

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: P245955

Luminaire Tested: **LD8B30D010 ER8B30930 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245955
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: LD8B30D010 ER8B30930 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1951.6 lumens
Efficiency: N/A
Efficacy: 72.0 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

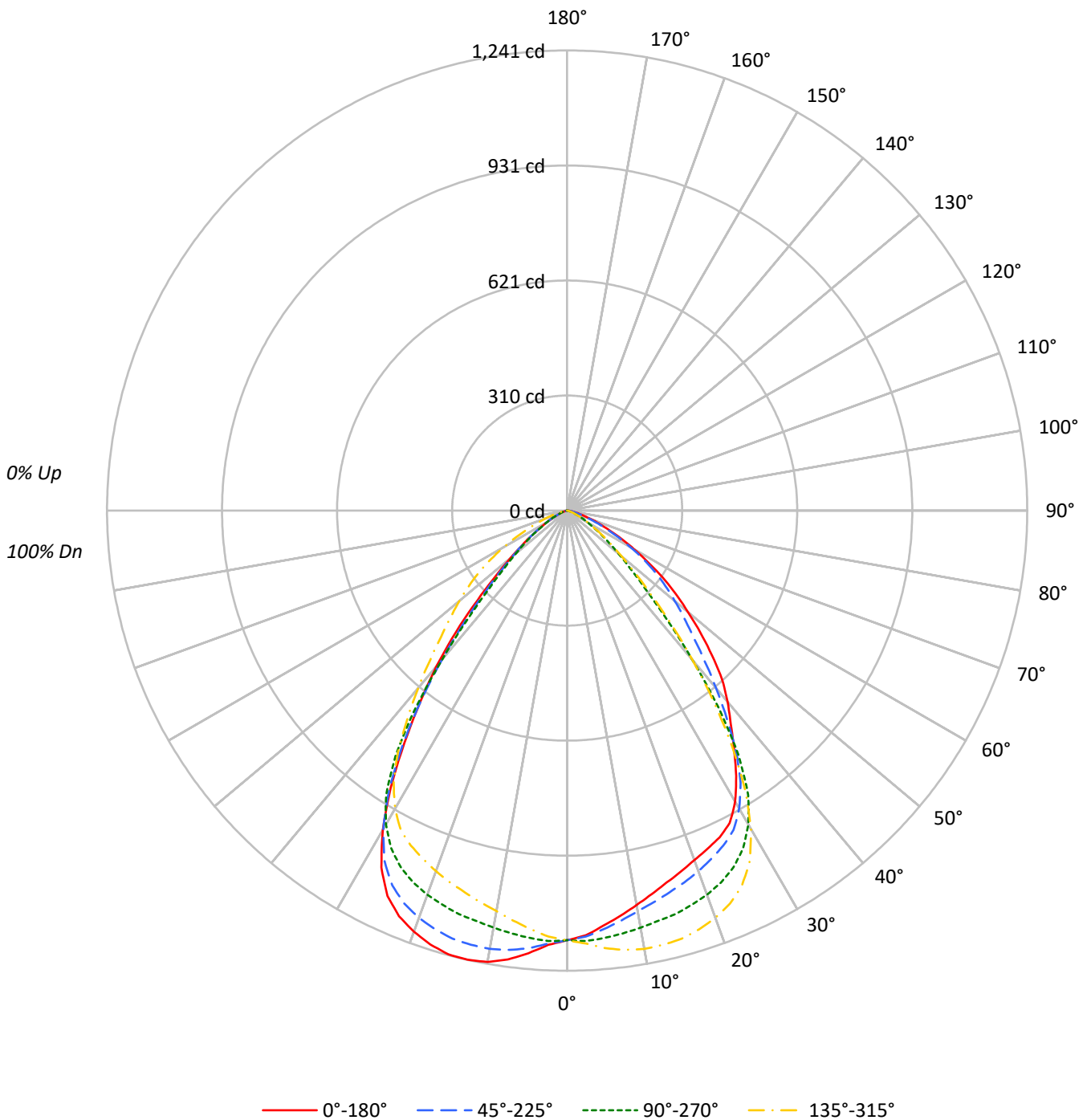
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	110.3	5.7
10°-20°	319.4	16.4
20°-30°	483.6	24.8
30°-40°	484.7	24.8
40°-50°	304.3	15.6
50°-60°	162.2	8.3
60°-70°	66.7	3.4
70°-80°	17.6	0.9
80°-90°	3.0	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°	913.2	46.8
0°-40°	1397.9	71.6
0°-60°	1864.4	95.5
0°-90°	1951.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1951.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1159	1159	1159	1159	1159	
5°	1124	1157	1198	1157	1124	106
15°	1038	1127	1239	1127	1038	294
25°	972	1061	1147	1061	972	446
35°	784	806	765	806	784	491
45°	552	295	342	295	552	425
55°	314	109	116	109	314	280
65°	125	33	31	33	125	130
75°	35	7	6	7	35	40
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°	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7
2.5°	1146.8	1145.7	1145.1	1146.2	1146.8	1149.0	1148.5	1149.6	1149.6	1150.1	1151.3
5°	1123.6	1123.0	1123.6	1123.6	1125.8	1128.1	1127.5	1129.2	1130.3	1133.2	1134.3
7.5°	1102.1	1102.1	1101.5	1103.7	1104.9	1108.3	1107.7	1110.6	1112.3	1115.1	1119.0
10°	1080.0	1080.0	1080.5	1082.2	1082.9	1087.9	1087.9	1091.9	1094.1	1097.0	1102.1
12.5°	1058.6	1058.6	1061.9	1060.8	1063.0	1067.0	1068.6	1072.7	1076.0	1081.7	1086.8
15°	1038.2	1038.2	1039.3	1042.1	1043.8	1048.9	1051.7	1056.2	1060.2	1065.8	1073.2
17.5°	1020.6	1020.0	1020.6	1024.0	1027.4	1031.9	1034.1	1039.8	1043.8	1051.2	1058.0
20°	1003.1	1004.2	1004.2	1007.0	1009.2	1015.0	1017.2	1023.5	1028.0	1034.7	1042.6
22.5°	987.8	987.3	987.3	991.2	992.9	997.9	1000.3	1005.9	1011.0	1016.6	1024.0
25°	972.5	971.3	973.7	974.3	975.4	981.0	982.7	986.6	991.7	996.8	1004.2
27.5°	949.8	948.8	949.3	951.6	953.3	957.8	958.9	962.9	966.9	971.3	977.6
30°	906.3	905.2	904.6	908.6	910.3	913.6	915.4	922.1	923.3	928.4	932.9
32.5°	848.6	848.0	849.2	852.5	854.3	858.8	861.0	865.1	867.9	870.7	875.2
