

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: P245938

Luminaire Tested: **LD8B40D010 ER8B40940 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245938
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 ER8B40940 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 4000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2995.0 lumens
Efficiency: N/A
Efficacy: 73.2 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

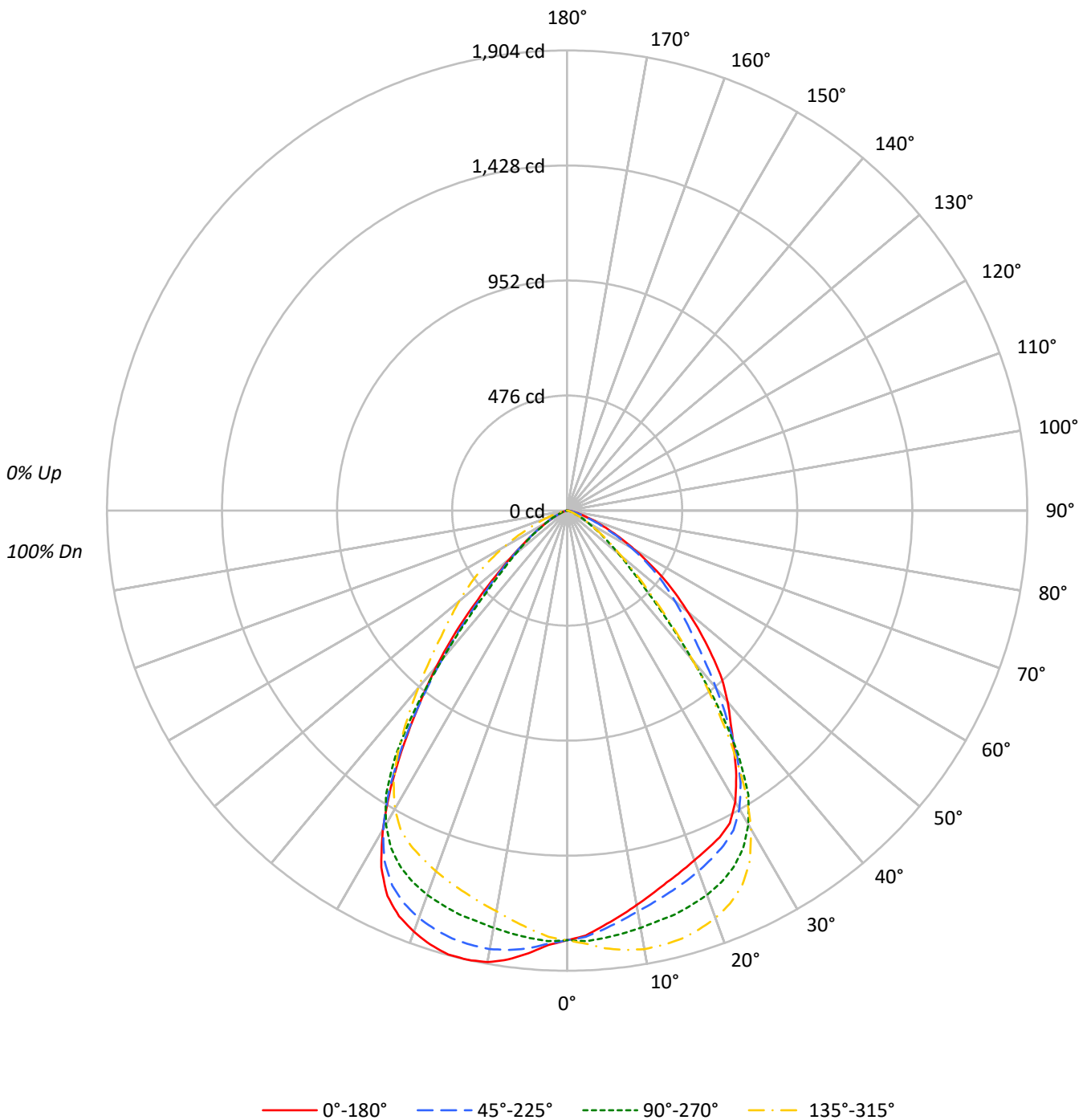
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	54827	54827	54827	54827
5°	53371	54956	56918	54956
10°	51897	54884	59399	54884
15°	50858	55210	60697	55210
20°	50513	55527	60853	55527
25°	50778	55415	59876	55415
30°	49522	53385	54347	53385
35°	45297	46570	44187	46570
40°	41586	32396	33829	32396
45°	36954	19764	22869	19764
50°	31278	13202	14660	13202
55°	25908	9010	9521	9010
60°	19760	5995	6050	5995
65°	14002	3736	3422	3736
70°	10098	2506	2272	2506
75°	6410	1239	1037	1239
80°	4475	923	764	923
85°	3998	0	318	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.2	5.7
10°-20°	490.1	16.4
20°-30°	742.1	24.8
30°-40°	743.7	24.8
40°-50°	467.0	15.6
50°-60°	248.9	8.3
60°-70°	102.3	3.4
70°-80°	27.0	0.9
80°-90°	4.6	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°	1401.4	46.8
0°-40°	2145.1	71.6
0°-60°	2861.0	95.5
0°-90°	2995.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2995.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1778	1778	1778	1778	1778	
5°	1724	1775	1839	1775	1724	163
15°	1593	1729	1901	1729	1593	451
25°	1492	1629	1760	1629	1492	684
35°	1203	1237	1174	1237	1203	754
45°	847	453	524	453	847	652
55°	482	168	177	168	482	430
65°	192	51	47	51	192	199
75°	54	10	9	10	54	61
85°	11	0	1	0	11	12
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°	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0
2.5°	1759.8	1758.1	1757.2	1759.0	1759.8	1763.3	1762.4	1764.1	1764.1	1765.0	1766.7
5°	1724.2	1723.3	1724.2	1724.2	1727.7	1731.2	1730.3	1732.9	1734.6	1739.0	1740.7
7.5°	1691.2	1691.2	1690.3	1693.8	1695.6	1700.8	1699.9	1704.2	1706.9	1711.2	1717.3
10°	1657.4	1657.4	1658.2	1660.8	1661.7	1669.5	1669.5	1675.6	1679.1	1683.4	1691.2
12.5°	1624.4	1624.4	1629.6	1627.8	1631.3	1637.4	1640.0	1646.1	1651.3	1660.0	1667.8
15°	1593.1	1593.1	1594.9	1599.2	1601.8	1609.6	1613.9	1620.9	1627.0	1635.7	1647.0
