

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: PORTFOLIO

Report Number: P246002

Luminaire Tested: **LD8B20D010 ER8B20935 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246002  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13958)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B20D010 ER8B20935 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
90 CRI 3500 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1851.0 lumens  
Efficiency: N/A  
Efficacy: 86.9 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

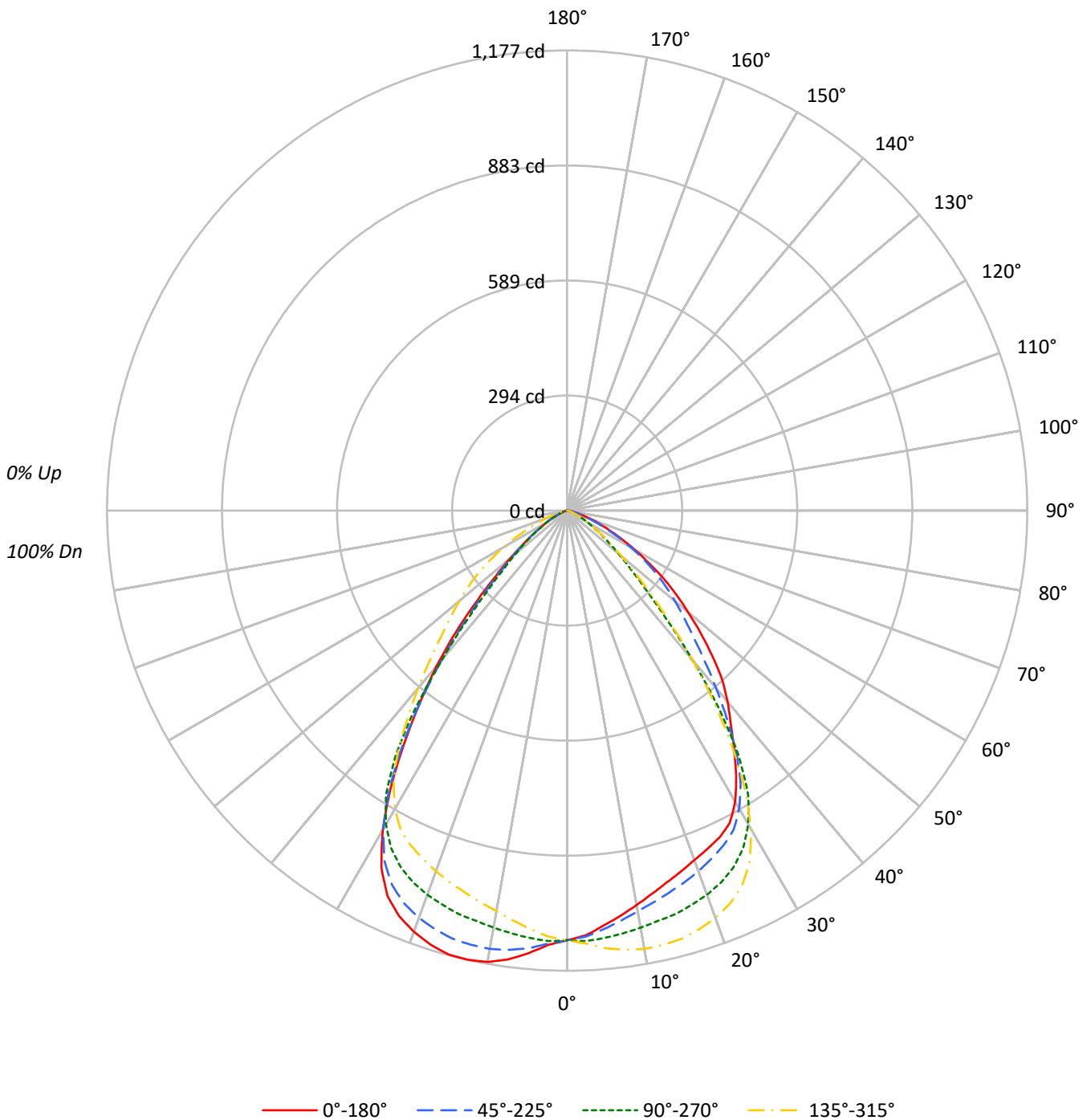
Input Watts (W): 21.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### 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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90					90			
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81					81			
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72					72			
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65					65			
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58					58			
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53					53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48					48			
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44					44			
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40					40			
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37					37			

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

	0°	90°	180°	270°
0°	33886	33886	33886	33886
5°	32985	33966	35176	33966
10°	32073	33920	36710	33920
15°	31432	34120	37514	34120
20°	31217	34318	37610	34318
25°	31384	34249	37005	34249
30°	30608	32993	33588	32993
35°	27996	28783	27307	28783
40°	25702	20022	20908	20022
45°	22838	12215	14134	12215
50°	19328	8160	9062	8160
55°	16010	5570	5887	5570
60°	12211	3707	3737	3707
65°	8654	2306	2116	2306
70°	6239	1551	1406	1551
75°	3967	763	643	763
80°	2770	568	479	568
85°	2477	0	177	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.6	5.7
10°-20°	302.9	16.4
20°-30°	458.6	24.8
30°-40°	459.7	24.8
40°-50°	288.6	15.6
50°-60°	153.8	8.3
60°-70°	63.3	3.4
70°-80°	16.7	0.9
80°-90°	2.8	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	866.1	46.8
0°-40°	1325.8	71.6
0°-60°	1768.2	95.5
0°-90°	1851.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1851.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1099	1099	1099	1099	1099	
5°	1066	1097	1136	1097	1066	100
