

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: P244588

Luminaire Tested: **LD8B40D010 ER8B409730 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244588
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: LD8B40D010 ER8B409730 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3242.0 lumens
Efficiency: N/A
Efficacy: 79.3 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

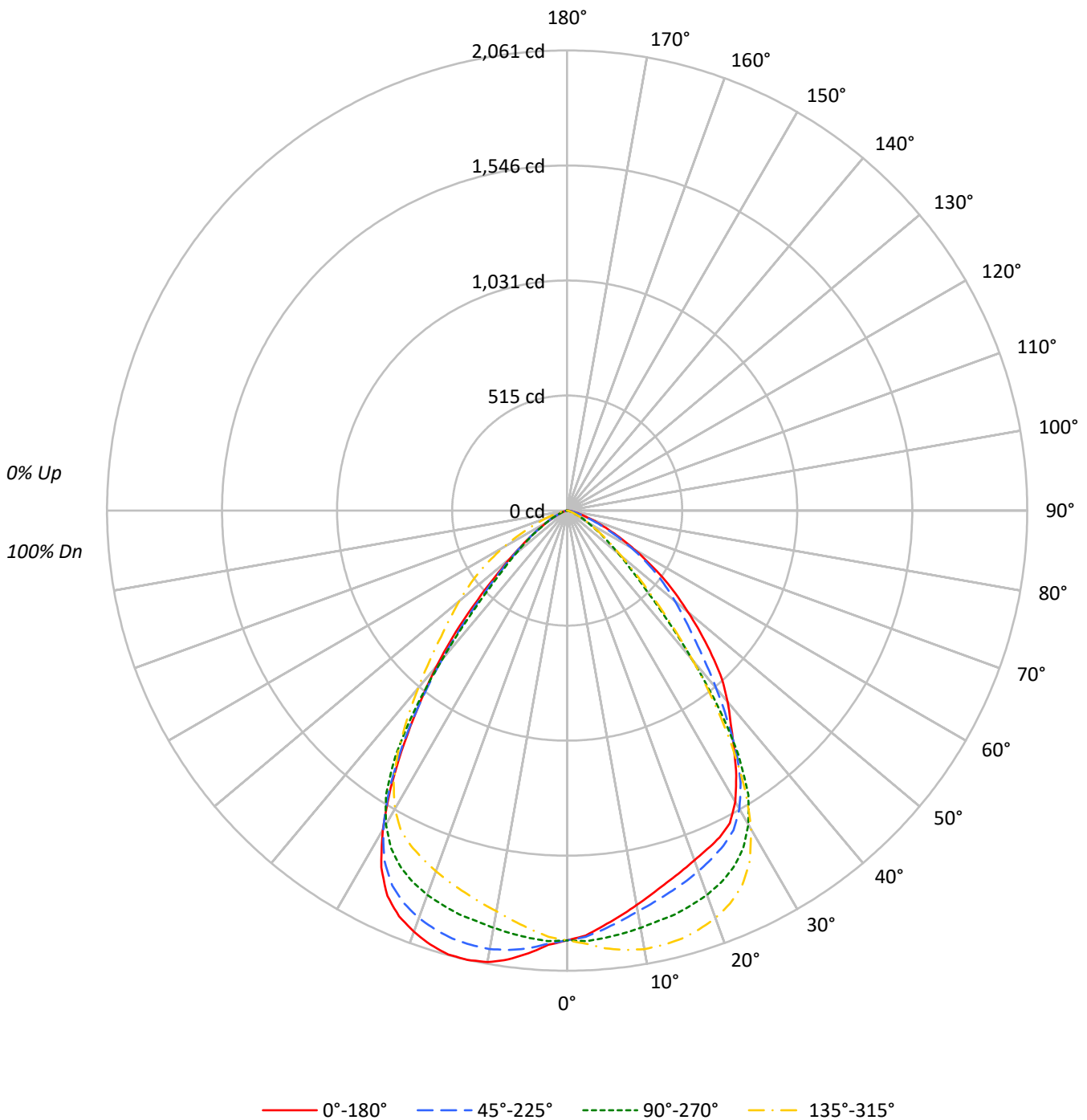
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P244588

