

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: P245951

Luminaire Tested: **LSR8B50D010 EC8B509727 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245951
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: LSR8B50D010 EC8B509727 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2929.0 lumens
Efficiency: N/A
Efficacy: 55.3 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

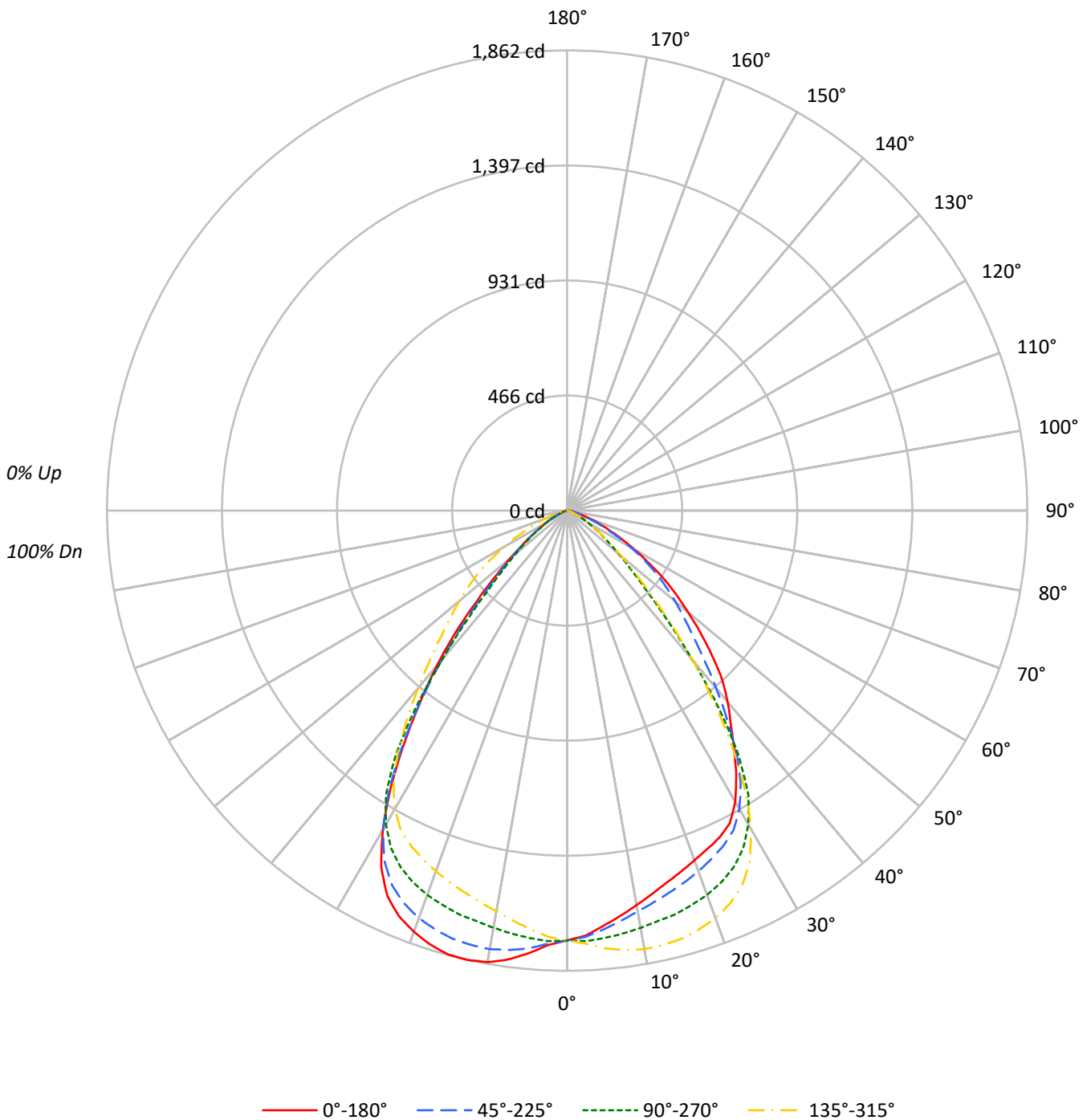
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P245951

CATALOG NUMBER: LSR8B50D010 EC8B509727 8LBSW0B

Luminous Intensity Polar Plot





TEST NUMBER: P245951

CATALOG NUMBER: LSR8B50D010 EC8B509727 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	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: P245951

