

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: P245835

Luminaire Tested: **LD8B30D010 ER8B30840 8LBSW0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245835  
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 ER8B30840 8LBSW0GPH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 4000 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2844.0 lumens  
Efficiency: N/A  
Efficacy: 104.9 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

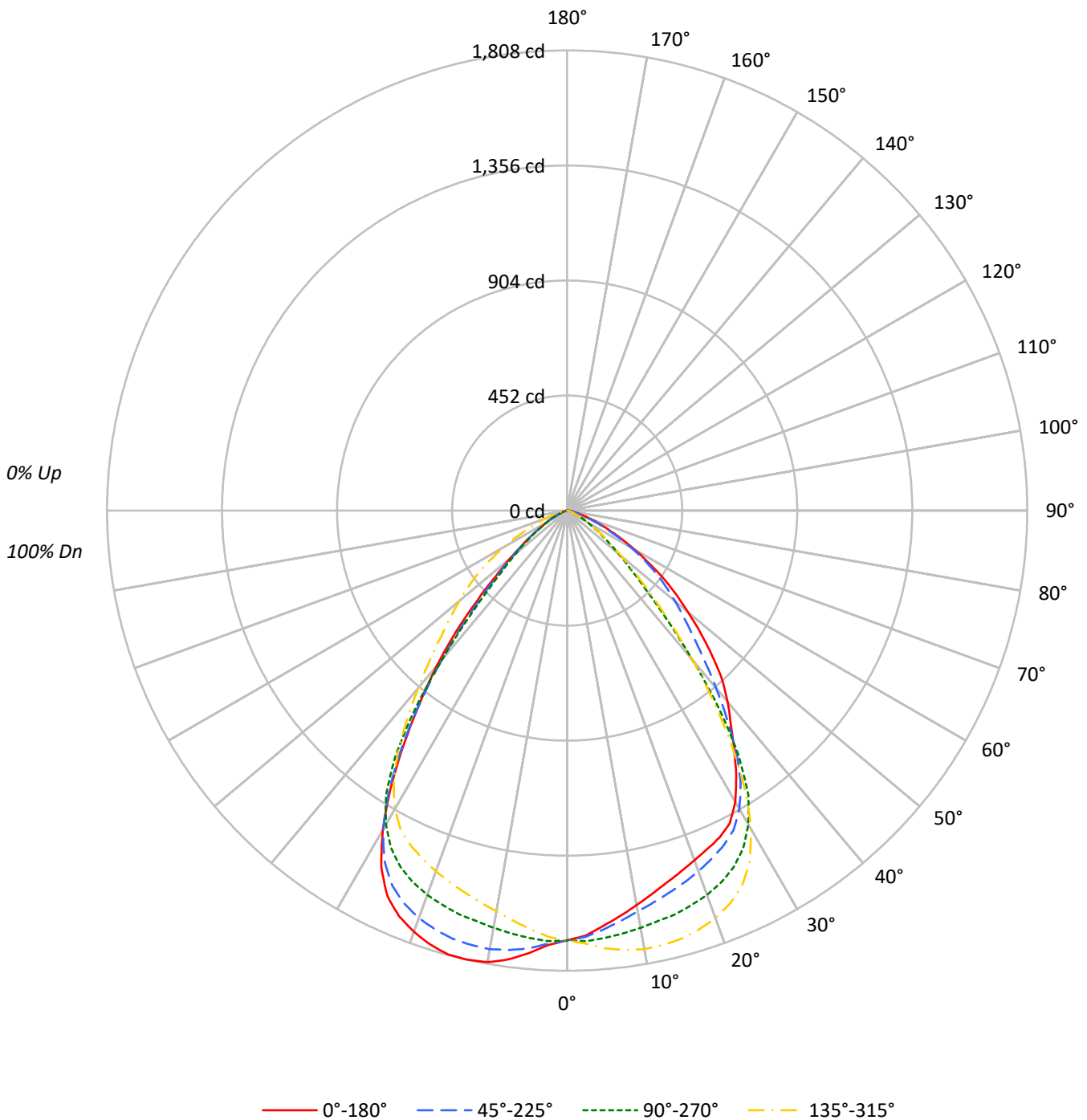
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	52064	52064	52064	52064
5°	50681	52186	54049	52186
10°	49279	52119	56402	52119
15°	48295	52426	57639	52426
20°	47966	52728	57784	52728
25°	48219	52622	56858	52622
30°	47026	50693	51605	50693
35°	43012	44224	41958	44224
40°	39489	30762	32123	30762
45°	35088	18765	21713	18765
50°	29700	12535	13922	12535
55°	24601	8553	9043	8553
60°	18761	5692	5742	5692
65°	13294	3546	3247	3546
70°	9584	2380	2155	2380
75°	6088	1180	977	1180
80°	4244	888	728	888
85°	3786	0	283	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.7	5.7
10°-20°	465.4	16.4
20°-30°	704.7	24.8
30°-40°	706.2	24.8
40°-50°	443.5	15.6
50°-60°	236.3	8.3
60°-70°	97.2	3.4
70°-80°	25.7	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°	1330.7	46.8
0°-40°	2037.0	71.6
0°-60°	2716.8	95.5
0°-90°	2844.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2844.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1688	1688	1688	1688	1688	
5°	1637	1686	1746	1686	1637	154
15°	1513	1642	1806	1642	1513	428
25°	1417	1547	1671	1547	1417	650
35°	1143	1175	1115	1175	1143	716
45°	805	430	498	430	805	619
55°	458	159	168	159	458	408
65°	182	49	44	49	182	189
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°	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4
2.5°	1671.1	1669.4	1668.6	1670.3	1671.1	1674.4	1673.6	1675.2	1675.2	1676.0	1677.7
5°	1637.3	1636.4	1637.3	1637.3	1640.6	1643.9	1643.1	1645.5	1647.2	1651.3	1652.9
7.5°	1606.0	1606.0	1605.1	1608.4	1610.1	1615.0	1614.2	1618.3	1620.8	1624.9	1630.7
10°	1573.8	1573.8	1574.6	1577.1	1577.9	1585.3	1585.3	1591.1	1594.4	1598.5	1606.0
12.5°	1542.5	1542.5	1547.4	1545.8	1549.1	1554.8	1557.3	1563.1	1568.0	1576.3	1583.7
15°	1512.8	1512.8	1514.4	1518.6	1521.0	1528.5	1532.6	1539.2	1545.0	1553.2	1563.9
