

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: P1007840

Luminaire Tested: S125IP-B375UB2750-4F0-XX-W2A-4_4000K

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007840
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_4000K
Description: Define 5 Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

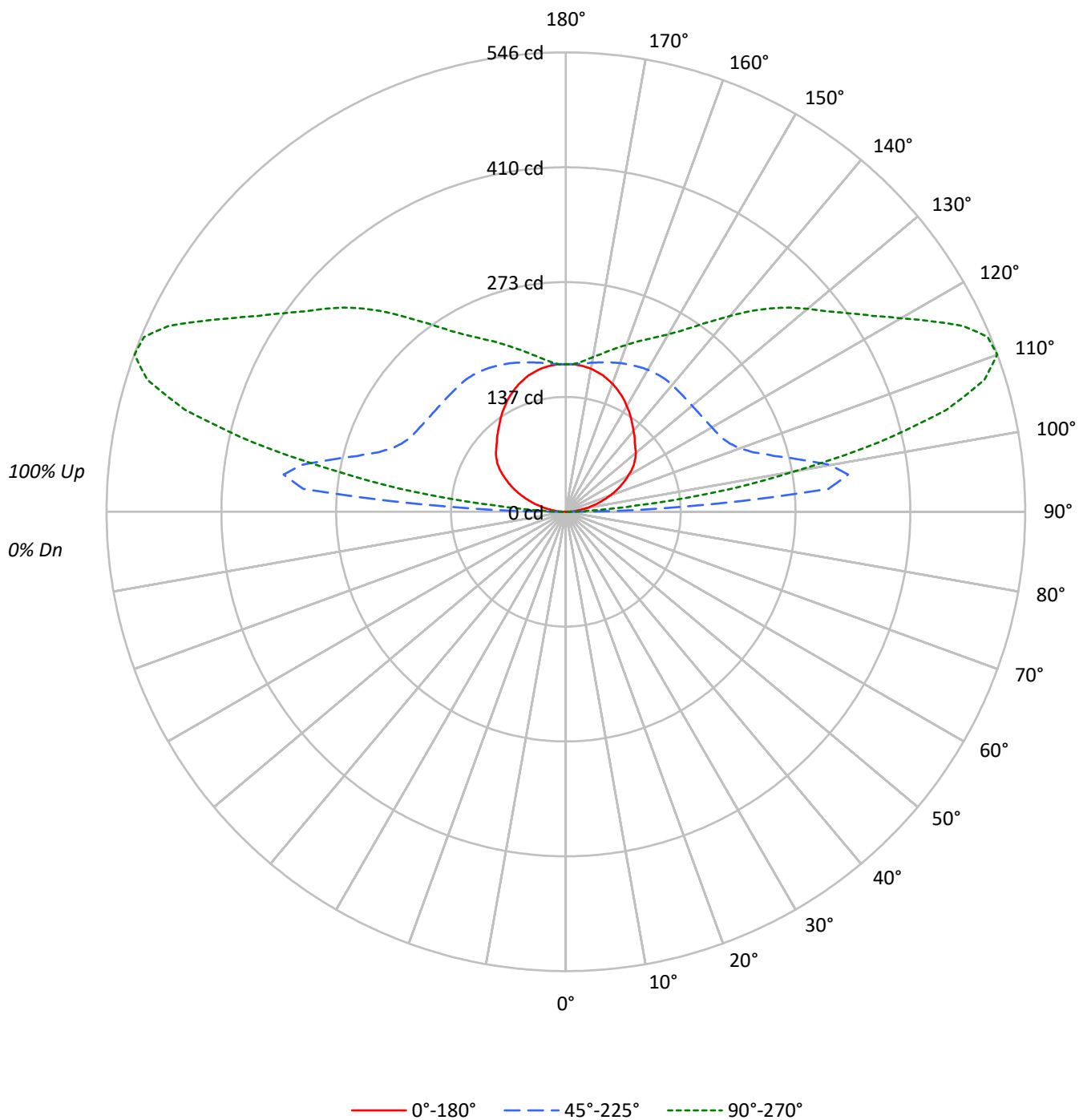
Lumens per Lamp: N/A
Luminaire Lumens: 1318.0 lumens
Efficiency: N/A
Efficacy: 141.7 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