17.5°	1566.2	1565.3	1566.2	1571.4	1576.6	1583.6	1587.0	1595.7	1601.8	1613.1	1623.5
20°	1539.3	1541.0	1541.0	1545.4	1548.8	1557.5	1561.0	1570.6	1577.5	1587.9	1600.1
22.5°	1515.8	1515.0	1515.0	1521.1	1523.7	1531.5	1534.9	1543.6	1551.4	1560.1	1571.4
25°	1492.4	1490.7	1494.2	1495.0	1496.7	1505.4	1508.0	1514.1	1521.9	1529.7	1541.0
27.5°	1457.7	1456.0	1456.8	1460.3	1462.9	1469.8	1471.6	1477.6	1483.7	1490.7	1500.2
30°	1390.8	1389.1	1388.2	1394.3	1396.9	1402.1	1404.7	1415.1	1416.9	1424.7	1431.6
32.5°	1302.3	1301.4	1303.2	1308.3	1310.9	1317.9	1321.4	1327.5	1331.8	1336.1	1343.1
35°	1203.3	1201.6	1203.3	1208.5	1208.5	1214.6	1217.2	1219.8	1218.9	1219.8	1218.1
37.5°	1111.3	1110.4	1111.3	1113.9	1111.3	1113.9	1111.3	1106.1	1096.5	1086.1	1075.7
40°	1033.1	1034.0	1028.8	1032.3	1022.7	1021.0	1011.4	998.4	979.3	958.5	929.0
42.5°	949.8	947.2	943.7	945.4	937.7	931.5	915.9	899.5	875.1	840.4	804.8
45°	847.4	846.5	844.7	843.9	838.7	832.6	819.5	800.5	773.6	738.0	695.4
47.5°	747.5	744.9	744.9	745.8	739.7	738.8	728.4	711.9	688.5	653.7	609.5
50°	652.0	651.1	652.9	656.3	652.0	650.3	643.3	632.0	611.2	581.7	540.0
52.5°	566.0	565.2	566.9	571.3	569.5	571.3	564.3	555.6	541.7	513.1	476.6
55°	481.9	481.9	481.9	487.0	487.0	487.0	483.6	478.4	465.3	444.5	410.7
57.5°	394.2	395.0	400.2	401.1	400.2	402.0	401.1	395.9	387.2	372.5	346.4
60°	320.4	320.4	323.0	325.6	324.7	325.6	325.6	323.0	314.3	302.1	281.3
62.5°	253.5	256.1	254.4	256.1	259.6	256.1	254.4	252.6	246.6	238.7	221.4
65°	191.9	193.6	193.6	194.5	192.7	193.6	190.1	187.5	184.1	175.4	164.1
67.5°	145.9	145.9	145.9	145.9	145.0	144.1	143.3	140.7	134.6	131.1	118.9
70°	112.0	106.8	106.8	106.8	106.8	107.7	105.1	101.6	99.8	93.8	85.1
72.5°	74.7	76.4	74.7	74.7	72.9	73.8	70.3	68.6	66.9	63.4	58.2
75°	53.8	49.5	51.2	52.1	49.5	51.2	47.7	44.3	44.3	41.7	39.1
77.5°	34.7	33.9	34.7	35.6	34.7	33.9	32.1	30.4	30.4	29.5	26.9
80°	25.2	24.3	24.3	24.3	23.4	24.3	22.6	22.6	20.8	20.0	18.2
82.5°	16.5	16.5	15.6	16.5	15.6	16.5	13.9	13.9	13.9	13.0	11.3
85°	11.3	9.5	9.5	10.4	8.7	10.4	9.5	8.7	7.8	7.8	6.9
87.5°	5.2	6.1	5.2	6.1	5.2	5.2	6.1	5.2	5.2	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°	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0
2.5°	1769.4	1770.2	1770.2	1773.7	1775.4	1776.3	1776.3	1783.3	1780.6	1782.4	1784.1
5°	1744.2	1749.4	1751.1	1751.1	1760.7	1764.1	1767.6	1775.4	1776.3	1781.5	1787.6
7.5°	1719.9	1725.9	1729.4	1737.2	1743.3	1749.4	1759.8	1765.0	1770.2	1777.2	1785.0
