

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: P245932

Luminaire Tested: **LD8B40D010 ER8B40935 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245932
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 ER8B40935 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 3500 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2867.0 lumens
Efficiency: N/A
Efficacy: 70.1 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

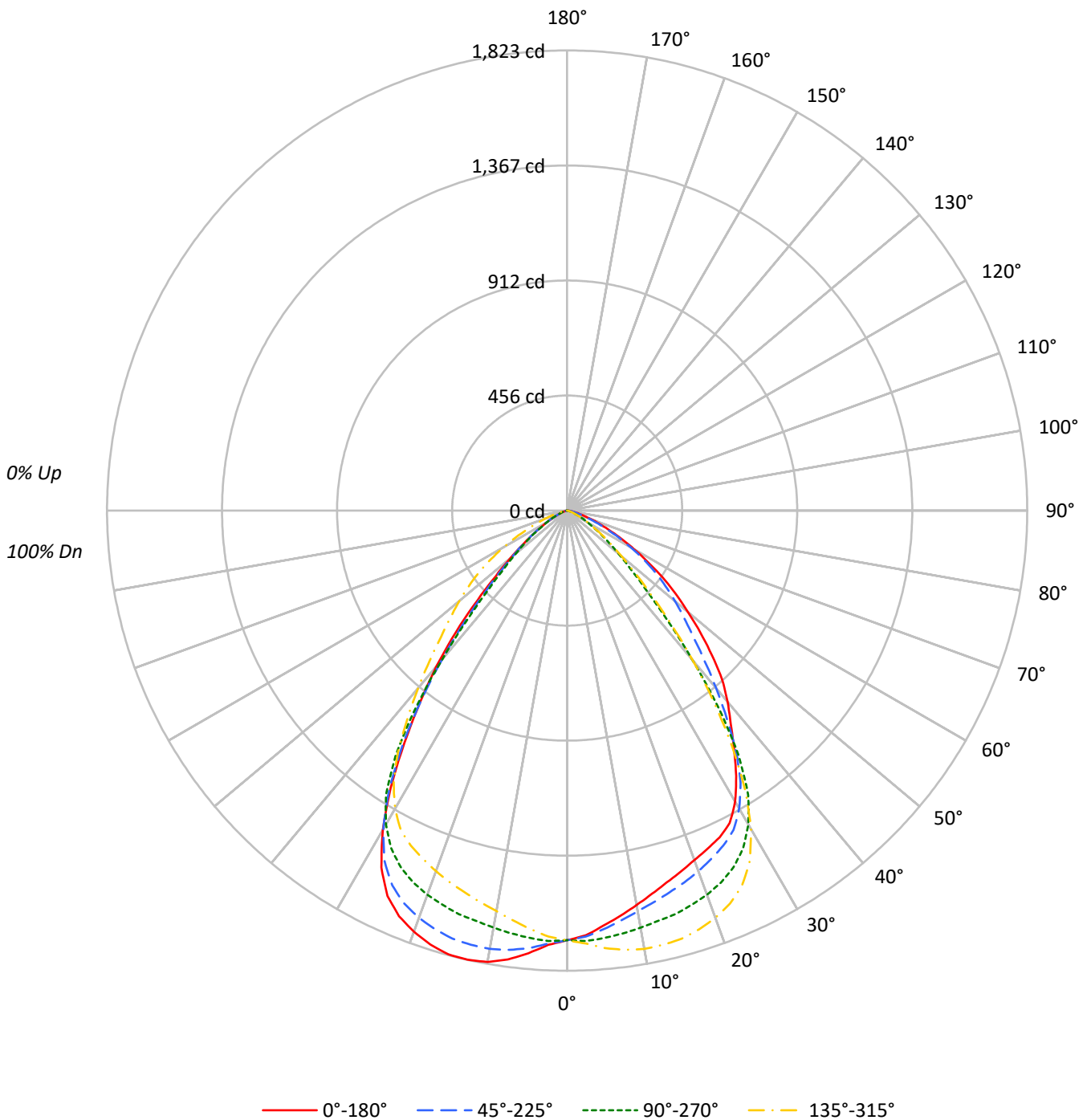
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	52483	52483	52483	52483
5°	51090	52606	54485	52606
10°	49677	52538	56859	52538
15°	48684	52850	58105	52850
20°	48353	53154	58254	53154
25°	48607	53047	57317	53047
30°	47407	51106	52025	51106
35°	43362	44582	42297	44582
40°	39811	31012	32384	31012
45°	35371	18918	21892	18918
50°	29940	12636	14032	12636
55°	24800	8623	9113	8623
60°	18915	5742	5791	5742
65°	13404	3575	3276	3575
70°	9665	2398	2173	2398
75°	6136	1191	989	1191
80°	4280	888	728	888
85°	3821	0	283	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.0	5.7
10°-20°	469.1	16.4
20°-30°	710.4	24.8
30°-40°	712.0	24.8
40°-50°	447.1	15.6
50°-60°	238.2	8.3
60°-70°	98.0	3.4
70°-80°	25.9	0.9
80°-90°	4.4	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°	1341.5	46.8
0°-40°	2053.5	71.6
0°-60°	2738.8	95.5
0°-90°	2867.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2867.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1702	1702	1702	1702	1702	
5°	1650	1700	1760	1700	1650	156
15°	1525	1656	1820	1656	1525	431
25°	1429	1559	1685	1559	1429	655
35°	1152	1184	1124	1184	1152	722
45°	811	434	502	434	811	624
55°	461	160	170	160	461	411
65°	184	49	45	49	184	191
75°	52	10	8	10	52	58
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°	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0
2.5°	1684.6	1682.9	1682.1	1683.8	1684.6	1687.9	1687.1	1688.7	1688.7	1689.6	1691.2
5°	1650.5	1649.7	1650.5	1650.5	1653.8	1657.2	1656.3	1658.8	1660.5	1664.7	1666.3
7.5°	1619.0	1619.0	1618.1	1621.4	1623.1	1628.1	1627.2	1631.4	1633.9	1638.0	1643.9
10°	1586.5	1586.5	1587.3	1589.8	1590.7	1598.2	1598.2	1604.0	1607.3	1611.5	1619.0
12.5°	1555.0	1555.0	1559.9	1558.3	1561.6	1567.4	1569.9	1575.7	1580.7	1589.0	1596.5
15°	1525.0	1525.0	1526.7	1530.8	1533.3	1540.8	1545.0	1551.6	1557.5	1565.8	1576.6
17.5°	1499.3	1498.4	1499.3	1504.3	1509.3	1515.9	1519.2	1527.5	1533.3	1544.1	1554.1
