

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P236399

Luminaire Tested: **SKB4-LD5-30-N-UNV-L850-CD4-U**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P236399  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1710-365-8)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: SKB4-LD5-30-N-UNV-L850-CD4-U  
Description: METALUX SKYBAR LED WAVESTREAM LUMINAIRE  
4 BLADES WITH NARROW DISTRIBUTION LENS, ALL BLADES VERTICAL  
Light Source: (952) 5000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

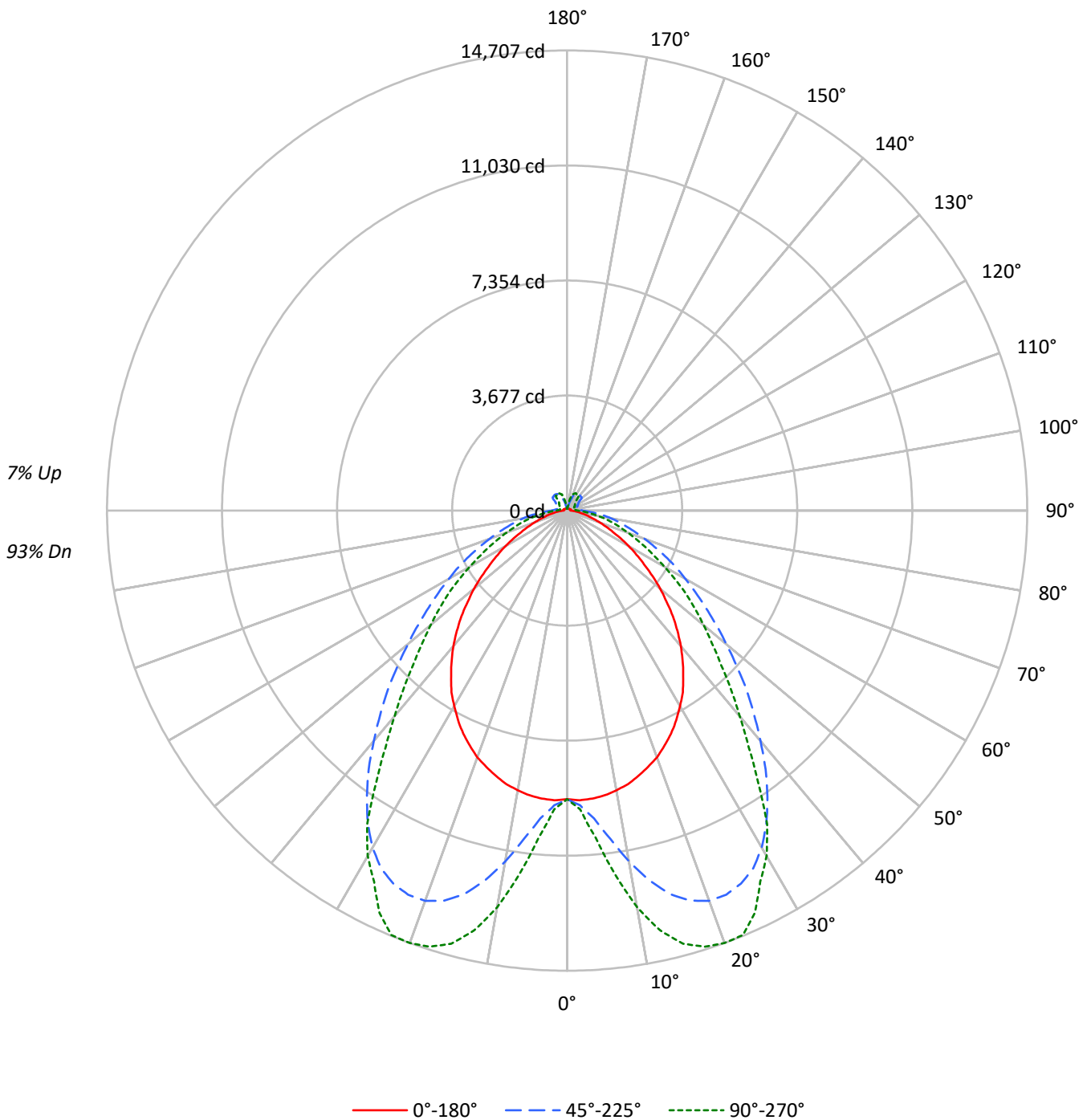
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34073.0 lumens  
Efficiency: N/A  
Efficacy: 130.8 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.56 / 1.53  
Luminous Opening: Rectangular w/ Sides (W: 1.88' x L: 4' x H: 0.21')  
CIE Type: Direct  
  
