

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: P245967

Luminaire Tested: **LD8B30D010 ER8B30830 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245967  
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 ER8B30830 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 3000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2944.0 lumens  
Efficiency: N/A  
Efficacy: 108.6 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

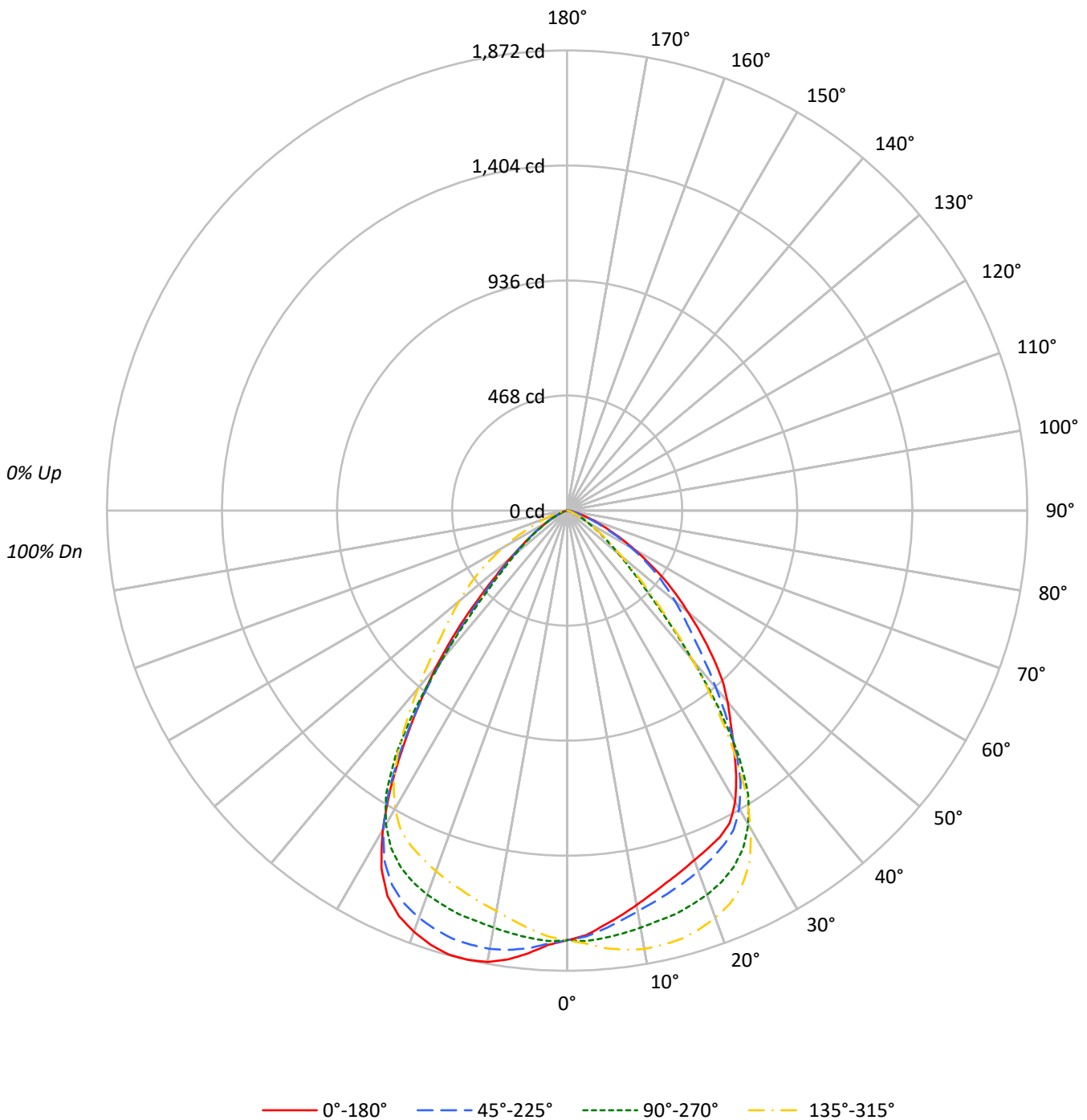
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	53896	53896	53896	53896
5°	52464	54021	55950	54021
10°	51010	53951	58388	53951
15°	49993	54271	59663	54271
20°	49653	54582	59819	54582
25°	49913	54473	58855	54473
30°	48678	52477	53421	52477
35°	44526	45779	43434	45779
40°	40878	31845	33254	31845
45°	36322	19428	22476	19428
50°	30746	12977	14411	12977
55°	25461	8855	9360	8855
60°	19421	5896	5945	5896
65°	13761	3670	3364	3670
70°	9927	2461	2236	2461
75°	6303	1227	1013	1227
80°	4404	906	764	906
85°	3927	0	283	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	166.4	5.7
10°-20°	481.7	16.4
20°-30°	729.4	24.8
30°-40°	731.1	24.8
40°-50°	459.1	15.6
50°-60°	244.6	8.3
60°-70°	100.6	3.4
70°-80°	26.6	0.9
80°-90°	4.5	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°	1377.5	46.8
0°-40°	2108.6	71.6
0°-60°	2812.3	95.5
0°-90°	2944.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2944.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1748	1748	1748	1748	1748	
5°	1695	1745	1808	1745	1695	160
15°	1566	1700	1869	1700	1566	443
25°	1467	1601	1730	1601	1467	673
35°	1183	1216	1154	1216	1183	741
45°	833	446	515	446	833	641
55°	474	165	174	165	474	422
65°	189	50	46	50	189	196
75°	53	10	8	10	53	60
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°	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8
2.5°	1729.8	1728.1	1727.3	1729.0	1729.8	1733.3	1732.4	1734.1	1734.1	1735.0	1736.7
5°	1694.9	1694.0	1694.9	1694.9	1698.3	1701.7	1700.8	1703.4	1705.1	1709.4	1711.1
7.5°	1662.4	1662.4	1661.6	1665.0	1666.7	1671.8	1670.9	1675.2	1677.8	1682.0	1688.0
10°	1629.1	1629.1	1630.0	1632.5	1633.4	1641.1	1641.1	1647.1	1650.5	1654.7	1662.4
12.5°	1596.7	1596.7	1601.8	1600.1	1603.5	1609.5	1612.1	1618.0	1623.2	1631.7	1639.4
15°	1566.0	1566.0	1567.7	1572.0	1574.5	1582.2	1586.5	1593.3	1599.3	1607.8	1618.9
