

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: P245944

Luminaire Tested: **LD8B40D010 ER8B40950 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245944
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: LD8B40D010 ER8B40950 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 5000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3100.0 lumens
Efficiency: N/A
Efficacy: 75.8 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

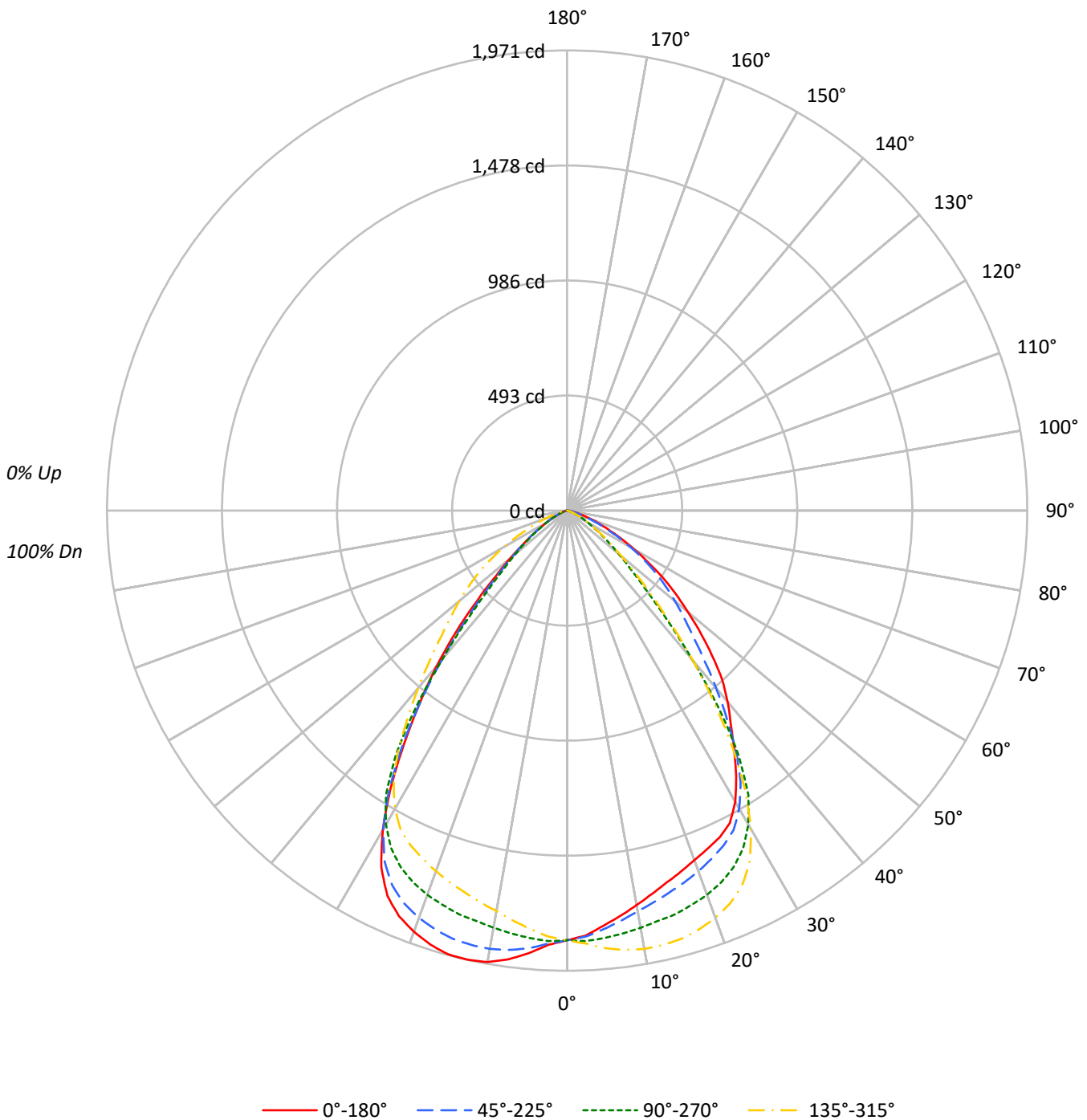
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P245944

