

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: P244533

Luminaire Tested: **LD8B30D010 ER8B30835 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244533
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 ER8B30835 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3094.0 lumens
Efficiency: N/A
Efficacy: 114.2 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

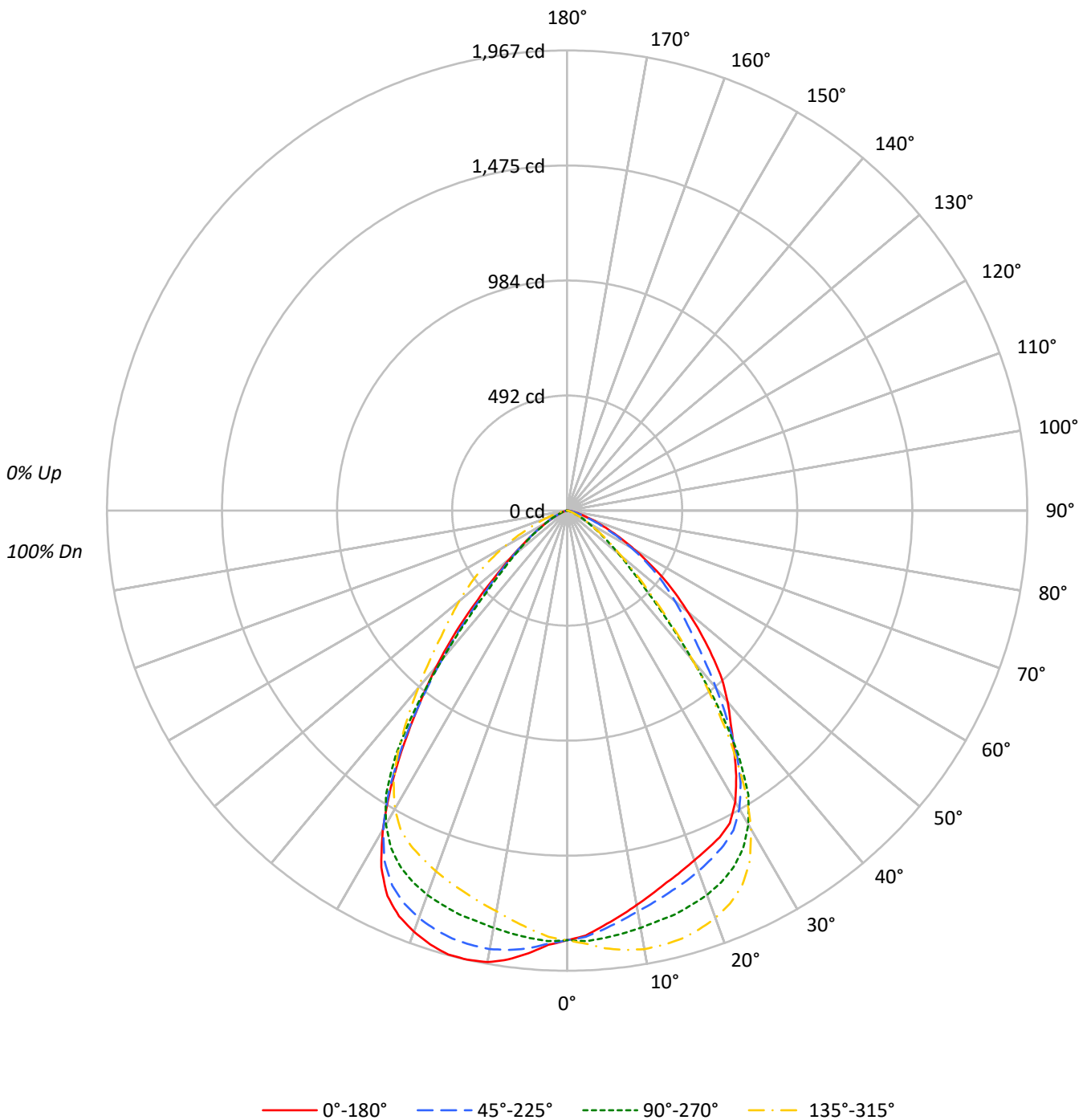
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	56640	56640	56640	56640
5°	55135	56773	58800	56773
10°	53609	56700	61362	56700
15°	52541	57036	62705	57036
20°	52183	57361	62864	57361
25°	52455	57246	61856	57246
30°	51160	55151	56141	55151
35°	46795	48109	45647	48109
40°	42963	33467	34948	33467
45°	38175	20418	23623	20418
50°	32310	13639	15145	13639
55°	26762	9306	9838	9306
60°	20414	6192	6247	6192
65°	14462	3860	3532	3860
70°	10431	2588	2344	2588
75°	6624	1287	1072	1287
80°	4617	959	799	959
85°	4140	0	318	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.8	5.7
10°-20°	506.3	16.4
20°-30°	766.6	24.8
30°-40°	768.3	24.8
40°-50°	482.5	15.6
50°-60°	257.1	8.3
60°-70°	105.7	3.4
70°-80°	27.9	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°	1447.7	46.8
0°-40°	2216.0	71.6
0°-60°	2955.6	95.5
0°-90°	3094.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3094.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1837	1837	1837	1837	1837	
5°	1781	1834	1900	1834	1781	168
15°	1646	1787	1964	1787	1646	465
25°	1542	1682	1818	1682	1542	707
35°	1243	1278	1213	1278	1243	779
45°	875	468	542	468	875	673
55°	498	173	183	173	498	444
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°	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8
2.5°	1818.0	1816.2	1815.3	1817.1	1818.0	1821.6	1820.7	1822.4	1822.4	1823.4	1825.1
5°	1781.2	1780.3	1781.2	1781.2	1784.8	1788.4	1787.5	1790.2	1792.0	1796.5	1798.2
7.5°	1747.1	1747.1	1746.2	1749.8	1751.6	1757.0	1756.1	1760.6	1763.3	1767.7	1774.0
10°	1712.1	1712.1	1713.0	1715.7	1716.6	1724.7	1724.7	1731.0	1734.6	1739.1	1747.1
12.5°	1678.1	1678.1	1683.5	1681.7	1685.2	1691.5	1694.2	1700.5	1705.9	1714.8	1722.9
15°	1645.8	1645.8	1647.6	1652.0	1654.7	1662.8	1667.3	1674.5	1680.8	1689.7	1701.4
17.5°	1618.0	1617.1	1618.0	1623.4	1628.7	1635.9	1639.5	1648.5	1654.7	1666.4	1677.2