17.5°	1539.5	1538.7	1539.5	1544.7	1549.8	1556.6	1560.0	1568.5	1574.5	1585.6	1595.9
20°	1513.1	1514.8	1514.8	1519.1	1522.5	1531.0	1534.4	1543.8	1550.6	1560.9	1572.8
22.5°	1490.0	1489.2	1489.2	1495.2	1497.7	1505.4	1508.8	1517.3	1525.0	1533.6	1544.7
25°	1467.0	1465.3	1468.7	1469.6	1471.2	1479.8	1482.3	1488.3	1496.0	1503.7	1514.8
27.5°	1432.8	1431.2	1432.0	1435.4	1438.0	1444.8	1446.5	1452.5	1458.5	1465.3	1474.7
30°	1367.1	1365.4	1364.6	1370.6	1373.1	1378.2	1380.8	1391.0	1392.7	1400.4	1407.2
32.5°	1280.1	1279.2	1281.0	1286.1	1288.6	1295.5	1298.9	1304.8	1309.1	1313.4	1320.2
35°	1182.8	1181.1	1182.8	1187.9	1187.9	1193.9	1196.5	1199.0	1198.2	1199.0	1197.3
37.5°	1092.4	1091.5	1092.4	1094.9	1092.4	1094.9	1092.4	1087.2	1077.9	1067.6	1057.3
40°	1015.5	1016.4	1011.3	1014.7	1005.3	1003.6	994.2	981.4	962.6	942.2	913.2
42.5°	933.6	931.1	927.7	929.3	921.7	915.7	900.3	884.1	860.2	826.1	791.1
45°	832.9	832.1	830.4	829.5	824.4	818.4	805.6	786.8	760.4	725.4	683.6
47.5°	734.8	732.2	732.2	733.1	727.1	726.2	716.0	699.8	676.7	642.6	599.1
50°	640.9	640.0	641.8	645.2	640.9	639.2	632.4	621.3	600.8	571.8	530.8
52.5°	556.4	555.6	557.3	561.5	559.8	561.5	554.7	546.2	532.5	504.3	468.5
55°	473.6	473.6	473.6	478.7	478.7	478.7	475.3	470.2	457.4	436.9	403.7
57.5°	387.4	388.3	393.4	394.3	393.4	395.1	394.3	389.1	380.6	366.1	340.5
60°	314.9	314.9	317.5	320.0	319.2	320.0	320.0	317.5	308.9	297.0	276.5
62.5°	249.2	251.8	250.0	251.8	255.2	251.8	250.0	248.3	242.4	234.7	217.6
65°	188.6	190.3	190.3	191.2	189.4	190.3	186.9	184.3	180.9	172.4	161.3
67.5°	143.4	143.4	143.4	143.4	142.5	141.7	140.8	138.3	132.3	128.9	116.9
70°	110.1	105.0	105.0	105.0	105.0	105.8	103.3	99.9	98.1	92.2	83.6
72.5°	73.4	75.1	73.4	73.4	71.7	72.5	69.1	67.4	65.7	62.3	57.2
75°	52.9	48.7	50.3	51.2	48.7	50.3	46.9	43.5	43.5	41.0	38.4
77.5°	34.1	33.3	34.1	35.0	34.1	33.3	31.6	29.9	29.9	29.0	26.5
80°	24.8	23.9	23.9	23.9	23.0	23.9	22.2	22.2	20.5	19.6	17.9
82.5°	16.2	16.2	15.4	16.2	15.4	16.2	13.7	13.7	13.7	12.8	11.1
85°	11.1	9.4	9.4	10.3	8.5	10.3	9.4	8.5	7.7	7.7	6.8
87.5°	5.1	6.0	5.1	6.0	5.1	5.1	6.0	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°	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8
2.5°	1739.2	1740.1	1740.1	1743.5	1745.2	1746.0	1746.0	1752.9	1750.3	1752.0	1753.7
5°	1714.5	1719.6	1721.3	1721.3	1730.7	1734.1	1737.5	1745.2	1746.0	1751.2	1757.1
7.5°	1690.6	1696.5	1700.0	1707.6	1713.6	1719.6	1729.8	1735.0	1740.1	1746.9	1754.6
