

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: P244521

Luminaire Tested: **LD8B30D010 ER8B30827 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244521  
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 ER8B30827 8LBSW0H  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2902.0 lumens  
Efficiency: N/A  
Efficacy: 107.1 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

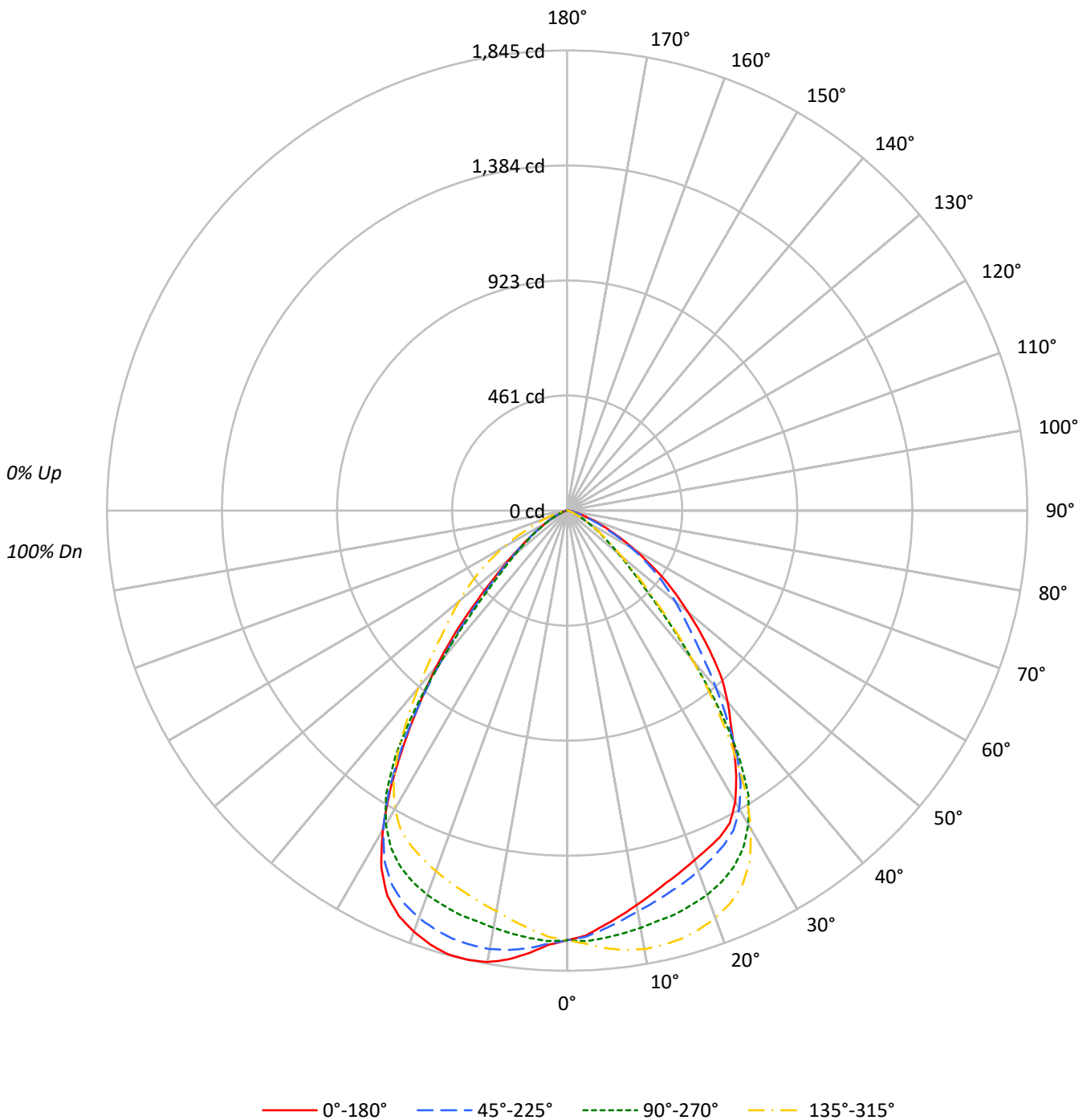
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	53125	53125	53125	53125
5°	51715	53250	55151	53250
10°	50284	53180	57555	53180
15°	49278	53495	58814	53495
20°	48944	53804	58966	53804
25°	49202	53693	58018	53693
30°	47984	51729	52659	51729
35°	43889	45124	42813	45124
40°	40298	31390	32779	31390
45°	35803	19149	22158	19149
50°	30304	12794	14205	12794
55°	25101	8731	9225	8731
60°	19143	5810	5859	5810
65°	13564	3619	3313	3619
70°	9782	2425	2200	2425
75°	6207	1203	1001	1203
80°	4333	906	746	906
85°	3856	0	283	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	164.0	5.7
10°-20°	474.9	16.4
20°-30°	719.0	24.8
30°-40°	720.6	24.8
40°-50°	452.5	15.6
50°-60°	241.1	8.3
60°-70°	99.2	3.4
70°-80°	26.2	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°	1357.9	46.8
0°-40°	2078.5	71.6
0°-60°	2772.2	95.5
0°-90°	2902.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2902.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1723	1723	1723	1723	1723	
5°	1671	1720	1782	1720	1671	158
15°	1544	1676	1842	1676	1544	437
25°	1446	1578	1705	1578	1446	663
35°	1166	1199	1137	1199	1166	730
45°	821	439	508	439	821	631
55°	467	162	172	162	467	416
65°	186	50	45	50	186	193
75°	52	10	8	10	52	59
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°	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8
2.5°	1705.2	1703.5	1702.6	1704.3	1705.2	1708.5	1707.7	1709.4	1709.4	1710.2	1711.9
5°	1670.7	1669.8	1670.7	1670.7	1674.0	1677.4	1676.6	1679.1	1680.8	1685.0	1686.6
7.5°	1638.7	1638.7	1637.9	1641.2	1642.9	1648.0	1647.1	1651.3	1653.9	1658.0	1663.9
10°	1605.9	1605.9	1606.7	1609.3	1610.1	1617.7	1617.7	1623.6	1626.9	1631.1	1638.7
12.5°	1573.9	1573.9	1579.0	1577.3	1580.7	1586.5	1589.1	1595.0	1600.0	1608.4	1616.0
15°	1543.6	1543.6	1545.3	1549.5	1552.1	1559.6	1563.8	1570.6	1576.5	1584.9	1595.8
17.5°	1517.6	1516.7	1517.6	1522.6	1527.7	1534.4	1537.8	1546.2	1552.1	1563.0	1573.1