CATALOG NUMBER: LD8B40D010 ER8B409730 8LBSW0H

Luminous Intensity Polar Plot





TEST NUMBER: P244588

CATALOG NUMBER: LD8B40D010 ER8B409730 8LBSW0H

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°				



TEST NUMBER: P244588

CATALOG NUMBER: LD8B40D010 ER8B409730 8LBSW0H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.2	5.7
10°-20°	530.5	16.4
20°-30°	803.3	24.8
30°-40°	805.1	24.8
40°-50°	505.5	15.6
50°-60°	269.4	8.3
60°-70°	110.8	3.4
70°-80°	29.3	0.9
80°-90°	4.9	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°	1517.0	46.8
0°-40°	2322.0	71.6
0°-60°	3097.0	95.5
0°-90°	3242.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3242.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1925	1925	1925	1925	1925	
5°	1866	1922	1990	1922	1866	176
15°	1724	1872	2058	1872	1724	488
25°	1616	1763	1905	1763	1616	741
35°	1302	1339	1271	1339	1302	816
45°	917	491	568	491	917	705
55°	522	181	192	181	522	465
65°	208	55	51	55	208	215
75°	58	11	9	11	58	66
85°	12	0	1	0	12	13
90°	0	0	0	0	0	



TEST NUMBER: P244588

CATALOG NUMBER: LD8B40D010 ER8B409730 8LBSW0H

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7
2.5°	1904.9	1903.0	1902.1	1904.0	1904.9	1908.7	1907.8	1909.6	1909.6	1910.6	1912.4
5°	1866.4	1865.5	1866.4	1866.4	1870.2	1873.9	1873.0	1875.8	1877.7	1882.4	1884.2
7.5°	1830.7	1830.7	1829.7	1833.5	1835.4	1841.0	1840.1	1844.8	1847.6	1852.3	1858.9
10°	1794.0	1794.0	1795.0	1797.8	1798.8	1807.2	1807.2	1813.8	1817.5	1822.2	1830.7
12.5°	1758.3	1758.3	1764.0	1762.1	1765.8	1772.4	1775.2	1781.8	1787.5	1796.9	1805.3
15°	1724.5	1724.5	1726.4	1731.1	1733.9	1742.4	1747.0	1754.6	1761.2	1770.6	1782.8
17.5°	1695.4	1694.4	1695.4	1701.0	1706.7	1714.2	1717.9	1727.3	1733.9	1746.1	1757.4
20°	1666.2	1668.1	1668.1	1672.8	1676.6	1686.0	1689.7	1700.1	1707.6	1718.8	1732.0
22.5°	1640.9	1639.9	1639.9	1646.5	1649.3	1657.8	1661.5	1670.9	1679.4	1688.8	1701.0
25°	1615.5	1613.6	1617.4	1618.3	1620.2	1629.6	1632.4	1639.0	1647.4	1655.9	1668.1
27.5°	1577.9	1576.0	1577.0	1580.7	1583.5	1591.0	1592.9	1599.5	1606.1	1613.6	1624.0
30°	1505.5	1503.7	1502.7	1509.3	1512.1	1517.7	1520.6	1531.9	1533.7	1542.2	1549.7
32.5°	1409.7	1408.7	1410.6	1416.2	1419.1	1426.6	1430.4	1436.9	1441.6	1446.3	1453.8
35°	1302.5	1300.7	1302.5	1308.2	1308.2	1314.8	1317.6	1320.4	1319.5	1320.4	1318.5
37.5°	1202.9	1202.0	1202.9	1205.7	1202.9	1205.7	1202.9	1197.3	1187.0	1175.7	1164.4
40°	1118.3	1119.3	1113.7	1117.4	1107.0	1105.2	1094.9	1080.7	1060.1	1037.5	1005.6
42.5°	1028.1	1025.3	1021.6	1023.4	1015.0	1008.4	991.5	973.6	947.3	909.7	871.2
45°	917.2	916.3	914.4	913.5	907.8	901.3	887.1	866.5	837.4	798.8	752.8
47.5°	809.2	806.3	806.3	807.3	800.7	799.8	788.5	770.6	745.3	707.7	659.7
50°	705.8	704.8	706.7	710.5	705.8	703.9	696.4	684.2	661.6	629.7	584.5
52.5°	612.7	611.8	613.7	618.4	616.5	618.4	610.9	601.5	586.4	555.4	515.9
55°	521.6	521.6	521.6	527.2	527.2	527.2	523.4	517.8	503.7	481.2	444.5
57.5°	426.7	427.6	433.2	434.2	433.2	435.1	434.2	428.5	419.2	403.2	375.0
60°	346.8	346.8	349.6	352.4	351.5	352.4	352.4	349.6	340.2	327.1	304.5
62.5°	274.4	277.2	275.3	277.2	281.0	277.2	275.3	273.5	266.9	258.4	239.6
65°	207.7	209.6	209.6	210.5	208.6	209.6	205.8	203.0	199.3	189.9	177.6
67.5°	157.9	157.9	157.9	157.9	156.9	156.0	155.1	152.3	145.7	141.9	128.7
70°	121.2	115.6	115.6	115.6	115.6	116.5	113.7	110.0	108.1	101.5	92.1
72.5°	80.8	82.7	80.8	80.8	79.0	79.9	76.1	74.2	72.4	68.6	63.0
75°	58.3	53.6	55.4	56.4	53.6	55.4	51.7	47.9	47.9	45.1	42.3
77.5°	37.6	36.7	37.6	38.5	37.6	36.7	34.8	32.9	32.9	32.0	29.1
80°	27.3	26.3	26.3	26.3	25.4	26.3	24.4	24.4	22.6	21.6	19.7
82.5°	17.9	17.9	16.9	17.9	16.9	17.9	15.0	15.0	15.0	14.1	12.2
85°	12.2	10.3	10.3	11.3	9.4	11.3	10.3	9.4	8.5	8.5	7.5
87.5°	5.6	6.6	5.6	6.6	5.6	5.6	6.6	5.6	5.6	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