10°	1667.5	1674.4	1681.2	1687.2	1696.5	1704.2	1711.1	1723.0	1729.0	1738.4	1748.6
12.5°	1645.4	1654.7	1660.7	1670.9	1681.2	1688.0	1698.3	1709.4	1718.7	1728.1	1740.1
15°	1625.7	1636.8	1643.6	1654.7	1665.8	1675.2	1686.3	1700.0	1706.8	1717.9	1729.0
17.5°	1604.4	1616.4	1624.9	1635.1	1648.8	1659.0	1668.4	1682.0	1690.6	1702.5	1715.3
20°	1582.2	1594.2	1604.4	1614.6	1628.3	1638.5	1649.6	1663.3	1672.7	1684.6	1694.9
22.5°	1555.8	1566.9	1577.9	1589.9	1603.5	1612.1	1624.9	1636.8	1647.1	1658.2	1668.4
25°	1521.6	1535.3	1543.8	1554.9	1566.0	1575.4	1589.0	1601.0	1609.5	1619.8	1629.1
27.5°	1481.5	1491.8	1498.6	1508.0	1519.1	1527.6	1537.8	1549.8	1558.3	1567.7	1574.5
30°	1413.2	1422.6	1428.6	1435.4	1446.5	1454.2	1462.7	1473.8	1479.8	1486.6	1492.6
32.5°	1323.6	1331.3	1334.7	1339.8	1347.5	1355.2	1362.0	1371.4	1374.0	1378.2	1378.2
35°	1193.9	1195.6	1194.8	1196.5	1199.9	1204.1	1210.1	1216.1	1219.5	1219.5	1217.0
37.5°	1042.0	1031.8	1020.7	1012.1	1009.6	1007.9	1011.3	1013.8	1017.3	1019.0	1014.7
40°	884.1	861.1	836.3	814.1	798.8	792.0	789.4	791.1	791.1	797.1	797.1
42.5°	748.4	712.6	675.9	642.6	620.4	603.4	595.7	595.7	596.5	600.8	603.4
45°	635.8	590.5	547.9	511.2	480.5	458.3	448.0	445.5	444.6	446.3	452.3
47.5°	549.6	502.7	458.3	413.1	380.6	358.4	349.1	345.6	342.2	345.6	346.5
50°	482.2	433.5	386.6	341.4	307.2	287.6	275.6	270.5	269.7	269.7	271.4
52.5°	420.7	375.5	328.6	282.5	246.6	227.9	216.8	214.2	210.8	214.2	214.2
55°	362.7	317.5	271.4	227.9	198.0	178.4	168.1	164.7	163.0	165.6	165.6
57.5°	299.6	261.1	218.5	179.2	149.4	135.7	128.0	123.8	122.9	124.6	122.9
60°	245.8	213.4	176.7	140.8	117.8	103.3	97.3	95.6	93.9	95.6	95.6
62.5°	194.6	167.3	137.4	110.1	90.5	80.2	73.4	73.4	72.5	72.5	73.4
65°	144.2	122.9	101.6	78.5	63.2	55.5	50.3	50.3	49.5	50.3	49.5
67.5°	105.0	90.5	73.4	57.2	45.2	41.0	37.6	35.0	36.7	35.0	34.1
70°	76.8	64.8	52.9	43.5	35.0	30.7	28.2	27.3	25.6	25.6	25.6
72.5°	51.2	43.5	35.8	28.2	23.0	18.8	17.9	16.2	14.5	15.4	17.1
75°	34.1	29.0	25.6	20.5	15.4	15.4	10.3	10.3	8.5	10.3	7.7
77.5°	23.9	19.6	15.4	12.8	10.3	9.4	6.8	6.8	6.0	6.0	6.0
80°	17.1	14.5	11.1	9.4	6.8	6.8	6.0	5.1	4.3	4.3	5.1
82.5°	10.3	7.7	7.7	6.8	4.3	3.4	2.6	3.4	1.7	1.7	1.7
85°	6.0	5.1	4.3	2.6	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°	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8