Input Watts (W): 260.5  
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: 25 FT

TEST NUMBER: P236399

CATALOG NUMBER: SKB4-LD5-30-N-UNV-L850-CD4-U

### Luminous Intensity Polar Plot





TEST NUMBER: P236399

CATALOG NUMBER: SKB4-LD5-30-N-UNV-L850-CD4-U

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	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	0
RCR																		
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	107	103	99	95	104	100	96	93	94	91	89	89	87	85	85	83	81	78
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	69	66
3	90	80	72	66	87	78	71	65	74	68	63	70	65	61	67	63	59	57
4	83	71	63	57	80	70	62	56	66	60	54	63	57	53	60	55	51	49
5	76	64	55	49	74	63	55	49	60	53	47	57	51	46	55	49	45	43
6	71	58	49	43	68	57	49	43	54	47	42	52	46	41	50	44	40	38
7	66	53	44	38	64	51	44	38	49	42	37	47	41	36	45	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33	44	37	33	42	36	32	30
9	57	44	36	31	55	43	36	31	42	35	30	40	34	30	39	33	29	27
10	54	41	33	28	52	40	33	28	39	32	27	37	31	27	36	30	27	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	13232	13232	13232
5°	13251	14088	14985
10°	13108	16257	18398
15°	12873	18284	20675
20°	12582	19452	21588
25°	12155	19765	21359
30°	11602	19319	19848
35°	10928	18092	17327
40°	10149	16412	14705
45°	9220	14762	12686
50°	8151	13032	11226
55°	7004	11603	10007
60°	5986	10414	8650
65°	4911	9416	7537
70°	4060	8396	6612
75°	3347	7608	5964
80°	2890	7095	5171
85°	2649	6395	4514



TEST NUMBER: P236399

CATALOG NUMBER: SKB4-LD5-30-N-UNV-L850-CD4-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	983.2	2.9
10°-20°	3420.2	10.0
20°-30°	5580.8	16.4
30°-40°	6243.1	18.3
40°-50°	5524.4	16.2
50°-60°	4278.5	12.6
60°-70°	2953.9	8.7
70°-80°	1836.7	5.4
80°-90°	912.0	2.7
90°-100°	379.5	1.1
100°-110°	317.7	0.9
110°-120°	349.4	1.0
120°-130°	362.6	1.1
130°-140°	355.1	1.0
140°-150°	306.5	0.9
150°-160°	194.0	0.6
160°-170°	68.2	0.2
170°-180°	7.2	0.0
0°-30°	9984.2	29.3
0°-40°	16227.3	47.6
0°-60°	26030.2	76.4
0°-90°	31732.8	93.1
90°-120°	1046.6	3.1
90°-150°	2070.9	6.1
90°-180°	2340.0	6.9
0°-180°	34073.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9219	9219	9219	9219	9219	
5°	9240	9449	9878	10260	10502	877
15°	8784	10323	12686	13938	14329	2475
25°	7862	10624	13153	14093	14187	3612
35°	6465	9386	11160	10954	10659	4040
45°	4779	7136	8112	7448	6945	3672
55°	3007	4842	5401	4936	4634	2711
65°	1608	3137	3459	3018	2748	1621
75°	721	2060	1963	1729	1522	783
85°	257	1139	901	720	622	250
90°	103	656	494	398	337	67
95°	112	468	367	286	254	92
105°	116	436	281	246	230	123
115°	103	588	367	277	250	103
125°	91	611	448	332	302	82
135°	73	549	618	426	370	58
145°	67	426	632	609	581	42
155°	67	190	545	604	604	31
165°	68	77	221	368	418	19
175°	67	67	68	71	60	6
180°	65	65	65	65	65	