10°	1696.4	1703.4	1710.3	1716.4	1725.9	1733.8	1740.7	1752.8	1759.0	1768.5	1778.9
12.5°	1673.9	1683.4	1689.5	1699.9	1710.3	1717.3	1727.7	1739.0	1748.5	1758.1	1770.2
15°	1653.9	1665.2	1672.1	1683.4	1694.7	1704.2	1715.5	1729.4	1736.4	1747.7	1759.0
17.5°	1632.2	1644.4	1653.0	1663.4	1677.3	1687.7	1697.3	1711.2	1719.9	1732.0	1745.1
20°	1609.6	1621.8	1632.2	1642.6	1656.5	1666.9	1678.2	1692.1	1701.6	1713.8	1724.2
22.5°	1582.7	1594.0	1605.3	1617.4	1631.3	1640.0	1653.0	1665.2	1675.6	1686.9	1697.3
25°	1548.0	1561.9	1570.6	1581.8	1593.1	1602.6	1616.5	1628.7	1637.4	1647.8	1657.4
27.5°	1507.2	1517.6	1524.5	1534.1	1545.4	1554.0	1564.4	1576.6	1585.3	1594.9	1601.8
30°	1437.7	1447.3	1453.3	1460.3	1471.6	1479.4	1488.1	1499.3	1505.4	1512.4	1518.5
32.5°	1346.5	1354.4	1357.8	1363.0	1370.9	1378.7	1385.6	1395.2	1397.8	1402.1	1402.1
35°	1214.6	1216.3	1215.5	1217.2	1220.7	1225.0	1231.1	1237.1	1240.6	1240.6	1238.0
37.5°	1060.0	1049.6	1038.4	1029.7	1027.1	1025.3	1028.8	1031.4	1034.9	1036.6	1032.3
40°	899.5	876.0	850.8	828.2	812.6	805.7	803.1	804.8	804.8	810.9	810.9
42.5°	761.4	724.9	687.6	653.7	631.2	613.8	606.0	606.0	606.9	611.2	613.8
45°	646.8	600.8	557.4	520.1	488.8	466.2	455.8	453.2	452.3	454.1	460.1
47.5°	559.1	511.4	466.2	420.2	387.2	364.6	355.1	351.6	348.1	351.6	352.5
50°	490.5	441.0	393.3	347.3	312.5	292.6	280.4	275.2	274.3	274.3	276.1
52.5°	428.0	382.0	334.3	287.4	250.9	231.8	220.5	217.9	214.4	217.9	217.9
55°	369.0	323.0	276.1	231.8	201.4	181.5	171.0	167.6	165.8	168.4	168.4
57.5°	304.7	265.7	222.3	182.3	151.9	138.0	130.2	125.9	125.0	126.8	125.0
60°	250.0	217.1	179.7	143.3	119.8	105.1	99.0	97.2	95.5	97.2	97.2
62.5°	197.9	170.2	139.8	112.0	92.0	81.6	74.7	74.7	73.8	73.8	74.7
65°	146.7	125.0	103.3	79.9	64.3	56.4	51.2	51.2	50.4	51.2	50.4
67.5°	106.8	92.0	74.7	58.2	46.0	41.7	38.2	35.6	37.3	35.6	34.7
70°	78.2	66.0	53.8	44.3	35.6	31.3	28.7	27.8	26.1	26.1	26.1
72.5°	52.1	44.3	36.4	28.7	23.4	19.1	18.2	16.5	14.8	15.6	17.4
75°	34.7	29.5	26.1	20.8	15.6	15.6	10.4	10.4	8.7	10.4	7.8
77.5°	24.3	20.0	15.6	13.0	10.4	9.5	6.9	6.9	6.1	6.1	6.1
80°	17.4	14.8	11.3	9.5	6.9	6.9	6.1	5.2	4.3	4.3	5.2
82.5°	10.4	7.8	7.8	6.9	4.3	3.5	2.6	3.5	1.8	1.8	1.8
85°	6.1	5.2	4.3	2.6	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°	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0
2.5°	1788.5	1787.6	1789.3	1789.3	1794.5	1793.7	1796.3	1796.3	1794.5	1795.4	1798.9
