

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: P246009

Luminaire Tested: **LD8B30D010 ER8B30940 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246009  
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 ER8B30940 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
90 CRI 4000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2726.0 lumens  
Efficiency: N/A  
Efficacy: 100.6 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

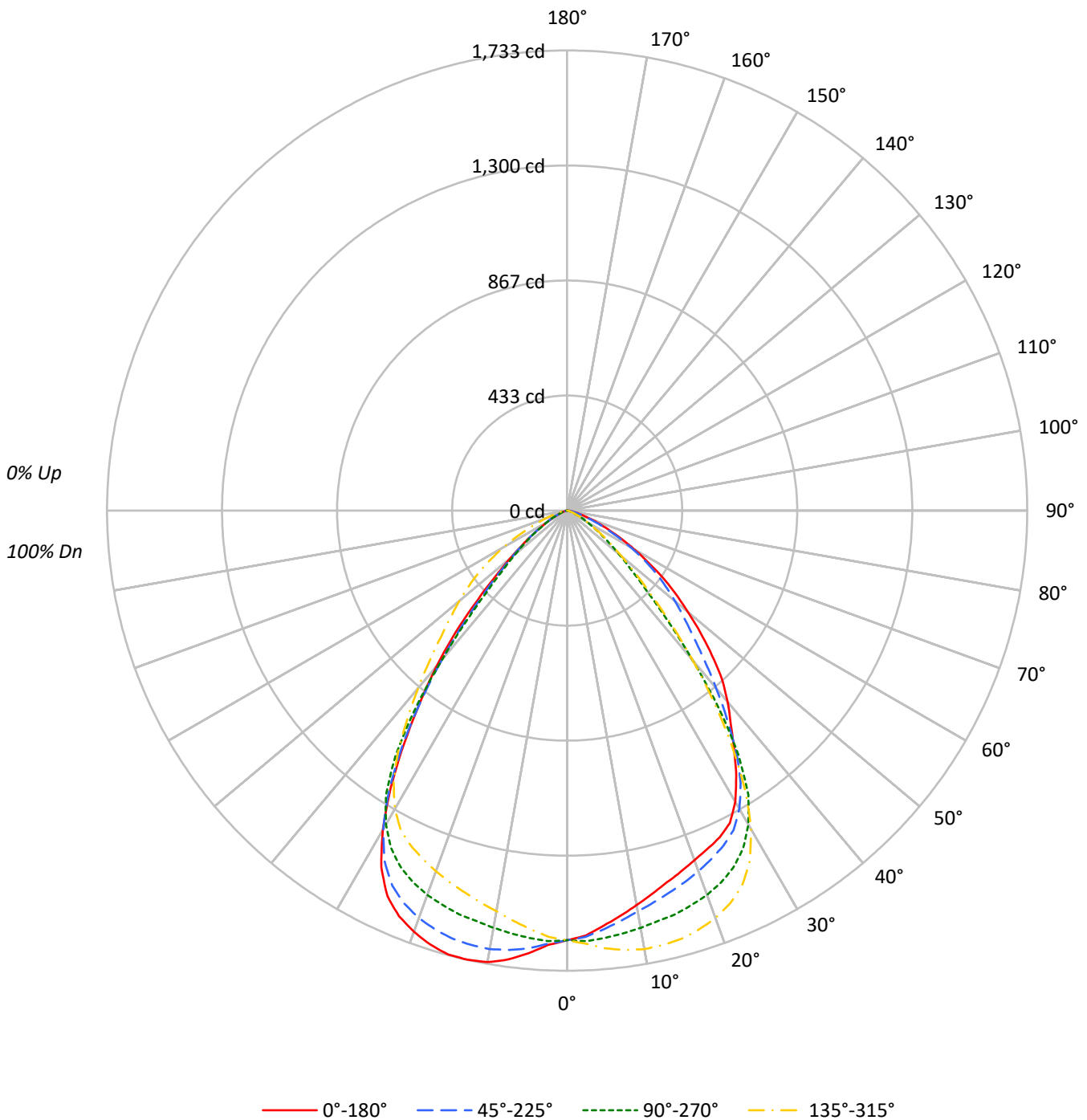
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	49902	49902	49902	49902
5°	48579	50022	51808	50022
10°	47234	49955	54063	49955
15°	46290	50252	55248	50252
20°	45974	50539	55389	50539
25°	46218	50437	54500	50437
30°	45075	48592	49465	48592
35°	41228	42387	40219	42387
40°	37851	29486	30790	29486
45°	33631	17989	20815	17989
50°	28467	12017	13346	12017
55°	23580	8199	8666	8199
60°	17984	5458	5507	5458
65°	12740	3400	3116	3400
70°	9187	2281	2065	2281
75°	5838	1132	941	1132
80°	4067	835	693	835
85°	3644	0	283	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.0	5.7
10°-20°	446.1	16.4
20°-30°	675.4	24.8
30°-40°	676.9	24.8
40°-50°	425.1	15.6
50°-60°	226.5	8.3
60°-70°	93.2	3.4
70°-80°	24.6	0.9
80°-90°	4.2	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°	1275.5	46.8
0°-40°	1952.5	71.6
0°-60°	2604.1	95.5
0°-90°	2726.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2726.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1618	1618	1618	1618	1618	
5°	1569	1616	1674	1616	1569	148
15°	1450	1574	1731	1574	1450	410
25°	1358	1482	1602	1482	1358	623
35°	1095	1126	1068	1126	1095	686
45°	771	412	477	412	771	593
55°	439	152	161	152	439	391
65°	175	47	43	47	175	181
75°	49	10	8	10	49	55
85°	10	0	1	0	10	11
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°	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3
2.5°	1601.8	1600.2	1599.4	1601.0	1601.8	1604.9	1604.1	1605.7	1605.7	1606.5	1608.1
5°	1569.4	1568.5	1569.4	1569.4	1572.5	1575.7	1574.9	1577.3	1578.8	1582.8	1584.4
7.5°	1539.3	1539.3	1538.5	1541.7	1543.3	1548.0	1547.2	1551.2	1553.5	1557.5	1563.0
10°	1508.5	1508.5	1509.3	1511.7	1512.5	1519.6	1519.6	1525.1	1528.2	1532.2	1539.3
12.5°	1478.5	1478.5	1483.2	1481.6	1484.8	1490.3	1492.7	1498.2	1503.0	1510.9	1518.0
15°	1450.0	1450.0	1451.6	1455.5	1457.9	1465.0	1469.0	1475.3	1480.9	1488.8	1499.0
17.5°	1425.5	1424.7	1425.5	1430.3	1435.0	1441.3	1444.5	1452.4	1457.9	1468.2	1477.7
