

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: P1007388

Luminaire Tested: S122IP-B530UB2750-4F0-XX-W2A-4_3000K

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007388
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_3000K
Description: Define 2 Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

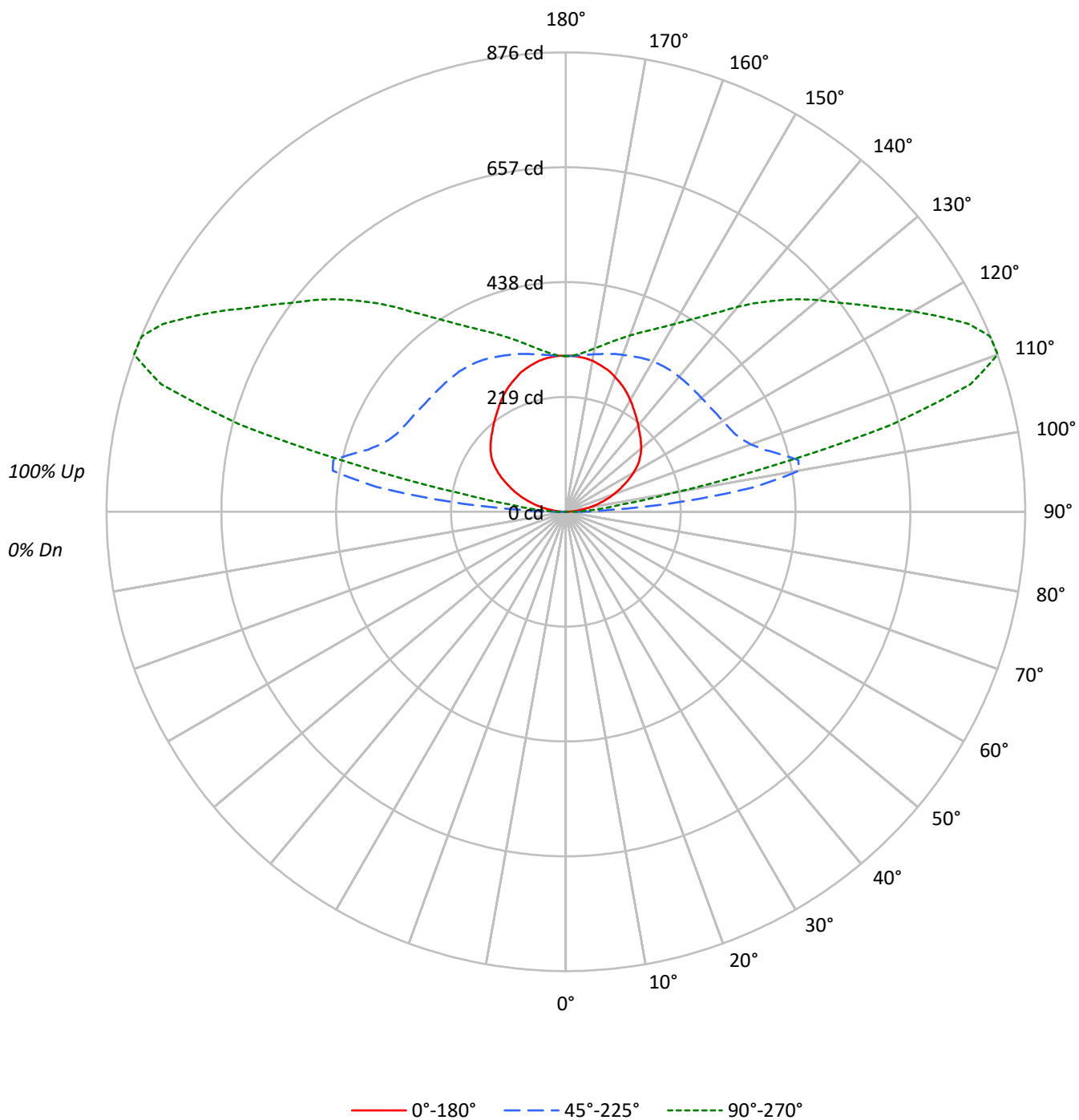
Lumens per Lamp: N/A
Luminaire Lumens: 2071.0 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Indirect

