

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: P244977

Luminaire Tested: **LD8B30D010 ER8B30850 8LBSW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244977  
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 ER8B30850 8LBSW0WMH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 5000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3106.0 lumens  
Efficiency: N/A  
Efficacy: 114.6 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

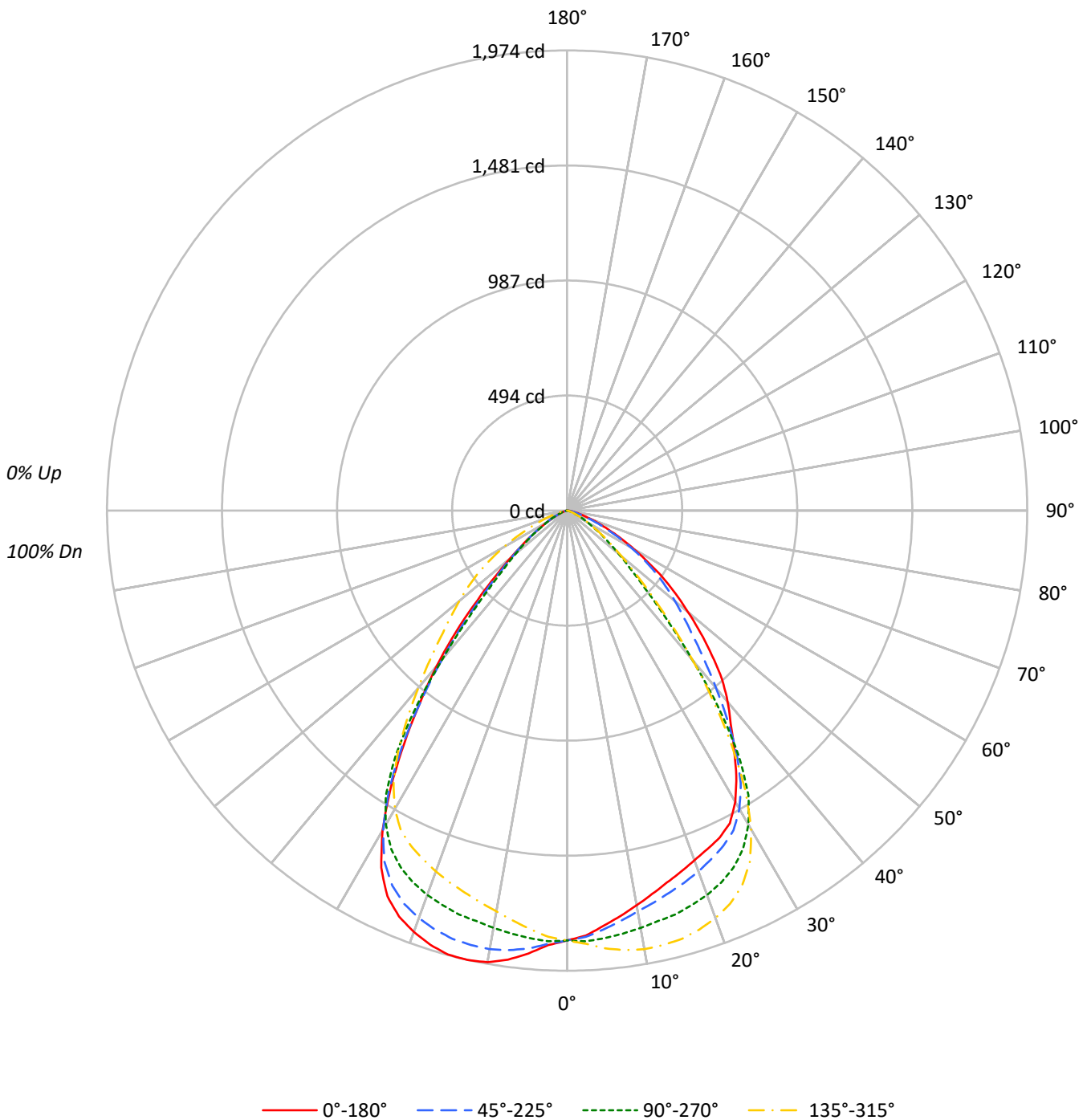
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	56859	56859	56859	56859
5°	55349	56993	59029	56993
10°	53819	56919	61600	56919
15°	52745	57256	62948	57256
20°	52383	57584	63110	57584
25°	52659	57470	62094	57470
30°	51359	55365	56358	55365
35°	46976	48297	45824	48297
40°	43128	33596	35085	33596
45°	38324	20496	23715	20496
50°	32439	13691	15203	13691
55°	26865	9344	9876	9344
60°	20488	6217	6272	6217
65°	14520	3874	3546	3874
70°	10468	2597	2353	2597
75°	6648	1287	1072	1287
80°	4635	959	799	959
85°	4140	0	318	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	175.5	5.7
10°-20°	508.2	16.4
20°-30°	769.6	24.8
30°-40°	771.3	24.8
40°-50°	484.3	15.6
50°-60°	258.1	8.3
60°-70°	106.1	3.4
70°-80°	28.0	0.9
80°-90°	4.7	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°	1453.3	46.8
0°-40°	2224.6	71.6
0°-60°	2967.1	95.5
0°-90°	3106.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3106.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1844	1844	1844	1844	1844	
5°	1788	1841	1907	1841	1788	169
15°	1652	1794	1972	1794	1652	467
25°	1548	1689	1825	1689	1548	710
35°	1248	1283	1217	1283	1248	782
45°	879	470	544	470	879	676
55°	500	174	184	174	500	446
65°	199	53	49	53	199	206
75°	56	11	9	11	56	63
85°	12	0	1	0	12	13
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°	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9
2.5°	1825.0	1823.2	1822.3	1824.1	1825.0	1828.6	1827.7	1829.5	1829.5	1830.4	1832.2
5°	1788.1	1787.2	1788.1	1788.1	1791.7	1795.3	1794.4	1797.1	1798.9	1803.4	1805.2
7.5°	1753.9	1753.9	1753.0	1756.6	1758.4	1763.8	1762.9	1767.4	1770.1	1774.6	1780.9
10°	1718.8	1718.8	1719.7	1722.4	1723.3	1731.4	1731.4	1737.7	1741.3	1745.8	1753.9
12.5°	1684.6	1684.6	1690.0	1688.2	1691.8	1698.1	1700.8	1707.1	1712.5	1721.5	1729.6
15°	1652.2	1652.2	1654.0	1658.5	1661.2	1669.3	1673.8	1681.0	1687.3	1696.3	1708.0
17.5°	1624.2	1623.4	1624.2	1629.7	1635.1	1642.3	1645.9	1654.9	1661.2	1672.9	1683.7
