

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: P236412

Luminaire Tested: **SKB4-LD5-36-W-UNV-L835-CD4-U**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P236412  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1710-365-7)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: SKB4-LD5-36-W-UNV-L835-CD4-U  
Description: METALUX SKYBAR LED WAVESTREAM LUMINAIRE  
4 BLADES WITH WIDE DISTRIBUTION LENS, ALL BLADES VERTICAL  
Light Source: (952) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

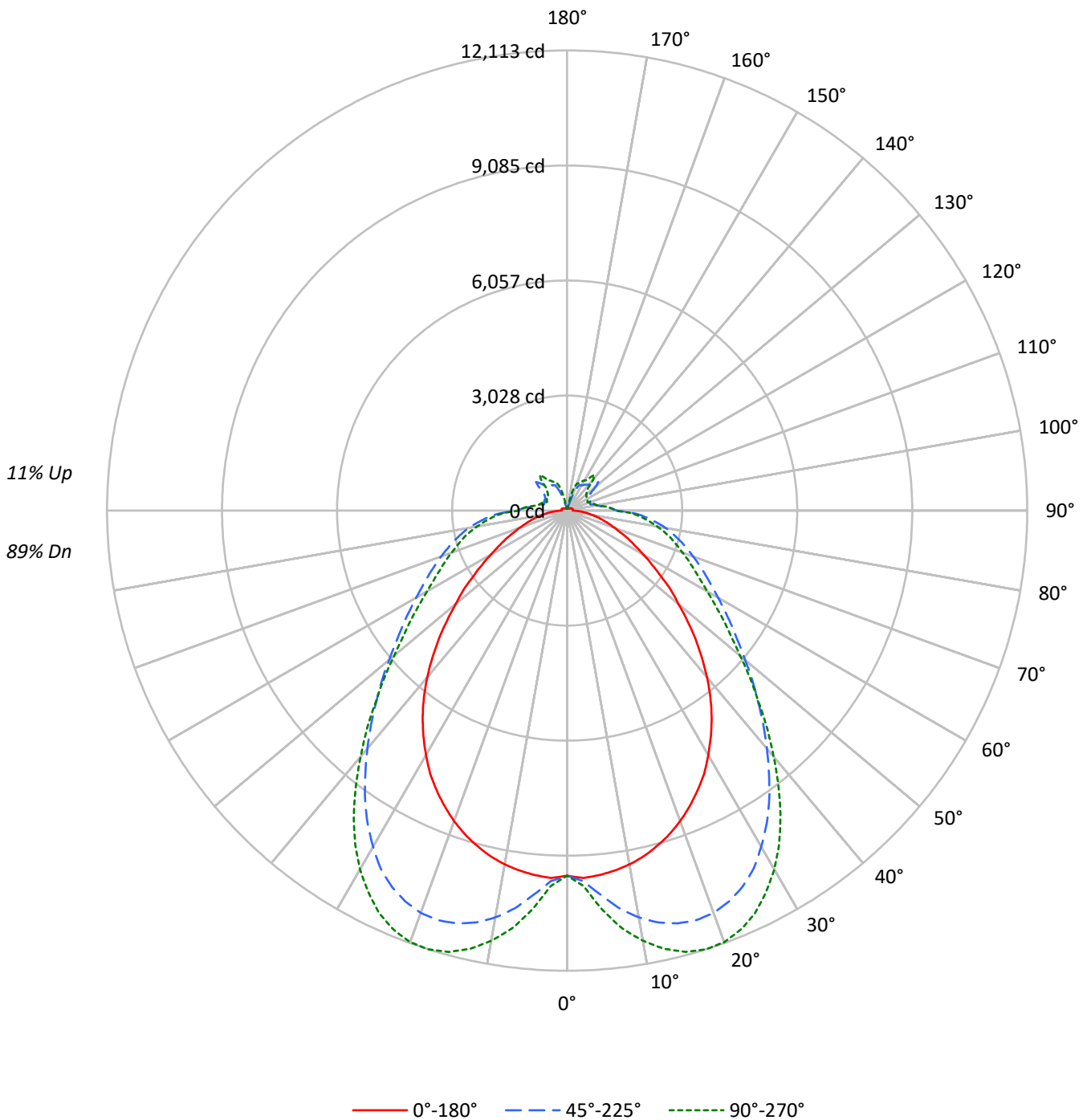
Lumens per Lamp: N/A  
Luminaire Lumens: 36190.0 lumens  
Efficiency: N/A  
Efficacy: 108.5 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.49 / 1.44  
Luminous Opening: Rectangular w/ Sides (W: 1.88' x L: 4' x H: 0.21')  
CIE Type: Semi-Direct

