

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: P245943

Luminaire Tested: **LD8B30D010 ER8B30950 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245943
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 ER8B30950 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 5000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2180.0 lumens
Efficiency: N/A
Efficacy: 80.4 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

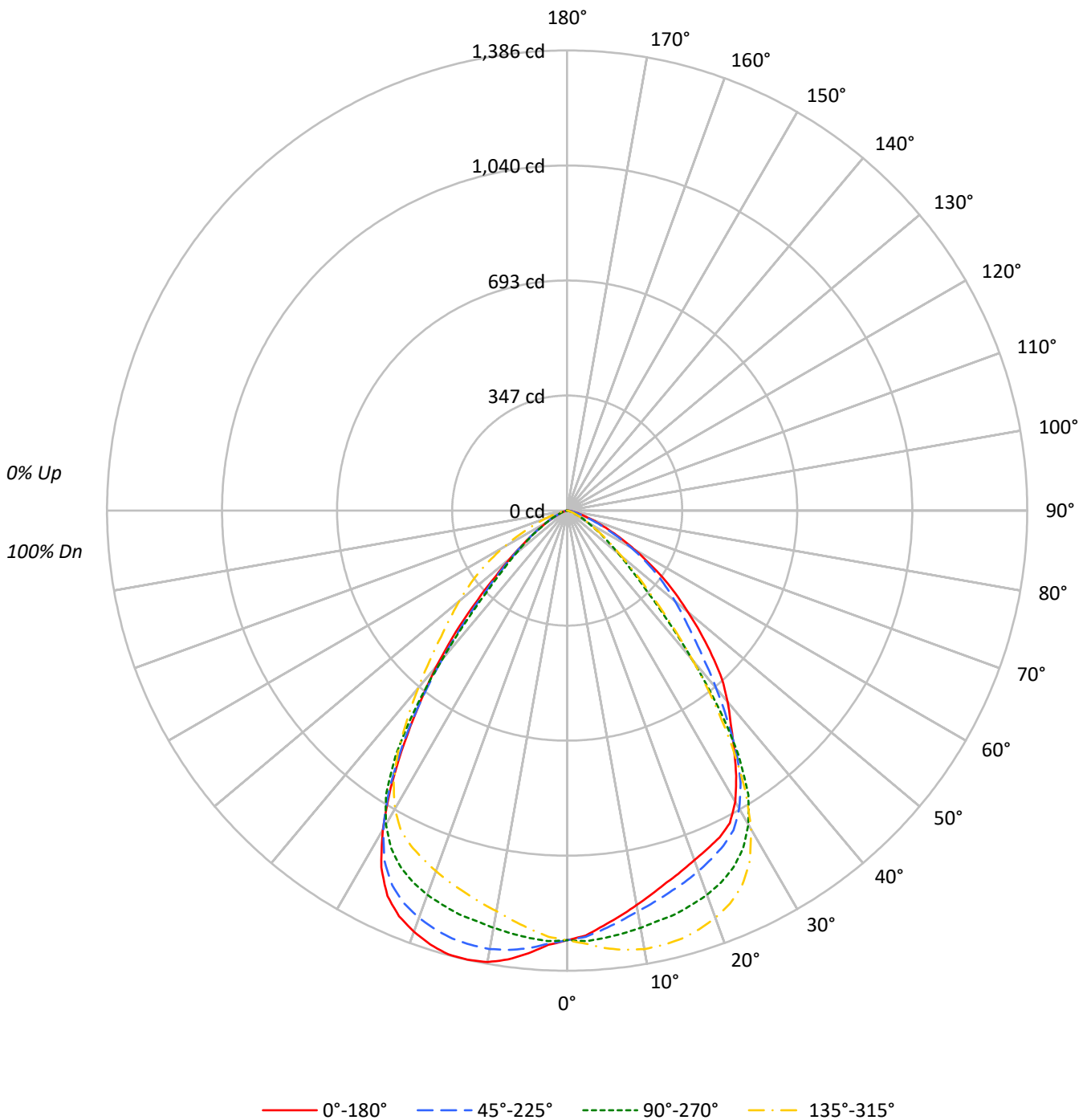
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	39908	39908	39908	39908
5°	38847	40002	41429	40002
10°	37775	39951	43236	39951
15°	37019	40186	44180	40186
20°	36766	40415	44294	40415
25°	36960	40336	43581	40336
30°	36045	38858	39559	38858
35°	32973	33899	32163	33899
40°	30271	23581	24623	23581
45°	26898	14387	16646	14387
50°	22768	9609	10669	9609
55°	18854	6559	6930	6559
60°	14382	4366	4403	4366
65°	10193	2722	2488	2722
70°	7348	1821	1650	1821
75°	4670	905	751	905
80°	3250	675	550	675
85°	2901	0	212	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.2	5.7
10°-20°	356.7	16.4
20°-30°	540.1	24.8
30°-40°	541.4	24.8
40°-50°	339.9	15.6
50°-60°	181.2	8.3
60°-70°	74.5	3.4
70°-80°	19.7	0.9
80°-90°	3.3	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°	1020.0	46.8
0°-40°	1561.4	71.6
0°-60°	2082.5	95.5
0°-90°	2180.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2180.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1294	1294	1294	1294	1294	
5°	1255	1292	1338	1292	1255	118
15°	1160	1259	1384	1259	1160	328
25°	1086	1186	1281	1186	1086	498
35°	876	900	854	900	876	549
45°	617	330	382	330	617	474
55°	351	122	129	122	351	313
65°	140	37	34	37	140	145
75°	39	8	6	8	39	44
85°	8	0	1	0	8	9
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°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2
2.5°	1280.9	1279.7	1279.0	1280.3	1280.9	1283.5	1282.8	1284.1	1284.1	1284.7	1286.0
5°	1255.0	1254.4	1255.0	1255.0	1257.5	1260.1	1259.4	1261.3	1262.6	1265.8	1267.0
7.5°	1231.0	1231.0	1230.4	1232.9	1234.2	1238.0	1237.3	1240.5	1242.4	1245.5	1250.0
10°	1206.4	1206.4	1207.0	1208.9	1209.5	1215.2	1215.2	1219.6	1222.1	1225.3	1231.0
12.5°	1182.4	1182.4	1186.1	1184.9	1187.4	1191.8	1193.7	1198.1	1201.9	1208.3	1214.0
15°	1159.6	1159.6	1160.9	1164.0	1165.9	1171.6	1174.8	1179.8	1184.2	1190.6	1198.8
17.5°	1140.0	1139.4	1140.0	1143.8	1147.6	1152.6	1155.2	1161.5	1165.9	1174.1	1181.7