20°	1590.2	1592.0	1592.0	1596.4	1600.0	1609.0	1612.6	1622.5	1629.6	1640.4	1653.0
22.5°	1566.0	1565.1	1565.1	1571.3	1574.0	1582.1	1585.7	1594.6	1602.7	1611.7	1623.4
25°	1541.7	1539.9	1543.5	1544.4	1546.2	1555.2	1557.9	1564.1	1572.2	1580.3	1592.0
27.5°	1505.9	1504.1	1505.0	1508.5	1511.2	1518.4	1520.2	1526.5	1532.8	1539.9	1549.8
30°	1436.8	1435.0	1434.1	1440.4	1443.1	1448.4	1451.1	1461.9	1463.7	1471.8	1478.9
32.5°	1345.3	1344.4	1346.2	1351.6	1354.3	1361.5	1365.1	1371.3	1375.8	1380.3	1387.5
35°	1243.1	1241.3	1243.1	1248.5	1248.5	1254.7	1257.4	1260.1	1259.2	1260.1	1258.3
37.5°	1148.0	1147.1	1148.0	1150.7	1148.0	1150.7	1148.0	1142.6	1132.8	1122.0	1111.2
40°	1067.3	1068.2	1062.8	1066.4	1056.5	1054.7	1044.9	1031.4	1011.7	990.2	959.7
42.5°	981.2	978.5	974.9	976.7	968.6	962.3	946.2	929.2	904.0	868.2	831.4
45°	875.4	874.5	872.7	871.8	866.4	860.1	846.6	826.9	799.1	762.4	718.4
47.5°	772.2	769.5	769.5	770.4	764.1	763.2	752.5	735.4	711.2	675.3	629.6
50°	673.5	672.7	674.5	678.0	673.5	671.8	664.6	652.9	631.4	600.9	557.8
52.5°	584.8	583.9	585.7	590.1	588.3	590.1	583.0	574.0	559.7	530.0	492.4
55°	497.8	497.8	497.8	503.1	503.1	503.1	499.6	494.2	480.7	459.2	424.2
57.5°	407.2	408.1	413.5	414.3	413.5	415.3	414.3	409.0	400.0	384.8	357.9
60°	331.0	331.0	333.6	336.3	335.4	336.3	336.3	333.6	324.7	312.1	290.6
62.5°	261.9	264.6	262.8	264.6	268.2	264.6	262.8	261.0	254.7	246.6	228.7
65°	198.2	200.0	200.0	200.9	199.1	200.0	196.4	193.7	190.2	181.2	169.5
67.5°	150.7	150.7	150.7	150.7	149.8	148.9	148.0	145.3	139.0	135.4	122.9
70°	115.7	110.3	110.3	110.3	110.3	111.2	108.5	105.0	103.1	96.9	87.9
72.5°	77.1	78.9	77.1	77.1	75.3	76.2	72.7	70.8	69.1	65.5	60.1
75°	55.6	51.1	52.9	53.8	51.1	52.9	49.3	45.7	45.7	43.0	40.3
77.5°	35.9	35.0	35.9	36.8	35.9	35.0	33.2	31.4	31.4	30.5	27.8
80°	26.0	25.1	25.1	25.1	24.2	25.1	23.3	23.3	21.5	20.6	18.8
82.5°	17.1	17.1	16.1	17.1	16.1	17.1	14.4	14.4	14.4	13.4	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°	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8
2.5°	1827.8	1828.7	1828.7	1832.3	1834.1	1835.0	1835.0	1842.2	1839.5	1841.3	1843.1
5°	1801.9	1807.2	1809.0	1809.0	1818.9	1822.4	1826.0	1834.1	1835.0	1840.4	1846.7
7.5°	1776.7	1783.0	1786.6	1794.7	1800.9	1807.2	1818.0	1823.4	1828.7	1835.9	1844.0