15°	985	1069	1175	1069	985	278
25°	922	1007	1088	1007	922	423
35°	744	765	725	765	744	466
45°	524	280	324	280	524	403
55°	298	104	110	104	298	265
65°	119	32	29	32	119	123
75°	33	6	5	6	33	38
85°	7	0	0	0	7	8
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9
2.5°	1087.6	1086.5	1086.0	1087.1	1087.6	1089.8	1089.2	1090.3	1090.3	1090.8	1091.9
5°	1065.6	1065.1	1065.6	1065.6	1067.8	1069.9	1069.4	1071.0	1072.0	1074.7	1075.8
7.5°	1045.2	1045.2	1044.7	1046.8	1047.9	1051.1	1050.6	1053.3	1054.9	1057.6	1061.3
10°	1024.3	1024.3	1024.8	1026.4	1027.0	1031.8	1031.8	1035.6	1037.7	1040.4	1045.2
12.5°	1003.9	1003.9	1007.1	1006.1	1008.2	1012.0	1013.6	1017.3	1020.5	1025.9	1030.7
15°	984.6	984.6	985.7	988.3	990.0	994.8	997.5	1001.8	1005.5	1010.9	1017.9
17.5°	968.0	967.4	968.0	971.2	974.4	978.7	980.8	986.2	990.0	996.9	1003.4
20°	951.3	952.4	952.4	955.1	957.2	962.6	964.7	970.7	974.9	981.4	988.9
22.5°	936.8	936.3	936.3	940.1	941.7	946.5	948.6	954.0	958.8	964.2	971.2
25°	922.4	921.3	923.4	924.0	925.0	930.4	932.0	935.8	940.6	945.4	952.4
27.5°	900.9	899.8	900.4	902.5	904.1	908.4	909.5	913.2	917.0	921.3	927.2
30°	859.6	858.5	858.0	861.7	863.3	866.5	868.2	874.6	875.7	880.5	884.8
32.5°	804.8	804.3	805.4	808.6	810.2	814.5	816.7	820.4	823.1	825.8	830.1
35°	743.7	742.6	743.7	746.9	746.9	750.7	752.3	753.9	753.3	753.9	752.8
37.5°	686.8	686.3	686.8	688.4	686.8	688.4	686.8	683.6	677.7	671.2	664.8
40°	638.5	639.0	635.8	638.0	632.1	631.0	625.1	617.0	605.2	592.4	574.1
42.5°	587.0	585.4	583.3	584.3	579.5	575.7	566.1	555.9	540.8	519.4	497.4
45°	523.7	523.2	522.1	521.5	518.3	514.6	506.5	494.7	478.1	456.1	429.8
47.5°	462.0	460.4	460.4	460.9	457.1	456.6	450.2	440.0	425.5	404.0	376.7
50°	402.9	402.4	403.5	405.6	402.9	401.9	397.6	390.6	377.7	359.5	333.7
52.5°	349.8	349.3	350.4	353.1	352.0	353.1	348.8	343.4	334.8	317.1	294.6
55°	297.8	297.8	297.8	301.0	301.0	301.0	298.9	295.7	287.6	274.7	253.8
57.5°	243.6	244.1	247.4	247.9	247.4	248.4	247.9	244.7	239.3	230.2	214.1
60°	198.0	198.0	199.6	201.2	200.7	201.2	201.2	199.6	194.2	186.7	173.9
62.5°	156.7	158.3	157.2	158.3	160.4	158.3	157.2	156.1	152.4	147.6	136.8
65°	118.6	119.7	119.7	120.2	119.1	119.7	117.5	115.9	113.8	108.4	101.4
67.5°	90.2	90.2	90.2	90.2	89.6	89.1	88.5	86.9	83.2	81.0	73.5
70°	69.2	66.0	66.0	66.0	66.0	66.5	64.9	62.8	61.7	58.0	52.6
72.5°	46.1	47.2	46.1	46.1	45.1	45.6	43.5	42.4	41.3	39.2	36.0
75°	33.3	30.6	31.6	32.2	30.6	31.6	29.5	27.4	27.4	25.8	24.1
