

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: P236386

Luminaire Tested: **SKB2-LD5-15-W-UNV-L840-CD2-U**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P236386  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1710-365-1)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: SKB2-LD5-15-W-UNV-L840-CD2-U  
Description: METALUX SKYBAR LED WAVESTREAM LUMINAIRE  
2 BLADES WITH WIDE DISTRIBUTION LENS, ALL BLADES VERTICAL  
Light Source: (476) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

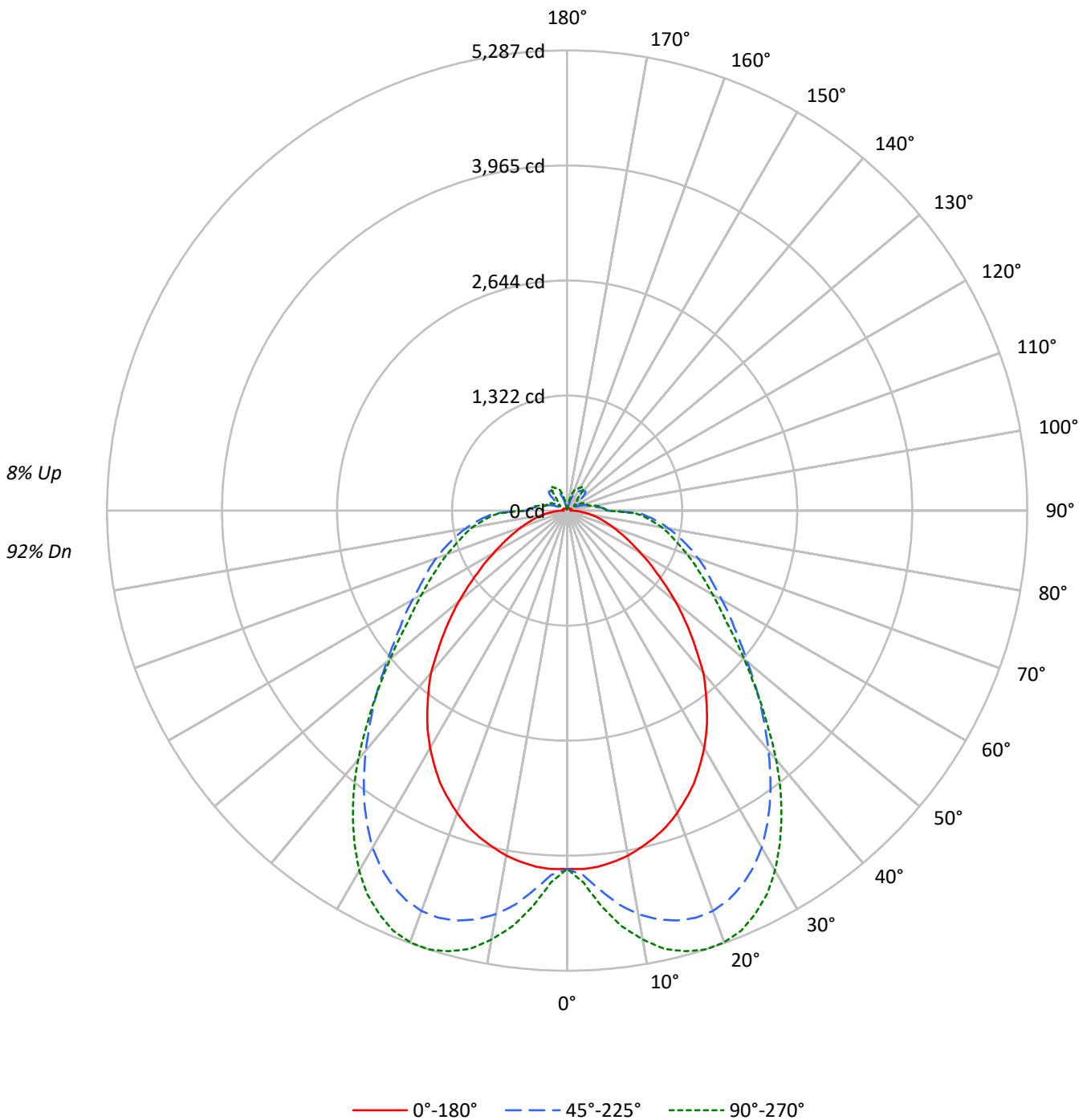
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15383.0 lumens  
Efficiency: N/A  
Efficacy: 116.2 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.51 / 1.46  
Luminous Opening: Rectangular w/ Sides (W: 1.25' x L: 2' x H: 0.21')  
CIE Type: Direct  
  