CATALOG NUMBER: LSR8B50D010 EC8B509727 8LBSW0B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.5	5.7
10°-20°	479.3	16.4
20°-30°	725.7	24.8
30°-40°	727.4	24.8
40°-50°	456.7	15.6
50°-60°	243.4	8.3
60°-70°	100.1	3.4
70°-80°	26.4	0.9
80°-90°	4.5	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°	1370.5	46.8
0°-40°	2097.9	71.6
0°-60°	2798.0	95.5
0°-90°	2929.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2929.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1739	1739	1739	1739	1739	
5°	1686	1736	1798	1736	1686	159
15°	1558	1691	1859	1691	1558	441
25°	1460	1593	1721	1593	1460	669
35°	1177	1210	1148	1210	1177	737
45°	829	443	513	443	829	637
55°	471	164	173	164	471	420
65°	188	50	46	50	188	195
75°	53	10	8	10	53	60
85°	11	0	1	0	11	12
90°	0	0	0	0	0	



TEST NUMBER: P245951

CATALOG NUMBER: LSR8B50D010 EC8B509727 8LBSW0B

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9
2.5°	1721.0	1719.3	1718.5	1720.2	1721.0	1724.4	1723.6	1725.3	1725.3	1726.1	1727.8
5°	1686.2	1685.3	1686.2	1686.2	1689.6	1693.0	1692.2	1694.7	1696.4	1700.7	1702.3
7.5°	1654.0	1654.0	1653.1	1656.5	1658.2	1663.3	1662.4	1666.7	1669.2	1673.5	1679.4
10°	1620.8	1620.8	1621.7	1624.2	1625.1	1632.7	1632.7	1638.7	1642.0	1646.3	1654.0
12.5°	1588.6	1588.6	1593.7	1592.0	1595.4	1601.3	1603.9	1609.8	1614.9	1623.4	1631.0
15°	1558.0	1558.0	1559.7	1563.9	1566.5	1574.1	1578.4	1585.2	1591.1	1599.6	1610.7
17.5°	1531.7	1530.8	1531.7	1536.8	1541.9	1548.7	1552.1	1560.6	1566.5	1577.5	1587.7
20°	1505.4	1507.1	1507.1	1511.3	1514.7	1523.2	1526.6	1535.9	1542.7	1552.9	1564.8
22.5°	1482.4	1481.6	1481.6	1487.5	1490.1	1497.7	1501.1	1509.6	1517.3	1525.7	1536.8
25°	1459.5	1457.8	1461.2	1462.1	1463.7	1472.2	1474.8	1480.7	1488.4	1496.0	1507.1
27.5°	1425.5	1423.9	1424.7	1428.1	1430.7	1437.4	1439.1	1445.1	1451.0	1457.8	1467.2
30°	1360.2	1358.5	1357.6	1363.6	1366.1	1371.2	1373.8	1384.0	1385.6	1393.3	1400.1
32.5°	1273.6	1272.7	1274.4	1279.5	1282.1	1288.9	1292.3	1298.2	1302.4	1306.7	1313.5
35°	1176.8	1175.1	1176.8	1181.9	1181.9	1187.8	1190.4	1192.9	1192.1	1192.9	1191.2
37.5°	1086.8	1085.9	1086.8	1089.3	1086.8	1089.3	1086.8	1081.7	1072.4	1062.2	1052.0
40°	1010.4	1011.2	1006.1	1009.5	1000.2	998.5	989.2	976.4	957.7	937.4	908.5
42.5°	928.9	926.3	922.9	924.6	917.0	911.0	895.7	879.6	855.8	821.9	787.1
45°	828.7	827.8	826.1	825.3	820.2	814.2	801.5	782.8	756.5	721.7	680.1
47.5°	731.0	728.5	728.5	729.3	723.4	722.5	712.3	696.2	673.3	639.3	596.0
50°	637.6	636.8	638.5	641.9	637.6	635.9	629.2	618.1	597.7	568.9	528.1
52.5°	553.6	552.7	554.4	558.7	557.0	558.7	551.9	543.4	529.8	501.8	466.1
55°	471.2	471.2	471.2	476.3	476.3	476.3	472.9	467.8	455.1	434.7	401.6
57.5°	385.5	386.3	391.4	392.3	391.4	393.1	392.3	387.1	378.7	364.3	338.8
60°	313.3	313.3	315.9	318.4	317.5	318.4	318.4	315.9	307.4	295.5	275.1
62.5°	247.9	250.5	248.8	250.5	253.9	250.5	248.8	247.1	241.1	233.5	216.5
65°	187.6	189.3	189.3	190.2	188.5	189.3	186.0	183.4	180.0	171.5	160.5
67.5°	142.7	142.7	142.7	142.7	141.8	140.9	140.1	137.6	131.6	128.2	116.3
70°	109.5	104.4	104.4	104.4	104.4	105.3	102.7	99.4	97.6	91.7	83.2
72.5°	73.0	74.7	73.0	73.0	71.3	72.2	68.8	67.1	65.4	62.0	56.9
75°	52.6	48.4	50.1	51.0	48.4	50.1	46.7	43.3	43.3	40.7	38.2
77.5°	34.0	33.1	34.0	34.8	34.0	33.1	31.4	29.7	29.7	28.9	26.3
80°	24.6	23.8	23.8	23.8	22.9	23.8	22.1	22.1	20.4	19.5	17.8
82.5°	16.1	16.1	15.3	16.1	15.3	16.1	13.6	13.6	13.6	12.7	11.0
85°	11.0	9.3	9.3	10.2	8.5	10.2	9.3	8.5	7.7	7.7	6.8
87.5°	5.1	5.9	5.1	5.9	5.1	5.1	5.9	5.1	5.1	3.4	3.4
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: P245951

