

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: P245949

Luminaire Tested: **LSR8B30D010 EC8B30927 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245949
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: LSR8B30D010 EC8B30927 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1851.8 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

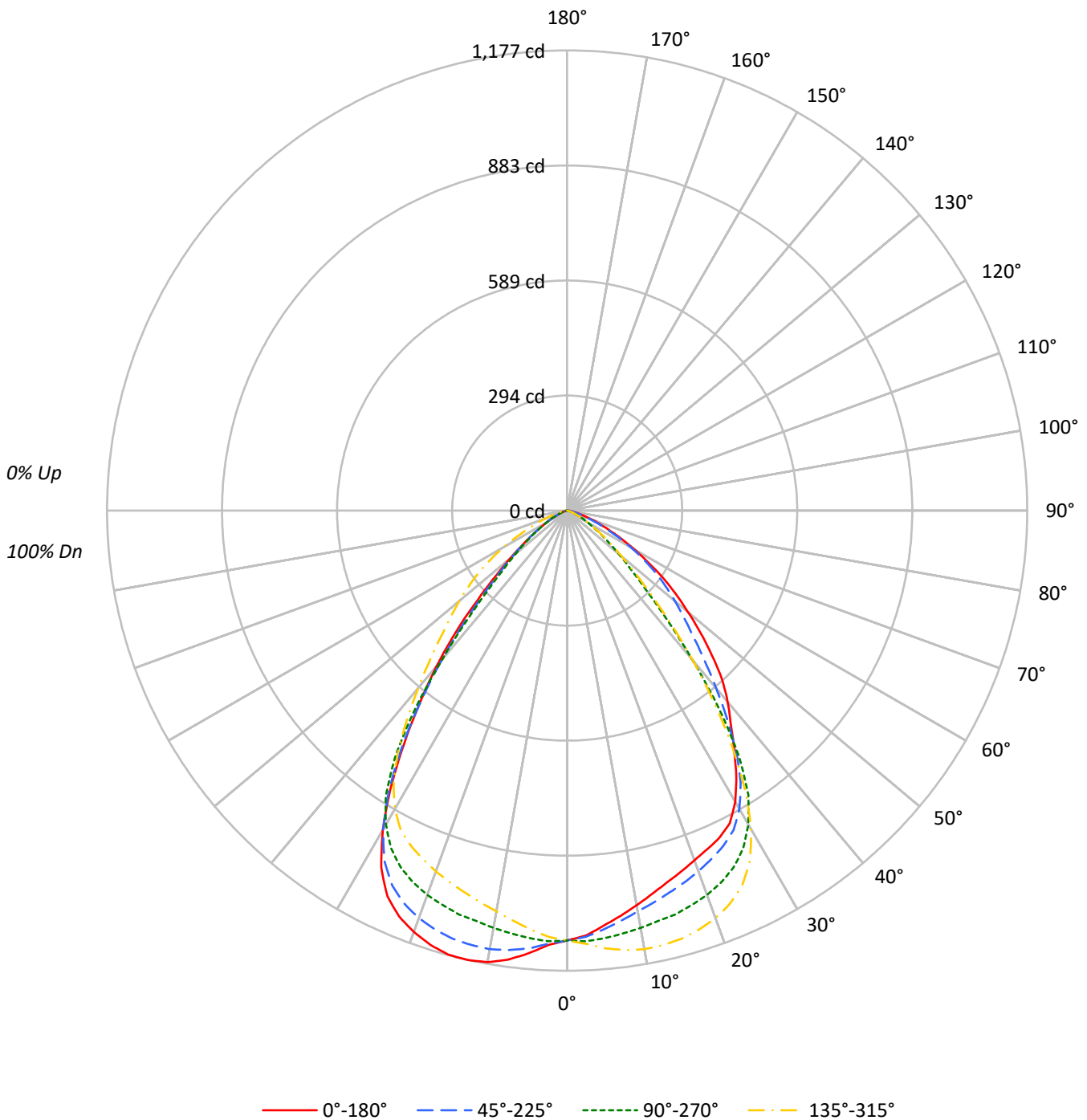
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	Luminaire represents a point source (luminous area is zero).			
