

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: P245913

Luminaire Tested: **LD8B30D010 ER8B30850 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245913
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 ER8B30850 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 5000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2394.0 lumens
Efficiency: N/A
Efficacy: 88.3 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

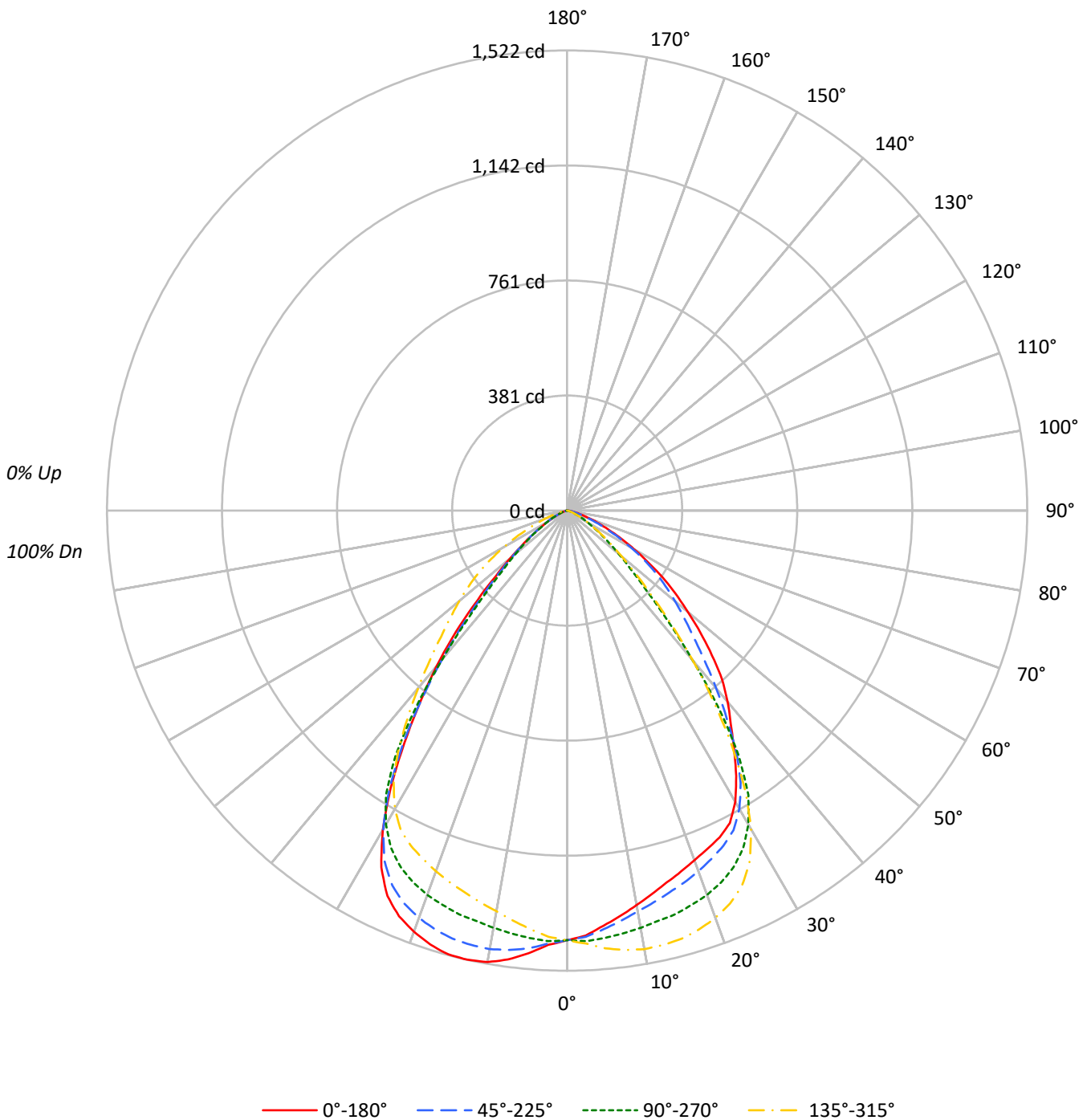
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P245913

