

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: P244545

Luminaire Tested: **LD8B30D010 ER8B30850 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244545
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 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3134.0 lumens
Efficiency: N/A
Efficacy: 115.6 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

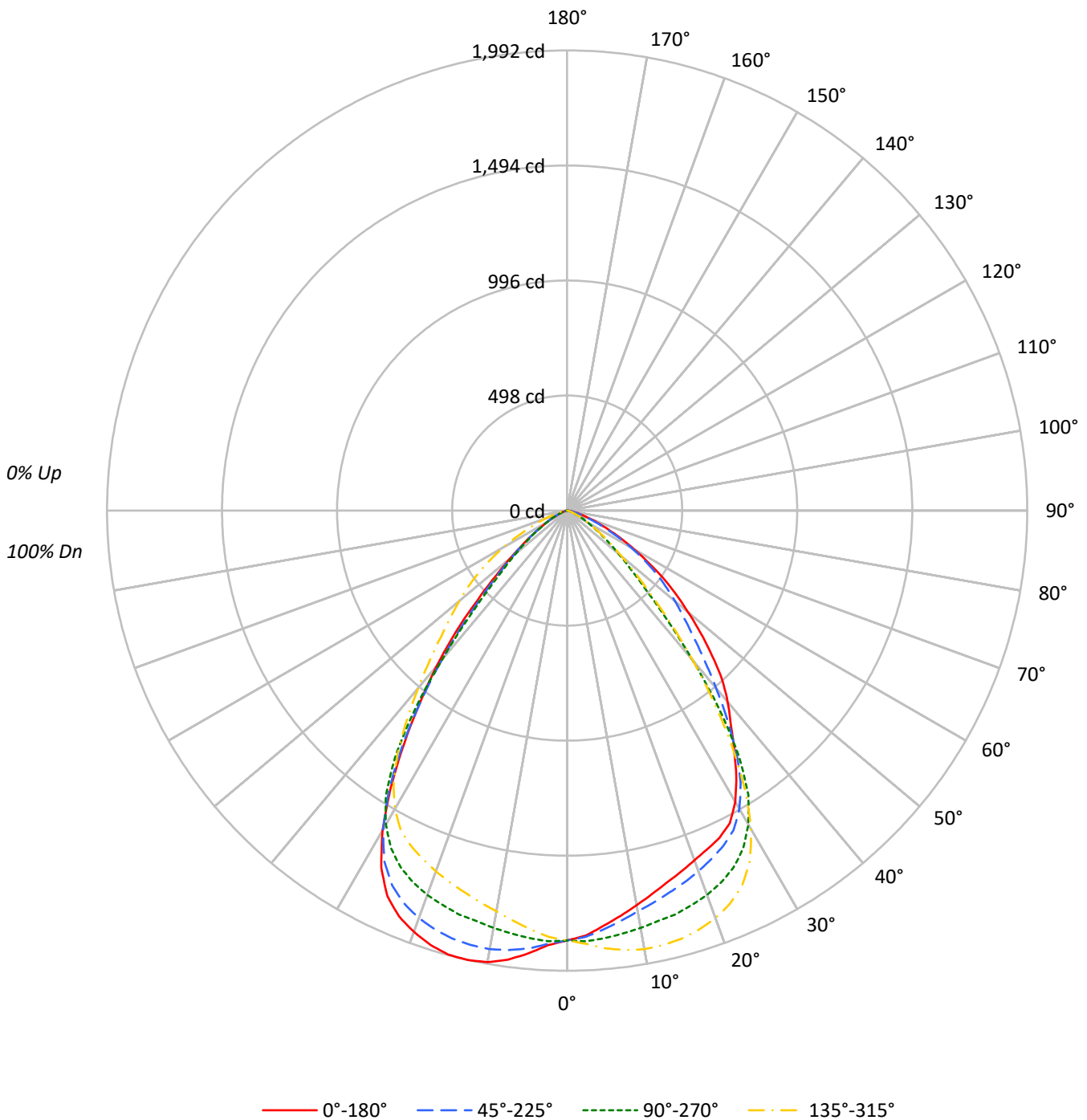
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	57374	57374	57374	57374
5°	55847	57507	59562	57507
10°	54304	57432	62154	57432
15°	53217	57773	63516	57773
20°	52856	58103	63678	58103
25°	53135	57987	62655	57987
30°	51822	55863	56867	55863
35°	47402	48734	46238	48734
40°	43519	33898	35399	33898
45°	38668	20679	23928	20679
50°	32727	13816	15342	13816
55°	27107	9424	9962	9424
60°	20673	6272	6328	6272
65°	14651	3911	3583	3911
70°	10567	2624	2380	2624
75°	6708	1299	1084	1299
80°	4688	977	799	977
85°	4175	0	318	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.1	5.7
10°-20°	512.8	16.4
20°-30°	776.5	24.8
30°-40°	778.3	24.8
40°-50°	488.7	15.6
50°-60°	260.4	8.3
60°-70°	107.1	3.4
70°-80°	28.3	0.9
80°-90°	4.8	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°	1466.4	46.8
0°-40°	2244.7	71.6
0°-60°	2993.8	95.5
0°-90°	3134.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3134.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1861	1861	1861	1861	1861	
5°	1804	1858	1924	1858	1804	170
15°	1667	1810	1990	1810	1667	471
25°	1562	1704	1842	1704	1562	716
35°	1259	1295	1228	1295	1259	789
45°	887	474	549	474	887	682
55°	504	175	185	175	504	450
65°	201	54	49	54	201	208
75°	56	11	9	11	56	64
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°	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6
2.5°	1841.5	1839.7	1838.8	1840.6	1841.5	1845.1	1844.2	1846.0	1846.0	1846.9	1848.7
5°	1804.2	1803.3	1804.2	1804.2	1807.9	1811.5	1810.6	1813.3	1815.1	1819.7	1821.5
7.5°	1769.7	1769.7	1768.8	1772.4	1774.3	1779.7	1778.8	1783.3	1786.1	1790.6	1797.0
10°	1734.3	1734.3	1735.2	1737.9	1738.8	1747.0	1747.0	1753.3	1757.0	1761.5	1769.7
12.5°	1699.8	1699.8	1705.2	1703.4	1707.0	1713.4	1716.1	1722.5	1727.9	1737.0	1745.2
15°	1667.0	1667.0	1668.9	1673.4	1676.1	1684.3	1688.8	1696.1	1702.5	1711.6	1723.4
17.5°	1638.9	1638.0	1638.9	1644.3	1649.8	1657.1	1660.7	1669.8	1676.1	1687.9	1698.9
