

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: P232506

Luminaire Tested: **8SKB1-LD5-16-W-UNV-L850-CD2-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P232506
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1709-317-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SKB1-LD5-16-W-UNV-L850-CD2-U
Description: METALUX SKYBAR 8' WAVESTREAM STRIP
WITH WIDE LENS
Light Source: (476) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16686.0 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.48 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.29')
CIE Type: Semi-Direct

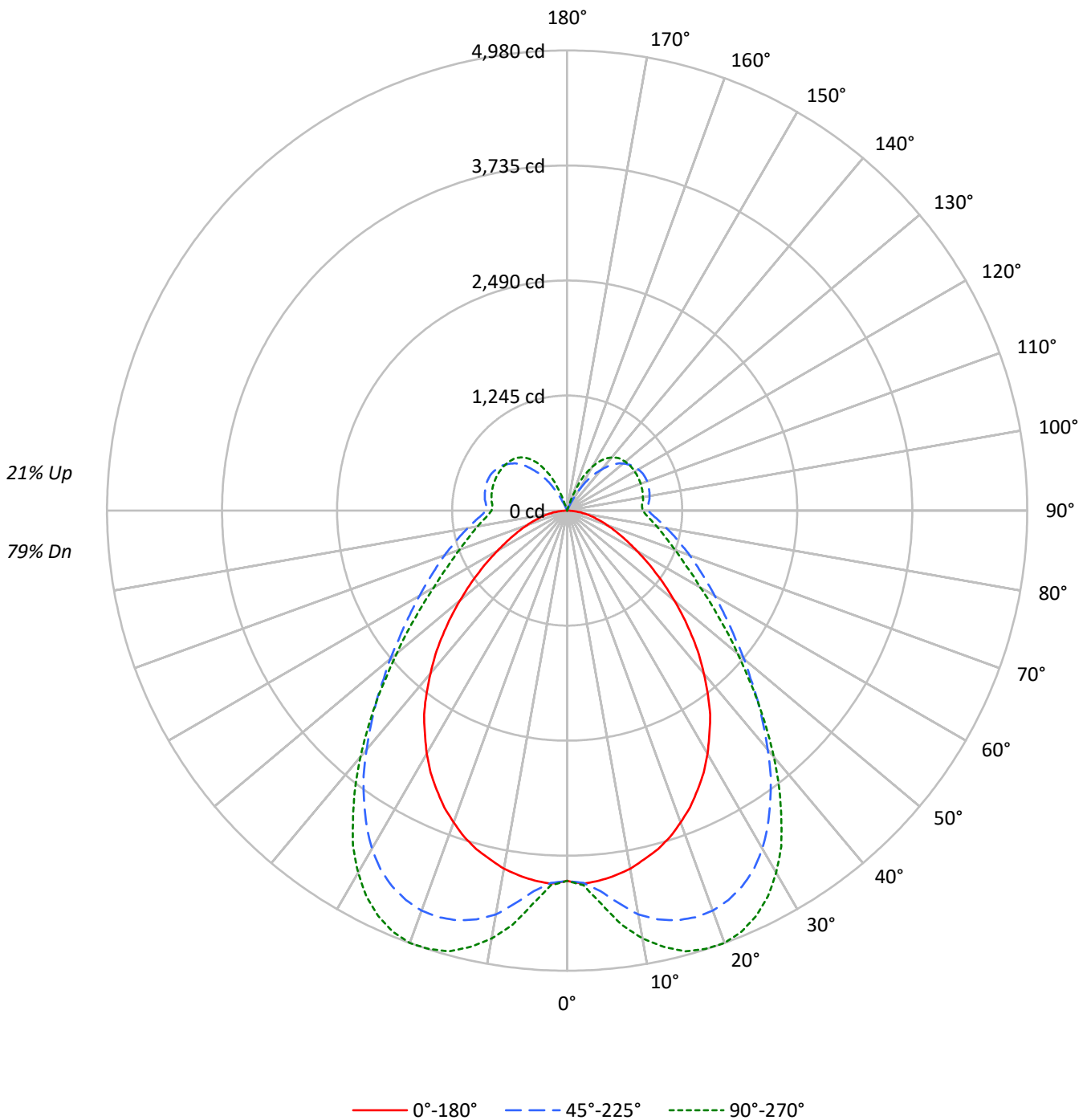
Input Watts (W): 130.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P232506

