

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: P244575

Luminaire Tested: **LD8B30D010 ER8B30950 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244575
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 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2853.0 lumens
Efficiency: N/A
Efficacy: 105.3 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

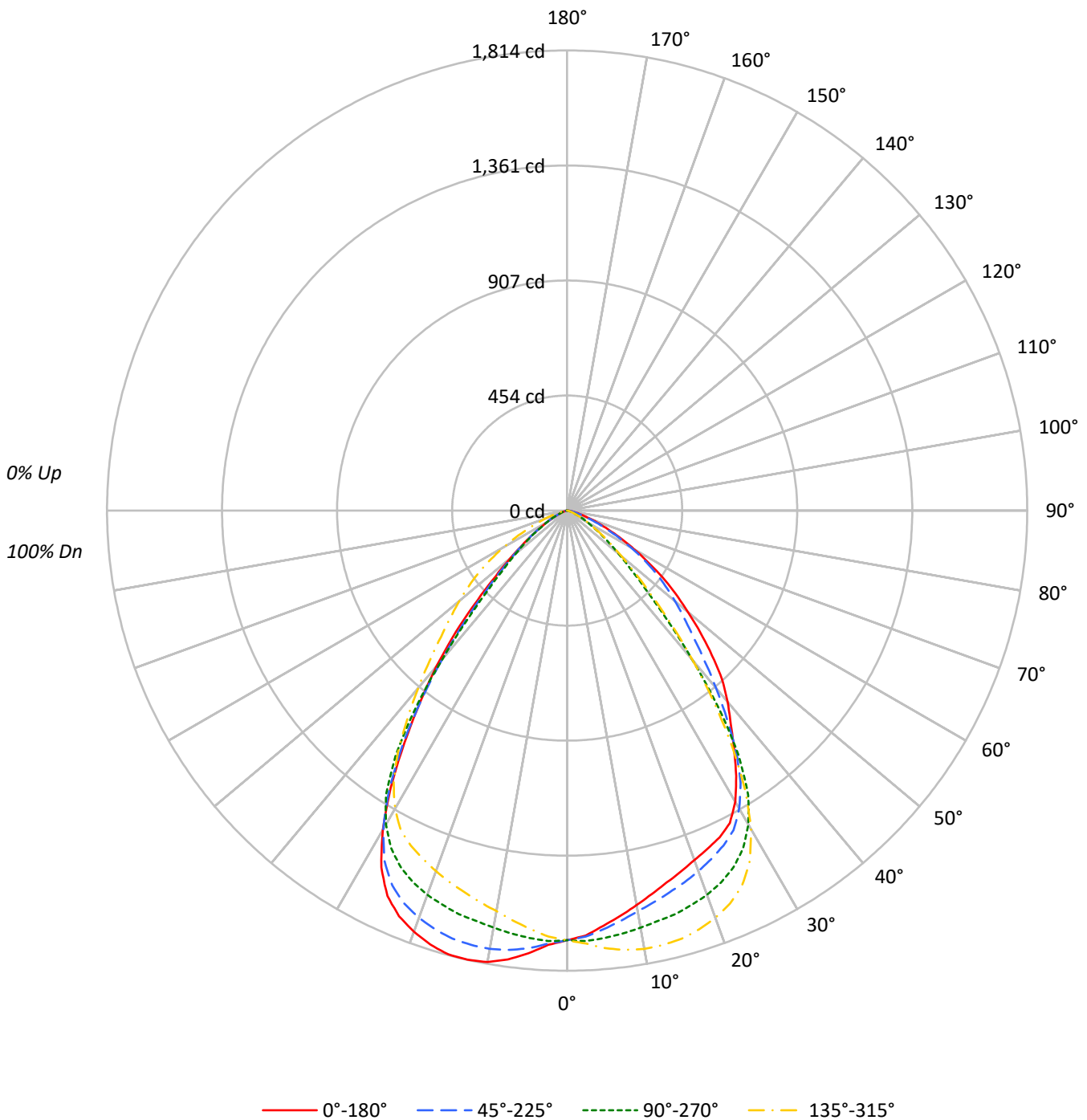
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	52227	52227	52227	52227
5°	50842	52353	54219	52353
10°	49435	52282	56581	52282
15°	48448	52592	57821	52592
20°	48117	52895	57968	52895
25°	48369	52788	57038	52788
30°	47175	50857	51769	50857
35°	43152	44364	42090	44364
40°	39618	30859	32227	30859
45°	35201	18826	21783	18826
50°	29796	12574	13965	12574
55°	24677	8580	9070	8580
60°	18822	5711	5760	5711
65°	13338	3561	3262	3561
70°	9620	2380	2164	2380
75°	6112	1180	989	1180
80°	4262	888	728	888
85°	3821	0	283	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.2	5.7
10°-20°	466.8	16.4
20°-30°	706.9	24.8
30°-40°	708.5	24.8
40°-50°	444.9	15.6
50°-60°	237.1	8.3
60°-70°	97.5	3.4
70°-80°	25.8	0.9
80°-90°	4.4	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°	1334.9	46.8
0°-40°	2043.4	71.6
0°-60°	2725.4	95.5
0°-90°	2853.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2853.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1694	1694	1694	1694	1694	
5°	1642	1691	1752	1691	1642	155
15°	1518	1647	1811	1647	1518	429
25°	1422	1552	1676	1552	1422	652
35°	1146	1178	1118	1178	1146	718
45°	807	432	500	432	807	621
55°	459	160	169	160	459	409
65°	183	49	45	49	183	190
75°	51	10	8	10	51	58
85°	11	0	1	0	11	12
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°	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7
2.5°	1676.4	1674.7	1673.9	1675.6	1676.4	1679.7	1678.9	1680.5	1680.5	1681.3	1683.0
5°	1642.5	1641.6	1642.5	1642.5	1645.8	1649.1	1648.3	1650.7	1652.4	1656.5	1658.2
7.5°	1611.1	1611.1	1610.2	1613.5	1615.2	1620.1	1619.3	1623.4	1625.9	1630.0	1635.8
10°	1578.8	1578.8	1579.6	1582.1	1582.9	1590.4	1590.4	1596.1	1599.4	1603.6	1611.1
12.5°	1547.4	1547.4	1552.3	1550.7	1554.0	1559.8	1562.2	1568.0	1573.0	1581.3	1588.7
15°	1517.6	1517.6	1519.2	1523.4	1525.8	1533.3	1537.4	1544.1	1549.8	1558.1	1568.9
17.5°	1491.9	1491.1	1491.9	1496.9	1501.9	1508.5	1511.8	1520.1	1525.8	1536.6	1546.5
20°	1466.3	1468.0	1468.0	1472.1	1475.4	1483.7	1487.0	1496.1	1502.7	1512.6	1524.2
