

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: P245979

Luminaire Tested: **LSR8B30D010 EC8B30840 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245979
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: LSR8B30D010 EC8B30840 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3041.0 lumens
Efficiency: N/A
Efficacy: 112.2 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

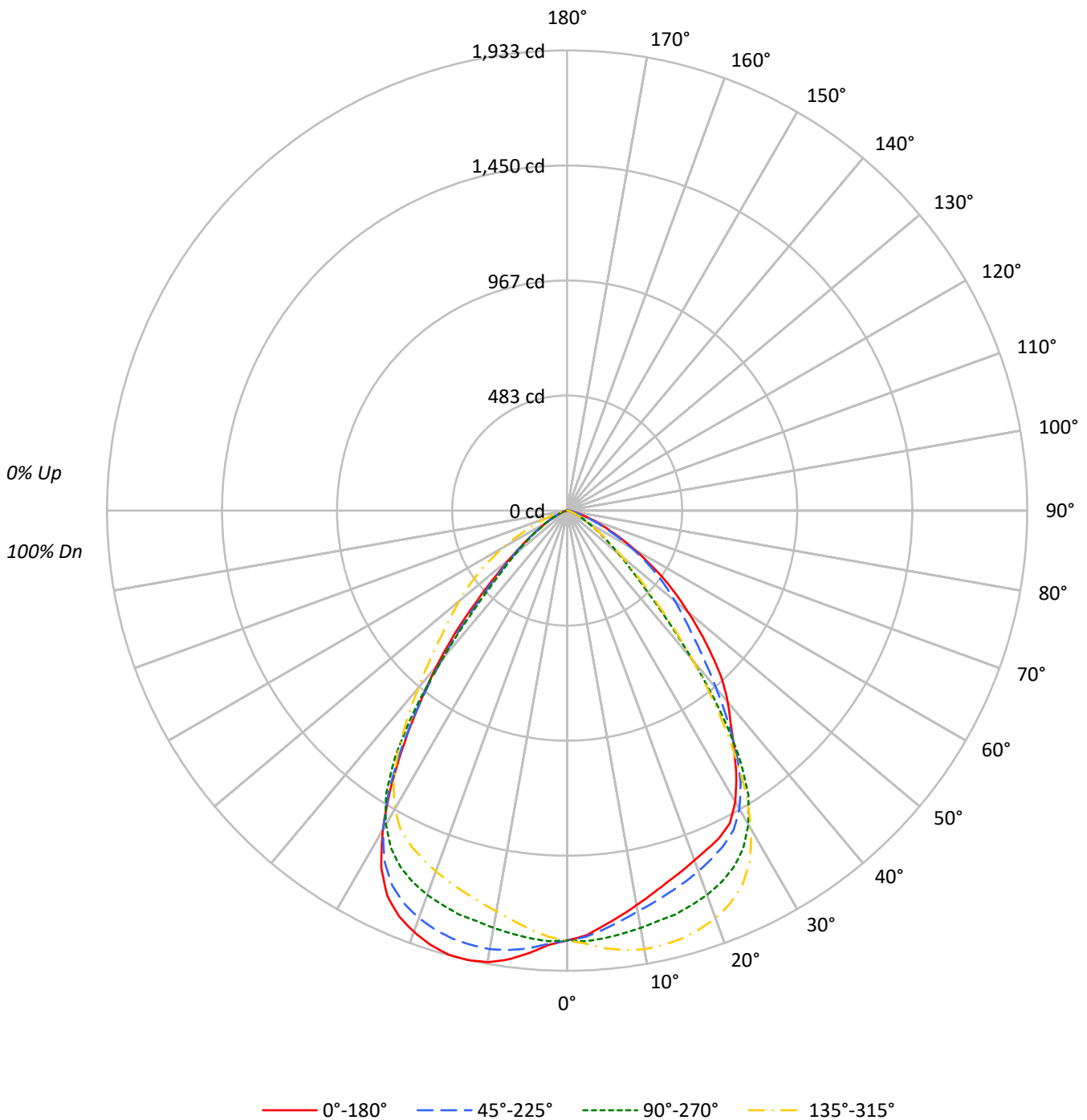
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	55669	55669	55669	55669
5°	54191	55801	57794	55801
10°	52692	55729	60310	55729
15°	51640	56059	61629	56059
20°	51287	56380	61788	56380
25°	51557	56266	60794	56266
30°	50284	54208	55180	54208
35°	45994	47289	44864	47289
40°	42226	32896	34349	32896
45°	37521	20069	23218	20069
50°	31758	13404	14886	13404
55°	26305	9145	9666	9145
60°	20062	6087	6143	6087
65°	14214	3794	3473	3794
70°	10251	2542	2308	2542
75°	6505	1263	1048	1263
80°	4546	941	781	941
85°	4069	0	318	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.8	5.7
10°-20°	497.6	16.4
20°-30°	753.5	24.8
30°-40°	755.2	24.8
40°-50°	474.2	15.6
50°-60°	252.7	8.3
60°-70°	103.9	3.4
70°-80°	27.5	0.9
80°-90°	4.6	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°	1422.9	46.8
0°-40°	2178.1	71.6
0°-60°	2905.0	95.5
0°-90°	3041.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3041.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1805	1805	1805	1805	1805	
5°	1751	1803	1867	1803	1751	165
15°	1618	1756	1930	1756	1618	457
25°	1515	1654	1787	1654	1515	695
35°	1222	1256	1192	1256	1222	765
45°	860	460	532	460	860	662
55°	489	170	180	170	489	436
65°	195	52	48	52	195	202
75°	55	11	9	11	55	62
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°	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3
2.5°	1786.8	1785.1	1784.2	1786.0	1786.8	1790.4	1789.5	1791.2	1791.2	1792.1	1793.9
5°	1750.7	1749.8	1750.7	1750.7	1754.2	1757.7	1756.9	1759.5	1761.3	1765.7	1767.4
7.5°	1717.2	1717.2	1716.3	1719.8	1721.6	1726.9	1726.0	1730.4	1733.1	1737.5	1743.6
10°	1682.8	1682.8	1683.7	1686.3	1687.2	1695.2	1695.2	1701.3	1704.8	1709.3	1717.2
12.5°	1649.3	1649.3	1654.6	1652.8	1656.4	1662.5	1665.2	1671.3	1676.6	1685.5	1693.4
15°	1617.6	1617.6	1619.4	1623.7	1626.4	1634.3	1638.7	1645.8	1652.0	1660.8	1672.3
17.5°	1590.3	1589.4	1590.3	1595.6	1600.8	1607.9	1611.4	1620.2	1626.4	1637.9	1648.5