20°	1596.3	1598.2	1598.2	1602.6	1606.2	1615.2	1618.8	1628.8	1636.0	1646.7	1659.4
22.5°	1572.0	1571.1	1571.1	1577.4	1580.1	1588.2	1591.8	1600.8	1608.9	1617.9	1629.7
25°	1547.7	1545.9	1549.5	1550.4	1552.2	1561.2	1563.9	1570.2	1578.3	1586.4	1598.2
27.5°	1511.7	1509.9	1510.8	1514.4	1517.1	1524.3	1526.1	1532.4	1538.7	1545.9	1555.8
30°	1442.4	1440.6	1439.7	1446.0	1448.7	1454.1	1456.8	1467.6	1469.4	1477.5	1484.7
32.5°	1350.5	1349.6	1351.4	1356.8	1359.5	1366.8	1370.4	1376.7	1381.1	1385.7	1392.8
35°	1247.9	1246.1	1247.9	1253.3	1253.3	1259.6	1262.3	1265.0	1264.1	1265.0	1263.2
37.5°	1152.5	1151.6	1152.5	1155.1	1152.5	1155.1	1152.5	1147.1	1137.2	1126.4	1115.5
40°	1071.4	1072.3	1066.9	1070.5	1060.6	1058.8	1048.9	1035.4	1015.6	994.0	963.4
42.5°	985.0	982.3	978.7	980.5	972.4	966.1	949.9	932.8	907.6	871.6	834.6
45°	878.8	877.9	876.1	875.2	869.8	863.4	849.9	830.1	802.2	765.3	721.2
47.5°	775.2	772.5	772.5	773.4	767.1	766.2	755.4	738.3	714.0	678.0	632.1
50°	676.2	675.3	677.1	680.7	676.2	674.4	667.2	655.5	633.9	603.3	560.0
52.5°	587.0	586.1	587.9	592.4	590.6	592.4	585.2	576.2	561.8	532.1	494.3
55°	499.7	499.7	499.7	505.1	505.1	505.1	501.5	496.1	482.6	461.0	425.9
57.5°	408.8	409.7	415.1	416.0	415.1	416.9	416.0	410.5	401.6	386.3	359.3
60°	332.2	332.2	334.9	337.6	336.7	337.6	337.6	334.9	325.9	313.3	291.7
62.5°	262.9	265.6	263.8	265.6	269.2	265.6	263.8	262.0	255.7	247.6	229.6
65°	199.0	200.8	200.8	201.7	199.9	200.8	197.2	194.5	190.9	181.9	170.2
67.5°	151.3	151.3	151.3	151.3	150.4	149.5	148.6	145.9	139.6	136.0	123.3
70°	116.1	110.7	110.7	110.7	110.7	111.7	109.0	105.4	103.5	97.2	88.2
72.5°	77.4	79.2	77.4	77.4	75.6	76.5	72.9	71.1	69.3	65.7	60.3
75°	55.8	51.3	53.1	54.0	51.3	53.1	49.5	45.9	45.9	43.2	40.5
77.5°	36.0	35.1	36.0	36.9	36.0	35.1	33.3	31.5	31.5	30.6	27.9
80°	26.1	25.2	25.2	25.2	24.3	25.2	23.4	23.4	21.6	20.7	18.9
82.5°	17.1	17.1	16.2	17.1	16.2	17.1	14.4	14.4	14.4	13.5	11.7
85°	11.7	9.9	9.9	10.8	9.0	10.8	9.9	9.0	8.1	8.1	7.2
87.5°	5.4	6.3	5.4	6.3	5.4	5.4	6.3	5.4	5.4	3.6	3.6
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°	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9
2.5°	1834.9	1835.8	1835.8	1839.4	1841.2	1842.1	1842.1	1849.3	1846.6	1848.5	1850.2
5°	1808.8	1814.2	1816.0	1816.0	1825.9	1829.5	1833.1	1841.2	1842.1	1847.5	1853.8
7.5°	1783.6	1789.9	1793.5	1801.6	1807.9	1814.2	1825.0	1830.4	1835.8	1843.0	1851.1
10°	1759.3	1766.5	1773.7	1780.0	1789.9	1798.0	1805.2	1817.8	1824.1	1834.0	1844.8