20°	1120.4	1121.7	1121.7	1124.8	1127.4	1133.7	1136.2	1143.2	1148.2	1155.8	1164.7
22.5°	1103.4	1102.7	1102.7	1107.2	1109.1	1114.7	1117.2	1123.6	1129.3	1135.6	1143.8
25°	1086.3	1085.0	1087.6	1088.2	1089.4	1095.8	1097.7	1102.1	1107.8	1113.5	1121.7
27.5°	1061.0	1059.8	1060.4	1062.9	1064.8	1069.9	1071.1	1075.5	1080.0	1085.0	1092.0
30°	1012.3	1011.1	1010.5	1014.9	1016.8	1020.6	1022.5	1030.1	1031.3	1037.0	1042.0
32.5°	947.9	947.3	948.5	952.3	954.2	959.3	961.8	966.2	969.4	972.5	977.6
35°	875.9	874.6	875.9	879.7	879.7	884.1	886.0	887.9	887.2	887.9	886.6
37.5°	808.9	808.2	808.9	810.8	808.9	810.8	808.9	805.1	798.1	790.5	783.0
40°	752.0	752.6	748.9	751.4	744.4	743.2	736.2	726.7	712.8	697.7	676.2
42.5°	691.3	689.4	686.9	688.2	682.5	678.1	666.7	654.7	637.0	611.7	585.8
45°	616.8	616.1	614.9	614.2	610.4	606.0	596.5	582.6	563.1	537.2	506.2
47.5°	544.1	542.2	542.2	542.8	538.4	537.8	530.2	518.2	501.1	475.8	443.6
50°	474.6	473.9	475.2	477.7	474.6	473.3	468.3	460.1	444.9	423.4	393.1
52.5°	412.0	411.4	412.7	415.8	414.5	415.8	410.8	404.4	394.3	373.5	346.9
55°	350.7	350.7	350.7	354.5	354.5	354.5	352.0	348.2	338.7	323.5	298.9
57.5°	286.9	287.5	291.3	291.9	291.3	292.6	291.9	288.1	281.9	271.1	252.1
60°	233.2	233.2	235.1	237.0	236.3	237.0	237.0	235.1	228.8	219.9	204.8
62.5°	184.5	186.4	185.1	186.4	188.9	186.4	185.1	183.9	179.5	173.8	161.1
65°	139.7	140.9	140.9	141.6	140.3	140.9	138.4	136.5	134.0	127.7	119.4
67.5°	106.2	106.2	106.2	106.2	105.5	104.9	104.3	102.4	98.0	95.4	86.6
70°	81.5	77.7	77.7	77.7	77.7	78.4	76.5	73.9	72.7	68.3	61.9
72.5°	54.3	55.6	54.3	54.3	53.1	53.7	51.2	49.9	48.7	46.1	42.3
75°	39.2	36.0	37.3	37.9	36.0	37.3	34.8	32.2	32.2	30.3	28.4
77.5°	25.3	24.7	25.3	25.9	25.3	24.7	23.4	22.1	22.1	21.5	19.6
80°	18.3	17.7	17.7	17.7	17.1	17.7	16.4	16.4	15.2	14.5	13.3
82.5°	12.0	12.0	11.4	12.0	11.4	12.0	10.1	10.1	10.1	9.5	8.2
85°	8.2	6.9	6.9	7.6	6.3	7.6	6.9	6.3	5.7	5.7	5.0
87.5°	3.8	4.4	3.8	4.4	3.8	3.8	4.4	3.8	3.8	2.5	2.5
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°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2
2.5°	1287.9	1288.5	1288.5	1291.0	1292.3	1292.9	1292.9	1298.0	1296.1	1297.4	1298.6
5°	1269.6	1273.3	1274.6	1274.6	1281.6	1284.1	1286.6	1292.3	1292.9	1296.7	1301.1
7.5°	1251.9	1256.3	1258.8	1264.5	1268.9	1273.3	1280.9	1284.7	1288.5	1293.6	1299.2
10°	1234.8	1239.9	1244.9	1249.3	1256.3	1262.0	1267.0	1275.9	1280.3	1287.3	1294.8