CATALOG NUMBER: LD8B40D010 ER8B40950 8LBSW0B

Luminous Intensity Polar Plot





TEST NUMBER: P245944

CATALOG NUMBER: LD8B40D010 ER8B40950 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	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°	56751	56751	56751	56751
5°	55244	56884	58915	56884
10°	53716	56809	61481	56809
15°	52643	57147	62827	57147
20°	52285	57473	62989	57473
25°	52557	57358	61975	57358
30°	51259	55258	56251	55258
35°	46886	48203	45734	48203
40°	43048	33532	35017	33532
45°	38250	20457	23671	20457
50°	32372	13663	15174	13663
55°	26811	9322	9854	9322
60°	20451	6204	6260	6204
65°	14491	3867	3539	3867
70°	10449	2588	2353	2588
75°	6636	1287	1072	1287
80°	4635	959	799	959
85°	4140	0	318	0



TEST NUMBER: P245944

CATALOG NUMBER: LD8B40D010 ER8B40950 8LBSW0B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.2	5.7
10°-20°	507.3	16.4
20°-30°	768.1	24.8
30°-40°	769.8	24.8
40°-50°	483.4	15.6
50°-60°	257.6	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°	1450.5	46.8
0°-40°	2220.3	71.6
0°-60°	2961.3	95.5
0°-90°	3100.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3100.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1840	1840	1840	1840	1840	
5°	1785	1838	1903	1838	1785	168
15°	1649	1790	1968	1790	1649	466
25°	1545	1686	1822	1686	1545	708
35°	1246	1280	1215	1280	1246	780
45°	877	469	543	469	877	675
55°	499	173	183	173	499	445
65°	199	53	48	53	199	206
75°	56	11	9	11	56	63
85°	12	0	1	0	12	13
90°	0	0	0	0	0	