Input Watts (W): 333.5  
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

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CATALOG NUMBER: SKB4-LD5-36-W-UNV-L835-CD4-U

### 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	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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89				
1	105	99	95	90	101	96	92	88	90	86	83	84	81	78	78	76	74	71				
2	95	86	79	73	91	83	77	71	78	73	68	73	69	65	68	65	62	59				
3	87	76	67	61	83	73	66	60	69	62	57	65	59	55	61	56	52	50				
4	79	67	58	52	76	65	57	51	61	54	49	58	52	47	54	49	45	43				
5	73	60	51	45	70	58	50	44	55	48	42	52	46	41	49	44	39	37				
6	68	54	45	39	65	53	44	38	50	43	37	47	41	36	44	39	35	32				
7	63	49	41	34	60	48	40	34	45	38	33	43	37	32	41	35	31	29				
8	58	45	37	31	56	44	36	30	42	35	29	39	33	29	37	32	28	26				
9	55	41	33	28	53	40	33	27	38	31	27	36	30	26	35	29	25	23				
10	51	38	30	25	49	37	30	25	35	29	24	34	28	24	32	27	23	21				

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

	0°	45°	90°
0°	13793	13793	13793
5°	13816	14480	15032
10°	13657	15531	16434
15°	13394	16214	17352
20°	13040	16517	17744
25°	12564	16418	17611
30°	11952	15875	16983
35°	11210	15037	15917
40°	10281	13972	14493
45°	9213	12926	13008
50°	8036	12005	11711
55°	7029	11360	10835
60°	6093	10977	10251
65°	5449	10944	10120
70°	4894	11254	10400
75°	4568	11939	11121
80°	4323	13158	12189
85°	4197	14906	14191



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	982.9	2.7
10°-20°	3093.4	8.5
20°-30°	4828.5	13.3
30°-40°	5531.8	15.3
40°-50°	5143.2	14.2
50°-60°	4289.0	11.9
60°-70°	3496.1	9.7
70°-80°	2800.0	7.7
80°-90°	1923.4	5.3
90°-100°	959.8	2.7
100°-110°	649.0	1.8
110°-120°	583.0	1.6
120°-130°	575.3	1.6
130°-140°	563.3	1.6
140°-150°	446.5	1.2
150°-160°	246.0	0.7
160°-170°	71.2	0.2
170°-180°	7.5	0.0
0°-30°	8904.8	24.6
0°-40°	14436.6	39.9
0°-60°	23868.8	66.0
0°-90°	32088.4	88.7
90°-120°	2191.8	6.1
90°-150°	3776.9	10.4
90°-180°	4102.0	11.3
0°-180°	36190.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9610	9610	9610	9610	9610	
5°	9634	9777	10152	10409	10535	914
15°	9140	10197	11250	11827	12026	2574
25°	8127	9709	10926	11496	11698	3736
35°	6632	8223	9276	9734	9792	4132
45°	4776	6215	7103	7234	7121	3676
55°	3018	4509	5288	5142	5017	2720
65°	1784	3372	4020	3789	3690	1773
75°	984	2590	3080	2881	2837	1044
85°	407	1806	2099	1977	1956	388
90°	149	1084	1301	1268	1261	99
95°	152	753	1024	1055	1080	122
105°	146	548	636	707	717	154
115°	125	813	647	602	592	126
125°	106	732	729	647	623	95
135°	80	660	1025	829	751	63
145°	71	483	834	958	1080	44
155°	69	108	729	798	825	32
165°	69	94	128	393	485	19
175°	66	69	78	80	65	6
180°	60	60	60	60	60	