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_4000K

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°	127.6	9.7
100°-110°	275.1	20.9
110°-120°	256.5	19.5
120°-130°	207.7	15.8
130°-140°	166.8	12.7
140°-150°	125.8	9.5
150°-160°	88.6	6.7
160°-170°	52.2	4.0
170°-180°	17.0	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°	659.2	50.0
90°-150°	1159.5	88.0
90°-180°	1317.0	99.9
0°-180°	1318.0	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	313	142	83	12
105°	40	56	256	505	468	42
115°	71	86	206	444	522	70
125°	99	116	197	353	411	88
135°	116	140	196	296	342	90
145°	135	155	197	245	269	85
155°	154	166	192	217	226	71
165°	168	173	184	195	198	47
175°	175	175	176	179	178	17
180°	175	175	175	175	175	



TEST NUMBER: P1007840

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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	5.0	5.7	6.0
92.5°	5.3	6.4	9.9	15.2	22.6	35.4	59.4	99.7	143.6	141.1	113.9
95°	11.7	12.0	14.9	18.7	26.5	42.4	80.3	158.1	255.6	313.3	306.6
97.5°	18.0	18.4	20.5	24.4	31.5	43.1	69.3	129.1	234.4	338.4	382.9
100°	24.8	25.5	26.9	30.8	37.5	48.1	68.6	114.6	203.7	319.3	407.7
102.5°	32.2	32.5	33.6	37.8	43.8	54.1	71.8	108.6	180.3	285.7	392.8
105°	40.0	40.0	41.7	45.3	50.9	60.8	76.4	107.8	166.9	256.4	357.8
107.5°	47.4	48.1	49.9	52.7	58.7	67.5	82.7	110.3	159.8	234.4	324.6
110°	55.5	56.2	57.6	60.8	66.1	75.3	89.8	114.2	157.0	219.9	297.0

TEST NUMBER: P1007840

CATALOG NUMBER: S125IP-B375UB2750-4F0-XX-W2A-4_4000K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	63.6	64.4	65.4	68.6	73.9	82.7	96.5	119.2	157.0	211.5	276.5
115°	71.4	72.1	73.2	76.4	81.7	90.5	103.6	124.1	158.1	205.8	262.7
117.5°	78.5	79.6	80.6	83.8	89.8	98.3	110.7	129.8	159.8	202.6	253.5
120°	85.6	86.6	88.0	91.2	97.2	106.1	118.5	135.4	162.7	200.5	246.1
122.5°	93.0	93.7	94.8	97.9	104.7	113.5	125.9	141.8	165.1	198.7	239.7
125°	99.0	99.7	101.5	104.7	111.4	120.6	132.2	147.4	168.0	197.3	234.1
127.5°	104.0	105.0	107.1	111.0	118.1	127.3	138.6	152.8	171.1	196.6	228.8
130°	108.6	109.6	112.4	117.0	124.5	133.7	144.6	158.1	174.0	195.9	223.5
132.5°	112.1	113.5	117.0	122.3	130.1	139.3	150.3	162.7	177.2	195.9	219.2
135°	116.0	117.4	121.6	127.3	134.7	144.3	155.2	166.9	180.0	195.9	216.0
137.5°	120.9	122.0	125.9	131.5	139.0	148.9	158.8	170.1	182.8	196.2	212.9
140°	125.2	126.2	130.5	136.1	142.9	152.4	162.7	173.3	184.6	196.6	210.7
142.5°	130.1	130.8	134.7	140.4	146.7	155.6	165.1	175.0	185.6	197.0	209.0
145°	135.1	135.8	139.3	144.3	150.6	158.8	168.0	176.8	186.3	196.6	207.2
147.5°	140.4	140.7	143.9	148.5	154.2	161.6	169.7	177.9	186.7	195.9	205.4
150°	145.0	145.7	148.2	152.8	157.7	163.7	171.5	178.9	186.7	194.8	203.3
152.5°	149.9	150.3	152.4	156.3	160.9	166.2	173.3	179.6	186.3	193.4	200.8
155°	154.2	154.2	156.3	159.8	163.4	168.3	174.3	180.0	185.6	191.6	198.0
157.5°	158.1	158.1	159.8	163.0	166.2	170.1	175.4	180.3	184.9	189.9	195.5
160°	161.9	161.6	163.0	165.5	168.3	171.5	176.1	180.3	183.9	188.1	192.4
162.5°	165.1	164.8	166.2	168.3	170.4	172.9	176.8	180.0	182.8	186.0	189.5
165°	168.3	167.6	168.7	170.4	171.8	174.0	176.8	179.6	181.7	183.9	186.7
167.5°	170.4	170.1	170.8	171.8	172.9	174.3	176.8	178.9	180.0	181.7	183.9
170°	172.6	172.2	172.6	173.3	174.0	175.0	176.8	178.2	178.9	180.0	181.4
172.5°	174.0	173.3	173.6	174.3	174.7	175.0	176.4	177.5	177.5	177.9	178.9
175°	175.0	174.3	174.7	175.0	175.0	175.0	176.1	176.8	176.4	176.4	176.8
177.5°	175.7	175.0	175.0	175.4	175.0	175.0	175.7	176.1	175.4	175.4	175.7
180°	175.4	175.4	175.4	175.4	175.4	175.4	175.4	175.4	175.4	175.4	175.4