TEST NUMBER: P245944

CATALOG NUMBER: LD8B40D010 ER8B40950 8LBSW0B

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4
2.5°	1821.5	1819.7	1818.8	1820.6	1821.5	1825.1	1824.2	1826.0	1826.0	1826.9	1828.7
5°	1784.7	1783.7	1784.7	1784.7	1788.3	1791.8	1791.0	1793.7	1795.4	1799.9	1801.7
7.5°	1750.5	1750.5	1749.6	1753.2	1755.0	1760.4	1759.5	1764.0	1766.7	1771.2	1777.5
10°	1715.5	1715.5	1716.4	1719.1	1720.0	1728.0	1728.0	1734.3	1737.9	1742.4	1750.5
12.5°	1681.3	1681.3	1686.7	1684.9	1688.5	1694.8	1697.5	1703.8	1709.2	1718.2	1726.3
15°	1649.0	1649.0	1650.8	1655.2	1657.9	1666.0	1670.5	1677.7	1684.0	1693.0	1704.7
17.5°	1621.1	1620.2	1621.1	1626.5	1631.9	1639.1	1642.7	1651.7	1657.9	1669.6	1680.4
20°	1593.3	1595.1	1595.1	1599.5	1603.1	1612.1	1615.7	1625.6	1632.8	1643.6	1656.2
22.5°	1569.0	1568.1	1568.1	1574.4	1577.1	1585.2	1588.7	1597.7	1605.8	1614.8	1626.5
25°	1544.7	1542.9	1546.5	1547.4	1549.2	1558.2	1560.9	1567.2	1575.3	1583.4	1595.1
27.5°	1508.8	1507.0	1507.9	1511.5	1514.2	1521.4	1523.2	1529.5	1535.7	1542.9	1552.8
30°	1439.6	1437.8	1436.9	1443.2	1445.9	1451.3	1454.0	1464.8	1466.5	1474.6	1481.8
32.5°	1347.9	1347.0	1348.8	1354.2	1356.9	1364.1	1367.7	1374.0	1378.5	1383.0	1390.2
35°	1245.5	1243.7	1245.5	1250.9	1250.9	1257.2	1259.9	1262.5	1261.7	1262.5	1260.8
37.5°	1150.3	1149.3	1150.3	1152.9	1150.3	1152.9	1150.3	1144.9	1135.0	1124.2	1113.4
40°	1069.4	1070.2	1064.9	1068.5	1058.6	1056.8	1046.9	1033.4	1013.7	992.1	961.5
42.5°	983.1	980.4	976.8	978.6	970.5	964.2	948.0	931.0	905.8	869.9	833.0
45°	877.1	876.2	874.4	873.5	868.1	861.8	848.3	828.5	800.7	763.8	719.8
47.5°	773.7	771.0	771.0	771.9	765.6	764.7	753.9	736.9	712.6	676.7	630.8
50°	674.8	674.0	675.8	679.4	674.8	673.1	665.9	654.2	632.6	602.1	558.9
52.5°	585.9	585.0	586.8	591.3	589.5	591.3	584.1	575.1	560.7	531.1	493.3
55°	498.7	498.7	498.7	504.1	504.1	504.1	500.5	495.2	481.7	460.1	425.1
57.5°	408.0	408.9	414.3	415.2	414.3	416.1	415.2	409.8	400.8	385.5	358.6
60°	331.6	331.6	334.3	337.0	336.1	337.0	337.0	334.3	325.3	312.7	291.2
62.5°	262.4	265.1	263.3	265.1	268.7	265.1	263.3	261.5	255.2	247.1	229.1
65°	198.6	200.4	200.4	201.3	199.5	200.4	196.8	194.1	190.5	181.5	169.8
67.5°	151.0	151.0	151.0	151.0	150.1	149.2	148.3	145.6	139.3	135.7	123.1
70°	115.9	110.5	110.5	110.5	110.5	111.4	108.7	105.2	103.3	97.1	88.1
72.5°	77.3	79.1	77.3	77.3	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°	36.0	35.1	36.0	36.8	36.0	35.1	33.3	31.4	31.4	30.6	27.9
80°	26.1	25.2	25.2	25.2	24.3	25.2	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



