

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: P1007420

Luminaire Tested: S122IP-B725UB2750-4F0-XX-W2A-4_4000K

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007420
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16)
Test Lab: INNOVATION CENTER
Issue Date: 5/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122IP-B725UB2750-4F0-XX-W2A-4_4000K
Description: Define 2 Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

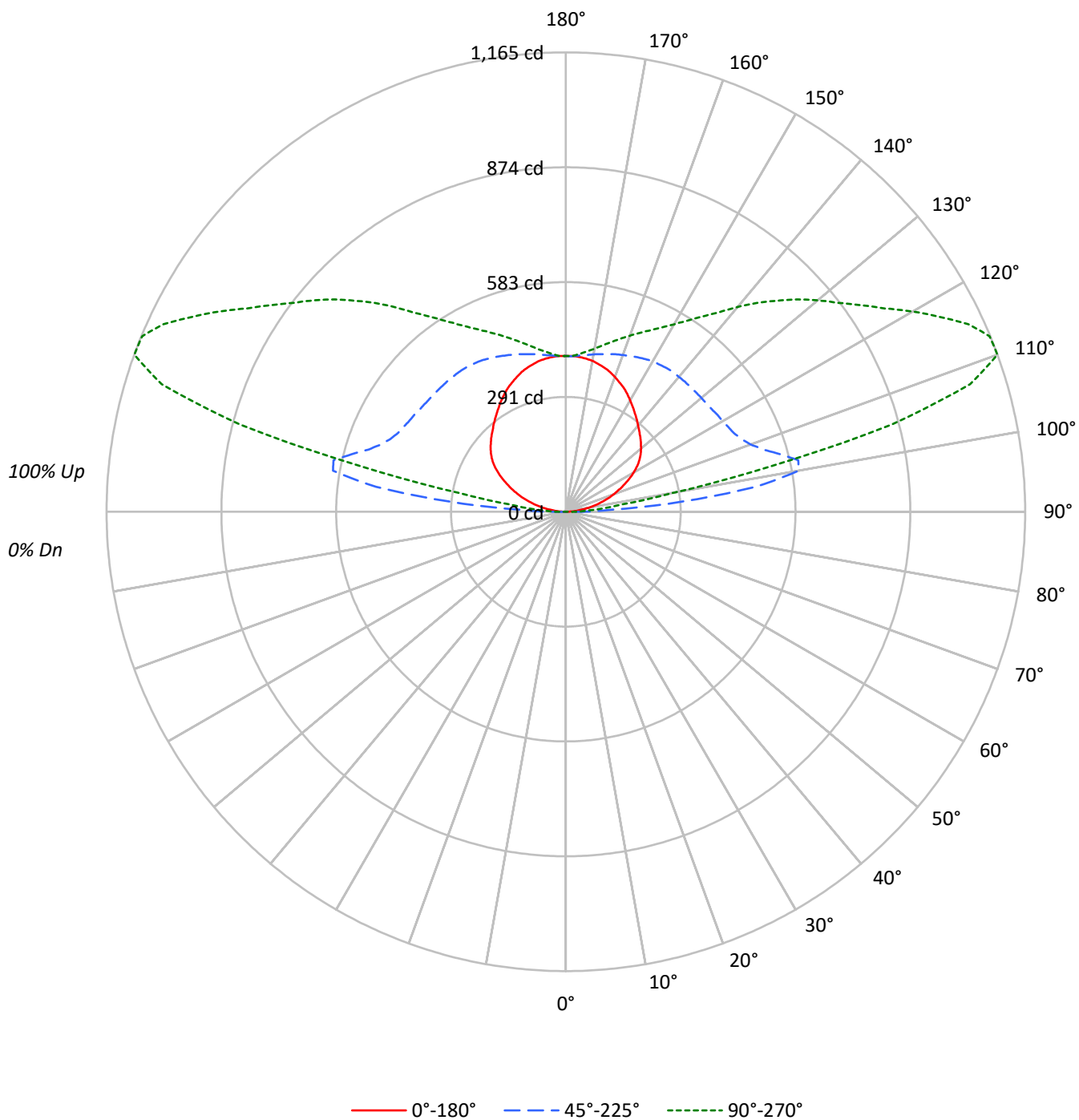
Lumens per Lamp: N/A
Luminaire Lumens: 2752.0 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 21.1
Input Voltage (V):
Input Current (A_{in}): 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: P1007420

