

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: P244965

Luminaire Tested: **LD8B30D010 ER8B30835 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244965
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 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3066.0 lumens
Efficiency: N/A
Efficacy: 113.1 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

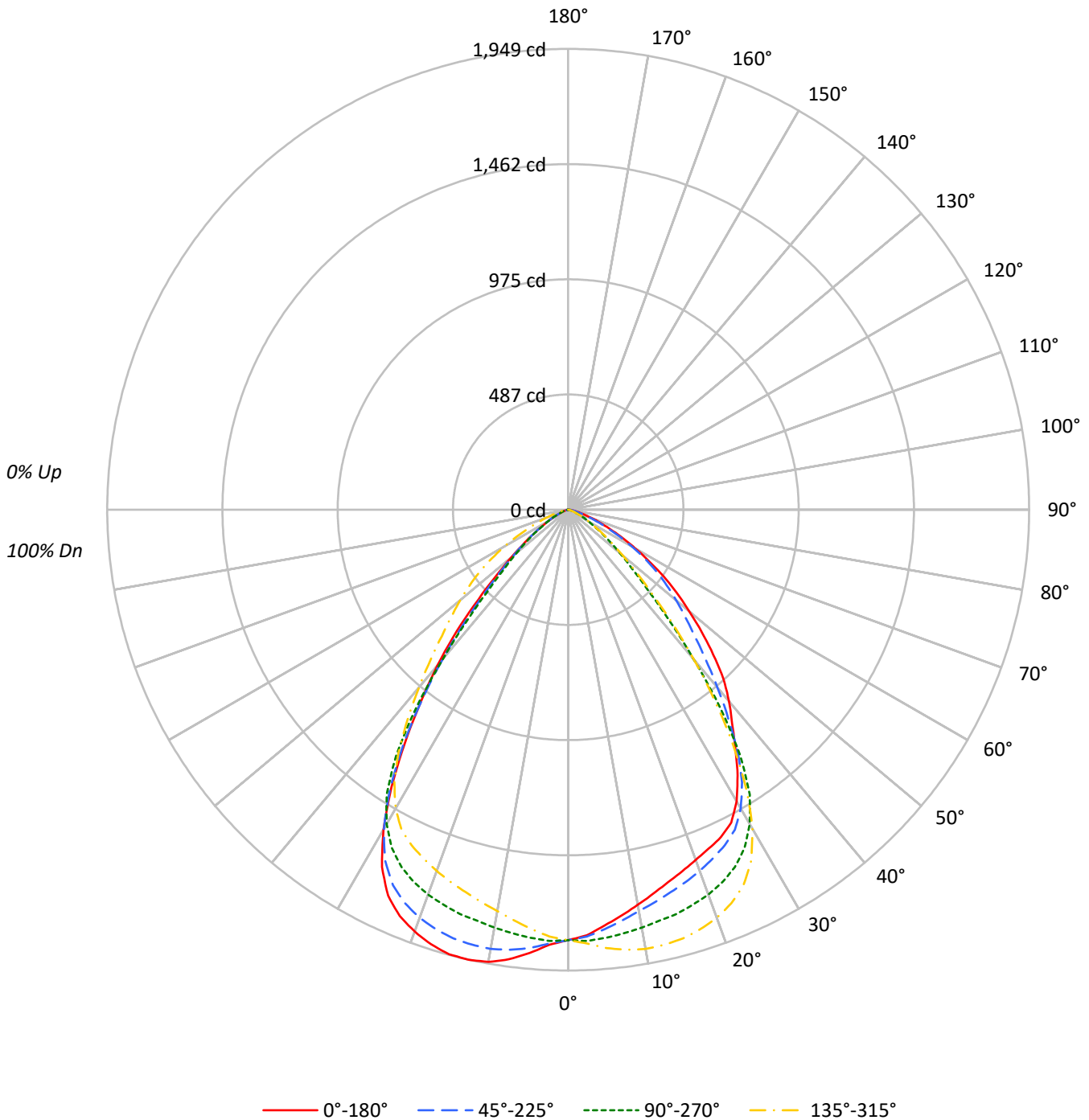
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	56128	56128	56128	56128
5°	54637	56259	58268	56259
10°	53124	56186	60805	56186
15°	52065	56518	62137	56518
20°	51710	56843	62297	56843
25°	51982	56728	61294	56728
30°	50697	54653	55635	54653
35°	46370	47676	45233	47676
40°	42573	33165	34630	33165
45°	37827	20230	23409	20230
50°	32017	13514	15011	13514
55°	26521	9220	9747	9220
60°	20229	6136	6192	6136
65°	14330	3823	3502	3823
70°	10332	2561	2326	2561
75°	6565	1275	1060	1275
80°	4582	941	781	941
85°	4104	0	318	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.2	5.7
10°-20°	501.7	16.4
20°-30°	759.7	24.8
30°-40°	761.4	24.8
40°-50°	478.1	15.6
50°-60°	254.8	8.3
60°-70°	104.8	3.4
70°-80°	27.7	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°	1434.6	46.8
0°-40°	2196.0	71.6
0°-60°	2928.9	95.5
0°-90°	3066.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3066.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1820	1820	1820	1820	1820	
5°	1765	1818	1882	1818	1765	166
15°	1631	1770	1946	1770	1631	461
25°	1528	1667	1802	1667	1528	701
35°	1232	1266	1202	1266	1232	772
45°	867	464	537	464	867	667
55°	493	172	181	172	493	440
65°	196	52	48	52	196	204
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°	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2
2.5°	1801.5	1799.7	1798.9	1800.7	1801.5	1805.1	1804.2	1806.0	1806.0	1806.9	1808.6
5°	1765.1	1764.2	1765.1	1765.1	1768.6	1772.2	1771.3	1774.0	1775.7	1780.2	1782.0
7.5°	1731.3	1731.3	1730.4	1734.0	1735.8	1741.1	1740.2	1744.6	1747.3	1751.7	1758.0
10°	1696.6	1696.6	1697.5	1700.2	1701.1	1709.1	1709.1	1715.3	1718.9	1723.3	1731.3
12.5°	1662.9	1662.9	1668.2	1666.4	1670.0	1676.2	1678.9	1685.1	1690.4	1699.3	1707.3
15°	1630.9	1630.9	1632.7	1637.1	1639.8	1647.8	1652.2	1659.3	1665.6	1674.4	1686.0
17.5°	1603.3	1602.4	1603.3	1608.7	1614.0	1621.1	1624.7	1633.5	1639.8	1651.3	1662.0
20°	1575.8	1577.6	1577.6	1582.0	1585.5	1594.4	1598.0	1607.8	1614.9	1625.5	1638.0