2.5°	1758.0	1757.1	1758.9	1758.9	1764.0	1763.1	1765.7	1765.7	1764.0	1764.8	1768.2
5°	1764.0	1766.6	1771.6	1775.9	1783.6	1787.0	1791.3	1795.6	1796.4	1799.0	1801.5
7.5°	1764.0	1772.5	1778.5	1786.2	1796.4	1802.4	1811.8	1819.5	1822.9	1827.1	1832.2
10°	1760.5	1769.1	1780.2	1788.7	1801.5	1810.9	1820.3	1832.2	1837.4	1844.2	1851.0
12.5°	1753.7	1763.1	1775.1	1786.2	1800.7	1809.2	1821.1	1832.2	1839.9	1849.3	1857.0
15°	1743.5	1754.6	1765.7	1776.8	1792.1	1802.4	1813.5	1826.3	1834.0	1844.2	1851.0
17.5°	1727.3	1739.2	1749.5	1759.7	1774.2	1786.2	1796.4	1808.4	1816.0	1824.6	1834.0
20°	1707.6	1718.7	1729.8	1738.4	1752.9	1763.1	1774.2	1785.3	1791.3	1793.0	1807.5
22.5°	1682.9	1690.6	1699.1	1712.8	1721.3	1730.7	1740.9	1751.2	1757.1	1766.6	1771.6
25°	1641.9	1649.6	1659.0	1665.0	1675.2	1682.9	1693.1	1704.2	1707.6	1714.5	1719.6
27.5°	1584.8	1589.0	1593.3	1598.4	1604.4	1608.7	1614.6	1619.8	1623.2	1626.6	1630.0
30°	1494.3	1494.3	1494.3	1490.9	1493.4	1496.0	1496.9	1496.0	1496.0	1495.2	1495.2
32.5°	1374.8	1368.0	1360.3	1353.5	1350.9	1347.5	1345.8	1343.2	1339.0	1336.4	1337.3
35°	1213.5	1198.2	1188.8	1180.3	1173.4	1168.3	1165.7	1163.2	1162.3	1158.9	1155.5
37.5°	1012.1	1001.0	994.2	989.1	983.1	978.0	978.8	979.7	982.2	980.6	981.4
40°	798.8	796.2	798.8	792.8	791.1	792.8	797.1	803.1	806.5	809.9	815.9
42.5°	607.6	611.9	617.9	617.9	620.4	623.8	628.9	638.4	643.4	649.4	656.3
45°	457.4	462.5	470.2	472.8	474.5	478.7	484.7	492.4	495.8	500.9	506.9
47.5°	352.5	355.9	360.1	364.4	368.7	370.4	376.3	376.3	380.6	384.0	385.7
50°	274.8	278.2	281.6	284.2	285.9	288.5	290.1	292.7	293.6	295.3	296.1
52.5°	215.0	219.3	219.3	221.0	223.6	226.1	225.3	226.1	227.0	227.0	229.6
55°	168.1	168.1	170.7	170.7	172.4	171.5	172.4	172.4	172.4	172.4	173.2
57.5°	125.4	126.3	128.9	127.2	126.3	128.0	126.3	128.0	127.2	128.9	126.3
60°	96.4	96.4	97.3	97.3	98.1	98.1	98.1	97.3	97.3	96.4	96.4
62.5°	72.5	73.4	74.3	73.4	73.4	73.4	72.5	72.5	71.7	70.8	70.8
65°	48.7	47.8	49.5	47.8	48.7	48.7	47.8	48.7	46.1	46.9	46.1
67.5°	35.0	34.1	33.3	34.1	33.3	32.4	32.4	33.3	34.1	31.6	31.6
70°	23.0	23.9	23.0	23.9	24.8	24.8	23.9	23.0	23.9	22.2	23.0
72.5°	14.5	14.5	14.5	14.5	14.5	15.4	15.4	15.4	13.7	13.7	12.8
75°	6.8	9.4	7.7	6.8	9.4	9.4	8.5	8.5	7.7	7.7	7.7
77.5°	6.8	5.1	5.1	5.1	5.1	5.1	5.1	5.1	4.3	5.1	4.3
80°	3.4	3.4	3.4	2.6	3.4	3.4	4.3	3.4	3.4	2.6	4.3
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: P245967