TEST NUMBER: P236412

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	9610.3	9610.3	9610.3	9610.3	9610.3	9610.3	9610.3	9610.3	9610.3	9610.3	9610.3
2.5°	9681.1	9664.8	9642.8	9670.7	9672.2	9666.3	9669.3	9697.3	9714.9	9747.3	9765.0
5°	9633.9	9628.0	9632.4	9692.8	9748.8	9776.8	9803.3	9891.7	9981.6	10072.9	10152.4
7.5°	9558.8	9570.6	9607.4	9729.7	9851.9	9912.3	9980.1	10146.5	10293.9	10423.5	10560.5
10°	9457.1	9477.8	9569.1	9757.7	9955.0	10049.3	10151.0	10355.7	10559.0	10734.3	10874.2
12.5°	9320.1	9357.0	9508.7	9768.0	10027.2	10152.4	10283.5	10520.7	10735.8	10937.6	11107.0
15°	9140.4	9215.6	9414.4	9745.9	10056.7	10196.6	10338.0	10601.7	10840.4	11064.3	11249.9
17.5°	8938.6	9043.2	9295.1	9676.6	10027.2	10171.6	10324.8	10606.1	10865.4	11102.6	11305.9
20°	8700.0	8826.7	9136.0	9563.2	9925.6	10078.8	10242.3	10538.4	10810.9	11058.4	11269.0
22.5°	8427.5	8580.7	8944.5	9395.3	9763.5	9921.2	10090.6	10399.9	10682.7	10930.2	11135.0
25°	8127.0	8300.8	8704.4	9166.9	9535.2	9709.0	9871.1	10184.8	10457.4	10716.6	10925.8
27.5°	7810.2	7981.1	8411.3	8882.6	9245.0	9421.8	9589.7	9897.6	10173.1	10416.1	10629.7
30°	7428.7	7624.6	8071.0	8532.1	8918.0	9085.9	9236.2	9535.2	9813.6	10042.0	10217.3
32.5°	7042.8	7243.1	7704.2	8171.1	8524.7	8670.5	8834.0	9113.9	9365.8	9591.2	9775.3
35°	6631.8	6846.9	7277.0	7716.0	8059.2	8222.7	8386.2	8655.8	8879.7	9093.3	9276.0
37.5°	6192.8	6387.3	6841.0	7281.4	7584.9	7752.8	7892.7	8134.3	8380.3	8580.7	8728.0
40°	5727.3	5923.2	6374.0	6793.8	7106.1	7256.4	7365.4	7623.2	7848.5	8062.1	8180.0
42.5°	5248.6	5484.3	5904.1	6294.5	6581.7	6755.5	6841.0	7113.5	7316.8	7511.2	7642.3
45°	4775.7	4987.8	5412.1	5796.6	6095.6	6214.9	6337.2	6577.3	6805.6	6970.6	7103.2
47.5°	4292.5	4517.9	4937.7	5316.3	5599.2	5752.4	5890.8	6108.8	6318.0	6478.6	6611.2
50°	3822.6	4090.7	4507.6	4875.9	5157.2	5281.0	5420.9	5665.4	5861.4	6017.5	6116.2