CATALOG NUMBER: LSR8B50D010 EC8B509727 8LBSW0B

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9
2.5°	1730.4	1731.2	1731.2	1734.6	1736.3	1737.1	1737.1	1744.0	1741.4	1743.1	1744.8
5°	1705.8	1710.8	1712.5	1712.5	1721.9	1725.3	1728.6	1736.3	1737.1	1742.2	1748.2
7.5°	1682.0	1687.9	1691.3	1698.9	1704.9	1710.8	1721.0	1726.1	1731.2	1738.0	1745.6
10°	1659.0	1665.8	1672.6	1678.6	1687.9	1695.6	1702.3	1714.2	1720.2	1729.5	1739.7
12.5°	1637.0	1646.3	1652.3	1662.4	1672.6	1679.4	1689.6	1700.7	1710.0	1719.3	1731.2
15°	1617.4	1628.5	1635.3	1646.3	1657.4	1666.7	1677.7	1691.3	1698.1	1709.1	1720.2
17.5°	1596.2	1608.1	1616.6	1626.8	1640.4	1650.5	1659.9	1673.5	1682.0	1693.8	1706.6
20°	1574.1	1586.0	1596.2	1606.4	1620.0	1630.2	1641.2	1654.8	1664.1	1676.0	1686.2
22.5°	1547.8	1558.9	1569.9	1581.8	1595.4	1603.9	1616.6	1628.5	1638.7	1649.7	1659.9
25°	1513.9	1527.5	1535.9	1547.0	1558.0	1567.3	1580.9	1592.8	1601.3	1611.5	1620.8
27.5°	1474.0	1484.2	1490.9	1500.3	1511.3	1519.8	1530.0	1541.9	1550.4	1559.7	1566.5
30°	1406.0	1415.4	1421.3	1428.1	1439.1	1446.8	1455.3	1466.3	1472.2	1479.1	1485.0
32.5°	1316.9	1324.5	1327.9	1333.0	1340.7	1348.3	1355.1	1364.4	1367.0	1371.2	1371.2
35°	1187.8	1189.5	1188.7	1190.4	1193.8	1198.0	1203.9	1209.9	1213.3	1213.3	1210.8
37.5°	1036.7	1026.5	1015.5	1007.0	1004.4	1002.7	1006.1	1008.7	1012.1	1013.8	1009.5
40°	879.6	856.7	832.1	810.0	794.7	787.9	785.4	787.1	787.1	793.0	793.0
42.5°	744.6	708.9	672.5	639.3	617.2	600.3	592.6	592.6	593.5	597.7	600.3
45°	632.6	587.5	545.1	508.6	478.0	455.9	445.8	443.2	442.4	444.0	450.0
47.5°	546.8	500.1	455.9	410.9	378.7	356.6	347.3	343.8	340.5	343.8	344.7
50°	479.7	431.3	384.6	339.6	305.7	286.1	274.2	269.1	268.3	268.3	270.0
52.5°	418.6	373.6	326.9	281.0	245.4	226.7	215.7	213.1	209.7	213.1	213.1
55°	360.8	315.9	270.0	226.7	197.0	177.5	167.3	163.9	162.2	164.7	164.7
57.5°	298.0	259.8	217.4	178.3	148.6	135.0	127.3	123.1	122.2	124.0	122.2
60°	244.5	212.3	175.8	140.1	117.2	102.7	96.8	95.1	93.4	95.1	95.1
62.5°	193.6	166.4	136.7	109.5	90.0	79.8	73.0	73.0	72.2	72.2	73.0
65°	143.5	122.2	101.0	78.1	62.8	55.2	50.1	50.1	49.2	50.1	49.2
67.5°	104.4	90.0	73.0	56.9	45.0	40.7	37.4	34.8	36.5	34.8	34.0
70°	76.4	64.5	52.6	43.3	34.8	30.6	28.0	27.2	25.5	25.5	25.5
72.5°	51.0	43.3	35.6	28.0	22.9	18.7	17.8	16.1	14.4	15.3	17.0
75°	34.0	28.9	25.5	20.4	15.3	15.3	10.2	10.2	8.5	10.2	7.7
77.5°	23.8	19.5	15.3	12.7	10.2	9.3	6.8	6.8	5.9	5.9	5.9
80°	17.0	14.4	11.0	9.3	6.8	6.8	5.9	5.1	4.2	4.2	5.1
82.5°	10.2	7.7	7.7	6.8	4.2	3.4	2.6	3.4	1.7	1.7	1.7
85°	5.9	5.1	4.2	2.6	1.7	1.7	0.8	0.0	0.8	0.8	0.0
87.5°	3.4	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