CATALOG NUMBER: LD8B30D010 ER8B30830 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8
2.5°	1767.4	1766.6	1767.4	1768.2	1767.4	1766.6	1767.4	1768.2	1764.8	1764.0	1765.7
5°	1804.9	1804.9	1806.6	1807.5	1806.6	1804.9	1804.9	1801.5	1799.0	1796.4	1795.6
7.5°	1837.4	1839.1	1840.8	1841.6	1840.8	1839.1	1837.4	1832.2	1827.1	1822.9	1819.5
10°	1857.0	1859.6	1863.0	1864.7	1863.0	1859.6	1857.0	1851.0	1844.2	1837.4	1832.2
12.5°	1865.5	1868.1	1872.4	1871.5	1872.4	1868.1	1865.5	1857.0	1849.3	1839.9	1832.2
15°	1859.6	1863.0	1867.2	1868.9	1867.2	1863.0	1859.6	1851.0	1844.2	1834.0	1826.3
17.5°	1840.8	1845.9	1848.5	1851.0	1848.5	1845.9	1840.8	1834.0	1824.6	1816.0	1808.4
20°	1815.2	1818.6	1822.0	1822.9	1822.0	1818.6	1815.2	1807.5	1793.0	1791.3	1785.3
22.5°	1778.5	1781.1	1788.7	1786.2	1788.7	1781.1	1778.5	1771.6	1766.6	1757.1	1751.2
25°	1725.6	1728.1	1729.0	1729.8	1729.0	1728.1	1725.6	1719.6	1714.5	1707.6	1704.2
27.5°	1634.3	1634.3	1636.0	1636.8	1636.0	1634.3	1634.3	1630.0	1626.6	1623.2	1619.8
30°	1496.0	1496.0	1496.0	1500.3	1496.0	1496.0	1496.0	1495.2	1495.2	1496.0	1496.0
32.5°	1336.4	1334.7	1333.0	1334.7	1333.0	1334.7	1336.4	1337.3	1336.4	1339.0	1343.2
35°	1155.5	1154.6	1157.2	1153.8	1157.2	1154.6	1155.5	1155.5	1158.9	1162.3	1163.2
37.5°	982.2	980.6	984.0	980.6	984.0	980.6	982.2	981.4	980.6	982.2	979.7
40°	817.6	819.3	819.3	826.1	819.3	819.3	817.6	815.9	809.9	806.5	803.1
42.5°	659.7	664.8	663.1	668.2	663.1	664.8	659.7	656.3	649.4	643.4	638.4
45°	510.3	513.8	513.8	515.4	513.8	513.8	510.3	506.9	500.9	495.8	492.4
47.5°	391.7	391.7	391.7	392.6	391.7	391.7	391.7	385.7	384.0	380.6	376.3
50°	297.8	298.7	299.6	300.4	299.6	298.7	297.8	296.1	295.3	293.6	292.7
52.5°	228.7	229.6	227.9	229.6	227.9	229.6	228.7	229.6	227.0	227.0	226.1
55°	173.2	172.4	173.2	174.1	173.2	172.4	173.2	173.2	172.4	172.4	172.4
57.5°	127.2	125.4	125.4	125.4	125.4	125.4	127.2	126.3	128.9	127.2	128.0
60°	94.7	95.6	95.6	96.4	95.6	95.6	94.7	96.4	96.4	97.3	97.3
62.5°	70.0	72.5	70.8	72.5	70.8	72.5	70.0	70.8	70.8	71.7	72.5
65°	45.2	45.2	45.2	46.1	45.2	45.2	45.2	46.1	46.9	46.1	48.7
67.5°	30.7	31.6	33.3	32.4	33.3	31.6	30.7	31.6	31.6	34.1	33.3
70°	24.8	22.2	22.2	24.8	22.2	22.2	24.8	23.0	22.2	23.9	23.0
72.5°	14.5	12.8	14.5	14.5	14.5	12.8	14.5	12.8	13.7	13.7	15.4
75°	7.7	6.8	6.0	8.5	6.0	6.8	7.7	7.7	7.7	7.7	8.5
77.5°	5.1	4.3	6.0	6.0	6.0	4.3	5.1	4.3	5.1	4.3	5.1