22.5°	1551.8	1550.9	1550.9	1557.1	1559.8	1567.8	1571.3	1580.2	1588.2	1597.1	1608.7
25°	1527.8	1526.0	1529.6	1530.5	1532.2	1541.1	1543.8	1550.0	1558.0	1566.0	1577.6
27.5°	1492.2	1490.5	1491.3	1494.9	1497.6	1504.7	1506.5	1512.7	1518.9	1526.0	1535.8
30°	1423.8	1422.0	1421.1	1427.4	1430.0	1435.3	1438.0	1448.7	1450.5	1458.5	1465.6
32.5°	1333.1	1332.3	1334.0	1339.3	1342.0	1349.2	1352.7	1358.9	1363.3	1367.8	1374.9
35°	1231.8	1230.0	1231.8	1237.2	1237.2	1243.4	1246.1	1248.7	1247.8	1248.7	1246.9
37.5°	1137.6	1136.7	1137.6	1140.3	1137.6	1140.3	1137.6	1132.3	1122.5	1111.8	1101.2
40°	1057.6	1058.5	1053.2	1056.8	1046.9	1045.2	1035.4	1022.1	1002.5	981.2	951.0
42.5°	972.3	969.6	966.1	967.9	959.9	953.6	937.6	920.8	895.9	860.3	823.9
45°	867.4	866.6	864.8	863.9	858.5	852.3	839.0	819.4	791.9	755.5	711.9
47.5°	765.2	762.6	762.6	763.4	757.2	756.3	745.7	728.8	704.8	669.2	623.9
50°	667.4	666.6	668.4	671.9	667.4	665.7	658.6	647.0	625.7	595.5	552.8
52.5°	579.5	578.6	580.4	584.8	583.0	584.8	577.7	568.8	554.6	525.2	487.9
55°	493.3	493.3	493.3	498.6	498.6	498.6	495.0	489.7	476.4	455.0	420.4
57.5°	403.5	404.4	409.7	410.6	409.7	411.5	410.6	405.3	396.4	381.3	354.6
60°	328.0	328.0	330.6	333.3	332.4	333.3	333.3	330.6	321.7	309.3	288.0
62.5°	259.5	262.2	260.4	262.2	265.7	262.2	260.4	258.6	252.4	244.4	226.6
65°	196.4	198.2	198.2	199.1	197.3	198.2	194.7	192.0	188.4	179.5	168.0
67.5°	149.3	149.3	149.3	149.3	148.4	147.5	146.7	144.0	137.8	134.2	121.7
70°	114.6	109.3	109.3	109.3	109.3	110.2	107.6	104.0	102.2	96.0	87.1
72.5°	76.4	78.2	76.4	76.4	74.7	75.5	72.0	70.2	68.4	64.9	59.6
75°	55.1	50.7	52.4	53.3	50.7	52.4	48.9	45.3	45.3	42.7	40.0
77.5°	35.6	34.7	35.6	36.4	35.6	34.7	32.9	31.1	31.1	30.2	27.5
80°	25.8	24.9	24.9	24.9	24.0	24.9	23.1	23.1	21.3	20.4	18.7
82.5°	16.9	16.9	16.0	16.9	16.0	16.9	14.2	14.2	14.2	13.3	11.6
85°	11.6	9.8	9.8	10.7	8.9	10.7	9.8	8.9	8.0	8.0	7.1
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°	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2
2.5°	1811.3	1812.2	1812.2	1815.8	1817.5	1818.4	1818.4	1825.5	1822.9	1824.7	1826.4
5°	1785.5	1790.8	1792.6	1792.6	1802.4	1806.0	1809.5	1817.5	1818.4	1823.7	1830.0
7.5°	1760.6	1766.9	1770.4	1778.4	1784.6	1790.8	1801.5	1806.9	1812.2	1819.3	1827.3
10°	1736.6	1743.8	1750.9	1757.1	1766.9	1774.9	1782.0	1794.4	1800.7	1810.4	1821.1