TEST NUMBER: P1007840

CATALOG NUMBER: S125IP-B375UB2750-4F0-XX-W2A-4_4000K

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	6.7	7.1	7.8	7.8	7.8	8.1	8.1
92.5°	76.7	55.2	41.0	34.3	28.6	27.6	26.9	26.2
95°	254.2	200.5	157.0	127.3	102.2	91.6	88.8	83.1
97.5°	364.6	321.8	277.9	235.5	214.3	195.9	186.3	182.1
100°	434.9	417.6	381.2	344.4	320.0	294.5	281.5	275.8
102.5°	458.6	476.3	463.6	441.6	415.1	398.9	384.4	380.5
105°	442.7	491.1	506.7	502.8	491.5	479.8	472.8	468.5
107.5°	410.2	474.2	511.7	527.2	530.4	528.6	525.1	521.6
110°	373.4	440.6	490.4	520.5	536.4	543.1	545.6	545.6

TEST NUMBER: P1007840

CATALOG NUMBER: S125IP-B375UB2750-4F0-XX-W2A-4_4000K

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	344.4	407.3	457.9	494.7	519.8	532.5	539.6	542.8
115°	321.1	375.9	424.3	462.9	490.4	507.4	517.3	521.9
117.5°	304.8	353.2	395.7	432.1	460.0	477.7	487.6	490.4
120°	292.1	334.5	373.4	404.5	430.7	447.7	457.2	460.0
122.5°	282.5	321.1	354.7	383.3	405.9	421.1	430.7	433.2
125°	273.3	309.4	340.2	365.6	385.4	399.9	407.7	411.2
127.5°	263.8	298.1	327.1	351.1	369.2	382.2	389.7	391.1
130°	254.9	286.1	313.6	336.6	354.3	366.0	373.0	375.2
132.5°	246.1	274.7	299.1	321.1	338.7	350.4	356.8	359.3
135°	238.7	263.1	285.7	305.9	321.4	333.1	339.5	341.6
137.5°	232.0	252.5	271.9	289.6	303.7	314.7	320.7	323.2
140°	226.7	243.3	259.5	274.4	287.5	296.7	302.0	303.7
142.5°	222.1	235.5	248.9	261.3	271.9	279.3	284.3	285.7
145°	218.2	229.1	240.1	249.6	258.1	264.1	268.0	269.4
147.5°	214.3	223.5	232.3	239.7	246.8	251.8	254.2	254.9
150°	211.1	218.9	225.6	232.0	237.3	241.5	242.9	243.3
152.5°	207.6	214.3	220.3	224.9	229.1	232.3	233.7	234.1
155°	204.0	209.7	214.6	218.5	222.1	224.5	225.6	225.9
157.5°	200.5	205.4	209.3	212.5	215.3	217.5	218.5	218.5
160°	197.0	200.5	204.0	206.5	209.0	210.7	211.5	211.1
162.5°	193.1	196.2	199.1	201.2	203.0	204.4	204.4	204.4
165°	189.5	192.0	194.1	195.9	197.3	198.0	198.0	198.0
167.5°	186.0	187.8	189.5	190.9	191.6	192.4	192.0	192.0
170°	183.2	184.2	185.3	186.0	186.7	187.1	187.1	186.7
172.5°	180.0	181.0	181.7	182.1	182.1	182.8	182.1	181.7
175°	177.9	177.9	178.6	178.6	178.6	178.9	178.2	177.9
177.5°	176.1	176.4	176.4	176.4	176.1	176.4	175.4	175.4
180°	175.4	175.4	175.4	175.4	175.4	175.4	175.4	175.4

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