

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: P245007

Luminaire Tested: **LD8B30D010 ER8B30950 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245007
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 ER8B30950 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2828.0 lumens
Efficiency: N/A
Efficacy: 104.4 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

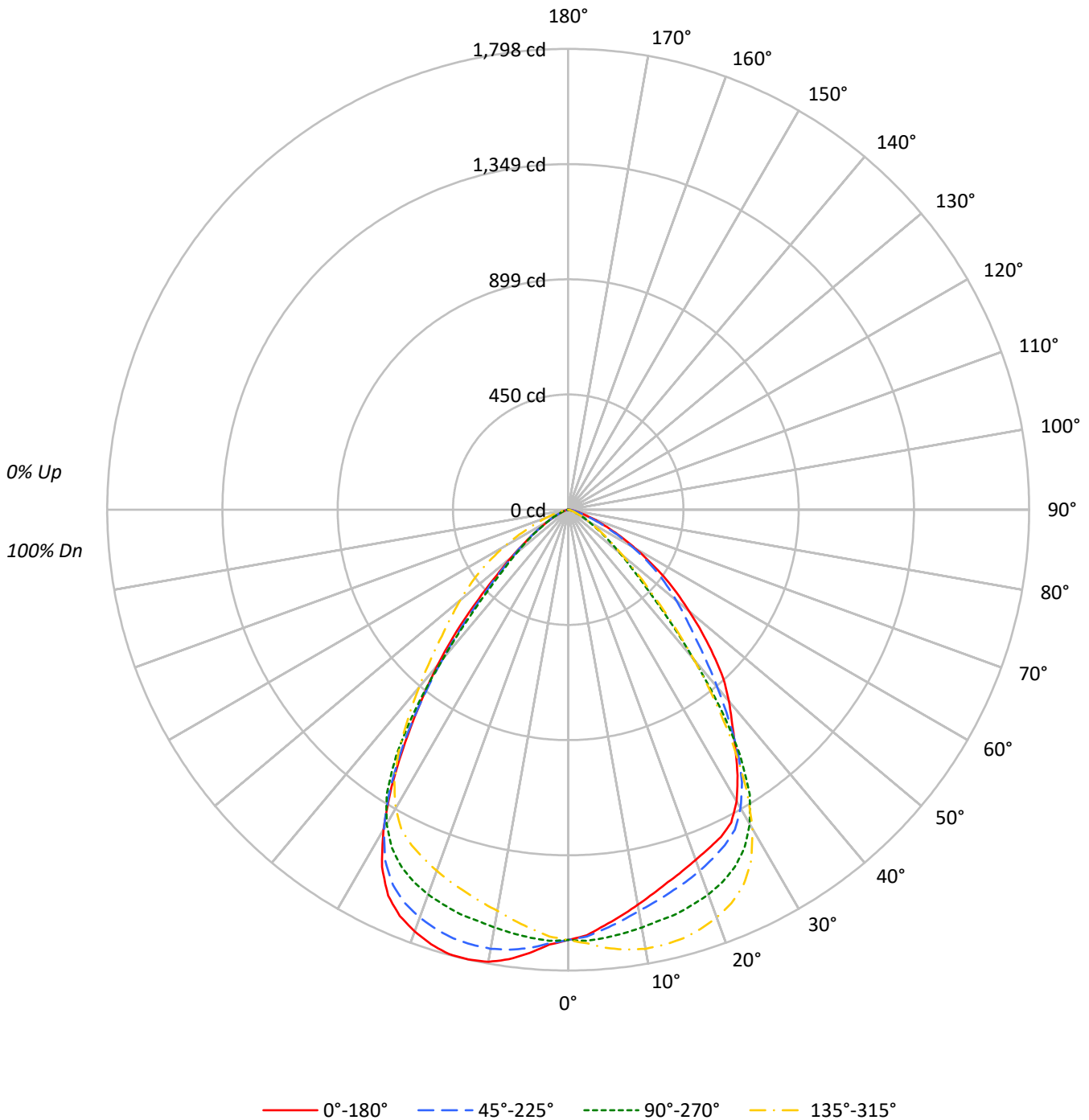
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	51771	51771	51771	51771
5°	50396	51891	53746	51891
10°	49000	51825	56086	51825
15°	48023	52132	57313	52132
20°	47697	52429	57460	52429
25°	47947	52326	56538	52326
30°	46762	50408	51316	50408
35°	42771	43976	41721	43976
40°	39268	30589	31946	30589
45°	34892	18660	21591	18660
50°	29532	12468	13845	12468
55°	24461	8505	8989	8505
60°	18656	5662	5711	5662
65°	13221	3532	3232	3532
70°	9530	2362	2146	2362
75°	6052	1180	977	1180
80°	4226	870	728	870
85°	3786	0	283	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.8	5.7
10°-20°	462.7	16.4
20°-30°	700.7	24.8
30°-40°	702.3	24.8
40°-50°	441.0	15.6
50°-60°	235.0	8.3
60°-70°	96.6	3.4
70°-80°	25.5	0.9
80°-90°	4.3	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°	1323.2	46.8
0°-40°	2025.5	71.6
0°-60°	2701.5	95.5
0°-90°	2828.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2828.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1679	1679	1679	1679	1679	
5°	1628	1676	1736	1676	1628	154
15°	1504	1633	1795	1633	1504	425
25°	1409	1538	1662	1538	1409	646
35°	1136	1168	1108	1168	1136	712
45°	800	428	495	428	800	615
55°	455	158	167	158	455	406
65°	181	48	44	48	181	188
75°	51	10	8	10	51	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°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9
2.5°	1661.7	1660.0	1659.2	1660.9	1661.7	1665.0	1664.1	1665.8	1665.8	1666.6	1668.2
5°	1628.1	1627.2	1628.1	1628.1	1631.4	1634.6	1633.8	1636.3	1637.9	1642.0	1643.6
7.5°	1596.9	1596.9	1596.1	1599.4	1601.0	1605.9	1605.1	1609.2	1611.7	1615.8	1621.5
10°	1564.9	1564.9	1565.8	1568.2	1569.1	1576.4	1576.4	1582.2	1585.4	1589.5	1596.9
12.5°	1533.8	1533.8	1538.7	1537.1	1540.3	1546.1	1548.5	1554.3	1559.2	1567.4	1574.8
15°	1504.3	1504.3	1505.9	1510.0	1512.5	1519.9	1523.9	1530.5	1536.3	1544.5	1555.1
17.5°	1478.9	1478.1	1478.9	1483.8	1488.7	1495.3	1498.5	1506.7	1512.5	1523.1	1533.0