35°	784.1	783.0	784.1	787.5	787.5	791.5	793.2	794.9	794.3	794.9	793.8
37.5°	724.2	723.6	724.2	725.8	724.2	725.8	724.2	720.8	714.5	707.8	701.0
40°	673.3	673.8	670.5	672.7	666.4	665.3	659.1	650.6	638.2	624.6	605.3
42.5°	618.9	617.2	615.0	616.1	611.1	607.0	596.8	586.2	570.3	547.6	524.4
45°	552.2	551.6	550.5	550.0	546.5	542.6	534.0	521.6	504.1	480.9	453.1
47.5°	487.1	485.4	485.4	486.0	482.0	481.5	474.6	463.9	448.6	426.0	397.2
50°	424.9	424.3	425.4	427.7	424.9	423.7	419.3	411.9	398.3	379.0	351.9
52.5°	368.8	368.2	369.5	372.3	371.2	372.3	367.7	362.1	353.0	334.4	310.6
55°	314.0	314.0	314.0	317.4	317.4	317.4	315.1	311.8	303.2	289.7	267.6
57.5°	256.8	257.4	260.9	261.4	260.9	262.0	261.4	257.9	252.3	242.7	225.8
60°	208.7	208.7	210.4	212.2	211.5	212.2	212.2	210.4	204.8	196.8	183.3
62.5°	165.2	166.9	165.8	166.9	169.2	166.9	165.8	164.7	160.6	155.6	144.3
65°	125.0	126.1	126.1	126.7	125.6	126.1	123.9	122.2	119.9	114.3	106.9
67.5°	95.1	95.1	95.1	95.1	94.5	93.9	93.4	91.7	87.7	85.4	77.5
70°	73.0	69.6	69.6	69.6	69.6	70.2	68.5	66.3	65.0	61.1	55.5
72.5°	48.7	49.8	48.7	48.7	47.5	48.1	45.8	44.7	43.6	41.4	37.9
75°	35.1	32.3	33.4	34.0	32.3	33.4	31.2	28.8	28.8	27.1	25.4
77.5°	22.6	22.1	22.6	23.2	22.6	22.1	21.0	19.8	19.8	19.3	17.5
80°	16.4	15.8	15.8	15.8	15.2	15.8	14.7	14.7	13.6	13.0	11.9
82.5°	10.8	10.8	10.2	10.8	10.2	10.8	9.1	9.1	9.1	8.5	7.4
85°	7.4	6.2	6.2	6.8	5.6	6.8	6.2	5.6	5.0	5.0	4.5
87.5°	3.4	3.9	3.4	3.9	3.4	3.4	3.9	3.4	3.4	2.2	2.2
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°	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7
2.5°	1152.9	1153.5	1153.5	1155.9	1157.0	1157.5	1157.5	1162.0	1160.3	1161.5	1162.6
5°	1136.6	1139.9	1141.1	1141.1	1147.3	1149.6	1151.8	1157.0	1157.5	1160.9	1164.8
7.5°	1120.8	1124.7	1126.9	1132.1	1136.0	1139.9	1146.8	1150.1	1153.5	1158.1	1163.1
10°	1105.4	1110.0	1114.5	1118.4	1124.7	1129.7	1134.3	1142.2	1146.2	1152.4	1159.2
12.5°	1090.7	1097.0	1100.9	1107.7	1114.5	1119.0	1125.8	1133.2	1139.4	1145.7	1153.5
15°	1077.7	1085.1	1089.6	1097.0	1104.3	1110.6	1117.9	1126.9	1131.5	1138.8	1146.2
17.5°	1063.6	1071.6	1077.2	1084.0	1093.0	1099.8	1106.1	1115.1	1120.8	1128.6	1137.1
20°	1048.9	1056.8	1063.6	1070.3	1079.4	1086.2	1093.5	1102.6	1108.9	1116.7	1123.6