20°	1491.5	1493.2	1493.2	1497.4	1500.7	1509.2	1512.5	1521.8	1528.5	1538.6	1550.4
22.5°	1468.8	1467.9	1467.9	1473.8	1476.4	1483.9	1487.3	1495.7	1503.3	1511.7	1522.6
25°	1446.1	1444.4	1447.8	1448.6	1450.3	1458.7	1461.2	1467.1	1474.7	1482.2	1493.2
27.5°	1412.4	1410.7	1411.6	1414.9	1417.5	1424.2	1425.9	1431.8	1437.7	1444.4	1453.6
30°	1347.6	1346.0	1345.1	1351.0	1353.5	1358.6	1361.1	1371.2	1372.9	1380.4	1387.2
32.5°	1261.8	1261.0	1262.7	1267.7	1270.2	1277.0	1280.3	1286.2	1290.4	1294.6	1301.4
35°	1165.9	1164.2	1165.9	1171.0	1171.0	1176.9	1179.4	1181.9	1181.1	1181.9	1180.2
37.5°	1076.8	1075.9	1076.8	1079.3	1076.8	1079.3	1076.8	1071.7	1062.5	1052.4	1042.3
40°	1001.1	1001.9	996.9	1000.2	990.9	989.3	980.0	967.4	948.9	928.7	900.1
42.5°	920.3	917.8	914.4	916.1	908.5	902.6	887.5	871.5	847.9	814.3	779.8
45°	821.0	820.2	818.5	817.7	812.6	806.7	794.1	775.6	749.5	715.1	673.8
47.5°	724.3	721.8	721.8	722.6	716.7	715.9	705.8	689.8	667.1	633.4	590.5
50°	631.7	630.9	632.6	636.0	631.7	630.1	623.4	612.4	592.2	563.6	523.2
52.5°	548.5	547.6	549.3	553.5	551.8	553.5	546.8	538.4	524.9	497.2	461.8
55°	466.9	466.9	466.9	471.9	471.9	471.9	468.6	463.5	450.9	430.7	397.9
57.5°	381.9	382.8	387.8	388.6	387.8	389.5	388.6	383.6	375.2	360.9	335.7
60°	310.4	310.4	312.9	315.5	314.6	315.5	315.5	312.9	304.5	292.8	272.6
62.5°	245.6	248.2	246.5	248.2	251.5	248.2	246.5	244.8	238.9	231.3	214.5
65°	185.9	187.6	187.6	188.4	186.7	187.6	184.2	181.7	178.4	169.9	159.0
67.5°	141.3	141.3	141.3	141.3	140.5	139.6	138.8	136.3	130.4	127.0	115.2
70°	108.5	103.5	103.5	103.5	103.5	104.3	101.8	98.4	96.7	90.9	82.4
72.5°	72.3	74.0	72.3	72.3	70.7	71.5	68.1	66.4	64.8	61.4	56.4
75°	52.1	48.0	49.6	50.5	48.0	49.6	46.3	42.9	42.9	40.4	37.8
77.5°	33.7	32.8	33.7	34.5	33.7	32.8	31.1	29.4	29.4	28.6	26.1
80°	24.4	23.5	23.5	23.5	22.7	23.5	21.9	21.9	20.2	19.4	17.7
82.5°	16.0	16.0	15.1	16.0	15.1	16.0	13.5	13.5	13.5	12.6	10.9
85°	10.9	9.2	9.2	10.1	8.4	10.1	9.2	8.4	7.6	7.6	6.7
87.5°	5.1	5.9	5.1	5.9	5.1	5.1	5.9	5.1	5.1	3.4	3.4
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°	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8
2.5°	1714.4	1715.2	1715.2	1718.6	1720.3	1721.1	1721.1	1727.9	1725.4	1727.0	1728.7
5°	1690.0	1695.1	1696.8	1696.8	1706.0	1709.4	1712.7	1720.3	1721.1	1726.2	1732.1
7.5°	1666.5	1672.3	1675.7	1683.3	1689.2	1695.1	1705.2	1710.2	1715.2	1722.0	1729.5
10°	1643.7	1650.5	1657.2	1663.1	1672.3	1679.9	1686.6	1698.4	1704.3	1713.6	1723.7