12.5°	1735.9	1745.8	1752.1	1762.9	1773.7	1780.9	1791.7	1803.4	1813.3	1823.2	1835.8
15°	1715.2	1726.9	1734.1	1745.8	1757.5	1767.4	1779.1	1793.5	1800.7	1812.4	1824.1
17.5°	1692.7	1705.3	1714.3	1725.1	1739.5	1750.3	1760.2	1774.6	1783.6	1796.2	1809.7
20°	1669.3	1681.9	1692.7	1703.5	1717.9	1728.7	1740.4	1754.8	1764.7	1777.3	1788.1
22.5°	1641.4	1653.1	1664.8	1677.4	1691.8	1700.8	1714.3	1726.9	1737.7	1749.4	1760.2
25°	1605.3	1619.8	1628.8	1640.4	1652.2	1662.0	1676.5	1689.1	1698.1	1708.9	1718.8
27.5°	1563.0	1573.8	1581.0	1590.9	1602.6	1611.6	1622.4	1635.1	1644.1	1654.0	1661.2
30°	1491.0	1500.9	1507.2	1514.4	1526.1	1534.2	1543.2	1554.9	1561.2	1568.4	1574.7
32.5°	1396.4	1404.6	1408.2	1413.6	1421.7	1429.8	1437.0	1446.9	1449.6	1454.1	1454.1
35°	1259.6	1261.4	1260.5	1262.3	1265.9	1270.4	1276.7	1283.0	1286.6	1286.6	1283.9
37.5°	1099.3	1088.5	1076.8	1067.8	1065.1	1063.3	1066.9	1069.6	1073.2	1075.0	1070.5
40°	932.8	908.5	882.4	858.9	842.7	835.5	832.8	834.6	834.6	840.9	840.9
42.5°	789.6	751.8	713.1	678.0	654.5	636.6	628.5	628.5	629.3	633.9	636.6
45°	670.8	623.0	578.0	539.3	506.9	483.5	472.7	470.0	469.1	470.9	477.2
47.5°	579.8	530.3	483.5	435.8	401.6	378.2	368.3	364.6	361.0	364.6	365.6
50°	508.7	457.4	407.9	360.1	324.1	303.4	290.8	285.4	284.5	284.5	286.3
52.5°	443.9	396.2	346.7	298.0	260.2	240.4	228.7	226.0	222.4	226.0	226.0
55°	382.6	334.9	286.3	240.4	208.9	188.2	177.4	173.8	172.0	174.7	174.7
57.5°	316.0	275.5	230.5	189.1	157.6	143.2	135.0	130.6	129.6	131.5	129.6
60°	259.3	225.1	186.4	148.6	124.3	109.0	102.7	100.8	99.0	100.8	100.8
62.5°	205.3	176.5	144.9	116.1	95.4	84.6	77.4	77.4	76.5	76.5	77.4
65°	152.2	129.6	107.1	82.8	66.6	58.5	53.1	53.1	52.2	53.1	52.2
67.5°	110.7	95.4	77.4	60.3	47.7	43.2	39.6	36.9	38.7	36.9	36.0
70°	81.0	68.4	55.8	45.9	36.9	32.4	29.7	28.8	27.0	27.0	27.0
72.5°	54.0	45.9	37.8	29.7	24.3	19.8	18.9	17.1	15.3	16.2	18.0
75°	36.0	30.6	27.0	21.6	16.2	16.2	10.8	10.8	9.0	10.8	8.1
77.5°	25.2	20.7	16.2	13.5	10.8	9.9	7.2	7.2	6.3	6.3	6.3
80°	18.0	15.3	11.7	9.9	7.2	7.2	6.3	5.4	4.5	4.5	5.4
82.5°	10.8	8.1	8.1	7.2	4.5	3.6	2.7	3.6	1.8	1.8	1.8
85°	6.3	5.4	4.5	2.7	1.8	1.8	0.9	0.0	0.9	0.9	0.0
87.5°	3.6	1.8	1.8	0.9	0.0	0.9	0.9	0.0	0.0	0.0	1.8
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°	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9
2.5°	1854.8	1853.8	1855.6	1855.6	1861.1	1860.1	1862.8	1862.8	1861.1	1861.9	1865.5