TEST NUMBER: P245951

CATALOG NUMBER: LSR8B50D010 EC8B509727 8LBSW0B

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9
2.5°	1749.1	1748.2	1749.9	1749.9	1755.0	1754.1	1756.7	1756.7	1755.0	1755.8	1759.2
5°	1755.0	1757.6	1762.6	1766.9	1774.5	1777.9	1782.2	1786.4	1787.3	1789.8	1792.4
7.5°	1755.0	1763.5	1769.4	1777.1	1787.3	1793.2	1802.5	1810.2	1813.6	1817.8	1822.9
10°	1751.6	1760.1	1771.1	1779.6	1792.4	1801.7	1811.0	1822.9	1828.0	1834.8	1841.6
12.5°	1744.8	1754.1	1766.0	1777.1	1791.5	1800.0	1811.9	1822.9	1830.6	1839.9	1847.5
15°	1734.6	1745.6	1756.7	1767.7	1783.0	1793.2	1804.2	1817.0	1824.6	1834.8	1841.6
17.5°	1718.5	1730.4	1740.6	1750.7	1765.2	1777.1	1787.3	1799.1	1806.8	1815.3	1824.6
20°	1698.9	1710.0	1721.0	1729.5	1744.0	1754.1	1765.2	1776.2	1782.2	1783.9	1798.3
22.5°	1674.3	1682.0	1690.5	1704.0	1712.5	1721.9	1732.1	1742.2	1748.2	1757.6	1762.6
25°	1633.6	1641.2	1650.5	1656.5	1666.7	1674.3	1684.5	1695.6	1698.9	1705.8	1710.8
27.5°	1576.7	1580.9	1585.2	1590.3	1596.2	1600.5	1606.4	1611.5	1614.9	1618.3	1621.7
30°	1486.7	1486.7	1486.7	1483.3	1485.8	1488.4	1489.2	1488.4	1488.4	1487.5	1487.5
32.5°	1367.8	1361.0	1353.4	1346.6	1344.1	1340.7	1338.9	1336.4	1332.2	1329.6	1330.5
35°	1207.3	1192.1	1182.7	1174.2	1167.5	1162.4	1159.8	1157.3	1156.4	1153.0	1149.6
37.5°	1007.0	995.9	989.2	984.1	978.1	973.0	973.9	974.7	977.2	975.6	976.4
40°	794.7	792.2	794.7	788.8	787.1	788.8	793.0	799.0	802.4	805.8	811.7
42.5°	604.5	608.8	614.7	614.7	617.2	620.7	625.7	635.1	640.2	646.1	652.9
45°	455.1	460.2	467.8	470.4	472.1	476.3	482.3	489.9	493.3	498.4	504.3
47.5°	350.7	354.1	358.3	362.5	366.8	368.5	374.4	374.4	378.7	382.1	383.8
50°	273.4	276.8	280.2	282.7	284.4	287.0	288.7	291.2	292.1	293.8	294.6
52.5°	213.9	218.2	218.2	219.9	222.4	225.0	224.2	225.0	225.8	225.8	228.4
55°	167.3	167.3	169.8	169.8	171.5	170.6	171.5	171.5	171.5	171.5	172.4
57.5°	124.8	125.7	128.2	126.5	125.7	127.3	125.7	127.3	126.5	128.2	125.7
60°	95.9	95.9	96.8	96.8	97.6	97.6	97.6	96.8	96.8	95.9	95.9
62.5°	72.2	73.0	73.9	73.0	73.0	73.0	72.2	72.2	71.3	70.5	70.5
65°	48.4	47.6	49.2	47.6	48.4	48.4	47.6	48.4	45.9	46.7	45.9
67.5°	34.8	34.0	33.1	34.0	33.1	32.3	32.3	33.1	34.0	31.4	31.4
70°	22.9	23.8	22.9	23.8	24.6	24.6	23.8	22.9	23.8	22.1	22.9
72.5°	14.4	14.4	14.4	14.4	14.4	15.3	15.3	15.3	13.6	13.6	12.7
75°	6.8	9.3	7.7	6.8	9.3	9.3	8.5	8.5	7.7	7.7	7.7
77.5°	6.8	5.1	5.1	5.1	5.1	5.1	5.1	5.1	4.2	5.1	4.2
80°	3.4	3.4	3.4	2.6	3.4	3.4	4.2	3.4	3.4	2.6	4.2
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: P245951

