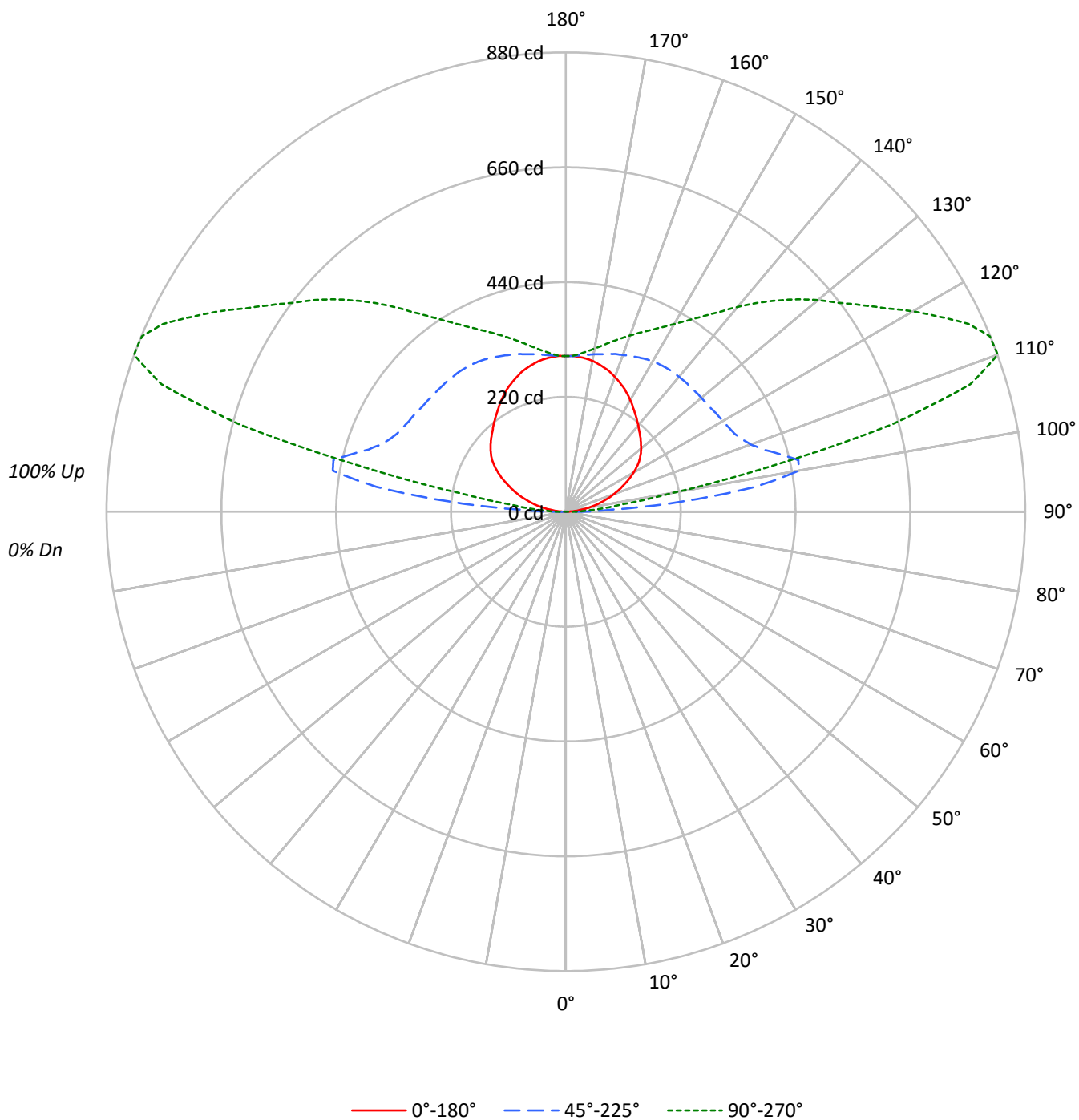
Lumens per Lamp: N/A
Luminaire Lumens: 2080.0 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Indirect