12.5°	1621.9	1631.1	1637.0	1647.1	1657.2	1663.9	1674.0	1685.0	1694.2	1703.5	1715.2
15°	1602.5	1613.5	1620.2	1631.1	1642.1	1651.3	1662.3	1675.7	1682.5	1693.4	1704.3
17.5°	1581.5	1593.3	1601.7	1611.8	1625.3	1635.3	1644.6	1658.0	1666.5	1678.2	1690.9
20°	1559.6	1571.4	1581.5	1591.6	1605.1	1615.1	1626.1	1639.6	1648.8	1660.6	1670.7
22.5°	1533.6	1544.5	1555.4	1567.2	1580.7	1589.1	1601.7	1613.5	1623.6	1634.5	1644.6
25°	1499.9	1513.4	1521.8	1532.7	1543.6	1552.9	1566.4	1578.1	1586.5	1596.7	1605.9
27.5°	1460.4	1470.5	1477.2	1486.4	1497.4	1505.8	1515.9	1527.7	1536.1	1545.3	1552.1
30°	1393.1	1402.3	1408.2	1414.9	1425.9	1433.5	1441.9	1452.8	1458.7	1465.4	1471.3
32.5°	1304.7	1312.3	1315.7	1320.7	1328.3	1335.9	1342.6	1351.8	1354.4	1358.6	1358.6
35°	1176.9	1178.5	1177.7	1179.4	1182.8	1187.0	1192.8	1198.7	1202.1	1202.1	1199.6
37.5°	1027.1	1017.1	1006.1	997.7	995.2	993.5	996.9	999.4	1002.8	1004.4	1000.2
40°	871.5	848.8	824.4	802.5	787.4	780.7	778.1	779.8	779.8	785.7	785.7
42.5°	737.8	702.4	666.3	633.4	611.6	594.8	587.2	587.2	588.0	592.2	594.8
45°	626.7	582.1	540.1	503.9	473.6	451.7	441.6	439.1	438.3	440.0	445.8
47.5°	541.8	495.5	451.7	407.2	375.2	353.3	344.1	340.7	337.3	340.7	341.5
50°	475.3	427.3	381.1	336.5	302.8	283.5	271.7	266.7	265.8	265.8	267.5
52.5°	414.7	370.1	323.9	278.5	243.1	224.6	213.7	211.1	207.8	211.1	211.1
55°	357.5	312.9	267.5	224.6	195.1	175.8	165.7	162.4	160.7	163.2	163.2
57.5°	295.3	257.4	215.4	176.7	147.2	133.8	126.2	122.0	121.1	122.8	121.1
60°	242.3	210.3	174.1	138.8	116.1	101.8	95.9	94.2	92.5	94.2	94.2
62.5°	191.8	164.9	135.4	108.5	89.2	79.1	72.3	72.3	71.5	71.5	72.3
65°	142.2	121.1	100.1	77.4	62.3	54.7	49.6	49.6	48.8	49.6	48.8
67.5°	103.5	89.2	72.3	56.4	44.6	40.4	37.0	34.5	36.2	34.5	33.7
70°	75.7	63.9	52.1	42.9	34.5	30.3	27.8	26.9	25.2	25.2	25.2
72.5°	50.5	42.9	35.3	27.8	22.7	18.5	17.7	16.0	14.3	15.1	16.8
75°	33.7	28.6	25.2	20.2	15.1	15.1	10.1	10.1	8.4	10.1	7.6
77.5°	23.5	19.4	15.1	12.6	10.1	9.2	6.7	6.7	5.9	5.9	5.9
80°	16.8	14.3	10.9	9.2	6.7	6.7	5.9	5.1	4.2	4.2	5.1
82.5°	10.1	7.6	7.6	6.7	4.2	3.4	2.5	3.4	1.7	1.7	1.7
85°	5.9	5.1	4.2	2.5	1.7	1.7	0.8	0.0	0.8	0.8	0.0
87.5°	3.4	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°	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8
2.5°	1732.9	1732.1	1733.8	1733.8	1738.8	1738.0	1740.5	1740.5	1738.8	1739.7	1743.0
