

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: P1007811

Luminaire Tested: S125IP-B1270UB2750-4F0-XX-W2A-4_5000K

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007811
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-B1270UB2750-4F0-XX-W2A-4_5000K
Description: Define 5 Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

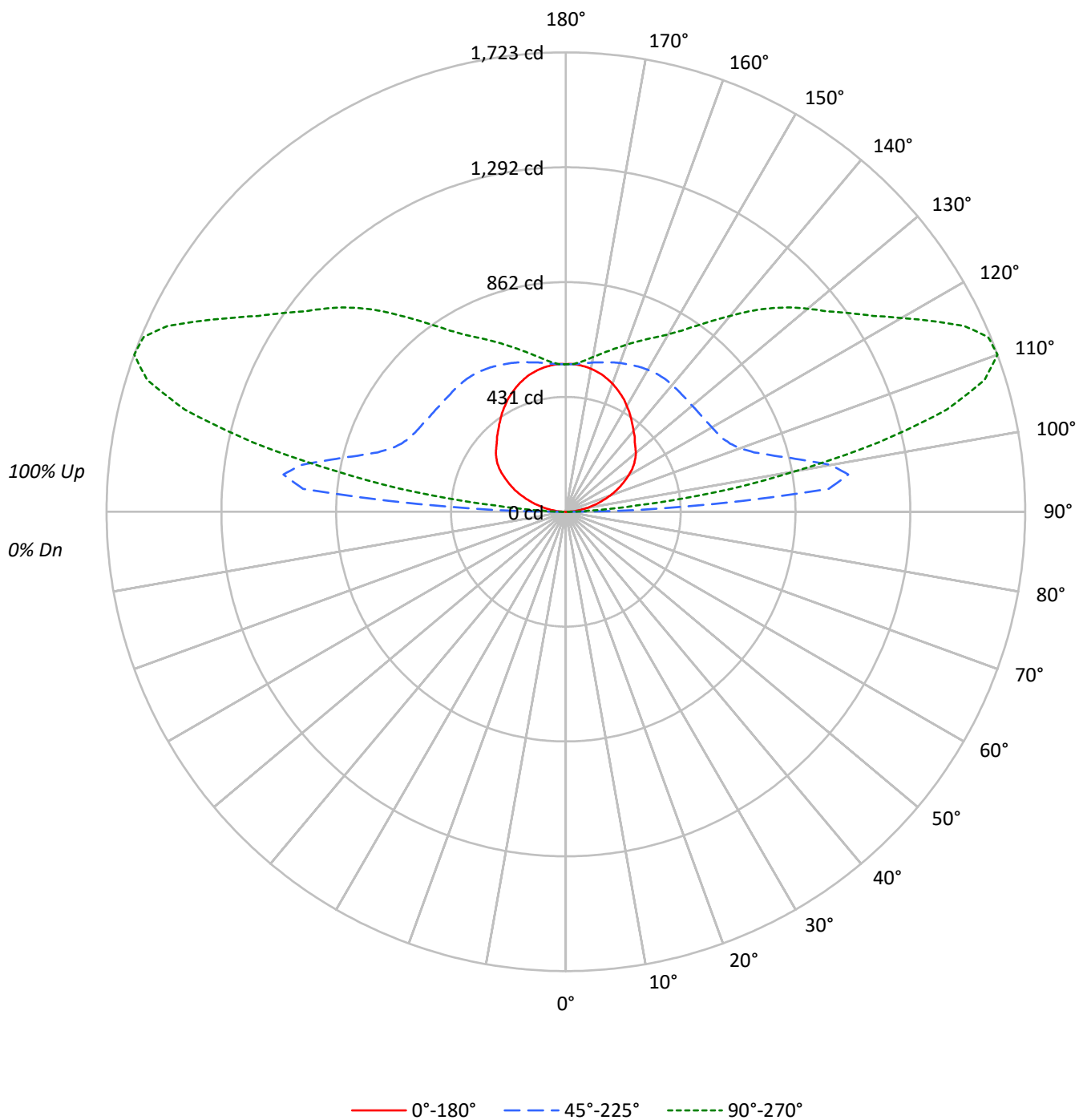
Lumens per Lamp: N/A
Luminaire Lumens: 4162.0 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 35
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: P1007811

CATALOG NUMBER: S125IP-B1270UB2750-4F0-XX-W2A-4_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1007811