20°	1562.9	1564.7	1564.7	1569.1	1572.6	1581.4	1585.0	1594.7	1601.7	1612.3	1624.7
22.5°	1539.1	1538.3	1538.3	1544.4	1547.1	1555.0	1558.5	1567.3	1575.3	1584.1	1595.6
25°	1515.3	1513.5	1517.1	1518.0	1519.7	1528.5	1531.2	1537.4	1545.3	1553.2	1564.7
27.5°	1480.1	1478.3	1479.2	1482.7	1485.4	1492.4	1494.2	1500.3	1506.5	1513.5	1523.3
30°	1412.2	1410.4	1409.6	1415.7	1418.4	1423.6	1426.3	1436.9	1438.6	1446.6	1453.6
32.5°	1322.3	1321.4	1323.2	1328.4	1331.1	1338.2	1341.7	1347.8	1352.2	1356.7	1363.7
35°	1221.8	1220.0	1221.8	1227.1	1227.1	1233.3	1235.9	1238.5	1237.6	1238.5	1236.8
37.5°	1128.4	1127.5	1128.4	1131.0	1128.4	1131.0	1128.4	1123.1	1113.4	1102.8	1092.2
40°	1049.0	1049.9	1044.6	1048.1	1038.4	1036.7	1027.0	1013.7	994.4	973.2	943.2
42.5°	964.4	961.7	958.2	960.0	952.1	945.9	930.0	913.3	888.6	853.3	817.2
45°	860.4	859.5	857.7	856.8	851.5	845.4	832.1	812.8	785.4	749.3	706.1
47.5°	759.0	756.3	756.3	757.2	751.0	750.2	739.6	722.8	699.0	663.8	618.8
50°	662.0	661.1	662.9	666.4	662.0	660.3	653.2	641.8	620.6	590.6	548.3
52.5°	574.7	573.9	575.6	580.0	578.3	580.0	573.0	564.2	550.1	521.0	484.0
55°	489.3	489.3	489.3	494.5	494.5	494.5	491.0	485.7	472.5	451.3	417.0
57.5°	400.2	401.1	406.4	407.3	406.4	408.2	407.3	402.0	393.2	378.2	351.7
60°	325.3	325.3	327.9	330.6	329.7	330.6	330.6	327.9	319.1	306.8	285.6
62.5°	257.4	260.0	258.3	260.0	263.6	260.0	258.3	256.5	250.4	242.4	224.8
65°	194.8	196.6	196.6	197.5	195.7	196.6	193.1	190.4	186.9	178.1	166.6
67.5°	148.1	148.1	148.1	148.1	147.2	146.3	145.5	142.8	136.6	133.1	120.8
70°	113.7	108.4	108.4	108.4	108.4	109.3	106.7	103.2	101.4	95.2	86.4
72.5°	75.8	77.6	75.8	75.8	74.1	74.9	71.4	69.6	67.9	64.4	59.1
75°	54.6	50.3	52.0	52.9	50.3	52.0	48.5	45.0	45.0	42.3	39.7
77.5°	35.3	34.4	35.3	36.1	35.3	34.4	32.6	30.8	30.8	30.0	27.3
80°	25.6	24.7	24.7	24.7	23.8	24.7	22.9	22.9	21.2	20.3	18.5
82.5°	16.8	16.8	15.9	16.8	15.9	16.8	14.1	14.1	14.1	13.2	11.5
85°	11.5	9.7	9.7	10.6	8.8	10.6	9.7	8.8	7.9	7.9	7.0
87.5°	5.3	6.2	5.3	6.2	5.3	5.3	6.2	5.3	5.3	3.5	3.5
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°	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3
2.5°	1796.5	1797.4	1797.4	1801.0	1802.7	1803.6	1803.6	1810.6	1808.0	1809.8	1811.5
5°	1771.0	1776.2	1778.0	1778.0	1787.7	1791.2	1794.8	1802.7	1803.6	1808.9	1815.0
7.5°	1746.3	1752.4	1756.0	1763.9	1770.1	1776.2	1786.8	1792.1	1797.4	1804.5	1812.4
10°	1722.5	1729.5	1736.6	1742.8	1752.4	1760.4	1767.4	1779.8	1786.0	1795.7	1806.2