12.5°	1713.5	1723.3	1729.5	1740.2	1750.9	1758.0	1768.6	1780.2	1790.0	1799.7	1812.2
15°	1693.1	1704.7	1711.8	1723.3	1734.9	1744.6	1756.2	1770.4	1777.5	1789.1	1800.7
17.5°	1670.9	1683.3	1692.2	1702.9	1717.1	1727.7	1737.5	1751.7	1760.6	1773.1	1786.4
20°	1647.8	1660.2	1670.9	1681.5	1695.8	1706.4	1718.0	1732.2	1742.0	1754.4	1765.1
22.5°	1620.2	1631.8	1643.3	1655.7	1670.0	1678.9	1692.2	1704.7	1715.3	1726.9	1737.5
25°	1584.7	1598.9	1607.8	1619.3	1630.9	1640.6	1654.9	1667.3	1676.2	1686.9	1696.6
27.5°	1542.9	1553.6	1560.7	1570.4	1582.0	1590.9	1601.5	1614.0	1622.9	1632.7	1639.8
30°	1471.8	1481.6	1487.8	1494.9	1506.5	1514.5	1523.4	1534.9	1541.1	1548.2	1554.5
32.5°	1378.5	1386.5	1390.0	1395.4	1403.4	1411.3	1418.5	1428.2	1430.9	1435.3	1435.3
35°	1243.4	1245.2	1244.3	1246.1	1249.6	1254.0	1260.3	1266.5	1270.0	1270.0	1267.4
37.5°	1085.2	1074.5	1063.0	1054.1	1051.4	1049.6	1053.2	1055.8	1059.4	1061.2	1056.8
40°	920.8	896.8	871.0	847.9	831.9	824.8	822.1	823.9	823.9	830.1	830.1
42.5°	779.5	742.1	703.9	669.2	646.1	628.4	620.4	620.4	621.2	625.7	628.4
45°	662.1	615.0	570.6	532.4	500.4	477.3	466.6	463.9	463.1	464.8	471.0
47.5°	572.4	523.5	477.3	430.2	396.4	373.3	363.5	359.9	356.4	359.9	360.8
50°	502.2	451.5	402.6	355.5	319.9	299.5	287.1	281.7	280.8	280.8	282.6
52.5°	438.1	391.1	342.2	294.2	256.8	237.3	225.7	223.1	219.5	223.1	223.1
55°	377.7	330.6	282.6	237.3	206.2	185.8	175.1	171.5	169.7	172.4	172.4
57.5°	312.0	272.0	227.5	186.6	155.5	141.3	133.3	128.9	128.0	129.8	128.0
60°	256.0	222.2	184.0	146.7	122.7	107.6	101.3	99.5	97.7	99.5	99.5
62.5°	202.6	174.2	143.1	114.6	94.2	83.6	76.4	76.4	75.5	75.5	76.4
65°	150.2	128.0	105.8	81.8	65.8	57.8	52.4	52.4	51.5	52.4	51.5
67.5°	109.3	94.2	76.4	59.6	47.1	42.7	39.1	36.4	38.2	36.4	35.6
70°	80.0	67.5	55.1	45.3	36.4	32.0	29.3	28.4	26.7	26.7	26.7
72.5°	53.3	45.3	37.3	29.3	24.0	19.5	18.7	16.9	15.1	16.0	17.8
75°	35.6	30.2	26.7	21.3	16.0	16.0	10.7	10.7	8.9	10.7	8.0
77.5°	24.9	20.4	16.0	13.3	10.7	9.8	7.1	7.1	6.2	6.2	6.2
80°	17.8	15.1	11.6	9.8	7.1	7.1	6.2	5.3	4.4	4.4	5.3
82.5°	10.7	8.0	8.0	7.1	4.4	3.5	2.7	3.5	1.8	1.8	1.8
85°	6.2	5.3	4.4	2.7	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°	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2
2.5°	1830.9	1830.0	1831.7	1831.7	1837.1	1836.2	1838.8	1838.8	1837.1	1838.0	1841.5
