

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: P248956

Luminaire Tested: **LD8B60D010 ER8B609727 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248956
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: LD8B60D010 ER8B609727 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3318.0 lumens
Efficiency: N/A
Efficacy: 55.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

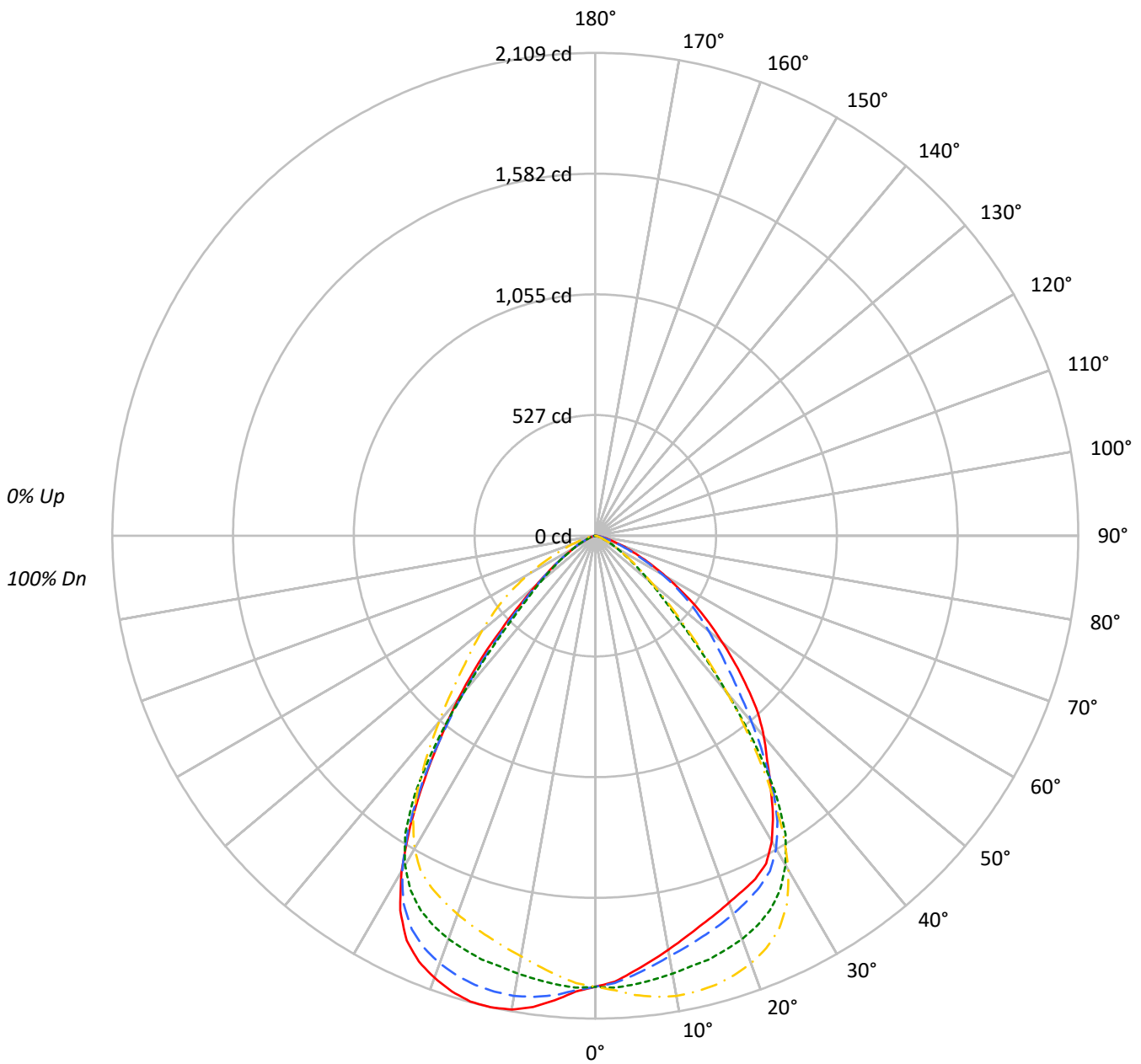
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



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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°	Luminaire represents a point source (luminous area is zero).			
5°	No luminance values can be calculated.			