CATALOG NUMBER: LD8B30D010 ER8B30850 8LBSW0B

Luminous Intensity Polar Plot





TEST NUMBER: P245913

CATALOG NUMBER: LD8B30D010 ER8B30850 8LBSW0B

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°	43825	43825	43825	43825
5°	42661	43930	45496	43930
10°	41482	43871	47478	43871
15°	40652	44132	48518	44132
20°	40376	44383	48642	44383
25°	40587	44296	47862	44296
30°	39584	42675	43440	42675
35°	36206	37226	35318	37226
40°	33242	25895	27043	25895
45°	29536	15800	18281	15800
50°	25003	10554	11720	10554
55°	20709	7199	7613	7199
60°	15794	4792	4835	4792
65°	11193	2984	2736	2984
70°	8069	2002	1812	2002
75°	5123	989	822	989
80°	3569	746	622	746
85°	3184	0	248	0



TEST NUMBER: P245913

CATALOG NUMBER: LD8B30D010 ER8B30850 8LBSW0B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.3	5.7
10°-20°	391.7	16.4
20°-30°	593.2	24.8
30°-40°	594.5	24.8
40°-50°	373.3	15.6
50°-60°	198.9	8.3
60°-70°	81.8	3.4
70°-80°	21.6	0.9
80°-90°	3.7	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°	1120.2	46.8
0°-40°	1714.7	71.6
0°-60°	2286.9	95.5
0°-90°	2394.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2394.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1421	1421	1421	1421	1421	
5°	1378	1419	1470	1419	1378	130
15°	1273	1382	1520	1382	1273	360
25°	1193	1302	1407	1302	1193	547
35°	962	989	938	989	962	603
45°	677	362	419	362	677	521
55°	385	134	142	134	385	343
65°	153	41	38	41	153	159
75°	43	8	7	8	43	49
85°	9	0	1	0	9	10
90°	0	0	0	0	0	



TEST NUMBER: P245913

CATALOG NUMBER: LD8B30D010 ER8B30850 8LBSW0B

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2
2.5°	1406.7	1405.3	1404.6	1406.0	1406.7	1409.4	1408.8	1410.1	1410.1	1410.8	1412.2
5°	1378.2	1377.5	1378.2	1378.2	1381.0	1383.8	1383.1	1385.2	1386.5	1390.0	1391.4
7.5°	1351.9	1351.9	1351.1	1353.9	1355.3	1359.5	1358.8	1362.3	1364.3	1367.8	1372.7
10°	1324.8	1324.8	1325.5	1327.6	1328.3	1334.5	1334.5	1339.3	1342.1	1345.6	1351.9
12.5°	1298.4	1298.4	1302.6	1301.2	1304.0	1308.8	1310.9	1315.8	1319.9	1326.9	1333.1
15°	1273.4	1273.4	1274.8	1278.3	1280.4	1286.6	1290.1	1295.6	1300.5	1307.4	1316.5
17.5°	1251.9	1251.2	1251.9	1256.1	1260.3	1265.8	1268.6	1275.5	1280.4	1289.4	1297.7
20°	1230.4	1231.8	1231.8	1235.3	1238.0	1245.0	1247.7	1255.4	1260.9	1269.3	1279.0
22.5°	1211.7	1211.0	1211.0	1215.8	1217.9	1224.1	1226.9	1233.9	1240.1	1247.1	1256.1
25°	1192.9	1191.5	1194.3	1195.0	1196.4	1203.3	1205.4	1210.3	1216.5	1222.8	1231.8
27.5°	1165.2	1163.8	1164.5	1167.2	1169.3	1174.9	1176.3	1181.1	1186.0	1191.5	1199.2
30°	1111.7	1110.3	1109.7	1114.5	1116.6	1120.7	1122.8	1131.2	1132.5	1138.8	1144.3
32.5°	1040.9	1040.3	1041.7	1045.8	1047.9	1053.4	1056.2	1061.1	1064.5	1068.0	1073.6
35°	961.8	960.4	961.8	966.0	966.0	970.9	973.0	975.0	974.3	975.0	973.6
37.5°	888.3	887.6	888.3	890.3	888.3	890.3	888.3	884.1	876.5	868.2	859.8
40°	825.8	826.5	822.4	825.1	817.5	816.1	808.5	798.1	782.8	766.1	742.6
42.5°	759.2	757.1	754.4	755.7	749.5	744.6	732.1	719.0	699.5	671.8	643.3
45°	677.3	676.6	675.2	674.5	670.4	665.5	655.1	639.8	618.3	589.9	555.9
47.5°	597.5	595.4	595.4	596.1	591.3	590.6	582.2	569.1	550.3	522.6	487.2
50°	521.2	520.5	521.9	524.6	521.2	519.8	514.2	505.2	488.6	465.0	431.6
52.5°	452.5	451.8	453.2	456.6	455.2	456.6	451.1	444.1	433.0	410.1	381.0
55°	385.2	385.2	385.2	389.3	389.3	389.3	386.5	382.4	372.0	355.3	328.3
57.5°	315.1	315.7	319.9	320.6	319.9	321.3	320.6	316.4	309.5	297.7	276.9
60°	256.1	256.1	258.2	260.2	259.5	260.2	260.2	258.2	251.2	241.5	224.9
62.5°	202.6	204.7	203.3	204.7	207.5	204.7	203.3	201.9	197.1	190.8	177.0
65°	153.4	154.8	154.8	155.4	154.0	154.8	152.0	149.9	147.1	140.2	131.2
67.5°	116.6	116.6	116.6	116.6	115.9	115.2	114.5	112.4	107.6	104.8	95.1
70°	89.5	85.3	85.3	85.3	85.3	86.1	84.0	81.2	79.8	75.0	68.0
72.5°	59.7	61.1	59.7	59.7	58.3	59.0	56.2	54.8	53.4	50.7	46.5
75°	43.0	39.6	40.9	41.6	39.6	40.9	38.2	35.4	35.4	33.3	31.2
77.5°	27.8	27.1	27.8	28.4	27.8	27.1	25.7	24.3	24.3	23.6	21.5
80°	20.1	19.4	19.4	19.4	18.7	19.4	18.1	18.1	16.7	16.0	14.6
82.5°	13.2	13.2	12.5	13.2	12.5	13.2	11.1	11.1	11.1	10.4	9.0
85°	9.0	7.6	7.6	8.3	6.9	8.3	7.6	6.9	6.3	6.3	5.5
87.5°	4.2	4.9	4.2	4.9	4.2	4.2	4.9	4.2	4.2	2.8	2.8
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: P245913

