

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: P246021

Luminaire Tested: **LD8B30D010 ER8B30927 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246021
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 ER8B30927 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2397.4 lumens
Efficiency: N/A
Efficacy: 88.5 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

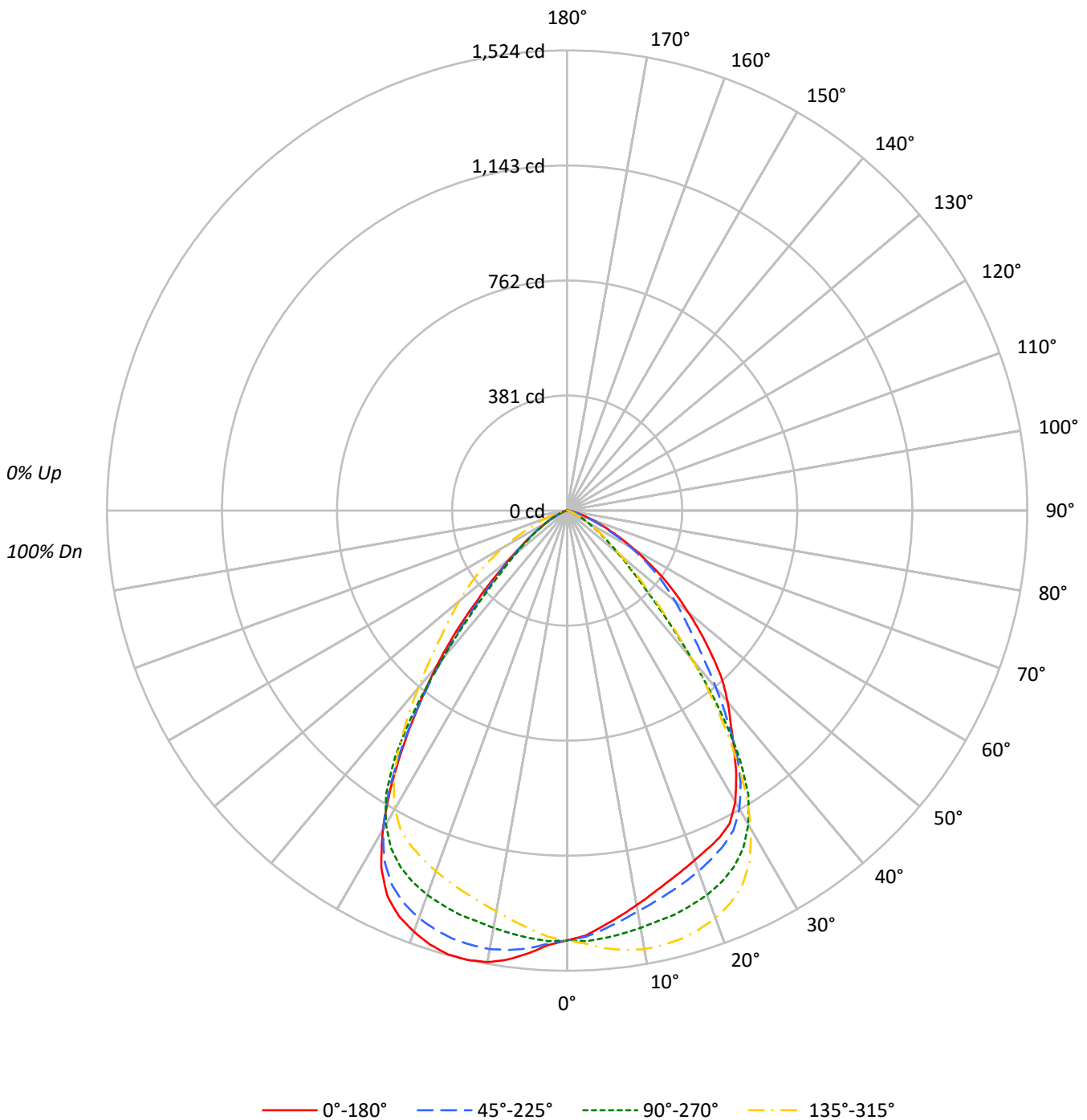
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P246021