5°	1837.1	1839.8	1845.1	1849.5	1857.5	1861.1	1865.5	1870.0	1870.9	1873.5	1876.2
7.5°	1837.1	1846.0	1852.2	1860.2	1870.9	1877.1	1886.8	1894.9	1898.4	1902.8	1908.2
10°	1833.5	1842.4	1854.0	1862.8	1876.2	1886.0	1895.7	1908.2	1913.5	1920.6	1927.7
12.5°	1826.4	1836.2	1848.6	1860.2	1875.3	1884.2	1896.6	1908.2	1916.2	1925.9	1934.0
15°	1815.8	1827.3	1838.8	1850.4	1866.4	1877.1	1888.6	1901.9	1910.0	1920.6	1927.7
17.5°	1798.9	1811.3	1822.0	1832.6	1847.7	1860.2	1870.9	1883.3	1891.3	1900.2	1910.0
20°	1778.4	1790.0	1801.5	1810.4	1825.5	1836.2	1847.7	1859.3	1865.5	1867.3	1882.4
22.5°	1752.7	1760.6	1769.5	1783.8	1792.6	1802.4	1813.1	1823.7	1830.0	1839.8	1845.1
25°	1710.0	1718.0	1727.7	1734.0	1744.6	1752.7	1763.3	1774.9	1778.4	1785.5	1790.8
27.5°	1650.4	1654.9	1659.3	1664.6	1670.9	1675.3	1681.5	1686.9	1690.4	1694.0	1697.5
30°	1556.2	1556.2	1556.2	1552.7	1555.3	1558.0	1558.9	1558.0	1558.0	1557.1	1557.1
32.5°	1431.8	1424.7	1416.7	1409.6	1406.9	1403.4	1401.6	1398.9	1394.5	1391.8	1392.7
35°	1263.8	1247.8	1238.1	1229.2	1222.1	1216.7	1214.1	1211.4	1210.5	1207.0	1203.4
37.5°	1054.1	1042.5	1035.4	1030.1	1023.9	1018.5	1019.4	1020.3	1022.9	1021.2	1022.1
40°	831.9	829.2	831.9	825.7	823.9	825.7	830.1	836.3	839.9	843.4	849.7
42.5°	632.8	637.2	643.5	643.5	646.1	649.7	655.0	664.8	670.1	676.3	683.5
45°	476.4	481.7	489.7	492.4	494.2	498.6	504.8	512.8	516.4	521.7	527.9
47.5°	367.1	370.6	375.0	379.5	383.9	385.7	391.9	391.9	396.4	400.0	401.7
50°	286.2	289.7	293.3	296.0	297.7	300.4	302.2	304.8	305.7	307.5	308.4
52.5°	224.0	228.4	228.4	230.2	232.8	235.5	234.6	235.5	236.4	236.4	239.1
55°	175.1	175.1	177.8	177.8	179.5	178.6	179.5	179.5	179.5	179.5	180.4
57.5°	130.6	131.5	134.2	132.4	131.5	133.3	131.5	133.3	132.4	134.2	131.5
60°	100.4	100.4	101.3	101.3	102.2	102.2	102.2	101.3	101.3	100.4	100.4
62.5°	75.5	76.4	77.3	76.4	76.4	76.4	75.5	75.5	74.7	73.7	73.7
65°	50.7	49.8	51.5	49.8	50.7	50.7	49.8	50.7	48.0	48.9	48.0
67.5°	36.4	35.6	34.7	35.6	34.7	33.8	33.8	34.7	35.6	32.9	32.9
70°	24.0	24.9	24.0	24.9	25.8	25.8	24.9	24.0	24.9	23.1	24.0
72.5°	15.1	15.1	15.1	15.1	15.1	16.0	16.0	16.0	14.2	14.2	13.3
75°	7.1	9.8	8.0	7.1	9.8	9.8	8.9	8.9	8.0	8.0	8.0
77.5°	7.1	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	2.7	3.5	3.5	4.4	3.5	3.5	2.7	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: P244965

CATALOG NUMBER: LD8B30D010 ER8B30835 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2