10°				
15°				
20°				
25°				
30°				
35°				
40°				
45°				
50°				
55°				
60°				
65°				
70°				
75°				
80°				
85°				



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.5	5.7
10°-20°	542.9	16.4
20°-30°	822.1	24.8
30°-40°	824.0	24.8
40°-50°	517.4	15.6
50°-60°	275.7	8.3
60°-70°	113.4	3.4
70°-80°	30.0	0.9
80°-90°	5.1	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°	1552.5	46.8
0°-40°	2376.5	71.6
0°-60°	3169.6	95.5
0°-90°	3318.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3318.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1970	1970	1970	1970	1970	
5°	1910	1967	2037	1967	1910	180
15°	1765	1916	2106	1916	1765	499
25°	1653	1804	1950	1804	1653	758
35°	1333	1371	1300	1371	1333	835
45°	939	502	581	502	939	722
55°	534	186	196	186	534	476
65°	213	57	52	57	213	220
75°	60	12	10	12	60	68
85°	12	0	1	0	12	14
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°	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8
2.5°	1949.6	1947.7	1946.7	1948.7	1949.6	1953.4	1952.5	1954.4	1954.4	1955.4	1957.3
5°	1910.2	1909.2	1910.2	1910.2	1914.0	1917.9	1916.9	1919.8	1921.7	1926.5	1928.4
7.5°	1873.6	1873.6	1872.6	1876.5	1878.4	1884.2	1883.2	1888.0	1890.9	1895.7	1902.5
10°	1836.1	1836.1	1837.0	1839.9	1840.9	1849.6	1849.6	1856.3	1860.1	1865.0	1873.6
12.5°	1799.6	1799.6	1805.3	1803.4	1807.2	1814.0	1816.9	1823.6	1829.4	1839.0	1847.7
15°	1764.9	1764.9	1766.9	1771.6	1774.5	1783.2	1788.0	1795.7	1802.4	1812.1	1824.6
17.5°	1735.1	1734.2	1735.1	1740.9	1746.7	1754.3	1758.2	1767.8	1774.5	1787.0	1798.6
20°	1705.3	1707.2	1707.2	1712.0	1715.9	1725.5	1729.3	1739.9	1747.6	1759.1	1772.6
22.5°	1679.3	1678.4	1678.4	1685.1	1688.0	1696.6	1700.5	1710.1	1718.8	1728.4	1740.9
25°	1653.4	1651.4	1655.3	1656.2	1658.1	1667.8	1670.7	1677.4	1686.1	1694.7	1707.2
27.5°	1614.9	1613.0	1613.9	1617.8	1620.7	1628.3	1630.3	1637.0	1643.7	1651.4	1662.0
30°	1540.8	1538.9	1538.0	1544.7	1547.6	1553.3	1556.2	1567.8	1569.7	1578.3	1586.0
32.5°	1442.7	1441.8	1443.7	1449.4	1452.3	1460.0	1463.9	1470.6	1475.4	1480.2	1487.9
35°	1333.1	1331.1	1333.1	1338.9	1338.9	1345.6	1348.5	1351.3	1350.4	1351.3	1349.4
37.5°	1231.1	1230.1	1231.1	1234.0	1231.1	1234.0	1231.1	1225.4	1214.8	1203.2	1191.7
40°	1144.6	1145.5	1139.8	1143.6	1133.0	1131.1	1120.5	1106.1	1084.9	1061.9	1029.2
42.5°	1052.2	1049.3	1045.5	1047.4	1038.8	1032.0	1014.7	996.5	969.5	931.1	891.6
45°	938.7	937.8	935.8	934.9	929.1	922.4	907.9	886.8	857.0	817.6	770.4
47.5°	828.1	825.2	825.2	826.2	819.5	818.5	806.9	788.7	762.7	724.2	675.2
50°	722.3	721.4	723.3	727.1	722.3	720.4	712.7	700.2	677.1	644.4	598.2
52.5°	627.1	626.1	628.1	632.9	630.9	632.9	625.2	615.6	600.2	568.4	528.0
