

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: P1007839

Luminaire Tested: S125IP-B375UB2750-4F0-XX-W2A-4_3500K

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007839
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_3500K
Description: Define 5 Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

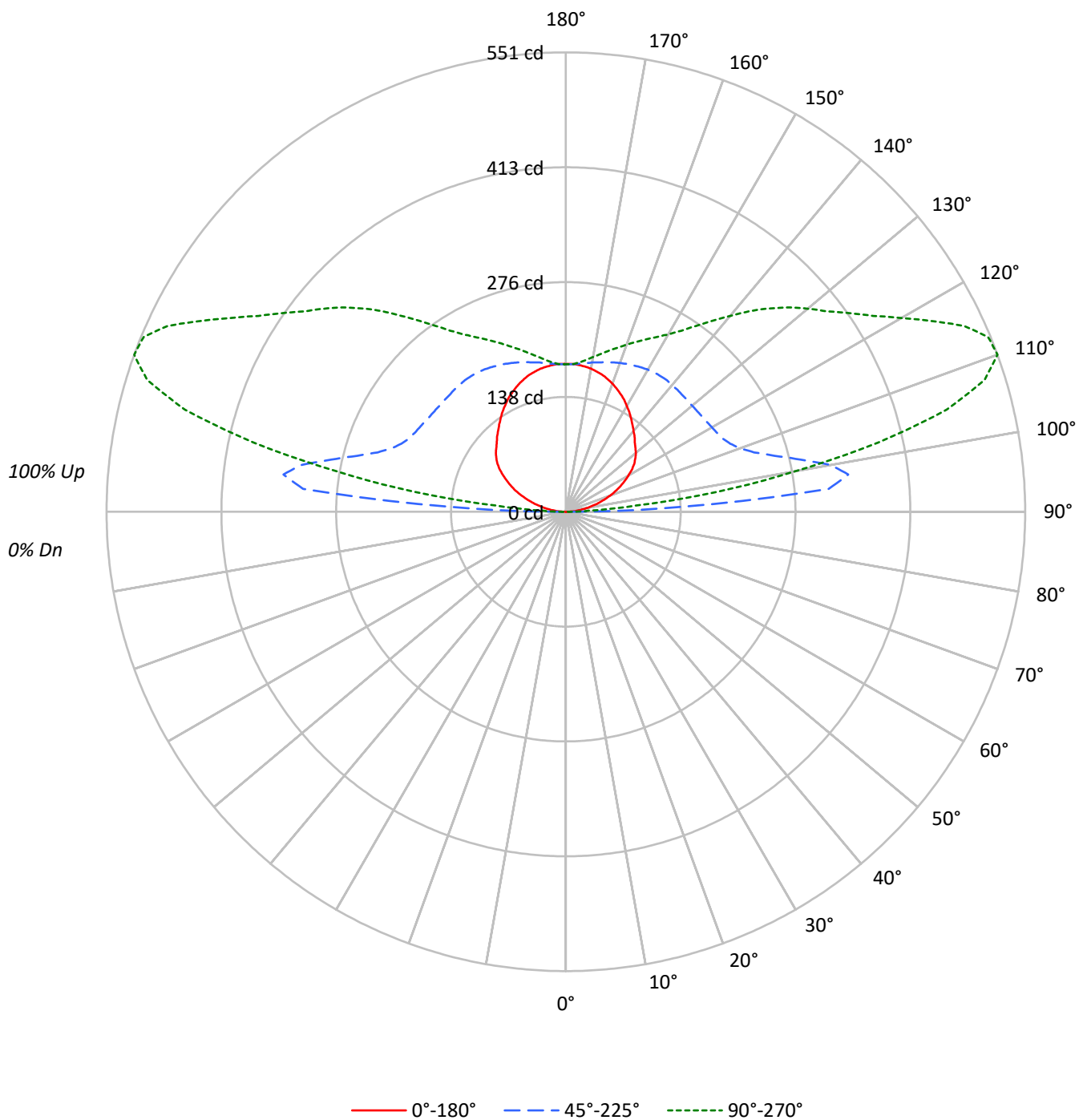
Lumens per Lamp: N/A
Luminaire Lumens: 1331.0 lumens
Efficiency: N/A
Efficacy: 143.1 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

