

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: P245985

Luminaire Tested: **LD8B30D010 ER8B30850 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245985
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 ER8B30850 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 5000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3101.0 lumens
Efficiency: N/A
Efficacy: 114.4 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

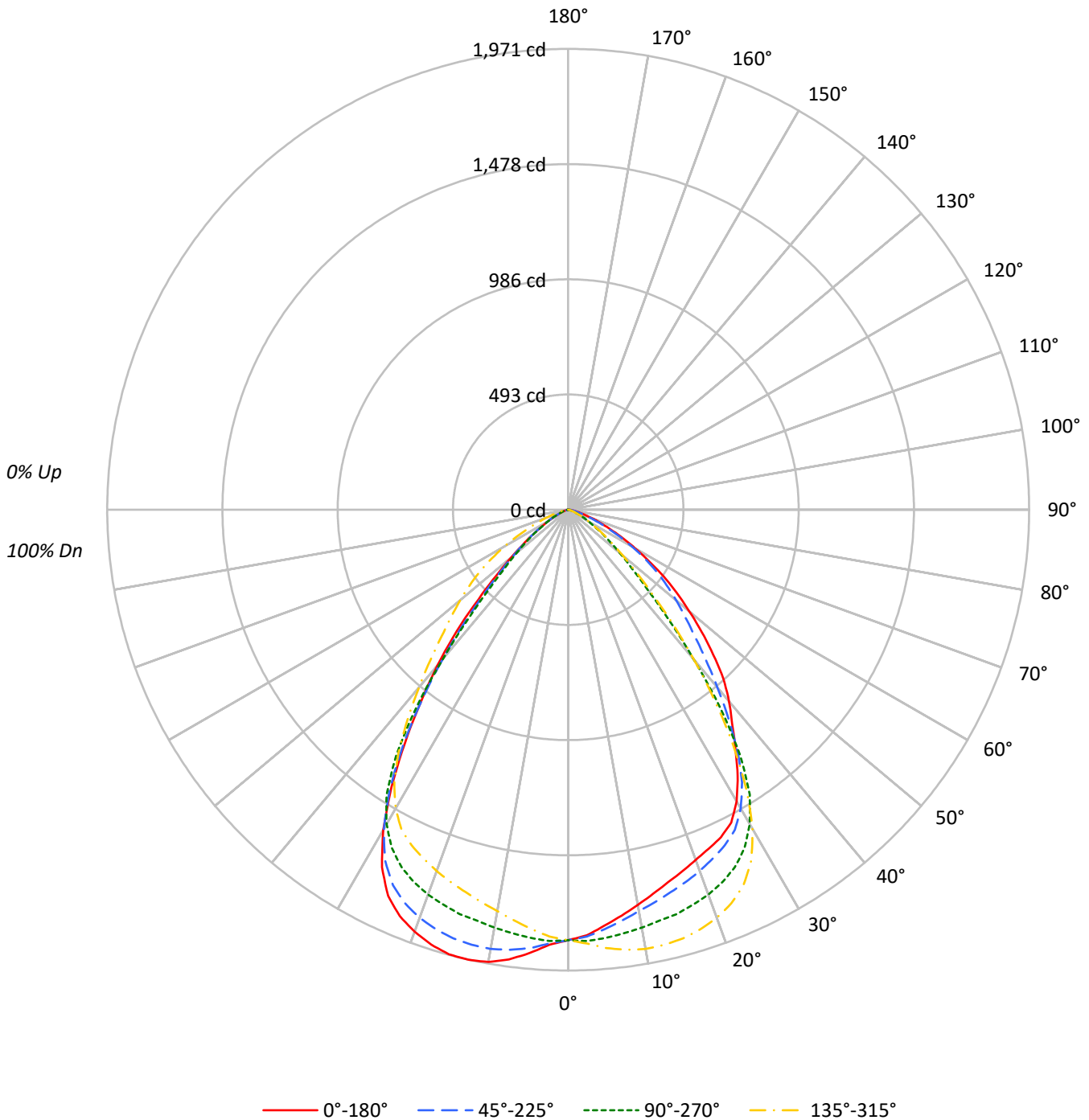
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	56770	56770	56770	56770
5°	55259	56903	58934	56903
10°	53731	56828	61500	56828
15°	52659	57163	62846	57163
20°	52301	57492	63009	57492
25°	52574	57375	61995	57375
30°	51274	55276	56269	55276
35°	46901	48218	45749	48218
40°	43060	33544	35029	33544
45°	38258	20461	23675	20461
50°	32386	13667	15179	13667
55°	26822	9328	9860	9328
60°	20457	6210	6266	6210
65°	14498	3867	3539	3867
70°	10458	2588	2353	2588
75°	6636	1287	1072	1287
80°	4635	959	799	959
85°	4140	0	318	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.2	5.7
10°-20°	507.4	16.4
20°-30°	768.3	24.8
30°-40°	770.1	24.8
40°-50°	483.6	15.6
50°-60°	257.7	8.3
60°-70°	106.0	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°	1451.0	46.8
0°-40°	2221.1	71.6
0°-60°	2962.3	95.5
0°-90°	3101.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3101.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1841	1841	1841	1841	1841	
5°	1785	1838	1904	1838	1785	168
15°	1650	1791	1969	1791	1650	467
25°	1545	1686	1822	1686	1545	709
35°	1246	1281	1215	1281	1246	781
45°	877	469	543	469	877	675
55°	499	174	183	174	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	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0
2.5°	1822.1	1820.3	1819.4	1821.2	1822.1	1825.7	1824.8	1826.6	1826.6	1827.5	1829.3
5°	1785.2	1784.3	1785.2	1785.2	1788.8	1792.4	1791.5	1794.2	1796.0	1800.5	1802.3
7.5°	1751.1	1751.1	1750.2	1753.8	1755.6	1761.0	1760.0	1764.6	1767.3	1771.7	1778.0
10°	1716.0	1716.0	1716.9	1719.6	1720.5	1728.6	1728.6	1734.9	1738.5	1743.0	1751.1
12.5°	1681.9	1681.9	1687.3	1685.5	1689.0	1695.3	1698.0	1704.3	1709.7	1718.7	1726.8
15°	1649.5	1649.5	1651.3	1655.8	1658.5	1666.6	1671.1	1678.3	1684.6	1693.6	1705.2
17.5°	1621.6	1620.7	1621.6	1627.0	1632.4	1639.6	1643.2	1652.2	1658.5	1670.2	1681.0
20°	1593.8	1595.6	1595.6	1600.1	1603.6	1612.6	1616.2	1626.1	1633.3	1644.1	1656.7
