

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: P244953

Luminaire Tested: **LD8B30D010 ER8B30827 8LBSW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244953  
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 8LBSW0WMH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 2700 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2877.0 lumens  
Efficiency: N/A  
Efficacy: 106.2 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

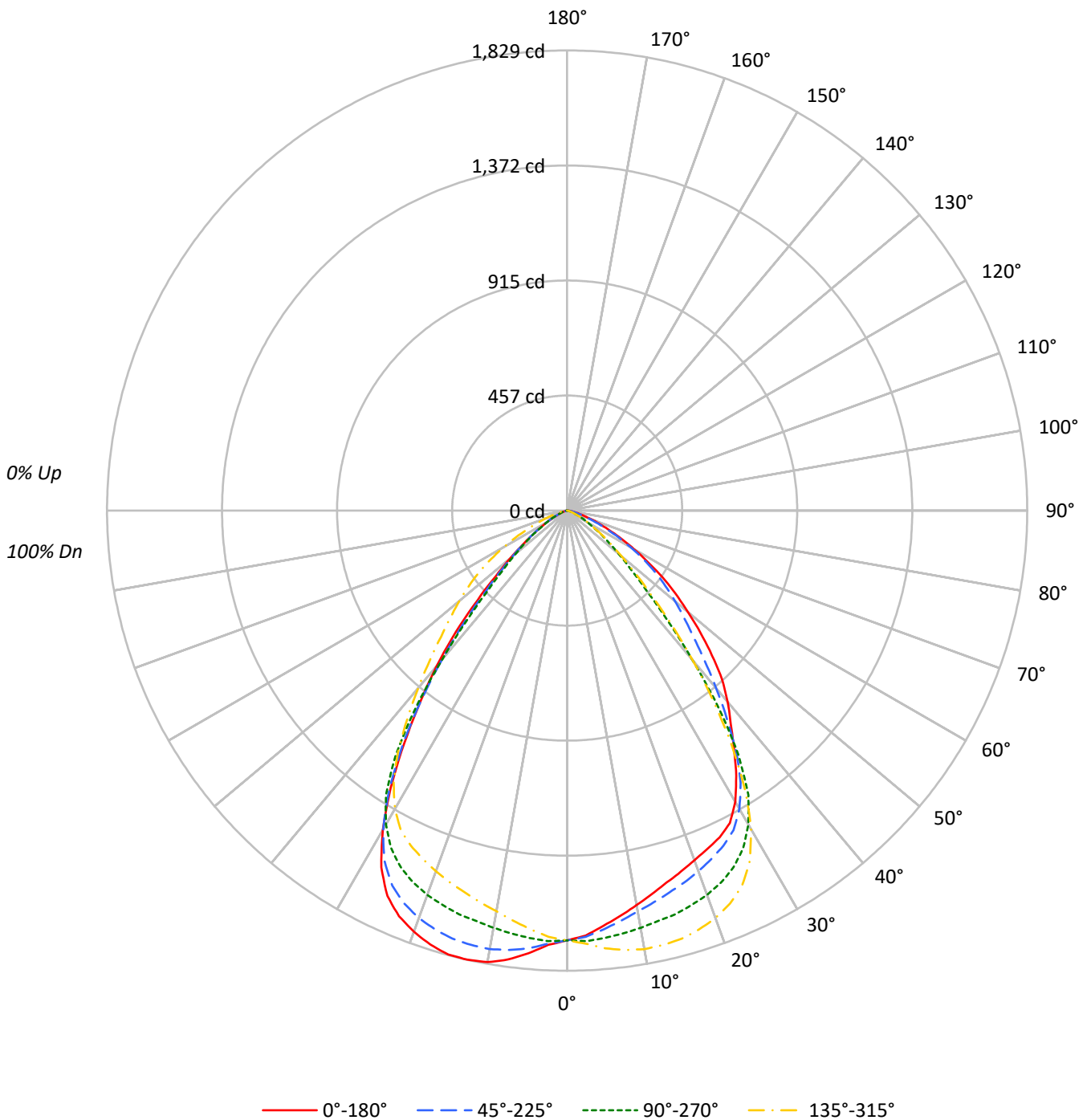
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	52668	52668	52668	52668
5°	51269	52792	54677	52792
10°	49852	52723	57057	52723
15°	48853	53036	58306	53036
20°	48521	53338	58457	53338
25°	48777	53231	57518	53231
30°	47571	51284	52203	51284
35°	43513	44736	42444	44736
40°	39948	31120	32497	31120
45°	35498	18983	21966	18983
50°	30045	12684	14085	12684
55°	24886	8656	9145	8656
60°	18977	5760	5810	5760
65°	13447	3590	3283	3590
70°	9701	2407	2182	2407
75°	6160	1191	989	1191
80°	4297	888	746	888
85°	3821	0	283	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.6	5.7
10°-20°	470.8	16.4
20°-30°	712.8	24.8
30°-40°	714.4	24.8
40°-50°	448.6	15.6
50°-60°	239.1	8.3
60°-70°	98.3	3.4
70°-80°	26.0	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°	1346.2	46.8
0°-40°	2060.6	71.6
0°-60°	2748.3	95.5
0°-90°	2877.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2877.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1708	1708	1708	1708	1708	
5°	1656	1706	1766	1706	1656	156
15°	1530	1661	1826	1661	1530	433
25°	1434	1564	1690	1564	1434	657
35°	1156	1188	1128	1188	1156	724
45°	814	435	504	435	814	626
55°	463	161	170	161	463	413
65°	184	49	45	49	184	191
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°	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0
2.5°	1690.5	1688.8	1688.0	1689.7	1690.5	1693.8	1693.0	1694.6	1694.6	1695.5	1697.1
5°	1656.3	1655.4	1656.3	1656.3	1659.6	1662.9	1662.1	1664.6	1666.3	1670.5	1672.1
7.5°	1624.6	1624.6	1623.7	1627.1	1628.8	1633.8	1632.9	1637.1	1639.6	1643.8	1649.6
10°	1592.1	1592.1	1592.9	1595.4	1596.2	1603.7	1603.7	1609.6	1612.9	1617.1	1624.6
12.5°	1560.4	1560.4	1565.4	1563.7	1567.0	1572.9	1575.4	1581.2	1586.2	1594.6	1602.1
15°	1530.3	1530.3	1532.0	1536.2	1538.7	1546.2	1550.4	1557.0	1562.9	1571.2	1582.1
17.5°	1504.5	1503.7	1504.5	1509.5	1514.5	1521.2	1524.5	1532.8	1538.7	1549.5	1559.6