55°	533.8	533.8	533.8	539.6	539.6	539.6	535.7	530.0	515.5	492.4	455.0
57.5°	436.7	437.6	443.4	444.3	443.4	445.3	444.3	438.6	429.0	412.6	383.8
60°	354.9	354.9	357.8	360.7	359.7	360.7	360.7	357.8	348.2	334.7	311.6
62.5°	280.8	283.7	281.8	283.7	287.6	283.7	281.8	279.9	273.2	264.5	245.3
65°	212.6	214.5	214.5	215.4	213.5	214.5	210.7	207.8	203.9	194.3	181.8
67.5°	161.6	161.6	161.6	161.6	160.6	159.7	158.7	155.8	149.1	145.3	131.8
70°	124.1	118.3	118.3	118.3	118.3	119.3	116.4	112.6	110.6	103.9	94.3
72.5°	82.7	84.6	82.7	82.7	80.8	81.8	77.9	76.0	74.1	70.2	64.5
75°	59.6	54.8	56.7	57.7	54.8	56.7	52.9	49.1	49.1	46.2	43.3
77.5°	38.5	37.5	38.5	39.4	38.5	37.5	35.6	33.7	33.7	32.7	29.8
80°	27.9	26.9	26.9	26.9	26.0	26.9	25.0	25.0	23.1	22.1	20.2
82.5°	18.3	18.3	17.3	18.3	17.3	18.3	15.4	15.4	15.4	14.4	12.5
85°	12.5	10.6	10.6	11.6	9.6	11.6	10.6	9.6	8.7	8.7	7.7
87.5°	5.8	6.7	5.8	6.7	5.8	5.8	6.7	5.8	5.8	3.8	3.8
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8
2.5°	1960.2	1961.1	1961.1	1965.0	1966.9	1967.9	1967.9	1975.6	1972.7	1974.6	1976.5
5°	1932.3	1938.0	1940.0	1940.0	1950.6	1954.4	1958.2	1966.9	1967.9	1973.6	1980.4
7.5°	1905.3	1912.1	1916.0	1924.6	1931.3	1938.0	1949.6	1955.4	1961.1	1968.8	1977.5
10°	1879.4	1887.1	1894.8	1901.5	1912.1	1920.7	1928.4	1941.9	1948.7	1959.2	1970.7
12.5°	1854.4	1865.0	1871.7	1883.2	1894.8	1902.5	1914.0	1926.5	1937.1	1947.7	1961.1
15°	1832.3	1844.8	1852.4	1865.0	1877.5	1888.0	1900.6	1916.0	1923.6	1936.1	1948.7
17.5°	1808.2	1821.7	1831.3	1842.8	1858.2	1869.8	1880.4	1895.7	1905.3	1918.8	1933.3
20°	1783.2	1796.7	1808.2	1819.7	1835.1	1846.7	1859.2	1874.6	1885.2	1898.6	1910.2
22.5°	1753.4	1765.9	1778.4	1791.8	1807.2	1816.9	1831.3	1844.8	1856.3	1868.8	1880.4
25°	1714.9	1730.3	1739.9	1752.4	1764.9	1775.5	1790.9	1804.3	1814.0	1825.5	1836.1
27.5°	1669.7	1681.3	1688.9	1699.5	1712.0	1721.6	1733.2	1746.7	1756.3	1766.9	1774.5
30°	1592.7	1603.4	1610.1	1617.8	1630.3	1638.9	1648.6	1661.0	1667.8	1675.5	1682.2
32.5°	1491.8	1500.4	1504.3	1510.0	1518.7	1527.3	1535.1	1545.6	1548.5	1553.3	1553.3
35°	1345.6	1347.5	1346.5	1348.5	1352.3	1357.1	1363.8	1370.6	1374.4	1374.4	1371.6
37.5°	1174.4	1162.8	1150.3	1140.7	1137.8	1135.9	1139.8	1142.6	1146.5	1148.4	1143.6
40°	996.5	970.5	942.6	917.6	900.3	892.6	889.7	891.6	891.6	898.3	898.3
42.5°	843.5	803.1	761.8	724.2	699.2	680.0	671.4	671.4	672.3	677.1	680.0
45°	716.6	665.6	617.5	576.1	541.5	516.5	505.0	502.1	501.1	503.0	509.7
47.5°	619.4	566.5	516.5	465.5	429.0	404.0	393.4	389.5	385.7	389.5	390.5
50°	543.4	488.6	435.7	384.7	346.2	324.1	310.7	304.9	303.9	303.9	305.9
52.5°	474.2	423.2	370.3	318.4	278.0	256.8	244.3	241.4	237.6	241.4	241.4