5°	1861.1	1863.8	1869.1	1873.7	1881.7	1885.4	1889.9	1894.4	1895.3	1898.0	1900.7
7.5°	1861.1	1870.1	1876.4	1884.4	1895.3	1901.6	1911.5	1919.6	1923.2	1927.7	1933.1
10°	1857.4	1866.4	1878.1	1887.1	1900.7	1910.6	1920.5	1933.1	1938.5	1945.7	1952.9
12.5°	1850.2	1860.1	1872.7	1884.4	1899.7	1908.8	1921.4	1933.1	1941.2	1951.1	1959.2
15°	1839.4	1851.1	1862.8	1874.5	1890.7	1901.6	1913.3	1926.8	1934.9	1945.7	1952.9
17.5°	1822.3	1834.9	1845.7	1856.5	1871.8	1884.4	1895.3	1907.9	1916.0	1925.0	1934.9
20°	1801.6	1813.3	1825.0	1834.0	1849.3	1860.1	1871.8	1883.6	1889.9	1891.7	1907.0
22.5°	1775.5	1783.6	1792.6	1807.0	1816.0	1825.9	1836.7	1847.5	1853.8	1863.8	1869.1
25°	1732.3	1740.4	1750.3	1756.6	1767.4	1775.5	1786.3	1798.0	1801.6	1808.8	1814.2
27.5°	1672.0	1676.5	1681.0	1686.4	1692.7	1697.2	1703.5	1708.9	1712.5	1716.1	1719.7
30°	1576.5	1576.5	1576.5	1572.9	1575.6	1578.3	1579.2	1578.3	1578.3	1577.4	1577.4
32.5°	1450.5	1443.3	1435.2	1428.0	1425.3	1421.7	1419.9	1417.2	1412.7	1410.0	1410.9
35°	1280.3	1264.1	1254.2	1245.2	1238.0	1232.6	1229.9	1227.2	1226.3	1222.7	1219.1
37.5°	1067.8	1056.1	1048.9	1043.5	1037.2	1031.8	1032.7	1033.6	1036.3	1034.5	1035.4
40°	842.7	840.0	842.7	836.4	834.6	836.4	840.9	847.3	850.8	854.4	860.7
42.5°	641.1	645.5	651.9	651.9	654.5	658.2	663.6	673.5	678.9	685.2	692.4
45°	482.6	488.0	496.1	498.8	500.6	505.1	511.4	519.5	523.1	528.5	534.8
47.5°	371.9	375.5	379.9	384.5	388.9	390.8	397.1	397.1	401.6	405.2	407.0
50°	289.9	293.5	297.1	299.8	301.6	304.3	306.1	308.8	309.7	311.5	312.4
52.5°	226.9	231.4	231.4	233.2	235.9	238.6	237.7	238.6	239.5	239.5	242.2
55°	177.4	177.4	180.1	180.1	181.9	181.0	181.9	181.9	181.9	181.9	182.8
57.5°	132.3	133.3	136.0	134.2	133.3	135.0	133.3	135.0	134.2	136.0	133.3
60°	101.7	101.7	102.7	102.7	103.5	103.5	103.5	102.7	102.7	101.7	101.7
62.5°	76.5	77.4	78.3	77.4	77.4	77.4	76.5	76.5	75.6	74.7	74.7
65°	51.3	50.4	52.2	50.4	51.3	51.3	50.4	51.3	48.6	49.5	48.6
67.5°	36.9	36.0	35.1	36.0	35.1	34.2	34.2	35.1	36.0	33.3	33.3
70°	24.3	25.2	24.3	25.2	26.1	26.1	25.2	24.3	25.2	23.4	24.3
72.5°	15.3	15.3	15.3	15.3	15.3	16.2	16.2	16.2	14.4	14.4	13.5
75°	7.2	9.9	8.1	7.2	9.9	9.9	9.0	9.0	8.1	8.1	8.1
77.5°	7.2	5.4	5.4	5.4	5.4	5.4	5.4	5.4	4.5	5.4	4.5
80°	3.6	3.6	3.6	2.7	3.6	3.6	4.5	3.6	3.6	2.7	4.5
82.5°	1.8	1.8	1.8	0.0	0.9	1.8	1.8	0.9	1.8	1.8	0.9
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: P244977

CATALOG NUMBER: LD8B30D010 ER8B30850 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9
