

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: P1007418

Luminaire Tested: S122IP-B725UB2750-4F0-XX-W2A-4_3000K

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007418
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_3000K
Description: Define 2 Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

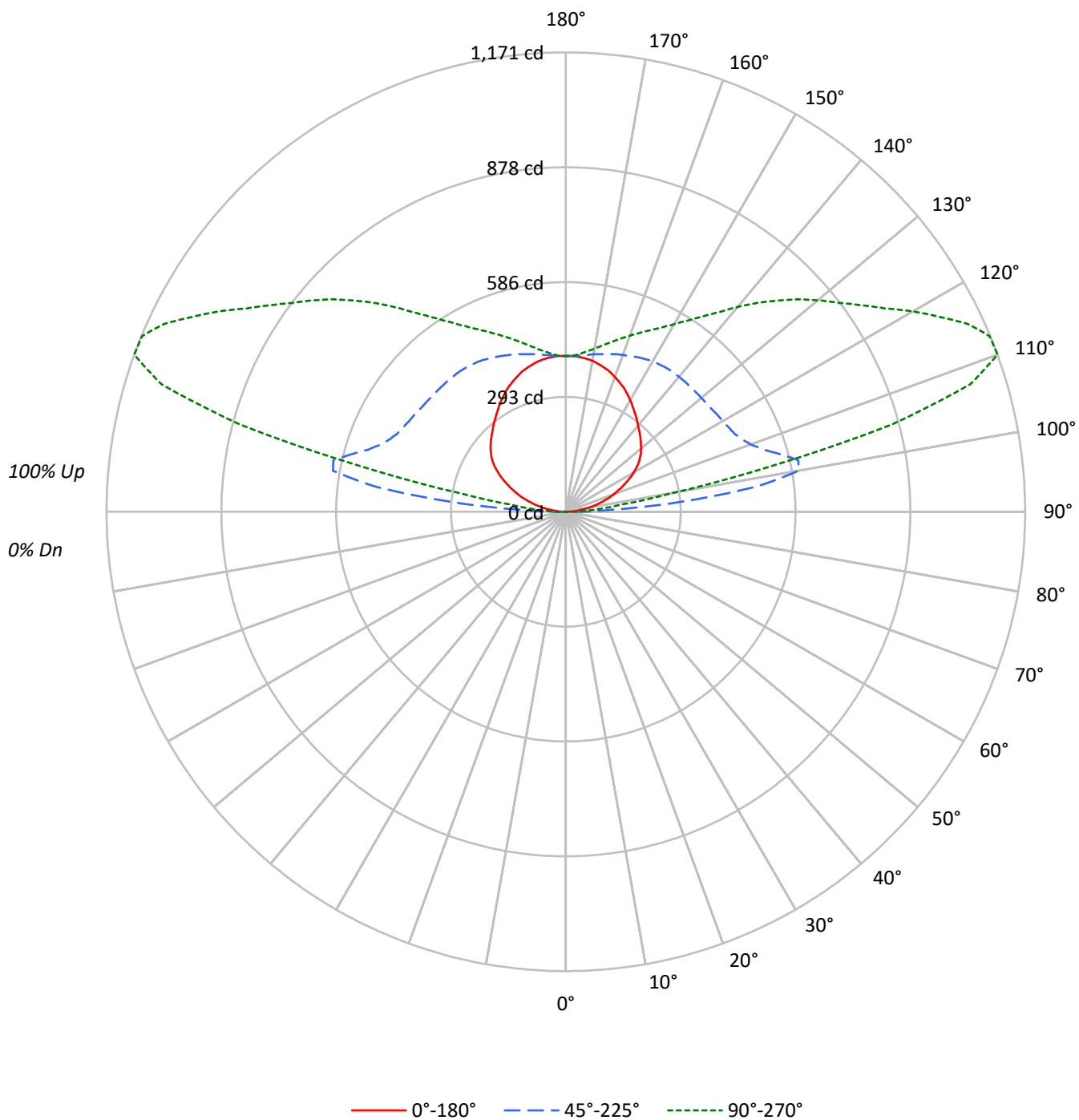
Lumens per Lamp: N/A
Luminaire Lumens: 2767.0 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Indirect

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_3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1007418