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

TEST NUMBER: P1007839

CATALOG NUMBER: S125IP-B375UB2750-4F0-XX-W2A-4_3500K

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°	0.7	0.1
90°-100°	128.8	9.7
100°-110°	277.8	20.9
110°-120°	259.0	19.5
120°-130°	209.8	15.8
130°-140°	168.4	12.7
140°-150°	127.0	9.5
150°-160°	89.5	6.7
160°-170°	52.7	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°	665.7	50.0
90°-150°	1170.9	88.0
90°-180°	1330.0	99.9
0°-180°	1331.0	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	8	8	1
95°	12	35	316	144	84	12
105°	40	56	259	510	473	43
115°	72	87	208	448	527	71
125°	100	117	199	356	415	89
135°	117	141	198	299	345	91
145°	136	156	198	247	272	86
155°	156	168	194	219	228	72
165°	170	175	186	197	200	48
175°	177	177	178	180	180	17
180°	177	177	177	177	177	

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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	2.9	3.6	3.9	4.6	5.0	5.7	6.1
92.5°	5.4	6.4	10.0	15.4	22.9	35.7	60.0	100.7	145.0	142.5	115.0
95°	11.8	12.1	15.0	18.9	26.8	42.9	81.1	159.6	258.2	316.4	309.6
97.5°	18.2	18.6	20.7	24.6	31.8	43.6	70.0	130.3	236.7	341.7	386.7
100°	25.0	25.7	27.1	31.1	37.9	48.6	69.3	115.7	205.7	322.4	411.7
102.5°	32.5	32.9	33.9	38.2	44.3	54.6	72.5	109.6	182.1	288.5	396.7
105°	40.4	40.4	42.1	45.7	51.4	61.4	77.1	108.9	168.5	258.9	361.4
107.5°	47.8	48.6	50.3	53.2	59.3	68.2	83.6	111.4	161.4	236.7	327.8
110°	56.1	56.8	58.2	61.4	66.8	76.1	90.7	115.3	158.5	222.1	300.0

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CATALOG NUMBER: S125IP-B375UB2750-4F0-XX-W2A-4_3500K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	64.3	65.0	66.1	69.3	74.6	83.6	97.5	120.3	158.5	213.5	279.2
115°	72.1	72.8	73.9	77.1	82.5	91.4	104.6	125.3	159.6	207.8	265.3
117.5°	79.3	80.3	81.4	84.6	90.7	99.3	111.8	131.0	161.4	204.6	256.0
120°	86.4	87.5	88.9	92.1	98.2	107.1	119.6	136.8	164.3	202.5	248.5
122.5°	93.9	94.6	95.7	98.9	105.7	114.6	127.1	143.2	166.8	200.7	242.1
125°	100.0	100.7	102.5	105.7	112.5	121.8	133.5	148.9	169.6	199.3	236.4
127.5°	105.0	106.1	108.2	112.1	119.3	128.6	140.0	154.3	172.8	198.5	231.0
130°	109.6	110.7	113.6	118.2	125.7	135.0	146.0	159.6	175.7	197.8	225.7
132.5°	113.2	114.6	118.2	123.6	131.4	140.7	151.8	164.3	178.9	197.8	221.4
135°	117.1	118.6	122.8	128.6	136.0	145.7	156.8	168.5	181.8	197.8	218.2
137.5°	122.1	123.2	127.1	132.8	140.3	150.3	160.3	171.8	184.6	198.2	215.0
140°	126.4	127.5	131.8	137.5	144.3	153.9	164.3	175.0	186.4	198.5	212.8
142.5°	131.4	132.1	136.0	141.8	148.2	157.1	166.8	176.8	187.5	198.9	211.0
145°	136.4	137.1	140.7	145.7	152.1	160.3	169.6	178.5	188.2	198.5	209.3
147.5°	141.8	142.1	145.3	150.0	155.7	163.2	171.4	179.6	188.5	197.8	207.5
150°	146.4	147.1	149.6	154.3	159.3	165.3	173.2	180.7	188.5	196.8	205.3
152.5°	151.4	151.8	153.9	157.8	162.5	167.8	175.0	181.4	188.2	195.3	202.8
155°	155.7	155.7	157.8	161.4	165.0	170.0	176.0	181.8	187.5	193.5	200.0
157.5°	159.6	159.6	161.4	164.6	167.8	171.8	177.1	182.1	186.8	191.8	197.5
160°	163.5	163.2	164.6	167.1	170.0	173.2	177.8	182.1	185.7	190.0	194.3
162.5°	166.8	166.4	167.8	170.0	172.1	174.6	178.5	181.8	184.6	187.8	191.4
165°	170.0	169.3	170.3	172.1	173.5	175.7	178.5	181.4	183.5	185.7	188.5
167.5°	172.1	171.8	172.5	173.5	174.6	176.0	178.5	180.7	181.8	183.5	185.7
170°	174.3	173.9	174.3	175.0	175.7	176.8	178.5	180.0	180.7	181.8	183.2
172.5°	175.7	175.0	175.3	176.0	176.4	176.8	178.2	179.3	179.3	179.6	180.7
175°	176.8	176.0	176.4	176.8	176.8	176.8	177.8	178.5	178.2	178.2	178.5
177.5°	177.5	176.8	176.8	177.1	176.8	176.8	177.5	177.8	177.1	177.1	177.5
180°	177.1	177.1	177.1	177.1	177.1	177.1	177.1	177.1	177.1	177.1	177.1