5°	1794.5	1797.2	1802.3	1806.7	1814.5	1818.0	1822.3	1826.7	1827.5	1830.1	1832.7
7.5°	1794.5	1803.2	1809.3	1817.1	1827.5	1833.6	1843.1	1851.0	1854.4	1858.8	1864.0
10°	1791.0	1799.7	1811.0	1819.7	1832.7	1842.3	1851.8	1864.0	1869.2	1876.1	1883.1
12.5°	1784.1	1793.7	1805.8	1817.1	1831.9	1840.5	1852.7	1864.0	1871.8	1881.3	1889.2
15°	1773.7	1785.0	1796.3	1807.6	1823.2	1833.6	1844.9	1857.9	1865.7	1876.1	1883.1
17.5°	1757.2	1769.4	1779.8	1790.2	1804.9	1817.1	1827.5	1839.7	1847.5	1856.2	1865.7
20°	1737.2	1748.5	1759.8	1768.5	1783.3	1793.7	1804.9	1816.2	1822.3	1824.1	1838.8
22.5°	1712.1	1719.9	1728.5	1742.4	1751.1	1760.7	1771.1	1781.5	1787.6	1797.2	1802.3
25°	1670.4	1678.2	1687.7	1693.8	1704.2	1712.1	1722.5	1733.8	1737.2	1744.2	1749.4
27.5°	1612.2	1616.5	1620.9	1626.1	1632.2	1636.5	1642.6	1647.8	1651.3	1654.8	1658.2
30°	1520.2	1520.2	1520.2	1516.7	1519.3	1521.9	1522.8	1521.9	1521.9	1521.1	1521.1
32.5°	1398.6	1391.7	1383.9	1376.9	1374.3	1370.9	1369.1	1366.5	1362.2	1359.6	1360.4
35°	1234.5	1218.9	1209.4	1200.7	1193.8	1188.6	1185.9	1183.3	1182.5	1179.0	1175.5
37.5°	1029.7	1018.4	1011.4	1006.2	1000.2	994.9	995.8	996.7	999.3	997.5	998.4
40°	812.6	810.0	812.6	806.5	804.8	806.5	810.9	817.0	820.4	823.9	830.0
42.5°	618.1	622.5	628.6	628.6	631.2	634.7	639.8	649.4	654.6	660.7	667.6
45°	465.3	470.6	478.4	481.0	482.7	487.0	493.1	500.9	504.4	509.6	515.7
47.5°	358.6	362.0	366.4	370.7	375.0	376.8	382.9	382.9	387.2	390.7	392.4
50°	279.6	283.0	286.5	289.1	290.8	293.5	295.2	297.8	298.6	300.4	301.2
52.5°	218.8	223.1	223.1	224.8	227.5	230.1	229.2	230.1	230.9	230.9	233.5
55°	171.0	171.0	173.6	173.6	175.4	174.5	175.4	175.4	175.4	175.4	176.2
57.5°	127.6	128.5	131.1	129.4	128.5	130.2	128.5	130.2	129.4	131.1	128.5
60°	98.1	98.1	99.0	99.0	99.8	99.8	99.8	99.0	99.0	98.1	98.1
62.5°	73.8	74.7	75.5	74.7	74.7	74.7	73.8	73.8	72.9	72.0	72.0
65°	49.5	48.6	50.4	48.6	49.5	49.5	48.6	49.5	46.9	47.7	46.9
67.5°	35.6	34.7	33.9	34.7	33.9	33.0	33.0	33.9	34.7	32.1	32.1
70°	23.4	24.3	23.4	24.3	25.2	25.2	24.3	23.4	24.3	22.6	23.4
72.5°	14.8	14.8	14.8	14.8	14.8	15.6	15.6	15.6	13.9	13.9	13.0
75°	6.9	9.5	7.8	6.9	9.5	9.5	8.7	8.7	7.8	7.8	7.8
77.5°	6.9	5.2	5.2	5.2	5.2	5.2	5.2	5.2	4.3	5.2	4.3
80°	3.5	3.5	3.5	2.6	3.5	3.5	4.3	3.5	3.5	2.6	4.3
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: P245938