20°	1473.5	1475.2	1475.2	1479.3	1482.6	1491.0	1494.3	1503.4	1510.1	1520.0	1531.7
22.5°	1451.1	1450.2	1450.2	1456.1	1458.6	1466.0	1469.3	1477.6	1485.1	1493.4	1504.3
25°	1428.6	1426.9	1430.3	1431.1	1432.8	1441.1	1443.6	1449.4	1456.9	1464.4	1475.2
27.5°	1395.4	1393.7	1394.6	1397.9	1400.4	1407.0	1408.7	1414.5	1420.3	1426.9	1436.1
30°	1331.4	1329.7	1328.9	1334.7	1337.2	1342.2	1344.7	1354.7	1356.3	1363.8	1370.4
32.5°	1246.6	1245.8	1247.5	1252.4	1254.9	1261.6	1264.9	1270.7	1274.9	1279.0	1285.7
35°	1151.9	1150.2	1151.9	1156.9	1156.9	1162.7	1165.2	1167.7	1166.8	1167.7	1166.0
37.5°	1063.8	1062.9	1063.8	1066.3	1063.8	1066.3	1063.8	1058.8	1049.7	1039.7	1029.7
40°	989.0	989.8	984.8	988.2	979.0	977.4	968.2	955.7	937.5	917.5	889.3
42.5°	909.2	906.7	903.4	905.0	897.6	891.7	876.8	861.0	837.7	804.5	770.4
45°	811.1	810.3	808.6	807.8	802.8	797.0	784.5	766.3	740.5	706.4	665.7
47.5°	715.6	713.1	713.1	713.9	708.1	707.2	697.3	681.5	659.0	625.8	583.4
50°	624.1	623.3	625.0	628.3	624.1	622.5	615.8	605.0	585.1	556.8	516.9
52.5°	541.9	541.0	542.7	546.8	545.2	546.8	540.2	531.9	518.6	491.2	456.3
55°	461.3	461.3	461.3	466.2	466.2	466.2	462.9	457.9	445.5	425.5	393.1
57.5°	377.3	378.1	383.1	383.9	383.1	384.8	383.9	379.0	370.7	356.5	331.6
60°	306.7	306.7	309.2	311.7	310.8	311.7	311.7	309.2	300.9	289.2	269.3
62.5°	242.7	245.2	243.5	245.2	248.5	245.2	243.5	241.8	236.0	228.5	211.9
65°	183.7	185.3	185.3	186.2	184.5	185.3	182.0	179.5	176.2	167.9	157.1
67.5°	139.6	139.6	139.6	139.6	138.8	138.0	137.1	134.6	128.8	125.5	113.8
70°	107.2	102.2	102.2	102.2	102.2	103.1	100.6	97.3	95.6	89.8	81.4
72.5°	71.5	73.1	71.5	71.5	69.8	70.6	67.3	65.6	64.0	60.7	55.7
75°	51.5	47.4	49.0	49.9	47.4	49.0	45.7	42.4	42.4	39.9	37.4
77.5°	33.3	32.4	33.3	34.1	33.3	32.4	30.8	29.1	29.1	28.3	25.8
80°	24.1	23.3	23.3	23.3	22.4	23.3	21.6	21.6	19.9	19.1	17.4
82.5°	15.8	15.8	14.9	15.8	14.9	15.8	13.3	13.3	13.3	12.5	10.8
85°	10.8	9.1	9.1	10.0	8.3	10.0	9.1	8.3	7.5	7.5	6.6
87.5°	5.0	5.8	5.0	5.8	5.0	5.0	5.8	5.0	5.0	3.3	3.3
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°	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0
2.5°	1693.7	1694.6	1694.6	1697.9	1699.5	1700.4	1700.4	1707.0	1704.5	1706.2	1707.9
5°	1669.7	1674.6	1676.3	1676.3	1685.4	1688.7	1692.1	1699.5	1700.4	1705.4	1711.2
7.5°	1646.4	1652.2	1655.5	1663.0	1668.8	1674.6	1684.6	1689.6	1694.6	1701.2	1708.7
10°	1623.9	1630.6	1637.2	1643.0	1652.2	1659.7	1666.3	1677.9	1683.8	1692.9	1702.9