Input Watts (W): 132.4  
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: P236386

CATALOG NUMBER: SKB2-LD5-15-W-UNV-L840-CD2-U

### Luminous Intensity Polar Plot





TEST NUMBER: P236386

CATALOG NUMBER: SKB2-LD5-15-W-UNV-L840-CD2-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	113	113	113	113	107	107	107	100	100	100	95	95	95	92
1	105	100	95	91	102	97	92	88	91	87	84	86	83	80	81	78	76	74
2	95	87	79	73	92	84	77	72	79	74	69	75	70	66	70	67	63	61
3	87	76	68	61	84	74	66	60	70	63	58	66	60	56	62	58	54	51
4	80	67	58	52	77	66	57	51	62	55	49	59	53	48	56	50	46	44
5	73	60	51	45	71	59	50	44	56	48	43	53	46	41	50	45	40	38
6	68	54	45	39	65	53	45	38	50	43	37	48	41	36	46	40	36	33
7	63	49	41	34	61	48	40	34	46	39	33	44	37	32	42	36	32	30
8	59	45	37	31	57	44	36	30	42	35	30	40	34	29	38	33	28	26
9	55	41	33	28	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	34	28	24	33	27	23	22

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

	0°	45°	90°
0°	17727	17727	17727
5°	17590	18610	19446
10°	17278	19908	21246
15°	16857	20672	22362
20°	16320	20964	22803
25°	15638	20717	22535
30°	14763	20013	21660
35°	13715	18844	20203
40°	12573	17420	18424
45°	11069	16035	16474
50°	9670	14735	14821
55°	8261	13823	13543
60°	7108	13267	12908
65°	6214	13021	12592
70°	5507	13189	12650
75°	4952	13447	13020
80°	4439	14069	14061
85°	3714	14935	15375



TEST NUMBER: P236386

CATALOG NUMBER: SKB2-LD5-15-W-UNV-L840-CD2-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	424.3	2.8
10°-20°	1340.8	8.7
20°-30°	2100.2	13.7
30°-40°	2415.9	15.7
40°-50°	2258.8	14.7
50°-60°	1901.2	12.4
60°-70°	1568.0	10.2
70°-80°	1259.6	8.2
80°-90°	862.5	5.6
90°-100°	347.2	2.3
100°-110°	212.1	1.4
110°-120°	154.1	1.0
120°-130°	133.4	0.9
130°-140°	148.6	1.0
140°-150°	141.8	0.9
150°-160°	84.2	0.5
160°-170°	27.6	0.2
170°-180°	2.5	0.0
0°-30°	3865.3	25.1
0°-40°	6281.2	40.8
0°-60°	10441.3	67.9
0°-90°	14131.4	91.9
90°-120°	713.4	4.6
90°-150°	1137.2	7.4
90°-180°	1252.0	8.1
0°-180°	15383.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4117	4117	4117	4117	4117	
5°	4107	4198	4378	4531	4565	389
15°	3887	4409	4876	5160	5241	1094
25°	3452	4189	4750	5033	5112	1584
35°	2800	3563	4066	4270	4292	1748
45°	2007	2705	3138	3206	3156	1551
55°	1264	1981	2345	2304	2234	1143
65°	746	1498	1803	1719	1678	746
75°	413	1153	1386	1295	1270	439
85°	165	813	964	906	904	160
90°	41	365	465	455	456	33
95°	52	250	389	400	401	41
105°	52	125	237	247	244	54
115°	43	199	106	184	204	44
125°	38	238	156	112	100	34
135°	29	221	298	178	158	23
145°	24	172	274	324	328	15
155°	22	69	235	266	273	10
165°	22	31	81	151	173	6
175°	21	21	24	26	21	2
180°	19	19	19	19	19	