22.5°	1031.3	1038.7	1046.0	1054.0	1063.0	1068.6	1077.2	1085.1	1091.9	1099.3	1106.1
25°	1008.7	1017.8	1023.5	1030.8	1038.2	1044.3	1053.4	1061.4	1067.0	1073.8	1080.0
27.5°	982.1	988.9	993.4	999.7	1007.0	1012.7	1019.4	1027.4	1033.0	1039.3	1043.8
30°	936.8	943.1	947.0	951.6	958.9	964.1	969.7	977.1	981.0	985.6	989.5
32.5°	877.4	882.6	884.8	888.2	893.3	898.4	903.0	909.1	910.8	913.6	913.6
35°	791.5	792.5	792.0	793.2	795.5	798.3	802.2	806.2	808.5	808.5	806.8
37.5°	690.8	684.0	676.6	671.0	669.2	668.1	670.5	672.0	674.4	675.5	672.7
40°	586.2	570.8	554.4	539.8	529.6	525.0	523.3	524.4	524.4	528.4	528.4
42.5°	496.2	472.4	448.1	426.0	411.3	400.0	394.9	394.9	395.5	398.3	400.0
45°	421.5	391.5	363.2	338.9	318.5	303.8	297.1	295.3	294.7	295.8	299.9
47.5°	364.3	333.3	303.8	273.9	252.3	237.7	231.4	229.1	226.9	229.1	229.7
50°	319.6	287.4	256.3	226.3	203.7	190.7	182.7	179.4	178.8	178.8	179.9
52.5°	278.9	249.0	217.8	187.3	163.4	151.1	143.7	142.0	139.8	142.0	142.0
55°	240.5	210.4	179.9	151.1	131.3	118.3	111.4	109.2	108.1	109.7	109.7
57.5°	198.6	173.1	144.8	118.8	99.0	89.9	84.9	82.1	81.5	82.6	81.5
60°	162.9	141.5	117.1	93.4	78.1	68.5	64.5	63.3	62.2	63.3	63.3
62.5°	129.0	110.9	91.0	73.0	60.0	53.1	48.7	48.7	48.1	48.1	48.7
65°	95.6	81.5	67.4	52.0	41.8	36.8	33.4	33.4	32.8	33.4	32.8
67.5°	69.6	60.0	48.7	37.9	30.0	27.1	24.9	23.2	24.3	23.2	22.6
70°	50.9	42.9	35.1	28.8	23.2	20.4	18.7	18.0	16.9	16.9	16.9
72.5°	34.0	28.8	23.8	18.7	15.2	12.4	11.9	10.8	9.6	10.2	11.3
75°	22.6	19.3	16.9	13.6	10.2	10.2	6.8	6.8	5.6	6.8	5.0
77.5°	15.8	13.0	10.2	8.5	6.8	6.2	4.5	4.5	3.9	3.9	3.9
80°	11.3	9.6	7.4	6.2	4.5	4.5	3.9	3.4	2.8	2.8	3.4
82.5°	6.8	5.0	5.0	4.5	2.8	2.2	1.7	2.2	1.1	1.1	1.1
85°	3.9	3.4	2.8	1.7	1.1	1.1	0.6	0.0	0.6	0.6	0.0
87.5°	2.2	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°	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7
2.5°	1165.4	1164.8	1166.0	1166.0	1169.4	1168.9	1170.5	1170.5	1169.4	1170.0	1172.2
5°	1169.4	1171.1	1174.5	1177.3	1182.4	1184.7	1187.5	1190.3	1190.8	1192.6	1194.3
7.5°	1169.4	1175.0	1179.1	1184.1	1190.8	1194.9	1201.0	1206.2	1208.4	1211.2	1214.6
10°	1167.1	1172.8	1180.1	1185.8	1194.3	1200.5	1206.8	1214.6	1218.1	1222.6	1227.0
12.5°	1162.6	1168.9	1176.7	1184.1	1193.8	1199.4	1207.3	1214.6	1219.8	1225.9	1231.1