TEST NUMBER: P244588

CATALOG NUMBER: LD8B40D010 ER8B409730 8LBSW0H

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7
2.5°	1915.3	1916.2	1916.2	1920.0	1921.8	1922.8	1922.8	1930.3	1927.5	1929.4	1931.2
5°	1888.0	1893.6	1895.5	1895.5	1905.9	1909.6	1913.4	1921.8	1922.8	1928.4	1935.0
7.5°	1861.7	1868.3	1872.1	1880.5	1887.1	1893.6	1904.9	1910.6	1916.2	1923.7	1932.2
10°	1836.3	1843.9	1851.4	1857.9	1868.3	1876.7	1884.2	1897.4	1904.0	1914.3	1925.6
12.5°	1811.9	1822.2	1828.8	1840.1	1851.4	1858.9	1870.2	1882.4	1892.7	1903.0	1916.2
15°	1790.3	1802.5	1810.0	1822.2	1834.5	1844.8	1857.0	1872.1	1879.6	1891.8	1904.0
17.5°	1766.8	1780.0	1789.4	1800.6	1815.7	1826.9	1837.3	1852.3	1861.7	1874.9	1889.0
20°	1742.4	1755.5	1766.8	1778.1	1793.1	1804.4	1816.6	1831.6	1842.0	1855.1	1866.4
22.5°	1713.2	1725.5	1737.6	1750.8	1765.8	1775.2	1789.4	1802.5	1813.8	1826.0	1837.3
25°	1675.6	1690.7	1700.1	1712.3	1724.5	1734.8	1749.9	1763.0	1772.4	1783.7	1794.0
27.5°	1631.5	1642.8	1650.3	1660.6	1672.8	1682.2	1693.5	1706.7	1716.1	1726.4	1733.9
30°	1556.3	1566.6	1573.2	1580.7	1592.9	1601.4	1610.8	1623.0	1629.6	1637.1	1643.7
32.5°	1457.6	1466.1	1469.8	1475.5	1483.9	1492.4	1499.9	1510.2	1513.1	1517.7	1517.7
35°	1314.8	1316.6	1315.7	1317.6	1321.3	1326.0	1332.6	1339.2	1342.9	1342.9	1340.1
37.5°	1147.5	1136.2	1124.0	1114.6	1111.8	1109.9	1113.7	1116.4	1120.2	1122.1	1117.4
40°	973.6	948.3	921.0	896.5	879.6	872.1	869.3	871.2	871.2	877.7	877.7
42.5°	824.2	784.7	744.3	707.7	683.2	664.4	656.0	656.0	656.9	661.6	664.4
45°	700.1	650.3	603.3	562.9	529.1	504.6	493.4	490.6	489.6	491.5	498.1
47.5°	605.2	553.5	504.6	454.9	419.2	394.7	384.4	380.6	376.8	380.6	381.6
50°	531.0	477.4	425.7	375.9	338.3	316.7	303.5	297.9	297.0	297.0	298.9
52.5°	463.3	413.5	361.8	311.1	271.6	250.9	238.7	235.9	232.1	235.9	235.9
55°	399.4	349.6	298.9	250.9	218.0	196.4	185.1	181.4	179.5	182.3	182.3
57.5°	329.9	287.6	240.6	197.4	164.5	149.4	141.0	136.3	135.3	137.2	135.3
60°	270.7	235.0	194.5	155.1	129.7	113.7	107.1	105.3	103.4	105.3	105.3
62.5°	214.3	184.2	151.3	121.2	99.6	88.4	80.8	80.8	79.9	79.9	80.8
65°	158.8	135.3	111.8	86.5	69.6	61.1	55.4	55.4	54.5	55.4	54.5
67.5°	115.6	99.6	80.8	63.0	49.8	45.1	41.4	38.5	40.4	38.5	37.6
70°	84.6	71.4	58.3	47.9	38.5	33.8	31.0	30.1	28.2	28.2	28.2
72.5°	56.4	47.9	39.5	31.0	25.4	20.7	19.7	17.9	16.0	16.9	18.8
75°	37.6	32.0	28.2	22.6	16.9	16.9	11.3	11.3	9.4	11.3	8.5
77.5°	26.3	21.6	16.9	14.1	11.3	10.3	7.5	7.5	6.6	6.6	6.6
80°	18.8	16.0	12.2	10.3	7.5	7.5	6.6	5.6	4.7	4.7	5.6
82.5°	11.3	8.5	8.5	7.5	4.7	3.8	2.8	3.8	1.9	1.9	1.9
85°	6.6	5.6	4.7	2.8	1.9	1.9	0.9	0.0	0.9	0.9	0.0
87.5°	3.8	1.9	1.9	0.9	0.0	0.9	0.9	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