TEST NUMBER: P236386

CATALOG NUMBER: SKB2-LD5-15-W-UNV-L840-CD2-U

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	4117.2	4117.2	4117.2	4117.2	4117.2	4117.2	4117.2	4117.2	4117.2	4117.2	4117.2
2.5°	4122.4	4125.8	4134.4	4148.1	4149.8	4144.7	4137.8	4149.8	4144.7	4170.4	4191.0
5°	4106.9	4110.4	4129.2	4168.7	4182.4	4197.9	4203.0	4245.9	4280.2	4330.0	4378.0
7.5°	4070.9	4091.5	4122.4	4189.3	4245.9	4269.9	4295.6	4362.6	4431.2	4503.2	4565.0
10°	4024.6	4050.3	4113.8	4211.6	4299.1	4342.0	4379.7	4475.8	4551.3	4630.2	4707.4
12.5°	3959.4	3997.1	4082.9	4221.9	4338.5	4384.9	4432.9	4539.2	4630.2	4726.2	4808.6
15°	3887.4	3937.1	4050.3	4220.2	4348.8	4408.9	4460.3	4573.6	4678.2	4781.1	4875.5
17.5°	3801.6	3859.9	4005.7	4192.7	4335.1	4398.6	4455.2	4575.3	4690.2	4798.3	4906.4
20°	3696.9	3770.7	3945.7	4143.0	4288.8	4359.1	4417.4	4547.8	4671.3	4791.4	4894.4
22.5°	3576.8	3666.1	3856.5	4067.5	4220.2	4288.8	4350.5	4492.9	4625.0	4736.5	4842.9
25°	3451.6	3547.7	3755.3	3968.0	4125.8	4189.3	4257.9	4407.2	4530.7	4645.6	4750.3
27.5°	3302.4	3407.0	3635.2	3849.6	4002.3	4076.1	4143.0	4283.6	4410.6	4530.7	4628.5
30°	3148.0	3261.2	3494.5	3691.8	3851.3	3935.4	3995.4	4131.0	4264.8	4374.6	4470.6
32.5°	2983.3	3091.4	3328.1	3532.2	3683.2	3762.1	3820.4	3954.3	4077.8	4179.0	4276.8
35°	2799.7	2919.8	3151.4	3345.3	3492.8	3563.1	3621.4	3767.3	3875.3	3978.3	4065.8
37.5°	2616.2	2729.4	2950.7	3151.4	3295.5	3360.7	3413.9	3558.0	3659.2	3751.8	3834.2
40°	2432.6	2530.4	2750.0	2930.1	3079.3	3136.0	3199.4	3321.2	3431.0	3525.4	3597.4
42.5°	2207.9	2329.7	2547.5	2724.2	2858.0	2926.7	2986.7	3113.7	3206.3	3290.4	3360.7
45°	2007.2	2134.1	2334.8	2513.2	2650.5	2705.4	2765.4	2885.5	2990.1	3063.9	3137.7
47.5°	1811.6	1938.5	2139.2	2305.7	2442.9	2513.2	2561.3	2683.1	2779.1	2859.8	2914.7
50°	1622.9	1751.5	1943.7	2118.7	2249.0	2314.2	2376.0	2485.8	2592.1	2657.3	2701.9