15°	1155.9	1163.1	1170.5	1177.8	1188.0	1194.9	1202.2	1210.7	1215.8	1222.6	1227.0
17.5°	1145.1	1152.9	1159.8	1166.5	1176.2	1184.1	1190.8	1198.8	1204.0	1209.6	1215.8
20°	1132.1	1139.4	1146.8	1152.4	1162.0	1168.9	1176.2	1183.6	1187.5	1188.6	1198.2
22.5°	1115.6	1120.8	1126.4	1135.5	1141.1	1147.3	1154.1	1160.9	1164.8	1171.1	1174.5
25°	1088.5	1093.5	1099.8	1103.7	1110.6	1115.6	1122.5	1129.7	1132.1	1136.6	1139.9
27.5°	1050.6	1053.4	1056.2	1059.7	1063.6	1066.4	1070.3	1073.8	1076.0	1078.3	1080.5
30°	990.6	990.6	990.6	988.4	990.1	991.7	992.3	991.7	991.7	991.2	991.2
32.5°	911.4	906.9	901.8	897.2	895.6	893.3	892.2	890.5	887.6	885.9	886.5
35°	804.4	794.3	788.1	782.5	777.9	774.5	772.8	771.1	770.6	768.3	766.0
37.5°	671.0	663.6	659.1	655.7	651.7	648.4	648.9	649.5	651.2	650.1	650.6
40°	529.6	527.9	529.6	525.5	524.4	525.5	528.4	532.4	534.6	536.8	540.9
42.5°	402.8	405.6	409.6	409.6	411.3	413.5	416.9	423.2	426.5	430.5	435.1
45°	303.2	306.6	311.8	313.4	314.6	317.4	321.4	326.4	328.7	332.0	336.1
47.5°	233.6	236.0	238.8	241.6	244.4	245.5	249.5	249.5	252.3	254.6	255.7
50°	182.2	184.4	186.6	188.4	189.6	191.2	192.4	194.0	194.6	195.7	196.3
52.5°	142.6	145.4	145.4	146.5	148.2	149.9	149.3	149.9	150.4	150.4	152.2
55°	111.4	111.4	113.1	113.1	114.3	113.7	114.3	114.3	114.3	114.3	114.9
57.5°	83.2	83.7	85.4	84.3	83.7	84.9	83.7	84.9	84.3	85.4	83.7
60°	63.9	63.9	64.5	64.5	65.0	65.0	65.0	64.5	64.5	63.9	63.9
62.5°	48.1	48.7	49.2	48.7	48.7	48.7	48.1	48.1	47.5	47.0	47.0
65°	32.3	31.7	32.8	31.7	32.3	32.3	31.7	32.3	30.6	31.2	30.6
67.5°	23.2	22.6	22.1	22.6	22.1	21.5	21.5	22.1	22.6	21.0	21.0
70°	15.2	15.8	15.2	15.8	16.4	16.4	15.8	15.2	15.8	14.7	15.2
72.5°	9.6	9.6	9.6	9.6	9.6	10.2	10.2	10.2	9.1	9.1	8.5
75°	4.5	6.2	5.0	4.5	6.2	6.2	5.6	5.6	5.0	5.0	5.0
77.5°	4.5	3.4	3.4	3.4	3.4	3.4	3.4	3.4	2.8	3.4	2.8
80°	2.2	2.2	2.2	1.7	2.2	2.2	2.8	2.2	2.2	1.7	2.8
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°	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7
2.5°	1171.7	1171.1	1171.7	1172.2	1171.7	1171.1	1171.7	1172.2	1170.0	1169.4	1170.5
5°	1196.6	1196.6	1197.7	1198.2	1197.7	1196.6	1196.6	1194.3	1192.6	1190.8	1190.3
7.5°	1218.1	1219.2	1220.3	1220.9	1220.3	1219.2	1218.1	1214.6	1211.2	1208.4	1206.2
