

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: P1007838

Luminaire Tested: S125IP-B375UB2750-4F0-XX-W2A-4_3000K

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007838
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-B375UB2750-4F0-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

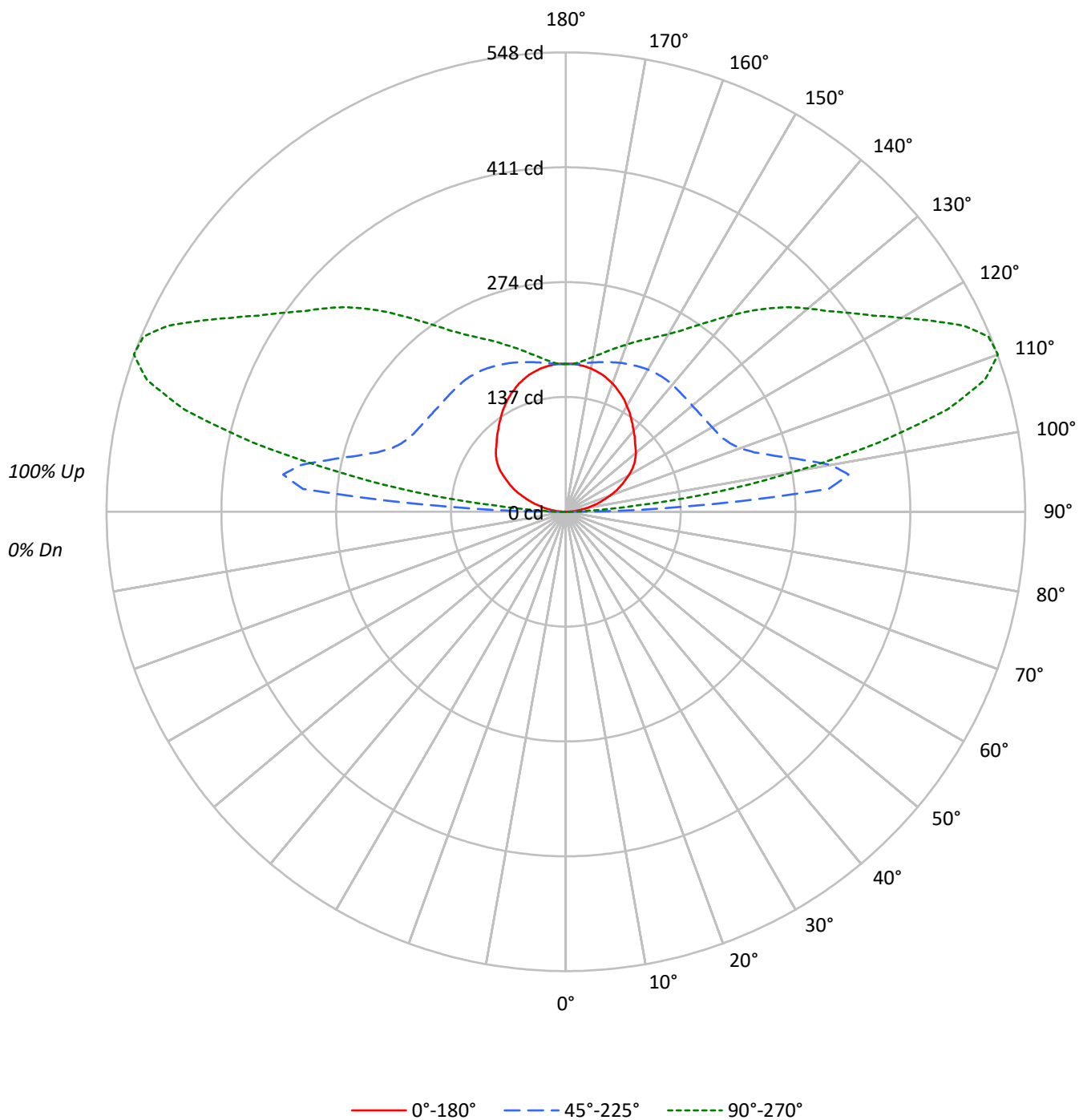
Lumens per Lamp: N/A
Luminaire Lumens: 1325.0 lumens
Efficiency: N/A
Efficacy: 142.5 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 9.3
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-B375UB2750-4F0-XX-W2A-4_3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1007838

