

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: P1007421

Luminaire Tested: S122IP-B725UB2750-4F0-XX-W2A-4_5000K

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007421
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-B725UB2750-4F0-XX-W2A-4_5000K
Description: Define 2 Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

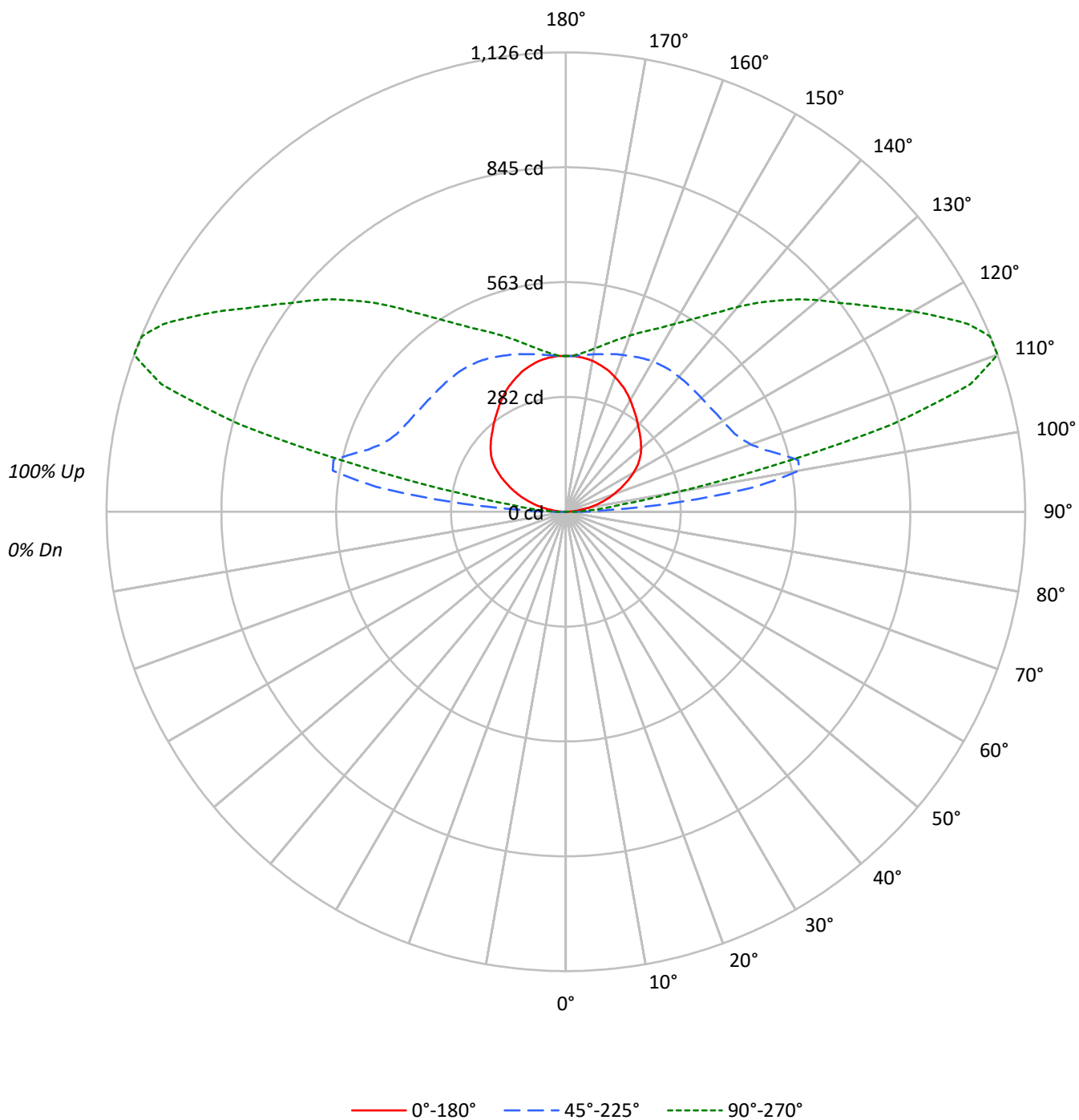
Lumens per Lamp: N/A
Luminaire Lumens: 2661.0 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 21.1
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: S122IP-B725UB2750-4F0-XX-W2A-4_5000K

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
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