22.5°	1569.5	1568.6	1568.6	1574.9	1577.6	1585.7	1589.3	1598.2	1606.3	1615.3	1627.0
25°	1545.2	1543.4	1547.0	1547.9	1549.7	1558.7	1561.4	1567.7	1575.8	1583.9	1595.6
27.5°	1509.3	1507.5	1508.4	1512.0	1514.7	1521.8	1523.7	1529.9	1536.2	1543.4	1553.3
30°	1440.0	1438.3	1437.4	1443.7	1446.4	1451.7	1454.4	1465.2	1467.0	1475.1	1482.3
32.5°	1348.3	1347.5	1349.3	1354.6	1357.3	1364.6	1368.1	1374.4	1378.9	1383.4	1390.6
35°	1245.9	1244.1	1245.9	1251.3	1251.3	1257.6	1260.3	1263.0	1262.1	1263.0	1261.2
37.5°	1150.6	1149.7	1150.6	1153.3	1150.6	1153.3	1150.6	1145.2	1135.3	1124.5	1113.7
40°	1069.7	1070.6	1065.2	1068.8	1058.9	1057.1	1047.2	1033.7	1014.0	992.4	961.8
42.5°	983.4	980.7	977.1	978.9	970.8	964.5	948.3	931.3	906.1	870.2	833.3
45°	877.3	876.5	874.6	873.8	868.3	862.1	848.6	828.8	800.9	764.1	720.0
47.5°	774.0	771.3	771.3	772.2	765.9	765.0	754.2	737.1	712.8	676.9	631.0
50°	675.1	674.2	676.0	679.6	675.1	673.3	666.1	654.4	632.8	602.3	559.1
52.5°	586.1	585.2	587.0	591.5	589.7	591.5	584.3	575.3	560.9	531.2	493.5
55°	498.9	498.9	498.9	504.3	504.3	504.3	500.7	495.3	481.8	460.2	425.2
57.5°	408.1	409.0	414.4	415.3	414.4	416.2	415.3	409.9	400.9	385.6	358.7
60°	331.7	331.7	334.4	337.1	336.2	337.1	337.1	334.4	325.4	312.8	291.3
62.5°	262.5	265.2	263.4	265.2	268.8	265.2	263.4	261.6	255.3	247.2	229.2
65°	198.7	200.5	200.5	201.4	199.5	200.5	196.9	194.2	190.6	181.6	169.9
67.5°	151.0	151.0	151.0	151.0	150.1	149.2	148.3	145.6	139.3	135.8	123.1
70°	116.0	110.6	110.6	110.6	110.6	111.5	108.8	105.2	103.4	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	36.9	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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0
2.5°	1832.0	1832.9	1832.9	1836.5	1838.3	1839.2	1839.2	1846.4	1843.7	1845.5	1847.3
5°	1805.9	1811.3	1813.1	1813.1	1823.0	1826.6	1830.2	1838.3	1839.2	1844.6	1850.8
7.5°	1780.7	1787.0	1790.6	1798.7	1805.0	1811.3	1822.1	1827.5	1832.9	1840.1	1848.1
10°	1756.5	1763.7	1770.9	1777.1	1787.0	1795.1	1802.3	1814.9	1821.2	1831.1	1841.9
12.5°	1733.1	1743.0	1749.3	1760.0	1770.9	1778.0	1788.8	1800.5	1810.4	1820.3	1832.9
15°	1712.4	1724.1	1731.3	1743.0	1754.7	1764.6	1776.3	1790.6	1797.8	1809.5	1821.2
17.5°	1689.9	1702.5	1711.5	1722.3	1736.7	1747.5	1757.4	1771.7	1780.7	1793.3	1806.8
20°	1666.6	1679.2	1689.9	1700.7	1715.1	1725.9	1737.6	1752.0	1761.9	1774.4	1785.2
22.5°	1638.7	1650.4	1662.1	1674.7	1689.0	1698.0	1711.5	1724.1	1734.9	1746.6	1757.4