20°	1478.6	1480.3	1480.3	1484.5	1487.8	1496.2	1499.5	1508.7	1515.3	1525.3	1537.0
22.5°	1456.1	1455.3	1455.3	1461.1	1463.6	1471.1	1474.5	1482.8	1490.3	1498.7	1509.5
25°	1433.6	1431.9	1435.3	1436.1	1437.8	1446.1	1448.6	1454.4	1462.0	1469.5	1480.3
27.5°	1400.2	1398.6	1399.4	1402.7	1405.3	1411.9	1413.6	1419.4	1425.3	1431.9	1441.1
30°	1336.0	1334.4	1333.5	1339.4	1341.9	1346.9	1349.4	1359.4	1361.0	1368.6	1375.2
32.5°	1251.0	1250.1	1251.8	1256.8	1259.3	1266.0	1269.3	1275.2	1279.3	1283.5	1290.2
35°	1155.9	1154.2	1155.9	1160.9	1160.9	1166.7	1169.3	1171.7	1170.9	1171.7	1170.1
37.5°	1067.5	1066.6	1067.5	1070.0	1067.5	1070.0	1067.5	1062.5	1053.3	1043.3	1033.3
40°	992.4	993.3	988.3	991.6	982.4	980.8	971.6	959.1	940.7	920.7	892.4
42.5°	912.4	909.9	906.5	908.2	900.7	894.8	879.8	864.0	840.6	807.3	773.1
45°	814.0	813.1	811.5	810.6	805.6	799.8	787.3	768.9	743.1	708.9	668.0
47.5°	718.1	715.6	715.6	716.4	710.5	709.7	699.7	683.9	661.3	628.0	585.5
50°	626.3	625.5	627.2	630.5	626.3	624.7	618.0	607.1	587.1	558.8	518.7
52.5°	543.7	542.9	544.6	548.8	547.1	548.8	542.1	533.8	520.4	492.9	457.9
55°	462.9	462.9	462.9	467.8	467.8	467.8	464.5	459.5	447.0	427.0	394.5
57.5°	378.6	379.5	384.5	385.3	384.5	386.1	385.3	380.3	372.0	357.8	332.8
60°	307.7	307.7	310.2	312.8	311.9	312.8	312.8	310.2	301.9	290.2	270.2
62.5°	243.5	246.0	244.3	246.0	249.4	246.0	244.3	242.7	236.9	229.3	212.7
65°	184.3	186.0	186.0	186.8	185.1	186.0	182.7	180.1	176.8	168.5	157.6
67.5°	140.1	140.1	140.1	140.1	139.3	138.4	137.6	135.1	129.3	125.9	114.2
70°	107.6	102.6	102.6	102.6	102.6	103.4	100.9	97.6	95.9	90.1	81.7
72.5°	71.7	73.4	71.7	71.7	70.1	70.9	67.6	65.9	64.2	60.9	55.9
75°	51.7	47.5	49.2	50.0	47.5	49.2	45.9	42.5	42.5	40.0	37.5
77.5°	33.4	32.5	33.4	34.2	33.4	32.5	30.9	29.2	29.2	28.4	25.8
80°	24.2	23.3	23.3	23.3	22.5	23.3	21.7	21.7	20.0	19.2	17.5
82.5°	15.9	15.9	15.0	15.9	15.0	15.9	13.4	13.4	13.4	12.5	10.8
85°	10.8	9.2	9.2	10.0	8.3	10.0	9.2	8.3	7.5	7.5	6.7
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°	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0
2.5°	1699.6	1700.5	1700.5	1703.8	1705.5	1706.3	1706.3	1713.0	1710.5	1712.2	1713.8
5°	1675.5	1680.5	1682.1	1682.1	1691.3	1694.6	1698.0	1705.5	1706.3	1711.3	1717.1
7.5°	1652.1	1657.9	1661.3	1668.8	1674.6	1680.5	1690.5	1695.5	1700.5	1707.2	1714.6