77.5°	21.5	20.9	21.5	22.0	21.5	20.9	19.9	18.8	18.8	18.2	16.6
80°	15.6	15.0	15.0	15.0	14.5	15.0	14.0	14.0	12.9	12.3	11.3
82.5°	10.2	10.2	9.7	10.2	9.7	10.2	8.6	8.6	8.6	8.0	7.0
85°	7.0	5.9	5.9	6.4	5.4	6.4	5.9	5.4	4.8	4.8	4.3
87.5°	3.2	3.8	3.2	3.8	3.2	3.2	3.8	3.2	3.2	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9
2.5°	1093.5	1094.0	1094.0	1096.2	1097.3	1097.8	1097.8	1102.1	1100.5	1101.6	1102.6
5°	1078.0	1081.2	1082.2	1082.2	1088.1	1090.3	1092.4	1097.3	1097.8	1101.0	1104.8
7.5°	1062.9	1066.7	1068.8	1073.7	1077.4	1081.2	1087.6	1090.8	1094.0	1098.4	1103.2
10°	1048.4	1052.7	1057.0	1060.8	1066.7	1071.5	1075.8	1083.3	1087.1	1093.0	1099.4
12.5°	1034.5	1040.4	1044.2	1050.6	1057.0	1061.3	1067.8	1074.7	1080.6	1086.5	1094.0
15°	1022.2	1029.1	1033.4	1040.4	1047.4	1053.3	1060.3	1068.8	1073.1	1080.1	1087.1
17.5°	1008.7	1016.3	1021.6	1028.1	1036.6	1043.1	1049.0	1057.6	1062.9	1070.4	1078.5
20°	994.8	1002.3	1008.7	1015.2	1023.8	1030.2	1037.2	1045.8	1051.7	1059.2	1065.6
22.5°	978.2	985.1	992.1	999.6	1008.2	1013.6	1021.6	1029.1	1035.6	1042.5	1049.0
25°	956.7	965.3	970.7	977.6	984.6	990.5	999.1	1006.6	1012.0	1018.4	1024.3
27.5°	931.5	937.9	942.2	948.1	955.1	960.4	966.9	974.4	979.8	985.7	990.0
30°	888.5	894.5	898.2	902.5	909.5	914.3	919.7	926.6	930.4	934.7	938.5
32.5°	832.2	837.0	839.2	842.4	847.2	852.1	856.4	862.3	863.9	866.5	866.5
35°	750.7	751.7	751.2	752.3	754.4	757.1	760.8	764.6	766.7	766.7	765.1
37.5°	655.1	648.7	641.7	636.4	634.8	633.7	635.8	637.4	639.6	640.7	638.0
40°	555.9	541.4	525.8	511.9	502.2	497.9	496.3	497.4	497.4	501.1	501.1
42.5°	470.6	448.0	425.0	404.0	390.1	379.4	374.5	374.5	375.1	377.7	379.4
45°	399.7	371.3	344.5	321.4	302.1	288.1	281.7	280.1	279.6	280.6	284.4
47.5°	345.5	316.0	288.1	259.7	239.3	225.4	219.5	217.3	215.2	217.3	217.9
50°	303.2	272.6	243.1	214.6	193.2	180.8	173.3	170.1	169.5	169.5	170.6
52.5°	264.5	236.1	206.6	177.6	155.1	143.3	136.3	134.7	132.5	134.7	134.7
55°	228.0	199.6	170.6	143.3	124.5	112.1	105.7	103.6	102.5	104.1	104.1
57.5°	188.3	164.2	137.4	112.7	93.9	85.3	80.5	77.8	77.3	78.3	77.3
60°	154.5	134.1	111.1	88.5	74.1	64.9	61.2	60.1	59.0	60.1	60.1
62.5°	122.3	105.2	86.4	69.2	56.9	50.4	46.1	46.1	45.6	45.6	46.1
65°	90.7	77.3	63.8	49.4	39.7	34.9	31.6	31.6	31.1	31.6	31.1
67.5°	66.0	56.9	46.1	36.0	28.4	25.8	23.6	22.0	23.1	22.0	21.5
70°	48.3	40.8	33.3	27.4	22.0	19.3	17.7	17.2	16.1	16.1	16.1
72.5°	32.2	27.4	22.5	17.7	14.5	11.8	11.3	10.2	9.1	9.7	10.7