20°	1610.7	1612.6	1612.6	1617.1	1620.7	1629.8	1633.4	1643.4	1650.7	1661.6	1674.3
22.5°	1586.2	1585.3	1585.3	1591.7	1594.4	1602.5	1606.2	1615.3	1623.4	1632.5	1644.3
25°	1561.7	1559.8	1563.5	1564.4	1566.2	1575.3	1578.0	1584.4	1592.6	1600.7	1612.6
27.5°	1525.3	1523.5	1524.4	1528.1	1530.8	1538.0	1539.9	1546.2	1552.6	1559.8	1569.9
30°	1455.4	1453.6	1452.7	1459.0	1461.8	1467.2	1469.9	1480.8	1482.6	1490.8	1498.1
32.5°	1362.7	1361.8	1363.6	1369.1	1371.8	1379.1	1382.7	1389.1	1393.6	1398.1	1405.4
35°	1259.2	1257.3	1259.2	1264.6	1264.6	1271.0	1273.7	1276.4	1275.5	1276.4	1274.6
37.5°	1162.9	1161.9	1162.9	1165.6	1162.9	1165.6	1162.9	1157.4	1147.4	1136.5	1125.6
40°	1081.1	1082.0	1076.6	1080.2	1070.2	1068.4	1058.4	1044.7	1024.8	1003.0	972.1
42.5°	993.9	991.2	987.5	989.3	981.2	974.8	958.4	941.2	915.7	879.4	842.1
45°	886.7	885.8	883.9	883.1	877.6	871.2	857.6	837.6	809.5	772.2	727.7
47.5°	782.2	779.5	779.5	780.4	774.0	773.1	762.2	745.0	720.4	684.1	637.7
50°	682.2	681.3	683.2	686.8	682.2	680.5	673.2	661.4	639.6	608.7	565.1
52.5°	592.3	591.4	593.2	597.8	595.9	597.8	590.5	581.4	566.9	536.9	498.8
55°	504.2	504.2	504.2	509.6	509.6	509.6	506.0	500.6	486.9	465.1	429.7
57.5°	412.5	413.3	418.8	419.7	418.8	420.6	419.7	414.2	405.2	389.8	362.5
60°	335.2	335.2	338.0	340.7	339.8	340.7	340.7	338.0	328.9	316.2	294.4
62.5°	265.3	268.0	266.2	268.0	271.6	268.0	266.2	264.4	258.0	249.8	231.7
65°	200.8	202.6	202.6	203.5	201.7	202.6	199.0	196.2	192.6	183.5	171.7
67.5°	152.6	152.6	152.6	152.6	151.7	150.8	149.9	147.2	140.8	137.2	124.4
70°	117.2	111.7	111.7	111.7	111.7	112.7	109.9	106.3	104.5	98.1	89.0
72.5°	78.1	79.9	78.1	78.1	76.3	77.2	73.6	71.8	70.0	66.3	60.9
75°	56.3	51.8	53.6	54.5	51.8	53.6	50.0	46.3	46.3	43.6	40.9
77.5°	36.3	35.4	36.3	37.2	36.3	35.4	33.6	31.8	31.8	30.9	28.2
80°	26.4	25.4	25.4	25.4	24.5	25.4	23.6	23.6	21.8	20.9	19.1
82.5°	17.3	17.3	16.3	17.3	16.3	17.3	14.5	14.5	14.5	13.6	11.8
85°	11.8	10.0	10.0	10.9	9.1	10.9	10.0	9.1	8.2	8.2	7.3
87.5°	5.5	6.4	5.5	6.4	5.5	5.5	6.4	5.5	5.5	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°	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6
2.5°	1851.5	1852.4	1852.4	1856.0	1857.8	1858.7	1858.7	1866.0	1863.3	1865.1	1866.9
5°	1825.1	1830.6	1832.4	1832.4	1842.4	1846.0	1849.6	1857.8	1858.7	1864.2	1870.5
7.5°	1799.7	1806.0	1809.7	1817.9	1824.2	1830.6	1841.5	1846.9	1852.4	1859.7	1867.8