2.5°	1864.7	1863.8	1864.7	1865.5	1864.7	1863.8	1864.7	1865.5	1861.9	1861.1	1862.8
5°	1904.3	1904.3	1906.0	1907.0	1906.0	1904.3	1904.3	1900.7	1898.0	1895.3	1894.4
7.5°	1938.5	1940.3	1942.1	1943.0	1942.1	1940.3	1938.5	1933.1	1927.7	1923.2	1919.6
10°	1959.2	1961.9	1965.5	1967.3	1965.5	1961.9	1959.2	1952.9	1945.7	1938.5	1933.1
12.5°	1968.2	1970.9	1975.4	1974.5	1975.4	1970.9	1968.2	1959.2	1951.1	1941.2	1933.1
15°	1961.9	1965.5	1970.0	1971.8	1970.0	1965.5	1961.9	1952.9	1945.7	1934.9	1926.8
17.5°	1942.1	1947.5	1950.2	1952.9	1950.2	1947.5	1942.1	1934.9	1925.0	1916.0	1907.9
20°	1915.1	1918.7	1922.3	1923.2	1922.3	1918.7	1915.1	1907.0	1891.7	1889.9	1883.6
22.5°	1876.4	1879.1	1887.1	1884.4	1887.1	1879.1	1876.4	1869.1	1863.8	1853.8	1847.5
25°	1820.5	1823.2	1824.1	1825.0	1824.1	1823.2	1820.5	1814.2	1808.8	1801.6	1798.0
27.5°	1724.2	1724.2	1726.0	1726.9	1726.0	1724.2	1724.2	1719.7	1716.1	1712.5	1708.9
30°	1578.3	1578.3	1578.3	1582.8	1578.3	1578.3	1578.3	1577.4	1577.4	1578.3	1578.3
32.5°	1410.0	1408.2	1406.4	1408.2	1406.4	1408.2	1410.0	1410.9	1410.0	1412.7	1417.2
35°	1219.1	1218.2	1220.9	1217.3	1220.9	1218.2	1219.1	1219.1	1222.7	1226.3	1227.2
37.5°	1036.3	1034.5	1038.1	1034.5	1038.1	1034.5	1036.3	1035.4	1034.5	1036.3	1033.6
40°	862.6	864.3	864.3	871.6	864.3	864.3	862.6	860.7	854.4	850.8	847.3
42.5°	696.0	701.4	699.6	705.0	699.6	701.4	696.0	692.4	685.2	678.9	673.5
45°	538.4	542.0	542.0	543.8	542.0	542.0	538.4	534.8	528.5	523.1	519.5
47.5°	413.3	413.3	413.3	414.2	413.3	413.3	413.3	407.0	405.2	401.6	397.1
50°	314.2	315.1	316.0	316.9	316.0	315.1	314.2	312.4	311.5	309.7	308.8
52.5°	241.3	242.2	240.4	242.2	240.4	242.2	241.3	242.2	239.5	239.5	238.6
55°	182.8	181.9	182.8	183.7	182.8	181.9	182.8	182.8	181.9	181.9	181.9
57.5°	134.2	132.3	132.3	132.3	132.3	132.3	134.2	133.3	136.0	134.2	135.0
60°	99.9	100.8	100.8	101.7	100.8	100.8	99.9	101.7	101.7	102.7	102.7
62.5°	73.8	76.5	74.7	76.5	74.7	76.5	73.8	74.7	74.7	75.6	76.5
65°	47.7	47.7	47.7	48.6	47.7	47.7	47.7	48.6	49.5	48.6	51.3
67.5°	32.4	33.3	35.1	34.2	35.1	33.3	32.4	33.3	33.3	36.0	35.1
70°	26.1	23.4	23.4	26.1	23.4	23.4	26.1	24.3	23.4	25.2	24.3
72.5°	15.3	13.5	15.3	15.3	15.3	13.5	15.3	13.5	14.4	14.4	16.2
75°	8.1	7.2	6.3	9.0	6.3	7.2	8.1	8.1	8.1	8.1	9.0
77.5°	5.4	4.5	6.3	6.3	6.3	4.5	5.4	4.5	5.4	4.5	5.4
80°	2.7	3.6	2.7	4.5	2.7	3.6	2.7	4.5	2.7	3.6	3.6
82.5°	0.9	1.8	1.8	1.8	1.8	1.8	0.9	0.9	1.8	1.8	0.9
