

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: P245013

Luminaire Tested: **LD8B30D010 ER8B30927 8LBSW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245013  
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 8LBSW0WMH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 2700 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2401.8 lumens  
Efficiency: N/A  
Efficacy: 88.6 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

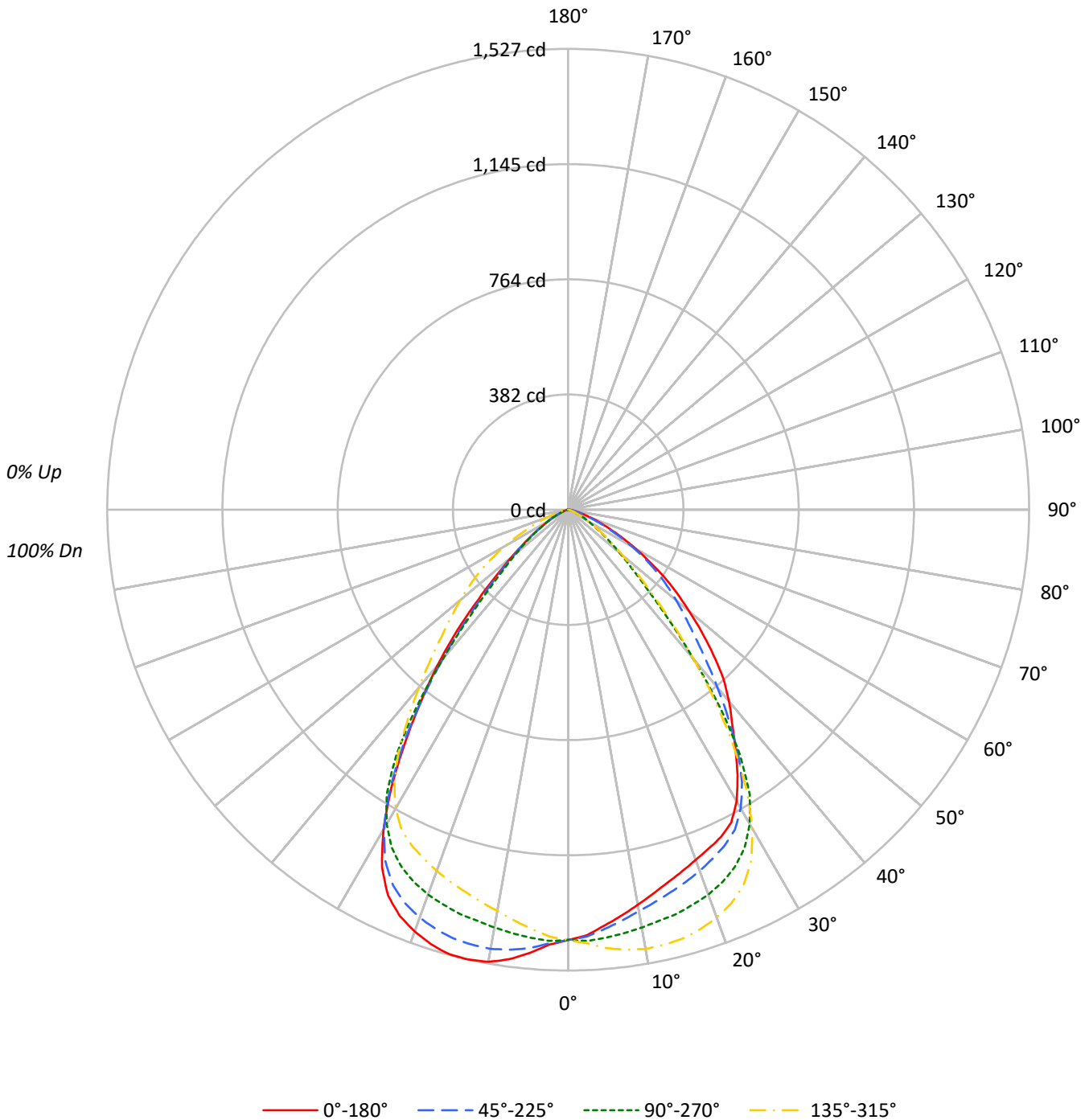
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	135.7	5.7
10°-20°	393.0	16.4
20°-30°	595.1	24.8
30°-40°	596.5	24.8
40°-50°	374.5	15.6
50°-60°	199.6	8.3
60°-70°	82.1	3.4
70°-80°	21.7	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°	1123.9	46.8
0°-40°	1720.3	71.6
0°-60°	2294.4	95.5
0°-90°	2401.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2401.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1426	1426	1426	1426	1426	
5°	1383	1424	1475	1424	1383	130
15°	1278	1387	1525	1387	1278	361
25°	1197	1306	1411	1306	1197	549
35°	965	992	941	992	965	605
45°	680	364	420	364	680	523
55°	386	134	142	134	386	345
65°	154	41	38	41	154	160
75°	43	8	7	8	43	49
85°	9	0	1	0	9	10
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°	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9
2.5°	1411.3	1409.9	1409.2	1410.6	1411.3	1414.1	1413.3	1414.8	1414.8	1415.5	1416.8
5°	1382.7	1382.1	1382.7	1382.7	1385.6	1388.4	1387.6	1389.7	1391.1	1394.6	1396.0
7.5°	1356.3	1356.3	1355.6	1358.3	1359.8	1364.0	1363.3	1366.8	1368.8	1372.3	1377.2
10°	1329.2	1329.2	1329.9	1331.9	1332.7	1338.9	1338.9	1343.7	1346.5	1350.0	1356.3
12.5°	1302.6	1302.6	1306.9	1305.4	1308.3	1313.1	1315.2	1320.1	1324.2	1331.2	1337.5
15°	1277.7	1277.7	1279.0	1282.5	1284.5	1290.8	1294.3	1299.9	1304.8	1311.8	1320.8
17.5°	1256.1	1255.4	1256.1	1260.2	1264.4	1270.0	1272.7	1279.7	1284.5	1293.6	1302.0
20°	1234.5	1235.8	1235.8	1239.3	1242.1	1249.1	1251.9	1259.6	1265.1	1273.4	1283.2
22.5°	1215.7	1215.0	1215.0	1219.8	1222.0	1228.2	1231.0	1238.0	1244.2	1251.1	1260.2
25°	1196.9	1195.4	1198.2	1198.9	1200.4	1207.2	1209.4	1214.2	1220.5	1226.8	1235.8