10°	1775.1	1782.4	1789.7	1796.1	1806.0	1814.2	1821.5	1834.2	1840.6	1850.6	1861.5
12.5°	1751.6	1761.5	1767.9	1778.8	1789.7	1797.0	1807.9	1819.7	1829.7	1839.7	1852.4
15°	1730.7	1742.5	1749.7	1761.5	1773.4	1783.3	1795.2	1809.7	1817.0	1828.8	1840.6
17.5°	1707.9	1720.7	1729.8	1740.6	1755.2	1766.1	1776.1	1790.6	1799.7	1812.4	1826.0
20°	1684.3	1697.0	1707.9	1718.8	1733.4	1744.3	1756.1	1770.6	1780.6	1793.3	1804.2
22.5°	1656.2	1668.0	1679.8	1692.5	1707.0	1716.1	1729.8	1742.5	1753.3	1765.2	1776.1
25°	1619.8	1634.4	1643.4	1655.2	1667.0	1677.0	1691.6	1704.3	1713.4	1724.3	1734.3
27.5°	1577.1	1588.0	1595.3	1605.3	1617.1	1626.2	1637.1	1649.8	1658.9	1668.9	1676.1
30°	1504.4	1514.4	1520.8	1528.1	1539.9	1548.1	1557.1	1568.9	1575.3	1582.6	1588.9
32.5°	1409.0	1417.2	1420.8	1426.3	1434.5	1442.6	1449.9	1459.9	1462.7	1467.2	1467.2
35°	1271.0	1272.8	1271.9	1273.7	1277.3	1281.9	1288.2	1294.6	1298.2	1298.2	1295.5
37.5°	1109.2	1098.4	1086.5	1077.5	1074.7	1072.9	1076.6	1079.3	1082.9	1084.7	1080.2
40°	941.2	916.7	890.3	866.7	850.3	843.1	840.3	842.1	842.1	848.5	848.5
42.5°	796.7	758.6	719.5	684.1	660.4	642.3	634.1	634.1	635.0	639.6	642.3
45°	676.8	628.7	583.2	544.2	511.5	487.8	477.0	474.2	473.3	475.1	481.5
47.5°	585.1	535.1	487.8	439.7	405.2	381.6	371.6	367.9	364.3	367.9	368.9
50°	513.3	461.5	411.6	363.4	327.0	306.1	293.4	288.0	287.1	287.1	288.9
52.5°	447.9	399.7	349.8	300.7	262.5	242.6	230.8	228.0	224.4	228.0	228.0
55°	386.1	338.0	288.9	242.6	210.8	189.9	179.0	175.3	173.5	176.2	176.2
57.5°	318.9	278.0	232.6	190.8	159.0	144.5	136.3	131.7	130.8	132.6	130.8
60°	261.6	227.1	188.1	149.9	125.4	109.9	103.6	101.7	99.9	101.7	101.7
62.5°	207.1	178.1	146.2	117.2	96.3	85.4	78.1	78.1	77.2	77.2	78.1
65°	153.5	130.8	108.1	83.6	67.2	59.0	53.6	53.6	52.7	53.6	52.7
67.5°	111.7	96.3	78.1	60.9	48.2	43.6	40.0	37.2	39.1	37.2	36.3
70°	81.8	69.0	56.3	46.3	37.2	32.7	30.0	29.1	27.3	27.3	27.3
72.5°	54.5	46.3	38.1	30.0	24.5	20.0	19.1	17.3	15.4	16.3	18.2
75°	36.3	30.9	27.3	21.8	16.3	16.3	10.9	10.9	9.1	10.9	8.2
77.5°	25.4	20.9	16.3	13.6	10.9	10.0	7.3	7.3	6.4	6.4	6.4
80°	18.2	15.4	11.8	10.0	7.3	7.3	6.4	5.5	4.5	4.5	5.5
82.5°	10.9	8.2	8.2	7.3	4.5	3.6	2.7	3.6	1.8	1.8	1.8
85°	6.4	5.5	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°	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6
2.5°	1871.5	1870.5	1872.4	1872.4	1877.8	1876.9	1879.6	1879.6	1877.8	1878.7	1882.4