10°	1629.6	1636.3	1642.9	1648.8	1657.9	1665.5	1672.1	1683.8	1689.7	1698.8	1708.8
12.5°	1607.9	1617.1	1622.9	1632.9	1642.9	1649.6	1659.6	1670.5	1679.6	1688.8	1700.5
15°	1588.7	1599.6	1606.2	1617.1	1627.9	1637.1	1647.9	1661.3	1668.0	1678.8	1689.7
17.5°	1567.9	1579.6	1587.9	1597.9	1611.2	1621.2	1630.4	1643.8	1652.1	1663.8	1676.3
20°	1546.2	1557.9	1567.9	1577.9	1591.2	1601.2	1612.1	1625.4	1634.6	1646.3	1656.3
22.5°	1520.4	1531.2	1542.0	1553.7	1567.0	1575.4	1587.9	1599.6	1609.6	1620.4	1630.4
25°	1487.0	1500.3	1508.7	1519.5	1530.3	1539.5	1552.9	1564.5	1572.9	1582.9	1592.1
27.5°	1447.8	1457.8	1464.5	1473.6	1484.5	1492.8	1502.8	1514.5	1522.9	1532.0	1538.7
30°	1381.1	1390.3	1396.1	1402.7	1413.6	1421.1	1429.5	1440.3	1446.1	1452.8	1458.6
32.5°	1293.5	1301.0	1304.3	1309.3	1316.9	1324.3	1331.0	1340.2	1342.7	1346.9	1346.9
35°	1166.7	1168.4	1167.6	1169.3	1172.6	1176.7	1182.6	1188.4	1191.7	1191.7	1189.3
37.5°	1018.3	1008.3	997.4	989.1	986.6	984.9	988.3	990.8	994.1	995.8	991.6
40°	864.0	841.5	817.3	795.6	780.6	773.9	771.4	773.1	773.1	778.9	778.9
42.5°	731.4	696.4	660.5	628.0	606.3	589.6	582.1	582.1	582.9	587.1	589.6
45°	621.3	577.1	535.4	499.6	469.5	447.8	437.8	435.3	434.5	436.2	442.0
47.5°	537.1	491.2	447.8	403.7	372.0	350.3	341.1	337.7	334.4	337.7	338.6
50°	471.2	423.7	377.8	333.6	300.2	281.0	269.4	264.4	263.5	263.5	265.2
52.5°	411.1	367.0	321.1	276.1	241.0	222.7	211.8	209.3	206.0	209.3	209.3
55°	354.4	310.2	265.2	222.7	193.5	174.3	164.3	161.0	159.3	161.8	161.8
57.5°	292.7	255.2	213.5	175.1	146.0	132.6	125.1	120.9	120.1	121.8	120.1
60°	240.2	208.5	172.6	137.6	115.1	100.9	95.1	93.4	91.7	93.4	93.4
62.5°	190.1	163.5	134.3	107.6	88.4	78.4	71.7	71.7	70.9	70.9	71.7
65°	140.9	120.1	99.2	76.7	61.7	54.2	49.2	49.2	48.4	49.2	48.4
67.5°	102.6	88.4	71.7	55.9	44.2	40.0	36.7	34.2	35.9	34.2	33.4
70°	75.1	63.4	51.7	42.5	34.2	30.0	27.5	26.7	25.0	25.0	25.0
72.5°	50.0	42.5	35.0	27.5	22.5	18.3	17.5	15.9	14.2	15.0	16.7
75°	33.4	28.4	25.0	20.0	15.0	15.0	10.0	10.0	8.3	10.0	7.5
77.5°	23.3	19.2	15.0	12.5	10.0	9.2	6.7	6.7	5.8	5.8	5.8
80°	16.7	14.2	10.8	9.2	6.7	6.7	5.8	5.0	4.2	4.2	5.0
82.5°	10.0	7.5	7.5	6.7	4.2	3.3	2.5	3.3	1.7	1.7	1.7
85°	5.8	5.0	4.2	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°	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0
2.5°	1718.0	1717.1	1718.8	1718.8	1723.8	1723.0	1725.5	1725.5	1723.8	1724.7	1728.0