75°	21.5	18.2	16.1	12.9	9.7	9.7	6.4	6.4	5.4	6.4	4.8
77.5°	15.0	12.3	9.7	8.0	6.4	5.9	4.3	4.3	3.8	3.8	3.8
80°	10.7	9.1	7.0	5.9	4.3	4.3	3.8	3.2	2.7	2.7	3.2
82.5°	6.4	4.8	4.8	4.3	2.7	2.1	1.6	2.1	1.1	1.1	1.1
85°	3.8	3.2	2.7	1.6	1.1	1.1	0.5	0.0	0.5	0.5	0.0
87.5°	2.1	1.1	1.1	0.5	0.0	0.5	0.5	0.0	0.0	0.0	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9
2.5°	1105.3	1104.8	1105.9	1105.9	1109.1	1108.5	1110.1	1110.1	1109.1	1109.6	1111.8
5°	1109.1	1110.7	1113.9	1116.6	1121.4	1123.6	1126.2	1128.9	1129.5	1131.1	1132.7
7.5°	1109.1	1114.5	1118.2	1123.0	1129.5	1133.2	1139.1	1144.0	1146.1	1148.8	1152.0
10°	1106.9	1112.3	1119.3	1124.6	1132.7	1138.6	1144.5	1152.0	1155.2	1159.5	1163.8
12.5°	1102.6	1108.5	1116.0	1123.0	1132.1	1137.5	1145.0	1152.0	1156.8	1162.7	1167.6
15°	1096.2	1103.2	1110.1	1117.1	1126.8	1133.2	1140.2	1148.2	1153.1	1159.5	1163.8
17.5°	1086.0	1093.5	1100.0	1106.4	1115.5	1123.0	1129.5	1137.0	1141.8	1147.2	1153.1
20°	1073.7	1080.6	1087.6	1093.0	1102.1	1108.5	1115.5	1122.5	1126.2	1127.3	1136.4
22.5°	1058.1	1062.9	1068.3	1076.9	1082.2	1088.1	1094.6	1101.0	1104.8	1110.7	1113.9
25°	1032.3	1037.2	1043.1	1046.8	1053.3	1058.1	1064.5	1071.5	1073.7	1078.0	1081.2
27.5°	996.4	999.1	1001.8	1005.0	1008.7	1011.4	1015.2	1018.4	1020.5	1022.7	1024.8
30°	939.5	939.5	939.5	937.4	939.0	940.6	941.1	940.6	940.6	940.1	940.1
32.5°	864.4	860.1	855.3	851.0	849.4	847.2	846.2	844.5	841.9	840.3	840.8
35°	763.0	753.3	747.4	742.1	737.8	734.6	732.9	731.3	730.8	728.7	726.5
37.5°	636.4	629.4	625.1	621.9	618.1	614.9	615.4	616.0	617.6	616.5	617.0
40°	502.2	500.6	502.2	498.5	497.4	498.5	501.1	504.9	507.1	509.2	513.0
42.5°	382.0	384.7	388.5	388.5	390.1	392.2	395.4	401.4	404.6	408.3	412.6
45°	287.6	290.8	295.7	297.2	298.3	301.0	304.8	309.6	311.7	315.0	318.7
47.5°	221.6	223.7	226.4	229.1	231.8	232.9	236.6	236.6	239.3	241.5	242.5
50°	172.8	174.9	177.1	178.7	179.8	181.4	182.4	184.0	184.6	185.6	186.2
52.5°	135.2	137.9	137.9	139.0	140.6	142.2	141.7	142.2	142.7	142.7	144.3
55°	105.7	105.7	107.3	107.3	108.4	107.8	108.4	108.4	108.4	108.4	108.9
57.5°	78.9	79.4	81.0	79.9	79.4	80.5	79.4	80.5	79.9	81.0	79.4
60°	60.6	60.6	61.2	61.2	61.7	61.7	61.7	61.2	61.2	60.6	60.6
62.5°	45.6	46.1	46.7	46.1	46.1	46.1	45.6	45.6	45.1	44.5	44.5
65°	30.6	30.1	31.1	30.1	30.6	30.6	30.1	30.6	29.0	29.5	29.0
67.5°	22.0	21.5	20.9	21.5	20.9	20.4	20.4	20.9	21.5	19.9	19.9
70°	14.5	15.0	14.5	15.0	15.6	15.6	15.0	14.5	15.0	14.0	14.5