TEST NUMBER: P236399

CATALOG NUMBER: SKB4-LD5-30-N-UNV-L850-CD4-U

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	9219.4	9219.4	9219.4	9219.4	9219.4	9219.4	9219.4	9219.4	9219.4	9219.4	9219.4
2.5°	9268.1	9248.9	9250.2	9277.1	9291.2	9284.8	9305.3	9334.9	9370.8	9413.1	9428.5
5°	9239.9	9230.9	9270.7	9352.8	9420.8	9449.0	9490.1	9582.5	9682.5	9760.8	9877.5
7.5°	9179.6	9188.6	9282.3	9417.0	9555.5	9618.4	9692.8	9860.9	10104.6	10322.7	10584.5
10°	9077.0	9114.2	9273.3	9467.0	9683.8	9810.8	9955.8	10295.8	10693.5	11037.3	11382.5
12.5°	8958.9	9023.1	9222.0	9488.8	9850.6	10054.6	10291.9	10775.6	11251.6	11676.3	12094.5
15°	8784.5	8901.2	9150.1	9509.3	10037.9	10322.7	10610.1	11166.9	11732.7	12266.4	12686.0
17.5°	8590.7	8747.3	9043.6	9538.8	10193.2	10515.2	10833.4	11468.4	12118.9	12629.5	13070.8
20°	8394.4	8553.5	8902.5	9538.8	10275.3	10634.5	10986.0	11695.5	12319.0	12846.3	13271.0
22.5°	8131.4	8352.1	8742.1	9490.1	10288.1	10674.3	11059.2	11749.4	12380.6	12870.7	13286.4
25°	7862.0	8073.7	8559.9	9369.5	10209.8	10624.2	10992.4	11681.4	12281.8	12757.8	13153.0
27.5°	7552.8	7777.3	8323.9	9187.3	10048.2	10445.9	10810.3	11468.4	12066.3	12523.0	12882.3
30°	7211.5	7460.4	8055.7	8919.2	9776.2	10161.1	10520.3	11146.4	11714.8	12117.6	12434.5
32.5°	6881.8	7101.2	7724.7	8595.9	9431.1	9799.3	10134.1	10743.5	11243.9	11603.1	11853.3
35°	6464.9	6698.4	7355.2	8217.4	9014.1	9386.2	9662.0	10227.8	10687.1	10969.3	11160.5
37.5°	6068.4	6278.8	6939.6	7795.3	8535.6	8856.3	9151.4	9665.9	10067.4	10322.7	10419.0
40°	5654.0	5845.2	6494.4	7301.4	8000.6	8298.2	8575.3	9046.2	9399.0	9581.2	9608.1
42.5°	5215.3	5382.0	6028.7	6776.6	7437.3	7726.0	8000.6	8399.6	8702.4	8870.4	8840.9
45°	4779.0	4911.2	5545.0	6248.0	6863.9	7135.9	7356.5	7736.3	8012.1	8104.5	8112.2
47.5°	4305.6	4451.9	5049.7	5729.7	6305.8	6536.7	6733.0	7098.6	7320.6	7379.6	7345.0
50°	3877.1	4006.7	4555.8	5183.2	5731.0	5923.4	6133.9	6472.6	6631.6	6693.2	6639.3