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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°	2.6	0.1
90°-100°	154.7	5.6
100°-110°	545.0	19.7
110°-120°	572.3	20.7
120°-130°	470.9	17.0
130°-140°	378.3	13.7
140°-150°	285.7	10.3
150°-160°	200.9	7.3
160°-170°	118.2	4.3
170°-180°	38.5	1.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.6	0.1
90°-120°	1272.1	46.0
90°-150°	2406.9	87.0
90°-180°	2764.0	99.9
0°-180°	2767.0	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	26	25	25	2
95°	27	66	299	113	87	28
105°	93	140	566	1011	860	99
115°	164	207	473	977	1132	163
125°	229	271	455	791	918	204
135°	269	321	450	665	761	208
145°	307	353	447	555	608	193
155°	349	377	434	491	511	161
165°	380	392	416	441	448	107
175°	396	397	400	405	404	38
180°	397	397	397	397	397	

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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°	0.8	3.1	6.1	7.6	9.2	11.5	15.3	20.6	25.2	26.0	25.2
92.5°	11.5	16.0	22.1	26.0	32.1	40.5	61.1	90.1	116.0	117.6	98.5
95°	26.7	29.8	37.4	44.3	56.5	74.8	109.9	176.3	264.9	299.2	261.8
97.5°	39.7	44.3	52.7	62.6	76.3	97.0	142.0	234.4	377.1	487.8	491.6
100°	58.8	61.1	67.9	80.2	95.4	116.8	157.3	250.4	415.3	603.1	713.0
102.5°	76.3	77.9	84.7	97.0	113.0	134.4	171.0	251.2	400.8	606.9	795.4
105°	93.1	96.2	101.5	113.0	129.8	151.2	187.0	255.0	380.9	565.7	768.7
107.5°	111.5	113.7	119.1	129.8	146.6	167.9	203.1	263.4	370.2	527.5	712.2
110°	129.8	132.8	137.4	147.3	163.4	185.5	219.1	274.1	367.2	501.5	659.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	146.6	149.6	155.0	164.1	179.4	202.3	234.4	285.5	368.0	484.8	622.9
115°	164.1	167.9	172.5	181.7	197.0	217.6	250.4	297.0	371.0	473.3	593.9
117.5°	182.4	185.5	190.1	198.5	213.0	234.4	264.9	309.2	375.6	467.2	574.1
120°	199.2	202.3	206.9	213.7	229.0	250.4	280.2	321.4	380.2	461.8	558.8
122.5°	215.3	217.6	222.1	229.8	245.0	267.2	294.7	332.1	385.5	458.8	545.8
125°	229.0	231.3	235.9	245.0	260.3	281.7	309.2	343.5	390.9	455.0	533.6
127.5°	240.5	243.5	249.6	259.6	274.1	296.2	322.9	354.2	396.2	452.7	522.2
130°	250.4	253.4	261.1	271.8	287.0	308.4	335.1	364.1	402.3	451.2	510.7
132.5°	259.6	263.4	271.8	283.2	299.2	320.6	345.8	374.1	408.4	450.4	501.5
135°	268.7	271.8	280.9	292.4	309.9	331.3	355.7	382.5	413.0	449.6	493.1
137.5°	277.1	280.9	290.1	302.3	319.9	339.7	364.1	389.3	417.6	449.6	487.0
140°	287.0	290.1	299.2	311.5	328.3	348.1	371.0	394.7	420.6	448.9	481.7
142.5°	297.0	299.2	307.6	319.9	335.9	354.2	376.3	399.3	422.9	448.9	476.4
145°	306.9	309.9	317.6	329.0	344.3	361.1	381.7	403.1	424.4	447.3	471.8
147.5°	317.6	319.9	327.5	338.2	351.2	366.4	386.3	405.4	425.2	445.1	467.2
150°	328.3	330.5	336.7	346.6	358.0	371.8	389.3	406.9	424.4	442.8	461.1
152.5°	338.9	339.7	345.8	354.2	364.9	377.1	392.4	407.6	422.9	438.9	455.7
155°	348.9	349.6	354.2	362.6	371.0	382.5	395.4	408.4	421.4	434.4	448.9
157.5°	357.3	358.0	361.8	369.5	376.3	386.3	397.7	408.4	418.3	429.8	442.8
160°	365.7	366.4	369.5	375.6	381.7	390.1	399.3	408.4	416.0	425.2	435.9
162.5°	374.1	373.3	376.3	380.9	386.3	392.4	400.0	407.6	413.8	421.4	429.8
165°	380.2	379.4	380.9	385.5	389.3	393.9	400.8	406.1	410.7	416.0	422.9
167.5°	385.5	384.7	386.3	389.3	392.4	395.4	400.8	405.4	407.6	411.5	416.0
170°	390.9	389.3	390.1	392.4	393.9	396.2	400.0	403.8	405.4	407.6	410.7
172.5°	393.9	393.1	392.4	394.7	395.4	397.0	399.3	401.5	402.3	403.1	405.4
175°	396.2	395.4	394.7	396.2	396.2	397.0	398.5	400.0	399.3	400.0	400.8
177.5°	397.7	396.2	395.4	397.0	397.0	397.0	397.7	399.3	397.7	397.0	397.7
180°	397.0	397.0	397.0	397.0	397.0	397.0	397.0	397.0	397.0	397.0	397.0