CATALOG NUMBER: LD8B30D010 ER8B30927 8LBSW0MW

Luminous Intensity Polar Plot





TEST NUMBER: P246021

CATALOG NUMBER: LD8B30D010 ER8B30927 8LBSW0MW

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°				



TEST NUMBER: P246021

CATALOG NUMBER: LD8B30D010 ER8B30927 8LBSW0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.5	5.7
10°-20°	392.3	16.4
20°-30°	594.0	24.8
30°-40°	595.3	24.8
40°-50°	373.8	15.6
50°-60°	199.2	8.3
60°-70°	81.9	3.4
70°-80°	21.6	0.9
80°-90°	3.6	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°	1121.8	46.8
0°-40°	1717.1	71.6
0°-60°	2290.2	95.5
0°-90°	2397.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2397.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1423	1423	1423	1423	1423	
5°	1380	1421	1472	1421	1380	130
15°	1275	1384	1522	1384	1275	361
25°	1195	1304	1409	1304	1195	548
35°	963	990	940	990	963	603
45°	678	363	420	363	678	522
55°	386	134	142	134	386	344
65°	154	41	38	41	154	159
75°	43	8	7	8	43	49
85°	9	0	1	0	9	10
90°	0	0	0	0	0	



TEST NUMBER: P246021

CATALOG NUMBER: LD8B30D010 ER8B30927 8LBSW0MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2
2.5°	1408.6	1407.3	1406.6	1407.9	1408.6	1411.4	1410.8	1412.1	1412.1	1412.9	1414.2
5°	1380.1	1379.5	1380.1	1380.1	1383.0	1385.7	1385.0	1387.1	1388.5	1392.0	1393.3
7.5°	1353.7	1353.7	1353.0	1355.9	1357.2	1361.4	1360.7	1364.2	1366.3	1369.7	1374.6
10°	1326.6	1326.6	1327.4	1329.4	1330.1	1336.4	1336.4	1341.2	1344.0	1347.5	1353.7
12.5°	1300.3	1300.3	1304.4	1303.0	1305.8	1310.6	1312.8	1317.6	1321.8	1328.7	1335.0
15°	1275.2	1275.2	1276.6	1280.0	1282.2	1288.5	1291.8	1297.5	1302.3	1309.3	1318.3
17.5°	1253.7	1253.0	1253.7	1257.9	1262.0	1267.5	1270.4	1277.3	1282.2	1291.2	1299.6
20°	1232.1	1233.6	1233.6	1237.0	1239.8	1246.7	1249.5	1257.2	1262.7	1271.0	1280.8
22.5°	1213.4	1212.6	1212.6	1217.6	1219.6	1225.9	1228.6	1235.6	1241.9	1248.9	1257.9
25°	1194.6	1193.2	1196.0	1196.7	1198.1	1205.0	1207.1	1212.0	1218.3	1224.4	1233.6
27.5°	1166.9	1165.4	1166.2	1168.9	1171.0	1176.5	1178.0	1182.8	1187.7	1193.2	1200.8
30°	1113.3	1112.0	1111.3	1116.1	1118.1	1122.3	1124.4	1132.8	1134.1	1140.4	1145.9
32.5°	1042.4	1041.8	1043.1	1047.3	1049.4	1054.9	1057.7	1062.6	1066.0	1069.5	1075.0
35°	963.2	961.8	963.2	967.4	967.4	972.2	974.4	976.4	975.7	976.4	975.0
37.5°	889.5	888.9	889.5	891.6	889.5	891.6	889.5	885.4	877.7	869.4	861.1
40°	827.0	827.7	823.5	826.3	818.7	817.3	809.7	799.2	783.9	767.2	743.6
42.5°	760.3	758.1	755.4	756.8	750.6	745.6	733.2	720.0	700.5	672.8	644.2
45°	678.3	677.6	676.2	675.4	671.3	666.4	656.0	640.7	619.2	590.7	556.6
47.5°	598.4	596.2	596.2	596.9	592.1	591.4	583.1	569.8	551.1	523.2	487.8
50°	521.9	521.2	522.6	525.4	521.9	520.5	514.9	505.9	489.3	465.6	432.2
52.5°	453.2	452.4	453.8	457.3	455.8	457.3	451.7	444.8	433.7	410.7	381.5
55°	385.7	385.7	385.7	389.8	389.8	389.8	387.1	383.0	372.5	355.8	328.7
57.5°	315.6	316.2	320.4	321.1	320.4	321.8	321.1	316.9	309.9	298.1	277.3
60°	256.4	256.4	258.5	260.7	259.9	260.7	260.7	258.5	251.6	241.9	225.2
62.5°	203.0	205.0	203.6	205.0	207.8	205.0	203.6	202.3	197.3	191.1	177.2
65°	153.6	155.0	155.0	155.7	154.2	155.0	152.2	150.1	147.4	140.4	131.4
67.5°	116.8	116.8	116.8	116.8	116.1	115.3	114.6	112.6	107.8	105.0	95.2
70°	89.7	85.5	85.5	85.5	85.5	86.2	84.1	81.3	79.9	75.0	68.1
72.5°	59.7	61.2	59.7	59.7	58.4	59.1	56.2	54.9	53.6	50.7	46.6
75°	43.1	39.6	40.9	41.7	39.6	40.9	38.2	35.4	35.4	33.3	31.3
77.5°	27.8	27.1	27.8	28.5	27.8	27.1	25.8	24.3	24.3	23.6	21.5
80°	20.1	19.5	19.5	19.5	18.8	19.5	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	10.5	9.0
85°	9.0	7.6	7.6	8.3	7.0	8.3	7.6	7.0	6.3	6.3	5.5
87.5°	4.2	4.8	4.2	4.8	4.2	4.2	4.8	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: P246021