12.5°	1218.4	1225.3	1229.7	1237.3	1244.9	1250.0	1257.5	1265.8	1272.7	1279.7	1288.5
15°	1203.8	1212.1	1217.1	1225.3	1233.5	1240.5	1248.7	1258.8	1263.9	1272.1	1280.3
17.5°	1188.0	1196.9	1203.2	1210.8	1220.9	1228.5	1235.4	1245.5	1251.9	1260.7	1270.2
20°	1171.6	1180.5	1188.0	1195.6	1205.7	1213.3	1221.5	1231.6	1238.6	1247.4	1255.0
22.5°	1152.0	1160.2	1168.4	1177.3	1187.4	1193.7	1203.2	1212.1	1219.6	1227.8	1235.4
25°	1126.7	1136.9	1143.2	1151.4	1159.6	1166.5	1176.7	1185.5	1191.8	1199.4	1206.4
27.5°	1097.0	1104.6	1109.7	1116.6	1124.8	1131.2	1138.7	1147.6	1153.9	1160.9	1165.9
30°	1046.5	1053.4	1057.9	1062.9	1071.1	1076.8	1083.1	1091.3	1095.8	1100.8	1105.3
32.5°	980.1	985.8	988.3	992.1	997.8	1003.5	1008.6	1015.5	1017.4	1020.6	1020.6
35°	884.1	885.3	884.7	886.0	888.5	891.7	896.1	900.5	903.0	903.0	901.1
37.5°	771.6	764.0	755.8	749.5	747.6	746.3	748.9	750.7	753.3	754.5	751.4
40°	654.7	637.6	619.3	602.9	591.5	586.4	584.5	585.8	585.8	590.2	590.2
42.5°	554.2	527.7	500.5	475.8	459.4	446.8	441.1	441.1	441.7	444.9	446.8
45°	470.8	437.3	405.7	378.5	355.8	339.3	331.8	329.9	329.2	330.5	334.9
47.5°	407.0	372.2	339.3	305.9	281.9	265.4	258.5	255.9	253.4	255.9	256.6
50°	357.1	321.0	286.3	252.8	227.5	213.0	204.1	200.3	199.7	199.7	201.0
52.5°	311.5	278.1	243.3	209.2	182.6	168.7	160.5	158.6	156.1	158.6	158.6
55°	268.6	235.1	201.0	168.7	146.6	132.1	124.5	122.0	120.7	122.6	122.6
57.5°	221.8	193.4	161.8	132.7	110.6	100.5	94.8	91.6	91.0	92.3	91.0
60°	182.0	158.0	130.8	104.3	87.2	76.5	72.1	70.8	69.5	70.8	70.8
62.5°	144.1	123.9	101.7	81.5	67.0	59.4	54.3	54.3	53.7	53.7	54.3
65°	106.8	91.0	75.2	58.1	46.8	41.1	37.3	37.3	36.6	37.3	36.6
67.5°	77.7	67.0	54.3	42.3	33.5	30.3	27.8	25.9	27.2	25.9	25.3
70°	56.9	48.0	39.2	32.2	25.9	22.8	20.9	20.2	19.0	19.0	19.0
72.5°	37.9	32.2	26.5	20.9	17.1	13.9	13.3	12.0	10.7	11.4	12.6
75°	25.3	21.5	19.0	15.2	11.4	11.4	7.6	7.6	6.3	7.6	5.7
77.5°	17.7	14.5	11.4	9.5	7.6	6.9	5.0	5.0	4.4	4.4	4.4
80°	12.6	10.7	8.2	6.9	5.0	5.0	4.4	3.8	3.1	3.1	3.8
82.5°	7.6	5.7	5.7	5.0	3.1	2.5	1.9	2.5	1.3	1.3	1.3
85°	4.4	3.8	3.1	1.9	1.3	1.3	0.6	0.0	0.6	0.6	0.0
87.5°	2.5	1.3	1.3	0.6	0.0	0.6	0.6	0.0	0.0	0.0	1.3
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°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2
2.5°	1301.8	1301.1	1302.4	1302.4	1306.2	1305.6	1307.5	1307.5	1306.2	1306.8	1309.4