52.5°	1437.6	1569.7	1775.6	1938.5	2075.8	2135.8	2192.4	2315.9	2413.7	2478.9	2514.9
55°	1264.3	1411.9	1614.3	1780.7	1914.5	1981.4	2041.5	2163.3	2245.6	2302.2	2345.1
57.5°	1120.2	1260.9	1465.0	1638.3	1775.6	1835.6	1900.8	2019.2	2098.1	2158.1	2199.3
60°	974.4	1127.1	1338.1	1502.8	1645.2	1715.5	1775.6	1881.9	1969.4	2029.5	2051.8
62.5°	854.3	1012.2	1218.0	1386.1	1537.1	1598.9	1660.6	1767.0	1854.5	1900.8	1917.9
65°	746.2	907.5	1113.4	1281.5	1434.2	1497.6	1552.5	1667.5	1734.4	1782.4	1803.0
67.5°	646.7	813.2	1024.2	1192.3	1338.1	1396.4	1456.5	1564.5	1640.0	1688.1	1708.7
70°	562.7	730.8	935.0	1115.1	1252.3	1315.8	1377.6	1478.8	1550.8	1598.9	1598.9
72.5°	482.1	653.6	859.5	1032.7	1176.8	1238.6	1288.4	1399.9	1466.8	1499.4	1495.9
75°	413.4	581.6	792.6	952.1	1097.9	1152.8	1218.0	1319.2	1374.1	1396.4	1386.1
77.5°	346.5	514.7	727.4	890.4	1025.9	1099.6	1147.7	1230.0	1278.1	1298.6	1286.6
80°	284.8	449.5	655.3	816.6	957.3	1010.4	1055.0	1134.0	1176.8	1194.0	1183.7
82.5°	224.7	389.4	590.1	748.0	866.3	910.9	957.3	1032.7	1079.1	1094.5	1082.5
85°	164.7	324.2	518.1	657.0	766.8	813.2	857.8	924.7	962.4	979.6	964.1
87.5°	111.5	262.5	435.7	561.0	658.8	699.9	741.1	799.4	842.3	852.6	847.5
90°	41.2	123.5	226.4	286.5	341.4	365.4	384.3	425.4	454.6	468.3	464.9
92.5°	46.3	97.8	173.3	235.0	284.8	312.2	341.4	382.6	415.2	430.6	432.3
95°	51.5	85.8	121.8	180.1	231.6	250.5	271.1	315.7	353.4	380.8	389.4
97.5°	49.7	87.5	116.7	132.1	187.0	211.0	229.9	264.2	288.2	305.4	322.5
100°	51.5	90.9	130.4	125.2	137.2	166.4	192.1	231.6	257.3	272.8	276.2
102.5°	51.5	92.6	145.8	137.2	125.2	126.9	137.2	195.6	228.2	248.7	257.3
105°	51.5	92.6	149.2	151.0	132.1	125.2	121.8	140.7	190.4	221.3	236.7
107.5°	51.5	92.6	151.0	183.6	147.5	137.2	128.7	118.4	130.4	180.1	209.3
110°	49.7	89.2	152.7	193.9	161.3	151.0	144.1	123.5	113.2	126.9	168.1