22.5°	1444.0	1443.2	1443.2	1448.9	1451.4	1458.9	1462.2	1470.4	1477.9	1486.2	1496.9
25°	1421.6	1420.0	1423.3	1424.1	1425.8	1434.0	1436.5	1442.3	1449.8	1457.2	1468.0
27.5°	1388.6	1386.9	1387.7	1391.0	1393.5	1400.1	1401.8	1407.6	1413.4	1420.0	1429.1
30°	1324.9	1323.2	1322.4	1328.2	1330.7	1335.6	1338.1	1348.1	1349.7	1357.1	1363.7
32.5°	1240.5	1239.7	1241.4	1246.3	1248.8	1255.4	1258.7	1264.5	1268.6	1272.8	1279.4
35°	1146.3	1144.6	1146.3	1151.2	1151.2	1157.0	1159.5	1161.9	1161.1	1161.9	1160.3
37.5°	1058.6	1057.8	1058.6	1061.1	1058.6	1061.1	1058.6	1053.6	1044.5	1034.6	1024.7
40°	984.2	985.0	980.0	983.3	974.2	972.6	963.5	951.1	932.9	913.0	884.9
42.5°	904.8	902.3	899.0	900.6	893.2	887.4	872.5	856.8	833.6	800.6	766.6
45°	807.2	806.4	804.7	803.9	798.9	793.1	780.7	762.5	736.9	703.0	662.4
47.5°	712.1	709.6	709.6	710.4	704.6	703.8	693.9	678.2	655.8	622.7	580.6
50°	621.1	620.3	621.9	625.2	621.1	619.4	612.8	602.1	582.2	554.1	514.4
52.5°	539.2	538.4	540.1	544.2	542.5	544.2	537.6	529.3	516.1	488.8	454.0
55°	459.0	459.0	459.0	463.9	463.9	463.9	460.6	455.7	443.3	423.4	391.2
57.5°	375.5	376.3	381.3	382.1	381.3	382.9	382.1	377.1	368.9	354.8	330.0
60°	305.2	305.2	307.7	310.1	309.3	310.1	310.1	307.7	299.4	287.8	268.0
62.5°	241.5	244.0	242.3	244.0	247.3	244.0	242.3	240.7	234.9	227.4	210.9
65°	182.8	184.4	184.4	185.3	183.6	184.4	181.1	178.6	175.3	167.1	156.3
67.5°	139.0	139.0	139.0	139.0	138.1	137.3	136.5	134.0	128.2	124.9	113.3
70°	106.7	101.7	101.7	101.7	101.7	102.6	100.1	96.8	95.1	89.3	81.1
72.5°	71.1	72.8	71.1	71.1	69.5	70.3	67.0	65.3	63.7	60.4	55.4
75°	51.3	47.1	48.8	49.6	47.1	48.8	45.5	42.2	42.2	39.7	37.2
77.5°	33.1	32.3	33.1	33.9	33.1	32.3	30.6	28.9	28.9	28.1	25.6
80°	24.0	23.1	23.1	23.1	22.3	23.1	21.5	21.5	19.8	19.0	17.4
82.5°	15.7	15.7	14.9	15.7	14.9	15.7	13.2	13.2	13.2	12.4	10.8
85°	10.8	9.1	9.1	9.9	8.3	9.9	9.1	8.3	7.5	7.5	6.6
87.5°	5.0	5.8	5.0	5.8	5.0	5.0	5.8	5.0	5.0	3.3	3.3
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7
2.5°	1685.5	1686.3	1686.3	1689.6	1691.3	1692.1	1692.1	1698.7	1696.2	1697.9	1699.5
5°	1661.5	1666.4	1668.1	1668.1	1677.2	1680.5	1683.8	1691.3	1692.1	1697.0	1702.8
7.5°	1638.3	1644.1	1647.4	1654.9	1660.6	1666.4	1676.4	1681.3	1686.3	1692.9	1700.3
10°	1616.0	1622.6	1629.2	1635.0	1644.1	1651.6	1658.2	1669.7	1675.6	1684.6	1694.6
12.5°	1594.5	1603.6	1609.4	1619.3	1629.2	1635.8	1645.8	1656.5	1665.6	1674.7	1686.3