CATALOG NUMBER: 8SKB1-LD5-16-W-UNV-L850-CD2-U

Luminous Intensity Polar Plot





TEST NUMBER: P232506

CATALOG NUMBER: 8SKB1-LD5-16-W-UNV-L850-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	114	114	114	114	109	109	109	109	99	99	99	91	91	91	83	83	83	79
1	103	97	93	88	98	93	89	85	85	82	78	77	75	72	70	68	67	63
2	93	85	78	72	89	81	75	69	74	69	64	68	63	60	62	58	55	52
3	85	74	66	60	81	71	64	58	65	59	54	60	55	51	55	51	47	44
4	78	66	57	51	74	63	55	49	58	51	46	53	48	43	49	44	41	38
5	72	59	50	44	68	57	49	42	52	45	40	48	42	38	44	39	36	33
6	66	53	44	38	63	51	43	37	47	40	35	44	38	33	40	35	31	29
7	61	48	40	34	58	46	38	33	43	36	31	40	34	30	37	32	28	26
8	57	44	36	30	54	42	35	29	39	33	28	36	31	26	34	29	25	23
9	53	40	32	27	51	39	31	26	36	30	25	34	28	24	31	26	23	21
10	50	37	29	24	48	36	29	24	33	27	23	31	26	22	29	24	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21569	21569	21569
5°	21647	20779	20952
10°	21371	21097	21308
15°	20935	20830	20964
20°	20306	20149	20019
25°	19491	19069	18616
30°	18491	17612	16797
35°	17296	15779	14605
40°	15672	13841	12353
45°	13975	12001	10242
50°	12131	10396	8439
55°	10381	9048	7018
60°	8795	8030	5926
65°	7539	7238	5175
70°	6591	6653	4642
75°	5755	6155	4259
80°	4931	5797	4004
85°	3661	5582	3814



TEST NUMBER: P232506

CATALOG NUMBER: 8SKB1-LD5-16-W-UNV-L850-CD2-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.5	2.4
10°-20°	1272.0	7.6
20°-30°	1993.3	11.9
30°-40°	2282.6	13.7
40°-50°	2102.3	12.6
50°-60°	1725.4	10.3
60°-70°	1379.5	8.3
70°-80°	1108.1	6.6
80°-90°	881.4	5.3
90°-100°	787.8	4.7
100°-110°	767.2	4.6
110°-120°	695.4	4.2
120°-130°	574.7	3.4
130°-140°	412.2	2.5
140°-150°	229.1	1.4
150°-160°	68.9	0.4
160°-170°	1.5	0.0
170°-180°	0.0	0.0
0°-30°	3669.9	22.0
0°-40°	5952.5	35.7
0°-60°	9780.1	58.6
0°-90°	13149.1	78.8
90°-120°	2250.4	13.5
90°-150°	3466.3	20.8
90°-180°	3537.0	21.2
0°-180°	16686.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4008	4008	4008	4008	4008	
5°	4020	4060	4132	4274	4274	381
15°	3794	4178	4591	4879	4939	1067
25°	3338	3974	4485	4802	4840	1535
35°	2700	3357	3832	4058	4039	1677
45°	1903	2534	2918	2995	2916	1468
55°	1164	1821	2136	2081	1994	1049
65°	638	1337	1605	1495	1423	641
75°	314	1018	1236	1142	1097	337
85°	84	770	970	910	886	92
90°	5	684	878	838	818	7
95°	2	679	883	838	814	2
105°	2	665	917	871	842	3
115°	2	600	914	888	847	2
125°	2	468	852	881	838	2
135°	2	170	708	823	799	2
145°	2	7	434	665	672	2
155°	2	2	67	310	389	1
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P232506