CATALOG NUMBER: LD8B40D010 ER8B40940 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0
2.5°	1798.0	1797.2	1798.0	1798.9	1798.0	1797.2	1798.0	1798.9	1795.4	1794.5	1796.3
5°	1836.2	1836.2	1837.9	1838.8	1837.9	1836.2	1836.2	1832.7	1830.1	1827.5	1826.7
7.5°	1869.2	1870.9	1872.7	1873.5	1872.7	1870.9	1869.2	1864.0	1858.8	1854.4	1851.0
10°	1889.2	1891.8	1895.2	1897.0	1895.2	1891.8	1889.2	1883.1	1876.1	1869.2	1864.0
12.5°	1897.9	1900.5	1904.8	1903.9	1904.8	1900.5	1897.9	1889.2	1881.3	1871.8	1864.0
15°	1891.8	1895.2	1899.6	1901.3	1899.6	1895.2	1891.8	1883.1	1876.1	1865.7	1857.9
17.5°	1872.7	1877.9	1880.5	1883.1	1880.5	1877.9	1872.7	1865.7	1856.2	1847.5	1839.7
20°	1846.6	1850.1	1853.6	1854.4	1853.6	1850.1	1846.6	1838.8	1824.1	1822.3	1816.2
22.5°	1809.3	1811.9	1819.7	1817.1	1819.7	1811.9	1809.3	1802.3	1797.2	1787.6	1781.5
25°	1755.5	1758.1	1759.0	1759.8	1759.0	1758.1	1755.5	1749.4	1744.2	1737.2	1733.8
27.5°	1662.6	1662.6	1664.3	1665.2	1664.3	1662.6	1662.6	1658.2	1654.8	1651.3	1647.8
30°	1521.9	1521.9	1521.9	1526.3	1521.9	1521.9	1521.9	1521.1	1521.1	1521.9	1521.9
32.5°	1359.6	1357.8	1356.1	1357.8	1356.1	1357.8	1359.6	1360.4	1359.6	1362.2	1366.5
35°	1175.5	1174.6	1177.3	1173.8	1177.3	1174.6	1175.5	1175.5	1179.0	1182.5	1183.3
37.5°	999.3	997.5	1001.0	997.5	1001.0	997.5	999.3	998.4	997.5	999.3	996.7
40°	831.7	833.5	833.5	840.4	833.5	833.5	831.7	830.0	823.9	820.4	817.0
42.5°	671.1	676.3	674.6	679.8	674.6	676.3	671.1	667.6	660.7	654.6	649.4
45°	519.2	522.7	522.7	524.4	522.7	522.7	519.2	515.7	509.6	504.4	500.9
47.5°	398.5	398.5	398.5	399.4	398.5	398.5	398.5	392.4	390.7	387.2	382.9
50°	303.0	303.9	304.7	305.6	304.7	303.9	303.0	301.2	300.4	298.6	297.8
52.5°	232.7	233.5	231.8	233.5	231.8	233.5	232.7	233.5	230.9	230.9	230.1
55°	176.2	175.4	176.2	177.1	176.2	175.4	176.2	176.2	175.4	175.4	175.4
57.5°	129.4	127.6	127.6	127.6	127.6	127.6	129.4	128.5	131.1	129.4	130.2
60°	96.4	97.2	97.2	98.1	97.2	97.2	96.4	98.1	98.1	99.0	99.0
62.5°	71.2	73.8	72.0	73.8	72.0	73.8	71.2	72.0	72.0	72.9	73.8
65°	46.0	46.0	46.0	46.9	46.0	46.0	46.0	46.9	47.7	46.9	49.5
67.5°	31.3	32.1	33.9	33.0	33.9	32.1	31.3	32.1	32.1	34.7	33.9
70°	25.2	22.6	22.6	25.2	22.6	22.6	25.2	23.4	22.6	24.3	23.4
72.5°	14.8	13.0	14.8	14.8	14.8	13.0	14.8	13.0	13.9	13.9	15.6
75°	7.8	6.9	6.1	8.7	6.1	6.9	7.8	7.8	7.8	7.8	8.7
77.5°	5.2	4.3	6.1	6.1	6.1	4.3	5.2	4.3	5.2	4.3	5.2