5°	1306.2	1308.1	1311.9	1315.1	1320.7	1323.3	1326.4	1329.6	1330.2	1332.1	1334.0
7.5°	1306.2	1312.5	1317.0	1322.6	1330.2	1334.6	1341.6	1347.3	1349.8	1353.0	1356.8
10°	1303.7	1310.0	1318.2	1324.5	1334.0	1341.0	1347.9	1356.8	1360.6	1365.6	1370.7
12.5°	1298.6	1305.6	1314.4	1322.6	1333.4	1339.7	1348.5	1356.8	1362.4	1369.4	1375.1
15°	1291.0	1299.2	1307.5	1315.7	1327.0	1334.6	1342.9	1352.3	1358.0	1365.6	1370.7
17.5°	1279.0	1287.9	1295.5	1303.0	1313.8	1322.6	1330.2	1339.1	1344.8	1351.1	1358.0
20°	1264.5	1272.7	1280.9	1287.3	1298.0	1305.6	1313.8	1322.0	1326.4	1327.7	1338.4
22.5°	1246.2	1251.9	1258.2	1268.3	1274.6	1281.6	1289.2	1296.7	1301.1	1308.1	1311.9
25°	1215.8	1221.5	1228.5	1232.9	1240.5	1246.2	1253.8	1262.0	1264.5	1269.6	1273.3
27.5°	1173.5	1176.7	1179.8	1183.6	1188.0	1191.2	1195.6	1199.4	1201.9	1204.5	1207.0
30°	1106.5	1106.5	1106.5	1104.0	1105.9	1107.8	1108.4	1107.8	1107.8	1107.2	1107.2
32.5°	1018.0	1013.0	1007.3	1002.3	1000.4	997.8	996.6	994.7	991.5	989.6	990.2
35°	898.6	887.2	880.3	874.0	868.9	865.1	863.2	861.3	860.7	858.2	855.6
37.5°	749.5	741.3	736.2	732.4	728.0	724.2	724.8	725.5	727.3	726.1	726.7
40°	591.5	589.6	591.5	587.1	585.8	587.1	590.2	594.7	597.2	599.7	604.1
42.5°	449.9	453.1	457.5	457.5	459.4	462.0	465.7	472.7	476.5	480.9	486.0
45°	338.7	342.5	348.2	350.1	351.4	354.5	359.0	364.6	367.1	370.9	375.4
47.5°	261.0	263.5	266.7	269.8	273.0	274.3	278.7	278.7	281.9	284.4	285.6
50°	203.5	206.0	208.5	210.4	211.7	213.6	214.8	216.7	217.4	218.6	219.3
52.5°	159.2	162.4	162.4	163.7	165.6	167.5	166.8	167.5	168.1	168.1	170.0
55°	124.5	124.5	126.4	126.4	127.7	127.0	127.7	127.7	127.7	127.7	128.3
57.5°	92.9	93.5	95.4	94.2	93.5	94.8	93.5	94.8	94.2	95.4	93.5
60°	71.4	71.4	72.1	72.1	72.7	72.7	72.7	72.1	72.1	71.4	71.4
62.5°	53.7	54.3	55.0	54.3	54.3	54.3	53.7	53.7	53.1	52.4	52.4
65°	36.0	35.4	36.6	35.4	36.0	36.0	35.4	36.0	34.1	34.8	34.1
67.5°	25.9	25.3	24.7	25.3	24.7	24.0	24.0	24.7	25.3	23.4	23.4
70°	17.1	17.7	17.1	17.7	18.3	18.3	17.7	17.1	17.7	16.4	17.1
72.5°	10.7	10.7	10.7	10.7	10.7	11.4	11.4	11.4	10.1	10.1	9.5
75°	5.0	6.9	5.7	5.0	6.9	6.9	6.3	6.3	5.7	5.7	5.7
77.5°	5.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.1	3.8	3.1
80°	2.5	2.5	2.5	1.9	2.5	2.5	3.1	2.5	2.5	1.9	3.1
82.5°	1.3	1.3	1.3	0.0	0.6	1.3	1.3	0.6	1.3	1.3	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



TEST NUMBER: P245943