TEST NUMBER: P1007418

CATALOG NUMBER: S122IP-B725UB2750-4F0-XX-W2A-4_3000K

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°	24.4	22.9	24.4	25.2	25.2	25.2	25.2	25.2
92.5°	77.1	65.7	57.3	51.1	50.4	47.3	48.1	46.6
95°	200.0	153.4	121.4	104.6	94.7	88.6	86.3	87.0
97.5°	409.2	326.7	249.6	203.8	174.1	158.8	150.4	145.8
100°	697.0	602.3	497.7	405.4	342.0	309.2	287.0	273.3
102.5°	885.5	882.5	813.0	713.8	643.5	581.7	552.7	532.8
105°	927.5	1013.8	1023.7	998.5	951.2	903.9	871.0	860.3
107.5°	882.5	1010.7	1085.5	1116.1	1115.3	1108.4	1098.5	1081.0
110°	820.6	957.3	1055.0	1117.6	1150.4	1164.9	1171.8	1171.0

TEST NUMBER: P1007418

CATALOG NUMBER: S122IP-B725UB2750-4F0-XX-W2A-4_3000K

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	764.2	893.9	1000.0	1074.1	1122.9	1149.7	1164.2	1169.5
115°	719.9	837.4	937.4	1016.1	1070.3	1105.4	1125.2	1132.1
117.5°	683.2	788.6	881.7	956.5	1012.3	1049.7	1070.3	1075.6
120°	657.3	751.9	832.9	902.3	955.8	991.6	1013.8	1021.4
122.5°	636.7	721.4	797.0	858.0	904.6	939.7	958.8	964.9
125°	616.8	695.4	762.6	819.9	864.2	893.2	912.2	918.4
127.5°	597.0	669.5	733.6	787.1	826.0	853.5	870.3	874.8
130°	577.9	643.5	703.8	754.2	791.6	817.6	832.9	839.0
132.5°	559.6	619.1	673.3	719.9	756.5	782.5	796.2	801.6
135°	542.8	593.2	643.5	686.3	719.1	744.3	758.0	761.1
137.5°	529.0	572.5	613.8	651.9	683.2	705.4	717.6	722.2
140°	516.0	552.7	587.8	621.4	645.8	665.7	677.1	681.7
142.5°	505.4	535.1	564.1	590.9	613.8	631.3	641.2	641.2
145°	495.4	520.6	544.3	566.4	584.8	597.7	605.4	607.7
147.5°	487.8	508.4	527.5	544.3	560.3	571.0	576.4	577.9
150°	479.4	496.2	512.2	526.0	537.4	546.6	551.2	551.9
152.5°	471.0	486.3	499.3	510.7	519.1	526.7	529.8	529.8
155°	463.4	475.6	487.0	495.4	503.8	509.2	512.2	510.7
157.5°	454.2	464.9	474.8	481.7	487.8	492.4	493.9	493.9
160°	445.8	454.2	462.6	468.0	473.3	477.1	477.9	477.9
162.5°	437.4	444.3	451.2	455.0	460.3	462.6	463.4	462.6
165°	429.0	434.4	439.7	442.8	445.8	448.9	448.9	448.1
167.5°	420.6	425.2	429.0	432.1	433.6	435.1	435.1	434.4
170°	414.5	416.8	419.9	421.4	422.2	424.4	423.7	422.2
172.5°	407.6	409.2	411.5	412.2	413.0	413.8	413.0	412.2
175°	403.1	403.8	404.6	405.4	405.4	406.1	405.4	403.8
177.5°	399.3	399.3	400.0	400.0	400.0	400.0	399.3	397.7
180°	397.0	397.0	397.0	397.0	397.0	397.0	397.0	397.0

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