CATALOG NUMBER: 8SKB1-LD5-16-W-UNV-L850-CD2-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	4007.6	4007.6	4007.6	4007.6	4007.6	4007.6	4007.6	4007.6	4007.6	4007.6	4007.6
2.5°	4041.2	4024.4	4012.4	4024.4	4029.2	4034.0	4046.0	4043.6	4046.0	4041.2	4034.0
5°	4019.6	4005.2	4000.4	4024.4	4048.4	4060.4	4077.2	4094.0	4108.4	4127.6	4132.4
7.5°	3983.6	3976.4	3981.2	4024.4	4062.8	4091.6	4115.6	4158.8	4202.0	4245.2	4286.0
10°	3935.6	3930.8	3952.4	4017.2	4079.6	4120.4	4161.2	4240.4	4314.8	4382.0	4439.6
12.5°	3863.6	3875.6	3911.6	3998.0	4096.4	4154.0	4218.8	4317.2	4396.4	4473.1	4530.7
15°	3794.0	3801.2	3870.8	3974.0	4089.2	4178.0	4245.2	4370.0	4451.6	4530.7	4590.7
17.5°	3702.8	3719.6	3796.4	3942.8	4084.4	4163.6	4245.2	4343.6	4442.0	4533.1	4614.7
20°	3592.4	3628.4	3731.6	3892.4	4053.2	4132.4	4204.4	4324.4	4425.2	4513.9	4607.5
22.5°	3474.8	3515.6	3630.8	3822.8	3988.4	4067.6	4137.2	4269.2	4372.4	4461.1	4561.9
25°	3338.1	3390.9	3527.6	3734.0	3892.4	3974.0	4048.4	4182.8	4290.8	4379.6	4485.1
27.5°	3198.9	3258.9	3407.7	3616.4	3779.6	3856.4	3933.2	4067.6	4175.6	4264.4	4374.8
30°	3038.1	3102.9	3270.9	3472.4	3633.2	3717.2	3786.8	3918.8	4036.4	4115.6	4226.0
32.5°	2865.3	2939.7	3119.7	3314.1	3474.8	3554.0	3623.6	3750.8	3856.4	3940.4	4041.2
35°	2699.7	2759.7	2942.1	3131.7	3285.3	3357.3	3438.9	3561.2	3654.8	3741.2	3832.4
37.5°	2500.5	2572.5	2757.3	2937.3	3090.9	3167.7	3234.9	3347.7	3434.1	3515.6	3618.8
40°	2299.0	2378.2	2570.1	2730.9	2889.3	2949.3	3016.5	3119.7	3201.3	3302.1	3376.5
42.5°	2109.4	2183.8	2366.2	2529.3	2678.1	2738.1	2802.9	2910.9	2980.5	3066.9	3141.3
45°	1903.0	1979.8	2174.2	2327.8	2469.4	2534.1	2601.3	2690.1	2769.3	2838.9	2918.1
47.5°	1706.2	1797.4	1984.6	2128.6	2272.6	2332.6	2390.2	2483.7	2562.9	2637.3	2692.5
50°	1511.8	1610.2	1792.6	1948.6	2085.4	2145.4	2203.0	2296.6	2378.2	2443.0	2500.5
52.5°	1334.3	1437.5	1624.6	1787.8	1910.2	1972.6	2030.2	2121.4	2203.0	2263.0	2301.4
55°	1163.9	1279.1	1473.5	1631.8	1754.2	1821.4	1867.0	1963.0	2044.6	2099.8	2135.8
57.5°	1015.1	1142.3	1327.1	1490.2	1617.4	1677.4	1732.6	1823.8	1900.6	1953.4	1982.2
60°	868.7	1010.3	1202.3	1360.7	1490.2	1547.8	1607.8	1699.0	1771.0	1819.0	1845.4
62.5°	746.3	895.1	1094.3	1247.9	1379.9	1437.5	1490.2	1581.4	1651.0	1699.0	1720.6
65°	638.3	794.3	995.9	1149.5	1276.7	1336.7	1391.9	1485.5	1550.2	1595.8	1605.4
67.5°	544.7	703.1	907.1	1058.3	1190.3	1245.5	1300.7	1394.3	1456.7	1495.0	1502.2
70°	460.8	621.5	825.5	976.7	1106.3	1166.3	1221.5	1305.5	1370.3	1401.5	1411.1
72.5°	384.0	551.9	748.7	904.7	1034.3	1089.5	1142.3	1231.1	1291.1	1319.9	1317.5
75°	314.4	487.2	683.9	837.5	959.9	1017.5	1070.3	1156.7	1216.7	1240.7	1235.9
77.5°	254.4	432.0	621.5	770.3	895.1	952.7	1000.7	1087.1	1142.3	1168.7	1163.9
80°	192.0	372.0	561.5	707.9	832.7	885.5	938.3	1019.9	1075.1	1101.5	1089.5
82.5°	139.2	316.8	506.3	650.3	772.7	827.9	875.9	959.9	1012.7	1034.3	1027.1
85°	84.0	261.6	446.4	595.1	717.5	770.3	823.1	902.3	955.1	976.7	969.5
87.5°	36.0	211.2	396.0	544.7	667.1	719.9	770.3	849.5	899.9	921.5	914.3
90°	4.8	177.6	364.8	511.1	631.1	683.9	734.3	813.5	863.9	885.5	878.3
92.5°	2.4	170.4	355.2	501.5	621.5	676.7	724.7	806.3	859.1	878.3	875.9
95°	2.4	158.4	350.4	501.5	623.9	679.1	729.5	811.1	863.9	885.5	883.1
97.5°	2.4	141.6	343.2	499.1	626.3	683.9	734.3	820.7	875.9	899.9	897.5
100°	2.4	115.2	328.8	492.0	621.5	681.5	731.9	820.7	878.3	904.7	904.7
102.5°	2.4	79.2	312.0	480.0	616.7	674.3	727.1	818.3	878.3	907.1	911.9
105°	2.4	48.0	290.4	465.6	604.7	664.7	719.9	813.5	875.9	909.5	916.7
107.5°	2.4	31.2	264.0	448.8	592.7	655.1	710.3	806.3	871.1	909.5	919.1
110°	2.4	26.4	230.4	429.6	575.9	638.3	695.9	796.7	863.9	907.1	921.5