CATALOG NUMBER: LD8B30D010 ER8B30850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2
2.5°	1414.3	1415.0	1415.0	1417.8	1419.2	1419.8	1419.8	1425.4	1423.3	1424.7	1426.1
5°	1394.2	1398.3	1399.7	1399.7	1407.4	1410.1	1412.9	1419.2	1419.8	1424.0	1428.9
7.5°	1374.7	1379.6	1382.4	1388.6	1393.5	1398.3	1406.7	1410.8	1415.0	1420.6	1426.8
10°	1356.0	1361.6	1367.1	1372.0	1379.6	1385.9	1391.4	1401.1	1406.0	1413.6	1421.9
12.5°	1338.0	1345.6	1350.5	1358.8	1367.1	1372.7	1381.0	1390.0	1397.6	1405.3	1415.0
15°	1322.0	1331.0	1336.6	1345.6	1354.6	1362.3	1371.3	1382.4	1387.9	1397.0	1406.0
17.5°	1304.6	1314.4	1321.3	1329.6	1340.7	1349.1	1356.7	1367.8	1374.7	1384.5	1394.9
20°	1286.6	1296.3	1304.6	1313.0	1324.1	1332.4	1341.4	1352.5	1360.2	1369.9	1378.2
22.5°	1265.1	1274.1	1283.1	1292.8	1304.0	1310.9	1321.3	1331.0	1339.3	1348.4	1356.7
25°	1237.3	1248.5	1255.4	1264.4	1273.4	1281.0	1292.2	1301.9	1308.8	1317.2	1324.8
27.5°	1204.7	1213.1	1218.6	1226.2	1235.3	1242.2	1250.5	1260.3	1267.2	1274.8	1280.4
30°	1149.2	1156.9	1161.7	1167.2	1176.3	1182.5	1189.5	1198.5	1203.3	1208.9	1213.8
32.5°	1076.3	1082.6	1085.4	1089.5	1095.8	1102.0	1107.6	1115.2	1117.3	1120.7	1120.7
35°	970.9	972.2	971.6	973.0	975.7	979.2	984.0	988.9	991.7	991.7	989.6
37.5°	847.3	839.0	830.0	823.0	821.0	819.6	822.4	824.4	827.2	828.6	825.1
40°	719.0	700.2	680.1	662.0	649.6	644.0	641.9	643.3	643.3	648.2	648.2
42.5°	608.6	579.5	549.6	522.6	504.5	490.6	484.4	484.4	485.1	488.6	490.6
45°	517.0	480.2	445.5	415.7	390.7	372.6	364.3	362.3	361.6	362.9	367.8
47.5°	446.9	408.8	372.6	335.9	309.5	291.5	283.8	281.0	278.3	281.0	281.8
50°	392.1	352.5	314.4	277.6	249.8	233.9	224.1	220.0	219.3	219.3	220.7
52.5°	342.1	305.4	267.2	229.7	200.5	185.3	176.3	174.2	171.4	174.2	174.2
55°	294.9	258.2	220.7	185.3	161.0	145.0	136.7	133.9	132.5	134.6	134.6
57.5°	243.6	212.3	177.7	145.7	121.5	110.3	104.1	100.6	99.9	101.3	99.9
60°	199.9	173.5	143.6	114.5	95.8	84.0	79.1	77.7	76.3	77.7	77.7
62.5°	158.2	136.0	111.7	89.5	73.6	65.2	59.7	59.7	59.0	59.0	59.7
65°	117.3	99.9	82.6	63.8	51.4	45.1	40.9	40.9	40.2	40.9	40.2
67.5°	85.3	73.6	59.7	46.5	36.8	33.3	30.5	28.4	29.8	28.4	27.8
70°	62.5	52.7	43.0	35.4	28.4	25.0	22.9	22.2	20.8	20.8	20.8
72.5°	41.6	35.4	29.1	22.9	18.7	15.3	14.6	13.2	11.8	12.5	13.9
75°	27.8	23.6	20.8	16.7	12.5	12.5	8.3	8.3	6.9	8.3	6.3
77.5°	19.4	16.0	12.5	10.4	8.3	7.6	5.5	5.5	4.9	4.9	4.9
80°	13.9	11.8	9.0	7.6	5.5	5.5	4.9	4.2	3.5	3.5	4.2
82.5°	8.3	6.3	6.3	5.5	3.5	2.8	2.1	2.8	1.4	1.4	1.4
85°	4.9	4.2	3.5	2.1	1.4	1.4	0.7	0.0	0.7	0.7	0.0
87.5°	2.8	1.4	1.4	0.7	0.0	0.7	0.7	0.0	0.0	0.0	1.4
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: P245913