5°	No luminance values can be calculated.			
10°				
15°				
20°				
25°				
30°				
35°				
40°				
45°				
50°				
55°				
60°				
65°				
70°				
75°				
80°				
85°				



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.6	5.7
10°-20°	303.0	16.4
20°-30°	458.8	24.8
30°-40°	459.8	24.8
40°-50°	288.8	15.6
50°-60°	153.9	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°	866.5	46.8
0°-40°	1326.3	71.6
0°-60°	1768.9	95.5
0°-90°	1851.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1851.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1099	1099	1099	1099	1099	
5°	1066	1098	1137	1098	1066	101
15°	985	1069	1176	1069	985	279
25°	923	1007	1088	1007	923	423
35°	744	765	726	765	744	466
45°	524	280	324	280	524	403
55°	298	104	110	104	298	266
65°	119	32	29	32	119	123
75°	33	6	5	6	33	38
85°	7	0	1	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°	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4
2.5°	1088.1	1087.0	1086.4	1087.5	1088.1	1090.2	1089.7	1090.7	1090.7	1091.2	1092.4
5°	1066.0	1065.5	1066.0	1066.0	1068.2	1070.3	1069.8	1071.4	1072.5	1075.2	1076.3
7.5°	1045.7	1045.7	1045.1	1047.3	1048.4	1051.5	1051.0	1053.7	1055.4	1058.0	1061.8
10°	1024.8	1024.8	1025.2	1026.9	1027.5	1032.2	1032.2	1036.0	1038.1	1040.9	1045.7
12.5°	1004.3	1004.3	1007.6	1006.4	1008.6	1012.4	1014.0	1017.7	1020.9	1026.3	1031.2
15°	984.9	984.9	986.1	988.8	990.3	995.2	997.9	1002.2	1006.0	1011.3	1018.2
17.5°	968.4	967.8	968.4	971.6	974.8	979.1	981.2	986.6	990.3	997.3	1003.8
20°	951.8	952.8	952.8	955.5	957.6	963.0	965.1	971.1	975.4	981.8	989.3
22.5°	937.2	936.7	936.7	940.5	942.1	946.9	949.0	954.3	959.2	964.6	971.6
25°	922.7	921.6	923.8	924.3	925.4	930.7	932.4	936.1	941.0	945.8	952.8
27.5°	901.2	900.2	900.7	902.8	904.5	908.8	909.9	913.6	917.3	921.6	927.6
30°	860.0	858.8	858.4	862.1	863.7	866.9	868.5	874.9	876.0	880.9	885.2
32.5°	805.2	804.6	805.7	808.9	810.6	814.8	817.0	820.7	823.4	826.1	830.4
35°	744.0	742.9	744.0	747.2	747.2	750.9	752.6	754.2	753.6	754.2	753.1
37.5°	687.0	686.6	687.0	688.7	687.0	688.7	687.0	683.9	677.9	671.5	665.1
40°	638.8	639.3	636.1	638.2	632.4	631.2	625.4	617.3	605.5	592.6	574.3
42.5°	587.2	585.7	583.5	584.6	579.7	576.0	566.3	556.1	541.0	519.6	497.6
45°	523.9	523.4	522.3	521.8	518.5	514.8	506.7	494.9	478.2	456.3	430.0
47.5°	462.2	460.6	460.6	461.1	457.3	456.8	450.3	440.2	425.7	404.2	376.8
50°	403.1	402.5	403.7	405.8	403.1	402.1	397.8	390.8	377.9	359.7	333.9
52.5°	350.0	349.4	350.6	353.2	352.1	353.2	348.9	343.6	334.9	317.2	294.8