5°	1738.8	1741.4	1746.4	1750.6	1758.1	1761.5	1765.7	1770.0	1770.8	1773.3	1775.8
7.5°	1738.8	1747.2	1753.1	1760.7	1770.8	1776.7	1785.9	1793.5	1796.9	1801.0	1806.1
10°	1735.4	1743.8	1754.8	1763.2	1775.8	1785.1	1794.3	1806.1	1811.2	1817.9	1824.6
12.5°	1728.7	1738.0	1749.7	1760.7	1775.0	1783.4	1795.2	1806.1	1813.7	1822.9	1830.5
15°	1718.6	1729.5	1740.5	1751.4	1766.6	1776.7	1787.6	1800.2	1807.8	1817.9	1824.6
17.5°	1702.6	1714.4	1724.5	1734.6	1748.9	1760.7	1770.8	1782.6	1790.1	1798.6	1807.8
20°	1683.3	1694.2	1705.2	1713.6	1727.9	1738.0	1748.9	1759.8	1765.7	1767.4	1781.7
22.5°	1658.9	1666.5	1674.9	1688.3	1696.8	1706.0	1716.1	1726.2	1732.1	1741.4	1746.4
25°	1618.5	1626.1	1635.3	1641.2	1651.3	1658.9	1669.0	1679.9	1683.3	1690.0	1695.1
27.5°	1562.2	1566.4	1570.6	1575.6	1581.5	1585.7	1591.6	1596.7	1600.0	1603.4	1606.7
30°	1473.0	1473.0	1473.0	1469.6	1472.1	1474.7	1475.5	1474.7	1474.7	1473.8	1473.8
32.5°	1355.2	1348.5	1340.9	1334.2	1331.7	1328.3	1326.6	1324.1	1319.9	1317.4	1318.2
35°	1196.2	1181.1	1171.8	1163.4	1156.7	1151.6	1149.1	1146.6	1145.8	1142.4	1139.0
37.5°	997.7	986.8	980.0	975.0	969.1	964.0	964.9	965.7	968.2	966.6	967.4
40°	787.4	784.9	787.4	781.5	779.8	781.5	785.7	791.6	795.0	798.3	804.2
42.5°	599.0	603.1	609.1	609.1	611.6	614.9	620.0	629.2	634.3	640.2	646.9
45°	450.9	455.9	463.5	466.0	467.7	471.9	477.8	485.4	488.7	493.8	499.7
47.5°	347.4	350.8	355.0	359.2	363.4	365.1	371.0	371.0	375.2	378.6	380.2
50°	270.9	274.2	277.6	280.1	281.8	284.3	286.0	288.5	289.4	291.1	291.9
52.5°	212.0	216.2	216.2	217.9	220.4	222.9	222.1	222.9	223.7	223.7	226.3
55°	165.7	165.7	168.2	168.2	169.9	169.1	169.9	169.9	169.9	169.9	170.8
57.5°	123.6	124.5	127.0	125.3	124.5	126.2	124.5	126.2	125.3	127.0	124.5
60°	95.0	95.0	95.9	95.9	96.7	96.7	96.7	95.9	95.9	95.0	95.0
62.5°	71.5	72.3	73.2	72.3	72.3	72.3	71.5	71.5	70.7	69.8	69.8
65°	48.0	47.1	48.8	47.1	48.0	48.0	47.1	48.0	45.4	46.3	45.4
67.5°	34.5	33.7	32.8	33.7	32.8	32.0	32.0	32.8	33.7	31.1	31.1
70°	22.7	23.5	22.7	23.5	24.4	24.4	23.5	22.7	23.5	21.9	22.7
72.5°	14.3	14.3	14.3	14.3	14.3	15.1	15.1	15.1	13.5	13.5	12.6
75°	6.7	9.2	7.6	6.7	9.2	9.2	8.4	8.4	7.6	7.6	7.6
77.5°	6.7	5.1	5.1	5.1	5.1	5.1	5.1	5.1	4.2	5.1	4.2
80°	3.4	3.4	3.4	2.5	3.4	3.4	4.2	3.4	3.4	2.5	4.2
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: P244521

CATALOG NUMBER: LD8B30D010 ER8B30827 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8