55°	408.8	357.8	305.9	256.8	223.1	201.0	189.5	185.6	183.7	186.6	186.6
57.5°	337.6	294.3	246.2	202.0	168.3	152.9	144.3	139.5	138.5	140.4	138.5
60°	277.0	240.5	199.1	158.7	132.7	116.4	109.7	107.7	105.8	107.7	107.7
62.5°	219.3	188.5	154.8	124.1	101.9	90.4	82.7	82.7	81.8	81.8	82.7
65°	162.6	138.5	114.5	88.5	71.2	62.5	56.7	56.7	55.8	56.7	55.8
67.5°	118.3	101.9	82.7	64.5	51.0	46.2	42.3	39.4	41.4	39.4	38.5
70°	86.6	73.1	59.6	49.1	39.4	34.6	31.8	30.8	28.9	28.9	28.9
72.5°	57.7	49.1	40.4	31.8	26.0	21.1	20.2	18.3	16.4	17.3	19.2
75°	38.5	32.7	28.9	23.1	17.3	17.3	11.6	11.6	9.6	11.6	8.7
77.5°	26.9	22.1	17.3	14.4	11.6	10.6	7.7	7.7	6.7	6.7	6.7
80°	19.2	16.4	12.5	10.6	7.7	7.7	6.7	5.8	4.8	4.8	5.8
82.5°	11.6	8.7	8.7	7.7	4.8	3.8	2.9	3.8	1.9	1.9	1.9
85°	6.7	5.8	4.8	2.9	1.9	1.9	1.0	0.0	1.0	1.0	0.0
87.5°	3.8	1.9	1.9	1.0	0.0	1.0	1.0	0.0	0.0	0.0	1.9
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°	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8
2.5°	1981.4	1980.4	1982.3	1982.3	1988.1	1987.1	1990.0	1990.0	1988.1	1989.0	1992.9
5°	1988.1	1991.0	1996.7	2001.5	2010.2	2014.1	2018.8	2023.7	2024.6	2027.5	2030.4
7.5°	1988.1	1997.7	2004.4	2013.1	2024.6	2031.4	2041.9	2050.6	2054.4	2059.2	2065.0
10°	1984.2	1993.8	2006.3	2016.0	2030.4	2041.0	2051.5	2065.0	2070.8	2078.5	2086.2
12.5°	1976.5	1987.1	2000.6	2013.1	2029.4	2039.0	2052.5	2065.0	2073.7	2084.2	2092.9
15°	1965.0	1977.5	1990.0	2002.5	2019.8	2031.4	2043.9	2058.3	2066.9	2078.5	2086.2
17.5°	1946.7	1960.2	1971.7	1983.3	1999.6	2013.1	2024.6	2038.1	2046.8	2056.4	2066.9
20°	1924.6	1937.1	1949.6	1959.2	1975.6	1987.1	1999.6	2012.1	2018.8	2020.8	2037.1
22.5°	1896.7	1905.3	1915.0	1930.4	1940.0	1950.6	1962.1	1973.6	1980.4	1991.0	1996.7
25°	1850.5	1859.2	1869.8	1876.5	1888.0	1896.7	1908.2	1920.7	1924.6	1932.3	1938.0
27.5°	1786.1	1790.9	1795.7	1801.5	1808.2	1813.0	1819.7	1825.5	1829.4	1833.2	1837.0
30°	1684.1	1684.1	1684.1	1680.3	1683.2	1686.1	1687.0	1686.1	1686.1	1685.1	1685.1
32.5°	1549.5	1541.8	1533.1	1525.4	1522.6	1518.7	1516.8	1513.9	1509.1	1506.2	1507.2
35°	1367.7	1350.4	1339.8	1330.2	1322.5	1316.7	1313.8	1311.0	1310.0	1306.2	1302.3
37.5°	1140.7	1128.2	1120.5	1114.7	1108.0	1102.2	1103.2	1104.2	1107.0	1105.1	1106.1
40°	900.3	897.4	900.3	893.5	891.6	893.5	898.3	905.1	908.9	912.8	919.5
42.5°	684.8	689.6	696.4	696.4	699.2	703.1	708.8	719.5	725.2	731.9	739.6
45°	515.5	521.3	530.0	532.8	534.8	539.6	546.3	555.0	558.8	564.6	571.3
47.5°	397.2	401.1	405.9	410.7	415.5	417.4	424.2	424.2	429.0	432.8	434.7
50°	309.7	313.5	317.4	320.3	322.2	325.1	327.0	329.9	330.8	332.8	333.7
52.5°	242.4	247.2	247.2	249.1	252.0	254.9	253.9	254.9	255.8	255.8	258.7