5°	1877.8	1880.6	1886.0	1890.5	1898.7	1902.4	1906.9	1911.4	1912.3	1915.1	1917.8
7.5°	1877.8	1886.9	1893.3	1901.4	1912.3	1918.7	1928.7	1936.9	1940.5	1945.0	1950.5
10°	1874.2	1883.3	1895.1	1904.2	1917.8	1927.8	1937.8	1950.5	1955.9	1963.2	1970.5
12.5°	1866.9	1876.9	1889.6	1901.4	1916.9	1926.0	1938.7	1950.5	1958.7	1968.7	1976.9
15°	1856.0	1867.8	1879.6	1891.4	1907.8	1918.7	1930.5	1944.1	1952.3	1963.2	1970.5
17.5°	1838.8	1851.5	1862.4	1873.3	1888.7	1901.4	1912.3	1925.1	1933.2	1942.3	1952.3
20°	1817.9	1829.7	1841.5	1850.6	1866.0	1876.9	1888.7	1900.5	1906.9	1908.7	1924.2
22.5°	1791.5	1799.7	1808.8	1823.3	1832.4	1842.4	1853.3	1864.2	1870.5	1880.6	1886.0
25°	1747.9	1756.1	1766.1	1772.4	1783.3	1791.5	1802.4	1814.2	1817.9	1825.1	1830.6
27.5°	1687.1	1691.6	1696.1	1701.6	1707.9	1712.5	1718.8	1724.3	1727.9	1731.5	1735.2
30°	1590.7	1590.7	1590.7	1587.1	1589.8	1592.6	1593.5	1592.6	1592.6	1591.7	1591.7
32.5°	1463.5	1456.3	1448.1	1440.9	1438.1	1434.5	1432.7	1429.9	1425.4	1422.7	1423.6
35°	1291.8	1275.5	1265.5	1256.4	1249.2	1243.7	1241.0	1238.3	1237.4	1233.7	1230.1
37.5°	1077.5	1065.6	1058.4	1052.9	1046.6	1041.1	1042.0	1042.9	1045.6	1043.8	1044.7
40°	850.3	847.6	850.3	844.0	842.1	844.0	848.5	854.9	858.5	862.1	868.5
42.5°	646.8	651.4	657.8	657.8	660.4	664.1	669.5	679.6	685.0	691.3	698.6
45°	486.9	492.4	500.6	503.3	505.1	509.6	516.0	524.2	527.8	533.3	539.6
47.5°	375.2	378.8	383.4	387.9	392.4	394.3	400.6	400.6	405.2	408.8	410.6
50°	292.5	296.2	299.8	302.5	304.3	307.1	308.9	311.6	312.5	314.3	315.2
52.5°	228.9	233.5	233.5	235.3	238.0	240.7	239.8	240.7	241.6	241.6	244.4
55°	179.0	179.0	181.7	181.7	183.5	182.6	183.5	183.5	183.5	183.5	184.4
57.5°	133.5	134.5	137.2	135.4	134.5	136.3	134.5	136.3	135.4	137.2	134.5
60°	102.6	102.6	103.6	103.6	104.5	104.5	104.5	103.6	103.6	102.6	102.6
62.5°	77.2	78.1	79.1	78.1	78.1	78.1	77.2	77.2	76.3	75.4	75.4
65°	51.8	50.9	52.7	50.9	51.8	51.8	50.9	51.8	49.1	50.0	49.1
67.5°	37.2	36.3	35.4	36.3	35.4	34.5	34.5	35.4	36.3	33.6	33.6
70°	24.5	25.4	24.5	25.4	26.4	26.4	25.4	24.5	25.4	23.6	24.5
72.5°	15.4	15.4	15.4	15.4	15.4	16.3	16.3	16.3	14.5	14.5	13.6
75°	7.3	10.0	8.2	7.3	10.0	10.0	9.1	9.1	8.2	8.2	8.2
77.5°	7.3	5.5	5.5	5.5	5.5	5.5	5.5	5.5	4.5	5.5	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: P244545

CATALOG NUMBER: LD8B30D010 ER8B30850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6