52.5°	3449.9	3672.4	4108.4	4456.1	4744.8	4881.8	4999.6	5270.7	5460.7	5587.4	5671.3
55°	3018.3	3285.0	3706.3	4064.2	4373.6	4509.1	4649.0	4875.9	5055.6	5208.8	5288.3
57.5°	2651.5	2925.5	3355.7	3728.4	4037.7	4180.6	4322.0	4545.9	4727.1	4852.3	4923.0
60°	2314.2	2629.4	3052.2	3423.4	3743.1	3896.3	4027.4	4236.6	4408.9	4540.0	4588.6
62.5°	2028.4	2334.8	2776.7	3158.3	3488.2	3620.8	3747.5	3971.4	4148.2	4251.3	4289.6
65°	1783.9	2088.8	2529.3	2918.2	3248.1	3371.9	3503.0	3726.9	3886.0	3993.5	4020.0
67.5°	1532.0	1866.4	2311.3	2710.5	3021.3	3153.9	3279.1	3501.5	3662.1	3753.4	3768.1
70°	1333.1	1667.5	2119.8	2527.8	2818.0	2955.0	3077.3	3293.8	3442.6	3533.9	3532.4
72.5°	1144.6	1486.3	1947.4	2333.4	2635.3	2766.4	2888.7	3105.2	3246.7	3307.1	3296.7
75°	984.0	1315.5	1792.7	2159.5	2457.1	2589.7	2719.3	2913.7	3033.1	3087.6	3080.2
77.5°	822.0	1160.8	1641.0	2000.4	2290.6	2415.8	2538.1	2711.9	2835.7	2878.4	2853.3
80°	677.6	1022.3	1483.4	1836.9	2121.2	2225.8	2336.3	2510.1	2607.3	2651.5	2633.9
82.5°	540.6	889.7	1330.2	1660.2	1919.4	2028.4	2134.5	2280.3	2371.7	2399.6	2368.7
85°	406.6	749.8	1162.3	1467.2	1699.9	1806.0	1890.0	2028.4	2099.1	2121.2	2099.1
87.5°	282.8	609.9	984.0	1247.7	1451.0	1539.4	1610.1	1730.9	1786.8	1816.3	1801.6
90°	148.8	406.6	698.2	888.3	1029.7	1084.2	1143.1	1225.6	1280.1	1306.6	1300.7
92.5°	144.4	307.9	548.0	720.3	852.9	914.8	984.0	1088.6	1147.5	1188.8	1191.7
95°	151.7	254.8	415.4	545.0	683.5	752.7	811.7	892.7	956.0	1010.5	1023.8
97.5°	148.8	262.2	380.1	489.1	571.6	615.7	679.1	777.8	836.7	872.1	878.0
100°	148.8	276.9	399.2	464.0	548.0	573.0	598.1	651.1	735.1	782.2	805.8
102.5°	147.3	282.8	431.6	468.4	533.3	573.0	592.2	618.7	649.6	692.3	735.1
105°	145.8	287.2	458.1	512.6	524.4	548.0	586.3	624.6	633.4	634.9	636.4
107.5°	144.4	272.5	469.9	601.0	553.9	558.3	570.1	618.7	645.2	639.3	627.5
110°	139.9	235.7	469.9	598.1	605.4	590.7	587.8	608.4	639.3	652.6	639.3