20°	1401.0	1402.6	1402.6	1406.6	1409.7	1417.6	1420.8	1429.5	1435.8	1445.3	1456.4
22.5°	1379.7	1378.9	1378.9	1384.4	1386.8	1393.9	1397.1	1405.0	1412.1	1420.0	1430.3
25°	1358.4	1356.8	1360.0	1360.7	1362.3	1370.2	1372.6	1378.1	1385.2	1392.4	1402.6
27.5°	1326.7	1325.2	1326.0	1329.1	1331.5	1337.8	1339.4	1344.9	1350.5	1356.8	1365.5
30°	1265.9	1264.3	1263.6	1269.1	1271.5	1276.2	1278.5	1288.0	1289.6	1296.7	1303.0
32.5°	1185.3	1184.5	1186.1	1190.8	1193.2	1199.5	1202.7	1208.2	1212.2	1216.1	1222.4
35°	1095.2	1093.6	1095.2	1100.0	1100.0	1105.5	1107.9	1110.2	1109.4	1110.2	1108.7
37.5°	1011.5	1010.7	1011.5	1013.8	1011.5	1013.8	1011.5	1006.7	998.0	988.5	979.1
40°	940.3	941.1	936.4	939.6	930.8	929.3	920.6	908.7	891.4	872.4	845.5
42.5°	864.5	862.1	859.0	860.5	853.4	847.9	833.7	818.7	796.5	764.9	732.5
45°	771.2	770.5	768.9	768.1	763.3	757.8	745.9	728.6	704.1	671.7	632.9
47.5°	680.4	678.0	678.0	678.8	673.2	672.5	663.0	648.0	626.6	595.0	554.7
50°	593.4	592.6	594.2	597.4	593.4	591.9	585.6	575.3	556.3	529.5	491.5
52.5°	515.2	514.4	516.0	520.0	518.4	520.0	513.6	505.7	493.1	467.0	433.8
55°	438.6	438.6	438.6	443.3	443.3	443.3	440.1	435.4	423.5	404.6	373.8
57.5°	358.8	359.5	364.3	365.1	364.3	365.9	365.1	360.3	352.4	339.0	315.3
60°	291.6	291.6	294.0	296.3	295.5	296.3	296.3	294.0	286.1	275.0	256.0
62.5°	230.7	233.1	231.5	233.1	236.3	233.1	231.5	230.0	224.4	217.3	201.5
65°	174.6	176.2	176.2	177.0	175.4	176.2	173.1	170.7	167.5	159.6	149.4
67.5°	132.8	132.8	132.8	132.8	132.0	131.2	130.4	128.0	122.5	119.3	108.2
70°	101.9	97.2	97.2	97.2	97.2	98.0	95.6	92.5	90.9	85.3	77.4
72.5°	67.9	69.5	67.9	67.9	66.4	67.2	64.0	62.4	60.9	57.7	53.0
75°	49.0	45.0	46.6	47.4	45.0	46.6	43.5	40.3	40.3	37.9	35.6
77.5°	31.6	30.8	31.6	32.4	31.6	30.8	29.2	27.6	27.6	26.9	24.5
80°	22.9	22.1	22.1	22.1	21.3	22.1	20.6	20.6	19.0	18.2	16.6
82.5°	15.0	15.0	14.2	15.0	14.2	15.0	12.7	12.7	12.7	11.8	10.3
85°	10.3	8.7	8.7	9.5	7.9	9.5	8.7	7.9	7.1	7.1	6.3
87.5°	4.7	5.5	4.7	5.5	4.7	4.7	5.5	4.7	4.7	3.2	3.2
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°	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3
2.5°	1610.4	1611.2	1611.2	1614.4	1616.0	1616.7	1616.7	1623.1	1620.7	1622.3	1623.9
5°	1587.5	1592.3	1593.8	1593.8	1602.5	1605.7	1608.8	1616.0	1616.7	1621.5	1627.0
7.5°	1565.4	1570.9	1574.1	1581.2	1586.7	1592.3	1601.8	1606.5	1611.2	1617.6	1624.6
10°	1544.1	1550.4	1556.7	1562.2	1570.9	1578.0	1584.4	1595.4	1601.0	1609.7	1619.1