CATALOG NUMBER: LD8B30D010 ER8B30950 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2
2.5°	1308.7	1308.1	1308.7	1309.4	1308.7	1308.1	1308.7	1309.4	1306.8	1306.2	1307.5
5°	1336.5	1336.5	1337.8	1338.4	1337.8	1336.5	1336.5	1334.0	1332.1	1330.2	1329.6
7.5°	1360.6	1361.8	1363.1	1363.7	1363.1	1361.8	1360.6	1356.8	1353.0	1349.8	1347.3
10°	1375.1	1377.0	1379.5	1380.8	1379.5	1377.0	1375.1	1370.7	1365.6	1360.6	1356.8
12.5°	1381.4	1383.3	1386.5	1385.8	1386.5	1383.3	1381.4	1375.1	1369.4	1362.4	1356.8
15°	1377.0	1379.5	1382.7	1383.9	1382.7	1379.5	1377.0	1370.7	1365.6	1358.0	1352.3
17.5°	1363.1	1366.9	1368.8	1370.7	1368.8	1366.9	1363.1	1358.0	1351.1	1344.8	1339.1
20°	1344.1	1346.7	1349.2	1349.8	1349.2	1346.7	1344.1	1338.4	1327.7	1326.4	1322.0
22.5°	1317.0	1318.9	1324.5	1322.6	1324.5	1318.9	1317.0	1311.9	1308.1	1301.1	1296.7
25°	1277.8	1279.7	1280.3	1280.9	1280.3	1279.7	1277.8	1273.3	1269.6	1264.5	1262.0
27.5°	1210.2	1210.2	1211.4	1212.1	1211.4	1210.2	1210.2	1207.0	1204.5	1201.9	1199.4
30°	1107.8	1107.8	1107.8	1111.0	1107.8	1107.8	1107.8	1107.2	1107.2	1107.8	1107.8
32.5°	989.6	988.3	987.1	988.3	987.1	988.3	989.6	990.2	989.6	991.5	994.7
35°	855.6	855.0	856.9	854.4	856.9	855.0	855.6	855.6	858.2	860.7	861.3
37.5°	727.3	726.1	728.6	726.1	728.6	726.1	727.3	726.7	726.1	727.3	725.5
40°	605.4	606.7	606.7	611.7	606.7	606.7	605.4	604.1	599.7	597.2	594.7
42.5°	488.5	492.3	491.0	494.8	491.0	492.3	488.5	486.0	480.9	476.5	472.7
45°	377.9	380.4	380.4	381.7	380.4	380.4	377.9	375.4	370.9	367.1	364.6
47.5°	290.0	290.0	290.0	290.7	290.0	290.0	290.0	285.6	284.4	281.9	278.7
50°	220.5	221.2	221.8	222.4	221.8	221.2	220.5	219.3	218.6	217.4	216.7
52.5°	169.4	170.0	168.7	170.0	168.7	170.0	169.4	170.0	168.1	168.1	167.5
55°	128.3	127.7	128.3	128.9	128.3	127.7	128.3	128.3	127.7	127.7	127.7
57.5°	94.2	92.9	92.9	92.9	92.9	92.9	94.2	93.5	95.4	94.2	94.8
60°	70.2	70.8	70.8	71.4	70.8	70.8	70.2	71.4	71.4	72.1	72.1
62.5°	51.8	53.7	52.4	53.7	52.4	53.7	51.8	52.4	52.4	53.1	53.7
65°	33.5	33.5	33.5	34.1	33.5	33.5	33.5	34.1	34.8	34.1	36.0
67.5°	22.8	23.4	24.7	24.0	24.7	23.4	22.8	23.4	23.4	25.3	24.7
70°	18.3	16.4	16.4	18.3	16.4	16.4	18.3	17.1	16.4	17.7	17.1
72.5°	10.7	9.5	10.7	10.7	10.7	9.5	10.7	9.5	10.1	10.1	11.4
75°	5.7	5.0	4.4	6.3	4.4	5.0	5.7	5.7	5.7	5.7	6.3
77.5°	3.8	3.1	4.4	4.4	4.4	3.1	3.8	3.1	3.8	3.1	3.8
80°	1.9	2.5	1.9	3.1	1.9	2.5	1.9	3.1	1.9	2.5	2.5
82.5°	0.6	1.3	1.3	1.3	1.3	1.3	0.6	0.6	1.3	1.3	0.6