80°	2.6	3.4	2.6	4.3	2.6	3.4	2.6	4.3	2.6	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: P245967

CATALOG NUMBER: LD8B30D010 ER8B30830 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8
2.5°	1765.7	1763.1	1764.0	1758.9	1758.9	1757.1	1758.0	1753.7	1752.0	1750.3	1752.9
5°	1791.3	1787.0	1783.6	1775.9	1771.6	1766.6	1764.0	1757.1	1751.2	1746.0	1745.2
7.5°	1811.8	1802.4	1796.4	1786.2	1778.5	1772.5	1764.0	1754.6	1746.9	1740.1	1735.0
10°	1820.3	1810.9	1801.5	1788.7	1780.2	1769.1	1760.5	1748.6	1738.4	1729.0	1723.0
12.5°	1821.1	1809.2	1800.7	1786.2	1775.1	1763.1	1753.7	1740.1	1728.1	1718.7	1709.4
15°	1813.5	1802.4	1792.1	1776.8	1765.7	1754.6	1743.5	1729.0	1717.9	1706.8	1700.0
17.5°	1796.4	1786.2	1774.2	1759.7	1749.5	1739.2	1727.3	1715.3	1702.5	1690.6	1682.0
20°	1774.2	1763.1	1752.9	1738.4	1729.8	1718.7	1707.6	1694.9	1684.6	1672.7	1663.3
22.5°	1740.9	1730.7	1721.3	1712.8	1699.1	1690.6	1682.9	1668.4	1658.2	1647.1	1636.8
25°	1693.1	1682.9	1675.2	1665.0	1659.0	1649.6	1641.9	1629.1	1619.8	1609.5	1601.0
27.5°	1614.6	1608.7	1604.4	1598.4	1593.3	1589.0	1584.8	1574.5	1567.7	1558.3	1549.8
30°	1496.9	1496.0	1493.4	1490.9	1494.3	1494.3	1494.3	1492.6	1486.6	1479.8	1473.8
32.5°	1345.8	1347.5	1350.9	1353.5	1360.3	1368.0	1374.8	1378.2	1378.2	1374.0	1371.4
35°	1165.7	1168.3	1173.4	1180.3	1188.8	1198.2	1213.5	1217.0	1219.5	1219.5	1216.1
37.5°	978.8	978.0	983.1	989.1	994.2	1001.0	1012.1	1014.7	1019.0	1017.3	1013.8
40°	797.1	792.8	791.1	792.8	798.8	796.2	798.8	797.1	797.1	791.1	791.1
42.5°	628.9	623.8	620.4	617.9	617.9	611.9	607.6	603.4	600.8	596.5	595.7
45°	484.7	478.7	474.5	472.8	470.2	462.5	457.4	452.3	446.3	444.6	445.5
47.5°	376.3	370.4	368.7	364.4	360.1	355.9	352.5	346.5	345.6	342.2	345.6
50°	290.1	288.5	285.9	284.2	281.6	278.2	274.8	271.4	269.7	269.7	270.5
52.5°	225.3	226.1	223.6	221.0	219.3	219.3	215.0	214.2	214.2	210.8	214.2
55°	172.4	171.5	172.4	170.7	170.7	168.1	168.1	165.6	165.6	163.0	164.7
57.5°	126.3	128.0	126.3	127.2	128.9	126.3	125.4	122.9	124.6	122.9	123.8
60°	98.1	98.1	98.1	97.3	97.3	96.4	96.4	95.6	95.6	93.9	95.6
62.5°	72.5	73.4	73.4	73.4	74.3	73.4	72.5	73.4	72.5	72.5	73.4
65°	47.8	48.7	48.7	47.8	49.5	47.8	48.7	49.5	50.3	49.5	50.3
67.5°	32.4	32.4	33.3	34.1	33.3	34.1	35.0	34.1	35.0	36.7	35.0
70°	23.9	24.8	24.8	23.9	23.0	23.9	23.0	25.6	25.6	25.6	27.3
72.5°	15.4	15.4	14.5	14.5	14.5	14.5	14.5	17.1	15.4	14.5	16.2