12.5°	1523.5	1532.2	1537.7	1547.2	1556.7	1563.0	1572.5	1582.8	1591.5	1600.2	1611.2
15°	1505.3	1515.6	1521.9	1532.2	1542.5	1551.2	1561.5	1574.1	1580.4	1590.7	1601.0
17.5°	1485.6	1496.7	1504.6	1514.0	1526.7	1536.1	1544.9	1557.5	1565.4	1576.4	1588.3
20°	1465.0	1476.1	1485.6	1495.1	1507.7	1517.2	1527.5	1540.1	1548.8	1559.9	1569.4
22.5°	1440.6	1450.8	1461.1	1472.1	1484.8	1492.7	1504.6	1515.6	1525.1	1535.4	1544.9
25°	1408.9	1421.6	1429.5	1439.7	1450.0	1458.7	1471.4	1482.4	1490.3	1499.8	1508.5
27.5°	1371.8	1381.3	1387.6	1396.3	1406.6	1414.5	1423.9	1435.0	1442.9	1451.6	1457.9
30°	1308.6	1317.3	1322.8	1329.1	1339.4	1346.5	1354.4	1364.7	1370.2	1376.5	1382.1
32.5°	1225.6	1232.7	1235.9	1240.6	1247.7	1254.8	1261.2	1269.9	1272.2	1276.2	1276.2
35°	1105.5	1107.1	1106.3	1107.9	1111.0	1115.0	1120.5	1126.0	1129.2	1129.2	1126.8
37.5°	964.8	955.4	945.1	937.2	934.8	933.2	936.4	938.8	941.9	943.5	939.6
40°	818.7	797.3	774.4	753.8	739.6	733.3	730.9	732.5	732.5	738.0	738.0
42.5°	693.0	659.8	625.9	595.0	574.5	558.7	551.6	551.6	552.3	556.3	558.7
45°	588.7	546.8	507.3	473.3	444.9	424.3	414.9	412.5	411.7	413.3	418.8
47.5°	508.9	465.4	424.3	382.5	352.4	331.9	323.2	320.0	316.9	320.0	320.8
50°	446.5	401.4	358.0	316.1	284.5	266.3	255.2	250.5	249.7	249.7	251.3
52.5°	389.6	347.7	304.2	261.6	228.4	211.0	200.7	198.3	195.2	198.3	198.3
55°	335.8	294.0	251.3	211.0	183.3	165.2	155.7	152.5	150.9	153.3	153.3
57.5°	277.4	241.8	202.3	165.9	138.3	125.6	118.5	114.6	113.8	115.4	113.8
60°	227.6	197.6	163.6	130.4	109.1	95.6	90.1	88.5	86.9	88.5	88.5
62.5°	180.2	154.9	127.2	101.9	83.8	74.3	67.9	67.9	67.2	67.2	67.9
65°	133.5	113.8	94.0	72.7	58.5	51.4	46.6	46.6	45.8	46.6	45.8
67.5°	97.2	83.8	67.9	53.0	41.9	37.9	34.8	32.4	34.0	32.4	31.6
70°	71.1	60.0	49.0	40.3	32.4	28.5	26.1	25.3	23.7	23.7	23.7
72.5°	47.4	40.3	33.2	26.1	21.3	17.4	16.6	15.0	13.4	14.2	15.8
75°	31.6	26.9	23.7	19.0	14.2	14.2	9.5	9.5	7.9	9.5	7.1
77.5°	22.1	18.2	14.2	11.8	9.5	8.7	6.3	6.3	5.5	5.5	5.5
80°	15.8	13.4	10.3	8.7	6.3	6.3	5.5	4.7	3.9	3.9	4.7
82.5°	9.5	7.1	7.1	6.3	3.9	3.2	2.4	3.2	1.6	1.6	1.6
85°	5.5	4.7	3.9	2.4	1.6	1.6	0.8	0.0	0.8	0.8	0.0
87.5°	3.2	1.6	1.6	0.8	0.0	0.8	0.8	0.0	0.0	0.0	1.6
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°	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3
2.5°	1627.8	1627.0	1628.6	1628.6	1633.4	1632.6	1634.9	1634.9	1633.4	1634.1	1637.3