TEST NUMBER: P232506

CATALOG NUMBER: 8SKB1-LD5-16-W-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	2.4	21.6	177.6	403.2	556.7	621.5	681.5	779.9	854.3	897.5	919.1
115°	2.4	16.8	115.2	372.0	532.7	599.9	659.9	763.1	837.5	887.9	914.3
117.5°	2.4	14.4	74.4	336.0	506.3	573.5	635.9	741.5	820.7	873.5	904.7
120°	2.4	12.0	31.2	288.0	472.8	544.7	607.1	712.7	796.7	854.3	890.3
122.5°	2.4	9.6	24.0	216.0	434.4	508.7	573.5	683.9	767.9	832.7	871.1
125°	2.4	9.6	19.2	139.2	386.4	468.0	537.5	650.3	739.1	806.3	851.9
127.5°	2.4	7.2	16.8	93.6	328.8	420.0	494.4	611.9	703.1	772.7	823.1
130°	2.4	7.2	14.4	40.8	244.8	360.0	441.6	566.3	662.3	736.7	791.9
132.5°	2.4	4.8	12.0	16.8	151.2	278.4	374.4	508.7	614.3	693.5	755.9
135°	2.4	4.8	9.6	14.4	100.8	170.4	292.8	444.0	551.9	635.9	707.9
137.5°	2.4	4.8	7.2	12.0	40.8	112.8	180.0	372.0	484.8	573.5	647.9
140°	2.4	4.8	7.2	9.6	12.0	52.8	122.4	283.2	410.4	506.3	578.3
142.5°	2.4	4.8	7.2	7.2	9.6	12.0	60.0	165.6	328.8	432.0	511.1
145°	2.4	2.4	4.8	7.2	7.2	7.2	9.6	112.8	213.6	350.4	434.4
147.5°	2.4	2.4	4.8	4.8	7.2	7.2	7.2	45.6	132.0	247.2	350.4
150°	2.4	2.4	4.8	4.8	4.8	4.8	4.8	4.8	67.2	134.4	237.6
152.5°	2.4	2.4	2.4	4.8	4.8	4.8	4.8	4.8	7.2	76.8	132.0
155°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	7.2	67.2
157.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
160°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232506