2.5°	1742.2	1741.4	1742.2	1743.0	1742.2	1741.4	1742.2	1743.0	1739.7	1738.8	1740.5
5°	1779.2	1779.2	1780.9	1781.7	1780.9	1779.2	1779.2	1775.8	1773.3	1770.8	1770.0
7.5°	1811.2	1812.9	1814.5	1815.3	1814.5	1812.9	1811.2	1806.1	1801.0	1796.9	1793.5
10°	1830.5	1833.0	1836.4	1838.1	1836.4	1833.0	1830.5	1824.6	1817.9	1811.2	1806.1
12.5°	1838.9	1841.5	1845.6	1844.8	1845.6	1841.5	1838.9	1830.5	1822.9	1813.7	1806.1
15°	1833.0	1836.4	1840.6	1842.3	1840.6	1836.4	1833.0	1824.6	1817.9	1807.8	1800.2
17.5°	1814.5	1819.6	1822.1	1824.6	1822.1	1819.6	1814.5	1807.8	1798.6	1790.1	1782.6
20°	1789.3	1792.7	1796.0	1796.9	1796.0	1792.7	1789.3	1781.7	1767.4	1765.7	1759.8
22.5°	1753.1	1755.7	1763.2	1760.7	1763.2	1755.7	1753.1	1746.4	1741.4	1732.1	1726.2
25°	1700.9	1703.5	1704.3	1705.2	1704.3	1703.5	1700.9	1695.1	1690.0	1683.3	1679.9
27.5°	1611.0	1611.0	1612.6	1613.5	1612.6	1611.0	1611.0	1606.7	1603.4	1600.0	1596.7
30°	1474.7	1474.7	1474.7	1478.9	1474.7	1474.7	1474.7	1473.8	1473.8	1474.7	1474.7
32.5°	1317.4	1315.7	1314.0	1315.7	1314.0	1315.7	1317.4	1318.2	1317.4	1319.9	1324.1
35°	1139.0	1138.2	1140.7	1137.3	1140.7	1138.2	1139.0	1139.0	1142.4	1145.8	1146.6
37.5°	968.2	966.6	969.9	966.6	969.9	966.6	968.2	967.4	966.6	968.2	965.7
40°	805.9	807.6	807.6	814.3	807.6	807.6	805.9	804.2	798.3	795.0	791.6
42.5°	650.3	655.3	653.6	658.7	653.6	655.3	650.3	646.9	640.2	634.3	629.2
45°	503.0	506.4	506.4	508.1	506.4	506.4	503.0	499.7	493.8	488.7	485.4
47.5°	386.1	386.1	386.1	387.0	386.1	386.1	386.1	380.2	378.6	375.2	371.0
50°	293.6	294.4	295.3	296.1	295.3	294.4	293.6	291.9	291.1	289.4	288.5
52.5°	225.4	226.3	224.6	226.3	224.6	226.3	225.4	226.3	223.7	223.7	222.9
55°	170.8	169.9	170.8	171.6	170.8	169.9	170.8	170.8	169.9	169.9	169.9
57.5°	125.3	123.6	123.6	123.6	123.6	123.6	125.3	124.5	127.0	125.3	126.2
60°	93.4	94.2	94.2	95.0	94.2	94.2	93.4	95.0	95.0	95.9	95.9
62.5°	69.0	71.5	69.8	71.5	69.8	71.5	69.0	69.8	69.8	70.7	71.5
65°	44.6	44.6	44.6	45.4	44.6	44.6	44.6	45.4	46.3	45.4	48.0
67.5°	30.3	31.1	32.8	32.0	32.8	31.1	30.3	31.1	31.1	33.7	32.8
70°	24.4	21.9	21.9	24.4	21.9	21.9	24.4	22.7	21.9	23.5	22.7
72.5°	14.3	12.6	14.3	14.3	14.3	12.6	14.3	12.6	13.5	13.5	15.1
75°	7.6	6.7	5.9	8.4	5.9	6.7	7.6	7.6	7.6	7.6	8.4
77.5°	5.1	4.2	5.9	5.9	5.9	4.2	5.1	4.2	5.1	4.2	5.1
80°	2.5	3.4	2.5	4.2	2.5	3.4	2.5	4.2	2.5	3.4	3.4
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: P244521