12.5°	1602.3	1611.5	1617.3	1627.2	1637.2	1643.9	1653.8	1664.7	1673.8	1682.9	1694.6
15°	1583.2	1594.0	1600.7	1611.5	1622.3	1631.4	1642.2	1655.5	1662.2	1673.0	1683.8
17.5°	1562.4	1574.1	1582.4	1592.3	1605.6	1615.6	1624.8	1638.0	1646.4	1658.0	1670.5
20°	1540.8	1552.5	1562.4	1572.4	1585.7	1595.7	1606.5	1619.8	1628.9	1640.5	1650.5
22.5°	1515.1	1525.9	1536.7	1548.3	1561.6	1569.9	1582.4	1594.0	1604.0	1614.8	1624.8
25°	1481.8	1495.1	1503.4	1514.2	1525.0	1534.2	1547.5	1559.1	1567.4	1577.4	1586.5
27.5°	1442.8	1452.7	1459.4	1468.5	1479.3	1487.6	1497.6	1509.3	1517.6	1526.7	1533.3
30°	1376.3	1385.4	1391.2	1397.9	1408.7	1416.2	1424.5	1435.3	1441.1	1447.7	1453.6
32.5°	1289.0	1296.5	1299.8	1304.8	1312.3	1319.7	1326.4	1335.5	1338.0	1342.2	1342.2
35°	1162.7	1164.3	1163.5	1165.2	1168.5	1172.6	1178.5	1184.3	1187.6	1187.6	1185.1
37.5°	1014.7	1004.8	994.0	985.7	983.2	981.5	984.8	987.3	990.7	992.3	988.2
40°	861.0	838.6	814.5	792.8	777.9	771.3	768.8	770.4	770.4	776.2	776.2
42.5°	728.9	693.9	658.2	625.8	604.2	587.6	580.1	580.1	580.9	585.1	587.6
45°	619.2	575.1	533.5	497.8	467.9	446.3	436.3	433.8	433.0	434.6	440.5
47.5°	535.2	489.5	446.3	402.3	370.7	349.1	339.9	336.6	333.3	336.6	337.4
50°	469.6	422.2	376.5	332.4	299.2	280.1	268.4	263.4	262.6	262.6	264.3
52.5°	409.7	365.7	320.0	275.1	240.2	221.9	211.1	208.6	205.3	208.6	208.6
55°	353.2	309.2	264.3	221.9	192.8	173.7	163.7	160.4	158.7	161.2	161.2
57.5°	291.7	254.3	212.8	174.5	145.5	132.1	124.7	120.5	119.7	121.3	119.7
60°	239.4	207.8	172.0	137.1	114.7	100.6	94.8	93.1	91.4	93.1	93.1
62.5°	189.5	162.9	133.8	107.2	88.1	78.1	71.5	71.5	70.6	70.6	71.5
65°	140.5	119.7	98.9	76.5	61.5	54.0	49.0	49.0	48.2	49.0	48.2
67.5°	102.2	88.1	71.5	55.7	44.1	39.9	36.6	34.1	35.7	34.1	33.3
70°	74.8	63.1	51.5	42.4	34.1	29.9	27.4	26.6	24.9	24.9	24.9
72.5°	49.9	42.4	34.9	27.4	22.4	18.3	17.4	15.8	14.1	14.9	16.6
75°	33.3	28.3	24.9	19.9	14.9	14.9	10.0	10.0	8.3	10.0	7.5
77.5°	23.3	19.1	14.9	12.5	10.0	9.1	6.6	6.6	5.8	5.8	5.8
80°	16.6	14.1	10.8	9.1	6.6	6.6	5.8	5.0	4.1	4.1	5.0
82.5°	10.0	7.5	7.5	6.6	4.1	3.3	2.5	3.3	1.7	1.7	1.7
85°	5.8	5.0	4.1	2.5	1.7	1.7	0.8	0.0	0.8	0.8	0.0
87.5°	3.3	1.7	1.7	0.8	0.0	0.8	0.8	0.0	0.0	0.0	1.7
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°	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0
2.5°	1712.0	1711.2	1712.9	1712.9	1717.9	1717.0	1719.5	1719.5	1717.9	1718.7	1722.0
5°	1717.9	1720.3	1725.3	1729.5	1736.9	1740.3	1744.4	1748.6	1749.4	1751.9	1754.4