CATALOG NUMBER: LD8B30D010 ER8B30927 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2
2.5°	1416.3	1416.9	1416.9	1419.8	1421.2	1421.9	1421.9	1427.4	1425.4	1426.7	1428.1
5°	1396.1	1400.3	1401.8	1401.8	1409.4	1412.1	1414.9	1421.2	1421.9	1426.0	1430.9
7.5°	1376.7	1381.5	1384.3	1390.6	1395.4	1400.3	1408.6	1412.9	1416.9	1422.6	1428.8
10°	1357.9	1363.5	1369.0	1373.9	1381.5	1387.8	1393.3	1403.1	1407.9	1415.6	1423.9
12.5°	1339.9	1347.5	1352.4	1360.7	1369.0	1374.6	1383.0	1392.0	1399.6	1407.3	1416.9
15°	1323.9	1332.9	1338.4	1347.5	1356.5	1364.2	1373.2	1384.3	1389.9	1398.9	1407.9
17.5°	1306.5	1316.2	1323.2	1331.6	1342.7	1351.0	1358.7	1369.7	1376.7	1386.4	1396.8
20°	1288.5	1298.1	1306.5	1314.8	1325.9	1334.2	1343.4	1354.5	1362.0	1371.8	1380.1
22.5°	1266.9	1276.0	1285.0	1294.6	1305.8	1312.8	1323.2	1332.9	1341.2	1350.2	1358.7
25°	1239.1	1250.2	1257.2	1266.2	1275.2	1282.8	1294.0	1303.8	1310.6	1319.1	1326.6
27.5°	1206.4	1214.8	1220.3	1227.9	1237.0	1243.9	1252.2	1262.0	1269.0	1276.6	1282.2
30°	1150.8	1158.5	1163.4	1168.9	1178.0	1184.2	1191.1	1200.1	1205.0	1210.6	1215.4
32.5°	1077.9	1084.2	1086.9	1091.0	1097.3	1103.5	1109.1	1116.8	1118.8	1122.3	1122.3
35°	972.2	973.6	972.9	974.4	977.1	980.6	985.4	990.3	993.0	993.0	991.0
37.5°	848.5	840.2	831.2	824.2	822.2	820.7	823.5	825.6	828.3	829.8	826.3
40°	720.0	701.2	681.1	663.0	650.5	645.0	642.8	644.2	644.2	649.0	649.0
42.5°	609.5	580.3	550.5	523.2	505.2	491.3	485.1	485.1	485.8	489.3	491.3
45°	517.7	480.9	446.2	416.2	391.3	373.2	364.8	362.8	362.0	363.5	368.3
47.5°	447.5	409.3	373.2	336.4	309.9	291.8	284.3	281.5	278.7	281.5	282.2
50°	392.6	353.0	314.8	278.0	250.2	234.2	224.4	220.3	219.6	219.6	221.0
52.5°	342.6	305.8	267.5	230.1	200.8	185.5	176.5	174.4	171.7	174.4	174.4
55°	295.3	258.5	221.0	185.5	161.2	145.2	136.9	134.1	132.8	134.8	134.8
57.5°	243.9	212.6	178.0	145.9	121.6	110.5	104.3	100.8	100.0	101.5	100.0
60°	200.1	173.7	143.9	114.6	96.0	84.1	79.2	77.9	76.4	77.9	77.9
62.5°	158.4	136.2	111.8	89.7	73.7	65.4	59.7	59.7	59.1	59.1	59.7
65°	117.4	100.0	82.7	63.9	51.4	45.1	40.9	40.9	40.3	40.9	40.3
67.5°	85.5	73.7	59.7	46.6	36.8	33.3	30.6	28.5	29.9	28.5	27.8
70°	62.6	52.8	43.1	35.4	28.5	25.0	23.0	22.3	20.8	20.8	20.8
72.5°	41.7	35.4	29.1	23.0	18.8	15.3	14.6	13.2	11.8	12.5	14.0
75°	27.8	23.6	20.8	16.7	12.5	12.5	8.3	8.3	7.0	8.3	6.3
77.5°	19.5	16.0	12.5	10.5	8.3	7.6	5.5	5.5	4.8	4.8	4.8
80°	14.0	11.8	9.0	7.6	5.5	5.5	4.8	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	1.3	1.3	1.3
85°	4.8	4.2	3.5	2.1	1.3	1.3	0.7	0.0	0.7	0.7	0.0
87.5°	2.8	1.3	1.3	0.7	0.0	0.7	0.7	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