10°	1752.5	1759.7	1766.9	1773.1	1783.0	1791.1	1798.2	1810.8	1817.1	1827.0	1837.7
12.5°	1729.2	1739.1	1745.3	1756.1	1766.9	1774.0	1784.8	1796.5	1806.3	1816.2	1828.7
15°	1708.6	1720.2	1727.4	1739.1	1750.7	1760.6	1772.2	1786.6	1793.8	1805.4	1817.1
17.5°	1686.1	1698.7	1707.7	1718.4	1732.8	1743.5	1753.4	1767.7	1776.7	1789.3	1802.7
20°	1662.8	1675.4	1686.1	1696.9	1711.3	1722.0	1733.7	1748.0	1757.9	1770.4	1781.2
22.5°	1635.0	1646.7	1658.3	1670.9	1685.2	1694.2	1707.7	1720.2	1731.0	1742.6	1753.4
25°	1599.1	1613.5	1622.5	1634.1	1645.8	1655.6	1670.0	1682.5	1691.5	1702.3	1712.1
27.5°	1557.0	1567.8	1574.9	1584.8	1596.4	1605.4	1616.2	1628.7	1637.7	1647.6	1654.7
30°	1485.2	1495.1	1501.4	1508.5	1520.2	1528.3	1537.3	1548.9	1555.2	1562.4	1568.6
32.5°	1391.0	1399.1	1402.7	1408.1	1416.2	1424.2	1431.4	1441.3	1444.0	1448.4	1448.4
35°	1254.7	1256.5	1255.6	1257.4	1261.0	1265.5	1271.8	1278.0	1281.6	1281.6	1279.0
37.5°	1095.1	1084.3	1072.7	1063.7	1061.0	1059.2	1062.8	1065.5	1069.1	1070.9	1066.4
40°	929.2	905.0	878.9	855.6	839.5	832.3	829.6	831.4	831.4	837.7	837.7
42.5°	786.6	748.9	710.3	675.3	652.0	634.1	626.0	626.0	626.9	631.4	634.1
45°	668.2	620.6	575.8	537.2	504.9	481.6	470.9	468.2	467.3	469.1	475.3
47.5°	577.6	528.3	481.6	434.1	400.0	376.7	366.8	363.2	359.6	363.2	364.1
50°	506.8	455.6	406.3	358.8	322.9	302.2	289.7	284.3	283.4	283.4	285.2
52.5°	442.1	394.6	345.3	296.9	259.2	239.5	227.8	225.1	221.5	225.1	225.1
55°	381.2	333.6	285.2	239.5	208.1	187.5	176.7	173.1	171.3	174.0	174.0
57.5°	314.8	274.4	229.6	188.3	157.0	142.6	134.5	130.1	129.1	130.9	129.1
60°	258.3	224.2	185.7	148.0	123.8	108.5	102.3	100.4	98.6	100.4	100.4
62.5°	204.5	175.8	144.4	115.7	95.1	84.3	77.1	77.1	76.2	76.2	77.1
65°	151.6	129.1	106.7	82.5	66.4	58.3	52.9	52.9	52.0	52.9	52.0
67.5°	110.3	95.1	77.1	60.1	47.5	43.0	39.5	36.8	38.6	36.8	35.9
70°	80.7	68.1	55.6	45.7	36.8	32.3	29.6	28.7	26.9	26.9	26.9
72.5°	53.8	45.7	37.7	29.6	24.2	19.7	18.8	17.1	15.2	16.1	17.9
75°	35.9	30.5	26.9	21.5	16.1	16.1	10.8	10.8	9.0	10.8	8.1
77.5°	25.1	20.6	16.1	13.4	10.8	9.9	7.2	7.2	6.3	6.3	6.3
80°	17.9	15.2	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°	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8
2.5°	1847.6	1846.7	1848.5	1848.5	1853.9	1852.9	1855.6	1855.6	1853.9	1854.8	1858.3