72.5°	9.1	9.1	9.1	9.1	9.1	9.7	9.7	9.7	8.6	8.6	8.0
75°	4.3	5.9	4.8	4.3	5.9	5.9	5.4	5.4	4.8	4.8	4.8
77.5°	4.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	2.7	3.2	2.7
80°	2.1	2.1	2.1	1.6	2.1	2.1	2.7	2.1	2.1	1.6	2.7
82.5°	1.1	1.1	1.1	0.0	0.5	1.1	1.1	0.5	1.1	1.1	0.5
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





TEST NUMBER: P246002

CATALOG NUMBER: LD8B20D010 ER8B20935 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9
2.5°	1111.2	1110.7	1111.2	1111.8	1111.2	1110.7	1111.2	1111.8	1109.6	1109.1	1110.1
5°	1134.8	1134.8	1135.9	1136.4	1135.9	1134.8	1134.8	1132.7	1131.1	1129.5	1128.9
7.5°	1155.2	1156.3	1157.4	1157.9	1157.4	1156.3	1155.2	1152.0	1148.8	1146.1	1144.0
10°	1167.6	1169.2	1171.3	1172.4	1171.3	1169.2	1167.6	1163.8	1159.5	1155.2	1152.0
12.5°	1172.9	1174.5	1177.2	1176.7	1177.2	1174.5	1172.9	1167.6	1162.7	1156.8	1152.0
15°	1169.2	1171.3	1174.0	1175.1	1174.0	1171.3	1169.2	1163.8	1159.5	1153.1	1148.2
17.5°	1157.4	1160.6	1162.2	1163.8	1162.2	1160.6	1157.4	1153.1	1147.2	1141.8	1137.0
20°	1141.3	1143.4	1145.6	1146.1	1145.6	1143.4	1141.3	1136.4	1127.3	1126.2	1122.5
22.5°	1118.2	1119.8	1124.6	1123.0	1124.6	1119.8	1118.2	1113.9	1110.7	1104.8	1101.0
25°	1084.9	1086.5	1087.1	1087.6	1087.1	1086.5	1084.9	1081.2	1078.0	1073.7	1071.5
27.5°	1027.5	1027.5	1028.6	1029.1	1028.6	1027.5	1027.5	1024.8	1022.7	1020.5	1018.4
30°	940.6	940.6	940.6	943.3	940.6	940.6	940.6	940.1	940.1	940.6	940.6
32.5°	840.3	839.2	838.1	839.2	838.1	839.2	840.3	840.8	840.3	841.9	844.5
35°	726.5	726.0	727.6	725.4	727.6	726.0	726.5	726.5	728.7	730.8	731.3
37.5°	617.6	616.5	618.7	616.5	618.7	616.5	617.6	617.0	616.5	617.6	616.0
40°	514.0	515.1	515.1	519.4	515.1	515.1	514.0	513.0	509.2	507.1	504.9
42.5°	414.8	418.0	416.9	420.1	416.9	418.0	414.8	412.6	408.3	404.6	401.4
45°	320.9	323.0	323.0	324.1	323.0	323.0	320.9	318.7	315.0	311.7	309.6
47.5°	246.3	246.3	246.3	246.8	246.3	246.3	246.3	242.5	241.5	239.3	236.6
50°	187.3	187.8	188.3	188.9	188.3	187.8	187.3	186.2	185.6	184.6	184.0
52.5°	143.8	144.3	143.3	144.3	143.3	144.3	143.8	144.3	142.7	142.7	142.2
55°	108.9	108.4	108.9	109.5	108.9	108.4	108.9	108.9	108.4	108.4	108.4
57.5°	79.9	78.9	78.9	78.9	78.9	78.9	79.9	79.4	81.0	79.9	80.5
60°	59.6	60.1	60.1	60.6	60.1	60.1	59.6	60.6	60.6	61.2	61.2
62.5°	44.0	45.6	44.5	45.6	44.5	45.6	44.0	44.5	44.5	45.1	45.6
65°	28.4	28.4	28.4	29.0	28.4	28.4	28.4	29.0	29.5	29.0	30.6