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

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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			0
RW	70	50	30	10	70	50	30	10	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	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	8	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	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	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	5	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	4	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	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	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	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	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	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°	1.9	0.1
90°-100°	116.3	5.6
100°-110°	409.7	19.7
110°-120°	430.2	20.7
120°-130°	354.0	17.0
130°-140°	284.3	13.7
140°-150°	214.8	10.3
150°-160°	151.0	7.3
160°-170°	88.9	4.3
170°-180°	28.9	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°	956.2	46.0
90°-150°	1809.3	87.0
90°-180°	2078.0	99.9
0°-180°	2080.0	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	20	19	19	1
95°	20	49	225	85	65	21
105°	70	106	425	760	647	74
115°	123	156	356	734	851	122
125°	172	204	342	595	690	153
135°	202	241	338	500	572	156
145°	231	265	336	418	457	145
155°	262	283	326	369	384	121
165°	286	294	313	332	337	81
175°	298	298	301	304	304	28
180°	298	298	298	298	298	

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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°	0.6	2.3	4.6	5.7	6.9	8.6	11.5	15.5	18.9	19.5	18.9
92.5°	8.6	12.1	16.6	19.5	24.1	30.4	45.9	67.7	87.2	88.4	74.0
95°	20.1	22.4	28.1	33.3	42.5	56.2	82.6	132.6	199.1	224.9	196.8
97.5°	29.8	33.3	39.6	47.1	57.4	72.9	106.7	176.2	283.5	366.7	369.6
100°	44.2	45.9	51.1	60.3	71.7	87.8	118.2	188.2	312.2	453.3	536.0
102.5°	57.4	58.5	63.7	72.9	84.9	101.0	128.5	188.8	301.3	456.2	598.0
105°	70.0	72.3	76.3	84.9	97.6	113.6	140.6	191.7	286.4	425.2	577.9
107.5°	83.8	85.5	89.5	97.6	110.2	126.2	152.6	198.0	278.3	396.5	535.4
110°	97.6	99.9	103.3	110.8	122.8	139.4	164.7	206.0	276.0	377.0	495.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	110.2	112.5	116.5	123.4	134.9	152.1	176.2	214.6	276.6	364.4	468.3
115°	123.4	126.2	129.7	136.6	148.1	163.5	188.2	223.2	278.9	355.8	446.5
117.5°	137.2	139.4	142.9	149.2	160.1	176.2	199.1	232.4	282.3	351.2	431.5
120°	149.8	152.1	155.5	160.7	172.2	188.2	210.6	241.6	285.8	347.2	420.1
122.5°	161.8	163.5	167.0	172.7	184.2	200.8	221.5	249.6	289.8	344.9	410.3
125°	172.2	173.9	177.3	184.2	195.7	211.8	232.4	258.2	293.8	342.0	401.1
127.5°	180.8	183.1	187.6	195.1	206.0	222.7	242.7	266.3	297.8	340.3	392.5
130°	188.2	190.5	196.3	204.3	215.8	231.8	251.9	273.7	302.4	339.1	383.9
132.5°	195.1	198.0	204.3	212.9	224.9	241.0	260.0	281.2	307.0	338.6	377.0
135°	202.0	204.3	211.2	219.8	233.0	249.1	267.4	287.5	310.5	338.0	370.7
137.5°	208.3	211.2	218.1	227.2	240.4	255.4	273.7	292.7	313.9	338.0	366.1
140°	215.8	218.1	224.9	234.1	246.8	261.7	278.9	296.7	316.2	337.4	362.1
142.5°	223.2	224.9	231.3	240.4	252.5	266.3	282.9	300.1	317.9	337.4	358.1
145°	230.7	233.0	238.7	247.3	258.8	271.4	286.9	303.0	319.1	336.3	354.6
147.5°	238.7	240.4	246.2	254.2	264.0	275.4	290.4	304.7	319.6	334.6	351.2
150°	246.8	248.5	253.1	260.5	269.1	279.5	292.7	305.9	319.1	332.8	346.6
152.5°	254.8	255.4	260.0	266.3	274.3	283.5	295.0	306.4	317.9	330.0	342.6
155°	262.2	262.8	266.3	272.6	278.9	287.5	297.3	307.0	316.8	326.5	337.4
157.5°	268.6	269.1	272.0	277.7	282.9	290.4	299.0	307.0	314.5	323.1	332.8
160°	274.9	275.4	277.7	282.3	286.9	293.2	300.1	307.0	312.7	319.6	327.7
162.5°	281.2	280.6	282.9	286.4	290.4	295.0	300.7	306.4	311.0	316.8	323.1
165°	285.8	285.2	286.4	289.8	292.7	296.1	301.3	305.3	308.7	312.7	317.9
167.5°	289.8	289.2	290.4	292.7	295.0	297.3	301.3	304.7	306.4	309.3	312.7
170°	293.8	292.7	293.2	295.0	296.1	297.8	300.7	303.6	304.7	306.4	308.7
172.5°	296.1	295.5	295.0	296.7	297.3	298.4	300.1	301.8	302.4	303.0	304.7
175°	297.8	297.3	296.7	297.8	297.8	298.4	299.6	300.7	300.1	300.7	301.3
177.5°	299.0	297.8	297.3	298.4	298.4	298.4	299.0	300.1	299.0	298.4	299.0
180°	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4