12.5°	1699.6	1709.3	1715.4	1726.0	1736.6	1743.6	1754.2	1765.7	1775.4	1785.1	1797.4
15°	1679.3	1690.8	1697.8	1709.3	1720.7	1730.4	1741.9	1756.0	1763.0	1774.5	1786.0
17.5°	1657.2	1669.6	1678.4	1689.0	1703.1	1713.7	1723.4	1737.5	1746.3	1758.6	1771.9
20°	1634.3	1646.7	1657.2	1667.8	1681.9	1692.5	1704.0	1718.1	1727.8	1740.1	1750.7
22.5°	1607.0	1618.5	1629.9	1642.2	1656.4	1665.2	1678.4	1690.8	1701.3	1712.8	1723.4
25°	1571.7	1585.9	1594.7	1606.1	1617.6	1627.3	1641.4	1653.7	1662.5	1673.1	1682.8
27.5°	1530.3	1540.9	1547.9	1557.6	1569.1	1577.9	1588.5	1600.8	1609.7	1619.4	1626.4
30°	1459.8	1469.5	1475.7	1482.7	1494.2	1502.1	1510.9	1522.4	1528.5	1535.6	1541.8
32.5°	1367.2	1375.2	1378.7	1384.0	1391.9	1399.8	1406.9	1416.6	1419.2	1423.6	1423.6
35°	1233.3	1235.0	1234.1	1235.9	1239.4	1243.8	1250.0	1256.2	1259.7	1259.7	1257.1
37.5°	1076.3	1065.8	1054.3	1045.5	1042.8	1041.1	1044.6	1047.2	1050.8	1052.5	1048.1
40°	913.3	889.5	863.9	841.0	825.1	818.1	815.4	817.2	817.2	823.3	823.3
42.5°	773.1	736.1	698.2	663.8	640.8	623.2	615.3	615.3	616.2	620.6	623.2
45°	656.7	610.0	565.9	528.0	496.3	473.4	462.8	460.2	459.3	461.0	467.2
47.5°	567.7	519.2	473.4	426.7	393.2	370.2	360.6	357.0	353.5	357.0	357.9
50°	498.1	447.8	399.3	352.6	317.3	297.1	284.7	279.4	278.6	278.6	280.3
52.5°	434.6	387.9	339.4	291.8	254.7	235.4	223.9	221.3	217.7	221.3	221.3
55°	374.6	327.9	280.3	235.4	204.5	184.3	173.7	170.1	168.4	171.0	171.0
57.5°	309.4	269.7	225.7	185.1	154.3	140.2	132.2	127.8	126.9	128.7	126.9
60°	253.9	220.4	182.5	145.5	121.7	106.7	100.5	98.7	97.0	98.7	98.7
62.5°	201.0	172.8	141.9	113.7	93.4	82.9	75.8	75.8	74.9	74.9	75.8
65°	149.0	126.9	104.9	81.1	65.2	57.3	52.0	52.0	51.1	52.0	51.1
67.5°	108.4	93.4	75.8	59.1	46.7	42.3	38.8	36.1	37.9	36.1	35.3
70°	79.4	67.0	54.6	45.0	36.1	31.7	29.1	28.2	26.5	26.5	26.5
72.5°	52.9	45.0	37.0	29.1	23.8	19.4	18.5	16.8	15.0	15.9	17.6
75°	35.3	30.0	26.5	21.2	15.9	15.9	10.6	10.6	8.8	10.6	7.9
77.5°	24.7	20.3	15.9	13.2	10.6	9.7	7.0	7.0	6.2	6.2	6.2
80°	17.6	15.0	11.5	9.7	7.0	7.0	6.2	5.3	4.4	4.4	5.3
82.5°	10.6	7.9	7.9	7.0	4.4	3.5	2.6	3.5	1.8	1.8	1.8
85°	6.2	5.3	4.4	2.6	1.8	1.8	0.9	0.0	0.9	0.9	0.0
87.5°	3.5	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°	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3
2.5°	1815.9	1815.0	1816.8	1816.8	1822.1	1821.2	1823.9	1823.9	1822.1	1823.0	1826.5