55°	297.9	297.9	297.9	301.2	301.2	301.2	299.0	295.8	287.7	274.8	253.9
57.5°	243.7	244.2	247.5	248.0	247.5	248.5	248.0	244.8	239.4	230.3	214.2
60°	198.1	198.1	199.7	201.3	200.7	201.3	201.3	199.7	194.3	186.9	173.9
62.5°	156.7	158.4	157.3	158.4	160.5	158.4	157.3	156.3	152.4	147.6	136.9
65°	118.6	119.7	119.7	120.3	119.1	119.7	117.6	116.0	113.8	108.4	101.5
67.5°	90.2	90.2	90.2	90.2	89.7	89.1	88.5	87.0	83.2	81.1	73.6
70°	69.2	66.0	66.0	66.0	66.0	66.6	64.9	62.8	61.8	57.9	52.6
72.5°	46.1	47.2	46.1	46.1	45.1	45.7	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	27.3	27.3	25.8	24.2
77.5°	21.5	20.9	21.5	22.0	21.5	20.9	19.9	18.8	18.8	18.2	16.7
80°	15.5	15.1	15.1	15.1	14.5	15.1	14.0	14.0	12.8	12.4	11.2
82.5°	10.2	10.2	9.7	10.2	9.7	10.2	8.5	8.5	8.5	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°	3.3	3.7	3.3	3.7	3.3	3.3	3.7	3.3	3.3	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°	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4
2.5°	1094.0	1094.5	1094.5	1096.6	1097.7	1098.2	1098.2	1102.5	1100.9	1102.0	1103.1
5°	1078.4	1081.6	1082.7	1082.7	1088.6	1090.7	1092.8	1097.7	1098.2	1101.5	1105.2
7.5°	1063.4	1067.1	1069.3	1074.0	1077.9	1081.6	1088.1	1091.2	1094.5	1098.8	1103.6
10°	1048.8	1053.2	1057.5	1061.2	1067.1	1071.9	1076.3	1083.7	1087.5	1093.4	1099.8
12.5°	1034.9	1040.9	1044.6	1051.0	1057.5	1061.8	1068.2	1075.2	1081.1	1087.0	1094.5
15°	1022.6	1029.6	1033.9	1040.9	1047.8	1053.7	1060.6	1069.3	1073.6	1080.6	1087.5
17.5°	1009.1	1016.7	1022.1	1028.5	1037.0	1043.4	1049.4	1058.0	1063.4	1070.9	1079.0
20°	995.2	1002.7	1009.1	1015.5	1024.2	1030.6	1037.6	1046.1	1052.1	1059.6	1066.0
22.5°	978.5	985.5	992.5	1000.0	1008.6	1014.0	1022.1	1029.6	1036.0	1043.0	1049.4
25°	957.0	965.7	971.1	978.0	984.9	990.9	999.4	1007.0	1012.4	1018.8	1024.8
27.5°	931.8	938.2	942.6	948.5	955.5	960.9	967.3	974.8	980.2	986.1	990.3
30°	888.9	894.8	898.5	902.8	909.9	914.7	920.0	927.0	930.7	935.1	938.8
32.5°	832.5	837.3	839.5	842.7	847.6	852.4	856.7	862.6	864.2	866.9	866.9
35°	750.9	752.1	751.5	752.6	754.8	757.4	761.2	764.9	767.0	767.0	765.4
37.5°	655.4	649.0	642.0	636.6	635.1	633.9	636.1	637.6	639.9	640.9	638.2
40°	556.1	541.6	526.1	512.1	502.4	498.2	496.6	497.6	497.6	501.3	501.3
42.5°	470.8	448.2	425.1	404.2	390.3	379.5	374.6	374.6	375.2	377.9	379.5
45°	399.9	371.5	344.6	321.5	302.2	288.2	281.8	280.2	279.7	280.7	284.5
47.5°	345.7	316.1	288.2	259.8	239.4	225.4	219.6	217.4	215.2	217.4	217.9
50°	303.3	272.7	243.2	214.8	193.3	180.9	173.4	170.1	169.6	169.6	170.7