5°	1853.9	1856.6	1861.9	1866.4	1874.5	1878.1	1882.5	1887.1	1887.9	1890.6	1893.3
7.5°	1853.9	1862.8	1869.1	1877.2	1887.9	1894.2	1904.1	1912.2	1915.7	1920.2	1925.6
10°	1850.2	1859.2	1870.9	1879.9	1893.3	1903.2	1913.0	1925.6	1931.0	1938.1	1945.3
12.5°	1843.1	1852.9	1865.5	1877.2	1892.4	1901.4	1913.9	1925.6	1933.7	1943.5	1951.6
15°	1832.3	1844.0	1855.6	1867.3	1883.4	1894.2	1905.9	1919.3	1927.4	1938.1	1945.3
17.5°	1815.3	1827.8	1838.6	1849.4	1864.6	1877.2	1887.9	1900.5	1908.6	1917.5	1927.4
20°	1794.7	1806.3	1818.0	1827.0	1842.2	1852.9	1864.6	1876.3	1882.5	1884.4	1899.6
22.5°	1768.7	1776.7	1785.7	1800.0	1809.0	1818.9	1829.6	1840.4	1846.7	1856.6	1861.9
25°	1725.6	1733.7	1743.5	1749.8	1760.6	1768.7	1779.4	1791.1	1794.7	1801.9	1807.2
27.5°	1665.5	1670.0	1674.5	1679.8	1686.1	1690.6	1696.9	1702.3	1705.9	1709.4	1713.0
30°	1570.4	1570.4	1570.4	1566.8	1569.5	1572.2	1573.1	1572.2	1572.2	1571.3	1571.3
32.5°	1444.9	1437.7	1429.6	1422.5	1419.8	1416.2	1414.4	1411.7	1407.2	1404.5	1405.4
35°	1275.3	1259.2	1249.4	1240.4	1233.2	1227.8	1225.1	1222.4	1221.6	1218.0	1214.4
37.5°	1063.7	1052.0	1044.9	1039.5	1033.2	1027.8	1028.7	1029.6	1032.3	1030.5	1031.4
40°	839.5	836.8	839.5	833.2	831.4	833.2	837.7	844.0	847.6	851.1	857.4
42.5°	638.6	643.0	649.4	649.4	652.0	655.6	661.0	670.9	676.2	682.5	689.7
45°	480.7	486.1	494.2	496.9	498.7	503.1	509.4	517.5	521.1	526.5	532.7
47.5°	370.4	374.0	378.5	383.0	387.4	389.2	395.5	395.5	400.0	403.6	405.4
50°	288.8	292.4	296.0	298.7	300.5	303.2	304.9	307.6	308.5	310.3	311.2
52.5°	226.0	230.5	230.5	232.3	235.0	237.7	236.8	237.7	238.6	238.6	241.2
55°	176.7	176.7	179.4	179.4	181.2	180.3	181.2	181.2	181.2	181.2	182.1
57.5°	131.8	132.8	135.4	133.6	132.8	134.5	132.8	134.5	133.6	135.4	132.8
60°	101.3	101.3	102.3	102.3	103.1	103.1	103.1	102.3	102.3	101.3	101.3
62.5°	76.2	77.1	78.0	77.1	77.1	77.1	76.2	76.2	75.3	74.4	74.4
65°	51.1	50.2	52.0	50.2	51.1	51.1	50.2	51.1	48.4	49.3	48.4
67.5°	36.8	35.9	35.0	35.9	35.0	34.1	34.1	35.0	35.9	33.2	33.2
70°	24.2	25.1	24.2	25.1	26.0	26.0	25.1	24.2	25.1	23.3	24.2
72.5°	15.2	15.2	15.2	15.2	15.2	16.1	16.1	16.1	14.4	14.4	13.4
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: P244533

CATALOG NUMBER: LD8B30D010 ER8B30835 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8