5°	1822.1	1824.8	1830.0	1834.4	1842.4	1845.9	1850.3	1854.7	1855.6	1858.2	1860.9
7.5°	1822.1	1830.9	1837.1	1845.0	1855.6	1861.8	1871.5	1879.4	1882.9	1887.3	1892.6
10°	1818.6	1827.4	1838.8	1847.7	1860.9	1870.6	1880.3	1892.6	1897.9	1904.9	1912.0
12.5°	1811.5	1821.2	1833.5	1845.0	1860.0	1868.8	1881.1	1892.6	1900.6	1910.2	1918.2
15°	1801.0	1812.4	1823.9	1835.3	1851.2	1861.8	1873.2	1886.4	1894.4	1904.9	1912.0
17.5°	1784.2	1796.5	1807.1	1817.7	1832.7	1845.0	1855.6	1867.9	1875.9	1884.7	1894.4
20°	1763.9	1775.4	1786.8	1795.7	1810.6	1821.2	1832.7	1844.1	1850.3	1852.1	1867.1
22.5°	1738.4	1746.3	1755.1	1769.2	1778.0	1787.7	1798.3	1808.9	1815.0	1824.8	1830.0
25°	1696.0	1704.0	1713.7	1719.8	1730.4	1738.4	1748.9	1760.4	1763.9	1771.0	1776.2
27.5°	1637.0	1641.4	1645.8	1651.1	1657.2	1661.7	1667.8	1673.1	1676.6	1680.2	1683.7
30°	1543.5	1543.5	1543.5	1540.0	1542.6	1545.3	1546.2	1545.3	1545.3	1544.4	1544.4
32.5°	1420.1	1413.1	1405.1	1398.1	1395.4	1391.9	1390.1	1387.5	1383.1	1380.5	1381.3
35°	1253.5	1237.6	1228.0	1219.1	1212.1	1206.8	1204.2	1201.5	1200.6	1197.1	1193.6
37.5°	1045.5	1034.0	1027.0	1021.7	1015.5	1010.2	1011.1	1012.0	1014.6	1012.9	1013.7
40°	825.1	822.4	825.1	818.9	817.2	818.9	823.3	829.5	833.0	836.6	842.7
42.5°	627.6	632.0	638.2	638.2	640.8	644.4	649.7	659.4	664.6	670.8	677.9
45°	472.5	477.8	485.7	488.3	490.1	494.5	500.7	508.6	512.1	517.4	523.6
47.5°	364.1	367.6	372.0	376.4	380.8	382.6	388.7	388.7	393.2	396.7	398.4
50°	283.8	287.4	290.9	293.5	295.3	298.0	299.7	302.4	303.2	305.0	305.9
52.5°	222.1	226.6	226.6	228.3	230.9	233.6	232.7	233.6	234.5	234.5	237.1
55°	173.7	173.7	176.3	176.3	178.1	177.2	178.1	178.1	178.1	178.1	179.0
57.5°	129.6	130.5	133.1	131.3	130.5	132.2	130.5	132.2	131.3	133.1	130.5
60°	99.6	99.6	100.5	100.5	101.4	101.4	101.4	100.5	100.5	99.6	99.6
62.5°	74.9	75.8	76.7	75.8	75.8	75.8	74.9	74.9	74.1	73.1	73.1
65°	50.3	49.4	51.1	49.4	50.3	50.3	49.4	50.3	47.6	48.5	47.6
67.5°	36.1	35.3	34.4	35.3	34.4	33.5	33.5	34.4	35.3	32.6	32.6
70°	23.8	24.7	23.8	24.7	25.6	25.6	24.7	23.8	24.7	22.9	23.8
72.5°	15.0	15.0	15.0	15.0	15.0	15.9	15.9	15.9	14.1	14.1	13.2
75°	7.0	9.7	7.9	7.0	9.7	9.7	8.8	8.8	7.9	7.9	7.9
77.5°	7.0	5.3	5.3	5.3	5.3	5.3	5.3	5.3	4.4	5.3	4.4
80°	3.5	3.5	3.5	2.6	3.5	3.5	4.4	3.5	3.5	2.6	4.4
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: P245979

CATALOG NUMBER: LSR8B30D010 EC8B30840 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3