17.5°	1487.2	1486.4	1487.2	1492.2	1497.1	1503.7	1507.0	1515.3	1521.0	1531.8	1541.7
20°	1461.7	1463.3	1463.3	1467.5	1470.7	1479.0	1482.3	1491.4	1498.0	1507.8	1519.4
22.5°	1439.4	1438.6	1438.6	1444.4	1446.9	1454.3	1457.5	1465.8	1473.2	1481.5	1492.2
25°	1417.2	1415.5	1418.8	1419.6	1421.3	1429.5	1432.0	1437.8	1445.2	1452.6	1463.3
27.5°	1384.2	1382.6	1383.4	1386.7	1389.1	1395.7	1397.4	1403.1	1408.9	1415.5	1424.6
30°	1320.7	1319.1	1318.2	1324.0	1326.5	1331.4	1333.9	1343.8	1345.4	1352.9	1359.4
32.5°	1236.6	1235.8	1237.5	1242.4	1244.8	1251.5	1254.8	1260.5	1264.6	1268.8	1275.4
35°	1142.6	1141.0	1142.6	1147.6	1147.6	1153.4	1155.8	1158.3	1157.5	1158.3	1156.7
37.5°	1055.3	1054.4	1055.3	1057.7	1055.3	1057.7	1055.3	1050.3	1041.2	1031.3	1021.4
40°	981.0	981.9	976.9	980.2	971.1	969.5	960.5	948.1	929.9	910.2	882.1
42.5°	901.9	899.4	896.1	897.8	890.4	884.6	869.7	854.1	831.0	798.0	764.2
45°	804.6	803.8	802.2	801.3	796.4	790.6	778.2	760.1	734.6	700.8	660.3
47.5°	709.8	707.3	707.3	708.2	702.4	701.6	691.7	676.0	653.8	620.8	578.7
50°	619.1	618.3	620.0	623.3	619.1	617.5	610.9	600.2	580.4	552.4	512.8
52.5°	537.5	536.7	538.4	542.5	540.8	542.5	535.9	527.6	514.4	487.2	452.6
55°	457.6	457.6	457.6	462.5	462.5	462.5	459.2	454.3	441.9	422.1	390.0
57.5°	374.3	375.1	380.1	380.9	380.1	381.7	380.9	375.9	367.7	353.7	329.0
60°	304.2	304.2	306.7	309.2	308.3	309.2	309.2	306.7	298.4	286.9	267.1
62.5°	240.7	243.2	241.5	243.2	246.5	243.2	241.5	239.9	234.1	226.7	210.2
65°	182.2	183.9	183.9	184.7	183.0	183.9	180.6	178.1	174.8	166.5	155.8
67.5°	138.5	138.5	138.5	138.5	137.7	136.9	136.0	133.6	127.8	124.5	112.9
70°	106.3	101.4	101.4	101.4	101.4	102.2	99.8	96.5	94.8	89.0	80.8
72.5°	70.9	72.5	70.9	70.9	69.3	70.1	66.8	65.1	63.5	60.2	55.2
75°	51.1	47.0	48.6	49.5	47.0	48.6	45.3	42.0	42.0	39.6	37.1
77.5°	33.0	32.2	33.0	33.8	33.0	32.2	30.5	28.8	28.8	28.0	25.6
80°	23.9	23.1	23.1	23.1	22.3	23.1	21.4	21.4	19.8	19.0	17.3
82.5°	15.7	15.7	14.8	15.7	14.8	15.7	13.2	13.2	13.2	12.4	10.7
85°	10.7	9.1	9.1	9.9	8.2	9.9	9.1	8.2	7.4	7.4	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°	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4
2.5°	1680.1	1681.0	1681.0	1684.3	1685.9	1686.7	1686.7	1693.3	1690.9	1692.5	1694.2
5°	1656.3	1661.2	1662.8	1662.8	1671.9	1675.2	1678.5	1685.9	1686.7	1691.7	1697.5