52.5°	3437.1	3574.3	4088.8	4668.7	5152.4	5393.6	5551.4	5856.7	5987.6	6021.0	6000.4
55°	3007.3	3167.6	3652.6	4177.3	4650.7	4841.9	5036.9	5290.9	5403.8	5398.7	5401.3
57.5°	2627.5	2759.7	3229.2	3736.0	4186.3	4349.3	4523.7	4736.7	4843.2	4868.9	4866.3
60°	2273.4	2404.3	2858.4	3308.8	3745.0	3919.5	4056.7	4233.8	4327.4	4346.7	4353.1
62.5°	1928.3	2074.6	2504.3	2948.3	3356.2	3521.7	3642.3	3811.7	3870.7	3883.5	3922.0
65°	1607.6	1778.2	2190.0	2630.1	2995.7	3136.8	3243.3	3385.7	3451.2	3490.9	3458.9
67.5°	1338.1	1521.6	1925.7	2356.8	2690.4	2820.0	2917.5	3027.8	3084.2	3090.7	3018.8
70°	1105.9	1302.2	1692.2	2096.4	2417.1	2535.1	2623.7	2712.2	2701.9	2663.4	2635.2
72.5°	899.4	1105.9	1507.5	1883.4	2179.8	2285.0	2356.8	2409.4	2353.0	2327.3	2285.0
75°	721.0	940.4	1348.4	1702.5	1970.6	2060.4	2095.1	2086.1	2048.9	2010.4	1962.9
77.5°	572.2	800.6	1195.7	1537.0	1773.1	1829.5	1846.2	1812.8	1761.5	1725.6	1679.4
80°	452.9	687.7	1068.7	1385.6	1552.4	1592.2	1602.4	1556.2	1501.1	1470.3	1420.2
82.5°	345.1	587.6	946.8	1211.1	1343.3	1367.6	1361.2	1309.9	1265.0	1208.6	1158.5
85°	256.6	492.7	816.0	1027.7	1122.6	1139.3	1123.9	1070.0	1022.5	966.1	900.6
87.5°	179.6	404.1	668.4	830.1	904.5	903.2	885.2	837.8	781.3	731.3	680.0
90°	102.6	287.4	491.4	599.1	651.7	655.6	641.5	600.4	567.1	537.6	493.9
92.5°	105.2	219.4	372.1	490.1	549.1	555.5	554.2	527.3	491.4	455.5	423.4
95°	111.6	182.2	290.0	384.9	450.3	468.3	476.0	460.6	433.6	401.6	366.9
97.5°	115.5	191.2	284.8	351.5	390.0	401.6	413.1	405.4	384.9	357.9	329.7
100°	119.3	210.4	306.6	363.1	388.7	388.7	382.3	366.9	354.1	333.6	307.9
102.5°	119.3	219.4	337.4	387.5	410.5	408.0	402.9	365.6	329.7	316.9	297.6
105°	115.5	223.2	366.9	429.8	434.9	436.2	425.9	395.2	351.5	314.3	281.0
107.5°	115.5	219.4	378.5	456.7	467.0	459.3	451.6	419.5	377.2	341.3	301.5
110°	112.9	215.5	383.6	492.7	519.6	492.7	476.0	443.9	401.6	360.5	329.7