TEST NUMBER: P246021

CATALOG NUMBER: LD8B30D010 ER8B30927 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2
2.5°	1431.6	1430.9	1432.2	1432.2	1436.5	1435.7	1437.9	1437.9	1436.5	1437.2	1439.9
5°	1436.5	1438.5	1442.7	1446.2	1452.4	1455.2	1458.7	1462.2	1462.8	1465.0	1467.0
7.5°	1436.5	1443.4	1448.3	1454.5	1462.8	1467.7	1475.3	1481.6	1484.4	1487.8	1492.1
10°	1433.7	1440.6	1449.7	1456.6	1467.0	1474.6	1482.3	1492.1	1496.2	1501.8	1507.4
12.5°	1428.1	1435.7	1445.5	1454.5	1466.3	1473.3	1483.0	1492.1	1498.3	1505.9	1512.2
15°	1419.8	1428.8	1437.9	1446.9	1459.4	1467.7	1476.8	1487.1	1493.4	1501.8	1507.4
17.5°	1406.6	1416.3	1424.7	1433.0	1444.8	1454.5	1462.8	1472.6	1478.8	1485.8	1493.4
20°	1390.6	1399.6	1408.6	1415.6	1427.4	1435.7	1444.8	1453.8	1458.7	1460.1	1472.0
22.5°	1370.5	1376.7	1383.6	1394.8	1401.8	1409.4	1417.7	1426.0	1430.9	1438.5	1442.7
25°	1337.1	1343.4	1351.0	1355.9	1364.2	1370.5	1378.8	1387.8	1390.6	1396.1	1400.3
27.5°	1290.5	1294.0	1297.5	1301.6	1306.5	1310.0	1314.8	1319.1	1321.8	1324.6	1327.4
30°	1216.8	1216.8	1216.8	1214.1	1216.1	1218.3	1218.9	1218.3	1218.3	1217.6	1217.6
32.5°	1119.6	1114.0	1107.8	1102.2	1100.1	1097.3	1096.0	1093.8	1090.4	1088.3	1089.0
35°	988.2	975.7	968.1	961.1	955.6	951.4	949.3	947.2	946.6	943.8	941.0
37.5°	824.2	815.2	809.7	805.5	800.6	796.4	797.1	797.8	799.9	798.5	799.2
40°	650.5	648.3	650.5	645.6	644.2	645.6	649.0	654.0	656.8	659.5	664.3
42.5°	494.8	498.3	503.1	503.1	505.2	508.0	512.2	519.9	524.0	528.9	534.4
45°	372.5	376.7	383.0	385.0	386.4	389.8	394.8	401.0	403.8	407.9	412.8
47.5°	287.0	289.8	293.3	296.8	300.2	301.6	306.4	306.4	309.9	312.8	314.1
50°	223.8	226.6	229.3	231.4	232.8	234.9	236.2	238.4	239.1	240.4	241.1
52.5°	175.2	178.6	178.6	180.0	182.0	184.2	183.5	184.2	184.8	184.8	187.0
55°	136.9	136.9	138.9	138.9	140.4	139.7	140.4	140.4	140.4	140.4	141.1
57.5°	102.1	102.8	105.0	103.5	102.8	104.3	102.8	104.3	103.5	105.0	102.8
60°	78.5	78.5	79.2	79.2	79.9	79.9	79.9	79.2	79.2	78.5	78.5
62.5°	59.1	59.7	60.5	59.7	59.7	59.7	59.1	59.1	58.4	57.7	57.7
65°	39.6	38.9	40.3	38.9	39.6	39.6	38.9	39.6	37.6	38.2	37.6
67.5°	28.5	27.8	27.1	27.8	27.1	26.4	26.4	27.1	27.8	25.8	25.8
70°	18.8	19.5	18.8	19.5	20.1	20.1	19.5	18.8	19.5	18.1	18.8
72.5°	11.8	11.8	11.8	11.8	11.8	12.5	12.5	12.5	11.1	11.1	10.5
75°	5.5	7.6	6.3	5.5	7.6	7.6	7.0	7.0	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°	1.3	1.3	1.3	0.0	0.7	1.3	1.3	0.7	1.3	1.3	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: P246021