TEST NUMBER: P236386

CATALOG NUMBER: SKB2-LD5-15-W-UNV-L840-CD2-U

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	46.3	77.2	151.0	195.6	190.4	168.1	157.8	137.2	118.4	108.1	118.4
115°	42.9	68.6	149.2	195.6	221.3	199.0	173.3	151.0	132.1	114.9	106.4
117.5°	42.9	65.2	152.7	193.9	229.9	236.7	209.3	164.7	145.8	128.7	113.2
120°	41.2	56.6	142.4	193.9	228.2	245.3	245.3	185.3	157.8	144.1	128.7
122.5°	39.5	46.3	142.4	193.9	226.4	243.6	257.3	245.3	176.7	156.1	142.4
125°	37.7	44.6	128.7	192.1	223.0	238.5	253.9	267.6	211.0	173.3	156.1
127.5°	36.0	42.9	109.8	192.1	219.6	235.0	248.7	272.8	260.8	202.4	173.3
130°	34.3	39.5	97.8	178.4	214.4	228.2	243.6	267.6	289.9	265.9	202.4
132.5°	32.6	37.7	78.9	169.8	212.7	223.0	235.0	260.8	283.1	295.1	269.3
135°	29.2	34.3	66.9	152.7	214.4	221.3	229.9	253.9	276.2	295.1	298.5
137.5°	27.4	32.6	53.2	132.1	199.0	223.0	226.4	245.3	267.6	284.8	301.9
140°	25.7	30.9	39.5	111.5	187.0	207.6	228.2	238.5	259.0	277.9	293.4
142.5°	25.7	29.2	34.3	96.1	166.4	195.6	212.7	233.3	248.7	267.6	284.8
145°	24.0	27.4	32.6	68.6	135.5	171.6	200.7	235.0	241.9	257.3	274.5
147.5°	24.0	25.7	32.6	58.3	114.9	144.1	175.0	214.4	241.9	248.7	264.2
150°	22.3	25.7	30.9	37.7	92.6	120.1	144.1	205.9	228.2	245.3	253.9
152.5°	22.3	24.0	30.9	32.6	66.9	96.1	118.4	169.8	212.7	235.0	250.5
155°	22.3	24.0	29.2	32.6	49.7	68.6	94.4	132.1	180.1	217.9	235.0
157.5°	22.3	24.0	27.4	32.6	34.3	46.3	65.2	106.4	142.4	180.1	219.6
160°	22.3	22.3	27.4	30.9	32.6	34.3	42.9	70.3	109.8	135.5	169.8
162.5°	22.3	22.3	25.7	29.2	32.6	32.6	32.6	48.0	68.6	104.6	126.9
165°	22.3	22.3	24.0	27.4	30.9	30.9	32.6	32.6	39.5	61.8	80.6
167.5°	22.3	22.3	22.3	25.7	27.4	29.2	30.9	30.9	32.6	32.6	41.2
170°	20.6	22.3	22.3	24.0	25.7	25.7	27.4	29.2	30.9	30.9	32.6
172.5°	20.6	20.6	20.6	22.3	22.3	24.0	24.0	25.7	27.4	27.4	29.2
175°	20.6	20.6	20.6	20.6	20.6	20.6	20.6	22.3	22.3	22.3	24.0
177.5°	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
180°	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9