5°	1633.4	1635.7	1640.5	1644.4	1651.5	1654.7	1658.6	1662.6	1663.4	1665.8	1668.1
7.5°	1633.4	1641.3	1646.8	1653.9	1663.4	1668.9	1677.6	1684.7	1687.9	1691.8	1696.6
10°	1630.2	1638.1	1648.4	1656.3	1668.1	1676.8	1685.5	1696.6	1701.3	1707.6	1714.0
12.5°	1623.9	1632.6	1643.6	1653.9	1667.3	1675.2	1686.3	1696.6	1703.7	1712.4	1719.5
15°	1614.4	1624.6	1634.9	1645.2	1659.4	1668.9	1679.2	1691.0	1698.2	1707.6	1714.0
17.5°	1599.4	1610.4	1619.9	1629.4	1642.8	1653.9	1663.4	1674.4	1681.6	1689.5	1698.2
20°	1581.2	1591.5	1601.8	1609.7	1623.1	1632.6	1642.8	1653.1	1658.6	1660.2	1673.7
22.5°	1558.3	1565.4	1573.3	1585.9	1593.8	1602.5	1612.0	1621.5	1627.0	1635.7	1640.5
25°	1520.3	1527.5	1536.1	1541.7	1551.2	1558.3	1567.8	1578.0	1581.2	1587.5	1592.3
27.5°	1467.4	1471.4	1475.3	1480.0	1485.6	1489.5	1495.1	1499.8	1503.0	1506.1	1509.3
30°	1383.6	1383.6	1383.6	1380.5	1382.9	1385.2	1386.0	1385.2	1385.2	1384.4	1384.4
32.5°	1273.0	1266.7	1259.6	1253.3	1250.9	1247.7	1246.2	1243.8	1239.8	1237.5	1238.2
35°	1123.7	1109.4	1100.8	1092.9	1086.5	1081.8	1079.4	1077.1	1076.3	1073.1	1069.9
37.5°	937.2	926.9	920.6	915.9	910.3	905.6	906.4	907.2	909.5	907.9	908.7
40°	739.6	737.3	739.6	734.1	732.5	734.1	738.0	743.6	746.8	749.9	755.4
42.5°	562.6	566.6	572.1	572.1	574.5	577.7	582.4	591.1	595.8	601.3	607.7
45°	423.5	428.3	435.4	437.8	439.4	443.3	448.9	455.9	459.1	463.8	469.4
47.5°	326.4	329.5	333.5	337.4	341.4	342.9	348.5	348.5	352.4	355.6	357.2
50°	254.4	257.6	260.8	263.1	264.7	267.1	268.7	271.0	271.8	273.4	274.2
52.5°	199.1	203.1	203.1	204.7	207.0	209.4	208.6	209.4	210.2	210.2	212.6
55°	155.7	155.7	158.0	158.0	159.6	158.8	159.6	159.6	159.6	159.6	160.4
57.5°	116.1	117.0	119.3	117.7	117.0	118.5	117.0	118.5	117.7	119.3	117.0
60°	89.3	89.3	90.1	90.1	90.9	90.9	90.9	90.1	90.1	89.3	89.3
62.5°	67.2	67.9	68.8	67.9	67.9	67.9	67.2	67.2	66.4	65.6	65.6
65°	45.0	44.3	45.8	44.3	45.0	45.0	44.3	45.0	42.7	43.5	42.7
67.5°	32.4	31.6	30.8	31.6	30.8	30.0	30.0	30.8	31.6	29.2	29.2
70°	21.3	22.1	21.3	22.1	22.9	22.9	22.1	21.3	22.1	20.6	21.3
72.5°	13.4	13.4	13.4	13.4	13.4	14.2	14.2	14.2	12.7	12.7	11.8
75°	6.3	8.7	7.1	6.3	8.7	8.7	7.9	7.9	7.1	7.1	7.1
77.5°	6.3	4.7	4.7	4.7	4.7	4.7	4.7	4.7	3.9	4.7	3.9
80°	3.2	3.2	3.2	2.4	3.2	3.2	3.9	3.2	3.2	2.4	3.9
82.5°	1.6	1.6	1.6	0.0	0.8	1.6	1.6	0.8	1.6	1.6	0.8
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: P246009

CATALOG NUMBER: LD8B30D010 ER8B30940 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3
