

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: P245957

Luminaire Tested: **LSR8B50D010 EC8B509730 8LBSW0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245957  
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 EC8B509730 8LBSW0B  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
97 CRI 3000 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3099.0 lumens  
Efficiency: N/A  
Efficacy: 58.5 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

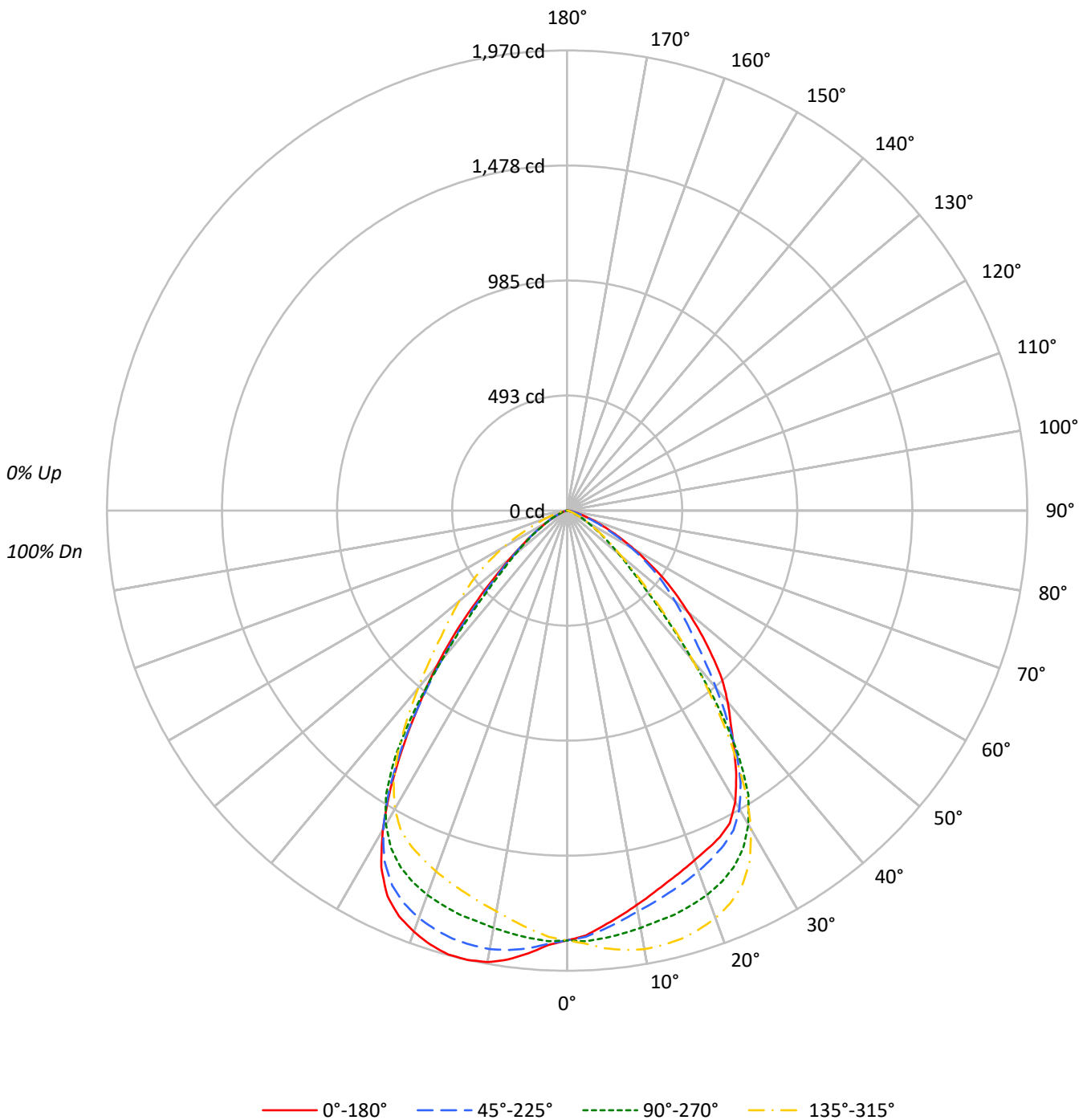
Input Watts (W): 53  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	175.1	5.7
10°-20°	507.1	16.4
20°-30°	767.8	24.8
30°-40°	769.6	24.8
40°-50°	483.2	15.6
50°-60°	257.5	8.3
60°-70°	105.9	3.4
70°-80°	28.0	0.9
80°-90°	4.7	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°	1450.1	46.8
0°-40°	2219.6	71.6
0°-60°	2960.4	95.5
0°-90°	3099.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3099.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1840	1840	1840	1840	1840	
5°	1784	1837	1903	1837	1784	168
15°	1648	1790	1967	1790	1648	466
25°	1544	1685	1821	1685	1544	708
35°	1245	1280	1215	1280	1245	780
45°	877	469	543	469	877	674
55°	499	173	183	173	499	445
65°	198	53	48	53	198	206
75°	56	11	9	11	56	63
85°	12	0	1	0	12	13
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°	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8
2.5°	1820.9	1819.1	1818.2	1820.0	1820.9	1824.5	1823.6	1825.4	1825.4	1826.3	1828.1
5°	1784.1	1783.2	1784.1	1784.1	1787.7	1791.3	1790.4	1793.1	1794.9	1799.4	1801.1
7.5°	1750.0	1750.0	1749.0	1752.6	1754.4	1759.8	1758.9	1763.4	1766.1	1770.6	1776.9
10°	1714.9	1714.9	1715.8	1718.5	1719.4	1727.5	1727.5	1733.8	1737.4	1741.9	1750.0
12.5°	1680.8	1680.8	1686.2	1684.4	1688.0	1694.2	1696.9	1703.2	1708.6	1717.6	1725.7
15°	1648.4	1648.4	1650.2	1654.7	1657.4	1665.5	1670.0	1677.2	1683.5	1692.5	1704.2
17.5°	1620.6	1619.7	1620.6	1626.0	1631.4	1638.6	1642.1	1651.1	1657.4	1669.1	1679.9
20°	1592.7	1594.6	1594.6	1599.0	1602.6	1611.6	1615.2	1625.1	1632.3	1643.0	1655.6
22.5°	1568.5	1567.6	1567.6	1573.9	1576.6	1584.6	1588.2	1597.2	1605.3	1614.3	1626.0
25°	1544.2	1542.4	1546.0	1546.9	1548.7	1557.7	1560.4	1566.7	1574.8	1582.9	1594.6
27.5°	1508.3	1506.5	1507.4	1511.0	1513.7	1520.9	1522.7	1529.0	1535.2	1542.4	1552.3
30°	1439.1	1437.3	1436.4	1442.7	1445.4	1450.8	1453.5	1464.3	1466.1	1474.2	1481.3