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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°	2.5	0.1
90°-100°	148.8	5.6
100°-110°	524.1	19.7
110°-120°	550.4	20.7
120°-130°	452.8	17.0
130°-140°	363.8	13.7
140°-150°	274.8	10.3
150°-160°	193.2	7.3
160°-170°	113.7	4.3
170°-180°	37.0	1.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.5	0.1
90°-120°	1223.3	46.0
90°-150°	2314.7	87.0
90°-180°	2659.0	99.9
0°-180°	2661.0	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	25	24	24	2
95°	26	63	288	109	84	27
105°	90	135	544	972	827	95
115°	158	199	455	939	1089	157
125°	220	261	438	761	883	196
135°	258	308	432	639	732	200
145°	295	339	430	534	584	185
155°	336	362	418	472	491	154
165°	366	377	400	424	431	103
175°	381	381	385	389	388	36
180°	382	382	382	382	382	



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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°	0.7	2.9	5.9	7.3	8.8	11.0	14.7	19.8	24.2	25.0	24.2
92.5°	11.0	15.4	21.3	25.0	30.8	38.9	58.7	86.6	111.6	113.1	94.7
95°	25.7	28.6	36.0	42.6	54.3	71.9	105.7	169.6	254.7	287.8	251.8
97.5°	38.2	42.6	50.7	60.2	73.4	93.2	136.6	225.4	362.7	469.1	472.8
100°	56.5	58.7	65.3	77.1	91.8	112.3	151.2	240.8	399.4	580.0	685.7
102.5°	73.4	74.9	81.5	93.2	108.7	129.2	164.4	241.5	385.4	583.6	765.0
105°	89.6	92.5	97.6	108.7	124.8	145.4	179.9	245.2	366.3	544.0	739.3
107.5°	107.2	109.4	114.5	124.8	141.0	161.5	195.3	253.3	356.1	507.3	685.0
110°	124.8	127.7	132.1	141.7	157.1	178.4	210.7	263.6	353.1	482.3	634.3

TEST NUMBER: P1007421

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	141.0	143.9	149.0	157.8	172.5	194.5	225.4	274.6	353.9	466.2	599.1
115°	157.8	161.5	165.9	174.7	189.4	209.2	240.8	285.6	356.8	455.2	571.2
117.5°	175.5	178.4	182.8	190.9	204.8	225.4	254.7	297.3	361.2	449.3	552.1
120°	191.6	194.5	199.0	205.6	220.2	240.8	269.4	309.1	365.6	444.2	537.4
122.5°	207.0	209.2	213.6	221.0	235.7	256.9	283.4	319.4	370.7	441.2	524.9
125°	220.2	222.4	226.9	235.7	250.3	270.9	297.3	330.4	375.9	437.5	513.2
127.5°	231.3	234.2	240.1	249.6	263.6	284.8	310.5	340.6	381.0	435.3	502.2
130°	240.8	243.7	251.1	261.4	276.0	296.6	322.3	350.2	386.9	433.9	491.1
132.5°	249.6	253.3	261.4	272.4	287.8	308.3	332.6	359.7	392.8	433.1	482.3
135°	258.4	261.4	270.2	281.2	298.1	318.6	342.1	367.8	397.2	432.4	474.3
137.5°	266.5	270.2	279.0	290.7	307.6	326.7	350.2	374.4	401.6	432.4	468.4
140°	276.0	279.0	287.8	299.5	315.7	334.8	356.8	379.6	404.5	431.7	463.2
142.5°	285.6	287.8	295.9	307.6	323.0	340.6	361.9	384.0	406.7	431.7	458.1
145°	295.1	298.1	305.4	316.4	331.1	347.2	367.1	387.6	408.2	430.2	453.7
147.5°	305.4	307.6	314.9	325.2	337.7	352.4	371.5	389.8	408.9	428.0	449.3
150°	315.7	317.9	323.8	333.3	344.3	357.5	374.4	391.3	408.2	425.8	443.4
152.5°	326.0	326.7	332.6	340.6	350.9	362.7	377.3	392.0	406.7	422.1	438.3
155°	335.5	336.2	340.6	348.7	356.8	367.8	380.3	392.8	405.2	417.7	431.7
157.5°	343.6	344.3	348.0	355.3	361.9	371.5	382.5	392.8	402.3	413.3	425.8
160°	351.7	352.4	355.3	361.2	367.1	375.1	384.0	392.8	400.1	408.9	419.2
162.5°	359.7	359.0	361.9	366.3	371.5	377.3	384.7	392.0	397.9	405.2	413.3
165°	365.6	364.9	366.3	370.7	374.4	378.8	385.4	390.6	395.0	400.1	406.7
167.5°	370.7	370.0	371.5	374.4	377.3	380.3	385.4	389.8	392.0	395.7	400.1
170°	375.9	374.4	375.1	377.3	378.8	381.0	384.7	388.4	389.8	392.0	395.0
172.5°	378.8	378.1	377.3	379.6	380.3	381.8	384.0	386.2	386.9	387.6	389.8
175°	381.0	380.3	379.6	381.0	381.0	381.8	383.2	384.7	384.0	384.7	385.4
177.5°	382.5	381.0	380.3	381.8	381.8	381.8	382.5	384.0	382.5	381.8	382.5
180°	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8