2.5°	1636.5	1635.7	1636.5	1637.3	1636.5	1635.7	1636.5	1637.3	1634.1	1633.4	1634.9
5°	1671.3	1671.3	1672.9	1673.7	1672.9	1671.3	1671.3	1668.1	1665.8	1663.4	1662.6
7.5°	1701.3	1702.9	1704.5	1705.2	1704.5	1702.9	1701.3	1696.6	1691.8	1687.9	1684.7
10°	1719.5	1721.9	1725.0	1726.6	1725.0	1721.9	1719.5	1714.0	1707.6	1701.3	1696.6
12.5°	1727.4	1729.8	1733.7	1732.9	1733.7	1729.8	1727.4	1719.5	1712.4	1703.7	1696.6
15°	1721.9	1725.0	1729.0	1730.6	1729.0	1725.0	1721.9	1714.0	1707.6	1698.2	1691.0
17.5°	1704.5	1709.2	1711.6	1714.0	1711.6	1709.2	1704.5	1698.2	1689.5	1681.6	1674.4
20°	1680.8	1683.9	1687.1	1687.9	1687.1	1683.9	1680.8	1673.7	1660.2	1658.6	1653.1
22.5°	1646.8	1649.2	1656.3	1653.9	1656.3	1649.2	1646.8	1640.5	1635.7	1627.0	1621.5
25°	1597.8	1600.2	1601.0	1601.8	1601.0	1600.2	1597.8	1592.3	1587.5	1581.2	1578.0
27.5°	1513.2	1513.2	1514.8	1515.6	1514.8	1513.2	1513.2	1509.3	1506.1	1503.0	1499.8
30°	1385.2	1385.2	1385.2	1389.2	1385.2	1385.2	1385.2	1384.4	1384.4	1385.2	1385.2
32.5°	1237.5	1235.9	1234.3	1235.9	1234.3	1235.9	1237.5	1238.2	1237.5	1239.8	1243.8
35°	1069.9	1069.1	1071.5	1068.4	1071.5	1069.1	1069.9	1069.9	1073.1	1076.3	1077.1
37.5°	909.5	907.9	911.1	907.9	911.1	907.9	909.5	908.7	907.9	909.5	907.2
40°	757.0	758.6	758.6	764.9	758.6	758.6	757.0	755.4	749.9	746.8	743.6
42.5°	610.8	615.6	614.0	618.7	614.0	615.6	610.8	607.7	601.3	595.8	591.1
45°	472.5	475.7	475.7	477.3	475.7	475.7	472.5	469.4	463.8	459.1	455.9
47.5°	362.7	362.7	362.7	363.5	362.7	362.7	362.7	357.2	355.6	352.4	348.5
50°	275.8	276.6	277.4	278.2	277.4	276.6	275.8	274.2	273.4	271.8	271.0
52.5°	211.8	212.6	211.0	212.6	211.0	212.6	211.8	212.6	210.2	210.2	209.4
55°	160.4	159.6	160.4	161.2	160.4	159.6	160.4	160.4	159.6	159.6	159.6
57.5°	117.7	116.1	116.1	116.1	116.1	116.1	117.7	117.0	119.3	117.7	118.5
60°	87.7	88.5	88.5	89.3	88.5	88.5	87.7	89.3	89.3	90.1	90.1
62.5°	64.8	67.2	65.6	67.2	65.6	67.2	64.8	65.6	65.6	66.4	67.2
65°	41.9	41.9	41.9	42.7	41.9	41.9	41.9	42.7	43.5	42.7	45.0
67.5°	28.5	29.2	30.8	30.0	30.8	29.2	28.5	29.2	29.2	31.6	30.8
70°	22.9	20.6	20.6	22.9	20.6	20.6	22.9	21.3	20.6	22.1	21.3
72.5°	13.4	11.8	13.4	13.4	13.4	11.8	13.4	11.8	12.7	12.7	14.2
75°	7.1	6.3	5.5	7.9	5.5	6.3	7.1	7.1	7.1	7.1	7.9
77.5°	4.7	3.9	5.5	5.5	5.5	3.9	4.7	3.9	4.7	3.9	4.7
80°	2.4	3.2	2.4	3.9	2.4	3.2	2.4	3.9	2.4	3.2	3.2
82.5°	0.8	1.6	1.6	1.6	1.6	1.6	0.8	0.8	1.6	1.6	0.8