10°	1231.1	1232.8	1235.0	1236.1	1235.0	1232.8	1231.1	1227.0	1222.6	1218.1	1214.6
12.5°	1236.7	1238.4	1241.3	1240.7	1241.3	1238.4	1236.7	1231.1	1225.9	1219.8	1214.6
15°	1232.8	1235.0	1237.8	1238.9	1237.8	1235.0	1232.8	1227.0	1222.6	1215.8	1210.7
17.5°	1220.3	1223.7	1225.4	1227.0	1225.4	1223.7	1220.3	1215.8	1209.6	1204.0	1198.8
20°	1203.3	1205.6	1207.9	1208.4	1207.9	1205.6	1203.3	1198.2	1188.6	1187.5	1183.6
22.5°	1179.1	1180.7	1185.8	1184.1	1185.8	1180.7	1179.1	1174.5	1171.1	1164.8	1160.9
25°	1143.9	1145.7	1146.2	1146.8	1146.2	1145.7	1143.9	1139.9	1136.6	1132.1	1129.7
27.5°	1083.4	1083.4	1084.6	1085.1	1084.6	1083.4	1083.4	1080.5	1078.3	1076.0	1073.8
30°	991.7	991.7	991.7	994.6	991.7	991.7	991.7	991.2	991.2	991.7	991.7
32.5°	885.9	884.8	883.7	884.8	883.7	884.8	885.9	886.5	885.9	887.6	890.5
35°	766.0	765.4	767.1	764.9	767.1	765.4	766.0	766.0	768.3	770.6	771.1
37.5°	651.2	650.1	652.3	650.1	652.3	650.1	651.2	650.6	650.1	651.2	649.5
40°	542.0	543.1	543.1	547.6	543.1	543.1	542.0	540.9	536.8	534.6	532.4
42.5°	437.3	440.7	439.5	443.0	439.5	440.7	437.3	435.1	430.5	426.5	423.2
45°	338.3	340.6	340.6	341.7	340.6	340.6	338.3	336.1	332.0	328.7	326.4
47.5°	259.6	259.6	259.6	260.3	259.6	259.6	259.6	255.7	254.6	252.3	249.5
50°	197.4	198.0	198.6	199.1	198.6	198.0	197.4	196.3	195.7	194.6	194.0
52.5°	151.7	152.2	151.1	152.2	151.1	152.2	151.7	152.2	150.4	150.4	149.9
55°	114.9	114.3	114.9	115.5	114.9	114.3	114.9	114.9	114.3	114.3	114.3
57.5°	84.3	83.2	83.2	83.2	83.2	83.2	84.3	83.7	85.4	84.3	84.9
60°	62.8	63.3	63.3	63.9	63.3	63.3	62.8	63.9	63.9	64.5	64.5
62.5°	46.4	48.1	47.0	48.1	47.0	48.1	46.4	47.0	47.0	47.5	48.1
65°	30.0	30.0	30.0	30.6	30.0	30.0	30.0	30.6	31.2	30.6	32.3
67.5°	20.4	21.0	22.1	21.5	22.1	21.0	20.4	21.0	21.0	22.6	22.1
70°	16.4	14.7	14.7	16.4	14.7	14.7	16.4	15.2	14.7	15.8	15.2
72.5°	9.6	8.5	9.6	9.6	9.6	8.5	9.6	8.5	9.1	9.1	10.2
75°	5.0	4.5	3.9	5.6	3.9	4.5	5.0	5.0	5.0	5.0	5.6
77.5°	3.4	2.8	3.9	3.9	3.9	2.8	3.4	2.8	3.4	2.8	3.4
80°	1.7	2.2	1.7	2.8	1.7	2.2	1.7	2.8	1.7	2.2	2.2
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: P245955

CATALOG NUMBER: LD8B30D010 ER8B30930 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7
2.5°	1170.5	1168.9	1169.4	1166.0	1166.0	1164.8	1165.4	1162.6	1161.5	1160.3	1162.0
