

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: P1007868

Luminaire Tested: S125IP-B610UB2750-4F0-XX-W2A-4_3000K

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007868
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-B610UB2750-4F0-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

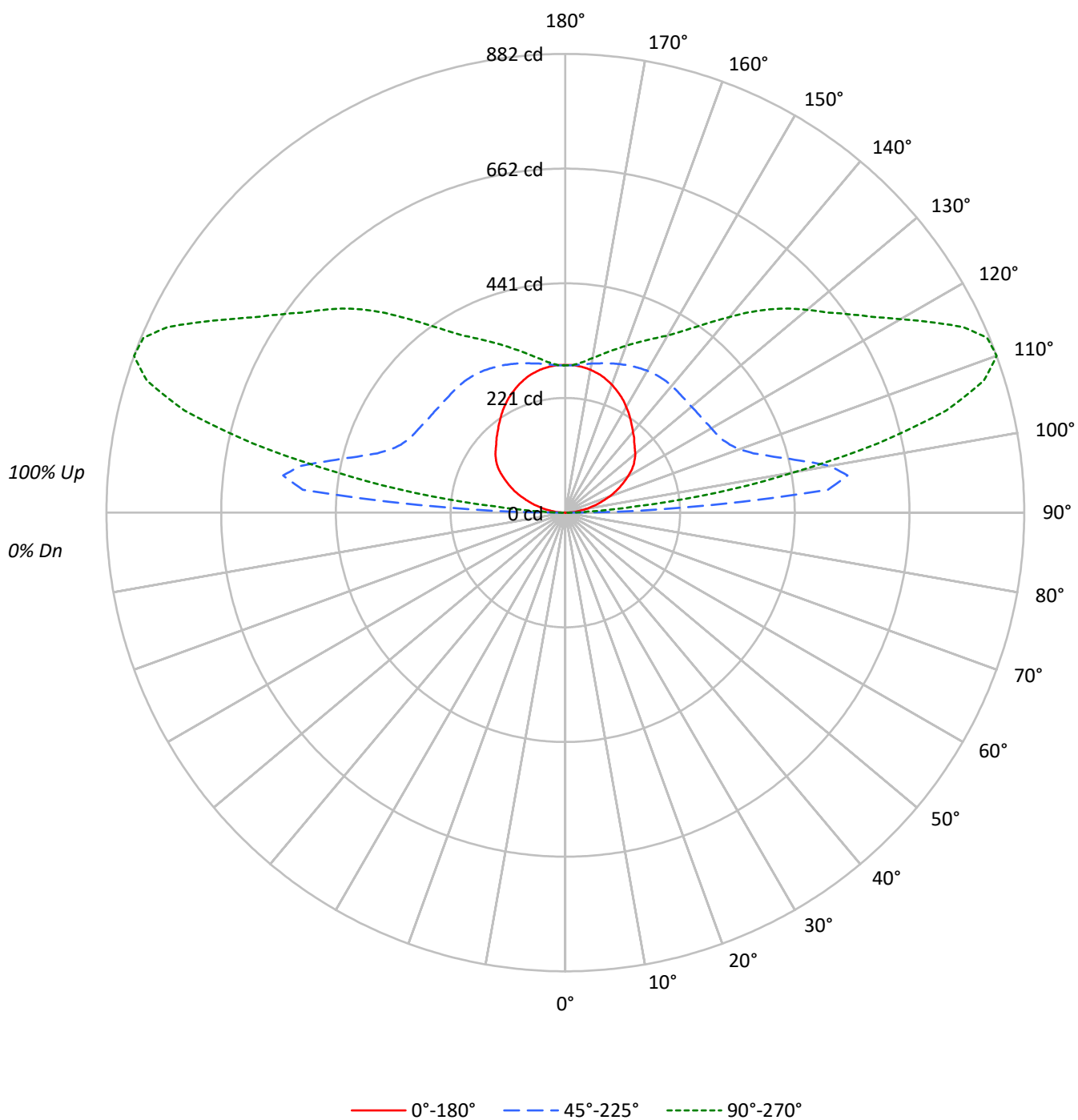
Lumens per Lamp: N/A
Luminaire Lumens: 2131.0 lumens
Efficiency: N/A
Efficacy: 138.4 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 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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CATALOG NUMBER: S125IP-B610UB2750-4F0-XX-W2A-4_3000K