2.5°	1840.6	1839.8	1840.6	1841.5	1840.6	1839.8	1840.6	1841.5	1838.0	1837.1	1838.8
5°	1879.7	1879.7	1881.5	1882.4	1881.5	1879.7	1879.7	1876.2	1873.5	1870.9	1870.0
7.5°	1913.5	1915.3	1917.1	1917.9	1917.1	1915.3	1913.5	1908.2	1902.8	1898.4	1894.9
10°	1934.0	1936.6	1940.2	1941.9	1940.2	1936.6	1934.0	1927.7	1920.6	1913.5	1908.2
12.5°	1942.8	1945.5	1949.9	1949.1	1949.9	1945.5	1942.8	1934.0	1925.9	1916.2	1908.2
15°	1936.6	1940.2	1944.6	1946.4	1944.6	1940.2	1936.6	1927.7	1920.6	1910.0	1901.9
17.5°	1917.1	1922.4	1925.1	1927.7	1925.1	1922.4	1917.1	1910.0	1900.2	1891.3	1883.3
20°	1890.4	1894.0	1897.5	1898.4	1897.5	1894.0	1890.4	1882.4	1867.3	1865.5	1859.3
22.5°	1852.2	1854.9	1862.8	1860.2	1862.8	1854.9	1852.2	1845.1	1839.8	1830.0	1823.7
25°	1797.1	1799.7	1800.7	1801.5	1800.7	1799.7	1797.1	1790.8	1785.5	1778.4	1774.9
27.5°	1702.0	1702.0	1703.7	1704.7	1703.7	1702.0	1702.0	1697.5	1694.0	1690.4	1686.9
30°	1558.0	1558.0	1558.0	1562.5	1558.0	1558.0	1558.0	1557.1	1557.1	1558.0	1558.0
32.5°	1391.8	1390.0	1388.3	1390.0	1388.3	1390.0	1391.8	1392.7	1391.8	1394.5	1398.9
35°	1203.4	1202.5	1205.2	1201.6	1205.2	1202.5	1203.4	1203.4	1207.0	1210.5	1211.4
37.5°	1022.9	1021.2	1024.7	1021.2	1024.7	1021.2	1022.9	1022.1	1021.2	1022.9	1020.3
40°	851.5	853.2	853.2	860.3	853.2	853.2	851.5	849.7	843.4	839.9	836.3
42.5°	687.0	692.4	690.6	695.9	690.6	692.4	687.0	683.5	676.3	670.1	664.8
45°	531.5	535.1	535.1	536.8	535.1	535.1	531.5	527.9	521.7	516.4	512.8
47.5°	407.9	407.9	407.9	408.8	407.9	407.9	407.9	401.7	400.0	396.4	391.9
50°	310.2	311.1	312.0	312.9	312.0	311.1	310.2	308.4	307.5	305.7	304.8
52.5°	238.2	239.1	237.3	239.1	237.3	239.1	238.2	239.1	236.4	236.4	235.5
55°	180.4	179.5	180.4	181.3	180.4	179.5	180.4	180.4	179.5	179.5	179.5
57.5°	132.4	130.6	130.6	130.6	130.6	130.6	132.4	131.5	134.2	132.4	133.3
60°	98.7	99.5	99.5	100.4	99.5	99.5	98.7	100.4	100.4	101.3	101.3
62.5°	72.9	75.5	73.7	75.5	73.7	75.5	72.9	73.7	73.7	74.7	75.5
65°	47.1	47.1	47.1	48.0	47.1	47.1	47.1	48.0	48.9	48.0	50.7
67.5°	32.0	32.9	34.7	33.8	34.7	32.9	32.0	32.9	32.9	35.6	34.7
70°	25.8	23.1	23.1	25.8	23.1	23.1	25.8	24.0	23.1	24.9	24.0
72.5°	15.1	13.3	15.1	15.1	15.1	13.3	15.1	13.3	14.2	14.2	16.0
75°	8.0	7.1	6.2	8.9	6.2	7.1	8.0	8.0	8.0	8.0	8.9
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°	2.7	3.5	2.7	4.4	2.7	3.5	2.7	4.4	2.7	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: P244965