15°	1575.5	1586.2	1592.8	1603.6	1614.4	1623.4	1634.2	1647.4	1654.0	1664.8	1675.6
17.5°	1554.8	1566.4	1574.7	1584.6	1597.8	1607.7	1616.8	1630.0	1638.3	1649.9	1662.3
20°	1533.3	1544.9	1554.8	1564.7	1578.0	1587.9	1598.6	1611.9	1621.0	1632.5	1642.5
22.5°	1507.7	1518.4	1529.1	1540.7	1554.0	1562.2	1574.7	1586.2	1596.1	1606.9	1616.8
25°	1474.6	1487.8	1496.1	1506.8	1517.6	1526.7	1539.9	1551.5	1559.8	1569.7	1578.8
27.5°	1435.7	1445.6	1452.3	1461.3	1472.1	1480.4	1490.3	1501.9	1510.2	1519.2	1525.8
30°	1369.5	1378.7	1384.4	1391.0	1401.8	1409.3	1417.5	1428.3	1434.0	1440.7	1446.5
32.5°	1282.7	1290.1	1293.4	1298.4	1305.9	1313.3	1319.9	1329.0	1331.5	1335.6	1335.6
35°	1157.0	1158.6	1157.8	1159.5	1162.8	1166.9	1172.7	1178.5	1181.8	1181.8	1179.3
37.5°	1009.8	999.9	989.1	980.9	978.4	976.7	980.0	982.5	985.8	987.5	983.3
40°	856.8	834.5	810.5	789.0	774.1	767.5	765.0	766.6	766.6	772.4	772.4
42.5°	725.3	690.6	655.0	622.7	601.2	584.7	577.3	577.3	578.1	582.2	584.7
45°	616.1	572.3	530.9	495.4	465.6	444.1	434.2	431.7	430.9	432.5	438.3
47.5°	532.6	487.1	444.1	400.3	368.9	347.4	338.3	334.9	331.6	334.9	335.8
50°	467.3	420.1	374.7	330.8	297.7	278.7	267.1	262.1	261.3	261.3	263.0
52.5°	407.7	363.9	318.4	273.8	239.0	220.8	210.1	207.6	204.3	207.6	207.6
55°	351.5	307.7	263.0	220.8	191.9	172.9	162.9	159.6	157.9	160.4	160.4
57.5°	290.3	253.1	211.7	173.7	144.7	131.5	124.0	119.9	119.1	120.7	119.1
60°	238.2	206.8	171.2	136.5	114.1	100.1	94.3	92.6	91.0	92.6	92.6
62.5°	188.6	162.1	133.1	106.7	87.7	77.7	71.1	71.1	70.3	70.3	71.1
65°	139.8	119.1	98.4	76.1	61.2	53.8	48.8	48.8	48.0	48.8	48.0
67.5°	101.7	87.7	71.1	55.4	43.8	39.7	36.4	33.9	35.6	33.9	33.1
70°	74.4	62.8	51.3	42.2	33.9	29.8	27.3	26.4	24.8	24.8	24.8
72.5°	49.6	42.2	34.7	27.3	22.3	18.2	17.4	15.7	14.1	14.9	16.5
75°	33.1	28.1	24.8	19.8	14.9	14.9	9.9	9.9	8.3	9.9	7.5
77.5°	23.1	19.0	14.9	12.4	9.9	9.1	6.6	6.6	5.8	5.8	5.8
80°	16.5	14.1	10.8	9.1	6.6	6.6	5.8	5.0	4.1	4.1	5.0
82.5°	9.9	7.5	7.5	6.6	4.1	3.3	2.5	3.3	1.7	1.7	1.7
85°	5.8	5.0	4.1	2.5	1.7	1.7	0.8	0.0	0.8	0.8	0.0
87.5°	3.3	1.7	1.7	0.8	0.0	0.8	0.8	0.0	0.0	0.0	1.7
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°	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7
2.5°	1703.7	1702.8	1704.5	1704.5	1709.5	1708.6	1711.1	1711.1	1709.5	1710.3	1713.6
5°	1709.5	1711.9	1716.9	1721.0	1728.5	1731.8	1735.9	1740.1	1740.9	1743.4	1745.9