55°	189.5	189.5	192.4	192.4	194.3	193.3	194.3	194.3	194.3	194.3	195.3
57.5°	141.4	142.4	145.3	143.3	142.4	144.3	142.4	144.3	143.3	145.3	142.4
60°	108.7	108.7	109.7	109.7	110.6	110.6	110.6	109.7	109.7	108.7	108.7
62.5°	81.8	82.7	83.7	82.7	82.7	82.7	81.8	81.8	80.8	79.8	79.8
65°	54.8	53.9	55.8	53.9	54.8	54.8	53.9	54.8	51.9	52.9	51.9
67.5°	39.4	38.5	37.5	38.5	37.5	36.5	36.5	37.5	38.5	35.6	35.6
70°	26.0	26.9	26.0	26.9	27.9	27.9	26.9	26.0	26.9	25.0	26.0
72.5°	16.4	16.4	16.4	16.4	16.4	17.3	17.3	17.3	15.4	15.4	14.4
75°	7.7	10.6	8.7	7.7	10.6	10.6	9.6	9.6	8.7	8.7	8.7
77.5°	7.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8	4.8	5.8	4.8
80°	3.8	3.8	3.8	2.9	3.8	3.8	4.8	3.8	3.8	2.9	4.8
82.5°	1.9	1.9	1.9	0.0	1.0	1.9	1.9	1.0	1.9	1.9	1.0
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



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8
2.5°	1991.9	1991.0	1991.9	1992.9	1991.9	1991.0	1991.9	1992.9	1989.0	1988.1	1990.0
5°	2034.2	2034.2	2036.1	2037.1	2036.1	2034.2	2034.2	2030.4	2027.5	2024.6	2023.7
7.5°	2070.8	2072.7	2074.6	2075.6	2074.6	2072.7	2070.8	2065.0	2059.2	2054.4	2050.6
10°	2092.9	2095.8	2099.6	2101.5	2099.6	2095.8	2092.9	2086.2	2078.5	2070.8	2065.0
12.5°	2102.5	2105.4	2110.2	2109.3	2110.2	2105.4	2102.5	2092.9	2084.2	2073.7	2065.0
15°	2095.8	2099.6	2104.4	2106.4	2104.4	2099.6	2095.8	2086.2	2078.5	2066.9	2058.3
17.5°	2074.6	2080.4	2083.3	2086.2	2083.3	2080.4	2074.6	2066.9	2056.4	2046.8	2038.1
20°	2045.8	2049.6	2053.5	2054.4	2053.5	2049.6	2045.8	2037.1	2020.8	2018.8	2012.1
22.5°	2004.4	2007.3	2016.0	2013.1	2016.0	2007.3	2004.4	1996.7	1991.0	1980.4	1973.6
25°	1944.8	1947.7	1948.7	1949.6	1948.7	1947.7	1944.8	1938.0	1932.3	1924.6	1920.7
27.5°	1841.9	1841.9	1843.8	1844.8	1843.8	1841.9	1841.9	1837.0	1833.2	1829.4	1825.5
30°	1686.1	1686.1	1686.1	1690.9	1686.1	1686.1	1686.1	1685.1	1685.1	1686.1	1686.1
32.5°	1506.2	1504.3	1502.4	1504.3	1502.4	1504.3	1506.2	1507.2	1506.2	1509.1	1513.9
35°	1302.3	1301.3	1304.2	1300.4	1304.2	1301.3	1302.3	1302.3	1306.2	1310.0	1311.0
37.5°	1107.0	1105.1	1109.0	1105.1	1109.0	1105.1	1107.0	1106.1	1105.1	1107.0	1104.2
40°	921.4	923.3	923.3	931.1	923.3	923.3	921.4	919.5	912.8	908.9	905.1
42.5°	743.5	749.3	747.3	753.1	747.3	749.3	743.5	739.6	731.9	725.2	719.5
45°	575.1	579.0	579.0	580.9	579.0	579.0	575.1	571.3	564.6	558.8	555.0
47.5°	441.5	441.5	441.5	442.4	441.5	441.5	441.5	434.7	432.8	429.0	424.2
50°	335.7	336.6	337.6	338.6	337.6	336.6	335.7	333.7	332.8	330.8	329.9
52.5°	257.8	258.7	256.8	258.7	256.8	258.7	257.8	258.7	255.8	255.8	254.9
55°	195.3	194.3	195.3	196.2	195.3	194.3	195.3	195.3	194.3	194.3	194.3
57.5°	143.3	141.4	141.4	141.4	141.4	141.4	143.3	142.4	145.3	143.3	144.3