TEST NUMBER: P236386

CATALOG NUMBER: SKB2-LD5-15-W-UNV-L840-CD2-U

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	4117.2	4117.2	4117.2	4117.2	4117.2	4117.2	4117.2	4117.2	4117.2	4117.2
2.5°	4203.0	4211.6	4230.5	4240.7	4247.6	4249.3	4269.9	4263.1	4275.1	4275.1
5°	4412.3	4443.2	4479.2	4516.9	4530.7	4542.7	4559.8	4565.0	4578.7	4565.0
7.5°	4619.9	4654.2	4695.4	4733.1	4755.4	4772.6	4796.6	4808.6	4820.6	4817.2
10°	4767.4	4812.0	4865.2	4914.9	4937.2	4954.4	4981.9	4995.6	5007.6	5002.4
12.5°	4873.8	4933.8	4992.1	5048.8	5071.1	5088.2	5115.7	5132.8	5143.1	5158.5
15°	4951.0	5007.6	5076.2	5138.0	5160.3	5184.3	5211.7	5225.5	5234.0	5240.9
17.5°	4981.9	5055.6	5115.7	5172.3	5196.3	5220.3	5254.6	5268.3	5278.6	5287.2
20°	4971.6	5040.2	5107.1	5167.1	5192.9	5218.6	5246.0	5270.1	5276.9	5278.6
22.5°	4914.9	4993.9	5067.6	5129.4	5141.4	5163.7	5189.4	5215.2	5222.0	5223.7
25°	4829.2	4899.5	4968.1	5016.2	5033.3	5060.8	5084.8	5105.4	5108.8	5112.2
27.5°	4698.8	4765.7	4825.7	4885.8	4908.1	4927.0	4949.3	4963.0	4964.7	4971.6
30°	4530.7	4602.7	4661.1	4712.5	4724.5	4733.1	4757.1	4776.0	4770.8	4776.0
32.5°	4338.5	4407.2	4463.8	4494.6	4510.1	4529.0	4544.4	4553.0	4553.0	4544.4
35°	4125.8	4185.9	4232.2	4257.9	4269.9	4285.4	4297.4	4302.5	4305.9	4292.2
37.5°	3889.1	3949.1	3985.1	4012.6	4019.4	4033.2	4019.4	4034.9	4029.7	4022.9
40°	3652.3	3702.1	3726.1	3757.0	3745.0	3751.8	3743.3	3758.7	3739.8	3736.4
42.5°	3419.0	3444.8	3468.8	3467.1	3470.5	3465.3	3458.5	3446.5	3443.0	3434.5
45°	3185.7	3211.4	3206.3	3204.6	3206.3	3197.7	3184.0	3182.3	3168.6	3156.5
47.5°	2947.3	2954.1	2961.0	2952.4	2950.7	2940.4	2931.8	2909.5	2899.2	2890.6
50°	2732.8	2741.4	2736.2	2727.7	2712.2	2707.1	2688.2	2672.8	2664.2	2652.2
52.5°	2533.8	2540.7	2525.2	2513.2	2497.8	2485.8	2468.6	2454.9	2437.7	2437.7
55°	2358.8	2355.4	2331.4	2319.4	2303.9	2293.6	2271.3	2254.2	2247.3	2233.6
57.5°	2195.9	2185.6	2159.8	2141.0	2130.7	2116.9	2104.9	2089.5	2080.9	2075.8
60°	2048.3	2029.5	2012.3	1995.1	1990.0	1972.8	1966.0	1938.5	1933.4	1931.7
62.5°	1914.5	1905.9	1885.3	1852.8	1842.5	1837.3	1821.9	1809.9	1797.9	1801.3
65°	1808.2	1779.0	1751.5	1731.0	1718.9	1710.4	1700.1	1688.1	1681.2	1677.8
67.5°	1691.5	1664.0	1636.6	1616.0	1607.4	1600.6	1588.6	1578.3	1574.8	1573.1
70°	1578.3	1554.3	1533.7	1506.2	1495.9	1494.2	1480.5	1473.6	1468.5	1465.0
72.5°	1471.9	1444.5	1418.7	1399.9	1391.3	1386.1	1379.3	1374.1	1369.0	1362.1
75°	1363.8	1338.1	1315.8	1298.6	1295.2	1290.1	1281.5	1276.3	1274.6	1269.5
77.5°	1259.2	1238.6	1216.3	1209.4	1202.6	1199.1	1199.1	1192.3	1188.9	1188.9
80°	1163.1	1140.8	1123.7	1115.1	1113.4	1109.9	1108.2	1101.4	1097.9	1103.1
82.5°	1056.8	1036.2	1024.2	1012.2	1010.4	1007.0	1007.0	1001.9	1003.6	1000.1
85°	945.2	928.1	916.1	909.2	905.8	907.5	907.5	905.8	905.8	904.1
87.5°	821.7	811.4	801.1	796.0	797.7	801.1	797.7	796.0	796.0	799.4
90°	456.3	452.9	452.9	452.9	454.6	451.2	454.6	456.3	454.6	456.3
92.5°	428.9	425.4	427.2	428.9	432.3	428.9	432.3	432.3	430.6	432.3
95°	389.4	396.3	392.9	398.0	399.7	398.0	403.1	406.6	403.1	401.4
97.5°	336.2	343.1	351.7	358.5	365.4	365.4	367.1	370.6	370.6	374.0
100°	272.8	279.6	283.1	293.4	305.4	305.4	312.2	317.4	317.4	320.8
102.5°	259.0	259.0	257.3	255.6	255.6	253.9	253.9	257.3	257.3	262.5
105°	243.6	245.3	245.3	245.3	247.0	245.3	245.3	247.0	245.3	243.6
107.5°	223.0	231.6	235.0	236.7	236.7	236.7	238.5	240.2	240.2	240.2
110°	192.1	211.0	217.9	223.0	228.2	224.7	229.9	233.3	233.3	233.3