52.5°	264.6	236.1	206.7	177.6	155.1	143.3	136.4	134.8	132.6	134.8	134.8
55°	228.2	199.7	170.7	143.3	124.5	112.2	105.8	103.6	102.5	104.2	104.2
57.5°	188.4	164.2	137.5	112.7	93.9	85.4	80.6	77.9	77.3	78.4	77.3
60°	154.6	134.2	111.2	88.5	74.1	64.9	61.2	60.1	59.1	60.1	60.1
62.5°	122.4	105.2	86.4	69.2	56.9	50.5	46.1	46.1	45.7	45.7	46.1
65°	90.7	77.3	63.9	49.4	39.7	34.9	31.6	31.6	31.2	31.6	31.2
67.5°	66.0	56.9	46.1	36.0	28.5	25.8	23.6	22.0	23.1	22.0	21.5
70°	48.4	40.8	33.3	27.3	22.0	19.3	17.8	17.2	16.1	16.1	16.1
72.5°	32.2	27.3	22.5	17.8	14.5	11.8	11.2	10.2	9.1	9.7	10.7
75°	21.5	18.2	16.1	12.8	9.7	9.7	6.4	6.4	5.4	6.4	4.8
77.5°	15.1	12.4	9.7	8.0	6.4	5.9	4.3	4.3	3.7	3.7	3.7
80°	10.7	9.1	7.0	5.9	4.3	4.3	3.7	3.3	2.7	2.7	3.3
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°	3.7	3.3	2.7	1.6	1.1	1.1	0.6	0.0	0.6	0.6	0.0
87.5°	2.1	1.1	1.1	0.6	0.0	0.6	0.6	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°	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4
2.5°	1105.8	1105.2	1106.3	1106.3	1109.6	1109.0	1110.6	1110.6	1109.6	1110.0	1112.2
5°	1109.6	1111.2	1114.3	1117.0	1121.9	1124.0	1126.7	1129.4	1130.0	1131.5	1133.1
7.5°	1109.6	1114.9	1118.7	1123.4	1130.0	1133.7	1139.6	1144.5	1146.6	1149.2	1152.4
10°	1107.3	1112.7	1119.7	1125.1	1133.1	1139.1	1144.9	1152.4	1155.7	1160.0	1164.3
12.5°	1103.1	1109.0	1116.4	1123.4	1132.6	1137.9	1145.5	1152.4	1157.3	1163.2	1168.1
15°	1096.6	1103.6	1110.6	1117.6	1127.2	1133.7	1140.6	1148.7	1153.6	1160.0	1164.3
17.5°	1086.4	1094.0	1100.4	1106.9	1116.0	1123.4	1130.0	1137.5	1142.3	1147.6	1153.6
20°	1074.0	1081.1	1088.1	1093.4	1102.5	1109.0	1116.0	1123.0	1126.7	1127.8	1136.9
22.5°	1058.5	1063.4	1068.8	1077.3	1082.7	1088.6	1095.1	1101.5	1105.2	1111.2	1114.3
25°	1032.8	1037.6	1043.4	1047.3	1053.7	1058.5	1064.9	1071.9	1074.0	1078.4	1081.6
27.5°	996.9	999.4	1002.2	1005.4	1009.1	1011.8	1015.5	1018.8	1020.9	1023.1	1025.2
30°	939.9	939.9	939.9	937.8	939.4	941.0	941.5	941.0	941.0	940.5	940.5
32.5°	864.8	860.5	855.7	851.3	849.7	847.6	846.4	844.9	842.2	840.6	841.2
35°	763.3	753.6	747.8	742.4	738.1	734.8	733.3	731.6	731.1	729.0	726.8
37.5°	636.6	629.7	625.4	622.1	618.4	615.2	615.7	616.3	617.8	616.7	617.3
40°	502.4	500.8	502.4	498.7	497.6	498.7	501.3	505.1	507.3	509.4	513.1
42.5°	382.2	384.9	388.7	388.7	390.3	392.4	395.6	401.5	404.8	408.5	412.8
45°	287.7	290.9	295.8	297.3	298.5	301.2	304.9	309.7	311.8	315.1	318.8
47.5°	221.7	223.9	226.5	229.2	231.9	233.0	236.7	236.7	239.4	241.5	242.7