32.5°	1347.5	1346.6	1348.4	1353.8	1356.5	1363.7	1367.3	1373.5	1378.0	1382.5	1389.7
35°	1245.1	1243.3	1245.1	1250.5	1250.5	1256.8	1259.5	1262.1	1261.3	1262.1	1260.4
37.5°	1149.9	1149.0	1149.9	1152.5	1149.9	1152.5	1149.9	1144.5	1134.6	1123.8	1113.0
40°	1069.0	1069.9	1064.5	1068.1	1058.2	1056.4	1046.6	1033.1	1013.3	991.8	961.2
42.5°	982.8	980.1	976.5	978.3	970.2	963.9	947.7	930.7	905.5	869.6	832.7
45°	876.8	875.9	874.1	873.2	867.8	861.5	848.0	828.3	800.4	763.6	719.6
47.5°	773.5	770.8	770.8	771.7	765.4	764.5	753.7	736.6	712.4	676.4	630.6
50°	674.6	673.7	675.6	679.1	674.6	672.9	665.7	654.0	632.4	601.9	558.7
52.5°	585.7	584.8	586.6	591.1	589.3	591.1	583.9	574.9	560.6	530.9	493.2
55°	498.6	498.6	498.6	503.9	503.9	503.9	500.4	495.0	481.5	459.9	424.9
57.5°	407.8	408.7	414.1	415.0	414.1	415.9	415.0	409.6	400.7	385.4	358.4
60°	331.5	331.5	334.2	336.9	336.0	336.9	336.9	334.2	325.2	312.6	291.1
62.5°	262.3	265.0	263.2	265.0	268.6	265.0	263.2	261.4	255.1	247.0	229.1
65°	198.5	200.3	200.3	201.2	199.4	200.3	196.7	194.1	190.5	181.5	169.8
67.5°	150.9	150.9	150.9	150.9	150.0	149.1	148.2	145.5	139.3	135.7	123.1
70°	115.9	110.5	110.5	110.5	110.5	111.4	108.7	105.1	103.3	97.0	88.0
72.5°	77.2	79.1	77.2	77.2	75.5	76.4	72.8	71.0	69.2	65.6	60.2
75°	55.7	51.2	53.0	53.9	51.2	53.0	49.4	45.8	45.8	43.1	40.4
77.5°	35.9	35.1	35.9	36.8	35.9	35.1	33.2	31.4	31.4	30.5	27.8
80°	26.1	25.1	25.1	25.1	24.3	25.1	23.4	23.4	21.6	20.7	18.9
82.5°	17.1	17.1	16.2	17.1	16.2	17.1	14.4	14.4	14.4	13.5	11.7
85°	11.7	9.9	9.9	10.8	9.0	10.8	9.9	9.0	8.1	8.1	7.2
87.5°	5.4	6.3	5.4	6.3	5.4	5.4	6.3	5.4	5.4	3.6	3.6
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8
2.5°	1830.8	1831.7	1831.7	1835.3	1837.1	1838.0	1838.0	1845.2	1842.5	1844.3	1846.1
5°	1804.8	1810.1	1811.9	1811.9	1821.8	1825.4	1829.0	1837.1	1838.0	1843.4	1849.7
7.5°	1779.6	1785.9	1789.5	1797.6	1803.8	1810.1	1820.9	1826.3	1831.7	1838.9	1847.0
10°	1755.3	1762.5	1769.7	1776.0	1785.9	1794.0	1801.1	1813.7	1820.0	1829.9	1840.7
12.5°	1732.0	1741.9	1748.2	1758.9	1769.7	1776.9	1787.7	1799.4	1809.2	1819.1	1831.7
15°	1711.3	1723.0	1730.2	1741.9	1753.6	1763.4	1775.1	1789.5	1796.7	1808.3	1820.0
17.5°	1688.8	1701.5	1710.4	1721.2	1735.6	1746.3	1756.2	1770.6	1779.6	1792.2	1805.6
20°	1665.5	1678.1	1688.8	1699.6	1714.0	1724.8	1736.5	1750.9	1760.7	1773.3	1784.1
22.5°	1637.7	1649.4	1661.0	1673.6	1688.0	1696.9	1710.4	1723.0	1733.8	1745.5	1756.2