2.5°	1825.6	1824.8	1825.6	1826.5	1825.6	1824.8	1825.6	1826.5	1823.0	1822.1	1823.9
5°	1864.4	1864.4	1866.2	1867.1	1866.2	1864.4	1864.4	1860.9	1858.2	1855.6	1854.7
7.5°	1897.9	1899.7	1901.4	1902.3	1901.4	1899.7	1897.9	1892.6	1887.3	1882.9	1879.4
10°	1918.2	1920.8	1924.4	1926.1	1924.4	1920.8	1918.2	1912.0	1904.9	1897.9	1892.6
12.5°	1927.0	1929.7	1934.0	1933.2	1934.0	1929.7	1927.0	1918.2	1910.2	1900.6	1892.6
15°	1920.8	1924.4	1928.7	1930.5	1928.7	1924.4	1920.8	1912.0	1904.9	1894.4	1886.4
17.5°	1901.4	1906.7	1909.4	1912.0	1909.4	1906.7	1901.4	1894.4	1884.7	1875.9	1867.9
20°	1875.0	1878.5	1882.0	1882.9	1882.0	1878.5	1875.0	1867.1	1852.1	1850.3	1844.1
22.5°	1837.1	1839.7	1847.7	1845.0	1847.7	1839.7	1837.1	1830.0	1824.8	1815.0	1808.9
25°	1782.4	1785.1	1786.0	1786.8	1786.0	1785.1	1782.4	1776.2	1771.0	1763.9	1760.4
27.5°	1688.1	1688.1	1689.9	1690.8	1689.9	1688.1	1688.1	1683.7	1680.2	1676.6	1673.1
30°	1545.3	1545.3	1545.3	1549.7	1545.3	1545.3	1545.3	1544.4	1544.4	1545.3	1545.3
32.5°	1380.5	1378.7	1376.9	1378.7	1376.9	1378.7	1380.5	1381.3	1380.5	1383.1	1387.5
35°	1193.6	1192.7	1195.3	1191.8	1195.3	1192.7	1193.6	1193.6	1197.1	1200.6	1201.5
37.5°	1014.6	1012.9	1016.4	1012.9	1016.4	1012.9	1014.6	1013.7	1012.9	1014.6	1012.0
40°	844.5	846.3	846.3	853.3	846.3	846.3	844.5	842.7	836.6	833.0	829.5
42.5°	681.4	686.7	684.9	690.2	684.9	686.7	681.4	677.9	670.8	664.6	659.4
45°	527.1	530.7	530.7	532.4	530.7	530.7	527.1	523.6	517.4	512.1	508.6
47.5°	404.6	404.6	404.6	405.5	404.6	404.6	404.6	398.4	396.7	393.2	388.7
50°	307.7	308.5	309.4	310.3	309.4	308.5	307.7	305.9	305.0	303.2	302.4
52.5°	236.2	237.1	235.4	237.1	235.4	237.1	236.2	237.1	234.5	234.5	233.6
55°	179.0	178.1	179.0	179.8	179.0	178.1	179.0	179.0	178.1	178.1	178.1
57.5°	131.3	129.6	129.6	129.6	129.6	129.6	131.3	130.5	133.1	131.3	132.2
60°	97.9	98.7	98.7	99.6	98.7	98.7	97.9	99.6	99.6	100.5	100.5
62.5°	72.3	74.9	73.1	74.9	73.1	74.9	72.3	73.1	73.1	74.1	74.9
65°	46.7	46.7	46.7	47.6	46.7	46.7	46.7	47.6	48.5	47.6	50.3
67.5°	31.7	32.6	34.4	33.5	34.4	32.6	31.7	32.6	32.6	35.3	34.4
70°	25.6	22.9	22.9	25.6	22.9	22.9	25.6	23.8	22.9	24.7	23.8
72.5°	15.0	13.2	15.0	15.0	15.0	13.2	15.0	13.2	14.1	14.1	15.9
75°	7.9	7.0	6.2	8.8	6.2	7.0	7.9	7.9	7.9	7.9	8.8
77.5°	5.3	4.4	6.2	6.2	6.2	4.4	5.3	4.4	5.3	4.4	5.3
80°	2.6	3.5	2.6	4.4	2.6	3.5	2.6	4.4	2.6	3.5	3.5