85°	0.0	1.8	0.9	0.9	0.9	1.8	0.0	0.0	0.0	0.0	0.0
87.5°	0.9	0.0	0.0	0.9	0.0	0.0	0.9	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: P244977

CATALOG NUMBER: LD8B30D010 ER8B30850 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9
2.5°	1862.8	1860.1	1861.1	1855.6	1855.6	1853.8	1854.8	1850.2	1848.5	1846.6	1849.3
5°	1889.9	1885.4	1881.7	1873.7	1869.1	1863.8	1861.1	1853.8	1847.5	1842.1	1841.2
7.5°	1911.5	1901.6	1895.3	1884.4	1876.4	1870.1	1861.1	1851.1	1843.0	1835.8	1830.4
10°	1920.5	1910.6	1900.7	1887.1	1878.1	1866.4	1857.4	1844.8	1834.0	1824.1	1817.8
12.5°	1921.4	1908.8	1899.7	1884.4	1872.7	1860.1	1850.2	1835.8	1823.2	1813.3	1803.4
15°	1913.3	1901.6	1890.7	1874.5	1862.8	1851.1	1839.4	1824.1	1812.4	1800.7	1793.5
17.5°	1895.3	1884.4	1871.8	1856.5	1845.7	1834.9	1822.3	1809.7	1796.2	1783.6	1774.6
20°	1871.8	1860.1	1849.3	1834.0	1825.0	1813.3	1801.6	1788.1	1777.3	1764.7	1754.8
22.5°	1836.7	1825.9	1816.0	1807.0	1792.6	1783.6	1775.5	1760.2	1749.4	1737.7	1726.9
25°	1786.3	1775.5	1767.4	1756.6	1750.3	1740.4	1732.3	1718.8	1708.9	1698.1	1689.1
27.5°	1703.5	1697.2	1692.7	1686.4	1681.0	1676.5	1672.0	1661.2	1654.0	1644.1	1635.1
30°	1579.2	1578.3	1575.6	1572.9	1576.5	1576.5	1576.5	1574.7	1568.4	1561.2	1554.9
32.5°	1419.9	1421.7	1425.3	1428.0	1435.2	1443.3	1450.5	1454.1	1454.1	1449.6	1446.9
35°	1229.9	1232.6	1238.0	1245.2	1254.2	1264.1	1280.3	1283.9	1286.6	1286.6	1283.0
37.5°	1032.7	1031.8	1037.2	1043.5	1048.9	1056.1	1067.8	1070.5	1075.0	1073.2	1069.6
40°	840.9	836.4	834.6	836.4	842.7	840.0	842.7	840.9	840.9	834.6	834.6
42.5°	663.6	658.2	654.5	651.9	651.9	645.5	641.1	636.6	633.9	629.3	628.5
45°	511.4	505.1	500.6	498.8	496.1	488.0	482.6	477.2	470.9	469.1	470.0
47.5°	397.1	390.8	388.9	384.5	379.9	375.5	371.9	365.6	364.6	361.0	364.6
50°	306.1	304.3	301.6	299.8	297.1	293.5	289.9	286.3	284.5	284.5	285.4
52.5°	237.7	238.6	235.9	233.2	231.4	231.4	226.9	226.0	226.0	222.4	226.0
55°	181.9	181.0	181.9	180.1	180.1	177.4	177.4	174.7	174.7	172.0	173.8
57.5°	133.3	135.0	133.3	134.2	136.0	133.3	132.3	129.6	131.5	129.6	130.6
60°	103.5	103.5	103.5	102.7	102.7	101.7	101.7	100.8	100.8	99.0	100.8
62.5°	76.5	77.4	77.4	77.4	78.3	77.4	76.5	77.4	76.5	76.5	77.4
65°	50.4	51.3	51.3	50.4	52.2	50.4	51.3	52.2	53.1	52.2	53.1
67.5°	34.2	34.2	35.1	36.0	35.1	36.0	36.9	36.0	36.9	38.7	36.9
70°	25.2	26.1	26.1	25.2	24.3	25.2	24.3	27.0	27.0	27.0	28.8
72.5°	16.2	16.2	15.3	15.3	15.3	15.3	15.3	18.0	16.2	15.3	17.1