25°	1601.7	1616.1	1625.1	1636.7	1648.4	1658.3	1672.7	1685.3	1694.2	1705.0	1714.9
27.5°	1559.5	1570.3	1577.5	1587.3	1599.0	1608.0	1618.8	1631.4	1640.4	1650.2	1657.4
30°	1487.6	1497.5	1503.8	1511.0	1522.7	1530.8	1539.8	1551.4	1557.7	1564.9	1571.2
32.5°	1393.3	1401.4	1405.0	1410.4	1418.5	1426.5	1433.7	1443.6	1446.3	1450.8	1450.8
35°	1256.8	1258.6	1257.7	1259.5	1263.1	1267.5	1273.8	1280.1	1283.7	1283.7	1281.0
37.5°	1096.9	1086.1	1074.4	1065.4	1062.7	1060.9	1064.5	1067.2	1070.8	1072.6	1068.1
40°	930.7	906.4	880.4	857.0	840.8	833.7	831.0	832.7	832.7	839.0	839.0
42.5°	787.8	750.1	711.5	676.4	653.1	635.1	627.0	627.0	627.9	632.4	635.1
45°	669.3	621.6	576.7	538.1	505.8	482.4	471.6	468.9	468.0	469.8	476.1
47.5°	578.5	529.1	482.4	434.8	400.7	377.3	367.4	363.8	360.2	363.8	364.7
50°	507.6	456.4	407.0	359.3	323.4	302.7	290.2	284.8	283.9	283.9	285.7
52.5°	442.9	395.3	345.9	297.4	259.6	239.9	228.2	225.5	221.9	225.5	225.5
55°	381.8	334.2	285.7	239.9	208.4	187.8	177.0	173.4	171.6	174.3	174.3
57.5°	315.3	274.9	230.0	188.7	157.2	142.8	134.7	130.3	129.3	131.2	129.3
60°	258.7	224.6	186.0	148.2	124.0	108.7	102.4	100.6	98.8	100.6	100.6
62.5°	204.8	176.1	144.6	115.9	95.2	84.5	77.2	77.2	76.4	76.4	77.2
65°	151.8	129.3	106.9	82.6	66.5	58.4	53.0	53.0	52.1	53.0	52.1
67.5°	110.5	95.2	77.2	60.2	47.6	43.1	39.5	36.8	38.6	36.8	35.9
70°	80.9	68.3	55.7	45.8	36.8	32.4	29.7	28.7	27.0	27.0	27.0
72.5°	53.9	45.8	37.7	29.7	24.3	19.7	18.9	17.1	15.3	16.2	18.0
75°	35.9	30.5	27.0	21.6	16.2	16.2	10.8	10.8	9.0	10.8	8.1
77.5°	25.1	20.7	16.2	13.5	10.8	9.9	7.2	7.2	6.3	6.3	6.3
80°	18.0	15.3	11.7	9.9	7.2	7.2	6.3	5.4	4.5	4.5	5.4
82.5°	10.8	8.1	8.1	7.2	4.5	3.6	2.7	3.6	1.8	1.8	1.8
85°	6.3	5.4	4.5	2.7	1.8	1.8	0.9	0.0	0.9	0.9	0.0
87.5°	3.6	1.8	1.8	0.9	0.0	0.9	0.9	0.0	0.0	0.0	1.8
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°	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8
2.5°	1850.6	1849.7	1851.5	1851.5	1856.9	1855.9	1858.6	1858.6	1856.9	1857.7	1861.3
5°	1856.9	1859.6	1864.9	1869.4	1877.5	1881.1	1885.6	1890.1	1891.0	1893.7	1896.4
7.5°	1856.9	1865.8	1872.1	1880.2	1891.0	1897.3	1907.1	1915.2	1918.8	1923.3	1928.7
10°	1853.2	1862.2	1873.9	1882.9	1896.4	1906.3	1916.1	1928.7	1934.1	1941.3	1948.5
12.5°	1846.1	1855.9	1868.5	1880.2	1895.5	1904.4	1917.0	1928.7	1936.8	1946.7	1954.8