27.5°	1169.0	1167.6	1168.3	1171.1	1173.1	1178.8	1180.1	1185.0	1189.9	1195.4	1203.1
30°	1115.3	1114.0	1113.3	1118.1	1120.3	1124.4	1126.6	1134.9	1136.2	1142.6	1148.1
32.5°	1044.3	1043.7	1045.1	1049.3	1051.3	1056.9	1059.8	1064.6	1068.1	1071.6	1077.1
35°	965.0	963.6	965.0	969.2	969.2	974.0	976.2	978.2	977.5	978.2	976.8
37.5°	891.2	890.6	891.2	893.2	891.2	893.2	891.2	887.1	879.4	871.0	862.6
40°	828.6	829.2	825.1	827.9	820.1	818.8	811.1	800.7	785.4	768.7	745.0
42.5°	761.7	759.6	756.8	758.2	751.9	747.1	734.5	721.4	701.8	674.0	645.4
45°	679.5	678.8	677.5	676.8	672.5	667.7	657.2	641.9	620.3	591.9	557.7
47.5°	599.5	597.4	597.4	598.1	593.2	592.5	584.1	570.9	552.2	524.2	488.8
50°	522.9	522.2	523.6	526.4	522.9	521.4	515.9	506.9	490.2	466.5	433.0
52.5°	453.9	453.3	454.6	458.1	456.8	458.1	452.6	445.6	434.5	411.5	382.3
55°	386.4	386.4	386.4	390.6	390.6	390.6	387.8	383.6	373.2	356.5	329.3
57.5°	316.1	316.8	321.0	321.6	321.0	322.4	321.6	317.5	310.5	298.7	277.8
60°	257.0	257.0	259.0	261.1	260.4	261.1	261.1	259.0	252.0	242.3	225.6
62.5°	203.3	205.4	204.0	205.4	208.1	205.4	204.0	202.6	197.8	191.5	177.5
65°	153.9	155.2	155.2	155.9	154.6	155.2	152.4	150.4	147.6	140.6	131.6
67.5°	117.0	117.0	117.0	117.0	116.2	115.5	114.9	112.8	107.9	105.2	95.4
70°	89.8	85.6	85.6	85.6	85.6	86.4	84.3	81.4	80.1	75.1	68.3
72.5°	59.8	61.3	59.8	59.8	58.5	59.2	56.4	55.0	53.7	50.8	46.7
75°	43.2	39.7	41.1	41.7	39.7	41.1	38.2	35.6	35.6	33.4	31.3
77.5°	27.9	27.1	27.9	28.6	27.9	27.1	25.8	24.4	24.4	23.6	21.6
80°	20.2	19.5	19.5	19.5	18.8	19.5	18.1	18.1	16.8	16.0	14.6
82.5°	13.3	13.3	12.5	13.3	12.5	13.3	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: P245013

CATALOG NUMBER: LD8B30D010 ER8B30927 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9
2.5°	1419.0	1419.6	1419.6	1422.4	1423.8	1424.5	1424.5	1430.1	1428.0	1429.4	1430.8
5°	1398.8	1403.0	1404.3	1404.3	1412.0	1414.8	1417.5	1423.8	1424.5	1428.8	1433.6
7.5°	1379.2	1384.1	1386.9	1393.2	1398.0	1403.0	1411.3	1415.5	1419.6	1425.3	1431.4
10°	1360.5	1366.1	1371.6	1376.4	1384.1	1390.4	1396.0	1405.7	1410.6	1418.3	1426.6
12.5°	1342.4	1350.0	1355.0	1363.3	1371.6	1377.2	1385.6	1394.6	1402.2	1409.9	1419.6