7.5°	1717.9	1726.2	1732.0	1739.4	1749.4	1755.2	1764.4	1771.9	1775.2	1779.3	1784.3
10°	1714.5	1722.8	1733.6	1741.9	1754.4	1763.6	1772.7	1784.3	1789.3	1795.9	1802.6
12.5°	1707.9	1717.0	1728.6	1739.4	1753.6	1761.9	1773.5	1784.3	1791.8	1800.9	1808.4
15°	1697.9	1708.7	1719.5	1730.3	1745.3	1755.2	1766.1	1778.5	1786.0	1795.9	1802.6
17.5°	1682.1	1693.7	1703.7	1713.7	1727.8	1739.4	1749.4	1761.1	1768.5	1776.9	1786.0
20°	1663.0	1673.8	1684.6	1692.9	1707.0	1717.0	1727.8	1738.6	1744.4	1746.1	1760.2
22.5°	1638.9	1646.4	1654.7	1668.0	1676.3	1685.4	1695.4	1705.4	1711.2	1720.3	1725.3
25°	1599.0	1606.5	1615.6	1621.4	1631.4	1638.9	1648.9	1659.7	1663.0	1669.7	1674.6
27.5°	1543.3	1547.5	1551.6	1556.6	1562.4	1566.6	1572.4	1577.4	1580.7	1584.0	1587.3
30°	1455.2	1455.2	1455.2	1451.9	1454.4	1456.9	1457.7	1456.9	1456.9	1456.1	1456.1
32.5°	1338.9	1332.2	1324.7	1318.1	1315.6	1312.3	1310.6	1308.1	1304.0	1301.5	1302.3
35°	1181.8	1166.8	1157.7	1149.4	1142.7	1137.8	1135.3	1132.8	1131.9	1128.6	1125.3
37.5°	985.7	974.9	968.2	963.2	957.4	952.4	953.2	954.1	956.6	954.9	955.7
40°	777.9	775.4	777.9	772.1	770.4	772.1	776.2	782.1	785.4	788.7	794.5
42.5°	591.7	595.9	601.7	601.7	604.2	607.5	612.5	621.7	626.6	632.4	639.1
45°	445.5	450.4	457.9	460.4	462.1	466.2	472.1	479.5	482.8	487.8	493.7
47.5°	343.2	346.6	350.7	354.9	359.0	360.7	366.5	366.5	370.7	374.0	375.6
50°	267.6	270.9	274.2	276.7	278.4	280.9	282.6	285.1	285.9	287.6	288.4
52.5°	209.4	213.6	213.6	215.2	217.7	220.2	219.4	220.2	221.1	221.1	223.5
55°	163.7	163.7	166.2	166.2	167.9	167.0	167.9	167.9	167.9	167.9	168.7
57.5°	122.2	123.0	125.5	123.8	123.0	124.7	123.0	124.7	123.8	125.5	123.0
60°	93.9	93.9	94.8	94.8	95.6	95.6	95.6	94.8	94.8	93.9	93.9
62.5°	70.6	71.5	72.3	71.5	71.5	71.5	70.6	70.6	69.8	69.0	69.0
65°	47.4	46.6	48.2	46.6	47.4	47.4	46.6	47.4	44.9	45.7	44.9
67.5°	34.1	33.3	32.4	33.3	32.4	31.6	31.6	32.4	33.3	30.8	30.8
70°	22.4	23.3	22.4	23.3	24.1	24.1	23.3	22.4	23.3	21.6	22.4
72.5°	14.1	14.1	14.1	14.1	14.1	14.9	14.9	14.9	13.3	13.3	12.5
75°	6.6	9.1	7.5	6.6	9.1	9.1	8.3	8.3	7.5	7.5	7.5
77.5°	6.6	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.1	5.0	4.1
80°	3.3	3.3	3.3	2.5	3.3	3.3	4.1	3.3	3.3	2.5	4.1
82.5°	1.7	1.7	1.7	0.0	0.8	1.7	1.7	0.8	1.7	1.7	0.8
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: P245932

CATALOG NUMBER: LD8B40D010 ER8B40935 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0