TEST NUMBER: P244588

CATALOG NUMBER: LD8B40D010 ER8B409730 8LBSW0H

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7
2.5°	1936.0	1935.0	1936.9	1936.9	1942.5	1941.6	1944.4	1944.4	1942.5	1943.5	1947.2
5°	1942.5	1945.4	1951.0	1955.7	1964.1	1967.9	1972.6	1977.3	1978.2	1981.1	1983.9
7.5°	1942.5	1951.9	1958.5	1967.0	1978.2	1984.8	1995.2	2003.6	2007.4	2012.1	2017.7
10°	1938.8	1948.2	1960.4	1969.8	1983.9	1994.2	2004.6	2017.7	2023.4	2030.9	2038.4
12.5°	1931.2	1941.6	1954.7	1967.0	1982.9	1992.3	2005.5	2017.7	2026.2	2036.5	2045.0
15°	1920.0	1932.2	1944.4	1956.6	1973.5	1984.8	1997.0	2011.1	2019.6	2030.9	2038.4
17.5°	1902.1	1915.3	1926.6	1937.8	1953.8	1967.0	1978.2	1991.4	1999.9	2009.3	2019.6
20°	1880.5	1892.7	1904.9	1914.3	1930.3	1941.6	1953.8	1966.0	1972.6	1974.5	1990.5
22.5°	1853.3	1861.7	1871.1	1886.1	1895.5	1905.9	1917.2	1928.4	1935.0	1945.4	1951.0
25°	1808.1	1816.6	1826.9	1833.5	1844.8	1853.3	1864.5	1876.7	1880.5	1888.0	1893.6
27.5°	1745.2	1749.9	1754.6	1760.2	1766.8	1771.5	1778.1	1783.7	1787.5	1791.2	1795.0
30°	1645.5	1645.5	1645.5	1641.8	1644.6	1647.4	1648.4	1647.4	1647.4	1646.5	1646.5
32.5°	1514.0	1506.5	1498.0	1490.5	1487.7	1483.9	1482.0	1479.2	1474.5	1471.7	1472.6
35°	1336.4	1319.5	1309.1	1299.7	1292.2	1286.6	1283.7	1280.9	1280.0	1276.2	1272.5
37.5°	1114.6	1102.4	1094.9	1089.2	1082.6	1077.0	1077.9	1078.9	1081.7	1079.8	1080.7
40°	879.6	876.8	879.6	873.1	871.2	873.1	877.7	884.4	888.1	891.9	898.4
42.5°	669.1	673.8	680.4	680.4	683.2	687.0	692.6	703.0	708.6	715.2	722.7
45°	503.7	509.4	517.8	520.6	522.5	527.2	533.8	542.2	546.0	551.6	558.2
47.5°	388.1	391.9	396.6	401.3	406.0	407.9	414.4	414.4	419.2	422.9	424.8
50°	302.6	306.4	310.1	312.9	314.8	317.7	319.5	322.3	323.3	325.2	326.1
52.5°	236.8	241.5	241.5	243.4	246.2	249.0	248.1	249.0	250.0	250.0	252.8
55°	185.1	185.1	188.0	188.0	189.9	188.9	189.9	189.9	189.9	189.9	190.8
57.5°	138.1	139.1	141.9	140.0	139.1	141.0	139.1	141.0	140.0	141.9	139.1
60°	106.2	106.2	107.1	107.1	108.1	108.1	108.1	107.1	107.1	106.2	106.2
62.5°	79.9	80.8	81.8	80.8	80.8	80.8	79.9	79.9	79.0	78.0	78.0
65°	53.6	52.6	54.5	52.6	53.6	53.6	52.6	53.6	50.8	51.7	50.8
67.5°	38.5	37.6	36.7	37.6	36.7	35.7	35.7	36.7	37.6	34.8	34.8
70°	25.4	26.3	25.4	26.3	27.3	27.3	26.3	25.4	26.3	24.4	25.4
72.5°	16.0	16.0	16.0	16.0	16.0	16.9	16.9	16.9	15.0	15.0	14.1
75°	7.5	10.3	8.5	7.5	10.3	10.3	9.4	9.4	8.5	8.5	8.5
77.5°	7.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	4.7	5.6	4.7
80°	3.8	3.8	3.8	2.8	3.8	3.8	4.7	3.8	3.8	2.8	4.7
82.5°	1.9	1.9	1.9	0.0	0.9	1.9	1.9	0.9	1.9	1.9	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: P244588