CATALOG NUMBER: LD8B30D010 ER8B30850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2
2.5°	1429.6	1428.9	1430.3	1430.3	1434.4	1433.7	1435.8	1435.8	1434.4	1435.1	1437.9
5°	1434.4	1436.5	1440.7	1444.2	1450.4	1453.2	1456.6	1460.1	1460.8	1462.9	1465.0
7.5°	1434.4	1441.4	1446.2	1452.5	1460.8	1465.7	1473.3	1479.5	1482.3	1485.8	1489.9
10°	1431.6	1438.6	1447.6	1454.5	1465.0	1472.6	1480.2	1489.9	1494.1	1499.7	1505.2
12.5°	1426.1	1433.7	1443.4	1452.5	1464.3	1471.2	1480.9	1489.9	1496.2	1503.8	1510.1
15°	1417.8	1426.8	1435.8	1444.8	1457.3	1465.7	1474.7	1485.1	1491.3	1499.7	1505.2
17.5°	1404.6	1414.3	1422.6	1431.0	1442.8	1452.5	1460.8	1470.5	1476.8	1483.7	1491.3
20°	1388.6	1397.6	1406.7	1413.6	1425.4	1433.7	1442.8	1451.8	1456.6	1458.0	1469.8
22.5°	1368.5	1374.7	1381.7	1392.8	1399.7	1407.4	1415.7	1424.0	1428.9	1436.5	1440.7
25°	1335.2	1341.4	1349.1	1353.9	1362.3	1368.5	1376.8	1385.9	1388.6	1394.2	1398.3
27.5°	1288.7	1292.2	1295.6	1299.8	1304.6	1308.1	1313.0	1317.2	1319.9	1322.7	1325.5
30°	1215.1	1215.1	1215.1	1212.4	1214.4	1216.5	1217.2	1216.5	1216.5	1215.8	1215.8
32.5°	1118.0	1112.4	1106.2	1100.6	1098.6	1095.8	1094.4	1092.3	1088.8	1086.8	1087.4
35°	986.8	974.3	966.7	959.8	954.2	950.0	948.0	945.9	945.2	942.4	939.6
37.5°	823.0	814.0	808.5	804.3	799.5	795.3	796.0	796.7	798.7	797.4	798.1
40°	649.6	647.5	649.6	644.7	643.3	644.7	648.2	653.0	655.8	658.6	663.4
42.5°	494.1	497.6	502.4	502.4	504.5	507.3	511.4	519.1	523.2	528.1	533.7
45°	372.0	376.1	382.4	384.4	385.8	389.3	394.2	400.4	403.2	407.4	412.2
47.5°	286.6	289.4	292.8	296.3	299.8	301.2	306.0	306.0	309.5	312.3	313.7
50°	223.5	226.2	229.0	231.1	232.5	234.6	235.9	238.0	238.7	240.1	240.8
52.5°	174.9	178.4	178.4	179.7	181.8	183.9	183.2	183.9	184.6	184.6	186.7
55°	136.7	136.7	138.8	138.8	140.2	139.5	140.2	140.2	140.2	140.2	140.9
57.5°	102.0	102.7	104.8	103.4	102.7	104.1	102.7	104.1	103.4	104.8	102.7
60°	78.4	78.4	79.1	79.1	79.8	79.8	79.8	79.1	79.1	78.4	78.4
62.5°	59.0	59.7	60.4	59.7	59.7	59.7	59.0	59.0	58.3	57.6	57.6
65°	39.6	38.9	40.2	38.9	39.6	39.6	38.9	39.6	37.5	38.2	37.5
67.5°	28.4	27.8	27.1	27.8	27.1	26.4	26.4	27.1	27.8	25.7	25.7
70°	18.7	19.4	18.7	19.4	20.1	20.1	19.4	18.7	19.4	18.1	18.7
72.5°	11.8	11.8	11.8	11.8	11.8	12.5	12.5	12.5	11.1	11.1	10.4
75°	5.5	7.6	6.3	5.5	7.6	7.6	6.9	6.9	6.3	6.3	6.3
77.5°	5.5	4.2	4.2	4.2	4.2	4.2	4.2	4.2	3.5	4.2	3.5
80°	2.8	2.8	2.8	2.1	2.8	2.8	3.5	2.8	2.8	2.1	3.5
82.5°	1.4	1.4	1.4	0.0	0.7	1.4	1.4	0.7	1.4	1.4	0.7
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: P245913