CATALOG NUMBER: LD8B30D010 ER8B30927 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2
2.5°	1439.2	1438.5	1439.2	1439.9	1439.2	1438.5	1439.2	1439.9	1437.2	1436.5	1437.9
5°	1469.8	1469.8	1471.2	1472.0	1471.2	1469.8	1469.8	1467.0	1465.0	1462.8	1462.2
7.5°	1496.2	1497.6	1499.0	1499.6	1499.0	1497.6	1496.2	1492.1	1487.8	1484.4	1481.6
10°	1512.2	1514.2	1517.1	1518.4	1517.1	1514.2	1512.2	1507.4	1501.8	1496.2	1492.1
12.5°	1519.2	1521.2	1524.7	1524.0	1524.7	1521.2	1519.2	1512.2	1505.9	1498.3	1492.1
15°	1514.2	1517.1	1520.6	1521.9	1520.6	1517.1	1514.2	1507.4	1501.8	1493.4	1487.1
17.5°	1499.0	1503.1	1505.2	1507.4	1505.2	1503.1	1499.0	1493.4	1485.8	1478.8	1472.6
20°	1478.1	1481.0	1483.8	1484.4	1483.8	1481.0	1478.1	1472.0	1460.1	1458.7	1453.8
22.5°	1448.3	1450.4	1456.6	1454.5	1456.6	1450.4	1448.3	1442.7	1438.5	1430.9	1426.0
25°	1405.1	1407.3	1407.9	1408.6	1407.9	1407.3	1405.1	1400.3	1396.1	1390.6	1387.8
27.5°	1330.9	1330.9	1332.2	1332.9	1332.2	1330.9	1330.9	1327.4	1324.6	1321.8	1319.1
30°	1218.3	1218.3	1218.3	1221.8	1218.3	1218.3	1218.3	1217.6	1217.6	1218.3	1218.3
32.5°	1088.3	1086.9	1085.5	1086.9	1085.5	1086.9	1088.3	1089.0	1088.3	1090.4	1093.8
35°	941.0	940.3	942.3	939.6	942.3	940.3	941.0	941.0	943.8	946.6	947.2
37.5°	799.9	798.5	801.2	798.5	801.2	798.5	799.9	799.2	798.5	799.9	797.8
40°	665.8	667.1	667.1	672.8	667.1	667.1	665.8	664.3	659.5	656.8	654.0
42.5°	537.2	541.4	540.0	544.2	540.0	541.4	537.2	534.4	528.9	524.0	519.9
45°	415.6	418.4	418.4	419.7	418.4	418.4	415.6	412.8	407.9	403.8	401.0
47.5°	318.9	318.9	318.9	319.7	318.9	318.9	318.9	314.1	312.8	309.9	306.4
50°	242.6	243.2	243.9	244.6	243.9	243.2	242.6	241.1	240.4	239.1	238.4
52.5°	186.3	187.0	185.5	187.0	185.5	187.0	186.3	187.0	184.8	184.8	184.2
55°	141.1	140.4	141.1	141.8	141.1	140.4	141.1	141.1	140.4	140.4	140.4
57.5°	103.5	102.1	102.1	102.1	102.1	102.1	103.5	102.8	105.0	103.5	104.3
60°	77.2	77.9	77.9	78.5	77.9	77.9	77.2	78.5	78.5	79.2	79.2
62.5°	56.9	59.1	57.7	59.1	57.7	59.1	56.9	57.7	57.7	58.4	59.1
65°	36.8	36.8	36.8	37.6	36.8	36.8	36.8	37.6	38.2	37.6	39.6
67.5°	25.0	25.8	27.1	26.4	27.1	25.8	25.0	25.8	25.8	27.8	27.1
70°	20.1	18.1	18.1	20.1	18.1	18.1	20.1	18.8	18.1	19.5	18.8
72.5°	11.8	10.5	11.8	11.8	11.8	10.5	11.8	10.5	11.1	11.1	12.5
75°	6.3	5.5	4.8	7.0	4.8	5.5	6.3	6.3	6.3	6.3	7.0
77.5°	4.2	3.5	4.8	4.8	4.8	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	1.3	1.3	1.3	1.3	1.3	0.7	0.7	1.3	1.3	0.7
85°	0.0	1.3	0.7	0.7	0.7	1.3	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: P246021