CATALOG NUMBER: LSR8B50D010 EC8B509727 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9
2.5°	1758.4	1757.6	1758.4	1759.2	1758.4	1757.6	1758.4	1759.2	1755.8	1755.0	1756.7
5°	1795.7	1795.7	1797.4	1798.3	1797.4	1795.7	1795.7	1792.4	1789.8	1787.3	1786.4
7.5°	1828.0	1829.7	1831.4	1832.2	1831.4	1829.7	1828.0	1822.9	1817.8	1813.6	1810.2
10°	1847.5	1850.1	1853.5	1855.2	1853.5	1850.1	1847.5	1841.6	1834.8	1828.0	1822.9
12.5°	1856.0	1858.6	1862.8	1862.0	1862.8	1858.6	1856.0	1847.5	1839.9	1830.6	1822.9
15°	1850.1	1853.5	1857.7	1859.4	1857.7	1853.5	1850.1	1841.6	1834.8	1824.6	1817.0
17.5°	1831.4	1836.5	1839.0	1841.6	1839.0	1836.5	1831.4	1824.6	1815.3	1806.8	1799.1
20°	1805.9	1809.3	1812.7	1813.6	1812.7	1809.3	1805.9	1798.3	1783.9	1782.2	1776.2
22.5°	1769.4	1772.0	1779.6	1777.1	1779.6	1772.0	1769.4	1762.6	1757.6	1748.2	1742.2
25°	1716.8	1719.3	1720.2	1721.0	1720.2	1719.3	1716.8	1710.8	1705.8	1698.9	1695.6
27.5°	1625.9	1625.9	1627.6	1628.5	1627.6	1625.9	1625.9	1621.7	1618.3	1614.9	1611.5
30°	1488.4	1488.4	1488.4	1492.6	1488.4	1488.4	1488.4	1487.5	1487.5	1488.4	1488.4
32.5°	1329.6	1327.9	1326.2	1327.9	1326.2	1327.9	1329.6	1330.5	1329.6	1332.2	1336.4
35°	1149.6	1148.8	1151.3	1147.9	1151.3	1148.8	1149.6	1149.6	1153.0	1156.4	1157.3
37.5°	977.2	975.6	979.0	975.6	979.0	975.6	977.2	976.4	975.6	977.2	974.7
40°	813.4	815.1	815.1	821.9	815.1	815.1	813.4	811.7	805.8	802.4	799.0
42.5°	656.3	661.4	659.7	664.8	659.7	661.4	656.3	652.9	646.1	640.2	635.1
45°	507.7	511.1	511.1	512.8	511.1	511.1	507.7	504.3	498.4	493.3	489.9
47.5°	389.7	389.7	389.7	390.6	389.7	389.7	389.7	383.8	382.1	378.7	374.4
50°	296.3	297.2	298.0	298.9	298.0	297.2	296.3	294.6	293.8	292.1	291.2
52.5°	227.5	228.4	226.7	228.4	226.7	228.4	227.5	228.4	225.8	225.8	225.0
55°	172.4	171.5	172.4	173.2	172.4	171.5	172.4	172.4	171.5	171.5	171.5
57.5°	126.5	124.8	124.8	124.8	124.8	124.8	126.5	125.7	128.2	126.5	127.3
60°	94.3	95.1	95.1	95.9	95.1	95.1	94.3	95.9	95.9	96.8	96.8
62.5°	69.6	72.2	70.5	72.2	70.5	72.2	69.6	70.5	70.5	71.3	72.2
65°	45.0	45.0	45.0	45.9	45.0	45.0	45.0	45.9	46.7	45.9	48.4
67.5°	30.6	31.4	33.1	32.3	33.1	31.4	30.6	31.4	31.4	34.0	33.1
70°	24.6	22.1	22.1	24.6	22.1	22.1	24.6	22.9	22.1	23.8	22.9
72.5°	14.4	12.7	14.4	14.4	14.4	12.7	14.4	12.7	13.6	13.6	15.3
75°	7.7	6.8	5.9	8.5	5.9	6.8	7.7	7.7	7.7	7.7	8.5
77.5°	5.1	4.2	5.9	5.9	5.9	4.2	5.1	4.2	5.1	4.2	5.1
80°	2.6	3.4	2.6	4.2	2.6	3.4	2.6	4.2	2.6	3.4	3.4
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: P245951