2.5°	1857.4	1856.6	1857.4	1858.3	1857.4	1856.6	1857.4	1858.3	1854.8	1853.9	1855.6
5°	1896.9	1896.9	1898.7	1899.6	1898.7	1896.9	1896.9	1893.3	1890.6	1887.9	1887.1
7.5°	1931.0	1932.8	1934.6	1935.5	1934.6	1932.8	1931.0	1925.6	1920.2	1915.7	1912.2
10°	1951.6	1954.3	1957.9	1959.7	1957.9	1954.3	1951.6	1945.3	1938.1	1931.0	1925.6
12.5°	1960.6	1963.3	1967.8	1966.9	1967.8	1963.3	1960.6	1951.6	1943.5	1933.7	1925.6
15°	1954.3	1957.9	1962.4	1964.2	1962.4	1957.9	1954.3	1945.3	1938.1	1927.4	1919.3
17.5°	1934.6	1940.0	1942.6	1945.3	1942.6	1940.0	1934.6	1927.4	1917.5	1908.6	1900.5
20°	1907.7	1911.3	1914.9	1915.7	1914.9	1911.3	1907.7	1899.6	1884.4	1882.5	1876.3
22.5°	1869.1	1871.8	1879.9	1877.2	1879.9	1871.8	1869.1	1861.9	1856.6	1846.7	1840.4
25°	1813.5	1816.2	1817.1	1818.0	1817.1	1816.2	1813.5	1807.2	1801.9	1794.7	1791.1
27.5°	1717.5	1717.5	1719.3	1720.2	1719.3	1717.5	1717.5	1713.0	1709.4	1705.9	1702.3
30°	1572.2	1572.2	1572.2	1576.7	1572.2	1572.2	1572.2	1571.3	1571.3	1572.2	1572.2
32.5°	1404.5	1402.7	1400.9	1402.7	1400.9	1402.7	1404.5	1405.4	1404.5	1407.2	1411.7
35°	1214.4	1213.5	1216.2	1212.6	1216.2	1213.5	1214.4	1214.4	1218.0	1221.6	1222.4
37.5°	1032.3	1030.5	1034.1	1030.5	1034.1	1030.5	1032.3	1031.4	1030.5	1032.3	1029.6
40°	859.2	861.0	861.0	868.2	861.0	861.0	859.2	857.4	851.1	847.6	844.0
42.5°	693.3	698.7	696.9	702.3	696.9	698.7	693.3	689.7	682.5	676.2	670.9
45°	536.3	539.9	539.9	541.7	539.9	539.9	536.3	532.7	526.5	521.1	517.5
47.5°	411.7	411.7	411.7	412.6	411.7	411.7	411.7	405.4	403.6	400.0	395.5
50°	313.0	313.9	314.8	315.7	314.8	313.9	313.0	311.2	310.3	308.5	307.6
52.5°	240.4	241.2	239.5	241.2	239.5	241.2	240.4	241.2	238.6	238.6	237.7
55°	182.1	181.2	182.1	183.0	182.1	181.2	182.1	182.1	181.2	181.2	181.2
57.5°	133.6	131.8	131.8	131.8	131.8	131.8	133.6	132.8	135.4	133.6	134.5
60°	99.6	100.4	100.4	101.3	100.4	100.4	99.6	101.3	101.3	102.3	102.3
62.5°	73.5	76.2	74.4	76.2	74.4	76.2	73.5	74.4	74.4	75.3	76.2
65°	47.5	47.5	47.5	48.4	47.5	47.5	47.5	48.4	49.3	48.4	51.1
67.5°	32.3	33.2	35.0	34.1	35.0	33.2	32.3	33.2	33.2	35.9	35.0
70°	26.0	23.3	23.3	26.0	23.3	23.3	26.0	24.2	23.3	25.1	24.2
72.5°	15.2	13.4	15.2	15.2	15.2	13.4	15.2	13.4	14.4	14.4	16.1