CATALOG NUMBER: LD8B40D010 ER8B409730 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7
2.5°	1946.3	1945.4	1946.3	1947.2	1946.3	1945.4	1946.3	1947.2	1943.5	1942.5	1944.4
5°	1987.6	1987.6	1989.5	1990.5	1989.5	1987.6	1987.6	1983.9	1981.1	1978.2	1977.3
7.5°	2023.4	2025.2	2027.1	2028.0	2027.1	2025.2	2023.4	2017.7	2012.1	2007.4	2003.6
10°	2045.0	2047.8	2051.6	2053.4	2051.6	2047.8	2045.0	2038.4	2030.9	2023.4	2017.7
12.5°	2054.4	2057.2	2061.9	2061.0	2061.9	2057.2	2054.4	2045.0	2036.5	2026.2	2017.7
15°	2047.8	2051.6	2056.2	2058.1	2056.2	2051.6	2047.8	2038.4	2030.9	2019.6	2011.1
17.5°	2027.1	2032.8	2035.6	2038.4	2035.6	2032.8	2027.1	2019.6	2009.3	1999.9	1991.4
20°	1998.9	2002.7	2006.4	2007.4	2006.4	2002.7	1998.9	1990.5	1974.5	1972.6	1966.0
22.5°	1958.5	1961.3	1969.8	1967.0	1969.8	1961.3	1958.5	1951.0	1945.4	1935.0	1928.4
25°	1900.2	1903.0	1904.0	1904.9	1904.0	1903.0	1900.2	1893.6	1888.0	1880.5	1876.7
27.5°	1799.7	1799.7	1801.5	1802.5	1801.5	1799.7	1799.7	1795.0	1791.2	1787.5	1783.7
30°	1647.4	1647.4	1647.4	1652.2	1647.4	1647.4	1647.4	1646.5	1646.5	1647.4	1647.4
32.5°	1471.7	1469.8	1468.0	1469.8	1468.0	1469.8	1471.7	1472.6	1471.7	1474.5	1479.2
35°	1272.5	1271.5	1274.3	1270.6	1274.3	1271.5	1272.5	1272.5	1276.2	1280.0	1280.9
37.5°	1081.7	1079.8	1083.6	1079.8	1083.6	1079.8	1081.7	1080.7	1079.8	1081.7	1078.9
40°	900.3	902.2	902.2	909.7	902.2	902.2	900.3	898.4	891.9	888.1	884.4
42.5°	726.5	732.1	730.2	735.9	730.2	732.1	726.5	722.7	715.2	708.6	703.0
45°	562.0	565.8	565.8	567.6	565.8	565.8	562.0	558.2	551.6	546.0	542.2
47.5°	431.3	431.3	431.3	432.3	431.3	431.3	431.3	424.8	422.9	419.2	414.4
50°	328.0	328.9	329.9	330.8	329.9	328.9	328.0	326.1	325.2	323.3	322.3
52.5°	251.9	252.8	250.9	252.8	250.9	252.8	251.9	252.8	250.0	250.0	249.0
55°	190.8	189.9	190.8	191.7	190.8	189.9	190.8	190.8	189.9	189.9	189.9
57.5°	140.0	138.1	138.1	138.1	138.1	138.1	140.0	139.1	141.9	140.0	141.0
60°	104.3	105.3	105.3	106.2	105.3	105.3	104.3	106.2	106.2	107.1	107.1
62.5°	77.1	79.9	78.0	79.9	78.0	79.9	77.1	78.0	78.0	79.0	79.9
65°	49.8	49.8	49.8	50.8	49.8	49.8	49.8	50.8	51.7	50.8	53.6
67.5°	33.8	34.8	36.7	35.7	36.7	34.8	33.8	34.8	34.8	37.6	36.7
70°	27.3	24.4	24.4	27.3	24.4	24.4	27.3	25.4	24.4	26.3	25.4
72.5°	16.0	14.1	16.0	16.0	16.0	14.1	16.0	14.1	15.0	15.0	16.9
75°	8.5	7.5	6.6	9.4	6.6	7.5	8.5	8.5	8.5	8.5	9.4
77.5°	5.6	4.7	6.6	6.6	6.6	4.7	5.6	4.7	5.6	4.7	5.6
80°	2.8	3.8	2.8	4.7	2.8	3.8	2.8	4.7	2.8	3.8	3.8
82.5°	0.9	1.9	1.9	1.9	1.9	1.9	0.9	0.9	1.9	1.9	0.9
85°	0.0	1.9	0.9	0.9	0.9	1.9	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: P244588