CATALOG NUMBER: LD8B30D010 ER8B30927 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2
2.5°	1437.9	1435.7	1436.5	1432.2	1432.2	1430.9	1431.6	1428.1	1426.7	1425.4	1427.4
5°	1458.7	1455.2	1452.4	1446.2	1442.7	1438.5	1436.5	1430.9	1426.0	1421.9	1421.2
7.5°	1475.3	1467.7	1462.8	1454.5	1448.3	1443.4	1436.5	1428.8	1422.6	1416.9	1412.9
10°	1482.3	1474.6	1467.0	1456.6	1449.7	1440.6	1433.7	1423.9	1415.6	1407.9	1403.1
12.5°	1483.0	1473.3	1466.3	1454.5	1445.5	1435.7	1428.1	1416.9	1407.3	1399.6	1392.0
15°	1476.8	1467.7	1459.4	1446.9	1437.9	1428.8	1419.8	1407.9	1398.9	1389.9	1384.3
17.5°	1462.8	1454.5	1444.8	1433.0	1424.7	1416.3	1406.6	1396.8	1386.4	1376.7	1369.7
20°	1444.8	1435.7	1427.4	1415.6	1408.6	1399.6	1390.6	1380.1	1371.8	1362.0	1354.5
22.5°	1417.7	1409.4	1401.8	1394.8	1383.6	1376.7	1370.5	1358.7	1350.2	1341.2	1332.9
25°	1378.8	1370.5	1364.2	1355.9	1351.0	1343.4	1337.1	1326.6	1319.1	1310.6	1303.8
27.5°	1314.8	1310.0	1306.5	1301.6	1297.5	1294.0	1290.5	1282.2	1276.6	1269.0	1262.0
30°	1218.9	1218.3	1216.1	1214.1	1216.8	1216.8	1216.8	1215.4	1210.6	1205.0	1200.1
32.5°	1096.0	1097.3	1100.1	1102.2	1107.8	1114.0	1119.6	1122.3	1122.3	1118.8	1116.8
35°	949.3	951.4	955.6	961.1	968.1	975.7	988.2	991.0	993.0	993.0	990.3
37.5°	797.1	796.4	800.6	805.5	809.7	815.2	824.2	826.3	829.8	828.3	825.6
40°	649.0	645.6	644.2	645.6	650.5	648.3	650.5	649.0	649.0	644.2	644.2
42.5°	512.2	508.0	505.2	503.1	503.1	498.3	494.8	491.3	489.3	485.8	485.1
45°	394.8	389.8	386.4	385.0	383.0	376.7	372.5	368.3	363.5	362.0	362.8
47.5°	306.4	301.6	300.2	296.8	293.3	289.8	287.0	282.2	281.5	278.7	281.5
50°	236.2	234.9	232.8	231.4	229.3	226.6	223.8	221.0	219.6	219.6	220.3
52.5°	183.5	184.2	182.0	180.0	178.6	178.6	175.2	174.4	174.4	171.7	174.4
55°	140.4	139.7	140.4	138.9	138.9	136.9	136.9	134.8	134.8	132.8	134.1
57.5°	102.8	104.3	102.8	103.5	105.0	102.8	102.1	100.0	101.5	100.0	100.8
60°	79.9	79.9	79.9	79.2	79.2	78.5	78.5	77.9	77.9	76.4	77.9
62.5°	59.1	59.7	59.7	59.7	60.5	59.7	59.1	59.7	59.1	59.1	59.7
65°	38.9	39.6	39.6	38.9	40.3	38.9	39.6	40.3	40.9	40.3	40.9
67.5°	26.4	26.4	27.1	27.8	27.1	27.8	28.5	27.8	28.5	29.9	28.5
70°	19.5	20.1	20.1	19.5	18.8	19.5	18.8	20.8	20.8	20.8	22.3
72.5°	12.5	12.5	11.8	11.8	11.8	11.8	11.8	14.0	12.5	11.8	13.2
75°	7.0	7.6	7.6	5.5	6.3	7.6	5.5	6.3	8.3	7.0	8.3
77.5°	4.2	4.2	4.2	4.2	4.2	4.2	5.5	4.8	4.8	4.8	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°	1.3	1.3	0.7	0.0	1.3	1.3	1.3	1.3	1.3	1.3	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	1.3	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: P246021