85°	0.0	1.6	0.8	0.8	0.8	1.6	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	0.0	0.0	0.8	0.0	0.0	0.8	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: P246009

CATALOG NUMBER: LD8B30D010 ER8B30940 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3
2.5°	1634.9	1632.6	1633.4	1628.6	1628.6	1627.0	1627.8	1623.9	1622.3	1620.7	1623.1
5°	1658.6	1654.7	1651.5	1644.4	1640.5	1635.7	1633.4	1627.0	1621.5	1616.7	1616.0
7.5°	1677.6	1668.9	1663.4	1653.9	1646.8	1641.3	1633.4	1624.6	1617.6	1611.2	1606.5
10°	1685.5	1676.8	1668.1	1656.3	1648.4	1638.1	1630.2	1619.1	1609.7	1601.0	1595.4
12.5°	1686.3	1675.2	1667.3	1653.9	1643.6	1632.6	1623.9	1611.2	1600.2	1591.5	1582.8
15°	1679.2	1668.9	1659.4	1645.2	1634.9	1624.6	1614.4	1601.0	1590.7	1580.4	1574.1
17.5°	1663.4	1653.9	1642.8	1629.4	1619.9	1610.4	1599.4	1588.3	1576.4	1565.4	1557.5
20°	1642.8	1632.6	1623.1	1609.7	1601.8	1591.5	1581.2	1569.4	1559.9	1548.8	1540.1
22.5°	1612.0	1602.5	1593.8	1585.9	1573.3	1565.4	1558.3	1544.9	1535.4	1525.1	1515.6
25°	1567.8	1558.3	1551.2	1541.7	1536.1	1527.5	1520.3	1508.5	1499.8	1490.3	1482.4
27.5°	1495.1	1489.5	1485.6	1480.0	1475.3	1471.4	1467.4	1457.9	1451.6	1442.9	1435.0
30°	1386.0	1385.2	1382.9	1380.5	1383.6	1383.6	1383.6	1382.1	1376.5	1370.2	1364.7
32.5°	1246.2	1247.7	1250.9	1253.3	1259.6	1266.7	1273.0	1276.2	1276.2	1272.2	1269.9
35°	1079.4	1081.8	1086.5	1092.9	1100.8	1109.4	1123.7	1126.8	1129.2	1129.2	1126.0
37.5°	906.4	905.6	910.3	915.9	920.6	926.9	937.2	939.6	943.5	941.9	938.8
40°	738.0	734.1	732.5	734.1	739.6	737.3	739.6	738.0	738.0	732.5	732.5
42.5°	582.4	577.7	574.5	572.1	572.1	566.6	562.6	558.7	556.3	552.3	551.6
45°	448.9	443.3	439.4	437.8	435.4	428.3	423.5	418.8	413.3	411.7	412.5
47.5°	348.5	342.9	341.4	337.4	333.5	329.5	326.4	320.8	320.0	316.9	320.0
50°	268.7	267.1	264.7	263.1	260.8	257.6	254.4	251.3	249.7	249.7	250.5
52.5°	208.6	209.4	207.0	204.7	203.1	203.1	199.1	198.3	198.3	195.2	198.3
55°	159.6	158.8	159.6	158.0	158.0	155.7	155.7	153.3	153.3	150.9	152.5
57.5°	117.0	118.5	117.0	117.7	119.3	117.0	116.1	113.8	115.4	113.8	114.6
60°	90.9	90.9	90.9	90.1	90.1	89.3	89.3	88.5	88.5	86.9	88.5
62.5°	67.2	67.9	67.9	67.9	68.8	67.9	67.2	67.9	67.2	67.2	67.9
65°	44.3	45.0	45.0	44.3	45.8	44.3	45.0	45.8	46.6	45.8	46.6
67.5°	30.0	30.0	30.8	31.6	30.8	31.6	32.4	31.6	32.4	34.0	32.4
70°	22.1	22.9	22.9	22.1	21.3	22.1	21.3	23.7	23.7	23.7	25.3
72.5°	14.2	14.2	13.4	13.4	13.4	13.4	13.4	15.8	14.2	13.4	15.0