TEST NUMBER: P236399

CATALOG NUMBER: SKB4-LD5-30-N-UNV-L850-CD4-U

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	107.8	201.4	379.8	502.9	551.7	541.4	510.6	465.7	423.4	382.3	347.7
115°	102.6	180.9	368.2	504.2	573.5	587.6	579.9	495.2	443.9	402.9	366.9
117.5°	100.1	164.2	363.1	504.2	588.9	604.3	612.0	538.8	468.3	420.8	386.2
120°	97.5	143.7	351.5	499.1	590.2	615.8	626.1	618.4	502.9	442.6	401.6
122.5°	94.9	124.4	338.7	490.1	586.3	615.8	635.1	635.1	570.9	470.8	420.8
125°	91.1	111.6	305.3	473.4	578.6	610.7	633.8	646.6	624.8	519.6	447.8
127.5°	87.2	98.8	279.7	459.3	567.1	601.7	626.1	647.9	641.5	605.6	488.8
130°	83.4	87.2	247.6	447.8	550.4	587.6	615.8	645.3	642.8	632.5	590.2
132.5°	78.3	80.8	210.4	422.1	527.3	570.9	601.7	637.6	646.6	628.7	628.7
135°	73.1	74.4	170.6	368.2	506.8	549.1	586.3	627.4	644.0	637.6	618.4
137.5°	70.6	71.8	133.4	325.9	501.6	526.0	563.2	615.8	638.9	641.5	629.9
140°	69.3	69.3	106.5	288.7	472.1	517.0	538.8	597.9	628.7	638.9	635.1
142.5°	68.0	68.0	88.5	247.6	400.3	496.5	527.3	574.8	615.8	633.8	636.4
145°	66.7	68.0	78.3	198.9	349.0	425.9	514.5	547.8	595.3	622.2	632.5
147.5°	66.7	68.0	75.7	147.5	301.5	359.2	434.9	538.8	567.1	604.3	623.5
150°	66.7	66.7	74.4	105.2	248.9	313.0	368.2	506.8	542.7	577.3	603.0
152.5°	66.7	66.7	73.1	87.2	189.9	257.9	314.3	411.8	532.4	546.5	570.9
155°	66.7	66.7	71.8	79.5	128.3	189.9	255.3	343.8	432.4	533.7	545.3
157.5°	68.0	68.0	70.6	77.0	94.9	125.7	180.9	283.5	354.1	436.2	517.0
160°	68.0	68.0	69.3	75.7	82.1	91.1	111.6	198.9	284.8	341.3	400.3
162.5°	68.0	68.0	69.3	73.1	78.3	80.8	86.0	120.6	198.9	275.8	320.7
165°	68.0	68.0	68.0	70.6	75.7	77.0	79.5	87.2	110.3	161.7	220.7
167.5°	68.0	68.0	68.0	69.3	71.8	74.4	75.7	79.5	83.4	89.8	110.3
170°	68.0	68.0	68.0	68.0	69.3	70.6	71.8	74.4	77.0	78.3	80.8
172.5°	66.7	68.0	66.7	66.7	66.7	68.0	68.0	69.3	70.6	71.8	73.1
175°	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	68.0
177.5°	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	65.4	65.4
180°	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4