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: P244533

CATALOG NUMBER: LD8B30D010 ER8B30835 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8
2.5°	1855.6	1852.9	1853.9	1848.5	1848.5	1846.7	1847.6	1843.1	1841.3	1839.5	1842.2
5°	1882.5	1878.1	1874.5	1866.4	1861.9	1856.6	1853.9	1846.7	1840.4	1835.0	1834.1
7.5°	1904.1	1894.2	1887.9	1877.2	1869.1	1862.8	1853.9	1844.0	1835.9	1828.7	1823.4
10°	1913.0	1903.2	1893.3	1879.9	1870.9	1859.2	1850.2	1837.7	1827.0	1817.1	1810.8
12.5°	1913.9	1901.4	1892.4	1877.2	1865.5	1852.9	1843.1	1828.7	1816.2	1806.3	1796.5
15°	1905.9	1894.2	1883.4	1867.3	1855.6	1844.0	1832.3	1817.1	1805.4	1793.8	1786.6
17.5°	1887.9	1877.2	1864.6	1849.4	1838.6	1827.8	1815.3	1802.7	1789.3	1776.7	1767.7
20°	1864.6	1852.9	1842.2	1827.0	1818.0	1806.3	1794.7	1781.2	1770.4	1757.9	1748.0
22.5°	1829.6	1818.9	1809.0	1800.0	1785.7	1776.7	1768.7	1753.4	1742.6	1731.0	1720.2
25°	1779.4	1768.7	1760.6	1749.8	1743.5	1733.7	1725.6	1712.1	1702.3	1691.5	1682.5
27.5°	1696.9	1690.6	1686.1	1679.8	1674.5	1670.0	1665.5	1654.7	1647.6	1637.7	1628.7
30°	1573.1	1572.2	1569.5	1566.8	1570.4	1570.4	1570.4	1568.6	1562.4	1555.2	1548.9
32.5°	1414.4	1416.2	1419.8	1422.5	1429.6	1437.7	1444.9	1448.4	1448.4	1444.0	1441.3
35°	1225.1	1227.8	1233.2	1240.4	1249.4	1259.2	1275.3	1279.0	1281.6	1281.6	1278.0
37.5°	1028.7	1027.8	1033.2	1039.5	1044.9	1052.0	1063.7	1066.4	1070.9	1069.1	1065.5
40°	837.7	833.2	831.4	833.2	839.5	836.8	839.5	837.7	837.7	831.4	831.4
42.5°	661.0	655.6	652.0	649.4	649.4	643.0	638.6	634.1	631.4	626.9	626.0
45°	509.4	503.1	498.7	496.9	494.2	486.1	480.7	475.3	469.1	467.3	468.2
47.5°	395.5	389.2	387.4	383.0	378.5	374.0	370.4	364.1	363.2	359.6	363.2
50°	304.9	303.2	300.5	298.7	296.0	292.4	288.8	285.2	283.4	283.4	284.3
52.5°	236.8	237.7	235.0	232.3	230.5	230.5	226.0	225.1	225.1	221.5	225.1
55°	181.2	180.3	181.2	179.4	179.4	176.7	176.7	174.0	174.0	171.3	173.1
57.5°	132.8	134.5	132.8	133.6	135.4	132.8	131.8	129.1	130.9	129.1	130.1
60°	103.1	103.1	103.1	102.3	102.3	101.3	101.3	100.4	100.4	98.6	100.4
62.5°	76.2	77.1	77.1	77.1	78.0	77.1	76.2	77.1	76.2	76.2	77.1
65°	50.2	51.1	51.1	50.2	52.0	50.2	51.1	52.0	52.9	52.0	52.9
67.5°	34.1	34.1	35.0	35.9	35.0	35.9	36.8	35.9	36.8	38.6	36.8
70°	25.1	26.0	26.0	25.1	24.2	25.1	24.2	26.9	26.9	26.9	28.7