15°	1326.4	1335.4	1341.0	1350.0	1359.1	1366.8	1375.8	1386.9	1392.5	1401.5	1410.6
17.5°	1308.9	1318.7	1325.7	1334.0	1345.2	1353.5	1361.1	1372.3	1379.2	1389.0	1399.5
20°	1290.8	1300.6	1308.9	1317.3	1328.4	1336.8	1345.8	1357.0	1364.6	1374.4	1382.7
22.5°	1269.2	1278.3	1287.3	1297.1	1308.3	1315.2	1325.7	1335.4	1343.7	1352.8	1361.1
25°	1241.4	1252.6	1259.6	1268.6	1277.7	1285.3	1296.4	1306.1	1313.1	1321.5	1329.2
27.5°	1208.7	1217.0	1222.6	1230.3	1239.3	1246.3	1254.6	1264.4	1271.4	1279.0	1284.5
30°	1153.0	1160.7	1165.5	1171.1	1180.1	1186.4	1193.4	1202.4	1207.2	1212.9	1217.7
32.5°	1079.9	1086.2	1088.9	1093.2	1099.4	1105.6	1111.3	1118.9	1121.0	1124.4	1124.4
35°	974.0	975.5	974.7	976.2	979.0	982.4	987.3	992.1	995.0	995.0	992.8
37.5°	850.2	841.7	832.7	825.8	823.6	822.3	825.1	827.1	829.9	831.3	827.9
40°	721.4	702.6	682.3	664.2	651.7	646.1	644.1	645.4	645.4	650.2	650.2
42.5°	610.6	581.4	551.5	524.2	506.1	492.3	486.0	486.0	486.7	490.2	492.3
45°	518.7	481.8	447.0	417.0	392.0	373.8	365.5	363.5	362.7	364.2	369.0
47.5°	448.4	410.1	373.8	336.9	310.5	292.4	284.7	281.9	279.2	281.9	282.7
50°	393.4	353.7	315.4	278.6	250.6	234.7	224.9	220.7	220.0	220.0	221.4
52.5°	343.2	306.3	268.1	230.5	201.3	185.8	176.8	174.7	172.0	174.7	174.7
55°	295.9	259.0	221.4	185.8	161.5	145.6	137.1	134.3	133.0	135.1	135.1
57.5°	244.4	213.1	178.2	146.2	121.8	110.7	104.4	100.9	100.2	101.7	100.2
60°	200.5	174.0	144.1	114.9	96.1	84.3	79.4	78.0	76.6	78.0	78.0
62.5°	158.7	136.5	112.0	89.8	73.8	65.5	59.8	59.8	59.2	59.2	59.8
65°	117.7	100.2	82.8	64.0	51.5	45.2	41.1	41.1	40.4	41.1	40.4
67.5°	85.6	73.8	59.8	46.7	36.9	33.4	30.6	28.6	29.9	28.6	27.9
70°	62.7	52.9	43.2	35.6	28.6	25.1	23.0	22.3	20.9	20.9	20.9
72.5°	41.7	35.6	29.2	23.0	18.8	15.3	14.6	13.3	11.8	12.5	14.0
75°	27.9	23.6	20.9	16.8	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: P245013

CATALOG NUMBER: LD8B30D010 ER8B30927 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9
2.5°	1434.3	1433.6	1434.9	1434.9	1439.2	1438.4	1440.6	1440.6	1439.2	1439.9	1442.6
5°	1439.2	1441.2	1445.4	1448.9	1455.2	1458.0	1461.4	1465.0	1465.6	1467.7	1469.8
7.5°	1439.2	1446.1	1451.0	1457.2	1465.6	1470.5	1478.1	1484.4	1487.1	1490.6	1494.8