2.5°	1881.5	1880.6	1881.5	1882.4	1881.5	1880.6	1881.5	1882.4	1878.7	1877.8	1879.6
5°	1921.4	1921.4	1923.2	1924.2	1923.2	1921.4	1921.4	1917.8	1915.1	1912.3	1911.4
7.5°	1955.9	1957.8	1959.6	1960.5	1959.6	1957.8	1955.9	1950.5	1945.0	1940.5	1936.9
10°	1976.9	1979.6	1983.2	1985.0	1983.2	1979.6	1976.9	1970.5	1963.2	1955.9	1950.5
12.5°	1985.9	1988.7	1993.2	1992.3	1993.2	1988.7	1985.9	1976.9	1968.7	1958.7	1950.5
15°	1979.6	1983.2	1987.7	1989.6	1987.7	1983.2	1979.6	1970.5	1963.2	1952.3	1944.1
17.5°	1959.6	1965.0	1967.8	1970.5	1967.8	1965.0	1959.6	1952.3	1942.3	1933.2	1925.1
20°	1932.3	1936.0	1939.6	1940.5	1939.6	1936.0	1932.3	1924.2	1908.7	1906.9	1900.5
22.5°	1893.3	1896.0	1904.2	1901.4	1904.2	1896.0	1893.3	1886.0	1880.6	1870.5	1864.2
25°	1836.9	1839.7	1840.6	1841.5	1840.6	1839.7	1836.9	1830.6	1825.1	1817.9	1814.2
27.5°	1739.7	1739.7	1741.5	1742.5	1741.5	1739.7	1739.7	1735.2	1731.5	1727.9	1724.3
30°	1592.6	1592.6	1592.6	1597.1	1592.6	1592.6	1592.6	1591.7	1591.7	1592.6	1592.6
32.5°	1422.7	1420.8	1419.1	1420.8	1419.1	1420.8	1422.7	1423.6	1422.7	1425.4	1429.9
35°	1230.1	1229.2	1231.9	1228.3	1231.9	1229.2	1230.1	1230.1	1233.7	1237.4	1238.3
37.5°	1045.6	1043.8	1047.5	1043.8	1047.5	1043.8	1045.6	1044.7	1043.8	1045.6	1042.9
40°	870.3	872.1	872.1	879.4	872.1	872.1	870.3	868.5	862.1	858.5	854.9
42.5°	702.3	707.7	705.9	711.3	705.9	707.7	702.3	698.6	691.3	685.0	679.6
45°	543.3	546.9	546.9	548.7	546.9	546.9	543.3	539.6	533.3	527.8	524.2
47.5°	417.0	417.0	417.0	417.9	417.0	417.0	417.0	410.6	408.8	405.2	400.6
50°	317.1	318.0	318.9	319.8	318.9	318.0	317.1	315.2	314.3	312.5	311.6
52.5°	243.5	244.4	242.6	244.4	242.6	244.4	243.5	244.4	241.6	241.6	240.7
55°	184.4	183.5	184.4	185.3	184.4	183.5	184.4	184.4	183.5	183.5	183.5
57.5°	135.4	133.5	133.5	133.5	133.5	133.5	135.4	134.5	137.2	135.4	136.3
60°	100.9	101.7	101.7	102.6	101.7	101.7	100.9	102.6	102.6	103.6	103.6
62.5°	74.5	77.2	75.4	77.2	75.4	77.2	74.5	75.4	75.4	76.3	77.2
65°	48.2	48.2	48.2	49.1	48.2	48.2	48.2	49.1	50.0	49.1	51.8
67.5°	32.7	33.6	35.4	34.5	35.4	33.6	32.7	33.6	33.6	36.3	35.4
70°	26.4	23.6	23.6	26.4	23.6	23.6	26.4	24.5	23.6	25.4	24.5
72.5°	15.4	13.6	15.4	15.4	15.4	13.6	15.4	13.6	14.5	14.5	16.3
75°	8.2	7.3	6.4	9.1	6.4	7.3	8.2	8.2	8.2	8.2	9.1
77.5°	5.5	4.5	6.4	6.4	6.4	4.5	5.5	4.5	5.5	4.5	5.5
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: P244545