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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°	0.7	0.1
90°-100°	128.3	9.7
100°-110°	276.6	20.9
110°-120°	257.8	19.5
120°-130°	208.8	15.8
130°-140°	167.7	12.7
140°-150°	126.5	9.5
150°-160°	89.1	6.7
160°-170°	52.5	4.0
170°-180°	17.1	1.3
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	0.7	0.1
90°-120°	662.7	50.0
90°-150°	1165.7	88.0
90°-180°	1324.0	99.9
0°-180°	1325.0	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°	0	3	6	7	8	1
95°	12	35	315	143	84	12
105°	40	56	258	507	471	42
115°	72	87	207	446	525	71
125°	100	117	198	355	413	88
135°	117	140	197	297	343	90
145°	136	156	198	246	271	85
155°	155	167	193	218	227	71
165°	169	174	185	196	199	48
175°	176	176	177	180	179	17
180°	176	176	176	176	176	

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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°	0.4	0.7	1.4	2.1	2.8	3.6	3.9	4.6	5.0	5.7	6.0
92.5°	5.3	6.4	10.0	15.3	22.8	35.5	59.7	100.2	144.3	141.8	114.5
95°	11.7	12.1	14.9	18.8	26.7	42.7	80.7	158.9	257.0	314.9	308.2
97.5°	18.1	18.5	20.6	24.5	31.6	43.4	69.7	129.7	235.7	340.2	385.0
100°	24.9	25.6	27.0	30.9	37.7	48.3	69.0	115.2	204.8	321.0	409.9
102.5°	32.3	32.7	33.8	38.0	44.1	54.4	72.2	109.1	181.3	287.2	394.9
105°	40.2	40.2	41.9	45.5	51.2	61.1	76.8	108.4	167.8	257.7	359.7
107.5°	47.6	48.3	50.1	53.0	59.0	67.9	83.2	110.9	160.7	235.7	326.3
110°	55.8	56.5	57.9	61.1	66.5	75.7	90.3	114.8	157.8	221.1	298.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	64.0	64.7	65.8	69.0	74.3	83.2	97.0	119.8	157.8	212.6	278.0
115°	71.8	72.5	73.6	76.8	82.1	91.0	104.2	124.8	158.9	206.9	264.1
117.5°	78.9	80.0	81.0	84.2	90.3	98.8	111.3	130.5	160.7	203.7	254.9
120°	86.0	87.1	88.5	91.7	97.8	106.6	119.1	136.1	163.5	201.6	247.4
122.5°	93.5	94.2	95.3	98.5	105.2	114.1	126.5	142.5	166.0	199.8	241.0
125°	99.5	100.2	102.0	105.2	112.0	121.2	132.9	148.2	168.9	198.4	235.3
127.5°	104.5	105.6	107.7	111.6	118.7	128.0	139.3	153.6	172.0	197.6	230.0
130°	109.1	110.2	113.0	117.7	125.1	134.4	145.4	158.9	174.9	196.9	224.7
132.5°	112.7	114.1	117.7	123.0	130.8	140.1	151.1	163.5	178.1	196.9	220.4
135°	116.6	118.0	122.3	128.0	135.4	145.0	156.1	167.8	180.9	196.9	217.2
137.5°	121.6	122.6	126.5	132.2	139.7	149.7	159.6	171.0	183.8	197.3	214.0
140°	125.8	126.9	131.2	136.9	143.6	153.2	163.5	174.2	185.6	197.6	211.9
142.5°	130.8	131.5	135.4	141.1	147.5	156.4	166.0	176.0	186.6	198.0	210.1
145°	135.8	136.5	140.1	145.0	151.4	159.6	168.9	177.7	187.3	197.6	208.3
147.5°	141.1	141.5	144.7	149.3	155.0	162.5	170.6	178.8	187.7	196.9	206.5
150°	145.7	146.5	148.9	153.6	158.5	164.6	172.4	179.9	187.7	195.9	204.4
152.5°	150.7	151.1	153.2	157.1	161.7	167.1	174.2	180.6	187.3	194.4	201.9
155°	155.0	155.0	157.1	160.7	164.2	169.2	175.2	180.9	186.6	192.7	199.1
157.5°	158.9	158.9	160.7	163.9	167.1	171.0	176.3	181.3	185.9	190.9	196.6
160°	162.8	162.5	163.9	166.4	169.2	172.4	177.0	181.3	184.8	189.1	193.4
162.5°	166.0	165.7	167.1	169.2	171.3	173.8	177.7	180.9	183.8	187.0	190.5
165°	169.2	168.5	169.6	171.3	172.8	174.9	177.7	180.6	182.7	184.8	187.7
167.5°	171.3	171.0	171.7	172.8	173.8	175.2	177.7	179.9	180.9	182.7	184.8
170°	173.5	173.1	173.5	174.2	174.9	176.0	177.7	179.2	179.9	180.9	182.4
172.5°	174.9	174.2	174.5	175.2	175.6	176.0	177.4	178.4	178.4	178.8	179.9
175°	176.0	175.2	175.6	176.0	176.0	176.0	177.0	177.7	177.4	177.4	177.7
177.5°	176.7	176.0	176.0	176.3	176.0	176.0	176.7	177.0	176.3	176.3	176.7
180°	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3