50°	172.8	174.9	177.1	178.8	179.8	181.5	182.5	184.2	184.6	185.7	186.3
52.5°	135.2	137.9	137.9	139.0	140.6	142.2	141.8	142.2	142.8	142.8	144.3
55°	105.8	105.8	107.3	107.3	108.4	107.9	108.4	108.4	108.4	108.4	109.0
57.5°	78.9	79.4	81.1	80.0	79.4	80.6	79.4	80.6	80.0	81.1	79.4
60°	60.6	60.6	61.2	61.2	61.8	61.8	61.8	61.2	61.2	60.6	60.6
62.5°	45.7	46.1	46.7	46.1	46.1	46.1	45.7	45.7	45.1	44.6	44.6
65°	30.6	30.0	31.2	30.0	30.6	30.6	30.0	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	15.1	14.5	15.1	15.5	15.5	15.1	14.5	15.1	14.0	14.5
72.5°	9.1	9.1	9.1	9.1	9.1	9.7	9.7	9.7	8.5	8.5	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	3.3	3.3	3.3	3.3	3.3	3.3	3.3	2.7	3.3	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	0.6	1.1	1.1	0.6	1.1	1.1	0.6
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



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4
2.5°	1111.7	1111.2	1111.7	1112.2	1111.7	1111.2	1111.7	1112.2	1110.0	1109.6	1110.6
5°	1135.4	1135.4	1136.4	1136.9	1136.4	1135.4	1135.4	1133.1	1131.5	1130.0	1129.4
7.5°	1155.7	1156.7	1157.9	1158.4	1157.9	1156.7	1155.7	1152.4	1149.2	1146.6	1144.5
10°	1168.1	1169.7	1171.8	1172.8	1171.8	1169.7	1168.1	1164.3	1160.0	1155.7	1152.4
12.5°	1173.4	1175.1	1177.6	1177.2	1177.6	1175.1	1173.4	1168.1	1163.2	1157.3	1152.4
15°	1169.7	1171.8	1174.5	1175.5	1174.5	1171.8	1169.7	1164.3	1160.0	1153.6	1148.7
17.5°	1157.9	1161.1	1162.7	1164.3	1162.7	1161.1	1157.9	1153.6	1147.6	1142.3	1137.5
20°	1141.8	1143.9	1146.0	1146.6	1146.0	1143.9	1141.8	1136.9	1127.8	1126.7	1123.0
22.5°	1118.7	1120.3	1125.1	1123.4	1125.1	1120.3	1118.7	1114.3	1111.2	1105.2	1101.5
25°	1085.4	1087.0	1087.5	1088.1	1087.5	1087.0	1085.4	1081.6	1078.4	1074.0	1071.9
27.5°	1027.9	1027.9	1029.0	1029.6	1029.0	1027.9	1027.9	1025.2	1023.1	1020.9	1018.8
30°	941.0	941.0	941.0	943.6	941.0	941.0	941.0	940.5	940.5	941.0	941.0
32.5°	840.6	839.5	838.5	839.5	838.5	839.5	840.6	841.2	840.6	842.2	844.9
35°	726.8	726.3	727.9	725.7	727.9	726.3	726.8	726.8	729.0	731.1	731.6
37.5°	617.8	616.7	618.9	616.7	618.9	616.7	617.8	617.3	616.7	617.8	616.3
40°	514.2	515.2	515.2	519.6	515.2	515.2	514.2	513.1	509.4	507.3	505.1
42.5°	414.9	418.2	417.0	420.3	417.0	418.2	414.9	412.8	408.5	404.8	401.5
45°	321.0	323.1	323.1	324.2	323.1	323.1	321.0	318.8	315.1	311.8	309.7
47.5°	246.4	246.4	246.4	246.9	246.4	246.4	246.4	242.7	241.5	239.4	236.7
50°	187.3	187.9	188.4	189.0	188.4	187.9	187.3	186.3	185.7	184.6	184.2
52.5°	143.9	144.3	143.3	144.3	143.3	144.3	143.9	144.3	142.8	142.8	142.2