75°	8.5	9.4	9.4	6.8	7.7	9.4	6.8	7.7	10.3	8.5	10.3
77.5°	5.1	5.1	5.1	5.1	5.1	5.1	6.8	6.0	6.0	6.0	6.8
80°	4.3	3.4	3.4	2.6	3.4	3.4	3.4	5.1	4.3	4.3	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: P245967

CATALOG NUMBER: LD8B30D010 ER8B30830 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8
2.5°	1746.0	1746.0	1745.2	1743.5	1740.1	1740.1	1739.2	1736.7	1735.0	1734.1	1734.1
5°	1737.5	1734.1	1730.7	1721.3	1721.3	1719.6	1714.5	1711.1	1709.4	1705.1	1703.4
7.5°	1729.8	1719.6	1713.6	1707.6	1700.0	1696.5	1690.6	1688.0	1682.0	1677.8	1675.2
10°	1711.1	1704.2	1696.5	1687.2	1681.2	1674.4	1667.5	1662.4	1654.7	1650.5	1647.1
12.5°	1698.3	1688.0	1681.2	1670.9	1660.7	1654.7	1645.4	1639.4	1631.7	1623.2	1618.0
15°	1686.3	1675.2	1665.8	1654.7	1643.6	1636.8	1625.7	1618.9	1607.8	1599.3	1593.3
17.5°	1668.4	1659.0	1648.8	1635.1	1624.9	1616.4	1604.4	1595.9	1585.6	1574.5	1568.5
20°	1649.6	1638.5	1628.3	1614.6	1604.4	1594.2	1582.2	1572.8	1560.9	1550.6	1543.8
22.5°	1624.9	1612.1	1603.5	1589.9	1577.9	1566.9	1555.8	1544.7	1533.6	1525.0	1517.3
25°	1589.0	1575.4	1566.0	1554.9	1543.8	1535.3	1521.6	1514.8	1503.7	1496.0	1488.3
27.5°	1537.8	1527.6	1519.1	1508.0	1498.6	1491.8	1481.5	1474.7	1465.3	1458.5	1452.5
30°	1462.7	1454.2	1446.5	1435.4	1428.6	1422.6	1413.2	1407.2	1400.4	1392.7	1391.0
32.5°	1362.0	1355.2	1347.5	1339.8	1334.7	1331.3	1323.6	1320.2	1313.4	1309.1	1304.8
35°	1210.1	1204.1	1199.9	1196.5	1194.8	1195.6	1193.9	1197.3	1199.0	1198.2	1199.0
37.5°	1011.3	1007.9	1009.6	1012.1	1020.7	1031.8	1042.0	1057.3	1067.6	1077.9	1087.2
40°	789.4	792.0	798.8	814.1	836.3	861.1	884.1	913.2	942.2	962.6	981.4
42.5°	595.7	603.4	620.4	642.6	675.9	712.6	748.4	791.1	826.1	860.2	884.1
45°	448.0	458.3	480.5	511.2	547.9	590.5	635.8	683.6	725.4	760.4	786.8
47.5°	349.1	358.4	380.6	413.1	458.3	502.7	549.6	599.1	642.6	676.7	699.8
50°	275.6	287.6	307.2	341.4	386.6	433.5	482.2	530.8	571.8	600.8	621.3
52.5°	216.8	227.9	246.6	282.5	328.6	375.5	420.7	468.5	504.3	532.5	546.2
55°	168.1	178.4	198.0	227.9	271.4	317.5	362.7	403.7	436.9	457.4	470.2
57.5°	128.0	135.7	149.4	179.2	218.5	261.1	299.6	340.5	366.1	380.6	389.1
60°	97.3	103.3	117.8	140.8	176.7	213.4	245.8	276.5	297.0	308.9	317.5
62.5°	73.4	80.2	90.5	110.1	137.4	167.3	194.6	217.6	234.7	242.4	248.3
65°	50.3	55.5	63.2	78.5	101.6	122.9	144.2	161.3	172.4	180.9	184.3