CATALOG NUMBER: LD8B30D010 ER8B30850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2
2.5°	1437.2	1436.5	1437.2	1437.9	1437.2	1436.5	1437.2	1437.9	1435.1	1434.4	1435.8
5°	1467.7	1467.7	1469.1	1469.8	1469.1	1467.7	1467.7	1465.0	1462.9	1460.8	1460.1
7.5°	1494.1	1495.5	1496.9	1497.6	1496.9	1495.5	1494.1	1489.9	1485.8	1482.3	1479.5
10°	1510.1	1512.2	1514.9	1516.3	1514.9	1512.2	1510.1	1505.2	1499.7	1494.1	1489.9
12.5°	1517.0	1519.1	1522.6	1521.9	1522.6	1519.1	1517.0	1510.1	1503.8	1496.2	1489.9
15°	1512.2	1514.9	1518.4	1519.8	1518.4	1514.9	1512.2	1505.2	1499.7	1491.3	1485.1
17.5°	1496.9	1501.1	1503.1	1505.2	1503.1	1501.1	1496.9	1491.3	1483.7	1476.8	1470.5
20°	1476.1	1478.9	1481.6	1482.3	1481.6	1478.9	1476.1	1469.8	1458.0	1456.6	1451.8
22.5°	1446.2	1448.3	1454.5	1452.5	1454.5	1448.3	1446.2	1440.7	1436.5	1428.9	1424.0
25°	1403.2	1405.3	1406.0	1406.7	1406.0	1405.3	1403.2	1398.3	1394.2	1388.6	1385.9
27.5°	1329.0	1329.0	1330.3	1331.0	1330.3	1329.0	1329.0	1325.5	1322.7	1319.9	1317.2
30°	1216.5	1216.5	1216.5	1220.0	1216.5	1216.5	1216.5	1215.8	1215.8	1216.5	1216.5
32.5°	1086.8	1085.4	1084.0	1085.4	1084.0	1085.4	1086.8	1087.4	1086.8	1088.8	1092.3
35°	939.6	938.9	941.0	938.2	941.0	938.9	939.6	939.6	942.4	945.2	945.9
37.5°	798.7	797.4	800.1	797.4	800.1	797.4	798.7	798.1	797.4	798.7	796.7
40°	664.8	666.2	666.2	671.8	666.2	666.2	664.8	663.4	658.6	655.8	653.0
42.5°	536.4	540.6	539.2	543.4	539.2	540.6	536.4	533.7	528.1	523.2	519.1
45°	415.0	417.8	417.8	419.2	417.8	417.8	415.0	412.2	407.4	403.2	400.4
47.5°	318.5	318.5	318.5	319.2	318.5	318.5	318.5	313.7	312.3	309.5	306.0
50°	242.2	242.9	243.6	244.3	243.6	242.9	242.2	240.8	240.1	238.7	238.0
52.5°	186.0	186.7	185.3	186.7	185.3	186.7	186.0	186.7	184.6	184.6	183.9
55°	140.9	140.2	140.9	141.6	140.9	140.2	140.9	140.9	140.2	140.2	140.2
57.5°	103.4	102.0	102.0	102.0	102.0	102.0	103.4	102.7	104.8	103.4	104.1
60°	77.0	77.7	77.7	78.4	77.7	77.7	77.0	78.4	78.4	79.1	79.1
62.5°	56.9	59.0	57.6	59.0	57.6	59.0	56.9	57.6	57.6	58.3	59.0
65°	36.8	36.8	36.8	37.5	36.8	36.8	36.8	37.5	38.2	37.5	39.6
67.5°	25.0	25.7	27.1	26.4	27.1	25.7	25.0	25.7	25.7	27.8	27.1
70°	20.1	18.1	18.1	20.1	18.1	18.1	20.1	18.7	18.1	19.4	18.7
72.5°	11.8	10.4	11.8	11.8	11.8	10.4	11.8	10.4	11.1	11.1	12.5
75°	6.3	5.5	4.9	6.9	4.9	5.5	6.3	6.3	6.3	6.3	6.9
77.5°	4.2	3.5	4.9	4.9	4.9	3.5	4.2	3.5	4.2	3.5	4.2
80°	2.1	2.8	2.1	3.5	2.1	2.8	2.1	3.5	2.1	2.8	2.8
82.5°	0.7	1.4	1.4	1.4	1.4	1.4	0.7	0.7	1.4	1.4	0.7
85°	0.0	1.4	0.7	0.7	0.7	1.4	0.0	0.0	0.0	0.0	0.0
87.5°	0.7	0.0	0.0	0.7	0.0	0.0	0.7	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: P245913