10°	1436.4	1443.3	1452.4	1459.4	1469.8	1477.5	1485.1	1494.8	1499.1	1504.6	1510.2
12.5°	1430.8	1438.4	1448.2	1457.2	1469.0	1476.0	1485.8	1494.8	1501.1	1508.7	1515.0
15°	1422.4	1431.4	1440.6	1449.6	1462.2	1470.5	1479.5	1490.0	1496.2	1504.6	1510.2
17.5°	1409.2	1419.0	1427.3	1435.6	1447.5	1457.2	1465.6	1475.3	1481.6	1488.6	1496.2
20°	1393.2	1402.2	1411.3	1418.3	1430.1	1438.4	1447.5	1456.5	1461.4	1462.8	1474.6
22.5°	1373.1	1379.2	1386.2	1397.4	1404.3	1412.0	1420.3	1428.8	1433.6	1441.2	1445.4
25°	1339.5	1345.8	1353.5	1358.3	1366.8	1373.1	1381.4	1390.4	1393.2	1398.8	1403.0
27.5°	1293.0	1296.4	1299.9	1304.1	1308.9	1312.4	1317.3	1321.5	1324.2	1327.0	1329.9
30°	1219.2	1219.2	1219.2	1216.4	1218.5	1220.5	1221.2	1220.5	1220.5	1219.8	1219.8
32.5°	1121.6	1116.1	1109.8	1104.3	1102.2	1099.4	1098.0	1095.9	1092.4	1090.4	1091.0
35°	990.0	977.5	969.9	962.9	957.4	953.2	951.1	948.9	948.3	945.6	942.8
37.5°	825.8	816.8	811.1	807.0	802.1	797.8	798.6	799.3	801.3	800.0	800.7
40°	651.7	649.6	651.7	646.8	645.4	646.8	650.2	655.2	658.0	660.7	665.7
42.5°	495.7	499.2	504.1	504.1	506.1	509.0	513.1	520.8	524.9	529.9	535.4
45°	373.2	377.3	383.6	385.8	387.1	390.6	395.4	401.7	404.6	408.7	413.6
47.5°	287.6	290.4	293.8	297.3	300.7	302.2	307.0	307.0	310.5	313.3	314.7
50°	224.2	227.0	229.7	231.9	233.2	235.4	236.7	238.8	239.5	240.9	241.5
52.5°	175.5	179.0	179.0	180.3	182.4	184.5	183.8	184.5	185.2	185.2	187.3
55°	137.1	137.1	139.3	139.3	140.6	140.0	140.6	140.6	140.6	140.6	141.3
57.5°	102.4	103.0	105.2	103.7	103.0	104.4	103.0	104.4	103.7	105.2	103.0
60°	78.6	78.6	79.4	79.4	80.1	80.1	80.1	79.4	79.4	78.6	78.6
62.5°	59.2	59.8	60.6	59.8	59.8	59.8	59.2	59.2	58.5	57.8	57.8
65°	39.7	39.0	40.4	39.0	39.7	39.7	39.0	39.7	37.6	38.2	37.6
67.5°	28.6	27.9	27.1	27.9	27.1	26.4	26.4	27.1	27.9	25.8	25.8
70°	18.8	19.5	18.8	19.5	20.2	20.2	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: P245013

CATALOG NUMBER: LD8B30D010 ER8B30927 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9
2.5°	1441.9	1441.2	1441.9	1442.6	1441.9	1441.2	1441.9	1442.6	1439.9	1439.2	1440.6
5°	1472.6	1472.6	1474.0	1474.6	1474.0	1472.6	1472.6	1469.8	1467.7	1465.6	1465.0