15°	1835.3	1847.0	1858.6	1870.3	1886.5	1897.3	1909.0	1922.4	1930.5	1941.3	1948.5
17.5°	1818.2	1830.8	1841.6	1852.4	1867.6	1880.2	1891.0	1903.6	1911.7	1920.6	1930.5
20°	1797.6	1809.2	1820.9	1829.9	1845.2	1855.9	1867.6	1879.3	1885.6	1887.4	1902.7
22.5°	1771.5	1779.6	1788.6	1803.0	1811.9	1821.8	1832.6	1843.4	1849.7	1859.6	1864.9
25°	1728.4	1736.5	1746.3	1752.6	1763.4	1771.5	1782.3	1794.0	1797.6	1804.8	1810.1
27.5°	1668.2	1672.7	1677.2	1682.6	1688.8	1693.4	1699.6	1705.0	1708.6	1712.2	1715.8
30°	1573.0	1573.0	1573.0	1569.4	1572.1	1574.8	1575.7	1574.8	1574.8	1573.9	1573.9
32.5°	1447.2	1440.0	1431.9	1424.8	1422.1	1418.5	1416.7	1414.0	1409.5	1406.8	1407.7
35°	1277.4	1261.3	1251.4	1242.4	1235.2	1229.8	1227.1	1224.4	1223.5	1219.9	1216.3
37.5°	1065.4	1053.7	1046.6	1041.2	1034.9	1029.5	1030.4	1031.3	1034.0	1032.2	1033.1
40°	840.8	838.1	840.8	834.5	832.7	834.5	839.0	845.3	848.9	852.5	858.8
42.5°	639.6	644.1	650.4	650.4	653.1	656.7	662.1	672.0	677.3	683.6	690.8
45°	481.5	486.9	495.0	497.7	499.5	503.9	510.3	518.3	521.9	527.3	533.6
47.5°	371.0	374.6	379.1	383.6	388.1	389.9	396.2	396.2	400.7	404.3	406.0
50°	289.3	292.8	296.4	299.1	300.9	303.6	305.4	308.1	309.0	310.8	311.7
52.5°	226.4	230.9	230.9	232.7	235.4	238.1	237.2	238.1	238.9	238.9	241.6
55°	177.0	177.0	179.7	179.7	181.5	180.6	181.5	181.5	181.5	181.5	182.4
57.5°	132.0	133.0	135.7	133.9	133.0	134.7	133.0	134.7	133.9	135.7	133.0
60°	101.5	101.5	102.4	102.4	103.3	103.3	103.3	102.4	102.4	101.5	101.5
62.5°	76.4	77.2	78.2	77.2	77.2	77.2	76.4	76.4	75.5	74.5	74.5
65°	51.2	50.3	52.1	50.3	51.2	51.2	50.3	51.2	48.5	49.4	48.5
67.5°	36.8	35.9	35.1	35.9	35.1	34.1	34.1	35.1	35.9	33.2	33.2
70°	24.3	25.1	24.3	25.1	26.1	26.1	25.1	24.3	25.1	23.4	24.3
72.5°	15.3	15.3	15.3	15.3	15.3	16.2	16.2	16.2	14.4	14.4	13.5
75°	7.2	9.9	8.1	7.2	9.9	9.9	9.0	9.0	8.1	8.1	8.1
77.5°	7.2	5.4	5.4	5.4	5.4	5.4	5.4	5.4	4.5	5.4	4.5
80°	3.6	3.6	3.6	2.7	3.6	3.6	4.5	3.6	3.6	2.7	4.5
82.5°	1.8	1.8	1.8	0.0	0.9	1.8	1.8	0.9	1.8	1.8	0.9
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: P245957

CATALOG NUMBER: LSR8B50D010 EC8B509730 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8
2.5°	1860.4	1859.6	1860.4	1861.3	1860.4	1859.6	1860.4	1861.3	1857.7	1856.9	1858.6
5°	1900.0	1900.0	1901.7	1902.7	1901.7	1900.0	1900.0	1896.4	1893.7	1891.0	1890.1
7.5°	1934.1	1935.9	1937.7	1938.6	1937.7	1935.9	1934.1	1928.7	1923.3	1918.8	1915.2