5°	1723.8	1726.3	1731.3	1735.5	1743.0	1746.4	1750.5	1754.7	1755.5	1758.0	1760.5
7.5°	1723.8	1732.2	1738.0	1745.5	1755.5	1761.4	1770.5	1778.0	1781.4	1785.5	1790.5
10°	1720.5	1728.8	1739.7	1748.0	1760.5	1769.7	1778.9	1790.5	1795.6	1802.2	1808.9
12.5°	1713.8	1723.0	1734.7	1745.5	1759.7	1768.0	1779.7	1790.5	1798.1	1807.2	1814.7
15°	1703.8	1714.6	1725.5	1736.3	1751.3	1761.4	1772.2	1784.7	1792.2	1802.2	1808.9
17.5°	1688.0	1699.6	1709.7	1719.7	1733.8	1745.5	1755.5	1767.2	1774.7	1783.1	1792.2
20°	1668.8	1679.6	1690.5	1698.8	1713.0	1723.0	1733.8	1744.7	1750.5	1752.2	1766.4
22.5°	1644.6	1652.1	1660.4	1673.8	1682.1	1691.3	1701.3	1711.3	1717.1	1726.3	1731.3
25°	1604.6	1612.1	1621.2	1627.1	1637.1	1644.6	1654.6	1665.5	1668.8	1675.5	1680.5
27.5°	1548.7	1552.9	1557.0	1562.0	1567.9	1572.0	1577.9	1582.9	1586.2	1589.6	1592.9
30°	1460.3	1460.3	1460.3	1456.9	1459.5	1462.0	1462.8	1462.0	1462.0	1461.1	1461.1
32.5°	1343.5	1336.9	1329.4	1322.7	1320.2	1316.9	1315.2	1312.7	1308.5	1306.0	1306.8
35°	1185.9	1170.9	1161.7	1153.4	1146.7	1141.7	1139.2	1136.7	1135.9	1132.6	1129.2
37.5°	989.1	978.3	971.6	966.6	960.7	955.7	956.6	957.4	959.9	958.2	959.1
40°	780.6	778.1	780.6	774.8	773.1	774.8	778.9	784.8	788.1	791.4	797.3
42.5°	593.8	597.9	603.8	603.8	606.3	609.7	614.6	623.8	628.8	634.6	641.3
45°	447.0	452.0	459.5	462.0	463.7	467.8	473.7	481.2	484.5	489.5	495.4
47.5°	344.4	347.8	351.9	356.1	360.3	361.9	367.8	367.8	372.0	375.3	376.9
50°	268.5	271.9	275.2	277.7	279.4	281.9	283.5	286.0	286.9	288.6	289.4
52.5°	210.2	214.3	214.3	216.0	218.5	221.0	220.2	221.0	221.8	221.8	224.3
55°	164.3	164.3	166.8	166.8	168.5	167.6	168.5	168.5	168.5	168.5	169.3
57.5°	122.6	123.4	125.9	124.3	123.4	125.1	123.4	125.1	124.3	125.9	123.4
60°	94.2	94.2	95.1	95.1	95.9	95.9	95.9	95.1	95.1	94.2	94.2
62.5°	70.9	71.7	72.6	71.7	71.7	71.7	70.9	70.9	70.1	69.2	69.2
65°	47.5	46.7	48.4	46.7	47.5	47.5	46.7	47.5	45.0	45.9	45.0
67.5°	34.2	33.4	32.5	33.4	32.5	31.7	31.7	32.5	33.4	30.9	30.9
70°	22.5	23.3	22.5	23.3	24.2	24.2	23.3	22.5	23.3	21.7	22.5
72.5°	14.2	14.2	14.2	14.2	14.2	15.0	15.0	15.0	13.4	13.4	12.5
75°	6.7	9.2	7.5	6.7	9.2	9.2	8.3	8.3	7.5	7.5	7.5
77.5°	6.7	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.2	5.0	4.2
80°	3.3	3.3	3.3	2.5	3.3	3.3	4.2	3.3	3.3	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: P244953