TEST NUMBER: P236412

CATALOG NUMBER: SKB4-LD5-36-W-UNV-L835-CD4-U

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	134.0	200.3	462.5	601.0	738.0	659.9	627.5	620.2	631.9	646.7	655.5
115°	125.2	163.5	458.1	601.0	736.5	813.1	705.6	652.6	642.3	643.7	646.7
117.5°	120.8	139.9	468.4	599.5	701.2	802.8	878.0	705.6	670.2	655.5	648.2
120°	116.4	129.6	441.9	592.2	702.7	743.9	854.4	827.9	717.4	682.0	664.4
122.5°	110.5	125.2	397.7	580.4	695.3	742.4	779.3	979.6	796.9	721.8	692.3
125°	106.1	119.3	335.9	580.4	682.0	732.1	773.4	913.3	1028.2	789.6	729.2
127.5°	100.2	112.0	266.6	592.2	664.4	715.9	760.1	829.3	1014.9	967.8	807.2
130°	92.8	106.1	200.3	548.0	648.2	695.3	741.0	816.1	907.4	1075.3	988.4
132.5°	86.9	98.7	134.0	487.6	637.8	676.1	718.9	796.9	858.8	979.6	1112.2
135°	79.5	91.3	106.1	415.4	651.1	659.9	696.8	776.3	839.7	888.3	1025.3
137.5°	76.6	88.4	101.6	334.4	605.4	676.1	679.1	749.8	817.6	870.6	911.8
140°	73.7	85.4	98.7	226.9	533.3	639.3	695.3	724.8	791.0	845.5	891.2
142.5°	70.7	82.5	94.3	147.3	449.3	568.6	665.8	707.1	761.6	817.6	863.2
145°	70.7	81.0	92.8	109.0	355.0	483.2	587.8	721.8	735.1	783.7	833.8
147.5°	69.2	79.5	91.3	100.2	234.2	374.2	495.0	668.8	732.1	755.7	796.9
150°	69.2	78.1	89.9	98.7	150.3	256.3	387.4	577.4	715.9	741.0	764.5
152.5°	69.2	76.6	89.9	97.2	104.6	156.1	266.6	455.2	617.2	735.1	754.2
155°	69.2	75.1	88.4	95.7	103.1	107.5	150.3	341.8	497.9	630.5	729.2
157.5°	69.2	75.1	86.9	94.3	100.2	104.6	106.1	187.1	366.8	497.9	609.9
160°	69.2	73.7	84.0	92.8	97.2	101.6	104.6	113.4	194.4	353.5	461.1
162.5°	69.2	72.2	81.0	89.9	95.7	97.2	100.2	104.6	110.5	169.4	246.0
165°	69.2	70.7	78.1	86.9	92.8	94.3	95.7	100.2	104.6	107.5	128.2
167.5°	67.8	70.7	75.1	81.0	88.4	91.3	92.8	95.7	98.7	101.6	104.6
170°	67.8	69.2	72.2	76.6	81.0	84.0	86.9	89.9	92.8	94.3	95.7
172.5°	66.3	67.8	69.2	72.2	75.1	76.6	78.1	81.0	85.4	88.4	89.9
175°	66.3	66.3	66.3	67.8	69.2	69.2	70.7	72.2	73.7	76.6	78.1
177.5°	64.8	66.3	64.8	64.8	64.8	64.8	64.8	64.8	66.3	66.3	66.3
180°	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4