20°	1453.5	1455.1	1455.1	1459.2	1462.5	1470.7	1473.9	1483.0	1489.5	1499.3	1510.9
22.5°	1431.3	1430.5	1430.5	1436.3	1438.7	1446.1	1449.3	1457.5	1464.9	1473.1	1483.8
25°	1409.2	1407.5	1410.8	1411.7	1413.3	1421.5	1423.9	1429.7	1437.1	1444.5	1455.1
27.5°	1376.4	1374.8	1375.6	1378.9	1381.3	1387.9	1389.5	1395.3	1401.0	1407.5	1416.6
30°	1313.3	1311.6	1310.8	1316.6	1319.0	1323.9	1326.4	1336.2	1337.9	1345.2	1351.8
32.5°	1229.6	1228.8	1230.5	1235.4	1237.8	1244.4	1247.7	1253.4	1257.5	1261.6	1268.2
35°	1136.2	1134.6	1136.2	1141.1	1141.1	1146.9	1149.3	1151.8	1151.0	1151.8	1150.1
37.5°	1049.3	1048.5	1049.3	1051.8	1049.3	1051.8	1049.3	1044.4	1035.4	1025.5	1015.7
40°	975.5	976.3	971.4	974.7	965.7	964.1	955.0	942.7	924.7	905.0	877.2
42.5°	896.8	894.4	891.1	892.7	885.4	879.6	864.9	849.3	826.3	793.6	759.9
45°	800.1	799.3	797.6	796.8	791.9	786.2	773.9	755.8	730.4	696.8	656.6
47.5°	705.8	703.4	703.4	704.2	698.4	697.6	687.8	672.2	650.1	617.3	575.5
50°	615.6	614.8	616.5	619.7	615.6	614.0	607.5	596.8	577.1	549.3	509.9
52.5°	534.5	533.7	535.3	539.4	537.8	539.4	532.9	524.7	511.5	484.5	450.1
55°	455.0	455.0	455.0	459.9	459.9	459.9	456.6	451.7	439.4	419.7	387.8
57.5°	372.2	373.0	377.9	378.7	377.9	379.6	378.7	373.8	365.6	351.7	327.1
60°	302.5	302.5	305.0	307.4	306.6	307.4	307.4	305.0	296.8	285.3	265.6
62.5°	239.4	241.8	240.2	241.8	245.1	241.8	240.2	238.6	232.8	225.4	209.0
65°	181.2	182.8	182.8	183.6	182.0	182.8	179.5	177.1	173.8	165.6	154.9
67.5°	137.7	137.7	137.7	137.7	136.9	136.1	135.3	132.8	127.1	123.8	112.3
70°	105.7	100.8	100.8	100.8	100.8	101.7	99.2	95.9	94.3	88.5	80.3
72.5°	70.5	72.1	70.5	70.5	68.9	69.7	66.4	64.8	63.1	59.9	54.9
75°	50.8	46.7	48.4	49.2	46.7	48.4	45.1	41.8	41.8	39.3	36.9
77.5°	32.8	32.0	32.8	33.6	32.8	32.0	30.3	28.7	28.7	27.9	25.4
80°	23.8	22.9	22.9	22.9	22.1	22.9	21.3	21.3	19.7	18.9	17.2
82.5°	15.6	15.6	14.7	15.6	14.7	15.6	13.1	13.1	13.1	12.3	10.7
85°	10.7	9.0	9.0	9.9	8.2	9.9	9.0	8.2	7.4	7.4	6.5
87.5°	4.9	5.7	4.9	5.7	4.9	4.9	5.7	4.9	4.9	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°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9
2.5°	1670.7	1671.5	1671.5	1674.8	1676.4	1677.2	1677.2	1683.8	1681.4	1683.0	1684.6
5°	1646.9	1651.8	1653.5	1653.5	1662.5	1665.8	1669.0	1676.4	1677.2	1682.2	1687.9
7.5°	1624.0	1629.7	1633.0	1640.4	1646.1	1651.8	1661.7	1666.6	1671.5	1678.1	1685.4