7.5°	1633.1	1638.9	1642.2	1649.6	1655.4	1661.2	1671.1	1676.0	1681.0	1687.6	1695.0
10°	1610.9	1617.5	1624.1	1629.9	1638.9	1646.3	1652.9	1664.5	1670.3	1679.3	1689.2
12.5°	1589.5	1598.5	1604.3	1614.2	1624.1	1630.7	1640.6	1651.3	1660.4	1669.4	1681.0
15°	1570.5	1581.2	1587.8	1598.5	1609.3	1618.3	1629.0	1642.2	1648.8	1659.5	1670.3
17.5°	1549.9	1561.4	1569.7	1579.6	1592.8	1602.6	1611.7	1624.9	1633.1	1644.7	1657.1
20°	1528.5	1540.0	1549.9	1559.8	1573.0	1582.9	1593.6	1606.8	1615.8	1627.4	1637.3
22.5°	1502.9	1513.6	1524.3	1535.9	1549.1	1557.3	1569.7	1581.2	1591.1	1601.8	1611.7
25°	1469.9	1483.1	1491.4	1502.1	1512.8	1521.8	1535.0	1546.6	1554.8	1564.7	1573.8
27.5°	1431.2	1441.1	1447.7	1456.7	1467.5	1475.7	1485.6	1497.1	1505.4	1514.4	1521.0
30°	1365.2	1374.3	1380.1	1386.7	1397.4	1404.8	1413.1	1423.7	1429.5	1436.1	1441.9
32.5°	1278.6	1286.1	1289.4	1294.3	1301.8	1309.2	1315.8	1324.8	1327.3	1331.4	1331.4
35°	1153.4	1155.0	1154.2	1155.8	1159.1	1163.2	1169.0	1174.8	1178.1	1178.1	1175.6
37.5°	1006.6	996.7	986.0	977.8	975.3	973.6	976.9	979.4	982.7	984.3	980.2
40°	854.1	831.8	807.9	786.5	771.6	765.1	762.6	764.2	764.2	770.0	770.0
42.5°	723.0	688.4	652.9	620.8	599.3	582.9	575.4	575.4	576.3	580.4	582.9
45°	614.2	570.5	529.3	493.8	464.1	442.7	432.8	430.3	429.5	431.2	436.9
47.5°	530.9	485.6	442.7	399.0	367.7	346.3	337.2	333.9	330.6	333.9	334.7
50°	465.8	418.8	373.5	329.8	296.8	277.8	266.3	261.3	260.5	260.5	262.2
52.5°	406.4	362.7	317.4	272.9	238.2	220.1	209.4	206.9	203.6	206.9	206.9
55°	350.4	306.7	262.2	220.1	191.2	172.3	162.4	159.1	157.5	159.9	159.9
57.5°	289.4	252.3	211.1	173.1	144.3	131.1	123.7	119.5	118.7	120.4	118.7
60°	237.4	206.1	170.7	136.0	113.8	99.8	94.0	92.3	90.7	92.3	92.3
62.5°	188.0	161.6	132.7	106.3	87.4	77.5	70.9	70.9	70.1	70.1	70.9
65°	139.3	118.7	98.1	75.8	61.0	53.6	48.6	48.6	47.8	48.6	47.8
67.5°	101.4	87.4	70.9	55.2	43.7	39.6	36.3	33.8	35.5	33.8	33.0
70°	74.2	62.6	51.1	42.0	33.8	29.7	27.2	26.4	24.7	24.7	24.7
72.5°	49.5	42.0	34.6	27.2	22.3	18.1	17.3	15.7	14.0	14.8	16.5
75°	33.0	28.0	24.7	19.8	14.8	14.8	9.9	9.9	8.2	9.9	7.4
77.5°	23.1	19.0	14.8	12.4	9.9	9.1	6.6	6.6	5.8	5.8	5.8
80°	16.5	14.0	10.7	9.1	6.6	6.6	5.8	5.0	4.1	4.1	5.0
82.5°	9.9	7.4	7.4	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°	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4