TEST NUMBER: P236412

CATALOG NUMBER: SKB4-LD5-36-W-UNV-L835-CD4-U

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	9610.3	9610.3	9610.3	9610.3	9610.3	9610.3	9610.3	9610.3	9610.3	9610.3
2.5°	9794.5	9809.2	9801.8	9847.5	9862.2	9849.0	9856.3	9871.1	9881.4	9887.3
5°	10224.6	10285.0	10326.3	10392.5	10408.8	10447.1	10466.2	10507.4	10536.9	10535.4
7.5°	10682.7	10763.8	10837.4	10902.2	10946.4	10968.5	10998.0	11054.0	11089.3	11095.2
10°	11024.5	11129.1	11218.9	11301.4	11357.4	11364.8	11438.4	11479.7	11518.0	11497.4
12.5°	11272.0	11382.5	11488.5	11603.4	11637.3	11672.7	11724.2	11786.1	11820.0	11815.5
15°	11422.2	11550.4	11672.7	11783.1	11827.3	11856.8	11926.0	11993.8	12023.2	12026.2
17.5°	11482.6	11619.6	11743.4	11862.7	11902.5	11936.3	12008.5	12071.9	12107.2	12113.1
20°	11447.3	11588.7	11716.8	11836.2	11873.0	11909.8	11982.0	12046.8	12085.1	12088.1
22.5°	11319.1	11459.1	11596.1	11706.5	11741.9	11783.1	11845.0	11909.8	11939.3	11940.7
25°	11098.2	11235.1	11357.4	11459.1	11495.9	11544.5	11604.9	11652.0	11685.9	11697.7
27.5°	10780.0	10911.1	11034.8	11117.3	11163.0	11202.7	11249.9	11320.6	11326.5	11332.4
30°	10371.9	10523.7	10637.1	10704.8	10734.3	10791.8	10824.2	10861.0	10911.1	10905.2
32.5°	9921.2	10062.6	10145.1	10252.6	10276.2	10305.6	10324.8	10370.5	10382.2	10388.1
35°	9414.4	9539.6	9601.5	9689.9	9734.1	9738.5	9762.1	9797.4	9797.4	9791.5
37.5°	8866.4	8997.5	9056.5	9091.8	9108.0	9128.6	9125.7	9144.9	9118.3	9136.0
40°	8330.2	8421.6	8437.8	8473.1	8489.3	8495.2	8483.4	8470.2	8437.8	8456.9
42.5°	7758.7	7823.5	7869.2	7853.0	7863.3	7851.5	7826.5	7786.7	7795.5	7801.4
45°	7196.0	7235.7	7234.3	7275.5	7234.3	7210.7	7185.7	7156.2	7142.9	7120.8
47.5°	6668.6	6686.3	6690.7	6668.6	6633.3	6650.9	6575.8	6555.2	6533.1	6534.6
50°	6158.9	6181.0	6173.7	6128.0	6098.5	6067.6	6023.4	5985.1	5961.5	5939.4
52.5°	5711.1	5703.7	5659.6	5631.6	5593.3	5577.1	5507.8	5490.2	5457.7	5444.5
55°	5309.0	5279.5	5233.8	5191.1	5142.5	5120.4	5077.7	5039.4	5008.5	5017.3
57.5°	4923.0	4889.1	4839.1	4775.7	4743.3	4719.7	4668.2	4647.6	4610.7	4612.2
60°	4579.8	4538.5	4476.7	4417.8	4386.8	4355.9	4317.6	4289.6	4266.0	4258.7
62.5°	4280.8	4233.6	4171.7	4111.4	4077.5	4052.4	4011.2	3980.2	3956.7	3955.2
65°	4000.9	3937.5	3865.4	3813.8	3788.8	3766.7	3735.7	3700.4	3684.2	3690.1
67.5°	3731.3	3672.4	3612.0	3557.5	3528.0	3514.8	3497.1	3472.0	3460.3	3464.7
70°	3488.2	3411.6	3366.0	3320.3	3299.7	3295.3	3268.8	3248.1	3242.2	3234.9
72.5°	3251.1	3189.2	3137.7	3097.9	3092.0	3078.7	3053.7	3047.8	3027.2	3022.8
75°	3030.1	2968.2	2924.1	2887.2	2881.3	2874.0	2856.3	2851.9	2832.7	2837.1
77.5°	2803.3	2753.2	2711.9	2688.4	2669.2	2661.8	2648.6	2638.3	2630.9	2628.0
80°	2566.1	2513.1	2476.2	2458.6	2448.3	2437.9	2430.6	2415.8	2408.5	2404.1
82.5°	2309.8	2268.5	2236.1	2224.3	2217.0	2222.9	2200.8	2199.3	2194.9	2187.5
85°	2062.3	2018.1	1987.2	1981.3	1976.9	1969.5	1966.6	1959.2	1956.2	1956.2
87.5°	1763.3	1725.0	1707.3	1717.6	1701.4	1711.7	1710.2	1701.4	1695.5	1716.1
90°	1280.1	1263.9	1255.1	1263.9	1268.3	1265.4	1263.9	1253.6	1261.0	1261.0
92.5°	1185.8	1174.0	1175.5	1171.1	1179.9	1181.4	1185.8	1181.4	1187.3	1185.8
95°	1025.3	1028.2	1037.0	1045.9	1054.7	1054.7	1065.0	1070.9	1072.4	1079.8
97.5°	875.0	870.6	891.2	901.5	897.1	904.5	910.4	922.1	925.1	916.3
100°	805.8	795.5	792.5	789.6	789.6	785.1	785.1	789.6	792.5	785.1
102.5°	741.0	746.8	746.8	743.9	743.9	745.4	746.8	749.8	752.7	749.8
105°	662.9	690.9	699.7	705.6	707.1	708.5	713.0	718.9	718.9	717.4
107.5°	618.7	602.5	624.6	648.2	657.0	664.4	677.6	685.0	687.9	686.5
110°	623.1	604.0	584.8	593.6	589.2	578.9	593.6	611.3	623.1	627.5