CATALOG NUMBER: LD8B30D010 ER8B30835 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2
2.5°	1838.8	1836.2	1837.1	1831.7	1831.7	1830.0	1830.9	1826.4	1824.7	1822.9	1825.5
5°	1865.5	1861.1	1857.5	1849.5	1845.1	1839.8	1837.1	1830.0	1823.7	1818.4	1817.5
7.5°	1886.8	1877.1	1870.9	1860.2	1852.2	1846.0	1837.1	1827.3	1819.3	1812.2	1806.9
10°	1895.7	1886.0	1876.2	1862.8	1854.0	1842.4	1833.5	1821.1	1810.4	1800.7	1794.4
12.5°	1896.6	1884.2	1875.3	1860.2	1848.6	1836.2	1826.4	1812.2	1799.7	1790.0	1780.2
15°	1888.6	1877.1	1866.4	1850.4	1838.8	1827.3	1815.8	1800.7	1789.1	1777.5	1770.4
17.5°	1870.9	1860.2	1847.7	1832.6	1822.0	1811.3	1798.9	1786.4	1773.1	1760.6	1751.7
20°	1847.7	1836.2	1825.5	1810.4	1801.5	1790.0	1778.4	1765.1	1754.4	1742.0	1732.2
22.5°	1813.1	1802.4	1792.6	1783.8	1769.5	1760.6	1752.7	1737.5	1726.9	1715.3	1704.7
25°	1763.3	1752.7	1744.6	1734.0	1727.7	1718.0	1710.0	1696.6	1686.9	1676.2	1667.3
27.5°	1681.5	1675.3	1670.9	1664.6	1659.3	1654.9	1650.4	1639.8	1632.7	1622.9	1614.0
30°	1558.9	1558.0	1555.3	1552.7	1556.2	1556.2	1556.2	1554.5	1548.2	1541.1	1534.9
32.5°	1401.6	1403.4	1406.9	1409.6	1416.7	1424.7	1431.8	1435.3	1435.3	1430.9	1428.2
35°	1214.1	1216.7	1222.1	1229.2	1238.1	1247.8	1263.8	1267.4	1270.0	1270.0	1266.5
37.5°	1019.4	1018.5	1023.9	1030.1	1035.4	1042.5	1054.1	1056.8	1061.2	1059.4	1055.8
40°	830.1	825.7	823.9	825.7	831.9	829.2	831.9	830.1	830.1	823.9	823.9
42.5°	655.0	649.7	646.1	643.5	643.5	637.2	632.8	628.4	625.7	621.2	620.4
45°	504.8	498.6	494.2	492.4	489.7	481.7	476.4	471.0	464.8	463.1	463.9
47.5°	391.9	385.7	383.9	379.5	375.0	370.6	367.1	360.8	359.9	356.4	359.9
50°	302.2	300.4	297.7	296.0	293.3	289.7	286.2	282.6	280.8	280.8	281.7
52.5°	234.6	235.5	232.8	230.2	228.4	228.4	224.0	223.1	223.1	219.5	223.1
55°	179.5	178.6	179.5	177.8	177.8	175.1	175.1	172.4	172.4	169.7	171.5
57.5°	131.5	133.3	131.5	132.4	134.2	131.5	130.6	128.0	129.8	128.0	128.9
60°	102.2	102.2	102.2	101.3	101.3	100.4	100.4	99.5	99.5	97.7	99.5
62.5°	75.5	76.4	76.4	76.4	77.3	76.4	75.5	76.4	75.5	75.5	76.4
65°	49.8	50.7	50.7	49.8	51.5	49.8	50.7	51.5	52.4	51.5	52.4
67.5°	33.8	33.8	34.7	35.6	34.7	35.6	36.4	35.6	36.4	38.2	36.4
70°	24.9	25.8	25.8	24.9	24.0	24.9	24.0	26.7	26.7	26.7	28.4
72.5°	16.0	16.0	15.1	15.1	15.1	15.1	15.1	17.8	16.0	15.1	16.9