2.5°	1698.3	1697.5	1699.1	1699.1	1704.1	1703.2	1705.7	1705.7	1704.1	1704.9	1708.2
5°	1704.1	1706.5	1711.5	1715.6	1723.0	1726.3	1730.4	1734.6	1735.4	1737.9	1740.3
7.5°	1704.1	1712.3	1718.1	1725.5	1735.4	1741.2	1750.2	1757.7	1760.9	1765.0	1770.0
10°	1700.7	1709.0	1719.7	1728.0	1740.3	1749.4	1758.5	1770.0	1775.0	1781.5	1788.2
12.5°	1694.2	1703.2	1714.8	1725.5	1739.5	1747.7	1759.3	1770.0	1777.4	1786.5	1793.9
15°	1684.3	1695.0	1705.7	1716.4	1731.3	1741.2	1751.9	1764.2	1771.7	1781.5	1788.2
17.5°	1668.6	1680.1	1690.1	1699.9	1713.9	1725.5	1735.4	1746.9	1754.4	1762.6	1771.7
20°	1649.6	1660.4	1671.1	1679.3	1693.3	1703.2	1713.9	1724.7	1730.4	1732.1	1746.1
22.5°	1625.8	1633.1	1641.4	1654.6	1662.8	1671.9	1681.8	1691.7	1697.5	1706.5	1711.5
25°	1586.2	1593.6	1602.6	1608.4	1618.3	1625.8	1635.6	1646.3	1649.6	1656.3	1661.2
27.5°	1530.9	1535.0	1539.2	1544.1	1549.9	1554.0	1559.8	1564.7	1568.0	1571.3	1574.6
30°	1443.5	1443.5	1443.5	1440.2	1442.7	1445.2	1446.0	1445.2	1445.2	1444.4	1444.4
32.5°	1328.1	1321.5	1314.1	1307.5	1305.0	1301.8	1300.1	1297.6	1293.5	1291.0	1291.8
35°	1172.3	1157.5	1148.4	1140.2	1133.6	1128.6	1126.1	1123.7	1122.9	1119.6	1116.2
37.5°	977.8	967.0	960.5	955.5	949.7	944.8	945.6	946.4	948.9	947.3	948.1
40°	771.6	769.2	771.6	765.9	764.2	765.9	770.0	775.8	779.1	782.4	788.1
42.5°	587.0	591.1	596.9	596.9	599.3	602.7	607.6	616.7	621.6	627.4	634.0
45°	441.9	446.8	454.3	456.7	458.4	462.5	468.3	475.7	479.0	483.9	489.7
47.5°	340.5	343.8	347.9	352.0	356.1	357.8	363.6	363.6	367.7	371.0	372.6
50°	265.5	268.8	272.0	274.5	276.2	278.7	280.3	282.8	283.6	285.2	286.1
52.5°	207.7	211.9	211.9	213.5	216.0	218.5	217.6	218.5	219.3	219.3	221.8
55°	162.4	162.4	164.9	164.9	166.5	165.7	166.5	166.5	166.5	166.5	167.4
57.5°	121.2	122.0	124.5	122.8	122.0	123.7	122.0	123.7	122.8	124.5	122.0
60°	93.1	93.1	94.0	94.0	94.8	94.8	94.8	94.0	94.0	93.1	93.1
62.5°	70.1	70.9	71.7	70.9	70.9	70.9	70.1	70.1	69.3	68.4	68.4
65°	47.0	46.2	47.8	46.2	47.0	47.0	46.2	47.0	44.5	45.3	44.5
67.5°	33.8	33.0	32.2	33.0	32.2	31.3	31.3	32.2	33.0	30.5	30.5
70°	22.3	23.1	22.3	23.1	23.9	23.9	23.1	22.3	23.1	21.4	22.3
72.5°	14.0	14.0	14.0	14.0	14.0	14.8	14.8	14.8	13.2	13.2	12.4
75°	6.6	9.1	7.4	6.6	9.1	9.1	8.2	8.2	7.4	7.4	7.4
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: P245835