CATALOG NUMBER: LD8B40D010 ER8B409730 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7
2.5°	1944.4	1941.6	1942.5	1936.9	1936.9	1935.0	1936.0	1931.2	1929.4	1927.5	1930.3
5°	1972.6	1967.9	1964.1	1955.7	1951.0	1945.4	1942.5	1935.0	1928.4	1922.8	1921.8
7.5°	1995.2	1984.8	1978.2	1967.0	1958.5	1951.9	1942.5	1932.2	1923.7	1916.2	1910.6
10°	2004.6	1994.2	1983.9	1969.8	1960.4	1948.2	1938.8	1925.6	1914.3	1904.0	1897.4
12.5°	2005.5	1992.3	1982.9	1967.0	1954.7	1941.6	1931.2	1916.2	1903.0	1892.7	1882.4
15°	1997.0	1984.8	1973.5	1956.6	1944.4	1932.2	1920.0	1904.0	1891.8	1879.6	1872.1
17.5°	1978.2	1967.0	1953.8	1937.8	1926.6	1915.3	1902.1	1889.0	1874.9	1861.7	1852.3
20°	1953.8	1941.6	1930.3	1914.3	1904.9	1892.7	1880.5	1866.4	1855.1	1842.0	1831.6
22.5°	1917.2	1905.9	1895.5	1886.1	1871.1	1861.7	1853.3	1837.3	1826.0	1813.8	1802.5
25°	1864.5	1853.3	1844.8	1833.5	1826.9	1816.6	1808.1	1794.0	1783.7	1772.4	1763.0
27.5°	1778.1	1771.5	1766.8	1760.2	1754.6	1749.9	1745.2	1733.9	1726.4	1716.1	1706.7
30°	1648.4	1647.4	1644.6	1641.8	1645.5	1645.5	1645.5	1643.7	1637.1	1629.6	1623.0
32.5°	1482.0	1483.9	1487.7	1490.5	1498.0	1506.5	1514.0	1517.7	1517.7	1513.1	1510.2
35°	1283.7	1286.6	1292.2	1299.7	1309.1	1319.5	1336.4	1340.1	1342.9	1342.9	1339.2
37.5°	1077.9	1077.0	1082.6	1089.2	1094.9	1102.4	1114.6	1117.4	1122.1	1120.2	1116.4
40°	877.7	873.1	871.2	873.1	879.6	876.8	879.6	877.7	877.7	871.2	871.2
42.5°	692.6	687.0	683.2	680.4	680.4	673.8	669.1	664.4	661.6	656.9	656.0
45°	533.8	527.2	522.5	520.6	517.8	509.4	503.7	498.1	491.5	489.6	490.6
47.5°	414.4	407.9	406.0	401.3	396.6	391.9	388.1	381.6	380.6	376.8	380.6
50°	319.5	317.7	314.8	312.9	310.1	306.4	302.6	298.9	297.0	297.0	297.9
52.5°	248.1	249.0	246.2	243.4	241.5	241.5	236.8	235.9	235.9	232.1	235.9
55°	189.9	188.9	189.9	188.0	188.0	185.1	185.1	182.3	182.3	179.5	181.4
57.5°	139.1	141.0	139.1	140.0	141.9	139.1	138.1	135.3	137.2	135.3	136.3
60°	108.1	108.1	108.1	107.1	107.1	106.2	106.2	105.3	105.3	103.4	105.3
62.5°	79.9	80.8	80.8	80.8	81.8	80.8	79.9	80.8	79.9	79.9	80.8
65°	52.6	53.6	53.6	52.6	54.5	52.6	53.6	54.5	55.4	54.5	55.4
67.5°	35.7	35.7	36.7	37.6	36.7	37.6	38.5	37.6	38.5	40.4	38.5
70°	26.3	27.3	27.3	26.3	25.4	26.3	25.4	28.2	28.2	28.2	30.1
72.5°	16.9	16.9	16.0	16.0	16.0	16.0	16.0	18.8	16.9	16.0	17.9
75°	9.4	10.3	10.3	7.5	8.5	10.3	7.5	8.5	11.3	9.4	11.3
77.5°	5.6	5.6	5.6	5.6	5.6	5.6	7.5	6.6	6.6	6.6	7.5
80°	4.7	3.8	3.8	2.8	3.8	3.8	3.8	5.6	4.7	4.7	5.6
82.5°	1.9	1.9	0.9	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	0.9	0.9	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: P244588