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CATALOG NUMBER: S125IP-B375UB2750-4F0-XX-W2A-4_3500K

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	7.9	7.9	7.9	8.2	8.2
92.5°	77.5	55.7	41.4	34.6	28.9	27.9	27.1	26.4
95°	256.7	202.5	158.5	128.6	103.2	92.5	89.6	83.9
97.5°	368.2	324.9	280.7	237.8	216.4	197.8	188.2	183.9
100°	439.2	421.7	384.9	347.8	323.2	297.5	284.2	278.5
102.5°	463.1	481.0	468.1	446.0	419.2	402.8	388.1	384.2
105°	447.1	496.0	511.7	507.8	496.3	484.6	477.4	473.1
107.5°	414.2	478.8	516.7	532.4	535.6	533.8	530.3	526.7
110°	377.1	444.9	495.3	525.6	541.7	548.5	551.0	551.0

TEST NUMBER: P1007839

CATALOG NUMBER: S125IP-B375UB2750-4F0-XX-W2A-4_3500K

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	347.8	411.4	462.4	499.6	524.9	537.8	544.9	548.1
115°	324.2	379.6	428.5	467.4	495.3	512.4	522.4	527.1
117.5°	307.8	356.7	399.6	436.4	464.6	482.4	492.4	495.3
120°	295.0	337.8	377.1	408.5	434.9	452.1	461.7	464.6
122.5°	285.3	324.2	358.2	387.1	409.9	425.3	434.9	437.4
125°	276.0	312.4	343.5	369.2	389.2	403.9	411.7	415.3
127.5°	266.4	301.0	330.3	354.6	372.8	386.0	393.5	394.9
130°	257.5	288.9	316.7	339.9	357.8	369.6	376.7	378.9
132.5°	248.5	277.5	302.1	324.2	342.1	353.9	360.3	362.8
135°	241.0	265.7	288.5	308.9	324.6	336.4	342.8	344.9
137.5°	234.2	255.0	274.6	292.5	306.7	317.8	323.9	326.4
140°	228.9	245.7	262.1	277.1	290.3	299.6	304.9	306.7
142.5°	224.2	237.8	251.4	263.9	274.6	282.1	287.1	288.5
145°	220.3	231.4	242.5	252.1	260.7	266.7	270.7	272.1
147.5°	216.4	225.7	234.6	242.1	249.2	254.2	256.7	257.5
150°	213.2	221.0	227.8	234.2	239.6	243.9	245.3	245.7
152.5°	209.6	216.4	222.5	227.1	231.4	234.6	236.0	236.4
155°	206.0	211.8	216.7	220.7	224.2	226.7	227.8	228.2
157.5°	202.5	207.5	211.4	214.6	217.5	219.6	220.7	220.7
160°	198.9	202.5	206.0	208.5	211.0	212.8	213.5	213.2
162.5°	195.0	198.2	201.0	203.2	205.0	206.4	206.4	206.4
165°	191.4	193.9	196.0	197.8	199.3	200.0	200.0	200.0
167.5°	187.8	189.6	191.4	192.8	193.5	194.3	193.9	193.9
170°	185.0	186.0	187.1	187.8	188.5	188.9	188.9	188.5
172.5°	181.8	182.8	183.5	183.9	183.9	184.6	183.9	183.5
175°	179.6	179.6	180.3	180.3	180.3	180.7	180.0	179.6
177.5°	177.8	178.2	178.2	178.2	177.8	178.2	177.1	177.1
180°	177.1	177.1	177.1	177.1	177.1	177.1	177.1	177.1

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