5°	1187.5	1184.7	1182.4	1177.3	1174.5	1171.1	1169.4	1164.8	1160.9	1157.5	1157.0
7.5°	1201.0	1194.9	1190.8	1184.1	1179.1	1175.0	1169.4	1163.1	1158.1	1153.5	1150.1
10°	1206.8	1200.5	1194.3	1185.8	1180.1	1172.8	1167.1	1159.2	1152.4	1146.2	1142.2
12.5°	1207.3	1199.4	1193.8	1184.1	1176.7	1168.9	1162.6	1153.5	1145.7	1139.4	1133.2
15°	1202.2	1194.9	1188.0	1177.8	1170.5	1163.1	1155.9	1146.2	1138.8	1131.5	1126.9
17.5°	1190.8	1184.1	1176.2	1166.5	1159.8	1152.9	1145.1	1137.1	1128.6	1120.8	1115.1
20°	1176.2	1168.9	1162.0	1152.4	1146.8	1139.4	1132.1	1123.6	1116.7	1108.9	1102.6
22.5°	1154.1	1147.3	1141.1	1135.5	1126.4	1120.8	1115.6	1106.1	1099.3	1091.9	1085.1
25°	1122.5	1115.6	1110.6	1103.7	1099.8	1093.5	1088.5	1080.0	1073.8	1067.0	1061.4
27.5°	1070.3	1066.4	1063.6	1059.7	1056.2	1053.4	1050.6	1043.8	1039.3	1033.0	1027.4
30°	992.3	991.7	990.1	988.4	990.6	990.6	990.6	989.5	985.6	981.0	977.1
32.5°	892.2	893.3	895.6	897.2	901.8	906.9	911.4	913.6	913.6	910.8	909.1
35°	772.8	774.5	777.9	782.5	788.1	794.3	804.4	806.8	808.5	808.5	806.2
37.5°	648.9	648.4	651.7	655.7	659.1	663.6	671.0	672.7	675.5	674.4	672.0
40°	528.4	525.5	524.4	525.5	529.6	527.9	529.6	528.4	528.4	524.4	524.4
42.5°	416.9	413.5	411.3	409.6	409.6	405.6	402.8	400.0	398.3	395.5	394.9
45°	321.4	317.4	314.6	313.4	311.8	306.6	303.2	299.9	295.8	294.7	295.3
47.5°	249.5	245.5	244.4	241.6	238.8	236.0	233.6	229.7	229.1	226.9	229.1
50°	192.4	191.2	189.6	188.4	186.6	184.4	182.2	179.9	178.8	178.8	179.4
52.5°	149.3	149.9	148.2	146.5	145.4	145.4	142.6	142.0	142.0	139.8	142.0
55°	114.3	113.7	114.3	113.1	113.1	111.4	111.4	109.7	109.7	108.1	109.2
57.5°	83.7	84.9	83.7	84.3	85.4	83.7	83.2	81.5	82.6	81.5	82.1
60°	65.0	65.0	65.0	64.5	64.5	63.9	63.9	63.3	63.3	62.2	63.3
62.5°	48.1	48.7	48.7	48.7	49.2	48.7	48.1	48.7	48.1	48.1	48.7
65°	31.7	32.3	32.3	31.7	32.8	31.7	32.3	32.8	33.4	32.8	33.4
67.5°	21.5	21.5	22.1	22.6	22.1	22.6	23.2	22.6	23.2	24.3	23.2
70°	15.8	16.4	16.4	15.8	15.2	15.8	15.2	16.9	16.9	16.9	18.0
72.5°	10.2	10.2	9.6	9.6	9.6	9.6	9.6	11.3	10.2	9.6	10.8
75°	5.6	6.2	6.2	4.5	5.0	6.2	4.5	5.0	6.8	5.6	6.8
77.5°	3.4	3.4	3.4	3.4	3.4	3.4	4.5	3.9	3.9	3.9	4.5
80°	2.8	2.2	2.2	1.7	2.2	2.2	2.2	3.4	2.8	2.8	3.4
82.5°	1.1	1.1	0.6	0.0	1.1	1.1	1.1	1.1	1.1	1.1	2.2