7.5°	1709.5	1717.7	1723.5	1730.9	1740.9	1746.7	1755.8	1763.2	1766.5	1770.6	1775.6
10°	1706.1	1714.4	1725.2	1733.4	1745.9	1754.9	1764.0	1775.6	1780.6	1787.2	1793.8
12.5°	1699.5	1708.6	1720.2	1730.9	1745.0	1753.3	1764.8	1775.6	1783.1	1792.1	1799.6
15°	1689.6	1700.3	1711.1	1721.9	1736.7	1746.7	1757.4	1769.8	1777.3	1787.2	1793.8
17.5°	1673.9	1685.5	1695.4	1705.3	1719.4	1730.9	1740.9	1752.5	1759.9	1768.2	1777.3
20°	1654.9	1665.6	1676.4	1684.6	1698.7	1708.6	1719.4	1730.1	1735.9	1737.6	1751.6
22.5°	1630.9	1638.3	1646.6	1659.8	1668.1	1677.2	1687.1	1697.0	1702.8	1711.9	1716.9
25°	1591.2	1598.6	1607.7	1613.5	1623.4	1630.9	1640.8	1651.6	1654.9	1661.5	1666.4
27.5°	1535.8	1539.9	1544.1	1549.0	1554.8	1558.9	1564.7	1569.7	1573.0	1576.3	1579.6
30°	1448.1	1448.1	1448.1	1444.8	1447.3	1449.8	1450.6	1449.8	1449.8	1448.9	1448.9
32.5°	1332.3	1325.7	1318.3	1311.7	1309.2	1305.9	1304.2	1301.7	1297.6	1295.1	1295.9
35°	1176.0	1161.1	1152.0	1143.8	1137.2	1132.2	1129.7	1127.2	1126.4	1123.1	1119.8
37.5°	980.9	970.1	963.5	958.5	952.7	947.8	948.6	949.4	951.9	950.2	951.1
40°	774.1	771.6	774.1	768.3	766.6	768.3	772.4	778.2	781.5	784.8	790.6
42.5°	588.8	593.0	598.8	598.8	601.2	604.6	609.5	618.6	623.6	629.3	636.0
45°	443.3	448.2	455.7	458.2	459.8	463.9	469.8	477.2	480.5	485.5	491.2
47.5°	341.6	344.9	349.0	353.1	357.3	358.9	364.7	364.7	368.9	372.2	373.8
50°	266.3	269.6	272.9	275.4	277.1	279.5	281.2	283.7	284.5	286.1	287.0
52.5°	208.4	212.6	212.6	214.2	216.7	219.2	218.3	219.2	220.0	220.0	222.5
55°	162.9	162.9	165.4	165.4	167.1	166.2	167.1	167.1	167.1	167.1	167.9
57.5°	121.6	122.4	124.9	123.2	122.4	124.0	122.4	124.0	123.2	124.9	122.4
60°	93.4	93.4	94.3	94.3	95.1	95.1	95.1	94.3	94.3	93.4	93.4
62.5°	70.3	71.1	72.0	71.1	71.1	71.1	70.3	70.3	69.5	68.6	68.6
65°	47.1	46.3	48.0	46.3	47.1	47.1	46.3	47.1	44.7	45.5	44.7
67.5°	33.9	33.1	32.3	33.1	32.3	31.4	31.4	32.3	33.1	30.6	30.6
70°	22.3	23.1	22.3	23.1	24.0	24.0	23.1	22.3	23.1	21.5	22.3
72.5°	14.1	14.1	14.1	14.1	14.1	14.9	14.9	14.9	13.2	13.2	12.4
75°	6.6	9.1	7.5	6.6	9.1	9.1	8.3	8.3	7.5	7.5	7.5
77.5°	6.6	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.1	5.0	4.1
80°	3.3	3.3	3.3	2.5	3.3	3.3	4.1	3.3	3.3	2.5	4.1
82.5°	1.7	1.7	1.7	0.0	0.8	1.7	1.7	0.8	1.7	1.7	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: P244575

CATALOG NUMBER: LD8B30D010 ER8B30950 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7