2.5°	1721.2	1720.3	1721.2	1722.0	1721.2	1720.3	1721.2	1722.0	1718.7	1717.9	1719.5
5°	1757.7	1757.7	1759.4	1760.2	1759.4	1757.7	1757.7	1754.4	1751.9	1749.4	1748.6
7.5°	1789.3	1791.0	1792.6	1793.5	1792.6	1791.0	1789.3	1784.3	1779.3	1775.2	1771.9
10°	1808.4	1810.9	1814.2	1815.9	1814.2	1810.9	1808.4	1802.6	1795.9	1789.3	1784.3
12.5°	1816.7	1819.2	1823.4	1822.6	1823.4	1819.2	1816.7	1808.4	1800.9	1791.8	1784.3
15°	1810.9	1814.2	1818.4	1820.1	1818.4	1814.2	1810.9	1802.6	1795.9	1786.0	1778.5
17.5°	1792.6	1797.6	1800.1	1802.6	1800.1	1797.6	1792.6	1786.0	1776.9	1768.5	1761.1
20°	1767.7	1771.0	1774.4	1775.2	1774.4	1771.0	1767.7	1760.2	1746.1	1744.4	1738.6
22.5°	1732.0	1734.5	1741.9	1739.4	1741.9	1734.5	1732.0	1725.3	1720.3	1711.2	1705.4
25°	1680.4	1682.9	1683.8	1684.6	1683.8	1682.9	1680.4	1674.6	1669.7	1663.0	1659.7
27.5°	1591.5	1591.5	1593.2	1594.0	1593.2	1591.5	1591.5	1587.3	1584.0	1580.7	1577.4
30°	1456.9	1456.9	1456.9	1461.1	1456.9	1456.9	1456.9	1456.1	1456.1	1456.9	1456.9
32.5°	1301.5	1299.8	1298.2	1299.8	1298.2	1299.8	1301.5	1302.3	1301.5	1304.0	1308.1
35°	1125.3	1124.4	1126.9	1123.6	1126.9	1124.4	1125.3	1125.3	1128.6	1131.9	1132.8
37.5°	956.6	954.9	958.2	954.9	958.2	954.9	956.6	955.7	954.9	956.6	954.1
40°	796.2	797.8	797.8	804.5	797.8	797.8	796.2	794.5	788.7	785.4	782.1
42.5°	642.4	647.4	645.7	650.7	645.7	647.4	642.4	639.1	632.4	626.6	621.7
45°	497.0	500.3	500.3	502.0	500.3	500.3	497.0	493.7	487.8	482.8	479.5
47.5°	381.5	381.5	381.5	382.3	381.5	381.5	381.5	375.6	374.0	370.7	366.5
50°	290.0	290.9	291.7	292.5	291.7	290.9	290.0	288.4	287.6	285.9	285.1
52.5°	222.7	223.5	221.9	223.5	221.9	223.5	222.7	223.5	221.1	221.1	220.2
55°	168.7	167.9	168.7	169.5	168.7	167.9	168.7	168.7	167.9	167.9	167.9
57.5°	123.8	122.2	122.2	122.2	122.2	122.2	123.8	123.0	125.5	123.8	124.7
60°	92.3	93.1	93.1	93.9	93.1	93.1	92.3	93.9	93.9	94.8	94.8
62.5°	68.1	70.6	69.0	70.6	69.0	70.6	68.1	69.0	69.0	69.8	70.6
65°	44.1	44.1	44.1	44.9	44.1	44.1	44.1	44.9	45.7	44.9	47.4
67.5°	29.9	30.8	32.4	31.6	32.4	30.8	29.9	30.8	30.8	33.3	32.4
70°	24.1	21.6	21.6	24.1	21.6	21.6	24.1	22.4	21.6	23.3	22.4
72.5°	14.1	12.5	14.1	14.1	14.1	12.5	14.1	12.5	13.3	13.3	14.9
75°	7.5	6.6	5.8	8.3	5.8	6.6	7.5	7.5	7.5	7.5	8.3
77.5°	5.0	4.1	5.8	5.8	5.8	4.1	5.0	4.1	5.0	4.1	5.0
80°	2.5	3.3	2.5	4.1	2.5	3.3	2.5	4.1	2.5	3.3	3.3
82.5°	0.8	1.7	1.7	1.7	1.7	1.7	0.8	0.8	1.7	1.7	0.8