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: P245955

CATALOG NUMBER: LD8B30D010 ER8B30930 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7
2.5°	1157.5	1157.5	1157.0	1155.9	1153.5	1153.5	1152.9	1151.3	1150.1	1149.6	1149.6
5°	1151.8	1149.6	1147.3	1141.1	1141.1	1139.9	1136.6	1134.3	1133.2	1130.3	1129.2
7.5°	1146.8	1139.9	1136.0	1132.1	1126.9	1124.7	1120.8	1119.0	1115.1	1112.3	1110.6
10°	1134.3	1129.7	1124.7	1118.4	1114.5	1110.0	1105.4	1102.1	1097.0	1094.1	1091.9
12.5°	1125.8	1119.0	1114.5	1107.7	1100.9	1097.0	1090.7	1086.8	1081.7	1076.0	1072.7
15°	1117.9	1110.6	1104.3	1097.0	1089.6	1085.1	1077.7	1073.2	1065.8	1060.2	1056.2
17.5°	1106.1	1099.8	1093.0	1084.0	1077.2	1071.6	1063.6	1058.0	1051.2	1043.8	1039.8
20°	1093.5	1086.2	1079.4	1070.3	1063.6	1056.8	1048.9	1042.6	1034.7	1028.0	1023.5
22.5°	1077.2	1068.6	1063.0	1054.0	1046.0	1038.7	1031.3	1024.0	1016.6	1011.0	1005.9
25°	1053.4	1044.3	1038.2	1030.8	1023.5	1017.8	1008.7	1004.2	996.8	991.7	986.6
27.5°	1019.4	1012.7	1007.0	999.7	993.4	988.9	982.1	977.6	971.3	966.9	962.9
30°	969.7	964.1	958.9	951.6	947.0	943.1	936.8	932.9	928.4	923.3	922.1
32.5°	903.0	898.4	893.3	888.2	884.8	882.6	877.4	875.2	870.7	867.9	865.1
35°	802.2	798.3	795.5	793.2	792.0	792.5	791.5	793.8	794.9	794.3	794.9
37.5°	670.5	668.1	669.2	671.0	676.6	684.0	690.8	701.0	707.8	714.5	720.8
40°	523.3	525.0	529.6	539.8	554.4	570.8	586.2	605.3	624.6	638.2	650.6
42.5°	394.9	400.0	411.3	426.0	448.1	472.4	496.2	524.4	547.6	570.3	586.2
45°	297.1	303.8	318.5	338.9	363.2	391.5	421.5	453.1	480.9	504.1	521.6
47.5°	231.4	237.7	252.3	273.9	303.8	333.3	364.3	397.2	426.0	448.6	463.9
50°	182.7	190.7	203.7	226.3	256.3	287.4	319.6	351.9	379.0	398.3	411.9
52.5°	143.7	151.1	163.4	187.3	217.8	249.0	278.9	310.6	334.4	353.0	362.1
55°	111.4	118.3	131.3	151.1	179.9	210.4	240.5	267.6	289.7	303.2	311.8
57.5°	84.9	89.9	99.0	118.8	144.8	173.1	198.6	225.8	242.7	252.3	257.9
60°	64.5	68.5	78.1	93.4	117.1	141.5	162.9	183.3	196.8	204.8	210.4
62.5°	48.7	53.1	60.0	73.0	91.0	110.9	129.0	144.3	155.6	160.6	164.7
65°	33.4	36.8	41.8	52.0	67.4	81.5	95.6	106.9	114.3	119.9	122.2
67.5°	24.9	27.1	30.0	37.9	48.7	60.0	69.6	77.5	85.4	87.7	91.7
70°	18.7	20.4	23.2	28.8	35.1	42.9	50.9	55.5	61.1	65.0	66.3