2.5°	1712.8	1711.9	1712.8	1713.6	1712.8	1711.9	1712.8	1713.6	1710.3	1709.5	1711.1
5°	1749.2	1749.2	1750.8	1751.6	1750.8	1749.2	1749.2	1745.9	1743.4	1740.9	1740.1
7.5°	1780.6	1782.2	1783.9	1784.7	1783.9	1782.2	1780.6	1775.6	1770.6	1766.5	1763.2
10°	1799.6	1802.1	1805.4	1807.0	1805.4	1802.1	1799.6	1793.8	1787.2	1780.6	1775.6
12.5°	1807.9	1810.4	1814.5	1813.7	1814.5	1810.4	1807.9	1799.6	1792.1	1783.1	1775.6
15°	1802.1	1805.4	1809.5	1811.2	1809.5	1805.4	1802.1	1793.8	1787.2	1777.3	1769.8
17.5°	1783.9	1788.8	1791.3	1793.8	1791.3	1788.8	1783.9	1777.3	1768.2	1759.9	1752.5
20°	1759.1	1762.4	1765.7	1766.5	1765.7	1762.4	1759.1	1751.6	1737.6	1735.9	1730.1
22.5°	1723.5	1726.0	1733.4	1730.9	1733.4	1726.0	1723.5	1716.9	1711.9	1702.8	1697.0
25°	1672.2	1674.7	1675.6	1676.4	1675.6	1674.7	1672.2	1666.4	1661.5	1654.9	1651.6
27.5°	1583.7	1583.7	1585.4	1586.2	1585.4	1583.7	1583.7	1579.6	1576.3	1573.0	1569.7
30°	1449.8	1449.8	1449.8	1453.9	1449.8	1449.8	1449.8	1448.9	1448.9	1449.8	1449.8
32.5°	1295.1	1293.4	1291.8	1293.4	1291.8	1293.4	1295.1	1295.9	1295.1	1297.6	1301.7
35°	1119.8	1119.0	1121.4	1118.1	1121.4	1119.0	1119.8	1119.8	1123.1	1126.4	1127.2
37.5°	951.9	950.2	953.6	950.2	953.6	950.2	951.9	951.1	950.2	951.9	949.4
40°	792.3	793.9	793.9	800.6	793.9	793.9	792.3	790.6	784.8	781.5	778.2
42.5°	639.3	644.3	642.6	647.6	642.6	644.3	639.3	636.0	629.3	623.6	618.6
45°	494.5	497.9	497.9	499.5	497.9	497.9	494.5	491.2	485.5	480.5	477.2
47.5°	379.6	379.6	379.6	380.4	379.6	379.6	379.6	373.8	372.2	368.9	364.7
50°	288.6	289.4	290.3	291.1	290.3	289.4	288.6	287.0	286.1	284.5	283.7
52.5°	221.6	222.5	220.8	222.5	220.8	222.5	221.6	222.5	220.0	220.0	219.2
55°	167.9	167.1	167.9	168.7	167.9	167.1	167.9	167.9	167.1	167.1	167.1
57.5°	123.2	121.6	121.6	121.6	121.6	121.6	123.2	122.4	124.9	123.2	124.0
60°	91.8	92.6	92.6	93.4	92.6	92.6	91.8	93.4	93.4	94.3	94.3
62.5°	67.8	70.3	68.6	70.3	68.6	70.3	67.8	68.6	68.6	69.5	70.3
65°	43.8	43.8	43.8	44.7	43.8	43.8	43.8	44.7	45.5	44.7	47.1
67.5°	29.8	30.6	32.3	31.4	32.3	30.6	29.8	30.6	30.6	33.1	32.3
70°	24.0	21.5	21.5	24.0	21.5	21.5	24.0	22.3	21.5	23.1	22.3
72.5°	14.1	12.4	14.1	14.1	14.1	12.4	14.1	12.4	13.2	13.2	14.9
75°	7.5	6.6	5.8	8.3	5.8	6.6	7.5	7.5	7.5	7.5	8.3
77.5°	5.0	4.1	5.8	5.8	5.8	4.1	5.0	4.1	5.0	4.1	5.0
80°	2.5	3.3	2.5	4.1	2.5	3.3	2.5	4.1	2.5	3.3	3.3
82.5°	0.8	1.7	1.7	1.7	1.7	1.7	0.8	0.8	1.7	1.7	0.8