10°	1954.8	1957.5	1961.1	1962.8	1961.1	1957.5	1954.8	1948.5	1941.3	1934.1	1928.7
12.5°	1963.8	1966.5	1970.9	1970.0	1970.9	1966.5	1963.8	1954.8	1946.7	1936.8	1928.7
15°	1957.5	1961.1	1965.5	1967.3	1965.5	1961.1	1957.5	1948.5	1941.3	1930.5	1922.4
17.5°	1937.7	1943.1	1945.8	1948.5	1945.8	1943.1	1937.7	1930.5	1920.6	1911.7	1903.6
20°	1910.7	1914.4	1917.9	1918.8	1917.9	1914.4	1910.7	1902.7	1887.4	1885.6	1879.3
22.5°	1872.1	1874.8	1882.9	1880.2	1882.9	1874.8	1872.1	1864.9	1859.6	1849.7	1843.4
25°	1816.4	1819.1	1820.0	1820.9	1820.0	1819.1	1816.4	1810.1	1804.8	1797.6	1794.0
27.5°	1720.3	1720.3	1722.1	1723.0	1722.1	1720.3	1720.3	1715.8	1712.2	1708.6	1705.0
30°	1574.8	1574.8	1574.8	1579.3	1574.8	1574.8	1574.8	1573.9	1573.9	1574.8	1574.8
32.5°	1406.8	1405.0	1403.2	1405.0	1403.2	1405.0	1406.8	1407.7	1406.8	1409.5	1414.0
35°	1216.3	1215.4	1218.1	1214.6	1218.1	1215.4	1216.3	1216.3	1219.9	1223.5	1224.4
37.5°	1034.0	1032.2	1035.8	1032.2	1035.8	1032.2	1034.0	1033.1	1032.2	1034.0	1031.3
40°	860.6	862.4	862.4	869.6	862.4	862.4	860.6	858.8	852.5	848.9	845.3
42.5°	694.4	699.8	698.0	703.4	698.0	699.8	694.4	690.8	683.6	677.3	672.0
45°	537.2	540.8	540.8	542.6	540.8	540.8	537.2	533.6	527.3	521.9	518.3
47.5°	412.3	412.3	412.3	413.2	412.3	412.3	412.3	406.0	404.3	400.7	396.2
50°	313.5	314.4	315.3	316.2	315.3	314.4	313.5	311.7	310.8	309.0	308.1
52.5°	240.8	241.6	239.9	241.6	239.9	241.6	240.8	241.6	238.9	238.9	238.1
55°	182.4	181.5	182.4	183.3	182.4	181.5	182.4	182.4	181.5	181.5	181.5
57.5°	133.9	132.0	132.0	132.0	132.0	132.0	133.9	133.0	135.7	133.9	134.7
60°	99.7	100.6	100.6	101.5	100.6	100.6	99.7	101.5	101.5	102.4	102.4
62.5°	73.7	76.4	74.5	76.4	74.5	76.4	73.7	74.5	74.5	75.5	76.4
65°	47.6	47.6	47.6	48.5	47.6	47.6	47.6	48.5	49.4	48.5	51.2
67.5°	32.4	33.2	35.1	34.1	35.1	33.2	32.4	33.2	33.2	35.9	35.1
70°	26.1	23.4	23.4	26.1	23.4	23.4	26.1	24.3	23.4	25.1	24.3
72.5°	15.3	13.5	15.3	15.3	15.3	13.5	15.3	13.5	14.4	14.4	16.2
75°	8.1	7.2	6.3	9.0	6.3	7.2	8.1	8.1	8.1	8.1	9.0
77.5°	5.4	4.5	6.3	6.3	6.3	4.5	5.4	4.5	5.4	4.5	5.4
80°	2.7	3.6	2.7	4.5	2.7	3.6	2.7	4.5	2.7	3.6	3.6
82.5°	0.9	1.8	1.8	1.8	1.8	1.8	0.9	0.9	1.8	1.8	0.9
85°	0.0	1.8	0.9	0.9	0.9	1.8	0.0	0.0	0.0	0.0	0.0
87.5°	0.9	0.0	0.0	0.9	0.0	0.0	0.9	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: P245957

CATALOG NUMBER: LSR8B50D010 EC8B509730 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8