CATALOG NUMBER: LSR8B50D010 EC8B509727 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9
2.5°	1756.7	1754.1	1755.0	1749.9	1749.9	1748.2	1749.1	1744.8	1743.1	1741.4	1744.0
5°	1782.2	1777.9	1774.5	1766.9	1762.6	1757.6	1755.0	1748.2	1742.2	1737.1	1736.3
7.5°	1802.5	1793.2	1787.3	1777.1	1769.4	1763.5	1755.0	1745.6	1738.0	1731.2	1726.1
10°	1811.0	1801.7	1792.4	1779.6	1771.1	1760.1	1751.6	1739.7	1729.5	1720.2	1714.2
12.5°	1811.9	1800.0	1791.5	1777.1	1766.0	1754.1	1744.8	1731.2	1719.3	1710.0	1700.7
15°	1804.2	1793.2	1783.0	1767.7	1756.7	1745.6	1734.6	1720.2	1709.1	1698.1	1691.3
17.5°	1787.3	1777.1	1765.2	1750.7	1740.6	1730.4	1718.5	1706.6	1693.8	1682.0	1673.5
20°	1765.2	1754.1	1744.0	1729.5	1721.0	1710.0	1698.9	1686.2	1676.0	1664.1	1654.8
22.5°	1732.1	1721.9	1712.5	1704.0	1690.5	1682.0	1674.3	1659.9	1649.7	1638.7	1628.5
25°	1684.5	1674.3	1666.7	1656.5	1650.5	1641.2	1633.6	1620.8	1611.5	1601.3	1592.8
27.5°	1606.4	1600.5	1596.2	1590.3	1585.2	1580.9	1576.7	1566.5	1559.7	1550.4	1541.9
30°	1489.2	1488.4	1485.8	1483.3	1486.7	1486.7	1486.7	1485.0	1479.1	1472.2	1466.3
32.5°	1338.9	1340.7	1344.1	1346.6	1353.4	1361.0	1367.8	1371.2	1371.2	1367.0	1364.4
35°	1159.8	1162.4	1167.5	1174.2	1182.7	1192.1	1207.3	1210.8	1213.3	1213.3	1209.9
37.5°	973.9	973.0	978.1	984.1	989.2	995.9	1007.0	1009.5	1013.8	1012.1	1008.7
40°	793.0	788.8	787.1	788.8	794.7	792.2	794.7	793.0	793.0	787.1	787.1
42.5°	625.7	620.7	617.2	614.7	614.7	608.8	604.5	600.3	597.7	593.5	592.6
45°	482.3	476.3	472.1	470.4	467.8	460.2	455.1	450.0	444.0	442.4	443.2
47.5°	374.4	368.5	366.8	362.5	358.3	354.1	350.7	344.7	343.8	340.5	343.8
50°	288.7	287.0	284.4	282.7	280.2	276.8	273.4	270.0	268.3	268.3	269.1
52.5°	224.2	225.0	222.4	219.9	218.2	218.2	213.9	213.1	213.1	209.7	213.1
55°	171.5	170.6	171.5	169.8	169.8	167.3	167.3	164.7	164.7	162.2	163.9
57.5°	125.7	127.3	125.7	126.5	128.2	125.7	124.8	122.2	124.0	122.2	123.1
60°	97.6	97.6	97.6	96.8	96.8	95.9	95.9	95.1	95.1	93.4	95.1
62.5°	72.2	73.0	73.0	73.0	73.9	73.0	72.2	73.0	72.2	72.2	73.0
65°	47.6	48.4	48.4	47.6	49.2	47.6	48.4	49.2	50.1	49.2	50.1
67.5°	32.3	32.3	33.1	34.0	33.1	34.0	34.8	34.0	34.8	36.5	34.8
70°	23.8	24.6	24.6	23.8	22.9	23.8	22.9	25.5	25.5	25.5	27.2
72.5°	15.3	15.3	14.4	14.4	14.4	14.4	14.4	17.0	15.3	14.4	16.1
75°	8.5	9.3	9.3	6.8	7.7	9.3	6.8	7.7	10.2	8.5	10.2
77.5°	5.1	5.1	5.1	5.1	5.1	5.1	6.8	5.9	5.9	5.9	6.8
80°	4.2	3.4	3.4	2.6	3.4	3.4	3.4	5.1	4.2	4.2	5.1
82.5°	1.7	1.7	0.8	0.0	1.7	1.7	1.7	1.7	1.7	1.7	3.4
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: P245951