85°	0.0	1.7	0.8	0.8	0.8	1.7	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: P244575

CATALOG NUMBER: LD8B30D010 ER8B30950 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7
2.5°	1711.1	1708.6	1709.5	1704.5	1704.5	1702.8	1703.7	1699.5	1697.9	1696.2	1698.7
5°	1735.9	1731.8	1728.5	1721.0	1716.9	1711.9	1709.5	1702.8	1697.0	1692.1	1691.3
7.5°	1755.8	1746.7	1740.9	1730.9	1723.5	1717.7	1709.5	1700.3	1692.9	1686.3	1681.3
10°	1764.0	1754.9	1745.9	1733.4	1725.2	1714.4	1706.1	1694.6	1684.6	1675.6	1669.7
12.5°	1764.8	1753.3	1745.0	1730.9	1720.2	1708.6	1699.5	1686.3	1674.7	1665.6	1656.5
15°	1757.4	1746.7	1736.7	1721.9	1711.1	1700.3	1689.6	1675.6	1664.8	1654.0	1647.4
17.5°	1740.9	1730.9	1719.4	1705.3	1695.4	1685.5	1673.9	1662.3	1649.9	1638.3	1630.0
20°	1719.4	1708.6	1698.7	1684.6	1676.4	1665.6	1654.9	1642.5	1632.5	1621.0	1611.9
22.5°	1687.1	1677.2	1668.1	1659.8	1646.6	1638.3	1630.9	1616.8	1606.9	1596.1	1586.2
25°	1640.8	1630.9	1623.4	1613.5	1607.7	1598.6	1591.2	1578.8	1569.7	1559.8	1551.5
27.5°	1564.7	1558.9	1554.8	1549.0	1544.1	1539.9	1535.8	1525.8	1519.2	1510.2	1501.9
30°	1450.6	1449.8	1447.3	1444.8	1448.1	1448.1	1448.1	1446.5	1440.7	1434.0	1428.3
32.5°	1304.2	1305.9	1309.2	1311.7	1318.3	1325.7	1332.3	1335.6	1335.6	1331.5	1329.0
35°	1129.7	1132.2	1137.2	1143.8	1152.0	1161.1	1176.0	1179.3	1181.8	1181.8	1178.5
37.5°	948.6	947.8	952.7	958.5	963.5	970.1	980.9	983.3	987.5	985.8	982.5
40°	772.4	768.3	766.6	768.3	774.1	771.6	774.1	772.4	772.4	766.6	766.6
42.5°	609.5	604.6	601.2	598.8	598.8	593.0	588.8	584.7	582.2	578.1	577.3
45°	469.8	463.9	459.8	458.2	455.7	448.2	443.3	438.3	432.5	430.9	431.7
47.5°	364.7	358.9	357.3	353.1	349.0	344.9	341.6	335.8	334.9	331.6	334.9
50°	281.2	279.5	277.1	275.4	272.9	269.6	266.3	263.0	261.3	261.3	262.1
52.5°	218.3	219.2	216.7	214.2	212.6	212.6	208.4	207.6	207.6	204.3	207.6
55°	167.1	166.2	167.1	165.4	165.4	162.9	162.9	160.4	160.4	157.9	159.6
57.5°	122.4	124.0	122.4	123.2	124.9	122.4	121.6	119.1	120.7	119.1	119.9
60°	95.1	95.1	95.1	94.3	94.3	93.4	93.4	92.6	92.6	91.0	92.6
62.5°	70.3	71.1	71.1	71.1	72.0	71.1	70.3	71.1	70.3	70.3	71.1
65°	46.3	47.1	47.1	46.3	48.0	46.3	47.1	48.0	48.8	48.0	48.8
67.5°	31.4	31.4	32.3	33.1	32.3	33.1	33.9	33.1	33.9	35.6	33.9
70°	23.1	24.0	24.0	23.1	22.3	23.1	22.3	24.8	24.8	24.8	26.4
72.5°	14.9	14.9	14.1	14.1	14.1	14.1	14.1	16.5	14.9	14.1	15.7
75°	8.3	9.1	9.1	6.6	7.5	9.1	6.6	7.5	9.9	8.3	9.9
77.5°	5.0	5.0	5.0	5.0	5.0	5.0	6.6	5.8	5.8	5.8	6.6