55°	109.0	108.4	109.0	109.5	109.0	108.4	109.0	109.0	108.4	108.4	108.4
57.5°	80.0	78.9	78.9	78.9	78.9	78.9	80.0	79.4	81.1	80.0	80.6
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	45.7	44.6	45.7	44.6	45.7	44.0	44.6	44.6	45.1	45.7
65°	28.5	28.5	28.5	29.0	28.5	28.5	28.5	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°	15.5	14.0	14.0	15.5	14.0	14.0	15.5	14.5	14.0	15.1	14.5
72.5°	9.1	8.0	9.1	9.1	9.1	8.0	9.1	8.0	8.5	8.5	9.7
75°	4.8	4.3	3.7	5.4	3.7	4.3	4.8	4.8	4.8	4.8	5.4
77.5°	3.3	2.7	3.7	3.7	3.7	2.7	3.3	2.7	3.3	2.7	3.3
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°	0.6	1.1	1.1	1.1	1.1	1.1	0.6	0.6	1.1	1.1	0.6
85°	0.0	1.1	0.6	0.6	0.6	1.1	0.0	0.0	0.0	0.0	0.0
87.5°	0.6	0.0	0.0	0.6	0.0	0.0	0.6	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: P245949

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4
2.5°	1110.6	1109.0	1109.6	1106.3	1106.3	1105.2	1105.8	1103.1	1102.0	1100.9	1102.5
5°	1126.7	1124.0	1121.9	1117.0	1114.3	1111.2	1109.6	1105.2	1101.5	1098.2	1097.7
7.5°	1139.6	1133.7	1130.0	1123.4	1118.7	1114.9	1109.6	1103.6	1098.8	1094.5	1091.2
10°	1144.9	1139.1	1133.1	1125.1	1119.7	1112.7	1107.3	1099.8	1093.4	1087.5	1083.7
12.5°	1145.5	1137.9	1132.6	1123.4	1116.4	1109.0	1103.1	1094.5	1087.0	1081.1	1075.2
15°	1140.6	1133.7	1127.2	1117.6	1110.6	1103.6	1096.6	1087.5	1080.6	1073.6	1069.3
17.5°	1130.0	1123.4	1116.0	1106.9	1100.4	1094.0	1086.4	1079.0	1070.9	1063.4	1058.0
20°	1116.0	1109.0	1102.5	1093.4	1088.1	1081.1	1074.0	1066.0	1059.6	1052.1	1046.1
22.5°	1095.1	1088.6	1082.7	1077.3	1068.8	1063.4	1058.5	1049.4	1043.0	1036.0	1029.6
25°	1064.9	1058.5	1053.7	1047.3	1043.4	1037.6	1032.8	1024.8	1018.8	1012.4	1007.0
27.5°	1015.5	1011.8	1009.1	1005.4	1002.2	999.4	996.9	990.3	986.1	980.2	974.8
30°	941.5	941.0	939.4	937.8	939.9	939.9	939.9	938.8	935.1	930.7	927.0
32.5°	846.4	847.6	849.7	851.3	855.7	860.5	864.8	866.9	866.9	864.2	862.6
35°	733.3	734.8	738.1	742.4	747.8	753.6	763.3	765.4	767.0	767.0	764.9
37.5°	615.7	615.2	618.4	622.1	625.4	629.7	636.6	638.2	640.9	639.9	637.6
40°	501.3	498.7	497.6	498.7	502.4	500.8	502.4	501.3	501.3	497.6	497.6
42.5°	395.6	392.4	390.3	388.7	388.7	384.9	382.2	379.5	377.9	375.2	374.6
45°	304.9	301.2	298.5	297.3	295.8	290.9	287.7	284.5	280.7	279.7	280.2
47.5°	236.7	233.0	231.9	229.2	226.5	223.9	221.7	217.9	217.4	215.2	217.4
50°	182.5	181.5	179.8	178.8	177.1	174.9	172.8	170.7	169.6	169.6	170.1
52.5°	141.8	142.2	140.6	139.0	137.9	137.9	135.2	134.8	134.8	132.6	134.8