67.5°	19.3	19.9	20.9	20.4	20.9	19.9	19.3	19.9	19.9	21.5	20.9
70°	15.6	14.0	14.0	15.6	14.0	14.0	15.6	14.5	14.0	15.0	14.5
72.5°	9.1	8.0	9.1	9.1	9.1	8.0	9.1	8.0	8.6	8.6	9.7
75°	4.8	4.3	3.8	5.4	3.8	4.3	4.8	4.8	4.8	4.8	5.4
77.5°	3.2	2.7	3.8	3.8	3.8	2.7	3.2	2.7	3.2	2.7	3.2
80°	1.6	2.1	1.6	2.7	1.6	2.1	1.6	2.7	1.6	2.1	2.1
82.5°	0.5	1.1	1.1	1.1	1.1	1.1	0.5	0.5	1.1	1.1	0.5
85°	0.0	1.1	0.5	0.5	0.5	1.1	0.0	0.0	0.0	0.0	0.0
87.5°	0.5	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P246002

CATALOG NUMBER: LD8B20D010 ER8B20935 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9
2.5°	1110.1	1108.5	1109.1	1105.9	1105.9	1104.8	1105.3	1102.6	1101.6	1100.5	1102.1
5°	1126.2	1123.6	1121.4	1116.6	1113.9	1110.7	1109.1	1104.8	1101.0	1097.8	1097.3
7.5°	1139.1	1133.2	1129.5	1123.0	1118.2	1114.5	1109.1	1103.2	1098.4	1094.0	1090.8
10°	1144.5	1138.6	1132.7	1124.6	1119.3	1112.3	1106.9	1099.4	1093.0	1087.1	1083.3
12.5°	1145.0	1137.5	1132.1	1123.0	1116.0	1108.5	1102.6	1094.0	1086.5	1080.6	1074.7
15°	1140.2	1133.2	1126.8	1117.1	1110.1	1103.2	1096.2	1087.1	1080.1	1073.1	1068.8
17.5°	1129.5	1123.0	1115.5	1106.4	1100.0	1093.5	1086.0	1078.5	1070.4	1062.9	1057.6
20°	1115.5	1108.5	1102.1	1093.0	1087.6	1080.6	1073.7	1065.6	1059.2	1051.7	1045.8
22.5°	1094.6	1088.1	1082.2	1076.9	1068.3	1062.9	1058.1	1049.0	1042.5	1035.6	1029.1
25°	1064.5	1058.1	1053.3	1046.8	1043.1	1037.2	1032.3	1024.3	1018.4	1012.0	1006.6
27.5°	1015.2	1011.4	1008.7	1005.0	1001.8	999.1	996.4	990.0	985.7	979.8	974.4
30°	941.1	940.6	939.0	937.4	939.5	939.5	939.5	938.5	934.7	930.4	926.6
32.5°	846.2	847.2	849.4	851.0	855.3	860.1	864.4	866.5	866.5	863.9	862.3
35°	732.9	734.6	737.8	742.1	747.4	753.3	763.0	765.1	766.7	766.7	764.6
37.5°	615.4	614.9	618.1	621.9	625.1	629.4	636.4	638.0	640.7	639.6	637.4
40°	501.1	498.5	497.4	498.5	502.2	500.6	502.2	501.1	501.1	497.4	497.4
42.5°	395.4	392.2	390.1	388.5	388.5	384.7	382.0	379.4	377.7	375.1	374.5
45°	304.8	301.0	298.3	297.2	295.7	290.8	287.6	284.4	280.6	279.6	280.1
47.5°	236.6	232.9	231.8	229.1	226.4	223.7	221.6	217.9	217.3	215.2	217.3
50°	182.4	181.4	179.8	178.7	177.1	174.9	172.8	170.6	169.5	169.5	170.1
52.5°	141.7	142.2	140.6	139.0	137.9	137.9	135.2	134.7	134.7	132.5	134.7
55°	108.4	107.8	108.4	107.3	107.3	105.7	105.7	104.1	104.1	102.5	103.6
57.5°	79.4	80.5	79.4	79.9	81.0	79.4	78.9	77.3	78.3	77.3	77.8
60°	61.7	61.7	61.7	61.2	61.2	60.6	60.6	60.1	60.1	59.0	60.1
62.5°	45.6	46.1	46.1	46.1	46.7	46.1	45.6	46.1	45.6	45.6	46.1