75°	7.9	8.7	8.7	6.3	7.1	8.7	6.3	7.1	9.5	7.9	9.5
77.5°	4.7	4.7	4.7	4.7	4.7	4.7	6.3	5.5	5.5	5.5	6.3
80°	3.9	3.2	3.2	2.4	3.2	3.2	3.2	4.7	3.9	3.9	4.7
82.5°	1.6	1.6	0.8	0.0	1.6	1.6	1.6	1.6	1.6	1.6	3.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	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: P246009

CATALOG NUMBER: LD8B30D010 ER8B30940 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3
2.5°	1616.7	1616.7	1616.0	1614.4	1611.2	1611.2	1610.4	1608.1	1606.5	1605.7	1605.7
5°	1608.8	1605.7	1602.5	1593.8	1593.8	1592.3	1587.5	1584.4	1582.8	1578.8	1577.3
7.5°	1601.8	1592.3	1586.7	1581.2	1574.1	1570.9	1565.4	1563.0	1557.5	1553.5	1551.2
10°	1584.4	1578.0	1570.9	1562.2	1556.7	1550.4	1544.1	1539.3	1532.2	1528.2	1525.1
12.5°	1572.5	1563.0	1556.7	1547.2	1537.7	1532.2	1523.5	1518.0	1510.9	1503.0	1498.2
15°	1561.5	1551.2	1542.5	1532.2	1521.9	1515.6	1505.3	1499.0	1488.8	1480.9	1475.3
17.5°	1544.9	1536.1	1526.7	1514.0	1504.6	1496.7	1485.6	1477.7	1468.2	1457.9	1452.4
20°	1527.5	1517.2	1507.7	1495.1	1485.6	1476.1	1465.0	1456.4	1445.3	1435.8	1429.5
22.5°	1504.6	1492.7	1484.8	1472.1	1461.1	1450.8	1440.6	1430.3	1420.0	1412.1	1405.0
25°	1471.4	1458.7	1450.0	1439.7	1429.5	1421.6	1408.9	1402.6	1392.4	1385.2	1378.1
27.5°	1423.9	1414.5	1406.6	1396.3	1387.6	1381.3	1371.8	1365.5	1356.8	1350.5	1344.9
30°	1354.4	1346.5	1339.4	1329.1	1322.8	1317.3	1308.6	1303.0	1296.7	1289.6	1288.0
32.5°	1261.2	1254.8	1247.7	1240.6	1235.9	1232.7	1225.6	1222.4	1216.1	1212.2	1208.2
35°	1120.5	1115.0	1111.0	1107.9	1106.3	1107.1	1105.5	1108.7	1110.2	1109.4	1110.2
37.5°	936.4	933.2	934.8	937.2	945.1	955.4	964.8	979.1	988.5	998.0	1006.7
40°	730.9	733.3	739.6	753.8	774.4	797.3	818.7	845.5	872.4	891.4	908.7
42.5°	551.6	558.7	574.5	595.0	625.9	659.8	693.0	732.5	764.9	796.5	818.7
45°	414.9	424.3	444.9	473.3	507.3	546.8	588.7	632.9	671.7	704.1	728.6
47.5°	323.2	331.9	352.4	382.5	424.3	465.4	508.9	554.7	595.0	626.6	648.0
50°	255.2	266.3	284.5	316.1	358.0	401.4	446.5	491.5	529.5	556.3	575.3
52.5°	200.7	211.0	228.4	261.6	304.2	347.7	389.6	433.8	467.0	493.1	505.7
55°	155.7	165.2	183.3	211.0	251.3	294.0	335.8	373.8	404.6	423.5	435.4
57.5°	118.5	125.6	138.3	165.9	202.3	241.8	277.4	315.3	339.0	352.4	360.3
60°	90.1	95.6	109.1	130.4	163.6	197.6	227.6	256.0	275.0	286.1	294.0
62.5°	67.9	74.3	83.8	101.9	127.2	154.9	180.2	201.5	217.3	224.4	230.0
65°	46.6	51.4	58.5	72.7	94.0	113.8	133.5	149.4	159.6	167.5	170.7