72.5°	11.9	12.4	15.2	18.7	23.8	28.8	34.0	37.9	41.4	43.6	44.7
75°	6.8	10.2	10.2	13.6	16.9	19.3	22.6	25.4	27.1	28.8	28.8
77.5°	4.5	6.2	6.8	8.5	10.2	13.0	15.8	17.5	19.3	19.8	19.8
80°	3.9	4.5	4.5	6.2	7.4	9.6	11.3	11.9	13.0	13.6	14.7
82.5°	1.7	2.2	2.8	4.5	5.0	5.0	6.8	7.4	8.5	9.1	9.1
85°	0.6	1.1	1.1	1.7	2.8	3.4	3.9	4.5	5.0	5.0	5.6
87.5°	0.6	0.6	0.0	0.6	1.1	1.1	2.2	2.2	2.2	3.4	3.4
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: P245955

CATALOG NUMBER: LD8B30D010 ER8B30930 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7	1158.7
2.5°	1148.5	1149.0	1146.8	1146.2	1145.1	1145.7	1146.8
5°	1127.5	1128.1	1125.8	1123.6	1123.6	1123.0	1123.6
7.5°	1107.7	1108.3	1104.9	1103.7	1101.5	1102.1	1102.1
10°	1087.9	1087.9	1082.9	1082.2	1080.5	1080.0	1080.0
12.5°	1068.6	1067.0	1063.0	1060.8	1061.9	1058.6	1058.6
15°	1051.7	1048.9	1043.8	1042.1	1039.3	1038.2	1038.2
17.5°	1034.1	1031.9	1027.4	1024.0	1020.6	1020.0	1020.6
20°	1017.2	1015.0	1009.2	1007.0	1004.2	1004.2	1003.1
22.5°	1000.3	997.9	992.9	991.2	987.3	987.3	987.8
25°	982.7	981.0	975.4	974.3	973.7	971.3	972.5
27.5°	958.9	957.8	953.3	951.6	949.3	948.8	949.8
30°	915.4	913.6	910.3	908.6	904.6	905.2	906.3
32.5°	861.0	858.8	854.3	852.5	849.2	848.0	848.6
35°	793.2	791.5	787.5	787.5	784.1	783.0	784.1
37.5°	724.2	725.8	724.2	725.8	724.2	723.6	724.2
40°	659.1	665.3	666.4	672.7	670.5	673.8	673.3
42.5°	596.8	607.0	611.1	616.1	615.0	617.2	618.9
45°	534.0	542.6	546.5	550.0	550.5	551.6	552.2
47.5°	474.6	481.5	482.0	486.0	485.4	485.4	487.1
50°	419.3	423.7	424.9	427.7	425.4	424.3	424.9
52.5°	367.7	372.3	371.2	372.3	369.5	368.2	368.8
55°	315.1	317.4	317.4	317.4	314.0	314.0	314.0
57.5°	261.4	262.0	260.9	261.4	260.9	257.4	256.8
60°	212.2	212.2	211.5	212.2	210.4	208.7	208.7
62.5°	165.8	166.9	169.2	166.9	165.8	166.9	165.2
65°	123.9	126.1	125.6	126.7	126.1	126.1	125.0
67.5°	93.4	93.9	94.5	95.1	95.1	95.1	95.1
70°	68.5	70.2	69.6	69.6	69.6	69.6	73.0
72.5°	45.8	48.1	47.5	48.7	48.7	49.8	48.7
75°	31.2	33.4	32.3	34.0	33.4	32.3	35.1
77.5°	21.0	22.1	22.6	23.2	22.6	22.1	22.6
80°	14.7	15.8	15.2	15.8	15.8	15.8	16.4
82.5°	9.1	10.8	10.2	10.8	10.2	10.8	10.8
85°	6.2	6.8	5.6	6.8	6.2	6.2	7.4
87.5°	3.9	3.4	3.4	3.9	3.4	3.9	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)