7.5°	1499.1	1500.4	1501.8	1502.4	1501.8	1500.4	1499.1	1494.8	1490.6	1487.1	1484.4
10°	1515.0	1517.2	1519.9	1521.3	1519.9	1517.2	1515.0	1510.2	1504.6	1499.1	1494.8
12.5°	1522.0	1524.1	1527.5	1526.9	1527.5	1524.1	1522.0	1515.0	1508.7	1501.1	1494.8
15°	1517.2	1519.9	1523.4	1524.8	1523.4	1519.9	1517.2	1510.2	1504.6	1496.2	1490.0
17.5°	1501.8	1506.0	1508.1	1510.2	1508.1	1506.0	1501.8	1496.2	1488.6	1481.6	1475.3
20°	1481.0	1483.8	1486.5	1487.1	1486.5	1483.8	1481.0	1474.6	1462.8	1461.4	1456.5
22.5°	1451.0	1453.0	1459.4	1457.2	1459.4	1453.0	1451.0	1445.4	1441.2	1433.6	1428.8
25°	1407.8	1409.9	1410.6	1411.3	1410.6	1409.9	1407.8	1403.0	1398.8	1393.2	1390.4
27.5°	1333.4	1333.4	1334.7	1335.4	1334.7	1333.4	1333.4	1329.9	1327.0	1324.2	1321.5
30°	1220.5	1220.5	1220.5	1224.0	1220.5	1220.5	1220.5	1219.8	1219.8	1220.5	1220.5
32.5°	1090.4	1088.9	1087.5	1088.9	1087.5	1088.9	1090.4	1091.0	1090.4	1092.4	1095.9
35°	942.8	942.1	944.1	941.3	944.1	942.1	942.8	942.8	945.6	948.3	948.9
37.5°	801.3	800.0	802.8	800.0	802.8	800.0	801.3	800.7	800.0	801.3	799.3
40°	667.0	668.4	668.4	674.0	668.4	668.4	667.0	665.7	660.7	658.0	655.2
42.5°	538.2	542.4	541.0	545.2	541.0	542.4	538.2	535.4	529.9	524.9	520.8
45°	416.4	419.2	419.2	420.5	419.2	419.2	416.4	413.6	408.7	404.6	401.7
47.5°	319.6	319.6	319.6	320.3	319.6	319.6	319.6	314.7	313.3	310.5	307.0
50°	243.0	243.7	244.4	245.1	244.4	243.7	243.0	241.5	240.9	239.5	238.8
52.5°	186.6	187.3	185.8	187.3	185.8	187.3	186.6	187.3	185.2	185.2	184.5
55°	141.3	140.6	141.3	142.0	141.3	140.6	141.3	141.3	140.6	140.6	140.6
57.5°	103.7	102.4	102.4	102.4	102.4	102.4	103.7	103.0	105.2	103.7	104.4
60°	77.3	78.0	78.0	78.6	78.0	78.0	77.3	78.6	78.6	79.4	79.4
62.5°	57.0	59.2	57.8	59.2	57.8	59.2	57.0	57.8	57.8	58.5	59.2
65°	36.9	36.9	36.9	37.6	36.9	36.9	36.9	37.6	38.2	37.6	39.7
67.5°	25.1	25.8	27.1	26.4	27.1	25.8	25.1	25.8	25.8	27.9	27.1
70°	20.2	18.1	18.1	20.2	18.1	18.1	20.2	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: P245013

CATALOG NUMBER: LD8B30D010 ER8B30927 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9
2.5°	1440.6	1438.4	1439.2	1434.9	1434.9	1433.6	1434.3	1430.8	1429.4	1428.0	1430.1