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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°	2.2	0.1
90°-100°	402.9	9.7
100°-110°	868.7	20.9
110°-120°	809.9	19.5
120°-130°	656.0	15.8
130°-140°	526.7	12.7
140°-150°	397.3	9.5
150°-160°	279.8	6.7
160°-170°	164.9	4.0
170°-180°	53.6	1.3
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.2	0.1
90°-120°	2081.5	50.0
90°-150°	3661.5	88.0
90°-180°	4160.0	100.0
0°-180°	4162.0	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	18	23	26	3
95°	37	109	989	449	262	38
105°	126	176	810	1594	1480	133
115°	226	272	650	1401	1648	222
125°	313	366	623	1114	1299	278
135°	366	440	619	934	1079	284
145°	426	488	621	773	851	267
155°	487	524	605	684	714	224
165°	532	546	581	616	625	150
175°	553	553	557	564	562	53
180°	554	554	554	554	554	

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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°	1.1	2.2	4.5	6.7	8.9	11.2	12.3	14.5	15.6	17.9	19.0
92.5°	16.7	20.1	31.3	48.0	71.5	111.7	187.6	314.9	453.3	445.5	359.5
95°	36.8	38.0	46.9	59.2	83.7	134.0	253.5	499.1	807.3	989.3	968.1
97.5°	56.9	58.1	64.8	77.0	99.4	136.2	218.9	407.6	740.3	1068.6	1209.3
100°	78.2	80.4	84.9	97.1	118.4	151.9	216.6	361.8	643.2	1008.3	1287.4
102.5°	101.6	102.7	106.1	119.5	138.5	170.8	226.7	342.8	569.5	902.2	1240.5
105°	126.2	126.2	131.8	142.9	160.8	192.1	241.2	340.6	527.0	809.5	1130.0
107.5°	149.6	151.9	157.4	166.4	185.4	213.3	261.3	348.4	504.7	740.3	1025.0
110°	175.3	177.5	182.0	192.1	208.8	237.8	283.6	360.7	495.8	694.5	937.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	201.0	203.2	206.6	216.6	233.4	261.3	304.8	376.3	495.8	667.7	873.2
115°	225.6	227.8	231.1	241.2	257.9	285.8	327.2	391.9	499.1	649.9	829.6
117.5°	247.9	251.2	254.6	264.6	283.6	310.4	349.5	409.8	504.7	639.8	800.6
120°	270.2	273.6	278.0	288.1	307.1	335.0	374.1	427.7	513.6	633.1	777.1
122.5°	293.7	295.9	299.2	309.3	330.5	358.4	397.5	447.8	521.4	627.5	757.0
125°	312.6	314.9	320.5	330.5	351.7	380.8	417.6	465.6	530.4	623.1	739.2
127.5°	328.3	331.6	338.3	350.6	372.9	402.0	437.7	482.4	540.4	620.8	722.4
130°	342.8	346.1	355.1	369.6	393.0	422.1	456.7	499.1	549.4	618.6	705.7
132.5°	354.0	358.4	369.6	386.3	410.9	439.9	474.6	513.6	559.4	618.6	692.3
135°	366.2	370.7	384.1	402.0	425.4	455.6	490.2	527.0	568.3	618.6	682.2
137.5°	381.9	385.2	397.5	415.4	438.8	470.1	501.3	537.1	577.3	619.7	672.2
140°	395.3	398.6	412.0	429.9	451.1	481.3	513.6	547.1	582.9	620.8	665.5
142.5°	410.9	413.1	425.4	443.3	463.4	491.3	521.4	552.7	586.2	621.9	659.9
145°	426.5	428.8	439.9	455.6	475.7	501.3	530.4	558.3	588.4	620.8	654.3
147.5°	443.3	444.4	454.5	469.0	486.8	510.3	536.0	561.6	589.6	618.6	648.7
150°	457.8	460.0	467.9	482.4	498.0	517.0	541.5	565.0	589.6	615.2	642.0
152.5°	473.4	474.6	481.3	493.5	508.0	524.8	547.1	567.2	588.4	610.8	634.2
155°	486.8	486.8	493.5	504.7	515.9	531.5	550.5	568.3	586.2	605.2	625.3
157.5°	499.1	499.1	504.7	514.7	524.8	537.1	553.8	569.5	584.0	599.6	617.5
160°	511.4	510.3	514.7	522.6	531.5	541.5	556.1	569.5	580.6	594.0	607.4
162.5°	521.4	520.3	524.8	531.5	538.2	546.0	558.3	568.3	577.3	587.3	598.5
165°	531.5	529.3	532.6	538.2	542.7	549.4	558.3	567.2	573.9	580.6	589.6
167.5°	538.2	537.1	539.3	542.7	546.0	550.5	558.3	565.0	568.3	573.9	580.6
170°	544.9	543.8	544.9	547.1	549.4	552.7	558.3	562.8	565.0	568.3	572.8
172.5°	549.4	547.1	548.2	550.5	551.6	552.7	557.2	560.5	560.5	561.6	565.0
175°	552.7	550.5	551.6	552.7	552.7	552.7	556.1	558.3	557.2	557.2	558.3
177.5°	554.9	552.7	552.7	553.8	552.7	552.7	554.9	556.1	553.8	553.8	554.9
180°	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8