75°	9.0	9.9	9.9	7.2	8.1	9.9	7.2	8.1	10.8	9.0	10.8
77.5°	5.4	5.4	5.4	5.4	5.4	5.4	7.2	6.3	6.3	6.3	7.2
80°	4.5	3.6	3.6	2.7	3.6	3.6	3.6	5.4	4.5	4.5	5.4
82.5°	1.8	1.8	0.9	0.0	1.8	1.8	1.8	1.8	1.8	1.8	3.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	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: P244977

CATALOG NUMBER: LD8B30D010 ER8B30850 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9
2.5°	1842.1	1842.1	1841.2	1839.4	1835.8	1835.8	1834.9	1832.2	1830.4	1829.5	1829.5
5°	1833.1	1829.5	1825.9	1816.0	1816.0	1814.2	1808.8	1805.2	1803.4	1798.9	1797.1
7.5°	1825.0	1814.2	1807.9	1801.6	1793.5	1789.9	1783.6	1780.9	1774.6	1770.1	1767.4
10°	1805.2	1798.0	1789.9	1780.0	1773.7	1766.5	1759.3	1753.9	1745.8	1741.3	1737.7
12.5°	1791.7	1780.9	1773.7	1762.9	1752.1	1745.8	1735.9	1729.6	1721.5	1712.5	1707.1
15°	1779.1	1767.4	1757.5	1745.8	1734.1	1726.9	1715.2	1708.0	1696.3	1687.3	1681.0
17.5°	1760.2	1750.3	1739.5	1725.1	1714.3	1705.3	1692.7	1683.7	1672.9	1661.2	1654.9
20°	1740.4	1728.7	1717.9	1703.5	1692.7	1681.9	1669.3	1659.4	1646.7	1636.0	1628.8
22.5°	1714.3	1700.8	1691.8	1677.4	1664.8	1653.1	1641.4	1629.7	1617.9	1608.9	1600.8
25°	1676.5	1662.0	1652.2	1640.4	1628.8	1619.8	1605.3	1598.2	1586.4	1578.3	1570.2
27.5°	1622.4	1611.6	1602.6	1590.9	1581.0	1573.8	1563.0	1555.8	1545.9	1538.7	1532.4
30°	1543.2	1534.2	1526.1	1514.4	1507.2	1500.9	1491.0	1484.7	1477.5	1469.4	1467.6
32.5°	1437.0	1429.8	1421.7	1413.6	1408.2	1404.6	1396.4	1392.8	1385.7	1381.1	1376.7
35°	1276.7	1270.4	1265.9	1262.3	1260.5	1261.4	1259.6	1263.2	1265.0	1264.1	1265.0
37.5°	1066.9	1063.3	1065.1	1067.8	1076.8	1088.5	1099.3	1115.5	1126.4	1137.2	1147.1
40°	832.8	835.5	842.7	858.9	882.4	908.5	932.8	963.4	994.0	1015.6	1035.4
42.5°	628.5	636.6	654.5	678.0	713.1	751.8	789.6	834.6	871.6	907.6	932.8
45°	472.7	483.5	506.9	539.3	578.0	623.0	670.8	721.2	765.3	802.2	830.1
47.5°	368.3	378.2	401.6	435.8	483.5	530.3	579.8	632.1	678.0	714.0	738.3
50°	290.8	303.4	324.1	360.1	407.9	457.4	508.7	560.0	603.3	633.9	655.5
52.5°	228.7	240.4	260.2	298.0	346.7	396.2	443.9	494.3	532.1	561.8	576.2
55°	177.4	188.2	208.9	240.4	286.3	334.9	382.6	425.9	461.0	482.6	496.1
57.5°	135.0	143.2	157.6	189.1	230.5	275.5	316.0	359.3	386.3	401.6	410.5
60°	102.7	109.0	124.3	148.6	186.4	225.1	259.3	291.7	313.3	325.9	334.9
62.5°	77.4	84.6	95.4	116.1	144.9	176.5	205.3	229.6	247.6	255.7	262.0
65°	53.1	58.5	66.6	82.8	107.1	129.6	152.2	170.2	181.9	190.9	194.5