CATALOG NUMBER: LD8B30D010 ER8B30840 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4
2.5°	1707.4	1706.5	1707.4	1708.2	1707.4	1706.5	1707.4	1708.2	1704.9	1704.1	1705.7
5°	1743.6	1743.6	1745.3	1746.1	1745.3	1743.6	1743.6	1740.3	1737.9	1735.4	1734.6
7.5°	1775.0	1776.6	1778.2	1779.1	1778.2	1776.6	1775.0	1770.0	1765.0	1760.9	1757.7
10°	1793.9	1796.4	1799.7	1801.3	1799.7	1796.4	1793.9	1788.2	1781.5	1775.0	1770.0
12.5°	1802.2	1804.6	1808.8	1807.9	1808.8	1804.6	1802.2	1793.9	1786.5	1777.4	1770.0
15°	1796.4	1799.7	1803.8	1805.5	1803.8	1799.7	1796.4	1788.2	1781.5	1771.7	1764.2
17.5°	1778.2	1783.2	1785.7	1788.2	1785.7	1783.2	1778.2	1771.7	1762.6	1754.4	1746.9
20°	1753.5	1756.8	1760.1	1760.9	1760.1	1756.8	1753.5	1746.1	1732.1	1730.4	1724.7
22.5°	1718.1	1720.6	1728.0	1725.5	1728.0	1720.6	1718.1	1711.5	1706.5	1697.5	1691.7
25°	1666.9	1669.4	1670.3	1671.1	1670.3	1669.4	1666.9	1661.2	1656.3	1649.6	1646.3
27.5°	1578.8	1578.8	1580.4	1581.2	1580.4	1578.8	1578.8	1574.6	1571.3	1568.0	1564.7
30°	1445.2	1445.2	1445.2	1449.3	1445.2	1445.2	1445.2	1444.4	1444.4	1445.2	1445.2
32.5°	1291.0	1289.4	1287.7	1289.4	1287.7	1289.4	1291.0	1291.8	1291.0	1293.5	1297.6
35°	1116.2	1115.4	1117.9	1114.6	1117.9	1115.4	1116.2	1116.2	1119.6	1122.9	1123.7
37.5°	948.9	947.3	950.5	947.3	950.5	947.3	948.9	948.1	947.3	948.9	946.4
40°	789.8	791.4	791.4	798.0	791.4	791.4	789.8	788.1	782.4	779.1	775.8
42.5°	637.3	642.2	640.6	645.5	640.6	642.2	637.3	634.0	627.4	621.6	616.7
45°	493.0	496.3	496.3	497.9	496.3	496.3	493.0	489.7	483.9	479.0	475.7
47.5°	378.4	378.4	378.4	379.2	378.4	378.4	378.4	372.6	371.0	367.7	363.6
50°	287.7	288.5	289.4	290.2	289.4	288.5	287.7	286.1	285.2	283.6	282.8
52.5°	220.9	221.8	220.1	221.8	220.1	221.8	220.9	221.8	219.3	219.3	218.5
55°	167.4	166.5	167.4	168.2	167.4	166.5	167.4	167.4	166.5	166.5	166.5
57.5°	122.8	121.2	121.2	121.2	121.2	121.2	122.8	122.0	124.5	122.8	123.7
60°	91.5	92.3	92.3	93.1	92.3	92.3	91.5	93.1	93.1	94.0	94.0
62.5°	67.6	70.1	68.4	70.1	68.4	70.1	67.6	68.4	68.4	69.3	70.1
65°	43.7	43.7	43.7	44.5	43.7	43.7	43.7	44.5	45.3	44.5	47.0
67.5°	29.7	30.5	32.2	31.3	32.2	30.5	29.7	30.5	30.5	33.0	32.2
70°	23.9	21.4	21.4	23.9	21.4	21.4	23.9	22.3	21.4	23.1	22.3
72.5°	14.0	12.4	14.0	14.0	14.0	12.4	14.0	12.4	13.2	13.2	14.8
75°	7.4	6.6	5.8	8.2	5.8	6.6	7.4	7.4	7.4	7.4	8.2