CATALOG NUMBER: LD8B30D010 ER8B30850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6
2.5°	1879.6	1876.9	1877.8	1872.4	1872.4	1870.5	1871.5	1866.9	1865.1	1863.3	1866.0
5°	1906.9	1902.4	1898.7	1890.5	1886.0	1880.6	1877.8	1870.5	1864.2	1858.7	1857.8
7.5°	1928.7	1918.7	1912.3	1901.4	1893.3	1886.9	1877.8	1867.8	1859.7	1852.4	1846.9
10°	1937.8	1927.8	1917.8	1904.2	1895.1	1883.3	1874.2	1861.5	1850.6	1840.6	1834.2
12.5°	1938.7	1926.0	1916.9	1901.4	1889.6	1876.9	1866.9	1852.4	1839.7	1829.7	1819.7
15°	1930.5	1918.7	1907.8	1891.4	1879.6	1867.8	1856.0	1840.6	1828.8	1817.0	1809.7
17.5°	1912.3	1901.4	1888.7	1873.3	1862.4	1851.5	1838.8	1826.0	1812.4	1799.7	1790.6
20°	1888.7	1876.9	1866.0	1850.6	1841.5	1829.7	1817.9	1804.2	1793.3	1780.6	1770.6
22.5°	1853.3	1842.4	1832.4	1823.3	1808.8	1799.7	1791.5	1776.1	1765.2	1753.3	1742.5
25°	1802.4	1791.5	1783.3	1772.4	1766.1	1756.1	1747.9	1734.3	1724.3	1713.4	1704.3
27.5°	1718.8	1712.5	1707.9	1701.6	1696.1	1691.6	1687.1	1676.1	1668.9	1658.9	1649.8
30°	1593.5	1592.6	1589.8	1587.1	1590.7	1590.7	1590.7	1588.9	1582.6	1575.3	1568.9
32.5°	1432.7	1434.5	1438.1	1440.9	1448.1	1456.3	1463.5	1467.2	1467.2	1462.7	1459.9
35°	1241.0	1243.7	1249.2	1256.4	1265.5	1275.5	1291.8	1295.5	1298.2	1298.2	1294.6
37.5°	1042.0	1041.1	1046.6	1052.9	1058.4	1065.6	1077.5	1080.2	1084.7	1082.9	1079.3
40°	848.5	844.0	842.1	844.0	850.3	847.6	850.3	848.5	848.5	842.1	842.1
42.5°	669.5	664.1	660.4	657.8	657.8	651.4	646.8	642.3	639.6	635.0	634.1
45°	516.0	509.6	505.1	503.3	500.6	492.4	486.9	481.5	475.1	473.3	474.2
47.5°	400.6	394.3	392.4	387.9	383.4	378.8	375.2	368.9	367.9	364.3	367.9
50°	308.9	307.1	304.3	302.5	299.8	296.2	292.5	288.9	287.1	287.1	288.0
52.5°	239.8	240.7	238.0	235.3	233.5	233.5	228.9	228.0	228.0	224.4	228.0
55°	183.5	182.6	183.5	181.7	181.7	179.0	179.0	176.2	176.2	173.5	175.3
57.5°	134.5	136.3	134.5	135.4	137.2	134.5	133.5	130.8	132.6	130.8	131.7
60°	104.5	104.5	104.5	103.6	103.6	102.6	102.6	101.7	101.7	99.9	101.7
62.5°	77.2	78.1	78.1	78.1	79.1	78.1	77.2	78.1	77.2	77.2	78.1
65°	50.9	51.8	51.8	50.9	52.7	50.9	51.8	52.7	53.6	52.7	53.6
67.5°	34.5	34.5	35.4	36.3	35.4	36.3	37.2	36.3	37.2	39.1	37.2
70°	25.4	26.4	26.4	25.4	24.5	25.4	24.5	27.3	27.3	27.3	29.1
72.5°	16.3	16.3	15.4	15.4	15.4	15.4	15.4	18.2	16.3	15.4	17.3
75°	9.1	10.0	10.0	7.3	8.2	10.0	7.3	8.2	10.9	9.1	10.9