80°	4.1	3.3	3.3	2.5	3.3	3.3	3.3	5.0	4.1	4.1	5.0
82.5°	1.7	1.7	0.8	0.0	1.7	1.7	1.7	1.7	1.7	1.7	3.3
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	1.7	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: P244575

CATALOG NUMBER: LD8B30D010 ER8B30950 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7
2.5°	1692.1	1692.1	1691.3	1689.6	1686.3	1686.3	1685.5	1683.0	1681.3	1680.5	1680.5
5°	1683.8	1680.5	1677.2	1668.1	1668.1	1666.4	1661.5	1658.2	1656.5	1652.4	1650.7
7.5°	1676.4	1666.4	1660.6	1654.9	1647.4	1644.1	1638.3	1635.8	1630.0	1625.9	1623.4
10°	1658.2	1651.6	1644.1	1635.0	1629.2	1622.6	1616.0	1611.1	1603.6	1599.4	1596.1
12.5°	1645.8	1635.8	1629.2	1619.3	1609.4	1603.6	1594.5	1588.7	1581.3	1573.0	1568.0
15°	1634.2	1623.4	1614.4	1603.6	1592.8	1586.2	1575.5	1568.9	1558.1	1549.8	1544.1
17.5°	1616.8	1607.7	1597.8	1584.6	1574.7	1566.4	1554.8	1546.5	1536.6	1525.8	1520.1
20°	1598.6	1587.9	1578.0	1564.7	1554.8	1544.9	1533.3	1524.2	1512.6	1502.7	1496.1
22.5°	1574.7	1562.2	1554.0	1540.7	1529.1	1518.4	1507.7	1496.9	1486.2	1477.9	1470.4
25°	1539.9	1526.7	1517.6	1506.8	1496.1	1487.8	1474.6	1468.0	1457.2	1449.8	1442.3
27.5°	1490.3	1480.4	1472.1	1461.3	1452.3	1445.6	1435.7	1429.1	1420.0	1413.4	1407.6
30°	1417.5	1409.3	1401.8	1391.0	1384.4	1378.7	1369.5	1363.7	1357.1	1349.7	1348.1
32.5°	1319.9	1313.3	1305.9	1298.4	1293.4	1290.1	1282.7	1279.4	1272.8	1268.6	1264.5
35°	1172.7	1166.9	1162.8	1159.5	1157.8	1158.6	1157.0	1160.3	1161.9	1161.1	1161.9
37.5°	980.0	976.7	978.4	980.9	989.1	999.9	1009.8	1024.7	1034.6	1044.5	1053.6
40°	765.0	767.5	774.1	789.0	810.5	834.5	856.8	884.9	913.0	932.9	951.1
42.5°	577.3	584.7	601.2	622.7	655.0	690.6	725.3	766.6	800.6	833.6	856.8
45°	434.2	444.1	465.6	495.4	530.9	572.3	616.1	662.4	703.0	736.9	762.5
47.5°	338.3	347.4	368.9	400.3	444.1	487.1	532.6	580.6	622.7	655.8	678.2
50°	267.1	278.7	297.7	330.8	374.7	420.1	467.3	514.4	554.1	582.2	602.1
52.5°	210.1	220.8	239.0	273.8	318.4	363.9	407.7	454.0	488.8	516.1	529.3
55°	162.9	172.9	191.9	220.8	263.0	307.7	351.5	391.2	423.4	443.3	455.7
57.5°	124.0	131.5	144.7	173.7	211.7	253.1	290.3	330.0	354.8	368.9	377.1
60°	94.3	100.1	114.1	136.5	171.2	206.8	238.2	268.0	287.8	299.4	307.7
62.5°	71.1	77.7	87.7	106.7	133.1	162.1	188.6	210.9	227.4	234.9	240.7
65°	48.8	53.8	61.2	76.1	98.4	119.1	139.8	156.3	167.1	175.3	178.6
67.5°	36.4	39.7	43.8	55.4	71.1	87.7	101.7	113.3	124.9	128.2	134.0