85°	0.0	1.7	0.8	0.8	0.8	1.7	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	0.0	0.0	0.8	0.0	0.0	0.8	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: P245932

CATALOG NUMBER: LD8B40D010 ER8B40935 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0
2.5°	1719.5	1717.0	1717.9	1712.9	1712.9	1711.2	1712.0	1707.9	1706.2	1704.5	1707.0
5°	1744.4	1740.3	1736.9	1729.5	1725.3	1720.3	1717.9	1711.2	1705.4	1700.4	1699.5
7.5°	1764.4	1755.2	1749.4	1739.4	1732.0	1726.2	1717.9	1708.7	1701.2	1694.6	1689.6
10°	1772.7	1763.6	1754.4	1741.9	1733.6	1722.8	1714.5	1702.9	1692.9	1683.8	1677.9
12.5°	1773.5	1761.9	1753.6	1739.4	1728.6	1717.0	1707.9	1694.6	1682.9	1673.8	1664.7
15°	1766.1	1755.2	1745.3	1730.3	1719.5	1708.7	1697.9	1683.8	1673.0	1662.2	1655.5
17.5°	1749.4	1739.4	1727.8	1713.7	1703.7	1693.7	1682.1	1670.5	1658.0	1646.4	1638.0
20°	1727.8	1717.0	1707.0	1692.9	1684.6	1673.8	1663.0	1650.5	1640.5	1628.9	1619.8
22.5°	1695.4	1685.4	1676.3	1668.0	1654.7	1646.4	1638.9	1624.8	1614.8	1604.0	1594.0
25°	1648.9	1638.9	1631.4	1621.4	1615.6	1606.5	1599.0	1586.5	1577.4	1567.4	1559.1
27.5°	1572.4	1566.6	1562.4	1556.6	1551.6	1547.5	1543.3	1533.3	1526.7	1517.6	1509.3
30°	1457.7	1456.9	1454.4	1451.9	1455.2	1455.2	1455.2	1453.6	1447.7	1441.1	1435.3
32.5°	1310.6	1312.3	1315.6	1318.1	1324.7	1332.2	1338.9	1342.2	1342.2	1338.0	1335.5
35°	1135.3	1137.8	1142.7	1149.4	1157.7	1166.8	1181.8	1185.1	1187.6	1187.6	1184.3
37.5°	953.2	952.4	957.4	963.2	968.2	974.9	985.7	988.2	992.3	990.7	987.3
40°	776.2	772.1	770.4	772.1	777.9	775.4	777.9	776.2	776.2	770.4	770.4
42.5°	612.5	607.5	604.2	601.7	601.7	595.9	591.7	587.6	585.1	580.9	580.1
45°	472.1	466.2	462.1	460.4	457.9	450.4	445.5	440.5	434.6	433.0	433.8
47.5°	366.5	360.7	359.0	354.9	350.7	346.6	343.2	337.4	336.6	333.3	336.6
50°	282.6	280.9	278.4	276.7	274.2	270.9	267.6	264.3	262.6	262.6	263.4
52.5°	219.4	220.2	217.7	215.2	213.6	213.6	209.4	208.6	208.6	205.3	208.6
55°	167.9	167.0	167.9	166.2	166.2	163.7	163.7	161.2	161.2	158.7	160.4
57.5°	123.0	124.7	123.0	123.8	125.5	123.0	122.2	119.7	121.3	119.7	120.5
60°	95.6	95.6	95.6	94.8	94.8	93.9	93.9	93.1	93.1	91.4	93.1
62.5°	70.6	71.5	71.5	71.5	72.3	71.5	70.6	71.5	70.6	70.6	71.5
65°	46.6	47.4	47.4	46.6	48.2	46.6	47.4	48.2	49.0	48.2	49.0
67.5°	31.6	31.6	32.4	33.3	32.4	33.3	34.1	33.3	34.1	35.7	34.1
70°	23.3	24.1	24.1	23.3	22.4	23.3	22.4	24.9	24.9	24.9	26.6
72.5°	14.9	14.9	14.1	14.1	14.1	14.1	14.1	16.6	14.9	14.1	15.8
75°	8.3	9.1	9.1	6.6	7.5	9.1	6.6	7.5	10.0	8.3	10.0