TEST NUMBER: P236386

CATALOG NUMBER: SKB2-LD5-15-W-UNV-L840-CD2-U

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	149.2	176.7	193.9	204.1	209.3	211.0	216.2	221.3	221.3	221.3
115°	104.6	120.1	147.5	176.7	183.6	187.0	195.6	204.1	204.1	204.1
117.5°	102.9	97.8	108.1	118.4	121.8	133.8	163.0	173.3	178.4	175.0
120°	113.2	104.6	97.8	94.4	96.1	102.9	109.8	116.7	121.8	120.1
122.5°	130.4	114.9	106.4	101.2	101.2	97.8	97.8	96.1	94.4	92.6
125°	142.4	133.8	121.8	113.2	111.5	108.1	106.4	102.9	102.9	99.5
127.5°	156.1	145.8	139.0	133.8	128.7	125.2	121.8	116.7	113.2	109.8
130°	175.0	161.3	151.0	145.8	144.1	142.4	139.0	135.5	130.4	126.9
132.5°	204.1	183.6	169.8	163.0	159.5	156.1	151.0	149.2	145.8	142.4
135°	277.9	219.6	193.9	183.6	178.4	173.3	168.1	164.7	159.5	157.8
137.5°	301.9	284.8	248.7	216.2	204.1	199.0	190.4	185.3	180.1	178.4
140°	308.8	320.8	296.8	291.6	284.8	265.9	233.3	219.6	214.4	211.0
142.5°	296.8	312.2	322.5	329.4	308.8	307.1	300.2	295.1	295.1	286.5
145°	288.2	300.2	312.2	320.8	324.2	327.7	332.8	336.2	331.1	327.7
147.5°	276.2	289.9	296.8	308.8	310.5	313.9	319.1	320.8	322.5	320.8
150°	262.5	276.2	283.1	295.1	295.1	300.2	303.6	308.8	308.8	305.4
152.5°	252.2	262.5	271.1	279.6	283.1	284.8	288.2	291.6	291.6	291.6
155°	252.2	252.2	255.6	262.5	265.9	267.6	271.1	272.8	274.5	272.8
157.5°	226.4	243.6	255.6	255.6	253.9	253.9	255.6	259.0	260.8	259.0
160°	193.9	219.6	228.2	238.5	241.9	243.6	255.6	255.6	255.6	253.9
162.5°	145.8	169.8	188.7	207.6	211.0	219.6	224.7	223.0	228.2	219.6
165°	104.6	120.1	130.4	142.4	151.0	159.5	168.1	171.6	176.7	173.3
167.5°	56.6	66.9	84.1	96.1	101.2	104.6	111.5	114.9	121.8	116.7
170°	32.6	32.6	34.3	44.6	49.7	51.5	56.6	56.6	54.9	58.3
172.5°	29.2	30.9	30.9	30.9	30.9	30.9	29.2	29.2	27.4	25.7
175°	24.0	25.7	25.7	25.7	25.7	25.7	24.0	24.0	22.3	20.6
177.5°	20.6	20.6	20.6	20.6	18.9	18.9	18.9	17.2	15.4	13.7
180°	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9

(END OF REPORT)