25°	1602.8	1617.2	1626.1	1637.8	1649.5	1659.4	1673.8	1686.3	1695.3	1706.1	1716.0
27.5°	1560.5	1571.3	1578.5	1588.4	1600.1	1609.1	1619.8	1632.4	1641.4	1651.3	1658.5
30°	1488.6	1498.5	1504.8	1512.0	1523.7	1531.8	1540.7	1552.4	1558.7	1565.9	1572.2
32.5°	1394.2	1402.3	1405.9	1411.3	1419.4	1427.5	1434.7	1444.5	1447.2	1451.7	1451.7
35°	1257.6	1259.4	1258.5	1260.3	1263.9	1268.4	1274.6	1280.9	1284.5	1284.5	1281.9
37.5°	1097.6	1086.8	1075.1	1066.1	1063.4	1061.6	1065.2	1067.9	1071.5	1073.3	1068.8
40°	931.3	907.0	880.9	857.5	841.4	834.2	831.5	833.3	833.3	839.6	839.6
42.5°	788.4	750.6	712.0	676.9	653.5	635.5	627.4	627.4	628.3	632.8	635.5
45°	669.7	622.0	577.1	538.5	506.1	482.7	471.9	469.2	468.3	470.1	476.4
47.5°	578.9	529.5	482.7	435.1	400.9	377.5	367.7	364.0	360.5	364.0	365.0
50°	507.9	456.7	407.2	359.6	323.6	302.9	290.3	284.9	284.0	284.0	285.9
52.5°	443.1	395.5	346.1	297.6	259.8	240.0	228.3	225.6	222.0	225.6	225.6
55°	382.0	334.4	285.9	240.0	208.5	187.9	177.1	173.5	171.7	174.4	174.4
57.5°	315.5	275.1	230.1	188.8	157.3	142.9	134.8	130.4	129.4	131.2	129.4
60°	258.9	224.7	186.1	148.3	124.1	108.8	102.5	100.7	98.9	100.7	100.7
62.5°	204.9	176.2	144.7	116.0	95.3	84.5	77.3	77.3	76.4	76.4	77.3
65°	151.9	129.4	107.0	82.7	66.5	58.4	53.0	53.0	52.1	53.0	52.1
67.5°	110.6	95.3	77.3	60.2	47.7	43.1	39.6	36.9	38.7	36.9	36.0
70°	80.9	68.3	55.7	45.8	36.9	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



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0
2.5°	1851.8	1850.8	1852.7	1852.7	1858.1	1857.1	1859.8	1859.8	1858.1	1858.9	1862.5
5°	1858.1	1860.8	1866.1	1870.6	1878.7	1882.3	1886.8	1891.3	1892.2	1894.9	1897.6
7.5°	1858.1	1867.1	1873.3	1881.4	1892.2	1898.5	1908.4	1916.5	1920.1	1924.5	1930.0
10°	1854.4	1863.4	1875.1	1884.1	1897.6	1907.5	1917.4	1930.0	1935.4	1942.5	1949.7
12.5°	1847.3	1857.1	1869.7	1881.4	1896.7	1905.7	1918.3	1930.0	1938.1	1947.9	1956.0
15°	1836.5	1848.1	1859.8	1871.5	1887.7	1898.5	1910.2	1923.7	1931.8	1942.5	1949.7
17.5°	1819.4	1832.0	1842.8	1853.5	1868.8	1881.4	1892.2	1904.8	1912.9	1921.9	1931.8
20°	1798.7	1810.4	1822.1	1831.1	1846.4	1857.1	1868.8	1880.5	1886.8	1888.6	1903.9
22.5°	1772.7	1780.7	1789.7	1804.1	1813.1	1823.0	1833.8	1844.6	1850.8	1860.8	1866.1
25°	1729.5	1737.6	1747.5	1753.8	1764.6	1772.7	1783.4	1795.1	1798.7	1805.9	1811.3
27.5°	1669.3	1673.8	1678.3	1683.6	1689.9	1694.4	1700.7	1706.1	1709.7	1713.3	1716.9