77.5°	5.0	5.0	5.0	5.0	5.0	5.0	6.6	5.8	5.8	5.8	6.6
80°	4.1	3.3	3.3	2.5	3.3	3.3	3.3	5.0	4.1	4.1	5.0
82.5°	1.7	1.7	0.8	0.0	1.7	1.7	1.7	1.7	1.7	1.7	3.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	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: P245932

CATALOG NUMBER: LD8B40D010 ER8B40935 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0
2.5°	1700.4	1700.4	1699.5	1697.9	1694.6	1694.6	1693.7	1691.2	1689.6	1688.7	1688.7
5°	1692.1	1688.7	1685.4	1676.3	1676.3	1674.6	1669.7	1666.3	1664.7	1660.5	1658.8
7.5°	1684.6	1674.6	1668.8	1663.0	1655.5	1652.2	1646.4	1643.9	1638.0	1633.9	1631.4
10°	1666.3	1659.7	1652.2	1643.0	1637.2	1630.6	1623.9	1619.0	1611.5	1607.3	1604.0
12.5°	1653.8	1643.9	1637.2	1627.2	1617.3	1611.5	1602.3	1596.5	1589.0	1580.7	1575.7
15°	1642.2	1631.4	1622.3	1611.5	1600.7	1594.0	1583.2	1576.6	1565.8	1557.5	1551.6
17.5°	1624.8	1615.6	1605.6	1592.3	1582.4	1574.1	1562.4	1554.1	1544.1	1533.3	1527.5
20°	1606.5	1595.7	1585.7	1572.4	1562.4	1552.5	1540.8	1531.7	1520.0	1510.1	1503.4
22.5°	1582.4	1569.9	1561.6	1548.3	1536.7	1525.9	1515.1	1504.3	1493.4	1485.1	1477.6
25°	1547.5	1534.2	1525.0	1514.2	1503.4	1495.1	1481.8	1475.2	1464.4	1456.9	1449.4
27.5°	1497.6	1487.6	1479.3	1468.5	1459.4	1452.7	1442.8	1436.1	1426.9	1420.3	1414.5
30°	1424.5	1416.2	1408.7	1397.9	1391.2	1385.4	1376.3	1370.4	1363.8	1356.3	1354.7
32.5°	1326.4	1319.7	1312.3	1304.8	1299.8	1296.5	1289.0	1285.7	1279.0	1274.9	1270.7
35°	1178.5	1172.6	1168.5	1165.2	1163.5	1164.3	1162.7	1166.0	1167.7	1166.8	1167.7
37.5°	984.8	981.5	983.2	985.7	994.0	1004.8	1014.7	1029.7	1039.7	1049.7	1058.8
40°	768.8	771.3	777.9	792.8	814.5	838.6	861.0	889.3	917.5	937.5	955.7
42.5°	580.1	587.6	604.2	625.8	658.2	693.9	728.9	770.4	804.5	837.7	861.0
45°	436.3	446.3	467.9	497.8	533.5	575.1	619.2	665.7	706.4	740.5	766.3
47.5°	339.9	349.1	370.7	402.3	446.3	489.5	535.2	583.4	625.8	659.0	681.5
50°	268.4	280.1	299.2	332.4	376.5	422.2	469.6	516.9	556.8	585.1	605.0
52.5°	211.1	221.9	240.2	275.1	320.0	365.7	409.7	456.3	491.2	518.6	531.9
55°	163.7	173.7	192.8	221.9	264.3	309.2	353.2	393.1	425.5	445.5	457.9
57.5°	124.7	132.1	145.5	174.5	212.8	254.3	291.7	331.6	356.5	370.7	379.0
60°	94.8	100.6	114.7	137.1	172.0	207.8	239.4	269.3	289.2	300.9	309.2
62.5°	71.5	78.1	88.1	107.2	133.8	162.9	189.5	211.9	228.5	236.0	241.8
65°	49.0	54.0	61.5	76.5	98.9	119.7	140.5	157.1	167.9	176.2	179.5