TEST NUMBER: P236412

CATALOG NUMBER: SKB4-LD5-36-W-UNV-L835-CD4-U

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	637.8	617.2	605.4	593.6	587.8	583.3	580.4	583.3	581.9	576.0
115°	648.2	634.9	617.2	605.4	602.5	601.0	601.0	598.1	595.1	592.2
117.5°	643.7	637.8	633.4	624.6	623.1	620.2	614.3	609.9	604.0	601.0
120°	649.6	639.3	631.9	629.0	630.5	630.5	627.5	626.1	620.2	617.2
122.5°	670.2	651.1	640.8	636.4	633.4	631.9	629.0	626.1	620.2	617.2
125°	701.2	677.6	661.4	649.6	646.7	643.7	637.8	631.9	626.1	623.1
127.5°	745.4	714.4	695.3	679.1	673.2	665.8	657.0	645.2	639.3	636.4
130°	820.5	767.5	738.0	715.9	705.6	699.7	687.9	676.1	665.8	661.4
132.5°	1044.4	858.8	802.8	766.0	758.6	745.4	727.7	714.4	702.7	698.2
135°	1131.3	1140.2	911.8	851.4	829.3	807.2	786.6	767.5	754.2	751.3
137.5°	1041.5	1132.8	1187.3	1103.3	1020.8	933.9	886.8	857.3	836.7	824.9
140°	929.5	1014.9	1115.1	1165.2	1188.8	1202.0	1193.2	1144.6	1082.7	1073.9
142.5°	904.5	933.9	961.9	1065.0	1098.9	1125.4	1153.4	1171.1	1181.4	1181.4
145°	873.5	907.4	929.5	948.7	957.5	964.9	1026.7	1068.0	1079.8	1079.8
147.5°	841.1	870.6	898.6	919.2	929.5	938.3	945.7	951.6	950.1	948.7
150°	799.9	830.8	858.8	882.4	892.7	898.6	911.8	917.7	916.3	913.3
152.5°	763.1	791.0	817.6	836.7	848.5	857.3	867.6	876.5	878.0	876.5
155°	766.0	760.1	776.3	795.5	798.4	807.2	819.0	827.9	824.9	824.9
157.5°	695.3	751.3	773.4	764.5	763.1	766.0	770.4	777.8	777.8	773.4
160°	549.5	627.5	685.0	738.0	746.8	757.2	767.5	768.9	763.1	755.7
162.5°	377.1	439.0	517.0	574.5	593.6	614.3	642.3	662.9	670.2	661.4
165°	169.4	216.5	318.2	363.8	393.3	409.5	434.6	450.8	471.4	484.6
167.5°	106.1	110.5	129.6	142.9	157.6	172.3	182.7	195.9	207.7	229.8
170°	97.2	98.7	100.2	100.2	100.2	98.7	97.2	94.3	92.8	88.4
172.5°	91.3	91.3	91.3	89.9	91.3	89.9	88.4	85.4	79.5	75.1
175°	79.5	81.0	79.5	81.0	79.5	79.5	78.1	73.7	67.8	64.8
177.5°	66.3	66.3	66.3	64.8	63.3	61.9	60.4	56.0	51.6	47.1
180°	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4

(END OF REPORT)