TEST NUMBER: P245944

CATALOG NUMBER: LD8B40D010 ER8B40950 8LBSW0B

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4
2.5°	1831.4	1832.3	1832.3	1835.9	1837.7	1838.6	1838.6	1845.8	1843.1	1844.9	1846.7
5°	1805.3	1810.7	1812.5	1812.5	1822.4	1826.0	1829.6	1837.7	1838.6	1844.0	1850.2
7.5°	1780.2	1786.4	1790.1	1798.1	1804.4	1810.7	1821.5	1826.9	1832.3	1839.5	1847.5
10°	1755.9	1763.1	1770.3	1776.6	1786.4	1794.5	1801.7	1814.3	1820.6	1830.5	1841.3
12.5°	1732.6	1742.4	1748.7	1759.5	1770.3	1777.5	1788.3	1799.9	1809.8	1819.7	1832.3
15°	1711.9	1723.6	1730.7	1742.4	1754.1	1764.0	1775.7	1790.1	1797.2	1808.9	1820.6
17.5°	1689.4	1702.0	1711.0	1721.8	1736.1	1746.9	1756.8	1771.2	1780.2	1792.7	1806.2
20°	1666.0	1678.6	1689.4	1700.2	1714.6	1725.3	1737.0	1751.4	1761.3	1773.9	1784.7
22.5°	1638.2	1649.9	1661.5	1674.1	1688.5	1697.5	1711.0	1723.6	1734.3	1746.0	1756.8
25°	1602.2	1616.6	1625.6	1637.3	1649.0	1658.8	1673.2	1685.8	1694.8	1705.6	1715.5
27.5°	1560.0	1570.8	1578.0	1587.9	1599.5	1608.5	1619.3	1631.9	1640.9	1650.8	1657.9
30°	1488.1	1498.0	1504.3	1511.5	1523.2	1531.3	1540.3	1551.9	1558.2	1565.4	1571.7
32.5°	1393.7	1401.8	1405.4	1410.8	1418.9	1427.0	1434.2	1444.1	1446.8	1451.3	1451.3
35°	1257.2	1259.0	1258.1	1259.9	1263.5	1267.9	1274.2	1280.5	1284.1	1284.1	1281.4
37.5°	1097.2	1086.4	1074.8	1065.8	1063.1	1061.3	1064.9	1067.5	1071.2	1072.9	1068.5
40°	931.0	906.7	880.6	857.3	841.1	833.9	831.2	833.0	833.0	839.3	839.3
42.5°	788.1	750.3	711.7	676.7	653.3	635.3	627.2	627.2	628.1	632.6	635.3
45°	669.5	621.8	576.9	538.3	505.9	482.5	471.8	469.1	468.2	470.0	476.3
47.5°	578.7	529.3	482.5	434.9	400.8	377.4	367.5	363.9	360.3	363.9	364.8
50°	507.7	456.5	407.1	359.4	323.5	302.8	290.2	284.8	284.0	284.0	285.8
52.5°	443.0	395.4	346.0	297.5	259.7	239.9	228.3	225.6	222.0	225.6	225.6
55°	381.9	334.3	285.8	239.9	208.5	187.8	177.0	173.4	171.6	174.3	174.3
57.5°	315.4	275.0	230.1	188.7	157.3	142.9	134.8	130.3	129.4	131.2	129.4
60°	258.8	224.7	186.0	148.3	124.0	108.7	102.5	100.6	98.8	100.6	100.6
62.5°	204.9	176.1	144.7	115.9	95.2	84.5	77.3	77.3	76.4	76.4	77.3
65°	151.9	129.4	106.9	82.7	66.5	58.4	53.0	53.0	52.1	53.0	52.1
67.5°	110.5	95.2	77.3	60.2	47.6	43.1	39.5	36.8	38.7	36.8	36.0
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	19.8	18.9	17.1	15.3	16.2	18.0
75°	36.0	30.6	27.0	21.6	16.2	16.2	10.8	10.8	9.0	10.8	8.1
77.5°	25.2	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