10°	1601.8	1608.4	1615.0	1620.7	1629.7	1637.1	1643.6	1655.1	1660.9	1669.9	1679.7
12.5°	1580.5	1589.5	1595.3	1605.1	1615.0	1621.5	1631.4	1642.0	1651.0	1660.0	1671.5
15°	1561.7	1572.3	1578.9	1589.5	1600.2	1609.2	1619.9	1633.0	1639.6	1650.2	1660.9
17.5°	1541.2	1552.7	1560.9	1570.7	1583.8	1593.6	1602.7	1615.8	1624.0	1635.4	1647.7
20°	1519.9	1531.3	1541.2	1551.0	1564.1	1574.0	1584.6	1597.7	1606.8	1618.2	1628.1
22.5°	1494.5	1505.1	1515.7	1527.2	1540.3	1548.5	1560.9	1572.3	1582.2	1592.8	1602.7
25°	1461.7	1474.8	1483.0	1493.6	1504.3	1513.3	1526.4	1537.9	1546.1	1555.9	1564.9
27.5°	1423.1	1433.0	1439.5	1448.5	1459.2	1467.4	1477.2	1488.7	1496.9	1505.9	1512.5
30°	1357.5	1366.6	1372.3	1378.9	1389.5	1396.9	1405.1	1415.7	1421.5	1428.1	1433.8
32.5°	1271.5	1278.8	1282.1	1287.0	1294.4	1301.8	1308.4	1317.4	1319.8	1323.9	1323.9
35°	1146.9	1148.5	1147.7	1149.3	1152.6	1156.7	1162.4	1168.2	1171.4	1171.4	1169.0
37.5°	1000.9	991.1	980.5	972.3	969.8	968.1	971.4	973.9	977.2	978.8	974.7
40°	849.3	827.2	803.4	782.1	767.3	760.8	758.3	759.9	759.9	765.7	765.7
42.5°	719.0	684.5	649.3	617.3	596.0	579.6	572.2	572.2	573.0	577.1	579.6
45°	610.7	567.3	526.3	491.1	461.5	440.2	430.4	427.9	427.1	428.7	434.5
47.5°	527.9	482.9	440.2	396.8	365.6	344.3	335.3	332.0	328.7	332.0	332.8
50°	463.2	416.5	371.4	327.9	295.1	276.3	264.8	259.9	259.0	259.0	260.7
52.5°	404.1	360.7	315.6	271.4	236.9	218.9	208.2	205.8	202.5	205.8	205.8
55°	348.4	305.0	260.7	218.9	190.2	171.3	161.5	158.2	156.6	159.0	159.0
57.5°	287.8	250.8	209.9	172.2	143.5	130.3	123.0	118.9	118.0	119.7	118.0
60°	236.1	205.0	169.7	135.3	113.1	99.2	93.5	91.8	90.2	91.8	91.8
62.5°	186.9	160.7	132.0	105.7	86.9	77.1	70.5	70.5	69.7	69.7	70.5
65°	138.5	118.0	97.5	75.4	60.7	53.3	48.4	48.4	47.5	48.4	47.5
67.5°	100.8	86.9	70.5	54.9	43.5	39.3	36.1	33.6	35.3	33.6	32.8
70°	73.8	62.3	50.8	41.8	33.6	29.5	27.1	26.2	24.6	24.6	24.6
72.5°	49.2	41.8	34.4	27.1	22.1	18.0	17.2	15.6	13.9	14.7	16.4
75°	32.8	27.9	24.6	19.7	14.7	14.7	9.9	9.9	8.2	9.9	7.4
77.5°	22.9	18.9	14.7	12.3	9.9	9.0	6.5	6.5	5.7	5.7	5.7
80°	16.4	13.9	10.7	9.0	6.5	6.5	5.7	4.9	4.1	4.1	4.9
82.5°	9.9	7.4	7.4	6.5	4.1	3.3	2.5	3.3	1.7	1.7	1.7
85°	5.7	4.9	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°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9
2.5°	1688.7	1687.9	1689.6	1689.6	1694.5	1693.6	1696.1	1696.1	1694.5	1695.3	1698.6