CATALOG NUMBER: LD8B30D010 ER8B30850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2
2.5°	1435.8	1433.7	1434.4	1430.3	1430.3	1428.9	1429.6	1426.1	1424.7	1423.3	1425.4
5°	1456.6	1453.2	1450.4	1444.2	1440.7	1436.5	1434.4	1428.9	1424.0	1419.8	1419.2
7.5°	1473.3	1465.7	1460.8	1452.5	1446.2	1441.4	1434.4	1426.8	1420.6	1415.0	1410.8
10°	1480.2	1472.6	1465.0	1454.5	1447.6	1438.6	1431.6	1421.9	1413.6	1406.0	1401.1
12.5°	1480.9	1471.2	1464.3	1452.5	1443.4	1433.7	1426.1	1415.0	1405.3	1397.6	1390.0
15°	1474.7	1465.7	1457.3	1444.8	1435.8	1426.8	1417.8	1406.0	1397.0	1387.9	1382.4
17.5°	1460.8	1452.5	1442.8	1431.0	1422.6	1414.3	1404.6	1394.9	1384.5	1374.7	1367.8
20°	1442.8	1433.7	1425.4	1413.6	1406.7	1397.6	1388.6	1378.2	1369.9	1360.2	1352.5
22.5°	1415.7	1407.4	1399.7	1392.8	1381.7	1374.7	1368.5	1356.7	1348.4	1339.3	1331.0
25°	1376.8	1368.5	1362.3	1353.9	1349.1	1341.4	1335.2	1324.8	1317.2	1308.8	1301.9
27.5°	1313.0	1308.1	1304.6	1299.8	1295.6	1292.2	1288.7	1280.4	1274.8	1267.2	1260.3
30°	1217.2	1216.5	1214.4	1212.4	1215.1	1215.1	1215.1	1213.8	1208.9	1203.3	1198.5
32.5°	1094.4	1095.8	1098.6	1100.6	1106.2	1112.4	1118.0	1120.7	1120.7	1117.3	1115.2
35°	948.0	950.0	954.2	959.8	966.7	974.3	986.8	989.6	991.7	991.7	988.9
37.5°	796.0	795.3	799.5	804.3	808.5	814.0	823.0	825.1	828.6	827.2	824.4
40°	648.2	644.7	643.3	644.7	649.6	647.5	649.6	648.2	648.2	643.3	643.3
42.5°	511.4	507.3	504.5	502.4	502.4	497.6	494.1	490.6	488.6	485.1	484.4
45°	394.2	389.3	385.8	384.4	382.4	376.1	372.0	367.8	362.9	361.6	362.3
47.5°	306.0	301.2	299.8	296.3	292.8	289.4	286.6	281.8	281.0	278.3	281.0
50°	235.9	234.6	232.5	231.1	229.0	226.2	223.5	220.7	219.3	219.3	220.0
52.5°	183.2	183.9	181.8	179.7	178.4	178.4	174.9	174.2	174.2	171.4	174.2
55°	140.2	139.5	140.2	138.8	138.8	136.7	136.7	134.6	134.6	132.5	133.9
57.5°	102.7	104.1	102.7	103.4	104.8	102.7	102.0	99.9	101.3	99.9	100.6
60°	79.8	79.8	79.8	79.1	79.1	78.4	78.4	77.7	77.7	76.3	77.7
62.5°	59.0	59.7	59.7	59.7	60.4	59.7	59.0	59.7	59.0	59.0	59.7
65°	38.9	39.6	39.6	38.9	40.2	38.9	39.6	40.2	40.9	40.2	40.9
67.5°	26.4	26.4	27.1	27.8	27.1	27.8	28.4	27.8	28.4	29.8	28.4
70°	19.4	20.1	20.1	19.4	18.7	19.4	18.7	20.8	20.8	20.8	22.2
72.5°	12.5	12.5	11.8	11.8	11.8	11.8	11.8	13.9	12.5	11.8	13.2
75°	6.9	7.6	7.6	5.5	6.3	7.6	5.5	6.3	8.3	6.9	8.3
77.5°	4.2	4.2	4.2	4.2	4.2	4.2	5.5	4.9	4.9	4.9	5.5
80°	3.5	2.8	2.8	2.1	2.8	2.8	2.8	4.2	3.5	3.5	4.2
82.5°	1.4	1.4	0.7	0.0	1.4	1.4	1.4	1.4	1.4	1.4	2.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	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: P245913