5°	1461.4	1458.0	1455.2	1448.9	1445.4	1441.2	1439.2	1433.6	1428.8	1424.5	1423.8
7.5°	1478.1	1470.5	1465.6	1457.2	1451.0	1446.1	1439.2	1431.4	1425.3	1419.6	1415.5
10°	1485.1	1477.5	1469.8	1459.4	1452.4	1443.3	1436.4	1426.6	1418.3	1410.6	1405.7
12.5°	1485.8	1476.0	1469.0	1457.2	1448.2	1438.4	1430.8	1419.6	1409.9	1402.2	1394.6
15°	1479.5	1470.5	1462.2	1449.6	1440.6	1431.4	1422.4	1410.6	1401.5	1392.5	1386.9
17.5°	1465.6	1457.2	1447.5	1435.6	1427.3	1419.0	1409.2	1399.5	1389.0	1379.2	1372.3
20°	1447.5	1438.4	1430.1	1418.3	1411.3	1402.2	1393.2	1382.7	1374.4	1364.6	1357.0
22.5°	1420.3	1412.0	1404.3	1397.4	1386.2	1379.2	1373.1	1361.1	1352.8	1343.7	1335.4
25°	1381.4	1373.1	1366.8	1358.3	1353.5	1345.8	1339.5	1329.2	1321.5	1313.1	1306.1
27.5°	1317.3	1312.4	1308.9	1304.1	1299.9	1296.4	1293.0	1284.5	1279.0	1271.4	1264.4
30°	1221.2	1220.5	1218.5	1216.4	1219.2	1219.2	1219.2	1217.7	1212.9	1207.2	1202.4
32.5°	1098.0	1099.4	1102.2	1104.3	1109.8	1116.1	1121.6	1124.4	1124.4	1121.0	1118.9
35°	951.1	953.2	957.4	962.9	969.9	977.5	990.0	992.8	995.0	995.0	992.1
37.5°	798.6	797.8	802.1	807.0	811.1	816.8	825.8	827.9	831.3	829.9	827.1
40°	650.2	646.8	645.4	646.8	651.7	649.6	651.7	650.2	650.2	645.4	645.4
42.5°	513.1	509.0	506.1	504.1	504.1	499.2	495.7	492.3	490.2	486.7	486.0
45°	395.4	390.6	387.1	385.8	383.6	377.3	373.2	369.0	364.2	362.7	363.5
47.5°	307.0	302.2	300.7	297.3	293.8	290.4	287.6	282.7	281.9	279.2	281.9
50°	236.7	235.4	233.2	231.9	229.7	227.0	224.2	221.4	220.0	220.0	220.7
52.5°	183.8	184.5	182.4	180.3	179.0	179.0	175.5	174.7	174.7	172.0	174.7
55°	140.6	140.0	140.6	139.3	139.3	137.1	137.1	135.1	135.1	133.0	134.3
57.5°	103.0	104.4	103.0	103.7	105.2	103.0	102.4	100.2	101.7	100.2	100.9
60°	80.1	80.1	80.1	79.4	79.4	78.6	78.6	78.0	78.0	76.6	78.0
62.5°	59.2	59.8	59.8	59.8	60.6	59.8	59.2	59.8	59.2	59.2	59.8
65°	39.0	39.7	39.7	39.0	40.4	39.0	39.7	40.4	41.1	40.4	41.1
67.5°	26.4	26.4	27.1	27.9	27.1	27.9	28.6	27.9	28.6	29.9	28.6
70°	19.5	20.2	20.2	19.5	18.8	19.5	18.8	20.9	20.9	20.9	22.3
72.5°	12.5	12.5	11.8	11.8	11.8	11.8	11.8	14.0	12.5	11.8	13.3
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: P245013