80°	2.6	3.5	2.6	4.3	2.6	3.5	2.6	4.3	2.6	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: P245938

CATALOG NUMBER: LD8B40D010 ER8B40940 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0
2.5°	1796.3	1793.7	1794.5	1789.3	1789.3	1787.6	1788.5	1784.1	1782.4	1780.6	1783.3
5°	1822.3	1818.0	1814.5	1806.7	1802.3	1797.2	1794.5	1787.6	1781.5	1776.3	1775.4
7.5°	1843.1	1833.6	1827.5	1817.1	1809.3	1803.2	1794.5	1785.0	1777.2	1770.2	1765.0
10°	1851.8	1842.3	1832.7	1819.7	1811.0	1799.7	1791.0	1778.9	1768.5	1759.0	1752.8
12.5°	1852.7	1840.5	1831.9	1817.1	1805.8	1793.7	1784.1	1770.2	1758.1	1748.5	1739.0
15°	1844.9	1833.6	1823.2	1807.6	1796.3	1785.0	1773.7	1759.0	1747.7	1736.4	1729.4
17.5°	1827.5	1817.1	1804.9	1790.2	1779.8	1769.4	1757.2	1745.1	1732.0	1719.9	1711.2
20°	1804.9	1793.7	1783.3	1768.5	1759.8	1748.5	1737.2	1724.2	1713.8	1701.6	1692.1
22.5°	1771.1	1760.7	1751.1	1742.4	1728.5	1719.9	1712.1	1697.3	1686.9	1675.6	1665.2
25°	1722.5	1712.1	1704.2	1693.8	1687.7	1678.2	1670.4	1657.4	1647.8	1637.4	1628.7
27.5°	1642.6	1636.5	1632.2	1626.1	1620.9	1616.5	1612.2	1601.8	1594.9	1585.3	1576.6
30°	1522.8	1521.9	1519.3	1516.7	1520.2	1520.2	1520.2	1518.5	1512.4	1505.4	1499.3
32.5°	1369.1	1370.9	1374.3	1376.9	1383.9	1391.7	1398.6	1402.1	1402.1	1397.8	1395.2
35°	1185.9	1188.6	1193.8	1200.7	1209.4	1218.9	1234.5	1238.0	1240.6	1240.6	1237.1
37.5°	995.8	994.9	1000.2	1006.2	1011.4	1018.4	1029.7	1032.3	1036.6	1034.9	1031.4
40°	810.9	806.5	804.8	806.5	812.6	810.0	812.6	810.9	810.9	804.8	804.8
42.5°	639.8	634.7	631.2	628.6	628.6	622.5	618.1	613.8	611.2	606.9	606.0
45°	493.1	487.0	482.7	481.0	478.4	470.6	465.3	460.1	454.1	452.3	453.2
47.5°	382.9	376.8	375.0	370.7	366.4	362.0	358.6	352.5	351.6	348.1	351.6
50°	295.2	293.5	290.8	289.1	286.5	283.0	279.6	276.1	274.3	274.3	275.2
52.5°	229.2	230.1	227.5	224.8	223.1	223.1	218.8	217.9	217.9	214.4	217.9
55°	175.4	174.5	175.4	173.6	173.6	171.0	171.0	168.4	168.4	165.8	167.6
57.5°	128.5	130.2	128.5	129.4	131.1	128.5	127.6	125.0	126.8	125.0	125.9
60°	99.8	99.8	99.8	99.0	99.0	98.1	98.1	97.2	97.2	95.5	97.2
62.5°	73.8	74.7	74.7	74.7	75.5	74.7	73.8	74.7	73.8	73.8	74.7
65°	48.6	49.5	49.5	48.6	50.4	48.6	49.5	50.4	51.2	50.4	51.2
67.5°	33.0	33.0	33.9	34.7	33.9	34.7	35.6	34.7	35.6	37.3	35.6
70°	24.3	25.2	25.2	24.3	23.4	24.3	23.4	26.1	26.1	26.1	27.8
72.5°	15.6	15.6	14.8	14.8	14.8	14.8	14.8	17.4	15.6	14.8	16.5
75°	8.7	9.5	9.5	6.9	7.8	9.5	6.9	7.8	10.4	8.7	10.4