55°	108.4	107.9	108.4	107.3	107.3	105.8	105.8	104.2	104.2	102.5	103.6
57.5°	79.4	80.6	79.4	80.0	81.1	79.4	78.9	77.3	78.4	77.3	77.9
60°	61.8	61.8	61.8	61.2	61.2	60.6	60.6	60.1	60.1	59.1	60.1
62.5°	45.7	46.1	46.1	46.1	46.7	46.1	45.7	46.1	45.7	45.7	46.1
65°	30.0	30.6	30.6	30.0	31.2	30.0	30.6	31.2	31.6	31.2	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°	15.1	15.5	15.5	15.1	14.5	15.1	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°	3.3	3.3	3.3	3.3	3.3	3.3	4.3	3.7	3.7	3.7	4.3
80°	2.7	2.1	2.1	1.6	2.1	2.1	2.1	3.3	2.7	2.7	3.3
82.5°	1.1	1.1	0.6	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	0.6	0.6	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: P245949

CATALOG NUMBER: LSR8B30D010 EC8B30927 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4
2.5°	1098.2	1098.2	1097.7	1096.6	1094.5	1094.5	1094.0	1092.4	1091.2	1090.7	1090.7
5°	1092.8	1090.7	1088.6	1082.7	1082.7	1081.6	1078.4	1076.3	1075.2	1072.5	1071.4
7.5°	1088.1	1081.6	1077.9	1074.0	1069.3	1067.1	1063.4	1061.8	1058.0	1055.4	1053.7
10°	1076.3	1071.9	1067.1	1061.2	1057.5	1053.2	1048.8	1045.7	1040.9	1038.1	1036.0
12.5°	1068.2	1061.8	1057.5	1051.0	1044.6	1040.9	1034.9	1031.2	1026.3	1020.9	1017.7
15°	1060.6	1053.7	1047.8	1040.9	1033.9	1029.6	1022.6	1018.2	1011.3	1006.0	1002.2
17.5°	1049.4	1043.4	1037.0	1028.5	1022.1	1016.7	1009.1	1003.8	997.3	990.3	986.6
20°	1037.6	1030.6	1024.2	1015.5	1009.1	1002.7	995.2	989.3	981.8	975.4	971.1
22.5°	1022.1	1014.0	1008.6	1000.0	992.5	985.5	978.5	971.6	964.6	959.2	954.3
25°	999.4	990.9	984.9	978.0	971.1	965.7	957.0	952.8	945.8	941.0	936.1
27.5°	967.3	960.9	955.5	948.5	942.6	938.2	931.8	927.6	921.6	917.3	913.6
30°	920.0	914.7	909.9	902.8	898.5	894.8	888.9	885.2	880.9	876.0	874.9
32.5°	856.7	852.4	847.6	842.7	839.5	837.3	832.5	830.4	826.1	823.4	820.7
35°	761.2	757.4	754.8	752.6	751.5	752.1	750.9	753.1	754.2	753.6	754.2
37.5°	636.1	633.9	635.1	636.6	642.0	649.0	655.4	665.1	671.5	677.9	683.9
40°	496.6	498.2	502.4	512.1	526.1	541.6	556.1	574.3	592.6	605.5	617.3
42.5°	374.6	379.5	390.3	404.2	425.1	448.2	470.8	497.6	519.6	541.0	556.1
45°	281.8	288.2	302.2	321.5	344.6	371.5	399.9	430.0	456.3	478.2	494.9
47.5°	219.6	225.4	239.4	259.8	288.2	316.1	345.7	376.8	404.2	425.7	440.2
50°	173.4	180.9	193.3	214.8	243.2	272.7	303.3	333.9	359.7	377.9	390.8
52.5°	136.4	143.3	155.1	177.6	206.7	236.1	264.6	294.8	317.2	334.9	343.6
55°	105.8	112.2	124.5	143.3	170.7	199.7	228.2	253.9	274.8	287.7	295.8
57.5°	80.6	85.4	93.9	112.7	137.5	164.2	188.4	214.2	230.3	239.4	244.8
