

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: P1007837

Luminaire Tested: S125IP-B375UB2750-4F0-XX-W2A-4_2700K

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007837
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_2700K
Description: Define 5 Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

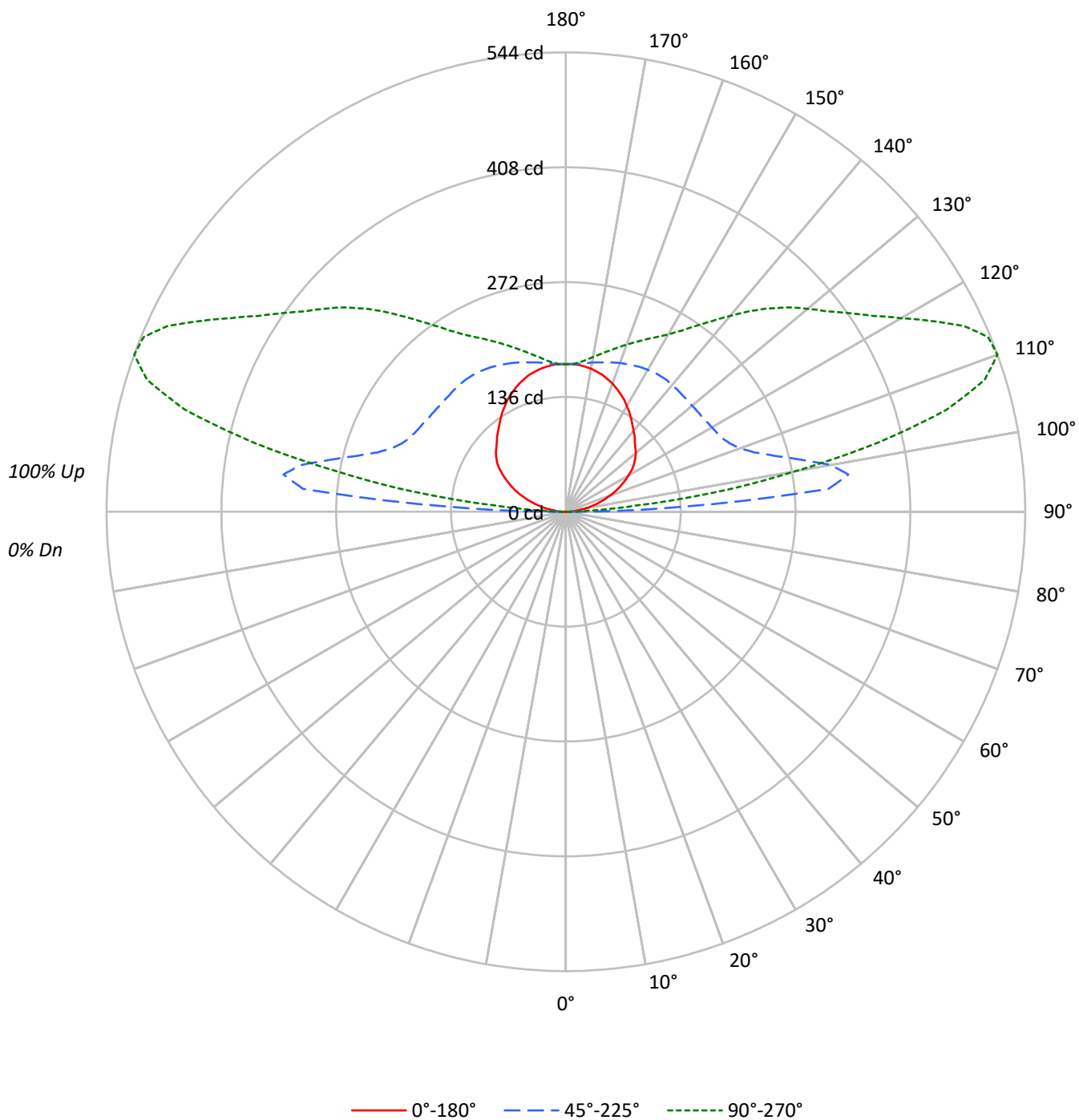
Lumens per Lamp: N/A
Luminaire Lumens: 1314.0 lumens
Efficiency: N/A
Efficacy: 141.3 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 9.3
Input Voltage (V): 120
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_2700K