2.5°	1858.6	1855.9	1856.9	1851.5	1851.5	1849.7	1850.6	1846.1	1844.3	1842.5	1845.2
5°	1885.6	1881.1	1877.5	1869.4	1864.9	1859.6	1856.9	1849.7	1843.4	1838.0	1837.1
7.5°	1907.1	1897.3	1891.0	1880.2	1872.1	1865.8	1856.9	1847.0	1838.9	1831.7	1826.3
10°	1916.1	1906.3	1896.4	1882.9	1873.9	1862.2	1853.2	1840.7	1829.9	1820.0	1813.7
12.5°	1917.0	1904.4	1895.5	1880.2	1868.5	1855.9	1846.1	1831.7	1819.1	1809.2	1799.4
15°	1909.0	1897.3	1886.5	1870.3	1858.6	1847.0	1835.3	1820.0	1808.3	1796.7	1789.5
17.5°	1891.0	1880.2	1867.6	1852.4	1841.6	1830.8	1818.2	1805.6	1792.2	1779.6	1770.6
20°	1867.6	1855.9	1845.2	1829.9	1820.9	1809.2	1797.6	1784.1	1773.3	1760.7	1750.9
22.5°	1832.6	1821.8	1811.9	1803.0	1788.6	1779.6	1771.5	1756.2	1745.5	1733.8	1723.0
25°	1782.3	1771.5	1763.4	1752.6	1746.3	1736.5	1728.4	1714.9	1705.0	1694.2	1685.3
27.5°	1699.6	1693.4	1688.8	1682.6	1677.2	1672.7	1668.2	1657.4	1650.2	1640.4	1631.4
30°	1575.7	1574.8	1572.1	1569.4	1573.0	1573.0	1573.0	1571.2	1564.9	1557.7	1551.4
32.5°	1416.7	1418.5	1422.1	1424.8	1431.9	1440.0	1447.2	1450.8	1450.8	1446.3	1443.6
35°	1227.1	1229.8	1235.2	1242.4	1251.4	1261.3	1277.4	1281.0	1283.7	1283.7	1280.1
37.5°	1030.4	1029.5	1034.9	1041.2	1046.6	1053.7	1065.4	1068.1	1072.6	1070.8	1067.2
40°	839.0	834.5	832.7	834.5	840.8	838.1	840.8	839.0	839.0	832.7	832.7
42.5°	662.1	656.7	653.1	650.4	650.4	644.1	639.6	635.1	632.4	627.9	627.0
45°	510.3	503.9	499.5	497.7	495.0	486.9	481.5	476.1	469.8	468.0	468.9
47.5°	396.2	389.9	388.1	383.6	379.1	374.6	371.0	364.7	363.8	360.2	363.8
50°	305.4	303.6	300.9	299.1	296.4	292.8	289.3	285.7	283.9	283.9	284.8
52.5°	237.2	238.1	235.4	232.7	230.9	230.9	226.4	225.5	225.5	221.9	225.5
55°	181.5	180.6	181.5	179.7	179.7	177.0	177.0	174.3	174.3	171.6	173.4
57.5°	133.0	134.7	133.0	133.9	135.7	133.0	132.0	129.3	131.2	129.3	130.3
60°	103.3	103.3	103.3	102.4	102.4	101.5	101.5	100.6	100.6	98.8	100.6
62.5°	76.4	77.2	77.2	77.2	78.2	77.2	76.4	77.2	76.4	76.4	77.2
65°	50.3	51.2	51.2	50.3	52.1	50.3	51.2	52.1	53.0	52.1	53.0
67.5°	34.1	34.1	35.1	35.9	35.1	35.9	36.8	35.9	36.8	38.6	36.8
70°	25.1	26.1	26.1	25.1	24.3	25.1	24.3	27.0	27.0	27.0	28.7
72.5°	16.2	16.2	15.3	15.3	15.3	15.3	15.3	18.0	16.2	15.3	17.1
75°	9.0	9.9	9.9	7.2	8.1	9.9	7.2	8.1	10.8	9.0	10.8
77.5°	5.4	5.4	5.4	5.4	5.4	5.4	7.2	6.3	6.3	6.3	7.2
80°	4.5	3.6	3.6	2.7	3.6	3.6	3.6	5.4	4.5	4.5	5.4