85°	0.0	1.3	0.6	0.6	0.6	1.3	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: P245943

CATALOG NUMBER: LD8B30D010 ER8B30950 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2
2.5°	1307.5	1305.6	1306.2	1302.4	1302.4	1301.1	1301.8	1298.6	1297.4	1296.1	1298.0
5°	1326.4	1323.3	1320.7	1315.1	1311.9	1308.1	1306.2	1301.1	1296.7	1292.9	1292.3
7.5°	1341.6	1334.6	1330.2	1322.6	1317.0	1312.5	1306.2	1299.2	1293.6	1288.5	1284.7
10°	1347.9	1341.0	1334.0	1324.5	1318.2	1310.0	1303.7	1294.8	1287.3	1280.3	1275.9
12.5°	1348.5	1339.7	1333.4	1322.6	1314.4	1305.6	1298.6	1288.5	1279.7	1272.7	1265.8
15°	1342.9	1334.6	1327.0	1315.7	1307.5	1299.2	1291.0	1280.3	1272.1	1263.9	1258.8
17.5°	1330.2	1322.6	1313.8	1303.0	1295.5	1287.9	1279.0	1270.2	1260.7	1251.9	1245.5
20°	1313.8	1305.6	1298.0	1287.3	1280.9	1272.7	1264.5	1255.0	1247.4	1238.6	1231.6
22.5°	1289.2	1281.6	1274.6	1268.3	1258.2	1251.9	1246.2	1235.4	1227.8	1219.6	1212.1
25°	1253.8	1246.2	1240.5	1232.9	1228.5	1221.5	1215.8	1206.4	1199.4	1191.8	1185.5
27.5°	1195.6	1191.2	1188.0	1183.6	1179.8	1176.7	1173.5	1165.9	1160.9	1153.9	1147.6
30°	1108.4	1107.8	1105.9	1104.0	1106.5	1106.5	1106.5	1105.3	1100.8	1095.8	1091.3
32.5°	996.6	997.8	1000.4	1002.3	1007.3	1013.0	1018.0	1020.6	1020.6	1017.4	1015.5
35°	863.2	865.1	868.9	874.0	880.3	887.2	898.6	901.1	903.0	903.0	900.5
37.5°	724.8	724.2	728.0	732.4	736.2	741.3	749.5	751.4	754.5	753.3	750.7
40°	590.2	587.1	585.8	587.1	591.5	589.6	591.5	590.2	590.2	585.8	585.8
42.5°	465.7	462.0	459.4	457.5	457.5	453.1	449.9	446.8	444.9	441.7	441.1
45°	359.0	354.5	351.4	350.1	348.2	342.5	338.7	334.9	330.5	329.2	329.9
47.5°	278.7	274.3	273.0	269.8	266.7	263.5	261.0	256.6	255.9	253.4	255.9
50°	214.8	213.6	211.7	210.4	208.5	206.0	203.5	201.0	199.7	199.7	200.3
52.5°	166.8	167.5	165.6	163.7	162.4	162.4	159.2	158.6	158.6	156.1	158.6
55°	127.7	127.0	127.7	126.4	126.4	124.5	124.5	122.6	122.6	120.7	122.0
57.5°	93.5	94.8	93.5	94.2	95.4	93.5	92.9	91.0	92.3	91.0	91.6
60°	72.7	72.7	72.7	72.1	72.1	71.4	71.4	70.8	70.8	69.5	70.8
62.5°	53.7	54.3	54.3	54.3	55.0	54.3	53.7	54.3	53.7	53.7	54.3
65°	35.4	36.0	36.0	35.4	36.6	35.4	36.0	36.6	37.3	36.6	37.3
67.5°	24.0	24.0	24.7	25.3	24.7	25.3	25.9	25.3	25.9	27.2	25.9
70°	17.7	18.3	18.3	17.7	17.1	17.7	17.1	19.0	19.0	19.0	20.2
72.5°	11.4	11.4	10.7	10.7	10.7	10.7	10.7	12.6	11.4	10.7	12.0
75°	6.3	6.9	6.9	5.0	5.7	6.9	5.0	5.7	7.6	6.3	7.6