72.5°	16.1	16.1	15.2	15.2	15.2	15.2	15.2	17.9	16.1	15.2	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: P244533

CATALOG NUMBER: LD8B30D010 ER8B30835 8LBSWOH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8
2.5°	1835.0	1835.0	1834.1	1832.3	1828.7	1828.7	1827.8	1825.1	1823.4	1822.4	1822.4
5°	1826.0	1822.4	1818.9	1809.0	1809.0	1807.2	1801.9	1798.2	1796.5	1792.0	1790.2
7.5°	1818.0	1807.2	1800.9	1794.7	1786.6	1783.0	1776.7	1774.0	1767.7	1763.3	1760.6
10°	1798.2	1791.1	1783.0	1773.1	1766.9	1759.7	1752.5	1747.1	1739.1	1734.6	1731.0
12.5°	1784.8	1774.0	1766.9	1756.1	1745.3	1739.1	1729.2	1722.9	1714.8	1705.9	1700.5
15°	1772.2	1760.6	1750.7	1739.1	1727.4	1720.2	1708.6	1701.4	1689.7	1680.8	1674.5
17.5°	1753.4	1743.5	1732.8	1718.4	1707.7	1698.7	1686.1	1677.2	1666.4	1654.7	1648.5
20°	1733.7	1722.0	1711.3	1696.9	1686.1	1675.4	1662.8	1653.0	1640.4	1629.6	1622.5
22.5°	1707.7	1694.2	1685.2	1670.9	1658.3	1646.7	1635.0	1623.4	1611.7	1602.7	1594.6
25°	1670.0	1655.6	1645.8	1634.1	1622.5	1613.5	1599.1	1592.0	1580.3	1572.2	1564.1
27.5°	1616.2	1605.4	1596.4	1584.8	1574.9	1567.8	1557.0	1549.8	1539.9	1532.8	1526.5
30°	1537.3	1528.3	1520.2	1508.5	1501.4	1495.1	1485.2	1478.9	1471.8	1463.7	1461.9
32.5°	1431.4	1424.2	1416.2	1408.1	1402.7	1399.1	1391.0	1387.5	1380.3	1375.8	1371.3
35°	1271.8	1265.5	1261.0	1257.4	1255.6	1256.5	1254.7	1258.3	1260.1	1259.2	1260.1
37.5°	1062.8	1059.2	1061.0	1063.7	1072.7	1084.3	1095.1	1111.2	1122.0	1132.8	1142.6
40°	829.6	832.3	839.5	855.6	878.9	905.0	929.2	959.7	990.2	1011.7	1031.4
42.5°	626.0	634.1	652.0	675.3	710.3	748.9	786.6	831.4	868.2	904.0	929.2
45°	470.9	481.6	504.9	537.2	575.8	620.6	668.2	718.4	762.4	799.1	826.9
47.5°	366.8	376.7	400.0	434.1	481.6	528.3	577.6	629.6	675.3	711.2	735.4
50°	289.7	302.2	322.9	358.8	406.3	455.6	506.8	557.8	600.9	631.4	652.9
52.5°	227.8	239.5	259.2	296.9	345.3	394.6	442.1	492.4	530.0	559.7	574.0
55°	176.7	187.5	208.1	239.5	285.2	333.6	381.2	424.2	459.2	480.7	494.2
57.5°	134.5	142.6	157.0	188.3	229.6	274.4	314.8	357.9	384.8	400.0	409.0
60°	102.3	108.5	123.8	148.0	185.7	224.2	258.3	290.6	312.1	324.7	333.6
62.5°	77.1	84.3	95.1	115.7	144.4	175.8	204.5	228.7	246.6	254.7	261.0
65°	52.9	58.3	66.4	82.5	106.7	129.1	151.6	169.5	181.2	190.2	193.7