77.5°	5.2	5.2	5.2	5.2	5.2	5.2	6.9	6.1	6.1	6.1	6.9
80°	4.3	3.5	3.5	2.6	3.5	3.5	3.5	5.2	4.3	4.3	5.2
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: P245938

CATALOG NUMBER: LD8B40D010 ER8B40940 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0
2.5°	1776.3	1776.3	1775.4	1773.7	1770.2	1770.2	1769.4	1766.7	1765.0	1764.1	1764.1
5°	1767.6	1764.1	1760.7	1751.1	1751.1	1749.4	1744.2	1740.7	1739.0	1734.6	1732.9
7.5°	1759.8	1749.4	1743.3	1737.2	1729.4	1725.9	1719.9	1717.3	1711.2	1706.9	1704.2
10°	1740.7	1733.8	1725.9	1716.4	1710.3	1703.4	1696.4	1691.2	1683.4	1679.1	1675.6
12.5°	1727.7	1717.3	1710.3	1699.9	1689.5	1683.4	1673.9	1667.8	1660.0	1651.3	1646.1
15°	1715.5	1704.2	1694.7	1683.4	1672.1	1665.2	1653.9	1647.0	1635.7	1627.0	1620.9
17.5°	1697.3	1687.7	1677.3	1663.4	1653.0	1644.4	1632.2	1623.5	1613.1	1601.8	1595.7
20°	1678.2	1666.9	1656.5	1642.6	1632.2	1621.8	1609.6	1600.1	1587.9	1577.5	1570.6
22.5°	1653.0	1640.0	1631.3	1617.4	1605.3	1594.0	1582.7	1571.4	1560.1	1551.4	1543.6
25°	1616.5	1602.6	1593.1	1581.8	1570.6	1561.9	1548.0	1541.0	1529.7	1521.9	1514.1
27.5°	1564.4	1554.0	1545.4	1534.1	1524.5	1517.6	1507.2	1500.2	1490.7	1483.7	1477.6
30°	1488.1	1479.4	1471.6	1460.3	1453.3	1447.3	1437.7	1431.6	1424.7	1416.9	1415.1
32.5°	1385.6	1378.7	1370.9	1363.0	1357.8	1354.4	1346.5	1343.1	1336.1	1331.8	1327.5
35°	1231.1	1225.0	1220.7	1217.2	1215.5	1216.3	1214.6	1218.1	1219.8	1218.9	1219.8
37.5°	1028.8	1025.3	1027.1	1029.7	1038.4	1049.6	1060.0	1075.7	1086.1	1096.5	1106.1
40°	803.1	805.7	812.6	828.2	850.8	876.0	899.5	929.0	958.5	979.3	998.4
42.5°	606.0	613.8	631.2	653.7	687.6	724.9	761.4	804.8	840.4	875.1	899.5
45°	455.8	466.2	488.8	520.1	557.4	600.8	646.8	695.4	738.0	773.6	800.5
47.5°	355.1	364.6	387.2	420.2	466.2	511.4	559.1	609.5	653.7	688.5	711.9
50°	280.4	292.6	312.5	347.3	393.3	441.0	490.5	540.0	581.7	611.2	632.0
52.5°	220.5	231.8	250.9	287.4	334.3	382.0	428.0	476.6	513.1	541.7	555.6
55°	171.0	181.5	201.4	231.8	276.1	323.0	369.0	410.7	444.5	465.3	478.4
57.5°	130.2	138.0	151.9	182.3	222.3	265.7	304.7	346.4	372.5	387.2	395.9
60°	99.0	105.1	119.8	143.3	179.7	217.1	250.0	281.3	302.1	314.3	323.0
62.5°	74.7	81.6	92.0	112.0	139.8	170.2	197.9	221.4	238.7	246.6	252.6
65°	51.2	56.4	64.3	79.9	103.3	125.0	146.7	164.1	175.4	184.1	187.5
67.5°	38.2	41.7	46.0	58.2	74.7	92.0	106.8	118.9	131.1	134.6	140.7