CATALOG NUMBER: LSR8B50D010 EC8B509727 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9
2.5°	1737.1	1737.1	1736.3	1734.6	1731.2	1731.2	1730.4	1727.8	1726.1	1725.3	1725.3
5°	1728.6	1725.3	1721.9	1712.5	1712.5	1710.8	1705.8	1702.3	1700.7	1696.4	1694.7
7.5°	1721.0	1710.8	1704.9	1698.9	1691.3	1687.9	1682.0	1679.4	1673.5	1669.2	1666.7
10°	1702.3	1695.6	1687.9	1678.6	1672.6	1665.8	1659.0	1654.0	1646.3	1642.0	1638.7
12.5°	1689.6	1679.4	1672.6	1662.4	1652.3	1646.3	1637.0	1631.0	1623.4	1614.9	1609.8
15°	1677.7	1666.7	1657.4	1646.3	1635.3	1628.5	1617.4	1610.7	1599.6	1591.1	1585.2
17.5°	1659.9	1650.5	1640.4	1626.8	1616.6	1608.1	1596.2	1587.7	1577.5	1566.5	1560.6
20°	1641.2	1630.2	1620.0	1606.4	1596.2	1586.0	1574.1	1564.8	1552.9	1542.7	1535.9
22.5°	1616.6	1603.9	1595.4	1581.8	1569.9	1558.9	1547.8	1536.8	1525.7	1517.3	1509.6
25°	1580.9	1567.3	1558.0	1547.0	1535.9	1527.5	1513.9	1507.1	1496.0	1488.4	1480.7
27.5°	1530.0	1519.8	1511.3	1500.3	1490.9	1484.2	1474.0	1467.2	1457.8	1451.0	1445.1
30°	1455.3	1446.8	1439.1	1428.1	1421.3	1415.4	1406.0	1400.1	1393.3	1385.6	1384.0
32.5°	1355.1	1348.3	1340.7	1333.0	1327.9	1324.5	1316.9	1313.5	1306.7	1302.4	1298.2
35°	1203.9	1198.0	1193.8	1190.4	1188.7	1189.5	1187.8	1191.2	1192.9	1192.1	1192.9
37.5°	1006.1	1002.7	1004.4	1007.0	1015.5	1026.5	1036.7	1052.0	1062.2	1072.4	1081.7
40°	785.4	787.9	794.7	810.0	832.1	856.7	879.6	908.5	937.4	957.7	976.4
42.5°	592.6	600.3	617.2	639.3	672.5	708.9	744.6	787.1	821.9	855.8	879.6
45°	445.8	455.9	478.0	508.6	545.1	587.5	632.6	680.1	721.7	756.5	782.8
47.5°	347.3	356.6	378.7	410.9	455.9	500.1	546.8	596.0	639.3	673.3	696.2
50°	274.2	286.1	305.7	339.6	384.6	431.3	479.7	528.1	568.9	597.7	618.1
52.5°	215.7	226.7	245.4	281.0	326.9	373.6	418.6	466.1	501.8	529.8	543.4
55°	167.3	177.5	197.0	226.7	270.0	315.9	360.8	401.6	434.7	455.1	467.8
57.5°	127.3	135.0	148.6	178.3	217.4	259.8	298.0	338.8	364.3	378.7	387.1
60°	96.8	102.7	117.2	140.1	175.8	212.3	244.5	275.1	295.5	307.4	315.9
62.5°	73.0	79.8	90.0	109.5	136.7	166.4	193.6	216.5	233.5	241.1	247.1
65°	50.1	55.2	62.8	78.1	101.0	122.2	143.5	160.5	171.5	180.0	183.4
67.5°	37.4	40.7	45.0	56.9	73.0	90.0	104.4	116.3	128.2	131.6	137.6
70°	28.0	30.6	34.8	43.3	52.6	64.5	76.4	83.2	91.7	97.6	99.4
72.5°	17.8	18.7	22.9	28.0	35.6	43.3	51.0	56.9	62.0	65.4	67.1
75°	10.2	15.3	15.3	20.4	25.5	28.9	34.0	38.2	40.7	43.3	43.3
77.5°	6.8	9.3	10.2	12.7	15.3	19.5	23.8	26.3	28.9	29.7	29.7
80°	5.9	6.8	6.8	9.3	11.0	14.4	17.0	17.8	19.5	20.4	22.1
82.5°	2.6	3.4	4.2	6.8	7.7	7.7	10.2	11.0	12.7	13.6	13.6
85°	0.8	1.7	1.7	2.6	4.2	5.1	5.9	6.8	7.7	7.7	8.5
87.5°	0.8	0.8	0.0	0.8	1.7	1.7	3.4	3.4	3.4	5.1	5.1
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: P245951