67.5°	34.8	37.9	41.9	53.0	67.9	83.8	97.2	108.2	119.3	122.5	128.0
70°	26.1	28.5	32.4	40.3	49.0	60.0	71.1	77.4	85.3	90.9	92.5
72.5°	16.6	17.4	21.3	26.1	33.2	40.3	47.4	53.0	57.7	60.9	62.4
75°	9.5	14.2	14.2	19.0	23.7	26.9	31.6	35.6	37.9	40.3	40.3
77.5°	6.3	8.7	9.5	11.8	14.2	18.2	22.1	24.5	26.9	27.6	27.6
80°	5.5	6.3	6.3	8.7	10.3	13.4	15.8	16.6	18.2	19.0	20.6
82.5°	2.4	3.2	3.9	6.3	7.1	7.1	9.5	10.3	11.8	12.7	12.7
85°	0.8	1.6	1.6	2.4	3.9	4.7	5.5	6.3	7.1	7.1	7.9
87.5°	0.8	0.8	0.0	0.8	1.6	1.6	3.2	3.2	3.2	4.7	4.7
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: P246009

CATALOG NUMBER: LD8B30D010 ER8B30940 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3	1618.3
2.5°	1604.1	1604.9	1601.8	1601.0	1599.4	1600.2	1601.8
5°	1574.9	1575.7	1572.5	1569.4	1569.4	1568.5	1569.4
7.5°	1547.2	1548.0	1543.3	1541.7	1538.5	1539.3	1539.3
10°	1519.6	1519.6	1512.5	1511.7	1509.3	1508.5	1508.5
12.5°	1492.7	1490.3	1484.8	1481.6	1483.2	1478.5	1478.5
15°	1469.0	1465.0	1457.9	1455.5	1451.6	1450.0	1450.0
17.5°	1444.5	1441.3	1435.0	1430.3	1425.5	1424.7	1425.5
20°	1420.8	1417.6	1409.7	1406.6	1402.6	1402.6	1401.0
22.5°	1397.1	1393.9	1386.8	1384.4	1378.9	1378.9	1379.7
25°	1372.6	1370.2	1362.3	1360.7	1360.0	1356.8	1358.4
27.5°	1339.4	1337.8	1331.5	1329.1	1326.0	1325.2	1326.7
30°	1278.5	1276.2	1271.5	1269.1	1263.6	1264.3	1265.9
32.5°	1202.7	1199.5	1193.2	1190.8	1186.1	1184.5	1185.3
35°	1107.9	1105.5	1100.0	1100.0	1095.2	1093.6	1095.2
37.5°	1011.5	1013.8	1011.5	1013.8	1011.5	1010.7	1011.5
40°	920.6	929.3	930.8	939.6	936.4	941.1	940.3
42.5°	833.7	847.9	853.4	860.5	859.0	862.1	864.5
45°	745.9	757.8	763.3	768.1	768.9	770.5	771.2
47.5°	663.0	672.5	673.2	678.8	678.0	678.0	680.4
50°	585.6	591.9	593.4	597.4	594.2	592.6	593.4
52.5°	513.6	520.0	518.4	520.0	516.0	514.4	515.2
55°	440.1	443.3	443.3	443.3	438.6	438.6	438.6
57.5°	365.1	365.9	364.3	365.1	364.3	359.5	358.8
60°	296.3	296.3	295.5	296.3	294.0	291.6	291.6
62.5°	231.5	233.1	236.3	233.1	231.5	233.1	230.7
65°	173.1	176.2	175.4	177.0	176.2	176.2	174.6
67.5°	130.4	131.2	132.0	132.8	132.8	132.8	132.8
70°	95.6	98.0	97.2	97.2	97.2	97.2	101.9
72.5°	64.0	67.2	66.4	67.9	67.9	69.5	67.9
75°	43.5	46.6	45.0	47.4	46.6	45.0	49.0
77.5°	29.2	30.8	31.6	32.4	31.6	30.8	31.6
80°	20.6	22.1	21.3	22.1	22.1	22.1	22.9
82.5°	12.7	15.0	14.2	15.0	14.2	15.0	15.0
85°	8.7	9.5	7.9	9.5	8.7	8.7	10.3
87.5°	5.5	4.7	4.7	5.5	4.7	5.5	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)