CATALOG NUMBER: LD8B30D010 ER8B30927 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9
2.5°	1424.5	1424.5	1423.8	1422.4	1419.6	1419.6	1419.0	1416.8	1415.5	1414.8	1414.8
5°	1417.5	1414.8	1412.0	1404.3	1404.3	1403.0	1398.8	1396.0	1394.6	1391.1	1389.7
7.5°	1411.3	1403.0	1398.0	1393.2	1386.9	1384.1	1379.2	1377.2	1372.3	1368.8	1366.8
10°	1396.0	1390.4	1384.1	1376.4	1371.6	1366.1	1360.5	1356.3	1350.0	1346.5	1343.7
12.5°	1385.6	1377.2	1371.6	1363.3	1355.0	1350.0	1342.4	1337.5	1331.2	1324.2	1320.1
15°	1375.8	1366.8	1359.1	1350.0	1341.0	1335.4	1326.4	1320.8	1311.8	1304.8	1299.9
17.5°	1361.1	1353.5	1345.2	1334.0	1325.7	1318.7	1308.9	1302.0	1293.6	1284.5	1279.7
20°	1345.8	1336.8	1328.4	1317.3	1308.9	1300.6	1290.8	1283.2	1273.4	1265.1	1259.6
22.5°	1325.7	1315.2	1308.3	1297.1	1287.3	1278.3	1269.2	1260.2	1251.1	1244.2	1238.0
25°	1296.4	1285.3	1277.7	1268.6	1259.6	1252.6	1241.4	1235.8	1226.8	1220.5	1214.2
27.5°	1254.6	1246.3	1239.3	1230.3	1222.6	1217.0	1208.7	1203.1	1195.4	1189.9	1185.0
30°	1193.4	1186.4	1180.1	1171.1	1165.5	1160.7	1153.0	1148.1	1142.6	1136.2	1134.9
32.5°	1111.3	1105.6	1099.4	1093.2	1088.9	1086.2	1079.9	1077.1	1071.6	1068.1	1064.6
35°	987.3	982.4	979.0	976.2	974.7	975.5	974.0	976.8	978.2	977.5	978.2
37.5°	825.1	822.3	823.6	825.8	832.7	841.7	850.2	862.6	871.0	879.4	887.1
40°	644.1	646.1	651.7	664.2	682.3	702.6	721.4	745.0	768.7	785.4	800.7
42.5°	486.0	492.3	506.1	524.2	551.5	581.4	610.6	645.4	674.0	701.8	721.4
45°	365.5	373.8	392.0	417.0	447.0	481.8	518.7	557.7	591.9	620.3	641.9
47.5°	284.7	292.4	310.5	336.9	373.8	410.1	448.4	488.8	524.2	552.2	570.9
50°	224.9	234.7	250.6	278.6	315.4	353.7	393.4	433.0	466.5	490.2	506.9
52.5°	176.8	185.8	201.3	230.5	268.1	306.3	343.2	382.3	411.5	434.5	445.6
55°	137.1	145.6	161.5	185.8	221.4	259.0	295.9	329.3	356.5	373.2	383.6
57.5°	104.4	110.7	121.8	146.2	178.2	213.1	244.4	277.8	298.7	310.5	317.5
60°	79.4	84.3	96.1	114.9	144.1	174.0	200.5	225.6	242.3	252.0	259.0
62.5°	59.8	65.5	73.8	89.8	112.0	136.5	158.7	177.5	191.5	197.8	202.6
65°	41.1	45.2	51.5	64.0	82.8	100.2	117.7	131.6	140.6	147.6	150.4
67.5°	30.6	33.4	36.9	46.7	59.8	73.8	85.6	95.4	105.2	107.9	112.8