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: P245835

CATALOG NUMBER: LD8B30D010 ER8B30840 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4
2.5°	1705.7	1703.2	1704.1	1699.1	1699.1	1697.5	1698.3	1694.2	1692.5	1690.9	1693.3
5°	1730.4	1726.3	1723.0	1715.6	1711.5	1706.5	1704.1	1697.5	1691.7	1686.7	1685.9
7.5°	1750.2	1741.2	1735.4	1725.5	1718.1	1712.3	1704.1	1695.0	1687.6	1681.0	1676.0
10°	1758.5	1749.4	1740.3	1728.0	1719.7	1709.0	1700.7	1689.2	1679.3	1670.3	1664.5
12.5°	1759.3	1747.7	1739.5	1725.5	1714.8	1703.2	1694.2	1681.0	1669.4	1660.4	1651.3
15°	1751.9	1741.2	1731.3	1716.4	1705.7	1695.0	1684.3	1670.3	1659.5	1648.8	1642.2
17.5°	1735.4	1725.5	1713.9	1699.9	1690.1	1680.1	1668.6	1657.1	1644.7	1633.1	1624.9
20°	1713.9	1703.2	1693.3	1679.3	1671.1	1660.4	1649.6	1637.3	1627.4	1615.8	1606.8
22.5°	1681.8	1671.9	1662.8	1654.6	1641.4	1633.1	1625.8	1611.7	1601.8	1591.1	1581.2
25°	1635.6	1625.8	1618.3	1608.4	1602.6	1593.6	1586.2	1573.8	1564.7	1554.8	1546.6
27.5°	1559.8	1554.0	1549.9	1544.1	1539.2	1535.0	1530.9	1521.0	1514.4	1505.4	1497.1
30°	1446.0	1445.2	1442.7	1440.2	1443.5	1443.5	1443.5	1441.9	1436.1	1429.5	1423.7
32.5°	1300.1	1301.8	1305.0	1307.5	1314.1	1321.5	1328.1	1331.4	1331.4	1327.3	1324.8
35°	1126.1	1128.6	1133.6	1140.2	1148.4	1157.5	1172.3	1175.6	1178.1	1178.1	1174.8
37.5°	945.6	944.8	949.7	955.5	960.5	967.0	977.8	980.2	984.3	982.7	979.4
40°	770.0	765.9	764.2	765.9	771.6	769.2	771.6	770.0	770.0	764.2	764.2
42.5°	607.6	602.7	599.3	596.9	596.9	591.1	587.0	582.9	580.4	576.3	575.4
45°	468.3	462.5	458.4	456.7	454.3	446.8	441.9	436.9	431.2	429.5	430.3
47.5°	363.6	357.8	356.1	352.0	347.9	343.8	340.5	334.7	333.9	330.6	333.9
50°	280.3	278.7	276.2	274.5	272.0	268.8	265.5	262.2	260.5	260.5	261.3
52.5°	217.6	218.5	216.0	213.5	211.9	211.9	207.7	206.9	206.9	203.6	206.9
55°	166.5	165.7	166.5	164.9	164.9	162.4	162.4	159.9	159.9	157.5	159.1
57.5°	122.0	123.7	122.0	122.8	124.5	122.0	121.2	118.7	120.4	118.7	119.5
60°	94.8	94.8	94.8	94.0	94.0	93.1	93.1	92.3	92.3	90.7	92.3
62.5°	70.1	70.9	70.9	70.9	71.7	70.9	70.1	70.9	70.1	70.1	70.9
65°	46.2	47.0	47.0	46.2	47.8	46.2	47.0	47.8	48.6	47.8	48.6
67.5°	31.3	31.3	32.2	33.0	32.2	33.0	33.8	33.0	33.8	35.5	33.8
70°	23.1	23.9	23.9	23.1	22.3	23.1	22.3	24.7	24.7	24.7	26.4
72.5°	14.8	14.8	14.0	14.0	14.0	14.0	14.0	16.5	14.8	14.0	15.7