CATALOG NUMBER: LD8B30D010 ER8B30827 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8
2.5°	1740.5	1738.0	1738.8	1733.8	1733.8	1732.1	1732.9	1728.7	1727.0	1725.4	1727.9
5°	1765.7	1761.5	1758.1	1750.6	1746.4	1741.4	1738.8	1732.1	1726.2	1721.1	1720.3
7.5°	1785.9	1776.7	1770.8	1760.7	1753.1	1747.2	1738.8	1729.5	1722.0	1715.2	1710.2
10°	1794.3	1785.1	1775.8	1763.2	1754.8	1743.8	1735.4	1723.7	1713.6	1704.3	1698.4
12.5°	1795.2	1783.4	1775.0	1760.7	1749.7	1738.0	1728.7	1715.2	1703.5	1694.2	1685.0
15°	1787.6	1776.7	1766.6	1751.4	1740.5	1729.5	1718.6	1704.3	1693.4	1682.5	1675.7
17.5°	1770.8	1760.7	1748.9	1734.6	1724.5	1714.4	1702.6	1690.9	1678.2	1666.5	1658.0
20°	1748.9	1738.0	1727.9	1713.6	1705.2	1694.2	1683.3	1670.7	1660.6	1648.8	1639.6
22.5°	1716.1	1706.0	1696.8	1688.3	1674.9	1666.5	1658.9	1644.6	1634.5	1623.6	1613.5
25°	1669.0	1658.9	1651.3	1641.2	1635.3	1626.1	1618.5	1605.9	1596.7	1586.5	1578.1
27.5°	1591.6	1585.7	1581.5	1575.6	1570.6	1566.4	1562.2	1552.1	1545.3	1536.1	1527.7
30°	1475.5	1474.7	1472.1	1469.6	1473.0	1473.0	1473.0	1471.3	1465.4	1458.7	1452.8
32.5°	1326.6	1328.3	1331.7	1334.2	1340.9	1348.5	1355.2	1358.6	1358.6	1354.4	1351.8
35°	1149.1	1151.6	1156.7	1163.4	1171.8	1181.1	1196.2	1199.6	1202.1	1202.1	1198.7
37.5°	964.9	964.0	969.1	975.0	980.0	986.8	997.7	1000.2	1004.4	1002.8	999.4
40°	785.7	781.5	779.8	781.5	787.4	784.9	787.4	785.7	785.7	779.8	779.8
42.5°	620.0	614.9	611.6	609.1	609.1	603.1	599.0	594.8	592.2	588.0	587.2
45°	477.8	471.9	467.7	466.0	463.5	455.9	450.9	445.8	440.0	438.3	439.1
47.5°	371.0	365.1	363.4	359.2	355.0	350.8	347.4	341.5	340.7	337.3	340.7
50°	286.0	284.3	281.8	280.1	277.6	274.2	270.9	267.5	265.8	265.8	266.7
52.5°	222.1	222.9	220.4	217.9	216.2	216.2	212.0	211.1	211.1	207.8	211.1
55°	169.9	169.1	169.9	168.2	168.2	165.7	165.7	163.2	163.2	160.7	162.4
57.5°	124.5	126.2	124.5	125.3	127.0	124.5	123.6	121.1	122.8	121.1	122.0
60°	96.7	96.7	96.7	95.9	95.9	95.0	95.0	94.2	94.2	92.5	94.2
62.5°	71.5	72.3	72.3	72.3	73.2	72.3	71.5	72.3	71.5	71.5	72.3
65°	47.1	48.0	48.0	47.1	48.8	47.1	48.0	48.8	49.6	48.8	49.6
67.5°	32.0	32.0	32.8	33.7	32.8	33.7	34.5	33.7	34.5	36.2	34.5
70°	23.5	24.4	24.4	23.5	22.7	23.5	22.7	25.2	25.2	25.2	26.9
72.5°	15.1	15.1	14.3	14.3	14.3	14.3	14.3	16.8	15.1	14.3	16.0
75°	8.4	9.2	9.2	6.7	7.6	9.2	6.7	7.6	10.1	8.4	10.1
77.5°	5.1	5.1	5.1	5.1	5.1	5.1	6.7	5.9	5.9	5.9	6.7