70°	23.0	25.1	28.6	35.6	43.2	52.9	62.7	68.3	75.1	80.1	81.4
72.5°	14.6	15.3	18.8	23.0	29.2	35.6	41.7	46.7	50.8	53.7	55.0
75°	8.3	12.5	12.5	16.8	20.9	23.6	27.9	31.3	33.4	35.6	35.6
77.5°	5.5	7.6	8.3	10.5	12.5	16.0	19.5	21.6	23.6	24.4	24.4
80°	4.8	5.5	5.5	7.6	9.0	11.8	14.0	14.6	16.0	16.8	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: P245013

CATALOG NUMBER: LD8B30D010 ER8B30927 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9	1425.9
2.5°	1413.3	1414.1	1411.3	1410.6	1409.2	1409.9	1411.3
5°	1387.6	1388.4	1385.6	1382.7	1382.7	1382.1	1382.7
7.5°	1363.3	1364.0	1359.8	1358.3	1355.6	1356.3	1356.3
10°	1338.9	1338.9	1332.7	1331.9	1329.9	1329.2	1329.2
12.5°	1315.2	1313.1	1308.3	1305.4	1306.9	1302.6	1302.6
15°	1294.3	1290.8	1284.5	1282.5	1279.0	1277.7	1277.7
17.5°	1272.7	1270.0	1264.4	1260.2	1256.1	1255.4	1256.1
20°	1251.9	1249.1	1242.1	1239.3	1235.8	1235.8	1234.5
22.5°	1231.0	1228.2	1222.0	1219.8	1215.0	1215.0	1215.7
25°	1209.4	1207.2	1200.4	1198.9	1198.2	1195.4	1196.9
27.5°	1180.1	1178.8	1173.1	1171.1	1168.3	1167.6	1169.0
30°	1126.6	1124.4	1120.3	1118.1	1113.3	1114.0	1115.3
32.5°	1059.8	1056.9	1051.3	1049.3	1045.1	1043.7	1044.3
35°	976.2	974.0	969.2	969.2	965.0	963.6	965.0
37.5°	891.2	893.2	891.2	893.2	891.2	890.6	891.2
40°	811.1	818.8	820.1	827.9	825.1	829.2	828.6
42.5°	734.5	747.1	751.9	758.2	756.8	759.6	761.7
45°	657.2	667.7	672.5	676.8	677.5	678.8	679.5
47.5°	584.1	592.5	593.2	598.1	597.4	597.4	599.5
50°	515.9	521.4	522.9	526.4	523.6	522.2	522.9
52.5°	452.6	458.1	456.8	458.1	454.6	453.3	453.9
55°	387.8	390.6	390.6	390.6	386.4	386.4	386.4
57.5°	321.6	322.4	321.0	321.6	321.0	316.8	316.1
60°	261.1	261.1	260.4	261.1	259.0	257.0	257.0
62.5°	204.0	205.4	208.1	205.4	204.0	205.4	203.3
65°	152.4	155.2	154.6	155.9	155.2	155.2	153.9
67.5°	114.9	115.5	116.2	117.0	117.0	117.0	117.0
70°	84.3	86.4	85.6	85.6	85.6	85.6	89.8
72.5°	56.4	59.2	58.5	59.8	59.8	61.3	59.8
75°	38.2	41.1	39.7	41.7	41.1	39.7	43.2
77.5°	25.8	27.1	27.9	28.6	27.9	27.1	27.9
80°	18.1	19.5	18.8	19.5	19.5	19.5	20.2
82.5°	11.1	13.3	12.5	13.3	12.5	13.3	13.3
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)