5°	1694.5	1696.9	1701.8	1706.0	1713.3	1716.6	1720.7	1724.8	1725.6	1728.1	1730.6
7.5°	1694.5	1702.7	1708.4	1715.8	1725.6	1731.4	1740.4	1747.8	1751.0	1755.1	1760.0
10°	1691.2	1699.4	1710.0	1718.2	1730.6	1739.6	1748.6	1760.0	1765.0	1771.5	1778.1
12.5°	1684.6	1693.6	1705.1	1715.8	1729.7	1737.9	1749.4	1760.0	1767.4	1776.4	1783.8
15°	1674.8	1685.4	1696.1	1706.8	1721.5	1731.4	1742.0	1754.3	1761.7	1771.5	1778.1
17.5°	1659.2	1670.7	1680.5	1690.4	1704.3	1715.8	1725.6	1737.1	1744.5	1752.7	1761.7
20°	1640.4	1651.0	1661.7	1669.9	1683.8	1693.6	1704.3	1715.0	1720.7	1722.4	1736.3
22.5°	1616.6	1624.0	1632.2	1645.3	1653.5	1662.5	1672.3	1682.2	1687.9	1696.9	1701.8
25°	1577.2	1584.6	1593.6	1599.4	1609.2	1616.6	1626.4	1637.1	1640.4	1646.9	1651.8
27.5°	1522.3	1526.4	1530.5	1535.4	1541.2	1545.3	1551.0	1555.9	1559.2	1562.5	1565.8
30°	1435.4	1435.4	1435.4	1432.1	1434.6	1437.1	1437.9	1437.1	1437.1	1436.3	1436.3
32.5°	1320.6	1314.1	1306.7	1300.2	1297.7	1294.4	1292.8	1290.3	1286.2	1283.8	1284.6
35°	1165.7	1151.0	1141.9	1133.7	1127.2	1122.3	1119.8	1117.4	1116.5	1113.3	1110.0
37.5°	972.3	961.6	955.0	950.1	944.4	939.5	940.3	941.1	943.5	941.9	942.7
40°	767.3	764.8	767.3	761.6	759.9	761.6	765.7	771.4	774.7	778.0	783.7
42.5°	583.7	587.8	593.5	593.5	596.0	599.3	604.2	613.2	618.1	623.8	630.4
45°	439.4	444.3	451.7	454.1	455.8	459.9	465.6	473.0	476.3	481.2	486.9
47.5°	338.6	341.8	345.9	350.0	354.1	355.8	361.5	361.5	365.6	368.9	370.5
50°	264.0	267.2	270.5	273.0	274.6	277.1	278.7	281.2	282.0	283.6	284.4
52.5°	206.6	210.7	210.7	212.3	214.8	217.2	216.4	217.2	218.0	218.0	220.5
55°	161.5	161.5	164.0	164.0	165.6	164.8	165.6	165.6	165.6	165.6	166.4
57.5°	120.5	121.3	123.8	122.1	121.3	123.0	121.3	123.0	122.1	123.8	121.3
60°	92.6	92.6	93.5	93.5	94.3	94.3	94.3	93.5	93.5	92.6	92.6
62.5°	69.7	70.5	71.3	70.5	70.5	70.5	69.7	69.7	68.9	68.0	68.0
65°	46.7	45.9	47.5	45.9	46.7	46.7	45.9	46.7	44.3	45.1	44.3
67.5°	33.6	32.8	32.0	32.8	32.0	31.1	31.1	32.0	32.8	30.3	30.3
70°	22.1	22.9	22.1	22.9	23.8	23.8	22.9	22.1	22.9	21.3	22.1
72.5°	13.9	13.9	13.9	13.9	13.9	14.7	14.7	14.7	13.1	13.1	12.3
75°	6.5	9.0	7.4	6.5	9.0	9.0	8.2	8.2	7.4	7.4	7.4
77.5°	6.5	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.1	4.9	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: P245007

CATALOG NUMBER: LD8B30D010 ER8B30950 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9