TEST NUMBER: P236399

CATALOG NUMBER: SKB4-LD5-30-N-UNV-L850-CD4-U

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	9219.4	9219.4	9219.4	9219.4	9219.4	9219.4	9219.4	9219.4	9219.4	9219.4
2.5°	9454.2	9463.1	9467.0	9509.3	9513.2	9508.1	9514.5	9558.1	9559.4	9559.4
5°	9946.8	10040.5	10150.8	10229.1	10259.9	10271.4	10363.8	10408.7	10420.2	10502.4
7.5°	10833.4	10965.5	11128.4	11270.8	11353.0	11400.4	11486.4	11592.9	11637.8	11728.9
10°	11680.1	11943.1	12157.4	12340.8	12464.0	12511.5	12628.2	12766.8	12866.9	12872.0
12.5°	12447.3	12764.2	13013.1	13241.5	13313.3	13398.0	13536.6	13632.8	13722.6	13745.7
15°	13067.0	13358.2	13618.7	13848.3	13938.1	13999.7	14139.6	14243.5	14296.1	14329.4
17.5°	13455.7	13738.0	13980.5	14185.7	14256.3	14328.2	14446.2	14536.0	14595.0	14615.5
20°	13612.3	13883.0	14106.2	14299.9	14369.2	14430.8	14543.7	14633.5	14689.9	14706.6
22.5°	13609.7	13859.9	14085.7	14267.9	14339.7	14409.0	14521.9	14601.4	14656.6	14681.0
25°	13457.0	13709.8	13912.5	14054.9	14093.4	14134.4	14189.6	14198.6	14230.6	14187.0
27.5°	13151.7	13369.8	13469.8	13505.8	13500.6	13490.4	13453.2	13418.5	13413.4	13368.5
30°	12642.3	12769.3	12814.3	12783.5	12795.0	12718.0	12703.9	12683.4	12719.3	12745.0
32.5°	11986.7	12047.0	11984.2	11947.0	11921.3	11907.2	11916.2	11920.0	11908.5	11893.1
35°	11215.7	11159.2	11087.4	10975.8	10954.0	10910.3	10834.6	10779.5	10734.6	10658.9
37.5°	10384.3	10294.5	10218.8	10082.8	9993.0	9952.0	9792.9	9680.0	9567.1	9531.1
40°	9551.7	9443.9	9350.2	9197.6	9124.4	9042.3	8830.6	8739.6	8643.3	8580.5
42.5°	8774.2	8693.4	8549.7	8385.5	8250.7	8149.4	7982.6	7862.0	7792.7	7747.8
45°	8014.7	7910.8	7729.9	7552.8	7447.6	7345.0	7189.7	7082.0	6981.9	6944.7
47.5°	7297.5	7155.1	7010.1	6825.4	6711.2	6630.4	6526.4	6399.4	6319.9	6281.4
50°	6567.5	6459.7	6304.5	6128.7	6063.3	5978.6	5856.7	5765.6	5704.1	5693.8
52.5°	5924.7	5828.5	5689.9	5529.6	5448.8	5406.4	5289.7	5208.8	5174.2	5149.8
55°	5346.1	5261.4	5121.6	4998.4	4935.6	4889.4	4785.5	4709.8	4682.8	4634.1
57.5°	4802.1	4741.8	4641.8	4512.2	4469.8	4401.9	4283.8	4204.3	4128.6	4093.9
60°	4326.2	4254.3	4137.6	4023.4	3942.6	3870.7	3754.0	3674.4	3596.2	3593.6
62.5°	3872.0	3775.8	3639.8	3503.8	3448.6	3401.1	3278.0	3195.9	3151.0	3147.1
65°	3381.9	3292.1	3179.2	3081.7	3017.5	2973.9	2907.2	2821.2	2767.4	2748.1
67.5°	2945.7	2877.7	2787.9	2703.2	2658.3	2618.5	2519.7	2451.7	2397.9	2383.7
70°	2576.2	2514.6	2442.8	2346.5	2306.8	2261.9	2179.8	2106.6	2055.3	2056.6
72.5°	2234.9	2179.8	2113.0	2028.4	1987.3	1959.1	1883.4	1830.8	1784.6	1770.5
75°	1919.3	1871.8	1830.8	1758.9	1729.4	1693.5	1623.0	1574.2	1538.3	1521.6
77.5°	1647.3	1612.7	1553.7	1484.4	1461.3	1415.1	1352.2	1306.1	1270.1	1268.9
80°	1371.5	1318.9	1270.1	1207.3	1179.0	1148.3	1086.7	1046.9	1021.2	1020.0
82.5°	1104.6	1059.7	1012.3	953.2	934.0	910.9	873.7	835.2	817.2	799.3
85°	864.7	822.4	782.6	744.1	719.7	706.9	668.4	653.0	624.8	622.2
87.5°	644.0	613.3	594.0	559.4	547.8	538.8	514.5	491.4	482.4	470.8
90°	461.9	436.2	422.1	400.3	397.7	384.9	374.6	357.9	343.8	337.4
92.5°	392.6	365.6	350.2	333.6	325.9	322.0	307.9	296.4	291.2	284.8
95°	338.7	316.9	302.8	291.2	286.1	281.0	272.0	265.6	257.9	254.0
97.5°	302.8	286.1	274.6	264.3	260.4	257.9	250.2	243.8	238.6	234.8
100°	284.8	268.1	257.9	250.2	245.0	242.5	236.1	230.9	227.1	224.5
102.5°	277.1	261.7	252.7	246.3	243.8	239.9	234.8	230.9	227.1	224.5
105°	272.0	261.7	252.7	247.6	246.3	243.8	238.6	236.1	233.5	229.7
107.5°	272.0	247.6	242.5	247.6	247.6	245.0	241.2	238.6	236.1	233.5
110°	296.4	270.7	254.0	239.9	233.5	229.7	225.8	228.4	230.9	227.1