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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°	23.5	22.0	23.5	24.2	24.2	24.2	24.2	24.2
92.5°	74.1	63.1	55.1	49.2	48.5	45.5	46.3	44.8
95°	192.3	147.6	116.7	100.6	91.0	85.2	83.0	83.7
97.5°	393.5	314.2	240.1	196.0	167.4	152.7	144.6	140.2
100°	670.3	579.2	478.7	389.8	328.9	297.3	276.0	262.8
102.5°	851.6	848.7	781.9	686.4	618.9	559.4	531.5	512.4
105°	892.0	974.9	984.5	960.3	914.7	869.2	837.7	827.4
107.5°	848.7	972.0	1044.0	1073.3	1072.6	1066.0	1056.4	1039.5
110°	789.2	920.6	1014.6	1074.8	1106.4	1120.3	1126.9	1126.2

TEST NUMBER: P1007421

CATALOG NUMBER: S122IP-B725UB2750-4F0-XX-W2A-4_5000K

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	734.9	859.7	961.7	1032.9	1079.9	1105.6	1119.6	1124.7
115°	692.3	805.4	901.5	977.1	1029.3	1063.0	1082.1	1088.7
117.5°	657.1	758.4	847.9	919.9	973.5	1009.4	1029.3	1034.4
120°	632.1	723.1	800.9	867.8	919.1	953.7	974.9	982.3
122.5°	612.3	693.8	766.4	825.2	870.0	903.7	922.1	928.0
125°	593.2	668.8	733.4	788.5	831.0	858.9	877.3	883.2
127.5°	574.1	643.8	705.5	756.9	794.3	820.8	836.9	841.3
130°	555.7	618.9	676.9	725.3	761.3	786.3	800.9	806.8
132.5°	538.1	595.4	647.5	692.3	727.5	752.5	765.7	770.8
135°	522.0	570.4	618.9	660.0	691.6	715.8	729.0	731.9
137.5°	508.8	550.6	590.3	627.0	657.1	678.3	690.1	694.5
140°	496.3	531.5	565.3	597.6	621.1	640.2	651.2	655.6
142.5°	486.0	514.6	542.5	568.2	590.3	607.1	616.7	616.7
145°	476.5	500.7	523.4	544.7	562.4	574.8	582.2	584.4
147.5°	469.1	488.9	507.3	523.4	538.9	549.1	554.3	555.7
150°	461.0	477.2	492.6	505.8	516.8	525.6	530.1	530.8
152.5°	453.0	467.6	480.1	491.1	499.2	506.6	509.5	509.5
155°	445.6	457.4	468.4	476.5	484.5	489.7	492.6	491.1
157.5°	436.8	447.1	456.6	463.2	469.1	473.5	475.0	475.0
160°	428.7	436.8	444.9	450.0	455.2	458.8	459.6	459.6
162.5°	420.7	427.3	433.9	437.5	442.7	444.9	445.6	444.9
165°	412.6	417.7	422.9	425.8	428.7	431.7	431.7	430.9
167.5°	404.5	408.9	412.6	415.5	417.0	418.5	418.5	417.7
170°	398.6	400.8	403.8	405.2	406.0	408.2	407.4	406.0
172.5°	392.0	393.5	395.7	396.4	397.2	397.9	397.2	396.4
175°	387.6	388.4	389.1	389.8	389.8	390.6	389.8	388.4
177.5°	384.0	384.0	384.7	384.7	384.7	384.7	384.0	382.5
180°	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8

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