TEST NUMBER: P245944

CATALOG NUMBER: LD8B40D010 ER8B40950 8LBSW0B

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4
2.5°	1851.2	1850.2	1852.1	1852.1	1857.5	1856.5	1859.2	1859.2	1857.5	1858.3	1861.9
5°	1857.5	1860.2	1865.5	1870.0	1878.1	1881.7	1886.2	1890.7	1891.6	1894.3	1897.0
7.5°	1857.5	1866.4	1872.7	1880.8	1891.6	1897.9	1907.8	1915.9	1919.5	1923.9	1929.3
10°	1853.8	1862.8	1874.5	1883.5	1897.0	1906.9	1916.8	1929.3	1934.7	1941.9	1949.1
12.5°	1846.7	1856.5	1869.1	1880.8	1896.1	1905.1	1917.6	1929.3	1937.4	1947.3	1955.4
15°	1835.9	1847.5	1859.2	1870.9	1887.1	1897.9	1909.6	1923.0	1931.1	1941.9	1949.1
17.5°	1818.8	1831.4	1842.2	1852.9	1868.2	1880.8	1891.6	1904.2	1912.3	1921.3	1931.1
20°	1798.1	1809.8	1821.5	1830.5	1845.8	1856.5	1868.2	1879.9	1886.2	1888.0	1903.3
22.5°	1772.1	1780.2	1789.1	1803.5	1812.5	1822.4	1833.2	1844.0	1850.2	1860.2	1865.5
25°	1728.9	1737.0	1746.9	1753.2	1764.0	1772.1	1782.9	1794.5	1798.1	1805.3	1810.7
27.5°	1668.7	1673.2	1677.7	1683.1	1689.4	1693.9	1700.2	1705.6	1709.2	1712.8	1716.4
30°	1573.5	1573.5	1573.5	1569.9	1572.6	1575.3	1576.2	1575.3	1575.3	1574.4	1574.4
32.5°	1447.7	1440.5	1432.4	1425.2	1422.5	1418.9	1417.1	1414.4	1409.9	1407.2	1408.1
35°	1277.8	1261.7	1251.8	1242.8	1235.6	1230.2	1227.5	1224.8	1223.9	1220.3	1216.7
37.5°	1065.8	1054.1	1046.9	1041.5	1035.2	1029.8	1030.7	1031.6	1034.3	1032.5	1033.4
40°	841.1	838.4	841.1	834.8	833.0	834.8	839.3	845.6	849.2	852.8	859.1
42.5°	639.8	644.3	650.6	650.6	653.3	656.9	662.3	672.2	677.5	683.8	691.0
45°	481.7	487.1	495.2	497.8	499.6	504.1	510.4	518.5	522.1	527.5	533.8
47.5°	371.1	374.7	379.2	383.7	388.2	390.0	396.3	396.3	400.8	404.4	406.2
50°	289.4	292.9	296.5	299.2	301.0	303.7	305.5	308.2	309.1	310.9	311.8
52.5°	226.4	231.0	231.0	232.7	235.4	238.1	237.2	238.1	239.0	239.0	241.7
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°	132.1	133.0	135.7	133.9	133.0	134.8	133.0	134.8	133.9	135.7	133.0
60°	101.5	101.5	102.5	102.5	103.3	103.3	103.3	102.5	102.5	101.5	101.5
62.5°	76.4	77.3	78.2	77.3	77.3	77.3	76.4	76.4	75.5	74.6	74.6
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	36.0	35.1	36.0	35.1	34.1	34.1	35.1	36.0	33.3	33.3
70°	24.3	25.2	24.3	25.2	26.1	26.1	25.2	24.3	25.2	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: P245944

CATALOG NUMBER: LD8B40D010 ER8B40950 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4
2.5°	1861.0	1860.2	1861.0	1861.9	1861.0	1860.2	1861.0	1861.9	1858.3	1857.5	1859.2
5°	1900.6	1900.6	1902.4	1903.3	1902.4	1900.6	1900.6	1897.0	1894.3	1891.6	1890.7
7.5°	1934.7	1936.5	1938.3	1939.2	1938.3	1936.5	1934.7	1929.3	1923.9	1919.5	1915.9
10°	1955.4	1958.1	1961.7	1963.5	1961.7	1958.1	1955.4	1949.1	1941.9	1934.7	1929.3
12.5°	1964.4	1967.1	1971.6	1970.7	1971.6	1967.1	1964.4	1955.4	1947.3	1937.4	1929.3
15°	1958.1	1961.7	1966.2	1968.0	1966.2	1961.7	1958.1	1949.1	1941.9	1931.1	1923.0
17.5°	1938.3	1943.7	1946.4	1949.1	1946.4	1943.7	1938.3	1931.1	1921.3	1912.3	1904.2
20°	1911.4	1915.0	1918.6	1919.5	1918.6	1915.0	1911.4	1903.3	1888.0	1886.2	1879.9
22.5°	1872.7	1875.4	1883.5	1880.8	1883.5	1875.4	1872.7	1865.5	1860.2	1850.2	1844.0
25°	1817.0	1819.7	1820.6	1821.5	1820.6	1819.7	1817.0	1810.7	1805.3	1798.1	1794.5
27.5°	1720.9	1720.9	1722.6	1723.6	1722.6	1720.9	1720.9	1716.4	1712.8	1709.2	1705.6
30°	1575.3	1575.3	1575.3	1579.8	1575.3	1575.3	1575.3	1574.4	1574.4	1575.3	1575.3
32.5°	1407.2	1405.4	1403.7	1405.4	1403.7	1405.4	1407.2	1408.1	1407.2	1409.9	1414.4
35°	1216.7	1215.8	1218.5	1214.9	1218.5	1215.8	1216.7	1216.7	1220.3	1223.9	1224.8
37.5°	1034.3	1032.5	1036.1	1032.5	1036.1	1032.5	1034.3	1033.4	1032.5	1034.3	1031.6
40°	860.9	862.7	862.7	869.9	862.7	862.7	860.9	859.1	852.8	849.2	845.6
42.5°	694.6	700.0	698.2	703.6	698.2	700.0	694.6	691.0	683.8	677.5	672.2
45°	537.4	541.0	541.0	542.8	541.0	541.0	537.4	533.8	527.5	522.1	518.5
47.5°	412.5	412.5	412.5	413.4	412.5	412.5	412.5	406.2	404.4	400.8	396.3
50°	313.6	314.5	315.4	316.3	315.4	314.5	313.6	311.8	310.9	309.1	308.2
52.5°	240.8	241.7	239.9	241.7	239.9	241.7	240.8	241.7	239.0	239.0	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	132.1	132.1	132.1	132.1	132.1	133.9	133.0	135.7	133.9	134.8
60°	99.8	100.6	100.6	101.5	100.6	100.6	99.8	101.5	101.5	102.5	102.5
62.5°	73.7	76.4	74.6	76.4	74.6	76.4	73.7	74.6	74.6	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	33.3	35.1	34.1	35.1	33.3	32.4	33.3	33.3	36.0	35.1
70°	26.1	23.4	23.4	26.1	23.4	23.4	26.1	24.3	23.4	25.2	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: P245944