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CATALOG NUMBER: S125IP-B375UB2750-4F0-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°	6.4	6.8	7.1	7.8	7.8	7.8	8.2	8.2
92.5°	77.1	55.5	41.2	34.5	28.8	27.7	27.0	26.3
95°	255.6	201.6	157.8	128.0	102.7	92.1	89.2	83.5
97.5°	366.5	323.5	279.4	236.7	215.4	196.9	187.3	183.1
100°	437.2	419.8	383.2	346.2	321.7	296.1	283.0	277.3
102.5°	461.0	478.8	466.0	444.0	417.3	401.0	386.4	382.5
105°	445.1	493.8	509.4	505.5	494.1	482.4	475.3	471.0
107.5°	412.3	476.7	514.4	530.0	533.2	531.4	527.9	524.3
110°	375.4	442.9	493.0	523.3	539.3	546.0	548.5	548.5

TEST NUMBER: P1007838

CATALOG NUMBER: S125IP-B375UB2750-4F0-XX-W2A-4_3000K

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	346.2	409.5	460.3	497.3	522.5	535.3	542.5	545.7
115°	322.8	377.9	426.6	465.3	493.0	510.1	520.1	524.7
117.5°	306.4	355.1	397.8	434.4	462.5	480.2	490.2	493.0
120°	293.6	336.3	375.4	406.7	433.0	450.0	459.6	462.5
122.5°	284.0	322.8	356.5	385.3	408.1	423.4	433.0	435.5
125°	274.8	311.0	342.0	367.6	387.5	402.0	409.9	413.4
127.5°	265.2	299.7	328.8	353.0	371.1	384.3	391.7	393.2
130°	256.3	287.6	315.3	338.4	356.2	367.9	375.0	377.2
132.5°	247.4	276.2	300.7	322.8	340.5	352.3	358.7	361.2
135°	239.9	264.5	287.2	307.5	323.1	334.9	341.3	343.4
137.5°	233.2	253.8	273.4	291.1	305.4	316.4	322.4	324.9
140°	227.9	244.6	260.9	275.8	289.0	298.2	303.6	305.4
142.5°	223.2	236.7	250.3	262.7	273.4	280.8	285.8	287.2
145°	219.3	230.3	241.4	251.0	259.5	265.5	269.4	270.9
147.5°	215.4	224.7	233.5	241.0	248.1	253.1	255.6	256.3
150°	212.2	220.0	226.8	233.2	238.5	242.8	244.2	244.6
152.5°	208.7	215.4	221.5	226.1	230.3	233.5	235.0	235.3
155°	205.1	210.8	215.8	219.7	223.2	225.7	226.8	227.1
157.5°	201.6	206.5	210.4	213.6	216.5	218.6	219.7	219.7
160°	198.0	201.6	205.1	207.6	210.1	211.9	212.6	212.2
162.5°	194.1	197.3	200.1	202.3	204.0	205.5	205.5	205.5
165°	190.5	193.0	195.2	196.9	198.4	199.1	199.1	199.1
167.5°	187.0	188.8	190.5	192.0	192.7	193.4	193.0	193.0
170°	184.1	185.2	186.3	187.0	187.7	188.0	188.0	187.7
172.5°	180.9	182.0	182.7	183.1	183.1	183.8	183.1	182.7
175°	178.8	178.8	179.5	179.5	179.5	179.9	179.2	178.8
177.5°	177.0	177.4	177.4	177.4	177.0	177.4	176.3	176.3
180°	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3

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