75°	8.2	9.1	9.1	6.6	7.4	9.1	6.6	7.4	9.9	8.2	9.9
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: P245835

CATALOG NUMBER: LD8B30D010 ER8B30840 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4
2.5°	1686.7	1686.7	1685.9	1684.3	1681.0	1681.0	1680.1	1677.7	1676.0	1675.2	1675.2
5°	1678.5	1675.2	1671.9	1662.8	1662.8	1661.2	1656.3	1652.9	1651.3	1647.2	1645.5
7.5°	1671.1	1661.2	1655.4	1649.6	1642.2	1638.9	1633.1	1630.7	1624.9	1620.8	1618.3
10°	1652.9	1646.3	1638.9	1629.9	1624.1	1617.5	1610.9	1606.0	1598.5	1594.4	1591.1
12.5°	1640.6	1630.7	1624.1	1614.2	1604.3	1598.5	1589.5	1583.7	1576.3	1568.0	1563.1
15°	1629.0	1618.3	1609.3	1598.5	1587.8	1581.2	1570.5	1563.9	1553.2	1545.0	1539.2
17.5°	1611.7	1602.6	1592.8	1579.6	1569.7	1561.4	1549.9	1541.7	1531.8	1521.0	1515.3
20°	1593.6	1582.9	1573.0	1559.8	1549.9	1540.0	1528.5	1519.4	1507.8	1498.0	1491.4
22.5°	1569.7	1557.3	1549.1	1535.9	1524.3	1513.6	1502.9	1492.2	1481.5	1473.2	1465.8
25°	1535.0	1521.8	1512.8	1502.1	1491.4	1483.1	1469.9	1463.3	1452.6	1445.2	1437.8
27.5°	1485.6	1475.7	1467.5	1456.7	1447.7	1441.1	1431.2	1424.6	1415.5	1408.9	1403.1
30°	1413.1	1404.8	1397.4	1386.7	1380.1	1374.3	1365.2	1359.4	1352.9	1345.4	1343.8
32.5°	1315.8	1309.2	1301.8	1294.3	1289.4	1286.1	1278.6	1275.4	1268.8	1264.6	1260.5
35°	1169.0	1163.2	1159.1	1155.8	1154.2	1155.0	1153.4	1156.7	1158.3	1157.5	1158.3
37.5°	976.9	973.6	975.3	977.8	986.0	996.7	1006.6	1021.4	1031.3	1041.2	1050.3
40°	762.6	765.1	771.6	786.5	807.9	831.8	854.1	882.1	910.2	929.9	948.1
42.5°	575.4	582.9	599.3	620.8	652.9	688.4	723.0	764.2	798.0	831.0	854.1
45°	432.8	442.7	464.1	493.8	529.3	570.5	614.2	660.3	700.8	734.6	760.1
47.5°	337.2	346.3	367.7	399.0	442.7	485.6	530.9	578.7	620.8	653.8	676.0
50°	266.3	277.8	296.8	329.8	373.5	418.8	465.8	512.8	552.4	580.4	600.2
52.5°	209.4	220.1	238.2	272.9	317.4	362.7	406.4	452.6	487.2	514.4	527.6
55°	162.4	172.3	191.2	220.1	262.2	306.7	350.4	390.0	422.1	441.9	454.3
57.5°	123.7	131.1	144.3	173.1	211.1	252.3	289.4	329.0	353.7	367.7	375.9
60°	94.0	99.8	113.8	136.0	170.7	206.1	237.4	267.1	286.9	298.4	306.7
62.5°	70.9	77.5	87.4	106.3	132.7	161.6	188.0	210.2	226.7	234.1	239.9
65°	48.6	53.6	61.0	75.8	98.1	118.7	139.3	155.8	166.5	174.8	178.1
67.5°	36.3	39.6	43.7	55.2	70.9	87.4	101.4	112.9	124.5	127.8	133.6