2.5°	1697.8	1696.9	1697.8	1698.6	1697.8	1696.9	1697.8	1698.6	1695.3	1694.5	1696.1
5°	1733.8	1733.8	1735.4	1736.3	1735.4	1733.8	1733.8	1730.6	1728.1	1725.6	1724.8
7.5°	1765.0	1766.6	1768.2	1769.1	1768.2	1766.6	1765.0	1760.0	1755.1	1751.0	1747.8
10°	1783.8	1786.3	1789.6	1791.2	1789.6	1786.3	1783.8	1778.1	1771.5	1765.0	1760.0
12.5°	1792.0	1794.5	1798.6	1797.8	1798.6	1794.5	1792.0	1783.8	1776.4	1767.4	1760.0
15°	1786.3	1789.6	1793.7	1795.3	1793.7	1789.6	1786.3	1778.1	1771.5	1761.7	1754.3
17.5°	1768.2	1773.2	1775.6	1778.1	1775.6	1773.2	1768.2	1761.7	1752.7	1744.5	1737.1
20°	1743.6	1747.0	1750.2	1751.0	1750.2	1747.0	1743.6	1736.3	1722.4	1720.7	1715.0
22.5°	1708.4	1710.9	1718.2	1715.8	1718.2	1710.9	1708.4	1701.8	1696.9	1687.9	1682.2
25°	1657.6	1660.0	1660.9	1661.7	1660.9	1660.0	1657.6	1651.8	1646.9	1640.4	1637.1
27.5°	1569.9	1569.9	1571.5	1572.3	1571.5	1569.9	1569.9	1565.8	1562.5	1559.2	1555.9
30°	1437.1	1437.1	1437.1	1441.2	1437.1	1437.1	1437.1	1436.3	1436.3	1437.1	1437.1
32.5°	1283.8	1282.1	1280.5	1282.1	1280.5	1282.1	1283.8	1284.6	1283.8	1286.2	1290.3
35°	1110.0	1109.2	1111.6	1108.3	1111.6	1109.2	1110.0	1110.0	1113.3	1116.5	1117.4
37.5°	943.5	941.9	945.2	941.9	945.2	941.9	943.5	942.7	941.9	943.5	941.1
40°	785.4	787.0	787.0	793.6	787.0	787.0	785.4	783.7	778.0	774.7	771.4
42.5°	633.7	638.6	637.0	641.9	637.0	638.6	633.7	630.4	623.8	618.1	613.2
45°	490.2	493.5	493.5	495.1	493.5	493.5	490.2	486.9	481.2	476.3	473.0
47.5°	376.3	376.3	376.3	377.1	376.3	376.3	376.3	370.5	368.9	365.6	361.5
50°	286.1	286.9	287.8	288.6	287.8	286.9	286.1	284.4	283.6	282.0	281.2
52.5°	219.7	220.5	218.9	220.5	218.9	220.5	219.7	220.5	218.0	218.0	217.2
55°	166.4	165.6	166.4	167.2	166.4	165.6	166.4	166.4	165.6	165.6	165.6
57.5°	122.1	120.5	120.5	120.5	120.5	120.5	122.1	121.3	123.8	122.1	123.0
60°	91.0	91.8	91.8	92.6	91.8	91.8	91.0	92.6	92.6	93.5	93.5
62.5°	67.2	69.7	68.0	69.7	68.0	69.7	67.2	68.0	68.0	68.9	69.7
65°	43.5	43.5	43.5	44.3	43.5	43.5	43.5	44.3	45.1	44.3	46.7
67.5°	29.5	30.3	32.0	31.1	32.0	30.3	29.5	30.3	30.3	32.8	32.0
70°	23.8	21.3	21.3	23.8	21.3	21.3	23.8	22.1	21.3	22.9	22.1
72.5°	13.9	12.3	13.9	13.9	13.9	12.3	13.9	12.3	13.1	13.1	14.7
75°	7.4	6.5	5.7	8.2	5.7	6.5	7.4	7.4	7.4	7.4	8.2
77.5°	4.9	4.1	5.7	5.7	5.7	4.1	4.9	4.1	4.9	4.1	4.9
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: P245007