77.5°	5.5	5.5	5.5	5.5	5.5	5.5	7.3	6.4	6.4	6.4	7.3
80°	4.5	3.6	3.6	2.7	3.6	3.6	3.6	5.5	4.5	4.5	5.5
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: P244545

CATALOG NUMBER: LD8B30D010 ER8B30850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6
2.5°	1858.7	1858.7	1857.8	1856.0	1852.4	1852.4	1851.5	1848.7	1846.9	1846.0	1846.0
5°	1849.6	1846.0	1842.4	1832.4	1832.4	1830.6	1825.1	1821.5	1819.7	1815.1	1813.3
7.5°	1841.5	1830.6	1824.2	1817.9	1809.7	1806.0	1799.7	1797.0	1790.6	1786.1	1783.3
10°	1821.5	1814.2	1806.0	1796.1	1789.7	1782.4	1775.1	1769.7	1761.5	1757.0	1753.3
12.5°	1807.9	1797.0	1789.7	1778.8	1767.9	1761.5	1751.6	1745.2	1737.0	1727.9	1722.5
15°	1795.2	1783.3	1773.4	1761.5	1749.7	1742.5	1730.7	1723.4	1711.6	1702.5	1696.1
17.5°	1776.1	1766.1	1755.2	1740.6	1729.8	1720.7	1707.9	1698.9	1687.9	1676.1	1669.8
20°	1756.1	1744.3	1733.4	1718.8	1707.9	1697.0	1684.3	1674.3	1661.6	1650.7	1643.4
22.5°	1729.8	1716.1	1707.0	1692.5	1679.8	1668.0	1656.2	1644.3	1632.5	1623.4	1615.3
25°	1691.6	1677.0	1667.0	1655.2	1643.4	1634.4	1619.8	1612.6	1600.7	1592.6	1584.4
27.5°	1637.1	1626.2	1617.1	1605.3	1595.3	1588.0	1577.1	1569.9	1559.8	1552.6	1546.2
30°	1557.1	1548.1	1539.9	1528.1	1520.8	1514.4	1504.4	1498.1	1490.8	1482.6	1480.8
32.5°	1449.9	1442.6	1434.5	1426.3	1420.8	1417.2	1409.0	1405.4	1398.1	1393.6	1389.1
35°	1288.2	1281.9	1277.3	1273.7	1271.9	1272.8	1271.0	1274.6	1276.4	1275.5	1276.4
37.5°	1076.6	1072.9	1074.7	1077.5	1086.5	1098.4	1109.2	1125.6	1136.5	1147.4	1157.4
40°	840.3	843.1	850.3	866.7	890.3	916.7	941.2	972.1	1003.0	1024.8	1044.7
42.5°	634.1	642.3	660.4	684.1	719.5	758.6	796.7	842.1	879.4	915.7	941.2
45°	477.0	487.8	511.5	544.2	583.2	628.7	676.8	727.7	772.2	809.5	837.6
47.5°	371.6	381.6	405.2	439.7	487.8	535.1	585.1	637.7	684.1	720.4	745.0
50°	293.4	306.1	327.0	363.4	411.6	461.5	513.3	565.1	608.7	639.6	661.4
52.5°	230.8	242.6	262.5	300.7	349.8	399.7	447.9	498.8	536.9	566.9	581.4
55°	179.0	189.9	210.8	242.6	288.9	338.0	386.1	429.7	465.1	486.9	500.6
57.5°	136.3	144.5	159.0	190.8	232.6	278.0	318.9	362.5	389.8	405.2	414.2
60°	103.6	109.9	125.4	149.9	188.1	227.1	261.6	294.4	316.2	328.9	338.0
62.5°	78.1	85.4	96.3	117.2	146.2	178.1	207.1	231.7	249.8	258.0	264.4
65°	53.6	59.0	67.2	83.6	108.1	130.8	153.5	171.7	183.5	192.6	196.2
67.5°	40.0	43.6	48.2	60.9	78.1	96.3	111.7	124.4	137.2	140.8	147.2
70°	30.0	32.7	37.2	46.3	56.3	69.0	81.8	89.0	98.1	104.5	106.3