CATALOG NUMBER: LD8B40D010 ER8B40950 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4
2.5°	1859.2	1856.5	1857.5	1852.1	1852.1	1850.2	1851.2	1846.7	1844.9	1843.1	1845.8
5°	1886.2	1881.7	1878.1	1870.0	1865.5	1860.2	1857.5	1850.2	1844.0	1838.6	1837.7
7.5°	1907.8	1897.9	1891.6	1880.8	1872.7	1866.4	1857.5	1847.5	1839.5	1832.3	1826.9
10°	1916.8	1906.9	1897.0	1883.5	1874.5	1862.8	1853.8	1841.3	1830.5	1820.6	1814.3
12.5°	1917.6	1905.1	1896.1	1880.8	1869.1	1856.5	1846.7	1832.3	1819.7	1809.8	1799.9
15°	1909.6	1897.9	1887.1	1870.9	1859.2	1847.5	1835.9	1820.6	1808.9	1797.2	1790.1
17.5°	1891.6	1880.8	1868.2	1852.9	1842.2	1831.4	1818.8	1806.2	1792.7	1780.2	1771.2
20°	1868.2	1856.5	1845.8	1830.5	1821.5	1809.8	1798.1	1784.7	1773.9	1761.3	1751.4
22.5°	1833.2	1822.4	1812.5	1803.5	1789.1	1780.2	1772.1	1756.8	1746.0	1734.3	1723.6
25°	1782.9	1772.1	1764.0	1753.2	1746.9	1737.0	1728.9	1715.5	1705.6	1694.8	1685.8
27.5°	1700.2	1693.9	1689.4	1683.1	1677.7	1673.2	1668.7	1657.9	1650.8	1640.9	1631.9
30°	1576.2	1575.3	1572.6	1569.9	1573.5	1573.5	1573.5	1571.7	1565.4	1558.2	1551.9
32.5°	1417.1	1418.9	1422.5	1425.2	1432.4	1440.5	1447.7	1451.3	1451.3	1446.8	1444.1
35°	1227.5	1230.2	1235.6	1242.8	1251.8	1261.7	1277.8	1281.4	1284.1	1284.1	1280.5
37.5°	1030.7	1029.8	1035.2	1041.5	1046.9	1054.1	1065.8	1068.5	1072.9	1071.2	1067.5
40°	839.3	834.8	833.0	834.8	841.1	838.4	841.1	839.3	839.3	833.0	833.0
42.5°	662.3	656.9	653.3	650.6	650.6	644.3	639.8	635.3	632.6	628.1	627.2
45°	510.4	504.1	499.6	497.8	495.2	487.1	481.7	476.3	470.0	468.2	469.1
47.5°	396.3	390.0	388.2	383.7	379.2	374.7	371.1	364.8	363.9	360.3	363.9
50°	305.5	303.7	301.0	299.2	296.5	292.9	289.4	285.8	284.0	284.0	284.8
52.5°	237.2	238.1	235.4	232.7	231.0	231.0	226.4	225.6	225.6	222.0	225.6
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	134.8	133.0	133.9	135.7	133.0	132.1	129.4	131.2	129.4	130.3
60°	103.3	103.3	103.3	102.5	102.5	101.5	101.5	100.6	100.6	98.8	100.6
62.5°	76.4	77.3	77.3	77.3	78.2	77.3	76.4	77.3	76.4	76.4	77.3
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	36.0	35.1	36.0	36.8	36.0	36.8	38.7	36.8
70°	25.2	26.1	26.1	25.2	24.3	25.2	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: P245944