80°	4.2	3.4	3.4	2.5	3.4	3.4	3.4	5.1	4.2	4.2	5.1
82.5°	1.7	1.7	0.8	0.0	1.7	1.7	1.7	1.7	1.7	1.7	3.4
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: P244521

CATALOG NUMBER: LD8B30D010 ER8B30827 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8
2.5°	1721.1	1721.1	1720.3	1718.6	1715.2	1715.2	1714.4	1711.9	1710.2	1709.4	1709.4
5°	1712.7	1709.4	1706.0	1696.8	1696.8	1695.1	1690.0	1686.6	1685.0	1680.8	1679.1
7.5°	1705.2	1695.1	1689.2	1683.3	1675.7	1672.3	1666.5	1663.9	1658.0	1653.9	1651.3
10°	1686.6	1679.9	1672.3	1663.1	1657.2	1650.5	1643.7	1638.7	1631.1	1626.9	1623.6
12.5°	1674.0	1663.9	1657.2	1647.1	1637.0	1631.1	1621.9	1616.0	1608.4	1600.0	1595.0
15°	1662.3	1651.3	1642.1	1631.1	1620.2	1613.5	1602.5	1595.8	1584.9	1576.5	1570.6
17.5°	1644.6	1635.3	1625.3	1611.8	1601.7	1593.3	1581.5	1573.1	1563.0	1552.1	1546.2
20°	1626.1	1615.1	1605.1	1591.6	1581.5	1571.4	1559.6	1550.4	1538.6	1528.5	1521.8
22.5°	1601.7	1589.1	1580.7	1567.2	1555.4	1544.5	1533.6	1522.6	1511.7	1503.3	1495.7
25°	1566.4	1552.9	1543.6	1532.7	1521.8	1513.4	1499.9	1493.2	1482.2	1474.7	1467.1
27.5°	1515.9	1505.8	1497.4	1486.4	1477.2	1470.5	1460.4	1453.6	1444.4	1437.7	1431.8
30°	1441.9	1433.5	1425.9	1414.9	1408.2	1402.3	1393.1	1387.2	1380.4	1372.9	1371.2
32.5°	1342.6	1335.9	1328.3	1320.7	1315.7	1312.3	1304.7	1301.4	1294.6	1290.4	1286.2
35°	1192.8	1187.0	1182.8	1179.4	1177.7	1178.5	1176.9	1180.2	1181.9	1181.1	1181.9
37.5°	996.9	993.5	995.2	997.7	1006.1	1017.1	1027.1	1042.3	1052.4	1062.5	1071.7
40°	778.1	780.7	787.4	802.5	824.4	848.8	871.5	900.1	928.7	948.9	967.4
42.5°	587.2	594.8	611.6	633.4	666.3	702.4	737.8	779.8	814.3	847.9	871.5
45°	441.6	451.7	473.6	503.9	540.1	582.1	626.7	673.8	715.1	749.5	775.6
47.5°	344.1	353.3	375.2	407.2	451.7	495.5	541.8	590.5	633.4	667.1	689.8
50°	271.7	283.5	302.8	336.5	381.1	427.3	475.3	523.2	563.6	592.2	612.4
52.5°	213.7	224.6	243.1	278.5	323.9	370.1	414.7	461.8	497.2	524.9	538.4
55°	165.7	175.8	195.1	224.6	267.5	312.9	357.5	397.9	430.7	450.9	463.5
57.5°	126.2	133.8	147.2	176.7	215.4	257.4	295.3	335.7	360.9	375.2	383.6
60°	95.9	101.8	116.1	138.8	174.1	210.3	242.3	272.6	292.8	304.5	312.9
62.5°	72.3	79.1	89.2	108.5	135.4	164.9	191.8	214.5	231.3	238.9	244.8
65°	49.6	54.7	62.3	77.4	100.1	121.1	142.2	159.0	169.9	178.4	181.7
67.5°	37.0	40.4	44.6	56.4	72.3	89.2	103.5	115.2	127.0	130.4	136.3