70°	28.7	31.3	35.6	44.3	53.8	66.0	78.2	85.1	93.8	99.8	101.6
72.5°	18.2	19.1	23.4	28.7	36.4	44.3	52.1	58.2	63.4	66.9	68.6
75°	10.4	15.6	15.6	20.8	26.1	29.5	34.7	39.1	41.7	44.3	44.3
77.5°	6.9	9.5	10.4	13.0	15.6	20.0	24.3	26.9	29.5	30.4	30.4
80°	6.1	6.9	6.9	9.5	11.3	14.8	17.4	18.2	20.0	20.8	22.6
82.5°	2.6	3.5	4.3	6.9	7.8	7.8	10.4	11.3	13.0	13.9	13.9
85°	0.9	1.8	1.8	2.6	4.3	5.2	6.1	6.9	7.8	7.8	8.7
87.5°	0.9	0.9	0.0	0.9	1.8	1.8	3.5	3.5	3.5	5.2	5.2
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: P245938

CATALOG NUMBER: LD8B40D010 ER8B40940 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0	1778.0
2.5°	1762.4	1763.3	1759.8	1759.0	1757.2	1758.1	1759.8
5°	1730.3	1731.2	1727.7	1724.2	1724.2	1723.3	1724.2
7.5°	1699.9	1700.8	1695.6	1693.8	1690.3	1691.2	1691.2
10°	1669.5	1669.5	1661.7	1660.8	1658.2	1657.4	1657.4
12.5°	1640.0	1637.4	1631.3	1627.8	1629.6	1624.4	1624.4
15°	1613.9	1609.6	1601.8	1599.2	1594.9	1593.1	1593.1
17.5°	1587.0	1583.6	1576.6	1571.4	1566.2	1565.3	1566.2
20°	1561.0	1557.5	1548.8	1545.4	1541.0	1541.0	1539.3
22.5°	1534.9	1531.5	1523.7	1521.1	1515.0	1515.0	1515.8
25°	1508.0	1505.4	1496.7	1495.0	1494.2	1490.7	1492.4
27.5°	1471.6	1469.8	1462.9	1460.3	1456.8	1456.0	1457.7
30°	1404.7	1402.1	1396.9	1394.3	1388.2	1389.1	1390.8
32.5°	1321.4	1317.9	1310.9	1308.3	1303.2	1301.4	1302.3
35°	1217.2	1214.6	1208.5	1208.5	1203.3	1201.6	1203.3
37.5°	1111.3	1113.9	1111.3	1113.9	1111.3	1110.4	1111.3
40°	1011.4	1021.0	1022.7	1032.3	1028.8	1034.0	1033.1
42.5°	915.9	931.5	937.7	945.4	943.7	947.2	949.8
45°	819.5	832.6	838.7	843.9	844.7	846.5	847.4
47.5°	728.4	738.8	739.7	745.8	744.9	744.9	747.5
50°	643.3	650.3	652.0	656.3	652.9	651.1	652.0
52.5°	564.3	571.3	569.5	571.3	566.9	565.2	566.0
55°	483.6	487.0	487.0	487.0	481.9	481.9	481.9
57.5°	401.1	402.0	400.2	401.1	400.2	395.0	394.2
60°	325.6	325.6	324.7	325.6	323.0	320.4	320.4
62.5°	254.4	256.1	259.6	256.1	254.4	256.1	253.5
65°	190.1	193.6	192.7	194.5	193.6	193.6	191.9
67.5°	143.3	144.1	145.0	145.9	145.9	145.9	145.9
70°	105.1	107.7	106.8	106.8	106.8	106.8	112.0
72.5°	70.3	73.8	72.9	74.7	74.7	76.4	74.7
75°	47.7	51.2	49.5	52.1	51.2	49.5	53.8
77.5°	32.1	33.9	34.7	35.6	34.7	33.9	34.7
80°	22.6	24.3	23.4	24.3	24.3	24.3	25.2
82.5°	13.9	16.5	15.6	16.5	15.6	16.5	16.5
85°	9.5	10.4	8.7	10.4	9.5	9.5	11.3
87.5°	6.1	5.2	5.2	6.1	5.2	6.1	5.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)