60°	106.8	107.7	107.7	108.7	107.7	107.7	106.8	108.7	108.7	109.7	109.7
62.5°	78.9	81.8	79.8	81.8	79.8	81.8	78.9	79.8	79.8	80.8	81.8
65°	51.0	51.0	51.0	51.9	51.0	51.0	51.0	51.9	52.9	51.9	54.8
67.5°	34.6	35.6	37.5	36.5	37.5	35.6	34.6	35.6	35.6	38.5	37.5
70°	27.9	25.0	25.0	27.9	25.0	25.0	27.9	26.0	25.0	26.9	26.0
72.5°	16.4	14.4	16.4	16.4	16.4	14.4	16.4	14.4	15.4	15.4	17.3
75°	8.7	7.7	6.7	9.6	6.7	7.7	8.7	8.7	8.7	8.7	9.6
77.5°	5.8	4.8	6.7	6.7	6.7	4.8	5.8	4.8	5.8	4.8	5.8
80°	2.9	3.8	2.9	4.8	2.9	3.8	2.9	4.8	2.9	3.8	3.8
82.5°	1.0	1.9	1.9	1.9	1.9	1.9	1.0	1.0	1.9	1.9	1.0
85°	0.0	1.9	1.0	1.0	1.0	1.9	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	0.0	0.0	1.0	0.0	0.0	1.0	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: P248956

CATALOG NUMBER: LD8B60D010 ER8B609727 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8
2.5°	1990.0	1987.1	1988.1	1982.3	1982.3	1980.4	1981.4	1976.5	1974.6	1972.7	1975.6
5°	2018.8	2014.1	2010.2	2001.5	1996.7	1991.0	1988.1	1980.4	1973.6	1967.9	1966.9
7.5°	2041.9	2031.4	2024.6	2013.1	2004.4	1997.7	1988.1	1977.5	1968.8	1961.1	1955.4
10°	2051.5	2041.0	2030.4	2016.0	2006.3	1993.8	1984.2	1970.7	1959.2	1948.7	1941.9
12.5°	2052.5	2039.0	2029.4	2013.1	2000.6	1987.1	1976.5	1961.1	1947.7	1937.1	1926.5
15°	2043.9	2031.4	2019.8	2002.5	1990.0	1977.5	1965.0	1948.7	1936.1	1923.6	1916.0
17.5°	2024.6	2013.1	1999.6	1983.3	1971.7	1960.2	1946.7	1933.3	1918.8	1905.3	1895.7
20°	1999.6	1987.1	1975.6	1959.2	1949.6	1937.1	1924.6	1910.2	1898.6	1885.2	1874.6
22.5°	1962.1	1950.6	1940.0	1930.4	1915.0	1905.3	1896.7	1880.4	1868.8	1856.3	1844.8
25°	1908.2	1896.7	1888.0	1876.5	1869.8	1859.2	1850.5	1836.1	1825.5	1814.0	1804.3
27.5°	1819.7	1813.0	1808.2	1801.5	1795.7	1790.9	1786.1	1774.5	1766.9	1756.3	1746.7
30°	1687.0	1686.1	1683.2	1680.3	1684.1	1684.1	1684.1	1682.2	1675.5	1667.8	1661.0
32.5°	1516.8	1518.7	1522.6	1525.4	1533.1	1541.8	1549.5	1553.3	1553.3	1548.5	1545.6
35°	1313.8	1316.7	1322.5	1330.2	1339.8	1350.4	1367.7	1371.6	1374.4	1374.4	1370.6
37.5°	1103.2	1102.2	1108.0	1114.7	1120.5	1128.2	1140.7	1143.6	1148.4	1146.5	1142.6
40°	898.3	893.5	891.6	893.5	900.3	897.4	900.3	898.3	898.3	891.6	891.6
42.5°	708.8	703.1	699.2	696.4	696.4	689.6	684.8	680.0	677.1	672.3	671.4
45°	546.3	539.6	534.8	532.8	530.0	521.3	515.5	509.7	503.0	501.1	502.1
47.5°	424.2	417.4	415.5	410.7	405.9	401.1	397.2	390.5	389.5	385.7	389.5
50°	327.0	325.1	322.2	320.3	317.4	313.5	309.7	305.9	303.9	303.9	304.9
52.5°	253.9	254.9	252.0	249.1	247.2	247.2	242.4	241.4	241.4	237.6	241.4
55°	194.3	193.3	194.3	192.4	192.4	189.5	189.5	186.6	186.6	183.7	185.6
57.5°	142.4	144.3	142.4	143.3	145.3	142.4	141.4	138.5	140.4	138.5	139.5