CATALOG NUMBER: LD8B30D010 ER8B30927 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2
2.5°	1421.9	1421.9	1421.2	1419.8	1416.9	1416.9	1416.3	1414.2	1412.9	1412.1	1412.1
5°	1414.9	1412.1	1409.4	1401.8	1401.8	1400.3	1396.1	1393.3	1392.0	1388.5	1387.1
7.5°	1408.6	1400.3	1395.4	1390.6	1384.3	1381.5	1376.7	1374.6	1369.7	1366.3	1364.2
10°	1393.3	1387.8	1381.5	1373.9	1369.0	1363.5	1357.9	1353.7	1347.5	1344.0	1341.2
12.5°	1383.0	1374.6	1369.0	1360.7	1352.4	1347.5	1339.9	1335.0	1328.7	1321.8	1317.6
15°	1373.2	1364.2	1356.5	1347.5	1338.4	1332.9	1323.9	1318.3	1309.3	1302.3	1297.5
17.5°	1358.7	1351.0	1342.7	1331.6	1323.2	1316.2	1306.5	1299.6	1291.2	1282.2	1277.3
20°	1343.4	1334.2	1325.9	1314.8	1306.5	1298.1	1288.5	1280.8	1271.0	1262.7	1257.2
22.5°	1323.2	1312.8	1305.8	1294.6	1285.0	1276.0	1266.9	1257.9	1248.9	1241.9	1235.6
25°	1294.0	1282.8	1275.2	1266.2	1257.2	1250.2	1239.1	1233.6	1224.4	1218.3	1212.0
27.5°	1252.2	1243.9	1237.0	1227.9	1220.3	1214.8	1206.4	1200.8	1193.2	1187.7	1182.8
30°	1191.1	1184.2	1178.0	1168.9	1163.4	1158.5	1150.8	1145.9	1140.4	1134.1	1132.8
32.5°	1109.1	1103.5	1097.3	1091.0	1086.9	1084.2	1077.9	1075.0	1069.5	1066.0	1062.6
35°	985.4	980.6	977.1	974.4	972.9	973.6	972.2	975.0	976.4	975.7	976.4
37.5°	823.5	820.7	822.2	824.2	831.2	840.2	848.5	861.1	869.4	877.7	885.4
40°	642.8	645.0	650.5	663.0	681.1	701.2	720.0	743.6	767.2	783.9	799.2
42.5°	485.1	491.3	505.2	523.2	550.5	580.3	609.5	644.2	672.8	700.5	720.0
45°	364.8	373.2	391.3	416.2	446.2	480.9	517.7	556.6	590.7	619.2	640.7
47.5°	284.3	291.8	309.9	336.4	373.2	409.3	447.5	487.8	523.2	551.1	569.8
50°	224.4	234.2	250.2	278.0	314.8	353.0	392.6	432.2	465.6	489.3	505.9
52.5°	176.5	185.5	200.8	230.1	267.5	305.8	342.6	381.5	410.7	433.7	444.8
55°	136.9	145.2	161.2	185.5	221.0	258.5	295.3	328.7	355.8	372.5	383.0
57.5°	104.3	110.5	121.6	145.9	178.0	212.6	243.9	277.3	298.1	309.9	316.9
60°	79.2	84.1	96.0	114.6	143.9	173.7	200.1	225.2	241.9	251.6	258.5
62.5°	59.7	65.4	73.7	89.7	111.8	136.2	158.4	177.2	191.1	197.3	202.3
65°	40.9	45.1	51.4	63.9	82.7	100.0	117.4	131.4	140.4	147.4	150.1
67.5°	30.6	33.3	36.8	46.6	59.7	73.7	85.5	95.2	105.0	107.8	112.6
70°	23.0	25.0	28.5	35.4	43.1	52.8	62.6	68.1	75.0	79.9	81.3
72.5°	14.6	15.3	18.8	23.0	29.1	35.4	41.7	46.6	50.7	53.6	54.9
75°	8.3	12.5	12.5	16.7	20.8	23.6	27.8	31.3	33.3	35.4	35.4
77.5°	5.5	7.6	8.3	10.5	12.5	16.0	19.5	21.5	23.6	24.3	24.3
80°	4.8	5.5	5.5	7.6	9.0	11.8	14.0	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	10.5	11.1	11.1
85°	0.7	1.3	1.3	2.1	3.5	4.2	4.8	5.5	6.3	6.3	7.0
87.5°	0.7	0.7	0.0	0.7	1.3	1.3	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: P246021