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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°	20.1	21.2	22.3	24.6	24.6	24.6	25.7	25.7
92.5°	242.3	174.2	129.5	108.3	90.4	87.1	84.9	82.6
95°	802.8	633.1	495.8	402.0	322.7	289.2	280.3	262.4
97.5°	1151.2	1016.1	877.6	743.6	676.7	618.6	588.4	575.0
100°	1373.4	1318.7	1203.7	1087.6	1010.5	930.1	888.8	870.9
102.5°	1448.2	1504.0	1463.9	1394.6	1310.9	1259.5	1213.7	1201.5
105°	1398.0	1550.9	1600.1	1587.8	1552.1	1515.2	1492.9	1479.5
107.5°	1295.2	1497.3	1615.7	1664.8	1674.9	1669.3	1658.1	1647.0
110°	1179.1	1391.3	1548.7	1643.6	1693.9	1715.1	1722.9	1722.9

TEST NUMBER: P1007811

CATALOG NUMBER: S125IP-B1270UB2750-4F0-XX-W2A-4_5000K

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	1087.6	1286.3	1446.0	1562.1	1641.4	1681.6	1703.9	1714.0
115°	1013.9	1186.9	1339.9	1461.6	1548.7	1602.3	1633.6	1648.1
117.5°	962.5	1115.5	1249.5	1364.5	1452.7	1508.5	1539.8	1548.7
120°	922.3	1056.3	1179.1	1277.4	1360.0	1413.6	1443.8	1452.7
122.5°	892.2	1013.9	1119.9	1210.4	1281.8	1329.9	1360.0	1367.8
125°	863.1	977.0	1074.2	1154.6	1217.1	1262.9	1287.4	1298.6
127.5°	833.0	941.3	1032.8	1108.8	1165.7	1207.0	1230.5	1234.9
130°	805.1	903.3	990.4	1063.0	1118.8	1155.7	1178.0	1184.7
132.5°	777.1	867.6	944.6	1013.9	1069.7	1106.5	1126.6	1134.5
135°	753.7	830.7	902.2	965.9	1015.0	1051.8	1071.9	1078.6
137.5°	732.5	797.2	858.7	914.5	959.2	993.8	1012.7	1020.6
140°	715.7	768.2	819.6	866.5	907.8	936.8	953.6	959.2
142.5°	701.2	743.6	786.1	825.2	858.7	882.1	897.7	902.2
145°	688.9	723.6	758.2	788.3	815.1	834.1	846.4	850.8
147.5°	676.7	705.7	733.6	757.0	779.4	795.0	802.8	805.1
150°	666.6	691.2	712.4	732.5	749.2	762.6	767.1	768.2
152.5°	655.4	676.7	695.6	710.2	723.6	733.6	738.1	739.2
155°	644.3	662.1	677.8	690.1	701.2	709.0	712.4	713.5
157.5°	633.1	648.7	661.0	671.1	680.0	686.7	690.1	690.1
160°	621.9	633.1	644.3	652.1	659.9	665.5	667.7	666.6
162.5°	609.7	619.7	628.6	635.3	640.9	645.4	645.4	645.4
165°	598.5	606.3	613.0	618.6	623.1	625.3	625.3	625.3
167.5°	587.3	592.9	598.5	603.0	605.2	607.4	606.3	606.3
170°	578.4	581.7	585.1	587.3	589.6	590.7	590.7	589.6
172.5°	568.3	571.7	573.9	575.0	575.0	577.3	575.0	573.9
175°	561.6	561.6	563.9	563.9	563.9	565.0	562.8	561.6
177.5°	556.1	557.2	557.2	557.2	556.1	557.2	553.8	553.8
180°	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8

(END OF REPORT)