CATALOG NUMBER: S122IP-B725UB2750-4F0-XX-W2A-4_4000K

Luminous Intensity Polar Plot





TEST NUMBER: P1007420

CATALOG NUMBER: S122IP-B725UB2750-4F0-XX-W2A-4_4000K

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

TEST NUMBER: P1007420

CATALOG NUMBER: S122IP-B725UB2750-4F0-XX-W2A-4_4000K

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°	2.5	0.1
90°-100°	153.9	5.6
100°-110°	542.0	19.7
110°-120°	569.2	20.7
120°-130°	468.3	17.0
130°-140°	376.2	13.7
140°-150°	284.2	10.3
150°-160°	199.8	7.3
160°-170°	117.6	4.3
170°-180°	38.3	1.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.5	0.1
90°-120°	1265.2	46.0
90°-150°	2393.8	87.0
90°-180°	2749.0	99.9
0°-180°	2752.0	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	10	26	25	25	2
95°	27	65	298	112	87	27
105°	93	140	563	1006	856	98
115°	163	206	471	972	1126	162
125°	228	270	452	787	913	202
135°	267	319	447	661	757	206
145°	305	351	445	552	604	191
155°	347	375	432	489	508	160
165°	378	390	414	439	446	107
175°	394	394	398	403	402	37
180°	395	395	395	395	395	

TEST NUMBER: P1007420

CATALOG NUMBER: S122IP-B725UB2750-4F0-XX-W2A-4_4000K

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°	0.8	3.0	6.1	7.6	9.1	11.4	15.2	20.5	25.1	25.8	25.1
92.5°	11.4	15.9	22.0	25.8	31.9	40.2	60.7	89.6	115.4	116.9	97.9
95°	26.6	29.6	37.2	44.0	56.2	74.4	109.3	175.4	263.5	297.6	260.4
97.5°	39.5	44.0	52.4	62.3	75.9	96.4	141.2	233.1	375.1	485.2	489.0
100°	58.5	60.7	67.6	79.7	94.9	116.2	156.4	249.0	413.0	599.8	709.1
102.5°	75.9	77.4	84.3	96.4	112.4	133.6	170.1	249.8	398.6	603.6	791.1
105°	92.6	95.7	101.0	112.4	129.1	150.3	186.0	253.6	378.9	562.6	764.6
107.5°	110.9	113.1	118.4	129.1	145.8	167.0	202.0	261.9	368.2	524.6	708.4
110°	129.1	132.1	136.7	146.5	162.5	184.5	217.9	272.6	365.2	498.8	656.0

TEST NUMBER: P1007420

CATALOG NUMBER: S122IP-B725UB2750-4F0-XX-W2A-4_4000K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	145.8	148.8	154.1	163.2	178.4	201.2	233.1	284.0	366.0	482.1	619.5
115°	163.2	167.0	171.6	180.7	195.9	216.4	249.0	295.3	369.0	470.7	590.7
117.5°	181.5	184.5	189.1	197.4	211.8	233.1	263.5	307.5	373.6	464.7	571.0
120°	198.2	201.2	205.8	212.6	227.8	249.0	278.6	319.6	378.1	459.3	555.8
122.5°	214.1	216.4	220.9	228.5	243.7	265.7	293.1	330.3	383.4	456.3	542.9
125°	227.8	230.1	234.6	243.7	258.9	280.2	307.5	341.7	388.7	452.5	530.7
127.5°	239.2	242.2	248.3	258.1	272.6	294.6	321.2	352.3	394.1	450.2	519.3
130°	249.0	252.1	259.7	270.3	285.5	306.7	333.3	362.2	400.1	448.7	507.9
132.5°	258.1	261.9	270.3	281.7	297.6	318.9	343.9	372.0	406.2	448.0	498.8
135°	267.3	270.3	279.4	290.8	308.3	329.5	353.8	380.4	410.8	447.2	490.5
137.5°	275.6	279.4	288.5	300.7	318.1	337.9	362.2	387.2	415.3	447.2	484.4
140°	285.5	288.5	297.6	309.8	326.5	346.2	369.0	392.5	418.3	446.4	479.1
142.5°	295.3	297.6	306.0	318.1	334.1	352.3	374.3	397.1	420.6	446.4	473.8
145°	305.2	308.3	315.8	327.2	342.4	359.1	379.6	400.9	422.1	444.9	469.2
147.5°	315.8	318.1	325.7	336.3	349.3	364.4	384.2	403.2	422.9	442.6	464.7
150°	326.5	328.8	334.8	344.7	356.1	369.8	387.2	404.7	422.1	440.4	458.6
152.5°	337.1	337.9	343.9	352.3	362.9	375.1	390.3	405.4	420.6	436.6	453.3
155°	347.0	347.7	352.3	360.6	369.0	380.4	393.3	406.2	419.1	432.0	446.4
157.5°	355.3	356.1	359.9	367.5	374.3	384.2	395.6	406.2	416.1	427.5	440.4
160°	363.7	364.4	367.5	373.6	379.6	388.0	397.1	406.2	413.8	422.9	433.5
162.5°	372.0	371.3	374.3	378.9	384.2	390.3	397.8	405.4	411.5	419.1	427.5
165°	378.1	377.3	378.9	383.4	387.2	391.8	398.6	403.9	408.5	413.8	420.6
167.5°	383.4	382.7	384.2	387.2	390.3	393.3	398.6	403.2	405.4	409.2	413.8
170°	388.7	387.2	388.0	390.3	391.8	394.1	397.8	401.6	403.2	405.4	408.5
172.5°	391.8	391.0	390.3	392.5	393.3	394.8	397.1	399.4	400.1	400.9	403.2
175°	394.1	393.3	392.5	394.1	394.1	394.8	396.3	397.8	397.1	397.8	398.6
177.5°	395.6	394.1	393.3	394.8	394.8	394.8	395.6	397.1	395.6	394.8	395.6
180°	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8