60°	61.2	64.9	74.1	88.5	111.2	134.2	154.6	173.9	186.9	194.3	199.7
62.5°	46.1	50.5	56.9	69.2	86.4	105.2	122.4	136.9	147.6	152.4	156.3
65°	31.6	34.9	39.7	49.4	63.9	77.3	90.7	101.5	108.4	113.8	116.0
67.5°	23.6	25.8	28.5	36.0	46.1	56.9	66.0	73.6	81.1	83.2	87.0
70°	17.8	19.3	22.0	27.3	33.3	40.8	48.4	52.6	57.9	61.8	62.8
72.5°	11.2	11.8	14.5	17.8	22.5	27.3	32.2	36.0	39.2	41.3	42.4
75°	6.4	9.7	9.7	12.8	16.1	18.2	21.5	24.2	25.8	27.3	27.3
77.5°	4.3	5.9	6.4	8.0	9.7	12.4	15.1	16.7	18.2	18.8	18.8
80°	3.7	4.3	4.3	5.9	7.0	9.1	10.7	11.2	12.4	12.8	14.0
82.5°	1.6	2.1	2.7	4.3	4.8	4.8	6.4	7.0	8.0	8.5	8.5
85°	0.6	1.1	1.1	1.6	2.7	3.3	3.7	4.3	4.8	4.8	5.4
87.5°	0.6	0.6	0.0	0.6	1.1	1.1	2.1	2.1	2.1	3.3	3.3
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: P245949

CATALOG NUMBER: LSR8B30D010 EC8B30927 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4	1099.4
2.5°	1089.7	1090.2	1088.1	1087.5	1086.4	1087.0	1088.1
5°	1069.8	1070.3	1068.2	1066.0	1066.0	1065.5	1066.0
7.5°	1051.0	1051.5	1048.4	1047.3	1045.1	1045.7	1045.7
10°	1032.2	1032.2	1027.5	1026.9	1025.2	1024.8	1024.8
12.5°	1014.0	1012.4	1008.6	1006.4	1007.6	1004.3	1004.3
15°	997.9	995.2	990.3	988.8	986.1	984.9	984.9
17.5°	981.2	979.1	974.8	971.6	968.4	967.8	968.4
20°	965.1	963.0	957.6	955.5	952.8	952.8	951.8
22.5°	949.0	946.9	942.1	940.5	936.7	936.7	937.2
25°	932.4	930.7	925.4	924.3	923.8	921.6	922.7
27.5°	909.9	908.8	904.5	902.8	900.7	900.2	901.2
30°	868.5	866.9	863.7	862.1	858.4	858.8	860.0
32.5°	817.0	814.8	810.6	808.9	805.7	804.6	805.2
35°	752.6	750.9	747.2	747.2	744.0	742.9	744.0
37.5°	687.0	688.7	687.0	688.7	687.0	686.6	687.0
40°	625.4	631.2	632.4	638.2	636.1	639.3	638.8
42.5°	566.3	576.0	579.7	584.6	583.5	585.7	587.2
45°	506.7	514.8	518.5	521.8	522.3	523.4	523.9
47.5°	450.3	456.8	457.3	461.1	460.6	460.6	462.2
50°	397.8	402.1	403.1	405.8	403.7	402.5	403.1
52.5°	348.9	353.2	352.1	353.2	350.6	349.4	350.0
55°	299.0	301.2	301.2	301.2	297.9	297.9	297.9
57.5°	248.0	248.5	247.5	248.0	247.5	244.2	243.7
60°	201.3	201.3	200.7	201.3	199.7	198.1	198.1
62.5°	157.3	158.4	160.5	158.4	157.3	158.4	156.7
65°	117.6	119.7	119.1	120.3	119.7	119.7	118.6
67.5°	88.5	89.1	89.7	90.2	90.2	90.2	90.2
70°	64.9	66.6	66.0	66.0	66.0	66.0	69.2
72.5°	43.5	45.7	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	15.1	14.5	15.1	15.1	15.1	15.5
82.5°	8.5	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°	3.7	3.3	3.3	3.7	3.3	3.7	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)