CATALOG NUMBER: LD8B30D010 ER8B30850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2
2.5°	1419.8	1419.8	1419.2	1417.8	1415.0	1415.0	1414.3	1412.2	1410.8	1410.1	1410.1
5°	1412.9	1410.1	1407.4	1399.7	1399.7	1398.3	1394.2	1391.4	1390.0	1386.5	1385.2
7.5°	1406.7	1398.3	1393.5	1388.6	1382.4	1379.6	1374.7	1372.7	1367.8	1364.3	1362.3
10°	1391.4	1385.9	1379.6	1372.0	1367.1	1361.6	1356.0	1351.9	1345.6	1342.1	1339.3
12.5°	1381.0	1372.7	1367.1	1358.8	1350.5	1345.6	1338.0	1333.1	1326.9	1319.9	1315.8
15°	1371.3	1362.3	1354.6	1345.6	1336.6	1331.0	1322.0	1316.5	1307.4	1300.5	1295.6
17.5°	1356.7	1349.1	1340.7	1329.6	1321.3	1314.4	1304.6	1297.7	1289.4	1280.4	1275.5
20°	1341.4	1332.4	1324.1	1313.0	1304.6	1296.3	1286.6	1279.0	1269.3	1260.9	1255.4
22.5°	1321.3	1310.9	1304.0	1292.8	1283.1	1274.1	1265.1	1256.1	1247.1	1240.1	1233.9
25°	1292.2	1281.0	1273.4	1264.4	1255.4	1248.5	1237.3	1231.8	1222.8	1216.5	1210.3
27.5°	1250.5	1242.2	1235.3	1226.2	1218.6	1213.1	1204.7	1199.2	1191.5	1186.0	1181.1
30°	1189.5	1182.5	1176.3	1167.2	1161.7	1156.9	1149.2	1144.3	1138.8	1132.5	1131.2
32.5°	1107.6	1102.0	1095.8	1089.5	1085.4	1082.6	1076.3	1073.6	1068.0	1064.5	1061.1
35°	984.0	979.2	975.7	973.0	971.6	972.2	970.9	973.6	975.0	974.3	975.0
37.5°	822.4	819.6	821.0	823.0	830.0	839.0	847.3	859.8	868.2	876.5	884.1
40°	641.9	644.0	649.6	662.0	680.1	700.2	719.0	742.6	766.1	782.8	798.1
42.5°	484.4	490.6	504.5	522.6	549.6	579.5	608.6	643.3	671.8	699.5	719.0
45°	364.3	372.6	390.7	415.7	445.5	480.2	517.0	555.9	589.9	618.3	639.8
47.5°	283.8	291.5	309.5	335.9	372.6	408.8	446.9	487.2	522.6	550.3	569.1
50°	224.1	233.9	249.8	277.6	314.4	352.5	392.1	431.6	465.0	488.6	505.2
52.5°	176.3	185.3	200.5	229.7	267.2	305.4	342.1	381.0	410.1	433.0	444.1
55°	136.7	145.0	161.0	185.3	220.7	258.2	294.9	328.3	355.3	372.0	382.4
57.5°	104.1	110.3	121.5	145.7	177.7	212.3	243.6	276.9	297.7	309.5	316.4
60°	79.1	84.0	95.8	114.5	143.6	173.5	199.9	224.9	241.5	251.2	258.2
62.5°	59.7	65.2	73.6	89.5	111.7	136.0	158.2	177.0	190.8	197.1	201.9
65°	40.9	45.1	51.4	63.8	82.6	99.9	117.3	131.2	140.2	147.1	149.9
67.5°	30.5	33.3	36.8	46.5	59.7	73.6	85.3	95.1	104.8	107.6	112.4
70°	22.9	25.0	28.4	35.4	43.0	52.7	62.5	68.0	75.0	79.8	81.2
72.5°	14.6	15.3	18.7	22.9	29.1	35.4	41.6	46.5	50.7	53.4	54.8
75°	8.3	12.5	12.5	16.7	20.8	23.6	27.8	31.2	33.3	35.4	35.4
77.5°	5.5	7.6	8.3	10.4	12.5	16.0	19.4	21.5	23.6	24.3	24.3
80°	4.9	5.5	5.5	7.6	9.0	11.8	13.9	14.6	16.0	16.7	18.1
82.5°	2.1	2.8	3.5	5.5	6.3	6.3	8.3	9.0	10.4	11.1	11.1
85°	0.7	1.4	1.4	2.1	3.5	4.2	4.9	5.5	6.3	6.3	6.9
87.5°	0.7	0.7	0.0	0.7	1.4	1.4	2.8	2.8	2.8	4.2	4.2
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: P245913