60°	110.6	110.6	110.6	109.7	109.7	108.7	108.7	107.7	107.7	105.8	107.7
62.5°	81.8	82.7	82.7	82.7	83.7	82.7	81.8	82.7	81.8	81.8	82.7
65°	53.9	54.8	54.8	53.9	55.8	53.9	54.8	55.8	56.7	55.8	56.7
67.5°	36.5	36.5	37.5	38.5	37.5	38.5	39.4	38.5	39.4	41.4	39.4
70°	26.9	27.9	27.9	26.9	26.0	26.9	26.0	28.9	28.9	28.9	30.8
72.5°	17.3	17.3	16.4	16.4	16.4	16.4	16.4	19.2	17.3	16.4	18.3
75°	9.6	10.6	10.6	7.7	8.7	10.6	7.7	8.7	11.6	9.6	11.6
77.5°	5.8	5.8	5.8	5.8	5.8	5.8	7.7	6.7	6.7	6.7	7.7
80°	4.8	3.8	3.8	2.9	3.8	3.8	3.8	5.8	4.8	4.8	5.8
82.5°	1.9	1.9	1.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	3.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	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: P248956

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8
2.5°	1967.9	1967.9	1966.9	1965.0	1961.1	1961.1	1960.2	1957.3	1955.4	1954.4	1954.4
5°	1958.2	1954.4	1950.6	1940.0	1940.0	1938.0	1932.3	1928.4	1926.5	1921.7	1919.8
7.5°	1949.6	1938.0	1931.3	1924.6	1916.0	1912.1	1905.3	1902.5	1895.7	1890.9	1888.0
10°	1928.4	1920.7	1912.1	1901.5	1894.8	1887.1	1879.4	1873.6	1865.0	1860.1	1856.3
12.5°	1914.0	1902.5	1894.8	1883.2	1871.7	1865.0	1854.4	1847.7	1839.0	1829.4	1823.6
15°	1900.6	1888.0	1877.5	1865.0	1852.4	1844.8	1832.3	1824.6	1812.1	1802.4	1795.7
17.5°	1880.4	1869.8	1858.2	1842.8	1831.3	1821.7	1808.2	1798.6	1787.0	1774.5	1767.8
20°	1859.2	1846.7	1835.1	1819.7	1808.2	1796.7	1783.2	1772.6	1759.1	1747.6	1739.9
22.5°	1831.3	1816.9	1807.2	1791.8	1778.4	1765.9	1753.4	1740.9	1728.4	1718.8	1710.1
25°	1790.9	1775.5	1764.9	1752.4	1739.9	1730.3	1714.9	1707.2	1694.7	1686.1	1677.4
27.5°	1733.2	1721.6	1712.0	1699.5	1688.9	1681.3	1669.7	1662.0	1651.4	1643.7	1637.0
30°	1648.6	1638.9	1630.3	1617.8	1610.1	1603.4	1592.7	1586.0	1578.3	1569.7	1567.8
32.5°	1535.1	1527.3	1518.7	1510.0	1504.3	1500.4	1491.8	1487.9	1480.2	1475.4	1470.6
35°	1363.8	1357.1	1352.3	1348.5	1346.5	1347.5	1345.6	1349.4	1351.3	1350.4	1351.3
37.5°	1139.8	1135.9	1137.8	1140.7	1150.3	1162.8	1174.4	1191.7	1203.2	1214.8	1225.4
40°	889.7	892.6	900.3	917.6	942.6	970.5	996.5	1029.2	1061.9	1084.9	1106.1
42.5°	671.4	680.0	699.2	724.2	761.8	803.1	843.5	891.6	931.1	969.5	996.5
45°	505.0	516.5	541.5	576.1	617.5	665.6	716.6	770.4	817.6	857.0	886.8
47.5°	393.4	404.0	429.0	465.5	516.5	566.5	619.4	675.2	724.2	762.7	788.7
50°	310.7	324.1	346.2	384.7	435.7	488.6	543.4	598.2	644.4	677.1	700.2
52.5°	244.3	256.8	278.0	318.4	370.3	423.2	474.2	528.0	568.4	600.2	615.6
55°	189.5	201.0	223.1	256.8	305.9	357.8	408.8	455.0	492.4	515.5	530.0
57.5°	144.3	152.9	168.3	202.0	246.2	294.3	337.6	383.8	412.6	429.0	438.6