CATALOG NUMBER: 8SKB1-LD5-16-W-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	4007.6	4007.6	4007.6	4007.6	4007.6	4007.6	4007.6	4007.6	4007.6	4007.6
2.5°	4046.0	4067.6	4077.2	4086.8	4089.2	4091.6	4086.8	4084.4	4067.6	4058.0
5°	4166.0	4218.8	4240.4	4271.6	4274.0	4276.4	4290.8	4283.6	4286.0	4274.0
7.5°	4341.2	4418.0	4451.6	4492.3	4501.9	4513.9	4537.9	4540.3	4537.9	4521.1
10°	4504.3	4569.1	4619.5	4657.9	4672.3	4681.9	4710.7	4717.9	4713.1	4701.1
12.5°	4602.7	4686.7	4737.1	4792.3	4806.7	4821.1	4845.1	4857.1	4842.7	4835.5
15°	4686.7	4775.5	4816.3	4876.3	4878.7	4905.1	4945.9	4950.7	4943.5	4938.7
17.5°	4708.3	4799.5	4859.5	4912.3	4931.5	4948.3	4972.3	4991.5	4993.9	4974.7
20°	4703.5	4789.9	4861.9	4917.1	4938.7	4950.7	4981.9	4996.3	4989.1	4979.5
22.5°	4665.1	4751.5	4823.5	4871.5	4890.7	4909.9	4938.7	4950.7	4950.7	4931.5
25°	4585.9	4672.3	4734.7	4785.1	4801.9	4821.1	4849.9	4857.1	4852.3	4840.3
27.5°	4473.1	4549.9	4612.3	4655.5	4672.3	4689.1	4720.3	4727.5	4717.9	4705.9
30°	4307.6	4386.8	4449.2	4487.5	4501.9	4513.9	4533.1	4549.9	4535.5	4523.5
32.5°	4127.6	4199.6	4242.8	4278.8	4288.4	4298.0	4317.2	4324.4	4310.0	4312.4
35°	3916.4	3978.8	4029.2	4053.2	4058.0	4055.6	4065.2	4067.6	4070.0	4038.8
37.5°	3686.0	3741.2	3765.2	3798.8	3791.6	3803.6	3813.2	3803.6	3779.6	3767.6
40°	3438.9	3474.8	3515.6	3527.6	3520.4	3537.2	3532.4	3515.6	3489.2	3479.6
42.5°	3194.1	3234.9	3249.3	3258.9	3251.7	3254.1	3244.5	3239.7	3213.3	3191.7
45°	2961.3	2990.1	2997.3	2994.9	2994.9	2982.9	2970.9	2951.7	2927.7	2915.7
47.5°	2733.3	2752.5	2754.9	2742.9	2733.3	2718.9	2721.3	2687.7	2658.9	2644.5
50°	2522.1	2529.3	2522.1	2500.5	2495.7	2478.9	2469.4	2443.0	2416.6	2409.4
52.5°	2332.6	2330.2	2315.8	2291.8	2282.2	2265.4	2248.6	2224.6	2198.2	2198.2
55°	2147.8	2140.6	2121.4	2095.0	2080.6	2073.4	2051.8	2025.4	2006.2	1994.2
57.5°	1987.0	1972.6	1948.6	1924.6	1905.4	1886.2	1871.8	1852.6	1828.6	1823.8
60°	1843.0	1814.2	1792.6	1766.2	1751.8	1735.0	1715.8	1701.4	1682.2	1663.0
62.5°	1708.6	1684.6	1655.8	1629.4	1615.0	1600.6	1581.4	1559.8	1547.8	1543.0
65°	1591.0	1567.0	1533.4	1507.0	1495.0	1480.7	1466.3	1442.3	1435.1	1423.1
67.5°	1485.5	1454.3	1423.1	1399.1	1387.1	1382.3	1367.9	1353.5	1336.7	1327.1
70°	1387.1	1355.9	1327.1	1310.3	1295.9	1291.1	1279.1	1259.9	1247.9	1240.7
72.5°	1293.5	1267.1	1243.1	1219.1	1209.5	1207.1	1197.5	1183.1	1171.1	1163.9
75°	1214.3	1187.9	1163.9	1151.9	1142.3	1135.1	1130.3	1115.9	1108.7	1096.7
77.5°	1144.7	1113.5	1091.9	1079.9	1072.7	1067.9	1063.1	1055.9	1046.3	1039.1
80°	1070.3	1046.3	1029.5	1017.5	1012.7	1007.9	1003.1	998.3	991.1	983.9
82.5°	1007.9	986.3	971.9	962.3	962.3	957.5	955.1	950.3	943.1	933.5
85°	947.9	928.7	916.7	911.9	909.5	907.1	904.7	899.9	892.7	885.5
87.5°	897.5	883.1	871.1	868.7	868.7	866.3	863.9	861.5	854.3	847.1
90°	863.9	849.5	842.3	839.9	837.5	837.5	837.5	832.7	825.5	818.3
92.5°	859.1	844.7	837.5	832.7	832.7	832.7	832.7	827.9	820.7	811.1
95°	866.3	851.9	844.7	839.9	837.5	837.5	835.1	830.3	823.1	813.5
97.5°	883.1	868.7	859.1	851.9	849.5	849.5	847.1	842.3	835.1	827.9
100°	892.7	878.3	868.7	861.5	859.1	856.7	854.3	849.5	842.3	832.7
102.5°	899.9	885.5	873.5	868.7	866.3	863.9	859.1	854.3	847.1	837.5
105°	904.7	892.7	883.1	873.5	871.1	868.7	863.9	859.1	849.5	842.3
107.5°	911.9	899.9	887.9	880.7	875.9	873.5	868.7	863.9	854.3	844.7
110°	914.3	904.7	892.7	885.5	880.7	878.3	871.1	863.9	854.3	847.1