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: P245979

CATALOG NUMBER: LSR8B30D010 EC8B30840 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3
2.5°	1823.9	1821.2	1822.1	1816.8	1816.8	1815.0	1815.9	1811.5	1809.8	1808.0	1810.6
5°	1850.3	1845.9	1842.4	1834.4	1830.0	1824.8	1822.1	1815.0	1808.9	1803.6	1802.7
7.5°	1871.5	1861.8	1855.6	1845.0	1837.1	1830.9	1822.1	1812.4	1804.5	1797.4	1792.1
10°	1880.3	1870.6	1860.9	1847.7	1838.8	1827.4	1818.6	1806.2	1795.7	1786.0	1779.8
12.5°	1881.1	1868.8	1860.0	1845.0	1833.5	1821.2	1811.5	1797.4	1785.1	1775.4	1765.7
15°	1873.2	1861.8	1851.2	1835.3	1823.9	1812.4	1801.0	1786.0	1774.5	1763.0	1756.0
17.5°	1855.6	1845.0	1832.7	1817.7	1807.1	1796.5	1784.2	1771.9	1758.6	1746.3	1737.5
20°	1832.7	1821.2	1810.6	1795.7	1786.8	1775.4	1763.9	1750.7	1740.1	1727.8	1718.1
22.5°	1798.3	1787.7	1778.0	1769.2	1755.1	1746.3	1738.4	1723.4	1712.8	1701.3	1690.8
25°	1748.9	1738.4	1730.4	1719.8	1713.7	1704.0	1696.0	1682.8	1673.1	1662.5	1653.7
27.5°	1667.8	1661.7	1657.2	1651.1	1645.8	1641.4	1637.0	1626.4	1619.4	1609.7	1600.8
30°	1546.2	1545.3	1542.6	1540.0	1543.5	1543.5	1543.5	1541.8	1535.6	1528.5	1522.4
32.5°	1390.1	1391.9	1395.4	1398.1	1405.1	1413.1	1420.1	1423.6	1423.6	1419.2	1416.6
35°	1204.2	1206.8	1212.1	1219.1	1228.0	1237.6	1253.5	1257.1	1259.7	1259.7	1256.2
37.5°	1011.1	1010.2	1015.5	1021.7	1027.0	1034.0	1045.5	1048.1	1052.5	1050.8	1047.2
40°	823.3	818.9	817.2	818.9	825.1	822.4	825.1	823.3	823.3	817.2	817.2
42.5°	649.7	644.4	640.8	638.2	638.2	632.0	627.6	623.2	620.6	616.2	615.3
45°	500.7	494.5	490.1	488.3	485.7	477.8	472.5	467.2	461.0	459.3	460.2
47.5°	388.7	382.6	380.8	376.4	372.0	367.6	364.1	357.9	357.0	353.5	357.0
50°	299.7	298.0	295.3	293.5	290.9	287.4	283.8	280.3	278.6	278.6	279.4
52.5°	232.7	233.6	230.9	228.3	226.6	226.6	222.1	221.3	221.3	217.7	221.3
55°	178.1	177.2	178.1	176.3	176.3	173.7	173.7	171.0	171.0	168.4	170.1
57.5°	130.5	132.2	130.5	131.3	133.1	130.5	129.6	126.9	128.7	126.9	127.8
60°	101.4	101.4	101.4	100.5	100.5	99.6	99.6	98.7	98.7	97.0	98.7
62.5°	74.9	75.8	75.8	75.8	76.7	75.8	74.9	75.8	74.9	74.9	75.8
65°	49.4	50.3	50.3	49.4	51.1	49.4	50.3	51.1	52.0	51.1	52.0
67.5°	33.5	33.5	34.4	35.3	34.4	35.3	36.1	35.3	36.1	37.9	36.1
70°	24.7	25.6	25.6	24.7	23.8	24.7	23.8	26.5	26.5	26.5	28.2
72.5°	15.9	15.9	15.0	15.0	15.0	15.0	15.0	17.6	15.9	15.0	16.8
75°	8.8	9.7	9.7	7.0	7.9	9.7	7.0	7.9	10.6	8.8	10.6