CATALOG NUMBER: LD8B30D010 ER8B30827 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0
2.5°	1727.2	1726.3	1727.2	1728.0	1727.2	1726.3	1727.2	1728.0	1724.7	1723.8	1725.5
5°	1763.9	1763.9	1765.5	1766.4	1765.5	1763.9	1763.9	1760.5	1758.0	1755.5	1754.7
7.5°	1795.6	1797.2	1798.9	1799.7	1798.9	1797.2	1795.6	1790.5	1785.5	1781.4	1778.0
10°	1814.7	1817.2	1820.6	1822.2	1820.6	1817.2	1814.7	1808.9	1802.2	1795.6	1790.5
12.5°	1823.1	1825.6	1829.7	1828.9	1829.7	1825.6	1823.1	1814.7	1807.2	1798.1	1790.5
15°	1817.2	1820.6	1824.7	1826.4	1824.7	1820.6	1817.2	1808.9	1802.2	1792.2	1784.7
17.5°	1798.9	1803.9	1806.4	1808.9	1806.4	1803.9	1798.9	1792.2	1783.1	1774.7	1767.2
20°	1773.9	1777.2	1780.6	1781.4	1780.6	1777.2	1773.9	1766.4	1752.2	1750.5	1744.7
22.5°	1738.0	1740.5	1748.0	1745.5	1748.0	1740.5	1738.0	1731.3	1726.3	1717.1	1711.3
25°	1686.3	1688.8	1689.7	1690.5	1689.7	1688.8	1686.3	1680.5	1675.5	1668.8	1665.5
27.5°	1597.1	1597.1	1598.7	1599.6	1598.7	1597.1	1597.1	1592.9	1589.6	1586.2	1582.9
30°	1462.0	1462.0	1462.0	1466.1	1462.0	1462.0	1462.0	1461.1	1461.1	1462.0	1462.0
32.5°	1306.0	1304.3	1302.7	1304.3	1302.7	1304.3	1306.0	1306.8	1306.0	1308.5	1312.7
35°	1129.2	1128.4	1130.9	1127.5	1130.9	1128.4	1129.2	1129.2	1132.6	1135.9	1136.7
37.5°	959.9	958.2	961.6	958.2	961.6	958.2	959.9	959.1	958.2	959.9	957.4
40°	799.0	800.6	800.6	807.3	800.6	800.6	799.0	797.3	791.4	788.1	784.8
42.5°	644.7	649.7	648.0	653.0	648.0	649.7	644.7	641.3	634.6	628.8	623.8
45°	498.7	502.1	502.1	503.7	502.1	502.1	498.7	495.4	489.5	484.5	481.2
47.5°	382.8	382.8	382.8	383.6	382.8	382.8	382.8	376.9	375.3	372.0	367.8
50°	291.1	291.9	292.7	293.6	292.7	291.9	291.1	289.4	288.6	286.9	286.0
52.5°	223.5	224.3	222.7	224.3	222.7	224.3	223.5	224.3	221.8	221.8	221.0
55°	169.3	168.5	169.3	170.1	169.3	168.5	169.3	169.3	168.5	168.5	168.5
57.5°	124.3	122.6	122.6	122.6	122.6	122.6	124.3	123.4	125.9	124.3	125.1
60°	92.6	93.4	93.4	94.2	93.4	93.4	92.6	94.2	94.2	95.1	95.1
62.5°	68.4	70.9	69.2	70.9	69.2	70.9	68.4	69.2	69.2	70.1	70.9
65°	44.2	44.2	44.2	45.0	44.2	44.2	44.2	45.0	45.9	45.0	47.5
67.5°	30.0	30.9	32.5	31.7	32.5	30.9	30.0	30.9	30.9	33.4	32.5
70°	24.2	21.7	21.7	24.2	21.7	21.7	24.2	22.5	21.7	23.3	22.5
72.5°	14.2	12.5	14.2	14.2	14.2	12.5	14.2	12.5	13.4	13.4	15.0
75°	7.5	6.7	5.8	8.3	5.8	6.7	7.5	7.5	7.5	7.5	8.3
77.5°	5.0	4.2	5.8	5.8	5.8	4.2	5.0	4.2	5.0	4.2	5.0