67.5°	39.5	43.0	47.5	60.1	77.1	95.1	110.3	122.9	135.4	139.0	145.3
70°	29.6	32.3	36.8	45.7	55.6	68.1	80.7	87.9	96.9	103.1	105.0
72.5°	18.8	19.7	24.2	29.6	37.7	45.7	53.8	60.1	65.5	69.1	70.8
75°	10.8	16.1	16.1	21.5	26.9	30.5	35.9	40.3	43.0	45.7	45.7
77.5°	7.2	9.9	10.8	13.4	16.1	20.6	25.1	27.8	30.5	31.4	31.4
80°	6.3	7.2	7.2	9.9	11.7	15.2	17.9	18.8	20.6	21.5	23.3
82.5°	2.7	3.6	4.5	7.2	8.1	8.1	10.8	11.7	13.4	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: P244533

CATALOG NUMBER: LD8B30D010 ER8B30835 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8	1836.8
2.5°	1820.7	1821.6	1818.0	1817.1	1815.3	1816.2	1818.0
5°	1787.5	1788.4	1784.8	1781.2	1781.2	1780.3	1781.2
7.5°	1756.1	1757.0	1751.6	1749.8	1746.2	1747.1	1747.1
10°	1724.7	1724.7	1716.6	1715.7	1713.0	1712.1	1712.1
12.5°	1694.2	1691.5	1685.2	1681.7	1683.5	1678.1	1678.1
15°	1667.3	1662.8	1654.7	1652.0	1647.6	1645.8	1645.8
17.5°	1639.5	1635.9	1628.7	1623.4	1618.0	1617.1	1618.0
20°	1612.6	1609.0	1600.0	1596.4	1592.0	1592.0	1590.2
22.5°	1585.7	1582.1	1574.0	1571.3	1565.1	1565.1	1566.0
25°	1557.9	1555.2	1546.2	1544.4	1543.5	1539.9	1541.7
27.5°	1520.2	1518.4	1511.2	1508.5	1505.0	1504.1	1505.9
30°	1451.1	1448.4	1443.1	1440.4	1434.1	1435.0	1436.8
32.5°	1365.1	1361.5	1354.3	1351.6	1346.2	1344.4	1345.3
35°	1257.4	1254.7	1248.5	1248.5	1243.1	1241.3	1243.1
37.5°	1148.0	1150.7	1148.0	1150.7	1148.0	1147.1	1148.0
40°	1044.9	1054.7	1056.5	1066.4	1062.8	1068.2	1067.3
42.5°	946.2	962.3	968.6	976.7	974.9	978.5	981.2
45°	846.6	860.1	866.4	871.8	872.7	874.5	875.4
47.5°	752.5	763.2	764.1	770.4	769.5	769.5	772.2
50°	664.6	671.8	673.5	678.0	674.5	672.7	673.5
52.5°	583.0	590.1	588.3	590.1	585.7	583.9	584.8
55°	499.6	503.1	503.1	503.1	497.8	497.8	497.8
57.5°	414.3	415.3	413.5	414.3	413.5	408.1	407.2
60°	336.3	336.3	335.4	336.3	333.6	331.0	331.0
62.5°	262.8	264.6	268.2	264.6	262.8	264.6	261.9
65°	196.4	200.0	199.1	200.9	200.0	200.0	198.2
67.5°	148.0	148.9	149.8	150.7	150.7	150.7	150.7
70°	108.5	111.2	110.3	110.3	110.3	110.3	115.7
72.5°	72.7	76.2	75.3	77.1	77.1	78.9	77.1
75°	49.3	52.9	51.1	53.8	52.9	51.1	55.6
77.5°	33.2	35.0	35.9	36.8	35.9	35.0	35.9
80°	23.3	25.1	24.2	25.1	25.1	25.1	26.0
82.5°	14.4	17.1	16.1	17.1	16.1	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)