77.5°	5.3	5.3	5.3	5.3	5.3	5.3	7.0	6.2	6.2	6.2	7.0
80°	4.4	3.5	3.5	2.6	3.5	3.5	3.5	5.3	4.4	4.4	5.3
82.5°	1.8	1.8	0.9	0.0	1.8	1.8	1.8	1.8	1.8	1.8	3.5
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: P245979

CATALOG NUMBER: LSR8B30D010 EC8B30840 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3
2.5°	1803.6	1803.6	1802.7	1801.0	1797.4	1797.4	1796.5	1793.9	1792.1	1791.2	1791.2
5°	1794.8	1791.2	1787.7	1778.0	1778.0	1776.2	1771.0	1767.4	1765.7	1761.3	1759.5
7.5°	1786.8	1776.2	1770.1	1763.9	1756.0	1752.4	1746.3	1743.6	1737.5	1733.1	1730.4
10°	1767.4	1760.4	1752.4	1742.8	1736.6	1729.5	1722.5	1717.2	1709.3	1704.8	1701.3
12.5°	1754.2	1743.6	1736.6	1726.0	1715.4	1709.3	1699.6	1693.4	1685.5	1676.6	1671.3
15°	1741.9	1730.4	1720.7	1709.3	1697.8	1690.8	1679.3	1672.3	1660.8	1652.0	1645.8
17.5°	1723.4	1713.7	1703.1	1689.0	1678.4	1669.6	1657.2	1648.5	1637.9	1626.4	1620.2
20°	1704.0	1692.5	1681.9	1667.8	1657.2	1646.7	1634.3	1624.7	1612.3	1601.7	1594.7
22.5°	1678.4	1665.2	1656.4	1642.2	1629.9	1618.5	1607.0	1595.6	1584.1	1575.3	1567.3
25°	1641.4	1627.3	1617.6	1606.1	1594.7	1585.9	1571.7	1564.7	1553.2	1545.3	1537.4
27.5°	1588.5	1577.9	1569.1	1557.6	1547.9	1540.9	1530.3	1523.3	1513.5	1506.5	1500.3
30°	1510.9	1502.1	1494.2	1482.7	1475.7	1469.5	1459.8	1453.6	1446.6	1438.6	1436.9
32.5°	1406.9	1399.8	1391.9	1384.0	1378.7	1375.2	1367.2	1363.7	1356.7	1352.2	1347.8
35°	1250.0	1243.8	1239.4	1235.9	1234.1	1235.0	1233.3	1236.8	1238.5	1237.6	1238.5
37.5°	1044.6	1041.1	1042.8	1045.5	1054.3	1065.8	1076.3	1092.2	1102.8	1113.4	1123.1
40°	815.4	818.1	825.1	841.0	863.9	889.5	913.3	943.2	973.2	994.4	1013.7
42.5°	615.3	623.2	640.8	663.8	698.2	736.1	773.1	817.2	853.3	888.6	913.3
45°	462.8	473.4	496.3	528.0	565.9	610.0	656.7	706.1	749.3	785.4	812.8
47.5°	360.6	370.2	393.2	426.7	473.4	519.2	567.7	618.8	663.8	699.0	722.8
50°	284.7	297.1	317.3	352.6	399.3	447.8	498.1	548.3	590.6	620.6	641.8
52.5°	223.9	235.4	254.7	291.8	339.4	387.9	434.6	484.0	521.0	550.1	564.2
55°	173.7	184.3	204.5	235.4	280.3	327.9	374.6	417.0	451.3	472.5	485.7
57.5°	132.2	140.2	154.3	185.1	225.7	269.7	309.4	351.7	378.2	393.2	402.0
60°	100.5	106.7	121.7	145.5	182.5	220.4	253.9	285.6	306.8	319.1	327.9
62.5°	75.8	82.9	93.4	113.7	141.9	172.8	201.0	224.8	242.4	250.4	256.5
65°	52.0	57.3	65.2	81.1	104.9	126.9	149.0	166.6	178.1	186.9	190.4
67.5°	38.8	42.3	46.7	59.1	75.8	93.4	108.4	120.8	133.1	136.6	142.8