80°	2.5	3.3	2.5	4.2	2.5	3.3	2.5	4.2	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: P244953

CATALOG NUMBER: LD8B30D010 ER8B30827 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0
2.5°	1725.5	1723.0	1723.8	1718.8	1718.8	1717.1	1718.0	1713.8	1712.2	1710.5	1713.0
5°	1750.5	1746.4	1743.0	1735.5	1731.3	1726.3	1723.8	1717.1	1711.3	1706.3	1705.5
7.5°	1770.5	1761.4	1755.5	1745.5	1738.0	1732.2	1723.8	1714.6	1707.2	1700.5	1695.5
10°	1778.9	1769.7	1760.5	1748.0	1739.7	1728.8	1720.5	1708.8	1698.8	1689.7	1683.8
12.5°	1779.7	1768.0	1759.7	1745.5	1734.7	1723.0	1713.8	1700.5	1688.8	1679.6	1670.5
15°	1772.2	1761.4	1751.3	1736.3	1725.5	1714.6	1703.8	1689.7	1678.8	1668.0	1661.3
17.5°	1755.5	1745.5	1733.8	1719.7	1709.7	1699.6	1688.0	1676.3	1663.8	1652.1	1643.8
20°	1733.8	1723.0	1713.0	1698.8	1690.5	1679.6	1668.8	1656.3	1646.3	1634.6	1625.4
22.5°	1701.3	1691.3	1682.1	1673.8	1660.4	1652.1	1644.6	1630.4	1620.4	1609.6	1599.6
25°	1654.6	1644.6	1637.1	1627.1	1621.2	1612.1	1604.6	1592.1	1582.9	1572.9	1564.5
27.5°	1577.9	1572.0	1567.9	1562.0	1557.0	1552.9	1548.7	1538.7	1532.0	1522.9	1514.5
30°	1462.8	1462.0	1459.5	1456.9	1460.3	1460.3	1460.3	1458.6	1452.8	1446.1	1440.3
32.5°	1315.2	1316.9	1320.2	1322.7	1329.4	1336.9	1343.5	1346.9	1346.9	1342.7	1340.2
35°	1139.2	1141.7	1146.7	1153.4	1161.7	1170.9	1185.9	1189.3	1191.7	1191.7	1188.4
37.5°	956.6	955.7	960.7	966.6	971.6	978.3	989.1	991.6	995.8	994.1	990.8
40°	778.9	774.8	773.1	774.8	780.6	778.1	780.6	778.9	778.9	773.1	773.1
42.5°	614.6	609.7	606.3	603.8	603.8	597.9	593.8	589.6	587.1	582.9	582.1
45°	473.7	467.8	463.7	462.0	459.5	452.0	447.0	442.0	436.2	434.5	435.3
47.5°	367.8	361.9	360.3	356.1	351.9	347.8	344.4	338.6	337.7	334.4	337.7
50°	283.5	281.9	279.4	277.7	275.2	271.9	268.5	265.2	263.5	263.5	264.4
52.5°	220.2	221.0	218.5	216.0	214.3	214.3	210.2	209.3	209.3	206.0	209.3
55°	168.5	167.6	168.5	166.8	166.8	164.3	164.3	161.8	161.8	159.3	161.0
57.5°	123.4	125.1	123.4	124.3	125.9	123.4	122.6	120.1	121.8	120.1	120.9
60°	95.9	95.9	95.9	95.1	95.1	94.2	94.2	93.4	93.4	91.7	93.4
62.5°	70.9	71.7	71.7	71.7	72.6	71.7	70.9	71.7	70.9	70.9	71.7
65°	46.7	47.5	47.5	46.7	48.4	46.7	47.5	48.4	49.2	48.4	49.2
67.5°	31.7	31.7	32.5	33.4	32.5	33.4	34.2	33.4	34.2	35.9	34.2
70°	23.3	24.2	24.2	23.3	22.5	23.3	22.5	25.0	25.0	25.0	26.7
72.5°	15.0	15.0	14.2	14.2	14.2	14.2	14.2	16.7	15.0	14.2	15.9