77.5°	3.8	3.8	3.8	3.8	3.8	3.8	5.0	4.4	4.4	4.4	5.0
80°	3.1	2.5	2.5	1.9	2.5	2.5	2.5	3.8	3.1	3.1	3.8
82.5°	1.3	1.3	0.6	0.0	1.3	1.3	1.3	1.3	1.3	1.3	2.5
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	1.3	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: P245943

CATALOG NUMBER: LD8B30D010 ER8B30950 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2
2.5°	1292.9	1292.9	1292.3	1291.0	1288.5	1288.5	1287.9	1286.0	1284.7	1284.1	1284.1
5°	1286.6	1284.1	1281.6	1274.6	1274.6	1273.3	1269.6	1267.0	1265.8	1262.6	1261.3
7.5°	1280.9	1273.3	1268.9	1264.5	1258.8	1256.3	1251.9	1250.0	1245.5	1242.4	1240.5
10°	1267.0	1262.0	1256.3	1249.3	1244.9	1239.9	1234.8	1231.0	1225.3	1222.1	1219.6
12.5°	1257.5	1250.0	1244.9	1237.3	1229.7	1225.3	1218.4	1214.0	1208.3	1201.9	1198.1
15°	1248.7	1240.5	1233.5	1225.3	1217.1	1212.1	1203.8	1198.8	1190.6	1184.2	1179.8
17.5°	1235.4	1228.5	1220.9	1210.8	1203.2	1196.9	1188.0	1181.7	1174.1	1165.9	1161.5
20°	1221.5	1213.3	1205.7	1195.6	1188.0	1180.5	1171.6	1164.7	1155.8	1148.2	1143.2
22.5°	1203.2	1193.7	1187.4	1177.3	1168.4	1160.2	1152.0	1143.8	1135.6	1129.3	1123.6
25°	1176.7	1166.5	1159.6	1151.4	1143.2	1136.9	1126.7	1121.7	1113.5	1107.8	1102.1
27.5°	1138.7	1131.2	1124.8	1116.6	1109.7	1104.6	1097.0	1092.0	1085.0	1080.0	1075.5
30°	1083.1	1076.8	1071.1	1062.9	1057.9	1053.4	1046.5	1042.0	1037.0	1031.3	1030.1
32.5°	1008.6	1003.5	997.8	992.1	988.3	985.8	980.1	977.6	972.5	969.4	966.2
35°	896.1	891.7	888.5	886.0	884.7	885.3	884.1	886.6	887.9	887.2	887.9
37.5°	748.9	746.3	747.6	749.5	755.8	764.0	771.6	783.0	790.5	798.1	805.1
40°	584.5	586.4	591.5	602.9	619.3	637.6	654.7	676.2	697.7	712.8	726.7
42.5°	441.1	446.8	459.4	475.8	500.5	527.7	554.2	585.8	611.7	637.0	654.7
45°	331.8	339.3	355.8	378.5	405.7	437.3	470.8	506.2	537.2	563.1	582.6
47.5°	258.5	265.4	281.9	305.9	339.3	372.2	407.0	443.6	475.8	501.1	518.2
50°	204.1	213.0	227.5	252.8	286.3	321.0	357.1	393.1	423.4	444.9	460.1
52.5°	160.5	168.7	182.6	209.2	243.3	278.1	311.5	346.9	373.5	394.3	404.4
55°	124.5	132.1	146.6	168.7	201.0	235.1	268.6	298.9	323.5	338.7	348.2
57.5°	94.8	100.5	110.6	132.7	161.8	193.4	221.8	252.1	271.1	281.9	288.1
60°	72.1	76.5	87.2	104.3	130.8	158.0	182.0	204.8	219.9	228.8	235.1
62.5°	54.3	59.4	67.0	81.5	101.7	123.9	144.1	161.1	173.8	179.5	183.9
65°	37.3	41.1	46.8	58.1	75.2	91.0	106.8	119.4	127.7	134.0	136.5