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°	1.1	0.1
90°-100°	206.3	9.7
100°-110°	444.8	20.9
110°-120°	414.7	19.5
120°-130°	335.9	15.8
130°-140°	269.7	12.7
140°-150°	203.4	9.5
150°-160°	143.2	6.7
160°-170°	84.4	4.0
170°-180°	27.5	1.3
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.1	0.1
90°-120°	1065.8	50.0
90°-150°	1874.8	88.0
90°-180°	2130.0	100.0
0°-180°	2131.0	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	5	9	12	13	1
95°	19	56	506	230	134	20
105°	65	90	414	816	758	68
115°	116	139	333	717	844	114
125°	160	188	319	571	665	142
135°	188	226	317	478	552	146
145°	218	250	318	396	436	137
155°	249	268	310	350	365	115
165°	272	280	297	315	320	77
175°	283	283	285	289	288	27
180°	284	284	284	284	284	

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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	1.1	2.3	3.4	4.6	5.7	6.3	7.4	8.0	9.1	9.7
92.5°	8.6	10.3	16.0	24.6	36.6	57.2	96.0	161.2	232.1	228.1	184.1
95°	18.9	19.4	24.0	30.3	42.9	68.6	129.8	255.6	413.3	506.5	495.7
97.5°	29.2	29.7	33.2	39.4	50.9	69.7	112.1	208.7	379.0	547.1	619.2
100°	40.0	41.2	43.4	49.7	60.6	77.8	110.9	185.2	329.3	516.3	659.2
102.5°	52.0	52.6	54.3	61.2	70.9	87.5	116.1	175.5	291.6	461.9	635.2
105°	64.6	64.6	67.5	73.2	82.3	98.3	123.5	174.4	269.8	414.5	578.6
107.5°	76.6	77.8	80.6	85.2	94.9	109.2	133.8	178.4	258.4	379.0	524.8
110°	89.8	90.9	93.2	98.3	106.9	121.8	145.2	184.7	253.8	355.6	480.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	102.9	104.1	105.8	110.9	119.5	133.8	156.1	192.7	253.8	341.9	447.1
115°	115.5	116.6	118.3	123.5	132.1	146.4	167.5	200.7	255.6	332.7	424.8
117.5°	126.9	128.6	130.3	135.5	145.2	158.9	178.9	209.8	258.4	327.6	409.9
120°	138.4	140.1	142.4	147.5	157.2	171.5	191.5	219.0	263.0	324.2	397.9
122.5°	150.4	151.5	153.2	158.4	169.2	183.5	203.5	229.3	267.0	321.3	387.6
125°	160.1	161.2	164.1	169.2	180.1	195.0	213.8	238.4	271.6	319.0	378.5
127.5°	168.1	169.8	173.2	179.5	191.0	205.8	224.1	247.0	276.7	317.9	369.9
130°	175.5	177.2	181.8	189.2	201.2	216.1	233.8	255.6	281.3	316.7	361.3
132.5°	181.2	183.5	189.2	197.8	210.4	225.3	243.0	263.0	286.4	316.7	354.5
135°	187.5	189.8	196.7	205.8	217.8	233.3	251.0	269.8	291.0	316.7	349.3
137.5°	195.5	197.2	203.5	212.7	224.7	240.7	256.7	275.0	295.6	317.3	344.2
140°	202.4	204.1	211.0	220.1	231.0	246.4	263.0	280.1	298.4	317.9	340.7
142.5°	210.4	211.5	217.8	227.0	237.3	251.6	267.0	283.0	300.1	318.4	337.9
145°	218.4	219.5	225.3	233.3	243.5	256.7	271.6	285.9	301.3	317.9	335.0
147.5°	227.0	227.5	232.7	240.1	249.3	261.3	274.4	287.6	301.9	316.7	332.2
150°	234.4	235.5	239.5	247.0	255.0	264.7	277.3	289.3	301.9	315.0	328.7
152.5°	242.4	243.0	246.4	252.7	260.1	268.7	280.1	290.4	301.3	312.7	324.7
155°	249.3	249.3	252.7	258.4	264.1	272.1	281.9	291.0	300.1	309.9	320.2
157.5°	255.6	255.6	258.4	263.6	268.7	275.0	283.6	291.6	299.0	307.0	316.2
160°	261.8	261.3	263.6	267.6	272.1	277.3	284.7	291.6	297.3	304.1	311.0
162.5°	267.0	266.4	268.7	272.1	275.6	279.6	285.9	291.0	295.6	300.7	306.4
165°	272.1	271.0	272.7	275.6	277.9	281.3	285.9	290.4	293.9	297.3	301.9
167.5°	275.6	275.0	276.1	277.9	279.6	281.9	285.9	289.3	291.0	293.9	297.3
170°	279.0	278.4	279.0	280.1	281.3	283.0	285.9	288.1	289.3	291.0	293.3
172.5°	281.3	280.1	280.7	281.9	282.4	283.0	285.3	287.0	287.0	287.6	289.3
175°	283.0	281.9	282.4	283.0	283.0	283.0	284.7	285.9	285.3	285.3	285.9
177.5°	284.1	283.0	283.0	283.6	283.0	283.0	284.1	284.7	283.6	283.6	284.1
180°	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6