TEST NUMBER: P236399

CATALOG NUMBER: SKB4-LD5-30-N-UNV-L850-CD4-U

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	319.5	295.1	274.6	257.9	252.7	247.6	245.0	242.5	237.3	236.1
115°	336.1	309.2	293.8	282.3	277.1	273.3	265.6	259.2	255.3	250.2
117.5°	354.1	325.9	305.3	291.2	287.4	284.8	281.0	277.1	273.3	270.7
120°	370.8	342.6	320.7	306.6	301.5	296.4	291.2	284.8	279.7	275.8
122.5°	384.9	359.2	337.4	320.7	316.9	311.8	304.1	297.6	291.2	288.7
125°	406.7	375.9	352.8	337.4	332.3	328.4	319.5	313.0	305.3	301.5
127.5°	431.1	397.7	373.3	354.1	347.7	341.3	332.3	324.6	318.2	315.6
130°	476.0	425.9	396.4	374.6	366.9	360.5	350.2	340.0	332.3	329.7
132.5°	581.2	485.0	428.5	400.3	391.3	379.8	368.2	357.9	349.0	346.4
135°	626.1	578.6	546.5	445.2	425.9	414.4	392.6	381.0	369.5	369.5
137.5°	610.7	615.8	603.0	563.2	553.0	540.1	463.2	423.4	408.0	404.1
140°	624.8	606.8	592.7	615.8	610.7	601.7	558.1	544.0	535.0	529.9
142.5°	631.2	622.2	608.1	594.0	590.2	585.0	594.0	603.0	603.0	599.1
145°	633.8	628.7	622.2	613.3	609.4	604.3	597.9	590.2	583.7	581.2
147.5°	629.9	629.9	626.1	622.2	618.4	615.8	609.4	604.3	597.9	595.3
150°	619.7	626.1	626.1	626.1	624.8	623.5	617.1	610.7	606.8	604.3
152.5°	596.6	610.7	618.4	621.0	622.2	624.8	624.8	623.5	619.7	617.1
155°	561.9	581.2	594.0	601.7	604.3	605.6	609.4	608.1	606.8	604.3
157.5°	544.0	544.0	561.9	577.3	579.9	583.7	587.6	587.6	583.7	582.5
160°	473.4	528.6	544.0	538.8	540.1	544.0	550.4	555.5	559.4	555.5
162.5°	357.9	396.4	445.2	492.7	508.1	519.6	538.8	537.6	533.7	532.4
165°	270.7	313.0	334.9	354.1	368.2	378.5	396.4	411.8	417.0	418.2
167.5°	154.0	188.6	224.5	252.7	264.3	279.7	286.1	300.2	304.1	297.6
170°	84.7	92.4	101.4	115.5	118.0	128.3	139.8	161.7	165.5	155.2
172.5°	75.7	77.0	78.3	79.5	79.5	79.5	79.5	79.5	75.7	71.8
175°	68.0	69.3	69.3	70.6	70.6	70.6	69.3	66.7	62.9	60.3
177.5°	65.4	65.4	65.4	65.4	65.4	65.4	64.1	60.3	56.5	53.9
180°	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4

(END OF REPORT)