67.5°	27.8	30.3	33.5	42.3	54.3	67.0	77.7	86.6	95.4	98.0	102.4
70°	20.9	22.8	25.9	32.2	39.2	48.0	56.9	61.9	68.3	72.7	73.9
72.5°	13.3	13.9	17.1	20.9	26.5	32.2	37.9	42.3	46.1	48.7	49.9
75°	7.6	11.4	11.4	15.2	19.0	21.5	25.3	28.4	30.3	32.2	32.2
77.5°	5.0	6.9	7.6	9.5	11.4	14.5	17.7	19.6	21.5	22.1	22.1
80°	4.4	5.0	5.0	6.9	8.2	10.7	12.6	13.3	14.5	15.2	16.4
82.5°	1.9	2.5	3.1	5.0	5.7	5.7	7.6	8.2	9.5	10.1	10.1
85°	0.6	1.3	1.3	1.9	3.1	3.8	4.4	5.0	5.7	5.7	6.3
87.5°	0.6	0.6	0.0	0.6	1.3	1.3	2.5	2.5	2.5	3.8	3.8
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: P245943

CATALOG NUMBER: LD8B30D010 ER8B30950 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2
2.5°	1282.8	1283.5	1280.9	1280.3	1279.0	1279.7	1280.9
5°	1259.4	1260.1	1257.5	1255.0	1255.0	1254.4	1255.0
7.5°	1237.3	1238.0	1234.2	1232.9	1230.4	1231.0	1231.0
10°	1215.2	1215.2	1209.5	1208.9	1207.0	1206.4	1206.4
12.5°	1193.7	1191.8	1187.4	1184.9	1186.1	1182.4	1182.4
15°	1174.8	1171.6	1165.9	1164.0	1160.9	1159.6	1159.6
17.5°	1155.2	1152.6	1147.6	1143.8	1140.0	1139.4	1140.0
20°	1136.2	1133.7	1127.4	1124.8	1121.7	1121.7	1120.4
22.5°	1117.2	1114.7	1109.1	1107.2	1102.7	1102.7	1103.4
25°	1097.7	1095.8	1089.4	1088.2	1087.6	1085.0	1086.3
27.5°	1071.1	1069.9	1064.8	1062.9	1060.4	1059.8	1061.0
30°	1022.5	1020.6	1016.8	1014.9	1010.5	1011.1	1012.3
32.5°	961.8	959.3	954.2	952.3	948.5	947.3	947.9
35°	886.0	884.1	879.7	879.7	875.9	874.6	875.9
37.5°	808.9	810.8	808.9	810.8	808.9	808.2	808.9
40°	736.2	743.2	744.4	751.4	748.9	752.6	752.0
42.5°	666.7	678.1	682.5	688.2	686.9	689.4	691.3
45°	596.5	606.0	610.4	614.2	614.9	616.1	616.8
47.5°	530.2	537.8	538.4	542.8	542.2	542.2	544.1
50°	468.3	473.3	474.6	477.7	475.2	473.9	474.6
52.5°	410.8	415.8	414.5	415.8	412.7	411.4	412.0
55°	352.0	354.5	354.5	354.5	350.7	350.7	350.7
57.5°	291.9	292.6	291.3	291.9	291.3	287.5	286.9
60°	237.0	237.0	236.3	237.0	235.1	233.2	233.2
62.5°	185.1	186.4	188.9	186.4	185.1	186.4	184.5
65°	138.4	140.9	140.3	141.6	140.9	140.9	139.7
67.5°	104.3	104.9	105.5	106.2	106.2	106.2	106.2
70°	76.5	78.4	77.7	77.7	77.7	77.7	81.5
72.5°	51.2	53.7	53.1	54.3	54.3	55.6	54.3
75°	34.8	37.3	36.0	37.9	37.3	36.0	39.2
77.5°	23.4	24.7	25.3	25.9	25.3	24.7	25.3
80°	16.4	17.7	17.1	17.7	17.7	17.7	18.3
82.5°	10.1	12.0	11.4	12.0	11.4	12.0	12.0
85°	6.9	7.6	6.3	7.6	6.9	6.9	8.2
87.5°	4.4	3.8	3.8	4.4	3.8	4.4	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)