65°	30.1	30.6	30.6	30.1	31.1	30.1	30.6	31.1	31.6	31.1	31.6
67.5°	20.4	20.4	20.9	21.5	20.9	21.5	22.0	21.5	22.0	23.1	22.0
70°	15.0	15.6	15.6	15.0	14.5	15.0	14.5	16.1	16.1	16.1	17.2
72.5°	9.7	9.7	9.1	9.1	9.1	9.1	9.1	10.7	9.7	9.1	10.2
75°	5.4	5.9	5.9	4.3	4.8	5.9	4.3	4.8	6.4	5.4	6.4
77.5°	3.2	3.2	3.2	3.2	3.2	3.2	4.3	3.8	3.8	3.8	4.3
80°	2.7	2.1	2.1	1.6	2.1	2.1	2.1	3.2	2.7	2.7	3.2
82.5°	1.1	1.1	0.5	0.0	1.1	1.1	1.1	1.1	1.1	1.1	2.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P246002

CATALOG NUMBER: LD8B20D010 ER8B20935 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9
2.5°	1097.8	1097.8	1097.3	1096.2	1094.0	1094.0	1093.5	1091.9	1090.8	1090.3	1090.3
5°	1092.4	1090.3	1088.1	1082.2	1082.2	1081.2	1078.0	1075.8	1074.7	1072.0	1071.0
7.5°	1087.6	1081.2	1077.4	1073.7	1068.8	1066.7	1062.9	1061.3	1057.6	1054.9	1053.3
10°	1075.8	1071.5	1066.7	1060.8	1057.0	1052.7	1048.4	1045.2	1040.4	1037.7	1035.6
12.5°	1067.8	1061.3	1057.0	1050.6	1044.2	1040.4	1034.5	1030.7	1025.9	1020.5	1017.3
15°	1060.3	1053.3	1047.4	1040.4	1033.4	1029.1	1022.2	1017.9	1010.9	1005.5	1001.8
17.5°	1049.0	1043.1	1036.6	1028.1	1021.6	1016.3	1008.7	1003.4	996.9	990.0	986.2
20°	1037.2	1030.2	1023.8	1015.2	1008.7	1002.3	994.8	988.9	981.4	974.9	970.7
22.5°	1021.6	1013.6	1008.2	999.6	992.1	985.1	978.2	971.2	964.2	958.8	954.0
25°	999.1	990.5	984.6	977.6	970.7	965.3	956.7	952.4	945.4	940.6	935.8
27.5°	966.9	960.4	955.1	948.1	942.2	937.9	931.5	927.2	921.3	917.0	913.2
30°	919.7	914.3	909.5	902.5	898.2	894.5	888.5	884.8	880.5	875.7	874.6
32.5°	856.4	852.1	847.2	842.4	839.2	837.0	832.2	830.1	825.8	823.1	820.4
35°	760.8	757.1	754.4	752.3	751.2	751.7	750.7	752.8	753.9	753.3	753.9
37.5°	635.8	633.7	634.8	636.4	641.7	648.7	655.1	664.8	671.2	677.7	683.6
40°	496.3	497.9	502.2	511.9	525.8	541.4	555.9	574.1	592.4	605.2	617.0
42.5°	374.5	379.4	390.1	404.0	425.0	448.0	470.6	497.4	519.4	540.8	555.9
45°	281.7	288.1	302.1	321.4	344.5	371.3	399.7	429.8	456.1	478.1	494.7
47.5°	219.5	225.4	239.3	259.7	288.1	316.0	345.5	376.7	404.0	425.5	440.0
50°	173.3	180.8	193.2	214.6	243.1	272.6	303.2	333.7	359.5	377.7	390.6
52.5°	136.3	143.3	155.1	177.6	206.6	236.1	264.5	294.6	317.1	334.8	343.4
55°	105.7	112.1	124.5	143.3	170.6	199.6	228.0	253.8	274.7	287.6	295.7
57.5°	80.5	85.3	93.9	112.7	137.4	164.2	188.3	214.1	230.2	239.3	244.7
60°	61.2	64.9	74.1	88.5	111.1	134.1	154.5	173.9	186.7	194.2	199.6