TEST NUMBER: P1007420

CATALOG NUMBER: S122IP-B725UB2750-4F0-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°	24.3	22.8	24.3	25.1	25.1	25.1	25.1	25.1
92.5°	76.7	65.3	56.9	50.9	50.1	47.1	47.8	46.3
95°	198.9	152.6	120.7	104.0	94.1	88.1	85.8	86.6
97.5°	407.0	325.0	248.3	202.7	173.1	157.9	149.6	145.0
100°	693.2	599.0	495.0	403.2	340.1	307.5	285.5	271.8
102.5°	880.7	877.7	808.6	709.9	640.0	578.5	549.7	530.0
105°	922.5	1008.3	1018.2	993.1	946.0	899.0	866.3	855.7
107.5°	877.7	1005.2	1079.7	1110.0	1109.3	1102.4	1092.6	1075.1
110°	816.2	952.1	1049.3	1111.5	1144.2	1158.6	1165.4	1164.7

TEST NUMBER: P1007420

CATALOG NUMBER: S122IP-B725UB2750-4F0-XX-W2A-4_4000K

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	760.0	889.1	994.6	1068.3	1116.9	1143.4	1157.9	1163.2
115°	716.0	832.9	932.4	1010.6	1064.5	1099.4	1119.1	1126.0
117.5°	679.5	784.3	876.9	951.3	1006.8	1044.0	1064.5	1069.8
120°	653.7	747.9	828.3	897.4	950.6	986.3	1008.3	1015.9
122.5°	633.2	717.5	792.7	853.4	899.7	934.6	953.6	959.7
125°	613.5	691.7	758.5	815.4	859.5	888.3	907.3	913.4
127.5°	593.7	665.9	729.6	782.8	821.5	848.8	865.5	870.1
130°	574.8	640.0	700.0	750.1	787.3	813.2	828.3	834.4
132.5°	556.5	615.8	669.7	716.0	752.4	778.2	791.9	797.2
135°	539.8	589.9	640.0	682.6	715.2	740.3	753.9	757.0
137.5°	526.2	569.4	610.4	648.4	679.5	701.5	713.7	718.2
140°	513.3	549.7	584.6	618.0	642.3	662.1	673.5	678.0
142.5°	502.6	532.2	561.1	587.7	610.4	627.9	637.8	637.8
145°	492.8	517.8	541.3	563.4	581.6	594.5	602.1	604.4
147.5°	485.2	505.7	524.6	541.3	557.3	567.9	573.2	574.8
150°	476.8	493.5	509.5	523.1	534.5	543.6	548.2	548.9
152.5°	468.5	483.6	496.5	507.9	516.3	523.9	526.9	526.9
155°	460.9	473.0	484.4	492.8	501.1	506.4	509.5	507.9
157.5°	451.8	462.4	472.3	479.1	485.2	489.7	491.2	491.2
160°	443.4	451.8	460.1	465.4	470.7	474.5	475.3	475.3
162.5°	435.0	441.9	448.7	452.5	457.8	460.1	460.9	460.1
165°	426.7	432.0	437.3	440.4	443.4	446.4	446.4	445.7
167.5°	418.3	422.9	426.7	429.7	431.3	432.8	432.8	432.0
170°	412.3	414.5	417.6	419.1	419.9	422.1	421.4	419.9
172.5°	405.4	407.0	409.2	410.0	410.8	411.5	410.8	410.0
175°	400.9	401.6	402.4	403.2	403.2	403.9	403.2	401.6
177.5°	397.1	397.1	397.8	397.8	397.8	397.8	397.1	395.6
180°	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8

(END OF REPORT)