CATALOG NUMBER: LSR8B50D010 EC8B509727 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9
2.5°	1723.6	1724.4	1721.0	1720.2	1718.5	1719.3	1721.0
5°	1692.2	1693.0	1689.6	1686.2	1686.2	1685.3	1686.2
7.5°	1662.4	1663.3	1658.2	1656.5	1653.1	1654.0	1654.0
10°	1632.7	1632.7	1625.1	1624.2	1621.7	1620.8	1620.8
12.5°	1603.9	1601.3	1595.4	1592.0	1593.7	1588.6	1588.6
15°	1578.4	1574.1	1566.5	1563.9	1559.7	1558.0	1558.0
17.5°	1552.1	1548.7	1541.9	1536.8	1531.7	1530.8	1531.7
20°	1526.6	1523.2	1514.7	1511.3	1507.1	1507.1	1505.4
22.5°	1501.1	1497.7	1490.1	1487.5	1481.6	1481.6	1482.4
25°	1474.8	1472.2	1463.7	1462.1	1461.2	1457.8	1459.5
27.5°	1439.1	1437.4	1430.7	1428.1	1424.7	1423.9	1425.5
30°	1373.8	1371.2	1366.1	1363.6	1357.6	1358.5	1360.2
32.5°	1292.3	1288.9	1282.1	1279.5	1274.4	1272.7	1273.6
35°	1190.4	1187.8	1181.9	1181.9	1176.8	1175.1	1176.8
37.5°	1086.8	1089.3	1086.8	1089.3	1086.8	1085.9	1086.8
40°	989.2	998.5	1000.2	1009.5	1006.1	1011.2	1010.4
42.5°	895.7	911.0	917.0	924.6	922.9	926.3	928.9
45°	801.5	814.2	820.2	825.3	826.1	827.8	828.7
47.5°	712.3	722.5	723.4	729.3	728.5	728.5	731.0
50°	629.2	635.9	637.6	641.9	638.5	636.8	637.6
52.5°	551.9	558.7	557.0	558.7	554.4	552.7	553.6
55°	472.9	476.3	476.3	476.3	471.2	471.2	471.2
57.5°	392.3	393.1	391.4	392.3	391.4	386.3	385.5
60°	318.4	318.4	317.5	318.4	315.9	313.3	313.3
62.5°	248.8	250.5	253.9	250.5	248.8	250.5	247.9
65°	186.0	189.3	188.5	190.2	189.3	189.3	187.6
67.5°	140.1	140.9	141.8	142.7	142.7	142.7	142.7
70°	102.7	105.3	104.4	104.4	104.4	104.4	109.5
72.5°	68.8	72.2	71.3	73.0	73.0	74.7	73.0
75°	46.7	50.1	48.4	51.0	50.1	48.4	52.6
77.5°	31.4	33.1	34.0	34.8	34.0	33.1	34.0
80°	22.1	23.8	22.9	23.8	23.8	23.8	24.6
82.5°	13.6	16.1	15.3	16.1	15.3	16.1	16.1
85°	9.3	10.2	8.5	10.2	9.3	9.3	11.0
87.5°	5.9	5.1	5.1	5.9	5.1	5.9	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)