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				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°	1.9	0.1
90°-100°	115.8	5.6
100°-110°	407.9	19.7
110°-120°	428.4	20.7
120°-130°	352.4	17.0
130°-140°	283.1	13.7
140°-150°	213.9	10.3
150°-160°	150.3	7.3
160°-170°	88.5	4.3
170°-180°	28.8	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°	952.1	46.0
90°-150°	1801.5	87.0
90°-180°	2069.0	99.9
0°-180°	2071.0	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	19	19	1
95°	20	49	224	85	65	21
105°	70	105	423	757	644	74
115°	123	155	354	731	847	122
125°	171	203	340	592	687	152
135°	201	240	336	498	570	155
145°	230	264	335	416	455	144
155°	261	282	325	368	382	120
165°	284	293	311	330	335	80
175°	296	297	299	303	302	28
180°	297	297	297	297	297	

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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	11.4	15.4	18.9	19.4	18.9
92.5°	8.6	12.0	16.6	19.4	24.0	30.3	45.7	67.4	86.8	88.0	73.7
95°	20.0	22.3	28.0	33.1	42.3	56.0	82.3	132.0	198.3	224.0	196.0
97.5°	29.7	33.1	39.4	46.9	57.1	72.6	106.3	175.4	282.3	365.1	368.0
100°	44.0	45.7	50.9	60.0	71.4	87.4	117.7	187.4	310.8	451.4	533.7
102.5°	57.1	58.3	63.4	72.6	84.6	100.6	128.0	188.0	300.0	454.2	595.4
105°	69.7	72.0	76.0	84.6	97.1	113.1	140.0	190.8	285.1	423.4	575.4
107.5°	83.4	85.1	89.1	97.1	109.7	125.7	152.0	197.1	277.1	394.8	533.1
110°	97.1	99.4	102.8	110.3	122.3	138.8	164.0	205.1	274.8	375.4	493.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	109.7	112.0	116.0	122.8	134.3	151.4	175.4	213.7	275.4	362.8	466.2
115°	122.8	125.7	129.1	136.0	147.4	162.8	187.4	222.3	277.7	354.2	444.5
117.5°	136.6	138.8	142.3	148.6	159.4	175.4	198.3	231.4	281.1	349.7	429.7
120°	149.1	151.4	154.8	160.0	171.4	187.4	209.7	240.5	284.5	345.7	418.2
122.5°	161.1	162.8	166.3	172.0	183.4	200.0	220.5	248.5	288.5	343.4	408.5
125°	171.4	173.1	176.6	183.4	194.8	210.8	231.4	257.1	292.5	340.5	399.4
127.5°	180.0	182.3	186.8	194.3	205.1	221.7	241.7	265.1	296.5	338.8	390.8
130°	187.4	189.7	195.4	203.4	214.8	230.8	250.8	272.5	301.1	337.7	382.2
132.5°	194.3	197.1	203.4	212.0	224.0	240.0	258.8	280.0	305.7	337.1	375.4
135°	201.1	203.4	210.3	218.8	232.0	248.0	266.3	286.3	309.1	336.5	369.1
137.5°	207.4	210.3	217.1	226.3	239.4	254.3	272.5	291.4	312.5	336.5	364.5
140°	214.8	217.1	224.0	233.1	245.7	260.5	277.7	295.4	314.8	336.0	360.5
142.5°	222.3	224.0	230.3	239.4	251.4	265.1	281.7	298.8	316.5	336.0	356.5
145°	229.7	232.0	237.7	246.3	257.7	270.3	285.7	301.7	317.7	334.8	353.1
147.5°	237.7	239.4	245.1	253.1	262.8	274.3	289.1	303.4	318.3	333.1	349.7
150°	245.7	247.4	252.0	259.4	268.0	278.3	291.4	304.5	317.7	331.4	345.1
152.5°	253.7	254.3	258.8	265.1	273.1	282.3	293.7	305.1	316.5	328.5	341.1
155°	261.1	261.7	265.1	271.4	277.7	286.3	296.0	305.7	315.4	325.1	336.0
157.5°	267.4	268.0	270.8	276.5	281.7	289.1	297.7	305.7	313.1	321.7	331.4
160°	273.7	274.3	276.5	281.1	285.7	292.0	298.8	305.7	311.4	318.3	326.3
162.5°	280.0	279.4	281.7	285.1	289.1	293.7	299.4	305.1	309.7	315.4	321.7
165°	284.5	284.0	285.1	288.5	291.4	294.8	300.0	304.0	307.4	311.4	316.5
167.5°	288.5	288.0	289.1	291.4	293.7	296.0	300.0	303.4	305.1	308.0	311.4
170°	292.5	291.4	292.0	293.7	294.8	296.5	299.4	302.3	303.4	305.1	307.4
172.5°	294.8	294.3	293.7	295.4	296.0	297.1	298.8	300.5	301.1	301.7	303.4
175°	296.5	296.0	295.4	296.5	296.5	297.1	298.3	299.4	298.8	299.4	300.0
177.5°	297.7	296.5	296.0	297.1	297.1	297.1	297.7	298.8	297.7	297.1	297.7
180°	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1