70°	27.2	29.7	33.8	42.0	51.1	62.6	74.2	80.8	89.0	94.8	96.5
72.5°	17.3	18.1	22.3	27.2	34.6	42.0	49.5	55.2	60.2	63.5	65.1
75°	9.9	14.8	14.8	19.8	24.7	28.0	33.0	37.1	39.6	42.0	42.0
77.5°	6.6	9.1	9.9	12.4	14.8	19.0	23.1	25.6	28.0	28.8	28.8
80°	5.8	6.6	6.6	9.1	10.7	14.0	16.5	17.3	19.0	19.8	21.4
82.5°	2.5	3.3	4.1	6.6	7.4	7.4	9.9	10.7	12.4	13.2	13.2
85°	0.8	1.7	1.7	2.5	4.1	5.0	5.8	6.6	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	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: P245835

CATALOG NUMBER: LD8B30D010 ER8B30840 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4	1688.4
2.5°	1673.6	1674.4	1671.1	1670.3	1668.6	1669.4	1671.1
5°	1643.1	1643.9	1640.6	1637.3	1637.3	1636.4	1637.3
7.5°	1614.2	1615.0	1610.1	1608.4	1605.1	1606.0	1606.0
10°	1585.3	1585.3	1577.9	1577.1	1574.6	1573.8	1573.8
12.5°	1557.3	1554.8	1549.1	1545.8	1547.4	1542.5	1542.5
15°	1532.6	1528.5	1521.0	1518.6	1514.4	1512.8	1512.8
17.5°	1507.0	1503.7	1497.1	1492.2	1487.2	1486.4	1487.2
20°	1482.3	1479.0	1470.7	1467.5	1463.3	1463.3	1461.7
22.5°	1457.5	1454.3	1446.9	1444.4	1438.6	1438.6	1439.4
25°	1432.0	1429.5	1421.3	1419.6	1418.8	1415.5	1417.2
27.5°	1397.4	1395.7	1389.1	1386.7	1383.4	1382.6	1384.2
30°	1333.9	1331.4	1326.5	1324.0	1318.2	1319.1	1320.7
32.5°	1254.8	1251.5	1244.8	1242.4	1237.5	1235.8	1236.6
35°	1155.8	1153.4	1147.6	1147.6	1142.6	1141.0	1142.6
37.5°	1055.3	1057.7	1055.3	1057.7	1055.3	1054.4	1055.3
40°	960.5	969.5	971.1	980.2	976.9	981.9	981.0
42.5°	869.7	884.6	890.4	897.8	896.1	899.4	901.9
45°	778.2	790.6	796.4	801.3	802.2	803.8	804.6
47.5°	691.7	701.6	702.4	708.2	707.3	707.3	709.8
50°	610.9	617.5	619.1	623.3	620.0	618.3	619.1
52.5°	535.9	542.5	540.8	542.5	538.4	536.7	537.5
55°	459.2	462.5	462.5	462.5	457.6	457.6	457.6
57.5°	380.9	381.7	380.1	380.9	380.1	375.1	374.3
60°	309.2	309.2	308.3	309.2	306.7	304.2	304.2
62.5°	241.5	243.2	246.5	243.2	241.5	243.2	240.7
65°	180.6	183.9	183.0	184.7	183.9	183.9	182.2
67.5°	136.0	136.9	137.7	138.5	138.5	138.5	138.5
70°	99.8	102.2	101.4	101.4	101.4	101.4	106.3
72.5°	66.8	70.1	69.3	70.9	70.9	72.5	70.9
75°	45.3	48.6	47.0	49.5	48.6	47.0	51.1
77.5°	30.5	32.2	33.0	33.8	33.0	32.2	33.0
80°	21.4	23.1	22.3	23.1	23.1	23.1	23.9
82.5°	13.2	15.7	14.8	15.7	14.8	15.7	15.7
85°	9.1	9.9	8.2	9.9	9.1	9.1	10.7
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)