62.5°	46.1	50.4	56.9	69.2	86.4	105.2	122.3	136.8	147.6	152.4	156.1
65°	31.6	34.9	39.7	49.4	63.8	77.3	90.7	101.4	108.4	113.8	115.9
67.5°	23.6	25.8	28.4	36.0	46.1	56.9	66.0	73.5	81.0	83.2	86.9
70°	17.7	19.3	22.0	27.4	33.3	40.8	48.3	52.6	58.0	61.7	62.8
72.5°	11.3	11.8	14.5	17.7	22.5	27.4	32.2	36.0	39.2	41.3	42.4
75°	6.4	9.7	9.7	12.9	16.1	18.2	21.5	24.1	25.8	27.4	27.4
77.5°	4.3	5.9	6.4	8.0	9.7	12.3	15.0	16.6	18.2	18.8	18.8
80°	3.8	4.3	4.3	5.9	7.0	9.1	10.7	11.3	12.3	12.9	14.0
82.5°	1.6	2.1	2.7	4.3	4.8	4.8	6.4	7.0	8.0	8.6	8.6
85°	0.5	1.1	1.1	1.6	2.7	3.2	3.8	4.3	4.8	4.8	5.4
87.5°	0.5	0.5	0.0	0.5	1.1	1.1	2.1	2.1	2.1	3.2	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P246002

CATALOG NUMBER: LD8B20D010 ER8B20935 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9	1098.9
2.5°	1089.2	1089.8	1087.6	1087.1	1086.0	1086.5	1087.6
5°	1069.4	1069.9	1067.8	1065.6	1065.6	1065.1	1065.6
7.5°	1050.6	1051.1	1047.9	1046.8	1044.7	1045.2	1045.2
10°	1031.8	1031.8	1027.0	1026.4	1024.8	1024.3	1024.3
12.5°	1013.6	1012.0	1008.2	1006.1	1007.1	1003.9	1003.9
15°	997.5	994.8	990.0	988.3	985.7	984.6	984.6
17.5°	980.8	978.7	974.4	971.2	968.0	967.4	968.0
20°	964.7	962.6	957.2	955.1	952.4	952.4	951.3
22.5°	948.6	946.5	941.7	940.1	936.3	936.3	936.8
25°	932.0	930.4	925.0	924.0	923.4	921.3	922.4
27.5°	909.5	908.4	904.1	902.5	900.4	899.8	900.9
30°	868.2	866.5	863.3	861.7	858.0	858.5	859.6
32.5°	816.7	814.5	810.2	808.6	805.4	804.3	804.8
35°	752.3	750.7	746.9	746.9	743.7	742.6	743.7
37.5°	686.8	688.4	686.8	688.4	686.8	686.3	686.8
40°	625.1	631.0	632.1	638.0	635.8	639.0	638.5
42.5°	566.1	575.7	579.5	584.3	583.3	585.4	587.0
45°	506.5	514.6	518.3	521.5	522.1	523.2	523.7
47.5°	450.2	456.6	457.1	460.9	460.4	460.4	462.0
50°	397.6	401.9	402.9	405.6	403.5	402.4	402.9
52.5°	348.8	353.1	352.0	353.1	350.4	349.3	349.8
55°	298.9	301.0	301.0	301.0	297.8	297.8	297.8
57.5°	247.9	248.4	247.4	247.9	247.4	244.1	243.6
60°	201.2	201.2	200.7	201.2	199.6	198.0	198.0
62.5°	157.2	158.3	160.4	158.3	157.2	158.3	156.7
65°	117.5	119.7	119.1	120.2	119.7	119.7	118.6
67.5°	88.5	89.1	89.6	90.2	90.2	90.2	90.2
70°	64.9	66.5	66.0	66.0	66.0	66.0	69.2
72.5°	43.5	45.6	45.1	46.1	46.1	47.2	46.1
75°	29.5	31.6	30.6	32.2	31.6	30.6	33.3
77.5°	19.9	20.9	21.5	22.0	21.5	20.9	21.5
80°	14.0	15.0	14.5	15.0	15.0	15.0	15.6
82.5°	8.6	10.2	9.7	10.2	9.7	10.2	10.2
85°	5.9	6.4	5.4	6.4	5.9	5.9	7.0
87.5°	3.8	3.2	3.2	3.8	3.2	3.8	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)