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°	0.7	0.1
90°-100°	127.2	9.7
100°-110°	274.3	20.9
110°-120°	255.7	19.5
120°-130°	207.1	15.8
130°-140°	166.3	12.7
140°-150°	125.4	9.5
150°-160°	88.3	6.7
160°-170°	52.1	4.0
170°-180°	16.9	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°	657.2	50.0
90°-150°	1156.0	88.0
90°-180°	1313.0	99.9
0°-180°	1314.0	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	34	312	142	83	12
105°	40	56	256	503	467	42
115°	71	86	205	442	520	70
125°	99	116	197	352	410	88
135°	116	139	195	295	340	90
145°	135	154	196	244	269	84
155°	154	165	191	216	225	71
165°	168	172	183	194	197	47
175°	174	174	176	178	177	17
180°	175	175	175	175	175	

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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	3.5	3.9	4.6	4.9	5.6	6.0
92.5°	5.3	6.3	9.9	15.2	22.6	35.3	59.2	99.4	143.1	140.7	113.5
95°	11.6	12.0	14.8	18.7	26.4	42.3	80.0	157.6	254.9	312.3	305.6
97.5°	18.0	18.3	20.4	24.3	31.4	43.0	69.1	128.7	233.7	337.4	381.8
100°	24.7	25.4	26.8	30.7	37.4	47.9	68.4	114.2	203.1	318.3	406.5
102.5°	32.1	32.4	33.5	37.7	43.7	53.9	71.6	108.2	179.8	284.8	391.7
105°	39.8	39.8	41.6	45.1	50.8	60.6	76.1	107.5	166.4	255.6	356.8
107.5°	47.2	47.9	49.7	52.5	58.5	67.3	82.5	110.0	159.3	233.7	323.6
110°	55.3	56.1	57.5	60.6	65.9	75.1	89.5	113.9	156.5	219.3	296.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	63.5	64.2	65.2	68.4	73.7	82.5	96.2	118.8	156.5	210.8	275.7
115°	71.2	71.9	73.0	76.1	81.4	90.2	103.3	123.7	157.6	205.2	261.9
117.5°	78.3	79.3	80.4	83.5	89.5	98.0	110.3	129.4	159.3	202.0	252.8
120°	85.3	86.4	87.8	91.0	96.9	105.8	118.1	135.0	162.2	199.9	245.4
122.5°	92.7	93.4	94.5	97.6	104.3	113.2	125.5	141.4	164.6	198.1	239.0
125°	98.7	99.4	101.2	104.3	111.0	120.2	131.8	147.0	167.4	196.7	233.4
127.5°	103.6	104.7	106.8	110.7	117.7	126.9	138.2	152.3	170.6	196.0	228.1
130°	108.2	109.3	112.1	116.7	124.1	133.3	144.2	157.6	173.4	195.3	222.8
132.5°	111.7	113.2	116.7	122.0	129.7	138.9	149.8	162.2	176.6	195.3	218.6
135°	115.6	117.0	121.3	126.9	134.3	143.8	154.8	166.4	179.4	195.3	215.4
137.5°	120.6	121.6	125.5	131.1	138.5	148.4	158.3	169.6	182.3	195.7	212.2
140°	124.8	125.9	130.1	135.7	142.4	151.9	162.2	172.7	184.0	196.0	210.1
142.5°	129.7	130.4	134.3	140.0	146.3	155.1	164.6	174.5	185.1	196.4	208.3
145°	134.7	135.4	138.9	143.8	150.2	158.3	167.4	176.3	185.8	196.0	206.6
147.5°	140.0	140.3	143.5	148.1	153.7	161.1	169.2	177.3	186.1	195.3	204.8
150°	144.5	145.2	147.7	152.3	157.2	163.2	171.0	178.4	186.1	194.2	202.7
152.5°	149.5	149.8	151.9	155.8	160.4	165.7	172.7	179.1	185.8	192.8	200.2
155°	153.7	153.7	155.8	159.3	162.9	167.8	173.8	179.4	185.1	191.1	197.4
157.5°	157.6	157.6	159.3	162.5	165.7	169.6	174.9	179.8	184.4	189.3	194.9
160°	161.5	161.1	162.5	165.0	167.8	171.0	175.6	179.8	183.3	187.5	191.8
162.5°	164.6	164.3	165.7	167.8	169.9	172.4	176.3	179.4	182.3	185.4	189.0
165°	167.8	167.1	168.2	169.9	171.3	173.4	176.3	179.1	181.2	183.3	186.1
167.5°	169.9	169.6	170.3	171.3	172.4	173.8	176.3	178.4	179.4	181.2	183.3
170°	172.0	171.7	172.0	172.7	173.4	174.5	176.3	177.7	178.4	179.4	180.8
172.5°	173.4	172.7	173.1	173.8	174.1	174.5	175.9	177.0	177.0	177.3	178.4
175°	174.5	173.8	174.1	174.5	174.5	174.5	175.6	176.3	175.9	175.9	176.3
177.5°	175.2	174.5	174.5	174.9	174.5	174.5	175.2	175.6	174.9	174.9	175.2
180°	174.9	174.9	174.9	174.9	174.9	174.9	174.9	174.9	174.9	174.9	174.9