75°	8.3	9.2	9.2	6.7	7.5	9.2	6.7	7.5	10.0	8.3	10.0
77.5°	5.0	5.0	5.0	5.0	5.0	5.0	6.7	5.8	5.8	5.8	6.7
80°	4.2	3.3	3.3	2.5	3.3	3.3	3.3	5.0	4.2	4.2	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: P244953

CATALOG NUMBER: LD8B30D010 ER8B30827 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0
2.5°	1706.3	1706.3	1705.5	1703.8	1700.5	1700.5	1699.6	1697.1	1695.5	1694.6	1694.6
5°	1698.0	1694.6	1691.3	1682.1	1682.1	1680.5	1675.5	1672.1	1670.5	1666.3	1664.6
7.5°	1690.5	1680.5	1674.6	1668.8	1661.3	1657.9	1652.1	1649.6	1643.8	1639.6	1637.1
10°	1672.1	1665.5	1657.9	1648.8	1642.9	1636.3	1629.6	1624.6	1617.1	1612.9	1609.6
12.5°	1659.6	1649.6	1642.9	1632.9	1622.9	1617.1	1607.9	1602.1	1594.6	1586.2	1581.2
15°	1647.9	1637.1	1627.9	1617.1	1606.2	1599.6	1588.7	1582.1	1571.2	1562.9	1557.0
17.5°	1630.4	1621.2	1611.2	1597.9	1587.9	1579.6	1567.9	1559.6	1549.5	1538.7	1532.8
20°	1612.1	1601.2	1591.2	1577.9	1567.9	1557.9	1546.2	1537.0	1525.3	1515.3	1508.7
22.5°	1587.9	1575.4	1567.0	1553.7	1542.0	1531.2	1520.4	1509.5	1498.7	1490.3	1482.8
25°	1552.9	1539.5	1530.3	1519.5	1508.7	1500.3	1487.0	1480.3	1469.5	1462.0	1454.4
27.5°	1502.8	1492.8	1484.5	1473.6	1464.5	1457.8	1447.8	1441.1	1431.9	1425.3	1419.4
30°	1429.5	1421.1	1413.6	1402.7	1396.1	1390.3	1381.1	1375.2	1368.6	1361.0	1359.4
32.5°	1331.0	1324.3	1316.9	1309.3	1304.3	1301.0	1293.5	1290.2	1283.5	1279.3	1275.2
35°	1182.6	1176.7	1172.6	1169.3	1167.6	1168.4	1166.7	1170.1	1171.7	1170.9	1171.7
37.5°	988.3	984.9	986.6	989.1	997.4	1008.3	1018.3	1033.3	1043.3	1053.3	1062.5
40°	771.4	773.9	780.6	795.6	817.3	841.5	864.0	892.4	920.7	940.7	959.1
42.5°	582.1	589.6	606.3	628.0	660.5	696.4	731.4	773.1	807.3	840.6	864.0
45°	437.8	447.8	469.5	499.6	535.4	577.1	621.3	668.0	708.9	743.1	768.9
47.5°	341.1	350.3	372.0	403.7	447.8	491.2	537.1	585.5	628.0	661.3	683.9
50°	269.4	281.0	300.2	333.6	377.8	423.7	471.2	518.7	558.8	587.1	607.1
52.5°	211.8	222.7	241.0	276.1	321.1	367.0	411.1	457.9	492.9	520.4	533.8
55°	164.3	174.3	193.5	222.7	265.2	310.2	354.4	394.5	427.0	447.0	459.5
57.5°	125.1	132.6	146.0	175.1	213.5	255.2	292.7	332.8	357.8	372.0	380.3
60°	95.1	100.9	115.1	137.6	172.6	208.5	240.2	270.2	290.2	301.9	310.2
62.5°	71.7	78.4	88.4	107.6	134.3	163.5	190.1	212.7	229.3	236.9	242.7
65°	49.2	54.2	61.7	76.7	99.2	120.1	140.9	157.6	168.5	176.8	180.1