30°	1574.0	1574.0	1574.0	1570.4	1573.1	1575.8	1576.7	1575.8	1575.8	1574.9	1574.9
32.5°	1448.1	1441.0	1432.9	1425.7	1423.0	1419.4	1417.6	1414.9	1410.4	1407.7	1408.6
35°	1278.2	1262.1	1252.2	1243.2	1236.0	1230.6	1227.9	1225.2	1224.3	1220.7	1217.1
37.5°	1066.1	1054.4	1047.2	1041.8	1035.6	1030.2	1031.0	1032.0	1034.6	1032.9	1033.7
40°	841.4	838.7	841.4	835.1	833.3	835.1	839.6	845.9	849.5	853.1	859.4
42.5°	640.0	644.5	650.8	650.8	653.5	657.1	662.5	672.4	677.8	684.1	691.3
45°	481.8	487.2	495.3	498.0	499.8	504.3	510.6	518.7	522.3	527.7	533.9
47.5°	371.3	374.8	379.3	383.8	388.3	390.1	396.4	396.4	400.9	404.5	406.3
50°	289.4	293.0	296.6	299.3	301.1	303.8	305.6	308.3	309.2	311.0	311.9
52.5°	226.5	231.0	231.0	232.8	235.5	238.2	237.3	238.2	239.1	239.1	241.8
55°	177.1	177.1	179.8	179.8	181.6	180.7	181.6	181.6	181.6	181.6	182.5
57.5°	132.1	133.1	135.8	133.9	133.1	134.8	133.1	134.8	133.9	135.8	133.1
60°	101.6	101.6	102.5	102.5	103.4	103.4	103.4	102.5	102.5	101.6	101.6
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	50.4	52.1	50.4	51.2	51.2	50.4	51.2	48.5	49.4	48.5
67.5°	36.9	36.0	35.1	36.0	35.1	34.2	34.2	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: P245985

CATALOG NUMBER: LD8B30D010 ER8B30850 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0
2.5°	1861.6	1860.8	1861.6	1862.5	1861.6	1860.8	1861.6	1862.5	1858.9	1858.1	1859.8
5°	1901.2	1901.2	1903.0	1903.9	1903.0	1901.2	1901.2	1897.6	1894.9	1892.2	1891.3
7.5°	1935.4	1937.2	1938.9	1939.8	1938.9	1937.2	1935.4	1930.0	1924.5	1920.1	1916.5
10°	1956.0	1958.7	1962.3	1964.1	1962.3	1958.7	1956.0	1949.7	1942.5	1935.4	1930.0
12.5°	1965.0	1967.7	1972.2	1971.3	1972.2	1967.7	1965.0	1956.0	1947.9	1938.1	1930.0
15°	1958.7	1962.3	1966.8	1968.6	1966.8	1962.3	1958.7	1949.7	1942.5	1931.8	1923.7
17.5°	1938.9	1944.3	1947.0	1949.7	1947.0	1944.3	1938.9	1931.8	1921.9	1912.9	1904.8
20°	1912.0	1915.6	1919.2	1920.1	1919.2	1915.6	1912.0	1903.9	1888.6	1886.8	1880.5
22.5°	1873.3	1876.0	1884.1	1881.4	1884.1	1876.0	1873.3	1866.1	1860.8	1850.8	1844.6
25°	1817.6	1820.3	1821.2	1822.1	1821.2	1820.3	1817.6	1811.3	1805.9	1798.7	1795.1
27.5°	1721.4	1721.4	1723.2	1724.1	1723.2	1721.4	1721.4	1716.9	1713.3	1709.7	1706.1
30°	1575.8	1575.8	1575.8	1580.3	1575.8	1575.8	1575.8	1574.9	1574.9	1575.8	1575.8
32.5°	1407.7	1405.9	1404.1	1405.9	1404.1	1405.9	1407.7	1408.6	1407.7	1410.4	1414.9