67.5°	39.6	43.2	47.7	60.3	77.4	95.4	110.7	123.3	136.0	139.6	145.9
70°	29.7	32.4	36.9	45.9	55.8	68.4	81.0	88.2	97.2	103.5	105.4
72.5°	18.9	19.8	24.3	29.7	37.8	45.9	54.0	60.3	65.7	69.3	71.1
75°	10.8	16.2	16.2	21.6	27.0	30.6	36.0	40.5	43.2	45.9	45.9
77.5°	7.2	9.9	10.8	13.5	16.2	20.7	25.2	27.9	30.6	31.5	31.5
80°	6.3	7.2	7.2	9.9	11.7	15.3	18.0	18.9	20.7	21.6	23.4
82.5°	2.7	3.6	4.5	7.2	8.1	8.1	10.8	11.7	13.5	14.4	14.4
85°	0.9	1.8	1.8	2.7	4.5	5.4	6.3	7.2	8.1	8.1	9.0
87.5°	0.9	0.9	0.0	0.9	1.8	1.8	3.6	3.6	3.6	5.4	5.4
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: P244977

CATALOG NUMBER: LD8B30D010 ER8B30850 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9
2.5°	1827.7	1828.6	1825.0	1824.1	1822.3	1823.2	1825.0
5°	1794.4	1795.3	1791.7	1788.1	1788.1	1787.2	1788.1
7.5°	1762.9	1763.8	1758.4	1756.6	1753.0	1753.9	1753.9
10°	1731.4	1731.4	1723.3	1722.4	1719.7	1718.8	1718.8
12.5°	1700.8	1698.1	1691.8	1688.2	1690.0	1684.6	1684.6
15°	1673.8	1669.3	1661.2	1658.5	1654.0	1652.2	1652.2
17.5°	1645.9	1642.3	1635.1	1629.7	1624.2	1623.4	1624.2
20°	1618.8	1615.2	1606.2	1602.6	1598.2	1598.2	1596.3
22.5°	1591.8	1588.2	1580.1	1577.4	1571.1	1571.1	1572.0
25°	1563.9	1561.2	1552.2	1550.4	1549.5	1545.9	1547.7
27.5°	1526.1	1524.3	1517.1	1514.4	1510.8	1509.9	1511.7
30°	1456.8	1454.1	1448.7	1446.0	1439.7	1440.6	1442.4
32.5°	1370.4	1366.8	1359.5	1356.8	1351.4	1349.6	1350.5
35°	1262.3	1259.6	1253.3	1253.3	1247.9	1246.1	1247.9
37.5°	1152.5	1155.1	1152.5	1155.1	1152.5	1151.6	1152.5
40°	1048.9	1058.8	1060.6	1070.5	1066.9	1072.3	1071.4
42.5°	949.9	966.1	972.4	980.5	978.7	982.3	985.0
45°	849.9	863.4	869.8	875.2	876.1	877.9	878.8
47.5°	755.4	766.2	767.1	773.4	772.5	772.5	775.2
50°	667.2	674.4	676.2	680.7	677.1	675.3	676.2
52.5°	585.2	592.4	590.6	592.4	587.9	586.1	587.0
55°	501.5	505.1	505.1	505.1	499.7	499.7	499.7
57.5°	416.0	416.9	415.1	416.0	415.1	409.7	408.8
60°	337.6	337.6	336.7	337.6	334.9	332.2	332.2
62.5°	263.8	265.6	269.2	265.6	263.8	265.6	262.9
65°	197.2	200.8	199.9	201.7	200.8	200.8	199.0
67.5°	148.6	149.5	150.4	151.3	151.3	151.3	151.3
70°	109.0	111.7	110.7	110.7	110.7	110.7	116.1
72.5°	72.9	76.5	75.6	77.4	77.4	79.2	77.4
75°	49.5	53.1	51.3	54.0	53.1	51.3	55.8
77.5°	33.3	35.1	36.0	36.9	36.0	35.1	36.0
80°	23.4	25.2	24.3	25.2	25.2	25.2	26.1
82.5°	14.4	17.1	16.2	17.1	16.2	17.1	17.1
85°	9.9	10.8	9.0	10.8	9.9	9.9	11.7
87.5°	6.3	5.4	5.4	6.3	5.4	6.3	5.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)