CATALOG NUMBER: LD8B30D010 ER8B30850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2	1421.2
2.5°	1408.8	1409.4	1406.7	1406.0	1404.6	1405.3	1406.7
5°	1383.1	1383.8	1381.0	1378.2	1378.2	1377.5	1378.2
7.5°	1358.8	1359.5	1355.3	1353.9	1351.1	1351.9	1351.9
10°	1334.5	1334.5	1328.3	1327.6	1325.5	1324.8	1324.8
12.5°	1310.9	1308.8	1304.0	1301.2	1302.6	1298.4	1298.4
15°	1290.1	1286.6	1280.4	1278.3	1274.8	1273.4	1273.4
17.5°	1268.6	1265.8	1260.3	1256.1	1251.9	1251.2	1251.9
20°	1247.7	1245.0	1238.0	1235.3	1231.8	1231.8	1230.4
22.5°	1226.9	1224.1	1217.9	1215.8	1211.0	1211.0	1211.7
25°	1205.4	1203.3	1196.4	1195.0	1194.3	1191.5	1192.9
27.5°	1176.3	1174.9	1169.3	1167.2	1164.5	1163.8	1165.2
30°	1122.8	1120.7	1116.6	1114.5	1109.7	1110.3	1111.7
32.5°	1056.2	1053.4	1047.9	1045.8	1041.7	1040.3	1040.9
35°	973.0	970.9	966.0	966.0	961.8	960.4	961.8
37.5°	888.3	890.3	888.3	890.3	888.3	887.6	888.3
40°	808.5	816.1	817.5	825.1	822.4	826.5	825.8
42.5°	732.1	744.6	749.5	755.7	754.4	757.1	759.2
45°	655.1	665.5	670.4	674.5	675.2	676.6	677.3
47.5°	582.2	590.6	591.3	596.1	595.4	595.4	597.5
50°	514.2	519.8	521.2	524.6	521.9	520.5	521.2
52.5°	451.1	456.6	455.2	456.6	453.2	451.8	452.5
55°	386.5	389.3	389.3	389.3	385.2	385.2	385.2
57.5°	320.6	321.3	319.9	320.6	319.9	315.7	315.1
60°	260.2	260.2	259.5	260.2	258.2	256.1	256.1
62.5°	203.3	204.7	207.5	204.7	203.3	204.7	202.6
65°	152.0	154.8	154.0	155.4	154.8	154.8	153.4
67.5°	114.5	115.2	115.9	116.6	116.6	116.6	116.6
70°	84.0	86.1	85.3	85.3	85.3	85.3	89.5
72.5°	56.2	59.0	58.3	59.7	59.7	61.1	59.7
75°	38.2	40.9	39.6	41.6	40.9	39.6	43.0
77.5°	25.7	27.1	27.8	28.4	27.8	27.1	27.8
80°	18.1	19.4	18.7	19.4	19.4	19.4	20.1
82.5°	11.1	13.2	12.5	13.2	12.5	13.2	13.2
85°	7.6	8.3	6.9	8.3	7.6	7.6	9.0
87.5°	4.9	4.2	4.2	4.9	4.2	4.9	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)