67.5°	37.6	41.0	45.2	57.2	73.4	90.5	105.0	116.9	128.9	132.3	138.3
70°	28.2	30.7	35.0	43.5	52.9	64.8	76.8	83.6	92.2	98.1	99.9
72.5°	17.9	18.8	23.0	28.2	35.8	43.5	51.2	57.2	62.3	65.7	67.4
75°	10.3	15.4	15.4	20.5	25.6	29.0	34.1	38.4	41.0	43.5	43.5
77.5°	6.8	9.4	10.3	12.8	15.4	19.6	23.9	26.5	29.0	29.9	29.9
80°	6.0	6.8	6.8	9.4	11.1	14.5	17.1	17.9	19.6	20.5	22.2
82.5°	2.6	3.4	4.3	6.8	7.7	7.7	10.3	11.1	12.8	13.7	13.7
85°	0.8	1.7	1.7	2.6	4.3	5.1	6.0	6.8	7.7	7.7	8.5
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: P245967

CATALOG NUMBER: LD8B30D010 ER8B30830 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8
2.5°	1732.4	1733.3	1729.8	1729.0	1727.3	1728.1	1729.8
5°	1700.8	1701.7	1698.3	1694.9	1694.9	1694.0	1694.9
7.5°	1670.9	1671.8	1666.7	1665.0	1661.6	1662.4	1662.4
10°	1641.1	1641.1	1633.4	1632.5	1630.0	1629.1	1629.1
12.5°	1612.1	1609.5	1603.5	1600.1	1601.8	1596.7	1596.7
15°	1586.5	1582.2	1574.5	1572.0	1567.7	1566.0	1566.0
17.5°	1560.0	1556.6	1549.8	1544.7	1539.5	1538.7	1539.5
20°	1534.4	1531.0	1522.5	1519.1	1514.8	1514.8	1513.1
22.5°	1508.8	1505.4	1497.7	1495.2	1489.2	1489.2	1490.0
25°	1482.3	1479.8	1471.2	1469.6	1468.7	1465.3	1467.0
27.5°	1446.5	1444.8	1438.0	1435.4	1432.0	1431.2	1432.8
30°	1380.8	1378.2	1373.1	1370.6	1364.6	1365.4	1367.1
32.5°	1298.9	1295.5	1288.6	1286.1	1281.0	1279.2	1280.1
35°	1196.5	1193.9	1187.9	1187.9	1182.8	1181.1	1182.8
37.5°	1092.4	1094.9	1092.4	1094.9	1092.4	1091.5	1092.4
40°	994.2	1003.6	1005.3	1014.7	1011.3	1016.4	1015.5
42.5°	900.3	915.7	921.7	929.3	927.7	931.1	933.6
45°	805.6	818.4	824.4	829.5	830.4	832.1	832.9
47.5°	716.0	726.2	727.1	733.1	732.2	732.2	734.8
50°	632.4	639.2	640.9	645.2	641.8	640.0	640.9
52.5°	554.7	561.5	559.8	561.5	557.3	555.6	556.4
55°	475.3	478.7	478.7	478.7	473.6	473.6	473.6
57.5°	394.3	395.1	393.4	394.3	393.4	388.3	387.4
60°	320.0	320.0	319.2	320.0	317.5	314.9	314.9
62.5°	250.0	251.8	255.2	251.8	250.0	251.8	249.2
65°	186.9	190.3	189.4	191.2	190.3	190.3	188.6
67.5°	140.8	141.7	142.5	143.4	143.4	143.4	143.4
70°	103.3	105.8	105.0	105.0	105.0	105.0	110.1
72.5°	69.1	72.5	71.7	73.4	73.4	75.1	73.4
75°	46.9	50.3	48.7	51.2	50.3	48.7	52.9
77.5°	31.6	33.3	34.1	35.0	34.1	33.3	34.1
80°	22.2	23.9	23.0	23.9	23.9	23.9	24.8
82.5°	13.7	16.2	15.4	16.2	15.4	16.2	16.2
85°	9.4	10.3	8.5	10.3	9.4	9.4	11.1
87.5°	6.0	5.1	5.1	6.0	5.1	6.0	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)