75°	8.9	9.8	9.8	7.1	8.0	9.8	7.1	8.0	10.7	8.9	10.7
77.5°	5.3	5.3	5.3	5.3	5.3	5.3	7.1	6.2	6.2	6.2	7.1
80°	4.4	3.5	3.5	2.7	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: P244965

CATALOG NUMBER: LD8B30D010 ER8B30835 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2
2.5°	1818.4	1818.4	1817.5	1815.8	1812.2	1812.2	1811.3	1808.6	1806.9	1806.0	1806.0
5°	1809.5	1806.0	1802.4	1792.6	1792.6	1790.8	1785.5	1782.0	1780.2	1775.7	1774.0
7.5°	1801.5	1790.8	1784.6	1778.4	1770.4	1766.9	1760.6	1758.0	1751.7	1747.3	1744.6
10°	1782.0	1774.9	1766.9	1757.1	1750.9	1743.8	1736.6	1731.3	1723.3	1718.9	1715.3
12.5°	1768.6	1758.0	1750.9	1740.2	1729.5	1723.3	1713.5	1707.3	1699.3	1690.4	1685.1
15°	1756.2	1744.6	1734.9	1723.3	1711.8	1704.7	1693.1	1686.0	1674.4	1665.6	1659.3
17.5°	1737.5	1727.7	1717.1	1702.9	1692.2	1683.3	1670.9	1662.0	1651.3	1639.8	1633.5
20°	1718.0	1706.4	1695.8	1681.5	1670.9	1660.2	1647.8	1638.0	1625.5	1614.9	1607.8
22.5°	1692.2	1678.9	1670.0	1655.7	1643.3	1631.8	1620.2	1608.7	1597.1	1588.2	1580.2
25°	1654.9	1640.6	1630.9	1619.3	1607.8	1598.9	1584.7	1577.6	1566.0	1558.0	1550.0
27.5°	1601.5	1590.9	1582.0	1570.4	1560.7	1553.6	1542.9	1535.8	1526.0	1518.9	1512.7
30°	1523.4	1514.5	1506.5	1494.9	1487.8	1481.6	1471.8	1465.6	1458.5	1450.5	1448.7
32.5°	1418.5	1411.3	1403.4	1395.4	1390.0	1386.5	1378.5	1374.9	1367.8	1363.3	1358.9
35°	1260.3	1254.0	1249.6	1246.1	1244.3	1245.2	1243.4	1246.9	1248.7	1247.8	1248.7
37.5°	1053.2	1049.6	1051.4	1054.1	1063.0	1074.5	1085.2	1101.2	1111.8	1122.5	1132.3
40°	822.1	824.8	831.9	847.9	871.0	896.8	920.8	951.0	981.2	1002.5	1022.1
42.5°	620.4	628.4	646.1	669.2	703.9	742.1	779.5	823.9	860.3	895.9	920.8
45°	466.6	477.3	500.4	532.4	570.6	615.0	662.1	711.9	755.5	791.9	819.4
47.5°	363.5	373.3	396.4	430.2	477.3	523.5	572.4	623.9	669.2	704.8	728.8
50°	287.1	299.5	319.9	355.5	402.6	451.5	502.2	552.8	595.5	625.7	647.0
52.5°	225.7	237.3	256.8	294.2	342.2	391.1	438.1	487.9	525.2	554.6	568.8
55°	175.1	185.8	206.2	237.3	282.6	330.6	377.7	420.4	455.0	476.4	489.7
57.5°	133.3	141.3	155.5	186.6	227.5	272.0	312.0	354.6	381.3	396.4	405.3
60°	101.3	107.6	122.7	146.7	184.0	222.2	256.0	288.0	309.3	321.7	330.6
62.5°	76.4	83.6	94.2	114.6	143.1	174.2	202.6	226.6	244.4	252.4	258.6
65°	52.4	57.8	65.8	81.8	105.8	128.0	150.2	168.0	179.5	188.4	192.0