60°	109.7	116.4	132.7	158.7	199.1	240.5	277.0	311.6	334.7	348.2	357.8
62.5°	82.7	90.4	101.9	124.1	154.8	188.5	219.3	245.3	264.5	273.2	279.9
65°	56.7	62.5	71.2	88.5	114.5	138.5	162.6	181.8	194.3	203.9	207.8
67.5°	42.3	46.2	51.0	64.5	82.7	101.9	118.3	131.8	145.3	149.1	155.8
70°	31.8	34.6	39.4	49.1	59.6	73.1	86.6	94.3	103.9	110.6	112.6
72.5°	20.2	21.1	26.0	31.8	40.4	49.1	57.7	64.5	70.2	74.1	76.0
75°	11.6	17.3	17.3	23.1	28.9	32.7	38.5	43.3	46.2	49.1	49.1
77.5°	7.7	10.6	11.6	14.4	17.3	22.1	26.9	29.8	32.7	33.7	33.7
80°	6.7	7.7	7.7	10.6	12.5	16.4	19.2	20.2	22.1	23.1	25.0
82.5°	2.9	3.8	4.8	7.7	8.7	8.7	11.6	12.5	14.4	15.4	15.4
85°	1.0	1.9	1.9	2.9	4.8	5.8	6.7	7.7	8.7	8.7	9.6
87.5°	1.0	1.0	0.0	1.0	1.9	1.9	3.8	3.8	3.8	5.8	5.8
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: P248956

CATALOG NUMBER: LD8B60D010 ER8B609727 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8
2.5°	1952.5	1953.4	1949.6	1948.7	1946.7	1947.7	1949.6
5°	1916.9	1917.9	1914.0	1910.2	1910.2	1909.2	1910.2
7.5°	1883.2	1884.2	1878.4	1876.5	1872.6	1873.6	1873.6
10°	1849.6	1849.6	1840.9	1839.9	1837.0	1836.1	1836.1
12.5°	1816.9	1814.0	1807.2	1803.4	1805.3	1799.6	1799.6
15°	1788.0	1783.2	1774.5	1771.6	1766.9	1764.9	1764.9
17.5°	1758.2	1754.3	1746.7	1740.9	1735.1	1734.2	1735.1
20°	1729.3	1725.5	1715.9	1712.0	1707.2	1707.2	1705.3
22.5°	1700.5	1696.6	1688.0	1685.1	1678.4	1678.4	1679.3
25°	1670.7	1667.8	1658.1	1656.2	1655.3	1651.4	1653.4
27.5°	1630.3	1628.3	1620.7	1617.8	1613.9	1613.0	1614.9
30°	1556.2	1553.3	1547.6	1544.7	1538.0	1538.9	1540.8
32.5°	1463.9	1460.0	1452.3	1449.4	1443.7	1441.8	1442.7
35°	1348.5	1345.6	1338.9	1338.9	1333.1	1331.1	1333.1
37.5°	1231.1	1234.0	1231.1	1234.0	1231.1	1230.1	1231.1
40°	1120.5	1131.1	1133.0	1143.6	1139.8	1145.5	1144.6
42.5°	1014.7	1032.0	1038.8	1047.4	1045.5	1049.3	1052.2
45°	907.9	922.4	929.1	934.9	935.8	937.8	938.7
47.5°	806.9	818.5	819.5	826.2	825.2	825.2	828.1
50°	712.7	720.4	722.3	727.1	723.3	721.4	722.3
52.5°	625.2	632.9	630.9	632.9	628.1	626.1	627.1
55°	535.7	539.6	539.6	539.6	533.8	533.8	533.8
57.5°	444.3	445.3	443.4	444.3	443.4	437.6	436.7
60°	360.7	360.7	359.7	360.7	357.8	354.9	354.9
62.5°	281.8	283.7	287.6	283.7	281.8	283.7	280.8
65°	210.7	214.5	213.5	215.4	214.5	214.5	212.6
67.5°	158.7	159.7	160.6	161.6	161.6	161.6	161.6
70°	116.4	119.3	118.3	118.3	118.3	118.3	124.1
72.5°	77.9	81.8	80.8	82.7	82.7	84.6	82.7
75°	52.9	56.7	54.8	57.7	56.7	54.8	59.6
77.5°	35.6	37.5	38.5	39.4	38.5	37.5	38.5
80°	25.0	26.9	26.0	26.9	26.9	26.9	27.9
82.5°	15.4	18.3	17.3	18.3	17.3	18.3	18.3
85°	10.6	11.6	9.6	11.6	10.6	10.6	12.5
87.5°	6.7	5.8	5.8	6.7	5.8	6.7	5.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)