35°	1217.1	1216.2	1218.9	1215.3	1218.9	1216.2	1217.1	1217.1	1220.7	1224.3	1225.2
37.5°	1034.6	1032.9	1036.4	1032.9	1036.4	1032.9	1034.6	1033.7	1032.9	1034.6	1032.0
40°	861.2	862.9	862.9	870.2	862.9	862.9	861.2	859.4	853.1	849.5	845.9
42.5°	694.9	700.3	698.4	703.8	698.4	700.3	694.9	691.3	684.1	677.8	672.4
45°	537.5	541.2	541.2	542.9	541.2	541.2	537.5	533.9	527.7	522.3	518.7
47.5°	412.6	412.6	412.6	413.5	412.6	412.6	412.6	406.3	404.5	400.9	396.4
50°	313.7	314.6	315.5	316.4	315.5	314.6	313.7	311.9	311.0	309.2	308.3
52.5°	240.9	241.8	240.0	241.8	240.0	241.8	240.9	241.8	239.1	239.1	238.2
55°	182.5	181.6	182.5	183.4	182.5	181.6	182.5	182.5	181.6	181.6	181.6
57.5°	133.9	132.1	132.1	132.1	132.1	132.1	133.9	133.1	135.8	133.9	134.8
60°	99.8	100.7	100.7	101.6	100.7	100.7	99.8	101.6	101.6	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°	47.7	47.7	47.7	48.5	47.7	47.7	47.7	48.5	49.4	48.5	51.2
67.5°	32.4	33.3	35.1	34.2	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: P245985

CATALOG NUMBER: LD8B30D010 ER8B30850 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0
2.5°	1859.8	1857.1	1858.1	1852.7	1852.7	1850.8	1851.8	1847.3	1845.5	1843.7	1846.4
5°	1886.8	1882.3	1878.7	1870.6	1866.1	1860.8	1858.1	1850.8	1844.6	1839.2	1838.3
7.5°	1908.4	1898.5	1892.2	1881.4	1873.3	1867.1	1858.1	1848.1	1840.1	1832.9	1827.5
10°	1917.4	1907.5	1897.6	1884.1	1875.1	1863.4	1854.4	1841.9	1831.1	1821.2	1814.9
12.5°	1918.3	1905.7	1896.7	1881.4	1869.7	1857.1	1847.3	1832.9	1820.3	1810.4	1800.5
15°	1910.2	1898.5	1887.7	1871.5	1859.8	1848.1	1836.5	1821.2	1809.5	1797.8	1790.6
17.5°	1892.2	1881.4	1868.8	1853.5	1842.8	1832.0	1819.4	1806.8	1793.3	1780.7	1771.7
20°	1868.8	1857.1	1846.4	1831.1	1822.1	1810.4	1798.7	1785.2	1774.4	1761.9	1752.0
22.5°	1833.8	1823.0	1813.1	1804.1	1789.7	1780.7	1772.7	1757.4	1746.6	1734.9	1724.1
25°	1783.4	1772.7	1764.6	1753.8	1747.5	1737.6	1729.5	1716.0	1706.1	1695.3	1686.3
27.5°	1700.7	1694.4	1689.9	1683.6	1678.3	1673.8	1669.3	1658.5	1651.3	1641.4	1632.4
30°	1576.7	1575.8	1573.1	1570.4	1574.0	1574.0	1574.0	1572.2	1565.9	1558.7	1552.4
32.5°	1417.6	1419.4	1423.0	1425.7	1432.9	1441.0	1448.1	1451.7	1451.7	1447.2	1444.5
35°	1227.9	1230.6	1236.0	1243.2	1252.2	1262.1	1278.2	1281.9	1284.5	1284.5	1280.9
37.5°	1031.0	1030.2	1035.6	1041.8	1047.2	1054.4	1066.1	1068.8	1073.3	1071.5	1067.9
40°	839.6	835.1	833.3	835.1	841.4	838.7	841.4	839.6	839.6	833.3	833.3