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CATALOG NUMBER: S125IP-B375UB2750-4F0-XX-W2A-4_2700K

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°	6.3	6.7	7.1	7.8	7.8	7.8	8.1	8.1
92.5°	76.5	55.0	40.9	34.2	28.6	27.5	26.8	26.1
95°	253.5	199.9	156.5	126.9	101.9	91.3	88.5	82.8
97.5°	363.5	320.8	277.1	234.8	213.6	195.3	185.8	181.5
100°	433.6	416.3	380.0	343.4	319.0	293.7	280.6	275.0
102.5°	457.2	474.8	462.2	440.3	413.9	397.6	383.2	379.3
105°	441.4	489.7	505.2	501.3	490.0	478.4	471.3	467.1
107.5°	408.9	472.7	510.1	525.6	528.8	527.0	523.5	520.0
110°	372.3	439.2	488.9	518.9	534.8	541.5	543.9	543.9

TEST NUMBER: P1007837

CATALOG NUMBER: S125IP-B375UB2750-4F0-XX-W2A-4_2700K

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	343.4	406.1	456.5	493.2	518.2	530.9	537.9	541.1
115°	320.1	374.7	423.0	461.5	488.9	505.9	515.7	520.3
117.5°	303.9	352.2	394.5	430.8	458.6	476.3	486.1	488.9
120°	291.2	333.5	372.3	403.3	429.4	446.3	455.8	458.6
122.5°	281.7	320.1	353.6	382.1	404.7	419.9	429.4	431.8
125°	272.5	308.5	339.1	364.5	384.2	398.7	406.5	410.0
127.5°	263.0	297.2	326.1	350.1	368.0	381.1	388.5	389.9
130°	254.2	285.2	312.7	335.6	353.2	364.9	371.9	374.0
132.5°	245.4	273.9	298.2	320.1	337.7	349.4	355.7	358.2
135°	238.0	262.3	284.8	304.9	320.4	332.1	338.4	340.5
137.5°	231.3	251.7	271.1	288.7	302.8	313.7	319.7	322.2
140°	226.0	242.5	258.8	273.6	286.6	295.8	301.1	302.8
142.5°	221.4	234.8	248.2	260.5	271.1	278.5	283.4	284.8
145°	217.5	228.4	239.4	248.9	257.3	263.3	267.2	268.6
147.5°	213.6	222.8	231.6	239.0	246.1	251.0	253.5	254.2
150°	210.5	218.2	224.9	231.3	236.5	240.8	242.2	242.5
152.5°	206.9	213.6	219.6	224.2	228.4	231.6	233.0	233.4
155°	203.4	209.0	214.0	217.9	221.4	223.9	224.9	225.3
157.5°	199.9	204.8	208.7	211.9	214.7	216.8	217.9	217.9
160°	196.4	199.9	203.4	205.9	208.3	210.1	210.8	210.5
162.5°	192.5	195.7	198.5	200.6	202.3	203.8	203.8	203.8
165°	189.0	191.4	193.5	195.3	196.7	197.4	197.4	197.4
167.5°	185.4	187.2	189.0	190.4	191.1	191.8	191.4	191.4
170°	182.6	183.7	184.7	185.4	186.1	186.5	186.5	186.1
172.5°	179.4	180.5	181.2	181.5	181.5	182.3	181.5	181.2
175°	177.3	177.3	178.0	178.0	178.0	178.4	177.7	177.3
177.5°	175.6	175.9	175.9	175.9	175.6	175.9	174.9	174.9
180°	174.9	174.9	174.9	174.9	174.9	174.9	174.9	174.9

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