CATALOG NUMBER: LD8B40D010 ER8B40950 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4
2.5°	1838.6	1838.6	1837.7	1835.9	1832.3	1832.3	1831.4	1828.7	1826.9	1826.0	1826.0
5°	1829.6	1826.0	1822.4	1812.5	1812.5	1810.7	1805.3	1801.7	1799.9	1795.4	1793.7
7.5°	1821.5	1810.7	1804.4	1798.1	1790.1	1786.4	1780.2	1777.5	1771.2	1766.7	1764.0
10°	1801.7	1794.5	1786.4	1776.6	1770.3	1763.1	1755.9	1750.5	1742.4	1737.9	1734.3
12.5°	1788.3	1777.5	1770.3	1759.5	1748.7	1742.4	1732.6	1726.3	1718.2	1709.2	1703.8
15°	1775.7	1764.0	1754.1	1742.4	1730.7	1723.6	1711.9	1704.7	1693.0	1684.0	1677.7
17.5°	1756.8	1746.9	1736.1	1721.8	1711.0	1702.0	1689.4	1680.4	1669.6	1657.9	1651.7
20°	1737.0	1725.3	1714.6	1700.2	1689.4	1678.6	1666.0	1656.2	1643.6	1632.8	1625.6
22.5°	1711.0	1697.5	1688.5	1674.1	1661.5	1649.9	1638.2	1626.5	1614.8	1605.8	1597.7
25°	1673.2	1658.8	1649.0	1637.3	1625.6	1616.6	1602.2	1595.1	1583.4	1575.3	1567.2
27.5°	1619.3	1608.5	1599.5	1587.9	1578.0	1570.8	1560.0	1552.8	1542.9	1535.7	1529.5
30°	1540.3	1531.3	1523.2	1511.5	1504.3	1498.0	1488.1	1481.8	1474.6	1466.5	1464.8
32.5°	1434.2	1427.0	1418.9	1410.8	1405.4	1401.8	1393.7	1390.2	1383.0	1378.5	1374.0
35°	1274.2	1267.9	1263.5	1259.9	1258.1	1259.0	1257.2	1260.8	1262.5	1261.7	1262.5
37.5°	1064.9	1061.3	1063.1	1065.8	1074.8	1086.4	1097.2	1113.4	1124.2	1135.0	1144.9
40°	831.2	833.9	841.1	857.3	880.6	906.7	931.0	961.5	992.1	1013.7	1033.4
42.5°	627.2	635.3	653.3	676.7	711.7	750.3	788.1	833.0	869.9	905.8	931.0
45°	471.8	482.5	505.9	538.3	576.9	621.8	669.5	719.8	763.8	800.7	828.5
47.5°	367.5	377.4	400.8	434.9	482.5	529.3	578.7	630.8	676.7	712.6	736.9
50°	290.2	302.8	323.5	359.4	407.1	456.5	507.7	558.9	602.1	632.6	654.2
52.5°	228.3	239.9	259.7	297.5	346.0	395.4	443.0	493.3	531.1	560.7	575.1
55°	177.0	187.8	208.5	239.9	285.8	334.3	381.9	425.1	460.1	481.7	495.2
57.5°	134.8	142.9	157.3	188.7	230.1	275.0	315.4	358.6	385.5	400.8	409.8
60°	102.5	108.7	124.0	148.3	186.0	224.7	258.8	291.2	312.7	325.3	334.3
62.5°	77.3	84.5	95.2	115.9	144.7	176.1	204.9	229.1	247.1	255.2	261.5
65°	53.0	58.4	66.5	82.7	106.9	129.4	151.9	169.8	181.5	190.5	194.1
67.5°	39.5	43.1	47.6	60.2	77.3	95.2	110.5	123.1	135.7	139.3	145.6
70°	29.7	32.4	36.8	45.8	55.7	68.3	80.9	88.1	97.1	103.3	105.2
72.5°	18.9	19.8	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	30.6	36.0	40.4	43.1	45.8	45.8
77.5°	7.2	9.9	10.8	13.5	16.2	20.7	25.2	27.9	30.6	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: P245944