70°	27.8	30.3	34.5	42.9	52.1	63.9	75.7	82.4	90.9	96.7	98.4
72.5°	17.7	18.5	22.7	27.8	35.3	42.9	50.5	56.4	61.4	64.8	66.4
75°	10.1	15.1	15.1	20.2	25.2	28.6	33.7	37.8	40.4	42.9	42.9
77.5°	6.7	9.2	10.1	12.6	15.1	19.4	23.5	26.1	28.6	29.4	29.4
80°	5.9	6.7	6.7	9.2	10.9	14.3	16.8	17.7	19.4	20.2	21.9
82.5°	2.5	3.4	4.2	6.7	7.6	7.6	10.1	10.9	12.6	13.5	13.5
85°	0.8	1.7	1.7	2.5	4.2	5.1	5.9	6.7	7.6	7.6	8.4
87.5°	0.8	0.8	0.0	0.8	1.7	1.7	3.4	3.4	3.4	5.1	5.1
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: P244521

CATALOG NUMBER: LD8B30D010 ER8B30827 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8	1722.8
2.5°	1707.7	1708.5	1705.2	1704.3	1702.6	1703.5	1705.2
5°	1676.6	1677.4	1674.0	1670.7	1670.7	1669.8	1670.7
7.5°	1647.1	1648.0	1642.9	1641.2	1637.9	1638.7	1638.7
10°	1617.7	1617.7	1610.1	1609.3	1606.7	1605.9	1605.9
12.5°	1589.1	1586.5	1580.7	1577.3	1579.0	1573.9	1573.9
15°	1563.8	1559.6	1552.1	1549.5	1545.3	1543.6	1543.6
17.5°	1537.8	1534.4	1527.7	1522.6	1517.6	1516.7	1517.6
20°	1512.5	1509.2	1500.7	1497.4	1493.2	1493.2	1491.5
22.5°	1487.3	1483.9	1476.4	1473.8	1467.9	1467.9	1468.8
25°	1461.2	1458.7	1450.3	1448.6	1447.8	1444.4	1446.1
27.5°	1425.9	1424.2	1417.5	1414.9	1411.6	1410.7	1412.4
30°	1361.1	1358.6	1353.5	1351.0	1345.1	1346.0	1347.6
32.5°	1280.3	1277.0	1270.2	1267.7	1262.7	1261.0	1261.8
35°	1179.4	1176.9	1171.0	1171.0	1165.9	1164.2	1165.9
37.5°	1076.8	1079.3	1076.8	1079.3	1076.8	1075.9	1076.8
40°	980.0	989.3	990.9	1000.2	996.9	1001.9	1001.1
42.5°	887.5	902.6	908.5	916.1	914.4	917.8	920.3
45°	794.1	806.7	812.6	817.7	818.5	820.2	821.0
47.5°	705.8	715.9	716.7	722.6	721.8	721.8	724.3
50°	623.4	630.1	631.7	636.0	632.6	630.9	631.7
52.5°	546.8	553.5	551.8	553.5	549.3	547.6	548.5
55°	468.6	471.9	471.9	471.9	466.9	466.9	466.9
57.5°	388.6	389.5	387.8	388.6	387.8	382.8	381.9
60°	315.5	315.5	314.6	315.5	312.9	310.4	310.4
62.5°	246.5	248.2	251.5	248.2	246.5	248.2	245.6
65°	184.2	187.6	186.7	188.4	187.6	187.6	185.9
67.5°	138.8	139.6	140.5	141.3	141.3	141.3	141.3
70°	101.8	104.3	103.5	103.5	103.5	103.5	108.5
72.5°	68.1	71.5	70.7	72.3	72.3	74.0	72.3
75°	46.3	49.6	48.0	50.5	49.6	48.0	52.1
77.5°	31.1	32.8	33.7	34.5	33.7	32.8	33.7
80°	21.9	23.5	22.7	23.5	23.5	23.5	24.4
82.5°	13.5	16.0	15.1	16.0	15.1	16.0	16.0
85°	9.2	10.1	8.4	10.1	9.2	9.2	10.9
87.5°	5.9	5.1	5.1	5.9	5.1	5.9	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)