70°	29.1	31.7	36.1	45.0	54.6	67.0	79.4	86.4	95.2	101.4	103.2
72.5°	18.5	19.4	23.8	29.1	37.0	45.0	52.9	59.1	64.4	67.9	69.6
75°	10.6	15.9	15.9	21.2	26.5	30.0	35.3	39.7	42.3	45.0	45.0
77.5°	7.0	9.7	10.6	13.2	15.9	20.3	24.7	27.3	30.0	30.8	30.8
80°	6.2	7.0	7.0	9.7	11.5	15.0	17.6	18.5	20.3	21.2	22.9
82.5°	2.6	3.5	4.4	7.0	7.9	7.9	10.6	11.5	13.2	14.1	14.1
85°	0.9	1.8	1.8	2.6	4.4	5.3	6.2	7.0	7.9	7.9	8.8
87.5°	0.9	0.9	0.0	0.9	1.8	1.8	3.5	3.5	3.5	5.3	5.3
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: P245979

CATALOG NUMBER: LSR8B30D010 EC8B30840 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3
2.5°	1789.5	1790.4	1786.8	1786.0	1784.2	1785.1	1786.8
5°	1756.9	1757.7	1754.2	1750.7	1750.7	1749.8	1750.7
7.5°	1726.0	1726.9	1721.6	1719.8	1716.3	1717.2	1717.2
10°	1695.2	1695.2	1687.2	1686.3	1683.7	1682.8	1682.8
12.5°	1665.2	1662.5	1656.4	1652.8	1654.6	1649.3	1649.3
15°	1638.7	1634.3	1626.4	1623.7	1619.4	1617.6	1617.6
17.5°	1611.4	1607.9	1600.8	1595.6	1590.3	1589.4	1590.3
20°	1585.0	1581.4	1572.6	1569.1	1564.7	1564.7	1562.9
22.5°	1558.5	1555.0	1547.1	1544.4	1538.3	1538.3	1539.1
25°	1531.2	1528.5	1519.7	1518.0	1517.1	1513.5	1515.3
27.5°	1494.2	1492.4	1485.4	1482.7	1479.2	1478.3	1480.1
30°	1426.3	1423.6	1418.4	1415.7	1409.6	1410.4	1412.2
32.5°	1341.7	1338.2	1331.1	1328.4	1323.2	1321.4	1322.3
35°	1235.9	1233.3	1227.1	1227.1	1221.8	1220.0	1221.8
37.5°	1128.4	1131.0	1128.4	1131.0	1128.4	1127.5	1128.4
40°	1027.0	1036.7	1038.4	1048.1	1044.6	1049.9	1049.0
42.5°	930.0	945.9	952.1	960.0	958.2	961.7	964.4
45°	832.1	845.4	851.5	856.8	857.7	859.5	860.4
47.5°	739.6	750.2	751.0	757.2	756.3	756.3	759.0
50°	653.2	660.3	662.0	666.4	662.9	661.1	662.0
52.5°	573.0	580.0	578.3	580.0	575.6	573.9	574.7
55°	491.0	494.5	494.5	494.5	489.3	489.3	489.3
57.5°	407.3	408.2	406.4	407.3	406.4	401.1	400.2
60°	330.6	330.6	329.7	330.6	327.9	325.3	325.3
62.5°	258.3	260.0	263.6	260.0	258.3	260.0	257.4
65°	193.1	196.6	195.7	197.5	196.6	196.6	194.8
67.5°	145.5	146.3	147.2	148.1	148.1	148.1	148.1
70°	106.7	109.3	108.4	108.4	108.4	108.4	113.7
72.5°	71.4	74.9	74.1	75.8	75.8	77.6	75.8
75°	48.5	52.0	50.3	52.9	52.0	50.3	54.6
77.5°	32.6	34.4	35.3	36.1	35.3	34.4	35.3
80°	22.9	24.7	23.8	24.7	24.7	24.7	25.6
82.5°	14.1	16.8	15.9	16.8	15.9	16.8	16.8
85°	9.7	10.6	8.8	10.6	9.7	9.7	11.5
87.5°	6.2	5.3	5.3	6.2	5.3	6.2	5.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)