TEST NUMBER: P232506

CATALOG NUMBER: 8SKB1-LD5-16-W-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	916.7	909.5	897.5	887.9	885.5	880.7	873.5	866.3	856.7	847.1
115°	916.7	909.5	899.9	890.3	887.9	883.1	875.9	866.3	856.7	847.1
117.5°	914.3	909.5	902.3	892.7	887.9	883.1	875.9	866.3	854.3	847.1
120°	907.1	907.1	899.9	892.7	887.9	883.1	873.5	863.9	854.3	844.7
122.5°	895.1	899.9	895.1	887.9	885.5	880.7	873.5	861.5	849.5	842.3
125°	878.3	890.3	887.9	883.1	880.7	875.9	868.7	859.1	847.1	837.5
127.5°	856.7	873.5	878.3	875.9	873.5	871.1	861.5	851.9	842.3	830.3
130°	830.3	851.9	861.5	861.5	861.5	859.1	854.3	844.7	832.7	823.1
132.5°	796.7	823.1	837.5	844.7	844.7	844.7	839.9	832.7	823.1	811.1
135°	758.3	791.9	811.1	820.7	823.1	823.1	823.1	818.3	808.7	799.1
137.5°	712.7	751.1	777.5	791.9	796.7	799.1	801.5	796.7	787.1	777.5
140°	645.5	700.7	734.3	753.5	758.3	765.5	770.3	765.5	758.3	751.1
142.5°	578.3	635.9	683.9	710.3	715.1	722.3	729.5	729.5	722.3	715.1
145°	506.3	563.9	614.3	657.5	664.7	671.9	681.5	686.3	679.1	671.9
147.5°	422.4	482.4	535.1	583.1	604.7	614.3	623.9	628.7	626.3	619.1
150°	333.6	398.4	448.8	496.7	518.3	547.1	559.1	561.5	559.1	551.9
152.5°	201.6	295.2	352.8	400.8	420.0	446.4	480.0	487.2	482.4	477.6
155°	112.8	153.6	216.0	288.0	309.6	333.6	374.4	391.2	388.8	388.8
157.5°	33.6	84.0	115.2	141.6	151.2	165.6	213.6	254.4	266.4	268.8
160°	2.4	2.4	28.8	57.6	72.0	86.4	110.4	124.8	127.2	129.6
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)