CATALOG NUMBER: LD8B40D010 ER8B409730 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7
2.5°	1922.8	1922.8	1921.8	1920.0	1916.2	1916.2	1915.3	1912.4	1910.6	1909.6	1909.6
5°	1913.4	1909.6	1905.9	1895.5	1895.5	1893.6	1888.0	1884.2	1882.4	1877.7	1875.8
7.5°	1904.9	1893.6	1887.1	1880.5	1872.1	1868.3	1861.7	1858.9	1852.3	1847.6	1844.8
10°	1884.2	1876.7	1868.3	1857.9	1851.4	1843.9	1836.3	1830.7	1822.2	1817.5	1813.8
12.5°	1870.2	1858.9	1851.4	1840.1	1828.8	1822.2	1811.9	1805.3	1796.9	1787.5	1781.8
15°	1857.0	1844.8	1834.5	1822.2	1810.0	1802.5	1790.3	1782.8	1770.6	1761.2	1754.6
17.5°	1837.3	1826.9	1815.7	1800.6	1789.4	1780.0	1766.8	1757.4	1746.1	1733.9	1727.3
20°	1816.6	1804.4	1793.1	1778.1	1766.8	1755.5	1742.4	1732.0	1718.8	1707.6	1700.1
22.5°	1789.4	1775.2	1765.8	1750.8	1737.6	1725.5	1713.2	1701.0	1688.8	1679.4	1670.9
25°	1749.9	1734.8	1724.5	1712.3	1700.1	1690.7	1675.6	1668.1	1655.9	1647.4	1639.0
27.5°	1693.5	1682.2	1672.8	1660.6	1650.3	1642.8	1631.5	1624.0	1613.6	1606.1	1599.5
30°	1610.8	1601.4	1592.9	1580.7	1573.2	1566.6	1556.3	1549.7	1542.2	1533.7	1531.9
32.5°	1499.9	1492.4	1483.9	1475.5	1469.8	1466.1	1457.6	1453.8	1446.3	1441.6	1436.9
35°	1332.6	1326.0	1321.3	1317.6	1315.7	1316.6	1314.8	1318.5	1320.4	1319.5	1320.4
37.5°	1113.7	1109.9	1111.8	1114.6	1124.0	1136.2	1147.5	1164.4	1175.7	1187.0	1197.3
40°	869.3	872.1	879.6	896.5	921.0	948.3	973.6	1005.6	1037.5	1060.1	1080.7
42.5°	656.0	664.4	683.2	707.7	744.3	784.7	824.2	871.2	909.7	947.3	973.6
45°	493.4	504.6	529.1	562.9	603.3	650.3	700.1	752.8	798.8	837.4	866.5
47.5°	384.4	394.7	419.2	454.9	504.6	553.5	605.2	659.7	707.7	745.3	770.6
50°	303.5	316.7	338.3	375.9	425.7	477.4	531.0	584.5	629.7	661.6	684.2
52.5°	238.7	250.9	271.6	311.1	361.8	413.5	463.3	515.9	555.4	586.4	601.5
55°	185.1	196.4	218.0	250.9	298.9	349.6	399.4	444.5	481.2	503.7	517.8
57.5°	141.0	149.4	164.5	197.4	240.6	287.6	329.9	375.0	403.2	419.2	428.5
60°	107.1	113.7	129.7	155.1	194.5	235.0	270.7	304.5	327.1	340.2	349.6
62.5°	80.8	88.4	99.6	121.2	151.3	184.2	214.3	239.6	258.4	266.9	273.5
65°	55.4	61.1	69.6	86.5	111.8	135.3	158.8	177.6	189.9	199.3	203.0
67.5°	41.4	45.1	49.8	63.0	80.8	99.6	115.6	128.7	141.9	145.7	152.3
70°	31.0	33.8	38.5	47.9	58.3	71.4	84.6	92.1	101.5	108.1	110.0
72.5°	19.7	20.7	25.4	31.0	39.5	47.9	56.4	63.0	68.6	72.4	74.2
75°	11.3	16.9	16.9	22.6	28.2	32.0	37.6	42.3	45.1	47.9	47.9
77.5°	7.5	10.3	11.3	14.1	16.9	21.6	26.3	29.1	32.0	32.9	32.9
80°	6.6	7.5	7.5	10.3	12.2	16.0	18.8	19.7	21.6	22.6	24.4
82.5°	2.8	3.8	4.7	7.5	8.5	8.5	11.3	12.2	14.1	15.0	15.0
85°	0.9	1.9	1.9	2.8	4.7	5.6	6.6	7.5	8.5	8.5	9.4
87.5°	0.9	0.9	0.0	0.9	1.9	1.9	3.8	3.8	3.8	5.6	5.6
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: P244588