70°	27.3	29.8	33.9	42.2	51.3	62.8	74.4	81.1	89.3	95.1	96.8
72.5°	17.4	18.2	22.3	27.3	34.7	42.2	49.6	55.4	60.4	63.7	65.3
75°	9.9	14.9	14.9	19.8	24.8	28.1	33.1	37.2	39.7	42.2	42.2
77.5°	6.6	9.1	9.9	12.4	14.9	19.0	23.1	25.6	28.1	28.9	28.9
80°	5.8	6.6	6.6	9.1	10.8	14.1	16.5	17.4	19.0	19.8	21.5
82.5°	2.5	3.3	4.1	6.6	7.5	7.5	9.9	10.8	12.4	13.2	13.2
85°	0.8	1.7	1.7	2.5	4.1	5.0	5.8	6.6	7.5	7.5	8.3
87.5°	0.8	0.8	0.0	0.8	1.7	1.7	3.3	3.3	3.3	5.0	5.0
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: P244575

CATALOG NUMBER: LD8B30D010 ER8B30950 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7
2.5°	1678.9	1679.7	1676.4	1675.6	1673.9	1674.7	1676.4
5°	1648.3	1649.1	1645.8	1642.5	1642.5	1641.6	1642.5
7.5°	1619.3	1620.1	1615.2	1613.5	1610.2	1611.1	1611.1
10°	1590.4	1590.4	1582.9	1582.1	1579.6	1578.8	1578.8
12.5°	1562.2	1559.8	1554.0	1550.7	1552.3	1547.4	1547.4
15°	1537.4	1533.3	1525.8	1523.4	1519.2	1517.6	1517.6
17.5°	1511.8	1508.5	1501.9	1496.9	1491.9	1491.1	1491.9
20°	1487.0	1483.7	1475.4	1472.1	1468.0	1468.0	1466.3
22.5°	1462.2	1458.9	1451.4	1448.9	1443.2	1443.2	1444.0
25°	1436.5	1434.0	1425.8	1424.1	1423.3	1420.0	1421.6
27.5°	1401.8	1400.1	1393.5	1391.0	1387.7	1386.9	1388.6
30°	1338.1	1335.6	1330.7	1328.2	1322.4	1323.2	1324.9
32.5°	1258.7	1255.4	1248.8	1246.3	1241.4	1239.7	1240.5
35°	1159.5	1157.0	1151.2	1151.2	1146.3	1144.6	1146.3
37.5°	1058.6	1061.1	1058.6	1061.1	1058.6	1057.8	1058.6
40°	963.5	972.6	974.2	983.3	980.0	985.0	984.2
42.5°	872.5	887.4	893.2	900.6	899.0	902.3	904.8
45°	780.7	793.1	798.9	803.9	804.7	806.4	807.2
47.5°	693.9	703.8	704.6	710.4	709.6	709.6	712.1
50°	612.8	619.4	621.1	625.2	621.9	620.3	621.1
52.5°	537.6	544.2	542.5	544.2	540.1	538.4	539.2
55°	460.6	463.9	463.9	463.9	459.0	459.0	459.0
57.5°	382.1	382.9	381.3	382.1	381.3	376.3	375.5
60°	310.1	310.1	309.3	310.1	307.7	305.2	305.2
62.5°	242.3	244.0	247.3	244.0	242.3	244.0	241.5
65°	181.1	184.4	183.6	185.3	184.4	184.4	182.8
67.5°	136.5	137.3	138.1	139.0	139.0	139.0	139.0
70°	100.1	102.6	101.7	101.7	101.7	101.7	106.7
72.5°	67.0	70.3	69.5	71.1	71.1	72.8	71.1
75°	45.5	48.8	47.1	49.6	48.8	47.1	51.3
77.5°	30.6	32.3	33.1	33.9	33.1	32.3	33.1
80°	21.5	23.1	22.3	23.1	23.1	23.1	24.0
82.5°	13.2	15.7	14.9	15.7	14.9	15.7	15.7
85°	9.1	9.9	8.3	9.9	9.1	9.1	10.8
87.5°	5.8	5.0	5.0	5.8	5.0	5.8	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)