42.5°	662.5	657.1	653.5	650.8	650.8	644.5	640.0	635.5	632.8	628.3	627.4
45°	510.6	504.3	499.8	498.0	495.3	487.2	481.8	476.4	470.1	468.3	469.2
47.5°	396.4	390.1	388.3	383.8	379.3	374.8	371.3	365.0	364.0	360.5	364.0
50°	305.6	303.8	301.1	299.3	296.6	293.0	289.4	285.9	284.0	284.0	284.9
52.5°	237.3	238.2	235.5	232.8	231.0	231.0	226.5	225.6	225.6	222.0	225.6
55°	181.6	180.7	181.6	179.8	179.8	177.1	177.1	174.4	174.4	171.7	173.5
57.5°	133.1	134.8	133.1	133.9	135.8	133.1	132.1	129.4	131.2	129.4	130.4
60°	103.4	103.4	103.4	102.5	102.5	101.6	101.6	100.7	100.7	98.9	100.7
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°	50.4	51.2	51.2	50.4	52.1	50.4	51.2	52.1	53.0	52.1	53.0
67.5°	34.2	34.2	35.1	36.0	35.1	36.0	36.9	36.0	36.9	38.7	36.9
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: P245985

CATALOG NUMBER: LD8B30D010 ER8B30850 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0
2.5°	1839.2	1839.2	1838.3	1836.5	1832.9	1832.9	1832.0	1829.3	1827.5	1826.6	1826.6
5°	1830.2	1826.6	1823.0	1813.1	1813.1	1811.3	1805.9	1802.3	1800.5	1796.0	1794.2
7.5°	1822.1	1811.3	1805.0	1798.7	1790.6	1787.0	1780.7	1778.0	1771.7	1767.3	1764.6
10°	1802.3	1795.1	1787.0	1777.1	1770.9	1763.7	1756.5	1751.1	1743.0	1738.5	1734.9
12.5°	1788.8	1778.0	1770.9	1760.0	1749.3	1743.0	1733.1	1726.8	1718.7	1709.7	1704.3
15°	1776.3	1764.6	1754.7	1743.0	1731.3	1724.1	1712.4	1705.2	1693.6	1684.6	1678.3
17.5°	1757.4	1747.5	1736.7	1722.3	1711.5	1702.5	1689.9	1681.0	1670.2	1658.5	1652.2
20°	1737.6	1725.9	1715.1	1700.7	1689.9	1679.2	1666.6	1656.7	1644.1	1633.3	1626.1
22.5°	1711.5	1698.0	1689.0	1674.7	1662.1	1650.4	1638.7	1627.0	1615.3	1606.3	1598.2
25°	1673.8	1659.4	1649.5	1637.8	1626.1	1617.2	1602.8	1595.6	1583.9	1575.8	1567.7
27.5°	1619.8	1609.1	1600.1	1588.4	1578.5	1571.3	1560.5	1553.3	1543.4	1536.2	1529.9
30°	1540.7	1531.8	1523.7	1512.0	1504.8	1498.5	1488.6	1482.3	1475.1	1467.0	1465.2
32.5°	1434.7	1427.5	1419.4	1411.3	1405.9	1402.3	1394.2	1390.6	1383.4	1378.9	1374.4
35°	1274.6	1268.4	1263.9	1260.3	1258.5	1259.4	1257.6	1261.2	1263.0	1262.1	1263.0
37.5°	1065.2	1061.6	1063.4	1066.1	1075.1	1086.8	1097.6	1113.7	1124.5	1135.3	1145.2
40°	831.5	834.2	841.4	857.5	880.9	907.0	931.3	961.8	992.4	1014.0	1033.7
42.5°	627.4	635.5	653.5	676.9	712.0	750.6	788.4	833.3	870.2	906.1	931.3
45°	471.9	482.7	506.1	538.5	577.1	622.0	669.7	720.0	764.1	800.9	828.8