CATALOG NUMBER: LD8B40D010 ER8B409730 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7	1924.7
2.5°	1907.8	1908.7	1904.9	1904.0	1902.1	1903.0	1904.9
5°	1873.0	1873.9	1870.2	1866.4	1866.4	1865.5	1866.4
7.5°	1840.1	1841.0	1835.4	1833.5	1829.7	1830.7	1830.7
10°	1807.2	1807.2	1798.8	1797.8	1795.0	1794.0	1794.0
12.5°	1775.2	1772.4	1765.8	1762.1	1764.0	1758.3	1758.3
15°	1747.0	1742.4	1733.9	1731.1	1726.4	1724.5	1724.5
17.5°	1717.9	1714.2	1706.7	1701.0	1695.4	1694.4	1695.4
20°	1689.7	1686.0	1676.6	1672.8	1668.1	1668.1	1666.2
22.5°	1661.5	1657.8	1649.3	1646.5	1639.9	1639.9	1640.9
25°	1632.4	1629.6	1620.2	1618.3	1617.4	1613.6	1615.5
27.5°	1592.9	1591.0	1583.5	1580.7	1577.0	1576.0	1577.9
30°	1520.6	1517.7	1512.1	1509.3	1502.7	1503.7	1505.5
32.5°	1430.4	1426.6	1419.1	1416.2	1410.6	1408.7	1409.7
35°	1317.6	1314.8	1308.2	1308.2	1302.5	1300.7	1302.5
37.5°	1202.9	1205.7	1202.9	1205.7	1202.9	1202.0	1202.9
40°	1094.9	1105.2	1107.0	1117.4	1113.7	1119.3	1118.3
42.5°	991.5	1008.4	1015.0	1023.4	1021.6	1025.3	1028.1
45°	887.1	901.3	907.8	913.5	914.4	916.3	917.2
47.5°	788.5	799.8	800.7	807.3	806.3	806.3	809.2
50°	696.4	703.9	705.8	710.5	706.7	704.8	705.8
52.5°	610.9	618.4	616.5	618.4	613.7	611.8	612.7
55°	523.4	527.2	527.2	527.2	521.6	521.6	521.6
57.5°	434.2	435.1	433.2	434.2	433.2	427.6	426.7
60°	352.4	352.4	351.5	352.4	349.6	346.8	346.8
62.5°	275.3	277.2	281.0	277.2	275.3	277.2	274.4
65°	205.8	209.6	208.6	210.5	209.6	209.6	207.7
67.5°	155.1	156.0	156.9	157.9	157.9	157.9	157.9
70°	113.7	116.5	115.6	115.6	115.6	115.6	121.2
72.5°	76.1	79.9	79.0	80.8	80.8	82.7	80.8
75°	51.7	55.4	53.6	56.4	55.4	53.6	58.3
77.5°	34.8	36.7	37.6	38.5	37.6	36.7	37.6
80°	24.4	26.3	25.4	26.3	26.3	26.3	27.3
82.5°	15.0	17.9	16.9	17.9	16.9	17.9	17.9
85°	10.3	11.3	9.4	11.3	10.3	10.3	12.2
87.5°	6.6	5.6	5.6	6.6	5.6	6.6	5.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)