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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°	18.3	17.1	18.3	18.9	18.9	18.9	18.9	18.9
92.5°	57.7	49.1	42.9	38.3	37.7	35.4	36.0	34.9
95°	149.7	114.8	90.8	78.3	70.8	66.3	64.6	65.1
97.5°	306.3	244.5	186.8	152.6	130.3	118.8	112.6	109.1
100°	521.7	450.8	372.5	303.4	256.0	231.4	214.8	204.5
102.5°	662.8	660.5	608.5	534.2	481.7	435.4	413.7	398.8
105°	694.2	758.8	766.2	747.3	711.9	676.5	651.9	643.9
107.5°	660.5	756.5	812.5	835.3	834.8	829.6	822.2	809.1
110°	614.2	716.5	789.6	836.5	861.1	871.9	877.0	876.5

TEST NUMBER: P1007388

CATALOG NUMBER: S122IP-B530UB2750-4F0-XX-W2A-4_3000K

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	571.9	669.1	748.5	803.9	840.5	860.5	871.3	875.3
115°	538.8	626.8	701.6	760.5	801.1	827.3	842.2	847.3
117.5°	511.4	590.2	659.9	715.9	757.6	785.6	801.1	805.1
120°	491.9	562.8	623.4	675.4	715.4	742.2	758.8	764.5
122.5°	476.5	539.9	596.5	642.2	677.1	703.4	717.6	722.2
125°	461.7	520.5	570.8	613.6	646.8	668.5	682.8	687.4
127.5°	446.8	501.1	549.1	589.1	618.2	638.8	651.4	654.8
130°	432.5	481.7	526.8	564.5	592.5	611.9	623.4	627.9
132.5°	418.8	463.4	503.9	538.8	566.2	585.7	595.9	599.9
135°	406.2	444.0	481.7	513.7	538.2	557.1	567.4	569.7
137.5°	396.0	428.5	459.4	487.9	511.4	527.9	537.1	540.5
140°	386.2	413.7	440.0	465.1	483.4	498.2	506.8	510.2
142.5°	378.2	400.5	422.2	442.2	459.4	472.5	479.9	479.9
145°	370.8	389.7	407.4	424.0	437.7	447.4	453.1	454.8
147.5°	365.1	380.5	394.8	407.4	419.4	427.4	431.4	432.5
150°	358.8	371.4	383.4	393.7	402.2	409.1	412.5	413.1
152.5°	352.5	364.0	373.7	382.2	388.5	394.2	396.5	396.5
155°	346.8	356.0	364.5	370.8	377.1	381.1	383.4	382.2
157.5°	340.0	348.0	355.4	360.5	365.1	368.5	369.7	369.7
160°	333.7	340.0	346.2	350.2	354.2	357.1	357.7	357.7
162.5°	327.4	332.5	337.7	340.5	344.5	346.2	346.8	346.2
165°	321.1	325.1	329.1	331.4	333.7	336.0	336.0	335.4
167.5°	314.8	318.3	321.1	323.4	324.5	325.7	325.7	325.1
170°	310.3	312.0	314.3	315.4	316.0	317.7	317.1	316.0
172.5°	305.1	306.3	308.0	308.5	309.1	309.7	309.1	308.5
175°	301.7	302.3	302.8	303.4	303.4	304.0	303.4	302.3
177.5°	298.8	298.8	299.4	299.4	299.4	299.4	298.8	297.7
180°	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1

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