67.5°	36.6	39.9	44.1	55.7	71.5	88.1	102.2	113.8	125.5	128.8	134.6
70°	27.4	29.9	34.1	42.4	51.5	63.1	74.8	81.4	89.8	95.6	97.3
72.5°	17.4	18.3	22.4	27.4	34.9	42.4	49.9	55.7	60.7	64.0	65.6
75°	10.0	14.9	14.9	19.9	24.9	28.3	33.3	37.4	39.9	42.4	42.4
77.5°	6.6	9.1	10.0	12.5	14.9	19.1	23.3	25.8	28.3	29.1	29.1
80°	5.8	6.6	6.6	9.1	10.8	14.1	16.6	17.4	19.1	19.9	21.6
82.5°	2.5	3.3	4.1	6.6	7.5	7.5	10.0	10.8	12.5	13.3	13.3
85°	0.8	1.7	1.7	2.5	4.1	5.0	5.8	6.6	7.5	7.5	8.3
87.5°	0.8	0.8	0.0	0.8	1.7	1.7	3.3	3.3	3.3	5.0	5.0
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: P245932

CATALOG NUMBER: LD8B40D010 ER8B40935 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0	1702.0
2.5°	1687.1	1687.9	1684.6	1683.8	1682.1	1682.9	1684.6
5°	1656.3	1657.2	1653.8	1650.5	1650.5	1649.7	1650.5
7.5°	1627.2	1628.1	1623.1	1621.4	1618.1	1619.0	1619.0
10°	1598.2	1598.2	1590.7	1589.8	1587.3	1586.5	1586.5
12.5°	1569.9	1567.4	1561.6	1558.3	1559.9	1555.0	1555.0
15°	1545.0	1540.8	1533.3	1530.8	1526.7	1525.0	1525.0
17.5°	1519.2	1515.9	1509.3	1504.3	1499.3	1498.4	1499.3
20°	1494.3	1491.0	1482.6	1479.3	1475.2	1475.2	1473.5
22.5°	1469.3	1466.0	1458.6	1456.1	1450.2	1450.2	1451.1
25°	1443.6	1441.1	1432.8	1431.1	1430.3	1426.9	1428.6
27.5°	1408.7	1407.0	1400.4	1397.9	1394.6	1393.7	1395.4
30°	1344.7	1342.2	1337.2	1334.7	1328.9	1329.7	1331.4
32.5°	1264.9	1261.6	1254.9	1252.4	1247.5	1245.8	1246.6
35°	1165.2	1162.7	1156.9	1156.9	1151.9	1150.2	1151.9
37.5°	1063.8	1066.3	1063.8	1066.3	1063.8	1062.9	1063.8
40°	968.2	977.4	979.0	988.2	984.8	989.8	989.0
42.5°	876.8	891.7	897.6	905.0	903.4	906.7	909.2
45°	784.5	797.0	802.8	807.8	808.6	810.3	811.1
47.5°	697.3	707.2	708.1	713.9	713.1	713.1	715.6
50°	615.8	622.5	624.1	628.3	625.0	623.3	624.1
52.5°	540.2	546.8	545.2	546.8	542.7	541.0	541.9
55°	462.9	466.2	466.2	466.2	461.3	461.3	461.3
57.5°	383.9	384.8	383.1	383.9	383.1	378.1	377.3
60°	311.7	311.7	310.8	311.7	309.2	306.7	306.7
62.5°	243.5	245.2	248.5	245.2	243.5	245.2	242.7
65°	182.0	185.3	184.5	186.2	185.3	185.3	183.7
67.5°	137.1	138.0	138.8	139.6	139.6	139.6	139.6
70°	100.6	103.1	102.2	102.2	102.2	102.2	107.2
72.5°	67.3	70.6	69.8	71.5	71.5	73.1	71.5
75°	45.7	49.0	47.4	49.9	49.0	47.4	51.5
77.5°	30.8	32.4	33.3	34.1	33.3	32.4	33.3
80°	21.6	23.3	22.4	23.3	23.3	23.3	24.1
82.5°	13.3	15.8	14.9	15.8	14.9	15.8	15.8
85°	9.1	10.0	8.3	10.0	9.1	9.1	10.8
87.5°	5.8	5.0	5.0	5.8	5.0	5.8	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)