67.5°	39.1	42.7	47.1	59.6	76.4	94.2	109.3	121.7	134.2	137.8	144.0
70°	29.3	32.0	36.4	45.3	55.1	67.5	80.0	87.1	96.0	102.2	104.0
72.5°	18.7	19.5	24.0	29.3	37.3	45.3	53.3	59.6	64.9	68.4	70.2
75°	10.7	16.0	16.0	21.3	26.7	30.2	35.6	40.0	42.7	45.3	45.3
77.5°	7.1	9.8	10.7	13.3	16.0	20.4	24.9	27.5	30.2	31.1	31.1
80°	6.2	7.1	7.1	9.8	11.6	15.1	17.8	18.7	20.4	21.3	23.1
82.5°	2.7	3.5	4.4	7.1	8.0	8.0	10.7	11.6	13.3	14.2	14.2
85°	0.9	1.8	1.8	2.7	4.4	5.3	6.2	7.1	8.0	8.0	8.9
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: P244965

CATALOG NUMBER: LD8B30D010 ER8B30835 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2	1820.2
2.5°	1804.2	1805.1	1801.5	1800.7	1798.9	1799.7	1801.5
5°	1771.3	1772.2	1768.6	1765.1	1765.1	1764.2	1765.1
7.5°	1740.2	1741.1	1735.8	1734.0	1730.4	1731.3	1731.3
10°	1709.1	1709.1	1701.1	1700.2	1697.5	1696.6	1696.6
12.5°	1678.9	1676.2	1670.0	1666.4	1668.2	1662.9	1662.9
15°	1652.2	1647.8	1639.8	1637.1	1632.7	1630.9	1630.9
17.5°	1624.7	1621.1	1614.0	1608.7	1603.3	1602.4	1603.3
20°	1598.0	1594.4	1585.5	1582.0	1577.6	1577.6	1575.8
22.5°	1571.3	1567.8	1559.8	1557.1	1550.9	1550.9	1551.8
25°	1543.8	1541.1	1532.2	1530.5	1529.6	1526.0	1527.8
27.5°	1506.5	1504.7	1497.6	1494.9	1491.3	1490.5	1492.2
30°	1438.0	1435.3	1430.0	1427.4	1421.1	1422.0	1423.8
32.5°	1352.7	1349.2	1342.0	1339.3	1334.0	1332.3	1333.1
35°	1246.1	1243.4	1237.2	1237.2	1231.8	1230.0	1231.8
37.5°	1137.6	1140.3	1137.6	1140.3	1137.6	1136.7	1137.6
40°	1035.4	1045.2	1046.9	1056.8	1053.2	1058.5	1057.6
42.5°	937.6	953.6	959.9	967.9	966.1	969.6	972.3
45°	839.0	852.3	858.5	863.9	864.8	866.6	867.4
47.5°	745.7	756.3	757.2	763.4	762.6	762.6	765.2
50°	658.6	665.7	667.4	671.9	668.4	666.6	667.4
52.5°	577.7	584.8	583.0	584.8	580.4	578.6	579.5
55°	495.0	498.6	498.6	498.6	493.3	493.3	493.3
57.5°	410.6	411.5	409.7	410.6	409.7	404.4	403.5
60°	333.3	333.3	332.4	333.3	330.6	328.0	328.0
62.5°	260.4	262.2	265.7	262.2	260.4	262.2	259.5
65°	194.7	198.2	197.3	199.1	198.2	198.2	196.4
67.5°	146.7	147.5	148.4	149.3	149.3	149.3	149.3
70°	107.6	110.2	109.3	109.3	109.3	109.3	114.6
72.5°	72.0	75.5	74.7	76.4	76.4	78.2	76.4
75°	48.9	52.4	50.7	53.3	52.4	50.7	55.1
77.5°	32.9	34.7	35.6	36.4	35.6	34.7	35.6
80°	23.1	24.9	24.0	24.9	24.9	24.9	25.8
82.5°	14.2	16.9	16.0	16.9	16.0	16.9	16.9
85°	9.8	10.7	8.9	10.7	9.8	9.8	11.6
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)