CATALOG NUMBER: LD8B30D010 ER8B30950 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9
2.5°	1696.1	1693.6	1694.5	1689.6	1689.6	1687.9	1688.7	1684.6	1683.0	1681.4	1683.8
5°	1720.7	1716.6	1713.3	1706.0	1701.8	1696.9	1694.5	1687.9	1682.2	1677.2	1676.4
7.5°	1740.4	1731.4	1725.6	1715.8	1708.4	1702.7	1694.5	1685.4	1678.1	1671.5	1666.6
10°	1748.6	1739.6	1730.6	1718.2	1710.0	1699.4	1691.2	1679.7	1669.9	1660.9	1655.1
12.5°	1749.4	1737.9	1729.7	1715.8	1705.1	1693.6	1684.6	1671.5	1660.0	1651.0	1642.0
15°	1742.0	1731.4	1721.5	1706.8	1696.1	1685.4	1674.8	1660.9	1650.2	1639.6	1633.0
17.5°	1725.6	1715.8	1704.3	1690.4	1680.5	1670.7	1659.2	1647.7	1635.4	1624.0	1615.8
20°	1704.3	1693.6	1683.8	1669.9	1661.7	1651.0	1640.4	1628.1	1618.2	1606.8	1597.7
22.5°	1672.3	1662.5	1653.5	1645.3	1632.2	1624.0	1616.6	1602.7	1592.8	1582.2	1572.3
25°	1626.4	1616.6	1609.2	1599.4	1593.6	1584.6	1577.2	1564.9	1555.9	1546.1	1537.9
27.5°	1551.0	1545.3	1541.2	1535.4	1530.5	1526.4	1522.3	1512.5	1505.9	1496.9	1488.7
30°	1437.9	1437.1	1434.6	1432.1	1435.4	1435.4	1435.4	1433.8	1428.1	1421.5	1415.7
32.5°	1292.8	1294.4	1297.7	1300.2	1306.7	1314.1	1320.6	1323.9	1323.9	1319.8	1317.4
35°	1119.8	1122.3	1127.2	1133.7	1141.9	1151.0	1165.7	1169.0	1171.4	1171.4	1168.2
37.5°	940.3	939.5	944.4	950.1	955.0	961.6	972.3	974.7	978.8	977.2	973.9
40°	765.7	761.6	759.9	761.6	767.3	764.8	767.3	765.7	765.7	759.9	759.9
42.5°	604.2	599.3	596.0	593.5	593.5	587.8	583.7	579.6	577.1	573.0	572.2
45°	465.6	459.9	455.8	454.1	451.7	444.3	439.4	434.5	428.7	427.1	427.9
47.5°	361.5	355.8	354.1	350.0	345.9	341.8	338.6	332.8	332.0	328.7	332.0
50°	278.7	277.1	274.6	273.0	270.5	267.2	264.0	260.7	259.0	259.0	259.9
52.5°	216.4	217.2	214.8	212.3	210.7	210.7	206.6	205.8	205.8	202.5	205.8
55°	165.6	164.8	165.6	164.0	164.0	161.5	161.5	159.0	159.0	156.6	158.2
57.5°	121.3	123.0	121.3	122.1	123.8	121.3	120.5	118.0	119.7	118.0	118.9
60°	94.3	94.3	94.3	93.5	93.5	92.6	92.6	91.8	91.8	90.2	91.8
62.5°	69.7	70.5	70.5	70.5	71.3	70.5	69.7	70.5	69.7	69.7	70.5
65°	45.9	46.7	46.7	45.9	47.5	45.9	46.7	47.5	48.4	47.5	48.4
67.5°	31.1	31.1	32.0	32.8	32.0	32.8	33.6	32.8	33.6	35.3	33.6
70°	22.9	23.8	23.8	22.9	22.1	22.9	22.1	24.6	24.6	24.6	26.2
72.5°	14.7	14.7	13.9	13.9	13.9	13.9	13.9	16.4	14.7	13.9	15.6
75°	8.2	9.0	9.0	6.5	7.4	9.0	6.5	7.4	9.9	8.2	9.9