47.5°	367.7	377.5	400.9	435.1	482.7	529.5	578.9	631.0	676.9	712.8	737.1
50°	290.3	302.9	323.6	359.6	407.2	456.7	507.9	559.1	602.3	632.8	654.4
52.5°	228.3	240.0	259.8	297.6	346.1	395.5	443.1	493.5	531.2	560.9	575.3
55°	177.1	187.9	208.5	240.0	285.9	334.4	382.0	425.2	460.2	481.8	495.3
57.5°	134.8	142.9	157.3	188.8	230.1	275.1	315.5	358.7	385.6	400.9	409.9
60°	102.5	108.8	124.1	148.3	186.1	224.7	258.9	291.3	312.8	325.4	334.4
62.5°	77.3	84.5	95.3	116.0	144.7	176.2	204.9	229.2	247.2	255.3	261.6
65°	53.0	58.4	66.5	82.7	107.0	129.4	151.9	169.9	181.6	190.6	194.2
67.5°	39.6	43.1	47.7	60.2	77.3	95.3	110.6	123.1	135.8	139.3	145.6
70°	29.7	32.4	36.9	45.8	55.7	68.3	80.9	88.1	97.1	103.4	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: P245985

CATALOG NUMBER: LD8B30D010 ER8B30850 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0
2.5°	1824.8	1825.7	1822.1	1821.2	1819.4	1820.3	1822.1
5°	1791.5	1792.4	1788.8	1785.2	1785.2	1784.3	1785.2
7.5°	1760.0	1761.0	1755.6	1753.8	1750.2	1751.1	1751.1
10°	1728.6	1728.6	1720.5	1719.6	1716.9	1716.0	1716.0
12.5°	1698.0	1695.3	1689.0	1685.5	1687.3	1681.9	1681.9
15°	1671.1	1666.6	1658.5	1655.8	1651.3	1649.5	1649.5
17.5°	1643.2	1639.6	1632.4	1627.0	1621.6	1620.7	1621.6
20°	1616.2	1612.6	1603.6	1600.1	1595.6	1595.6	1593.8
22.5°	1589.3	1585.7	1577.6	1574.9	1568.6	1568.6	1569.5
25°	1561.4	1558.7	1549.7	1547.9	1547.0	1543.4	1545.2
27.5°	1523.7	1521.8	1514.7	1512.0	1508.4	1507.5	1509.3
30°	1454.4	1451.7	1446.4	1443.7	1437.4	1438.3	1440.0
32.5°	1368.1	1364.6	1357.3	1354.6	1349.3	1347.5	1348.3
35°	1260.3	1257.6	1251.3	1251.3	1245.9	1244.1	1245.9
37.5°	1150.6	1153.3	1150.6	1153.3	1150.6	1149.7	1150.6
40°	1047.2	1057.1	1058.9	1068.8	1065.2	1070.6	1069.7
42.5°	948.3	964.5	970.8	978.9	977.1	980.7	983.4
45°	848.6	862.1	868.3	873.8	874.6	876.5	877.3
47.5°	754.2	765.0	765.9	772.2	771.3	771.3	774.0
50°	666.1	673.3	675.1	679.6	676.0	674.2	675.1
52.5°	584.3	591.5	589.7	591.5	587.0	585.2	586.1
55°	500.7	504.3	504.3	504.3	498.9	498.9	498.9
57.5°	415.3	416.2	414.4	415.3	414.4	409.0	408.1
60°	337.1	337.1	336.2	337.1	334.4	331.7	331.7
62.5°	263.4	265.2	268.8	265.2	263.4	265.2	262.5
65°	196.9	200.5	199.5	201.4	200.5	200.5	198.7
67.5°	148.3	149.2	150.1	151.0	151.0	151.0	151.0
70°	108.8	111.5	110.6	110.6	110.6	110.6	116.0
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	36.9	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)