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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°	18.4	17.2	18.4	18.9	18.9	18.9	18.9	18.9
92.5°	58.0	49.4	43.0	38.4	37.9	35.6	36.2	35.0
95°	150.3	115.3	91.2	78.6	71.2	66.6	64.8	65.4
97.5°	307.6	245.6	187.6	153.2	130.8	119.4	113.0	109.6
100°	523.9	452.8	374.2	304.7	257.1	232.4	215.8	205.4
102.5°	665.7	663.4	611.2	536.6	483.8	437.3	415.5	400.5
105°	697.2	762.1	769.5	750.6	715.0	679.4	654.8	646.7
107.5°	663.4	759.8	816.0	839.0	838.4	833.2	825.8	812.6
110°	616.9	719.6	793.1	840.1	864.8	875.7	880.9	880.3

TEST NUMBER: P1007389

CATALOG NUMBER: S122IP-B530UB2750-4F0-XX-W2A-4_3500K

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	574.4	672.0	751.7	807.4	844.1	864.2	875.1	879.1
115°	541.1	629.5	704.7	763.8	804.5	830.9	845.9	851.0
117.5°	513.6	592.8	662.8	719.0	760.9	789.0	804.5	808.6
120°	494.1	565.2	626.1	678.3	718.5	745.4	762.1	767.8
122.5°	478.6	542.3	599.1	645.0	680.0	706.4	720.8	725.3
125°	463.7	522.8	573.3	616.3	649.6	671.4	685.8	690.3
127.5°	448.8	503.3	551.5	591.6	620.9	641.6	654.2	657.6
130°	434.4	483.8	529.1	567.0	595.1	614.6	626.1	630.7
132.5°	420.6	465.4	506.1	541.1	568.7	588.2	598.5	602.5
135°	408.0	445.9	483.8	515.9	540.6	559.5	569.8	572.1
137.5°	397.7	430.4	461.4	490.1	513.6	530.2	539.4	542.9
140°	387.9	415.5	441.9	467.1	485.5	500.4	509.0	512.4
142.5°	379.9	402.3	424.1	444.2	461.4	474.6	482.0	482.0
145°	372.4	391.4	409.2	425.8	439.6	449.3	455.1	456.8
147.5°	366.7	382.2	396.5	409.2	421.2	429.2	433.3	434.4
150°	360.4	373.0	385.1	395.4	404.0	410.9	414.3	414.9
152.5°	354.1	365.5	375.3	383.9	390.2	396.0	398.3	398.3
155°	348.3	357.5	366.1	372.4	378.7	382.8	385.1	383.9
157.5°	341.4	349.5	356.9	362.1	366.7	370.1	371.3	371.3
160°	335.1	341.4	347.8	351.8	355.8	358.7	359.2	359.2
162.5°	328.8	334.0	339.1	342.0	346.0	347.8	348.3	347.8
165°	322.5	326.5	330.5	332.8	335.1	337.4	337.4	336.9
167.5°	316.2	319.6	322.5	324.8	325.9	327.1	327.1	326.5
170°	311.6	313.3	315.6	316.8	317.3	319.1	318.5	317.3
172.5°	306.4	307.6	309.3	309.9	310.5	311.0	310.5	309.9
175°	303.0	303.6	304.1	304.7	304.7	305.3	304.7	303.6
177.5°	300.1	300.1	300.7	300.7	300.7	300.7	300.1	299.0
180°	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4

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