77.5°	4.9	4.9	4.9	4.9	4.9	4.9	6.5	5.7	5.7	5.7	6.5
80°	4.1	3.3	3.3	2.5	3.3	3.3	3.3	4.9	4.1	4.1	4.9
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: P245007

CATALOG NUMBER: LD8B30D010 ER8B30950 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9
2.5°	1677.2	1677.2	1676.4	1674.8	1671.5	1671.5	1670.7	1668.2	1666.6	1665.8	1665.8
5°	1669.0	1665.8	1662.5	1653.5	1653.5	1651.8	1646.9	1643.6	1642.0	1637.9	1636.3
7.5°	1661.7	1651.8	1646.1	1640.4	1633.0	1629.7	1624.0	1621.5	1615.8	1611.7	1609.2
10°	1643.6	1637.1	1629.7	1620.7	1615.0	1608.4	1601.8	1596.9	1589.5	1585.4	1582.2
12.5°	1631.4	1621.5	1615.0	1605.1	1595.3	1589.5	1580.5	1574.8	1567.4	1559.2	1554.3
15°	1619.9	1609.2	1600.2	1589.5	1578.9	1572.3	1561.7	1555.1	1544.5	1536.3	1530.5
17.5°	1602.7	1593.6	1583.8	1570.7	1560.9	1552.7	1541.2	1533.0	1523.1	1512.5	1506.7
20°	1584.6	1574.0	1564.1	1551.0	1541.2	1531.3	1519.9	1510.9	1499.3	1489.5	1483.0
22.5°	1560.9	1548.5	1540.3	1527.2	1515.7	1505.1	1494.5	1483.8	1473.1	1464.9	1457.5
25°	1526.4	1513.3	1504.3	1493.6	1483.0	1474.8	1461.7	1455.1	1444.5	1437.1	1429.7
27.5°	1477.2	1467.4	1459.2	1448.5	1439.5	1433.0	1423.1	1416.6	1407.5	1401.0	1395.3
30°	1405.1	1396.9	1389.5	1378.9	1372.3	1366.6	1357.5	1351.8	1345.2	1337.9	1336.2
32.5°	1308.4	1301.8	1294.4	1287.0	1282.1	1278.8	1271.5	1268.2	1261.6	1257.5	1253.4
35°	1162.4	1156.7	1152.6	1149.3	1147.7	1148.5	1146.9	1150.1	1151.8	1151.0	1151.8
37.5°	971.4	968.1	969.8	972.3	980.5	991.1	1000.9	1015.7	1025.5	1035.4	1044.4
40°	758.3	760.8	767.3	782.1	803.4	827.2	849.3	877.2	905.0	924.7	942.7
42.5°	572.2	579.6	596.0	617.3	649.3	684.5	719.0	759.9	793.6	826.3	849.3
45°	430.4	440.2	461.5	491.1	526.3	567.3	610.7	656.6	696.8	730.4	755.8
47.5°	335.3	344.3	365.6	396.8	440.2	482.9	527.9	575.5	617.3	650.1	672.2
50°	264.8	276.3	295.1	327.9	371.4	416.5	463.2	509.9	549.3	577.1	596.8
52.5°	208.2	218.9	236.9	271.4	315.6	360.7	404.1	450.1	484.5	511.5	524.7
55°	161.5	171.3	190.2	218.9	260.7	305.0	348.4	387.8	419.7	439.4	451.7
57.5°	123.0	130.3	143.5	172.2	209.9	250.8	287.8	327.1	351.7	365.6	373.8
60°	93.5	99.2	113.1	135.3	169.7	205.0	236.1	265.6	285.3	296.8	305.0
62.5°	70.5	77.1	86.9	105.7	132.0	160.7	186.9	209.0	225.4	232.8	238.6
65°	48.4	53.3	60.7	75.4	97.5	118.0	138.5	154.9	165.6	173.8	177.1
67.5°	36.1	39.3	43.5	54.9	70.5	86.9	100.8	112.3	123.8	127.1	132.8