CATALOG NUMBER: LD8B30D010 ER8B30927 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2	1423.2
2.5°	1410.8	1411.4	1408.6	1407.9	1406.6	1407.3	1408.6
5°	1385.0	1385.7	1383.0	1380.1	1380.1	1379.5	1380.1
7.5°	1360.7	1361.4	1357.2	1355.9	1353.0	1353.7	1353.7
10°	1336.4	1336.4	1330.1	1329.4	1327.4	1326.6	1326.6
12.5°	1312.8	1310.6	1305.8	1303.0	1304.4	1300.3	1300.3
15°	1291.8	1288.5	1282.2	1280.0	1276.6	1275.2	1275.2
17.5°	1270.4	1267.5	1262.0	1257.9	1253.7	1253.0	1253.7
20°	1249.5	1246.7	1239.8	1237.0	1233.6	1233.6	1232.1
22.5°	1228.6	1225.9	1219.6	1217.6	1212.6	1212.6	1213.4
25°	1207.1	1205.0	1198.1	1196.7	1196.0	1193.2	1194.6
27.5°	1178.0	1176.5	1171.0	1168.9	1166.2	1165.4	1166.9
30°	1124.4	1122.3	1118.1	1116.1	1111.3	1112.0	1113.3
32.5°	1057.7	1054.9	1049.4	1047.3	1043.1	1041.8	1042.4
35°	974.4	972.2	967.4	967.4	963.2	961.8	963.2
37.5°	889.5	891.6	889.5	891.6	889.5	888.9	889.5
40°	809.7	817.3	818.7	826.3	823.5	827.7	827.0
42.5°	733.2	745.6	750.6	756.8	755.4	758.1	760.3
45°	656.0	666.4	671.3	675.4	676.2	677.6	678.3
47.5°	583.1	591.4	592.1	596.9	596.2	596.2	598.4
50°	514.9	520.5	521.9	525.4	522.6	521.2	521.9
52.5°	451.7	457.3	455.8	457.3	453.8	452.4	453.2
55°	387.1	389.8	389.8	389.8	385.7	385.7	385.7
57.5°	321.1	321.8	320.4	321.1	320.4	316.2	315.6
60°	260.7	260.7	259.9	260.7	258.5	256.4	256.4
62.5°	203.6	205.0	207.8	205.0	203.6	205.0	203.0
65°	152.2	155.0	154.2	155.7	155.0	155.0	153.6
67.5°	114.6	115.3	116.1	116.8	116.8	116.8	116.8
70°	84.1	86.2	85.5	85.5	85.5	85.5	89.7
72.5°	56.2	59.1	58.4	59.7	59.7	61.2	59.7
75°	38.2	40.9	39.6	41.7	40.9	39.6	43.1
77.5°	25.8	27.1	27.8	28.5	27.8	27.1	27.8
80°	18.1	19.5	18.8	19.5	19.5	19.5	20.1
82.5°	11.1	13.2	12.5	13.2	12.5	13.2	13.2
85°	7.6	8.3	7.0	8.3	7.6	7.6	9.0
87.5°	4.8	4.2	4.2	4.8	4.2	4.8	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)