72.5°	19.1	20.0	24.5	30.0	38.1	46.3	54.5	60.9	66.3	70.0	71.8
75°	10.9	16.3	16.3	21.8	27.3	30.9	36.3	40.9	43.6	46.3	46.3
77.5°	7.3	10.0	10.9	13.6	16.3	20.9	25.4	28.2	30.9	31.8	31.8
80°	6.4	7.3	7.3	10.0	11.8	15.4	18.2	19.1	20.9	21.8	23.6
82.5°	2.7	3.6	4.5	7.3	8.2	8.2	10.9	11.8	13.6	14.5	14.5
85°	0.9	1.8	1.8	2.7	4.5	5.5	6.4	7.3	8.2	8.2	9.1
87.5°	0.9	0.9	0.0	0.9	1.8	1.8	3.6	3.6	3.6	5.5	5.5
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: P244545

CATALOG NUMBER: LD8B30D010 ER8B30850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6	1860.6
2.5°	1844.2	1845.1	1841.5	1840.6	1838.8	1839.7	1841.5
5°	1810.6	1811.5	1807.9	1804.2	1804.2	1803.3	1804.2
7.5°	1778.8	1779.7	1774.3	1772.4	1768.8	1769.7	1769.7
10°	1747.0	1747.0	1738.8	1737.9	1735.2	1734.3	1734.3
12.5°	1716.1	1713.4	1707.0	1703.4	1705.2	1699.8	1699.8
15°	1688.8	1684.3	1676.1	1673.4	1668.9	1667.0	1667.0
17.5°	1660.7	1657.1	1649.8	1644.3	1638.9	1638.0	1638.9
20°	1633.4	1629.8	1620.7	1617.1	1612.6	1612.6	1610.7
22.5°	1606.2	1602.5	1594.4	1591.7	1585.3	1585.3	1586.2
25°	1578.0	1575.3	1566.2	1564.4	1563.5	1559.8	1561.7
27.5°	1539.9	1538.0	1530.8	1528.1	1524.4	1523.5	1525.3
30°	1469.9	1467.2	1461.8	1459.0	1452.7	1453.6	1455.4
32.5°	1382.7	1379.1	1371.8	1369.1	1363.6	1361.8	1362.7
35°	1273.7	1271.0	1264.6	1264.6	1259.2	1257.3	1259.2
37.5°	1162.9	1165.6	1162.9	1165.6	1162.9	1161.9	1162.9
40°	1058.4	1068.4	1070.2	1080.2	1076.6	1082.0	1081.1
42.5°	958.4	974.8	981.2	989.3	987.5	991.2	993.9
45°	857.6	871.2	877.6	883.1	883.9	885.8	886.7
47.5°	762.2	773.1	774.0	780.4	779.5	779.5	782.2
50°	673.2	680.5	682.2	686.8	683.2	681.3	682.2
52.5°	590.5	597.8	595.9	597.8	593.2	591.4	592.3
55°	506.0	509.6	509.6	509.6	504.2	504.2	504.2
57.5°	419.7	420.6	418.8	419.7	418.8	413.3	412.5
60°	340.7	340.7	339.8	340.7	338.0	335.2	335.2
62.5°	266.2	268.0	271.6	268.0	266.2	268.0	265.3
65°	199.0	202.6	201.7	203.5	202.6	202.6	200.8
67.5°	149.9	150.8	151.7	152.6	152.6	152.6	152.6
70°	109.9	112.7	111.7	111.7	111.7	111.7	117.2
72.5°	73.6	77.2	76.3	78.1	78.1	79.9	78.1
75°	50.0	53.6	51.8	54.5	53.6	51.8	56.3
77.5°	33.6	35.4	36.3	37.2	36.3	35.4	36.3
80°	23.6	25.4	24.5	25.4	25.4	25.4	26.4
82.5°	14.5	17.3	16.3	17.3	16.3	17.3	17.3
85°	10.0	10.9	9.1	10.9	10.0	10.0	11.8
87.5°	6.4	5.5	5.5	6.4	5.5	6.4	5.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)