CATALOG NUMBER: LD8B40D010 ER8B40950 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4	1840.4
2.5°	1824.2	1825.1	1821.5	1820.6	1818.8	1819.7	1821.5
5°	1791.0	1791.8	1788.3	1784.7	1784.7	1783.7	1784.7
7.5°	1759.5	1760.4	1755.0	1753.2	1749.6	1750.5	1750.5
10°	1728.0	1728.0	1720.0	1719.1	1716.4	1715.5	1715.5
12.5°	1697.5	1694.8	1688.5	1684.9	1686.7	1681.3	1681.3
15°	1670.5	1666.0	1657.9	1655.2	1650.8	1649.0	1649.0
17.5°	1642.7	1639.1	1631.9	1626.5	1621.1	1620.2	1621.1
20°	1615.7	1612.1	1603.1	1599.5	1595.1	1595.1	1593.3
22.5°	1588.7	1585.2	1577.1	1574.4	1568.1	1568.1	1569.0
25°	1560.9	1558.2	1549.2	1547.4	1546.5	1542.9	1544.7
27.5°	1523.2	1521.4	1514.2	1511.5	1507.9	1507.0	1508.8
30°	1454.0	1451.3	1445.9	1443.2	1436.9	1437.8	1439.6
32.5°	1367.7	1364.1	1356.9	1354.2	1348.8	1347.0	1347.9
35°	1259.9	1257.2	1250.9	1250.9	1245.5	1243.7	1245.5
37.5°	1150.3	1152.9	1150.3	1152.9	1150.3	1149.3	1150.3
40°	1046.9	1056.8	1058.6	1068.5	1064.9	1070.2	1069.4
42.5°	948.0	964.2	970.5	978.6	976.8	980.4	983.1
45°	848.3	861.8	868.1	873.5	874.4	876.2	877.1
47.5°	753.9	764.7	765.6	771.9	771.0	771.0	773.7
50°	665.9	673.1	674.8	679.4	675.8	674.0	674.8
52.5°	584.1	591.3	589.5	591.3	586.8	585.0	585.9
55°	500.5	504.1	504.1	504.1	498.7	498.7	498.7
57.5°	415.2	416.1	414.3	415.2	414.3	408.9	408.0
60°	337.0	337.0	336.1	337.0	334.3	331.6	331.6
62.5°	263.3	265.1	268.7	265.1	263.3	265.1	262.4
65°	196.8	200.4	199.5	201.3	200.4	200.4	198.6
67.5°	148.3	149.2	150.1	151.0	151.0	151.0	151.0
70°	108.7	111.4	110.5	110.5	110.5	110.5	115.9
72.5°	72.8	76.4	75.5	77.3	77.3	79.1	77.3
75°	49.4	53.0	51.2	53.9	53.0	51.2	55.7
77.5°	33.3	35.1	36.0	36.8	36.0	35.1	36.0
80°	23.4	25.2	24.3	25.2	25.2	25.2	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)