70°	27.1	29.5	33.6	41.8	50.8	62.3	73.8	80.3	88.5	94.3	95.9
72.5°	17.2	18.0	22.1	27.1	34.4	41.8	49.2	54.9	59.9	63.1	64.8
75°	9.9	14.7	14.7	19.7	24.6	27.9	32.8	36.9	39.3	41.8	41.8
77.5°	6.5	9.0	9.9	12.3	14.7	18.9	22.9	25.4	27.9	28.7	28.7
80°	5.7	6.5	6.5	9.0	10.7	13.9	16.4	17.2	18.9	19.7	21.3
82.5°	2.5	3.3	4.1	6.5	7.4	7.4	9.9	10.7	12.3	13.1	13.1
85°	0.8	1.7	1.7	2.5	4.1	4.9	5.7	6.5	7.4	7.4	8.2
87.5°	0.8	0.8	0.0	0.8	1.7	1.7	3.3	3.3	3.3	4.9	4.9
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: P245007

CATALOG NUMBER: LD8B30D010 ER8B30950 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9
2.5°	1664.1	1665.0	1661.7	1660.9	1659.2	1660.0	1661.7
5°	1633.8	1634.6	1631.4	1628.1	1628.1	1627.2	1628.1
7.5°	1605.1	1605.9	1601.0	1599.4	1596.1	1596.9	1596.9
10°	1576.4	1576.4	1569.1	1568.2	1565.8	1564.9	1564.9
12.5°	1548.5	1546.1	1540.3	1537.1	1538.7	1533.8	1533.8
15°	1523.9	1519.9	1512.5	1510.0	1505.9	1504.3	1504.3
17.5°	1498.5	1495.3	1488.7	1483.8	1478.9	1478.1	1478.9
20°	1473.9	1470.7	1462.5	1459.2	1455.1	1455.1	1453.5
22.5°	1449.3	1446.1	1438.7	1436.3	1430.5	1430.5	1431.3
25°	1423.9	1421.5	1413.3	1411.7	1410.8	1407.5	1409.2
27.5°	1389.5	1387.9	1381.3	1378.9	1375.6	1374.8	1376.4
30°	1326.4	1323.9	1319.0	1316.6	1310.8	1311.6	1313.3
32.5°	1247.7	1244.4	1237.8	1235.4	1230.5	1228.8	1229.6
35°	1149.3	1146.9	1141.1	1141.1	1136.2	1134.6	1136.2
37.5°	1049.3	1051.8	1049.3	1051.8	1049.3	1048.5	1049.3
40°	955.0	964.1	965.7	974.7	971.4	976.3	975.5
42.5°	864.9	879.6	885.4	892.7	891.1	894.4	896.8
45°	773.9	786.2	791.9	796.8	797.6	799.3	800.1
47.5°	687.8	697.6	698.4	704.2	703.4	703.4	705.8
50°	607.5	614.0	615.6	619.7	616.5	614.8	615.6
52.5°	532.9	539.4	537.8	539.4	535.3	533.7	534.5
55°	456.6	459.9	459.9	459.9	455.0	455.0	455.0
57.5°	378.7	379.6	377.9	378.7	377.9	373.0	372.2
60°	307.4	307.4	306.6	307.4	305.0	302.5	302.5
62.5°	240.2	241.8	245.1	241.8	240.2	241.8	239.4
65°	179.5	182.8	182.0	183.6	182.8	182.8	181.2
67.5°	135.3	136.1	136.9	137.7	137.7	137.7	137.7
70°	99.2	101.7	100.8	100.8	100.8	100.8	105.7
72.5°	66.4	69.7	68.9	70.5	70.5	72.1	70.5
75°	45.1	48.4	46.7	49.2	48.4	46.7	50.8
77.5°	30.3	32.0	32.8	33.6	32.8	32.0	32.8
80°	21.3	22.9	22.1	22.9	22.9	22.9	23.8
82.5°	13.1	15.6	14.7	15.6	14.7	15.6	15.6
85°	9.0	9.9	8.2	9.9	9.0	9.0	10.7
87.5°	5.7	4.9	4.9	5.7	4.9	5.7	4.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)