82.5°	1.8	1.8	0.9	0.0	1.8	1.8	1.8	1.8	1.8	1.8	3.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	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: P245957

CATALOG NUMBER: LSR8B50D010 EC8B509730 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8
2.5°	1838.0	1838.0	1837.1	1835.3	1831.7	1831.7	1830.8	1828.1	1826.3	1825.4	1825.4
5°	1829.0	1825.4	1821.8	1811.9	1811.9	1810.1	1804.8	1801.1	1799.4	1794.9	1793.1
7.5°	1820.9	1810.1	1803.8	1797.6	1789.5	1785.9	1779.6	1776.9	1770.6	1766.1	1763.4
10°	1801.1	1794.0	1785.9	1776.0	1769.7	1762.5	1755.3	1750.0	1741.9	1737.4	1733.8
12.5°	1787.7	1776.9	1769.7	1758.9	1748.2	1741.9	1732.0	1725.7	1717.6	1708.6	1703.2
15°	1775.1	1763.4	1753.6	1741.9	1730.2	1723.0	1711.3	1704.2	1692.5	1683.5	1677.2
17.5°	1756.2	1746.3	1735.6	1721.2	1710.4	1701.5	1688.8	1679.9	1669.1	1657.4	1651.1
20°	1736.5	1724.8	1714.0	1699.6	1688.8	1678.1	1665.5	1655.6	1643.0	1632.3	1625.1
22.5°	1710.4	1696.9	1688.0	1673.6	1661.0	1649.4	1637.7	1626.0	1614.3	1605.3	1597.2
25°	1672.7	1658.3	1648.4	1636.7	1625.1	1616.1	1601.7	1594.6	1582.9	1574.8	1566.7
27.5°	1618.8	1608.0	1599.0	1587.3	1577.5	1570.3	1559.5	1552.3	1542.4	1535.2	1529.0
30°	1539.8	1530.8	1522.7	1511.0	1503.8	1497.5	1487.6	1481.3	1474.2	1466.1	1464.3
32.5°	1433.7	1426.5	1418.5	1410.4	1405.0	1401.4	1393.3	1389.7	1382.5	1378.0	1373.5
35°	1273.8	1267.5	1263.1	1259.5	1257.7	1258.6	1256.8	1260.4	1262.1	1261.3	1262.1
37.5°	1064.5	1060.9	1062.7	1065.4	1074.4	1086.1	1096.9	1113.0	1123.8	1134.6	1144.5
40°	831.0	833.7	840.8	857.0	880.4	906.4	930.7	961.2	991.8	1013.3	1033.1
42.5°	627.0	635.1	653.1	676.4	711.5	750.1	787.8	832.7	869.6	905.5	930.7
45°	471.6	482.4	505.8	538.1	576.7	621.6	669.3	719.6	763.6	800.4	828.3
47.5°	367.4	377.3	400.7	434.8	482.4	529.1	578.5	630.6	676.4	712.4	736.6
50°	290.2	302.7	323.4	359.3	407.0	456.4	507.6	558.7	601.9	632.4	654.0
52.5°	228.2	239.9	259.6	297.4	345.9	395.3	442.9	493.2	530.9	560.6	574.9
55°	177.0	187.8	208.4	239.9	285.7	334.2	381.8	424.9	459.9	481.5	495.0
57.5°	134.7	142.8	157.2	188.7	230.0	274.9	315.3	358.4	385.4	400.7	409.6
60°	102.4	108.7	124.0	148.2	186.0	224.6	258.7	291.1	312.6	325.2	334.2
62.5°	77.2	84.5	95.2	115.9	144.6	176.1	204.8	229.1	247.0	255.1	261.4
65°	53.0	58.4	66.5	82.6	106.9	129.3	151.8	169.8	181.5	190.5	194.1
67.5°	39.5	43.1	47.6	60.2	77.2	95.2	110.5	123.1	135.7	139.3	145.5