67.5°	36.7	40.0	44.2	55.9	71.7	88.4	102.6	114.2	125.9	129.3	135.1
70°	27.5	30.0	34.2	42.5	51.7	63.4	75.1	81.7	90.1	95.9	97.6
72.5°	17.5	18.3	22.5	27.5	35.0	42.5	50.0	55.9	60.9	64.2	65.9
75°	10.0	15.0	15.0	20.0	25.0	28.4	33.4	37.5	40.0	42.5	42.5
77.5°	6.7	9.2	10.0	12.5	15.0	19.2	23.3	25.8	28.4	29.2	29.2
80°	5.8	6.7	6.7	9.2	10.8	14.2	16.7	17.5	19.2	20.0	21.7
82.5°	2.5	3.3	4.2	6.7	7.5	7.5	10.0	10.8	12.5	13.4	13.4
85°	0.8	1.7	1.7	2.5	4.2	5.0	5.8	6.7	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: P244953

CATALOG NUMBER: LD8B30D010 ER8B30827 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0
2.5°	1693.0	1693.8	1690.5	1689.7	1688.0	1688.8	1690.5
5°	1662.1	1662.9	1659.6	1656.3	1656.3	1655.4	1656.3
7.5°	1632.9	1633.8	1628.8	1627.1	1623.7	1624.6	1624.6
10°	1603.7	1603.7	1596.2	1595.4	1592.9	1592.1	1592.1
12.5°	1575.4	1572.9	1567.0	1563.7	1565.4	1560.4	1560.4
15°	1550.4	1546.2	1538.7	1536.2	1532.0	1530.3	1530.3
17.5°	1524.5	1521.2	1514.5	1509.5	1504.5	1503.7	1504.5
20°	1499.5	1496.2	1487.8	1484.5	1480.3	1480.3	1478.6
22.5°	1474.5	1471.1	1463.6	1461.1	1455.3	1455.3	1456.1
25°	1448.6	1446.1	1437.8	1436.1	1435.3	1431.9	1433.6
27.5°	1413.6	1411.9	1405.3	1402.7	1399.4	1398.6	1400.2
30°	1349.4	1346.9	1341.9	1339.4	1333.5	1334.4	1336.0
32.5°	1269.3	1266.0	1259.3	1256.8	1251.8	1250.1	1251.0
35°	1169.3	1166.7	1160.9	1160.9	1155.9	1154.2	1155.9
37.5°	1067.5	1070.0	1067.5	1070.0	1067.5	1066.6	1067.5
40°	971.6	980.8	982.4	991.6	988.3	993.3	992.4
42.5°	879.8	894.8	900.7	908.2	906.5	909.9	912.4
45°	787.3	799.8	805.6	810.6	811.5	813.1	814.0
47.5°	699.7	709.7	710.5	716.4	715.6	715.6	718.1
50°	618.0	624.7	626.3	630.5	627.2	625.5	626.3
52.5°	542.1	548.8	547.1	548.8	544.6	542.9	543.7
55°	464.5	467.8	467.8	467.8	462.9	462.9	462.9
57.5°	385.3	386.1	384.5	385.3	384.5	379.5	378.6
60°	312.8	312.8	311.9	312.8	310.2	307.7	307.7
62.5°	244.3	246.0	249.4	246.0	244.3	246.0	243.5
65°	182.7	186.0	185.1	186.8	186.0	186.0	184.3
67.5°	137.6	138.4	139.3	140.1	140.1	140.1	140.1
70°	100.9	103.4	102.6	102.6	102.6	102.6	107.6
72.5°	67.6	70.9	70.1	71.7	71.7	73.4	71.7
75°	45.9	49.2	47.5	50.0	49.2	47.5	51.7
77.5°	30.9	32.5	33.4	34.2	33.4	32.5	33.4
80°	21.7	23.3	22.5	23.3	23.3	23.3	24.2
82.5°	13.4	15.9	15.0	15.9	15.0	15.9	15.9
85°	9.2	10.0	8.3	10.0	9.2	9.2	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)