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CATALOG NUMBER: S125IP-B610UB2750-4F0-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°	10.3	10.9	11.4	12.6	12.6	12.6	13.1	13.1
92.5°	124.1	89.2	66.3	55.5	46.3	44.6	43.4	42.3
95°	411.1	324.2	253.8	205.8	165.2	148.1	143.5	134.4
97.5°	589.4	520.3	449.4	380.8	346.5	316.7	301.3	294.4
100°	703.2	675.2	616.3	556.8	517.4	476.2	455.1	445.9
102.5°	741.5	770.1	749.5	714.1	671.2	644.9	621.4	615.2
105°	715.8	794.1	819.3	813.0	794.7	775.8	764.4	757.5
107.5°	663.2	766.7	827.3	852.4	857.6	854.7	849.0	843.3
110°	603.7	712.3	793.0	841.6	867.3	878.1	882.1	882.1

TEST NUMBER: P1007868

CATALOG NUMBER: S125IP-B610UB2750-4F0-XX-W2A-4_3000K

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	556.8	658.6	740.4	799.8	840.4	861.0	872.4	877.6
115°	519.1	607.7	686.1	748.4	793.0	820.4	836.4	843.8
117.5°	492.8	571.1	639.7	698.6	743.8	772.4	788.4	793.0
120°	472.2	540.8	603.7	654.0	696.3	723.8	739.2	743.8
122.5°	456.8	519.1	573.4	619.7	656.3	680.9	696.3	700.3
125°	441.9	500.2	550.0	591.1	623.2	646.6	659.2	664.9
127.5°	426.5	482.0	528.8	567.7	596.9	618.0	630.0	632.3
130°	412.2	462.5	507.1	544.3	572.9	591.7	603.2	606.6
132.5°	397.9	444.2	483.7	519.1	547.7	566.6	576.9	580.9
135°	385.9	425.4	461.9	494.5	519.7	538.6	548.8	552.3
137.5°	375.0	408.2	439.6	468.2	491.1	508.8	518.5	522.5
140°	366.5	393.3	419.6	443.6	464.8	479.7	488.2	491.1
142.5°	359.0	380.8	402.5	422.5	439.6	451.7	459.7	461.9
145°	352.7	370.5	388.2	403.6	417.3	427.1	433.4	435.6
147.5°	346.5	361.3	375.6	387.6	399.1	407.1	411.1	412.2
150°	341.3	353.9	364.8	375.0	383.6	390.5	392.8	393.3
152.5°	335.6	346.5	356.2	363.6	370.5	375.6	377.9	378.5
155°	329.9	339.0	347.0	353.3	359.0	363.0	364.8	365.3
157.5°	324.2	332.2	338.5	343.6	348.2	351.6	353.3	353.3
160°	318.4	324.2	329.9	333.9	337.9	340.7	341.9	341.3
162.5°	312.2	317.3	321.9	325.3	328.2	330.4	330.4	330.4
165°	306.4	310.4	313.9	316.7	319.0	320.2	320.2	320.2
167.5°	300.7	303.6	306.4	308.7	309.9	311.0	310.4	310.4
170°	296.1	297.9	299.6	300.7	301.9	302.4	302.4	301.9
172.5°	291.0	292.7	293.9	294.4	294.4	295.6	294.4	293.9
175°	287.6	287.6	288.7	288.7	288.7	289.3	288.1	287.6
177.5°	284.7	285.3	285.3	285.3	284.7	285.3	283.6	283.6
180°	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6

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