70°	29.7	32.4	36.8	45.8	55.7	68.3	80.9	88.0	97.0	103.3	105.1
72.5°	18.9	19.7	24.3	29.7	37.7	45.8	53.9	60.2	65.6	69.2	71.0
75°	10.8	16.2	16.2	21.6	27.0	30.5	35.9	40.4	43.1	45.8	45.8
77.5°	7.2	9.9	10.8	13.5	16.2	20.7	25.1	27.8	30.5	31.4	31.4
80°	6.3	7.2	7.2	9.9	11.7	15.3	18.0	18.9	20.7	21.6	23.4
82.5°	2.7	3.6	4.5	7.2	8.1	8.1	10.8	11.7	13.5	14.4	14.4
85°	0.9	1.8	1.8	2.7	4.5	5.4	6.3	7.2	8.1	8.1	9.0
87.5°	0.9	0.9	0.0	0.9	1.8	1.8	3.6	3.6	3.6	5.4	5.4
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: P245957

CATALOG NUMBER: LSR8B50D010 EC8B509730 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8
2.5°	1823.6	1824.5	1820.9	1820.0	1818.2	1819.1	1820.9
5°	1790.4	1791.3	1787.7	1784.1	1784.1	1783.2	1784.1
7.5°	1758.9	1759.8	1754.4	1752.6	1749.0	1750.0	1750.0
10°	1727.5	1727.5	1719.4	1718.5	1715.8	1714.9	1714.9
12.5°	1696.9	1694.2	1688.0	1684.4	1686.2	1680.8	1680.8
15°	1670.0	1665.5	1657.4	1654.7	1650.2	1648.4	1648.4
17.5°	1642.1	1638.6	1631.4	1626.0	1620.6	1619.7	1620.6
20°	1615.2	1611.6	1602.6	1599.0	1594.6	1594.6	1592.7
22.5°	1588.2	1584.6	1576.6	1573.9	1567.6	1567.6	1568.5
25°	1560.4	1557.7	1548.7	1546.9	1546.0	1542.4	1544.2
27.5°	1522.7	1520.9	1513.7	1511.0	1507.4	1506.5	1508.3
30°	1453.5	1450.8	1445.4	1442.7	1436.4	1437.3	1439.1
32.5°	1367.3	1363.7	1356.5	1353.8	1348.4	1346.6	1347.5
35°	1259.5	1256.8	1250.5	1250.5	1245.1	1243.3	1245.1
37.5°	1149.9	1152.5	1149.9	1152.5	1149.9	1149.0	1149.9
40°	1046.6	1056.4	1058.2	1068.1	1064.5	1069.9	1069.0
42.5°	947.7	963.9	970.2	978.3	976.5	980.1	982.8
45°	848.0	861.5	867.8	873.2	874.1	875.9	876.8
47.5°	753.7	764.5	765.4	771.7	770.8	770.8	773.5
50°	665.7	672.9	674.6	679.1	675.6	673.7	674.6
52.5°	583.9	591.1	589.3	591.1	586.6	584.8	585.7
55°	500.4	503.9	503.9	503.9	498.6	498.6	498.6
57.5°	415.0	415.9	414.1	415.0	414.1	408.7	407.8
60°	336.9	336.9	336.0	336.9	334.2	331.5	331.5
62.5°	263.2	265.0	268.6	265.0	263.2	265.0	262.3
65°	196.7	200.3	199.4	201.2	200.3	200.3	198.5
67.5°	148.2	149.1	150.0	150.9	150.9	150.9	150.9
70°	108.7	111.4	110.5	110.5	110.5	110.5	115.9
72.5°	72.8	76.4	75.5	77.2	77.2	79.1	77.2
75°	49.4	53.0	51.2	53.9	53.0	51.2	55.7
77.5°	33.2	35.1	35.9	36.8	35.9	35.1	35.9
80°	23.4	25.1	24.3	25.1	25.1	25.1	26.1
82.5°	14.4	17.1	16.2	17.1	16.2	17.1	17.1
85°	9.9	10.8	9.0	10.8	9.9	9.9	11.7
87.5°	6.3	5.4	5.4	6.3	5.4	6.3	5.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)