

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: P245914

Luminaire Tested: **LD8B40D010 ER8B40850 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245914
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 ER8B40850 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 5000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3406.0 lumens
Efficiency: N/A
Efficacy: 83.3 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

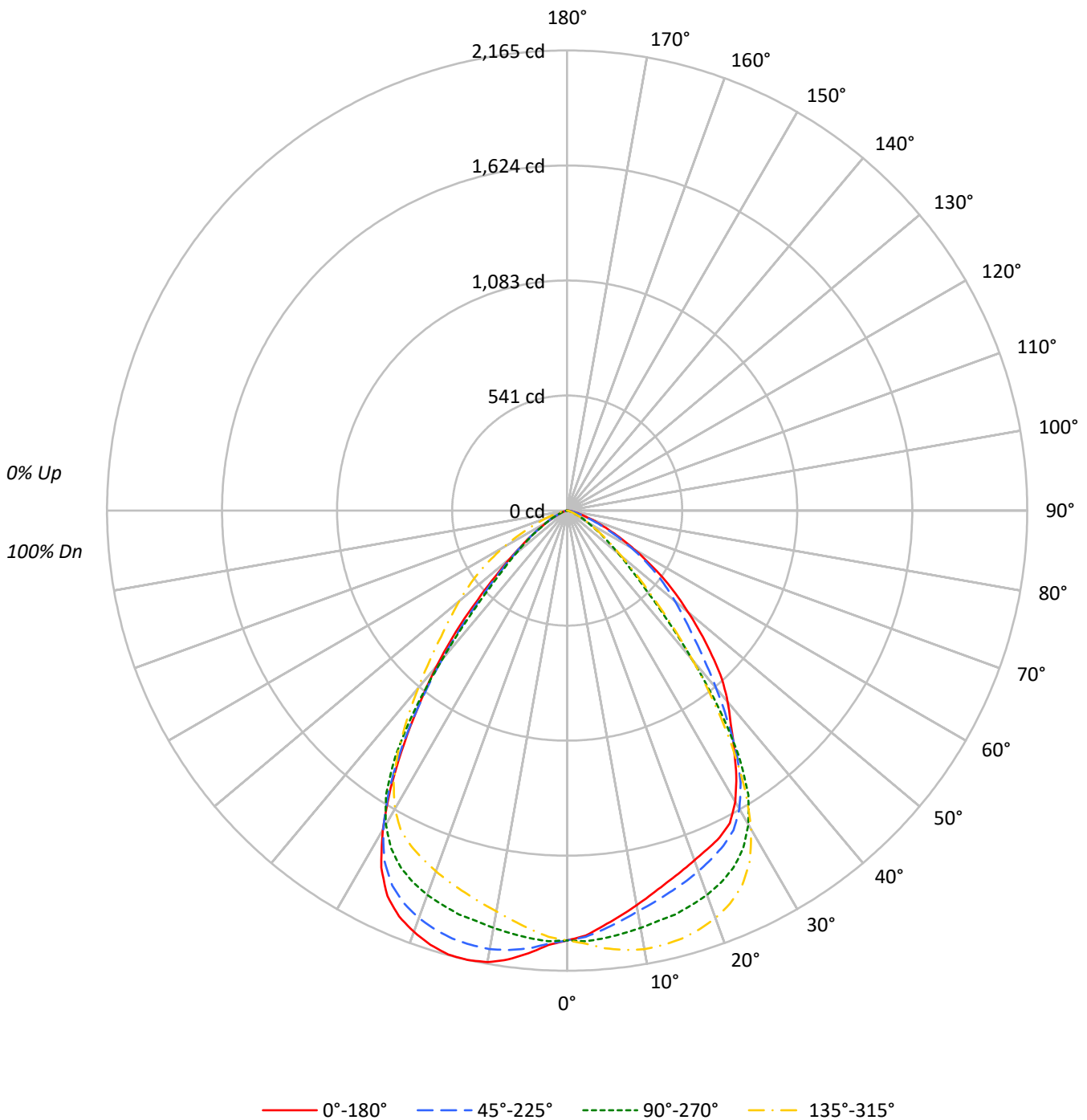
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P245914

CATALOG NUMBER: LD8B40D010 ER8B40850 8LBSW0B

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°	62351	62351	62351	62351
5°	60695	62499	64731	62499
10°	59017	62417	67549	62417
15°	57837	62788	69026	62788
20°	57443	63147	69204	63147
25°	57746	63019	68092	63019
30°	56319	60713	61803	60713
35°	51512	52962	50251	52962
40°	47294	36840	38471	36840
45°	42022	22476	26004	22476
50°	35572	15015	16671	15015
55°	29461	10247	10828	10247
60°	22467	6821	6883	6821
65°	15921	4247	3889	4247
70°	11486	2849	2588	2849
75°	7292	1418	1180	1418
80°	5097	1048	870	1048
85°	4529	0	354	0



TEST NUMBER: P245914

CATALOG NUMBER: LD8B40D010 ER8B40850 8LBSW0B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.5	5.7
10°-20°	557.3	16.4
20°-30°	843.9	24.8
30°-40°	845.8	24.8
40°-50°	531.1	15.6
50°-60°	283.0	8.3
60°-70°	116.4	3.4
70°-80°	30.8	0.9
80°-90°	5.2	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°	1593.7	46.8
0°-40°	2439.5	71.6
0°-60°	3253.7	95.5
0°-90°	3406.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3406.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2022	2022	2022	2022	2022	
5°	1961	2019	2091	2019	1961	185
15°	1812	1967	2162	1967	1812	512
25°	1697	1852	2001	1852	1697	778
35°	1368	1407	1335	1407	1368	857
45°	964	515	596	515	964	741
55°	548	191	201	191	548	489
65°	218	58	53	58	218	226
75°	61	12	10	12	61	69
85°	13	0	1	0	13	14
90°	0	0	0	0	0	



TEST NUMBER: P245914

CATALOG NUMBER: LD8B40D010 ER8B40850 8LBSW0B

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0
2.5°	2001.3	1999.3	1998.3	2000.3	2001.3	2005.3	2004.3	2006.2	2006.2	2007.2	2009.2
5°	1960.8	1959.8	1960.8	1960.8	1964.8	1968.7	1967.7	1970.7	1972.7	1977.6	1979.6
7.5°	1923.3	1923.3	1922.3	1926.2	1928.2	1934.2	1933.2	1938.1	1941.1	1946.0	1952.9
10°	1884.8	1884.8	1885.8	1888.7	1889.8	1898.6	1898.6	1905.5	1909.5	1914.4	1923.3
12.5°	1847.3	1847.3	1853.2	1851.2	1855.2	1862.1	1865.0	1872.0	1877.9	1887.8	1896.7
15°	1811.7	1811.7	1813.7	1818.6	1821.6	1830.5	1835.4	1843.3	1850.3	1860.1	1873.0
17.5°	1781.1	1780.2	1781.1	1787.1	1793.0	1800.9	1804.8	1814.7	1821.6	1834.4	1846.3
20°	1750.5	1752.5	1752.5	1757.4	1761.4	1771.3	1775.2	1786.1	1794.0	1805.8	1819.7
22.5°	1723.9	1722.9	1722.9	1729.8	1732.8	1741.6	1745.6	1755.4	1764.3	1774.2	1787.1
25°	1697.2	1695.2	1699.2	1700.2	1702.1	1712.0	1715.0	1721.9	1730.8	1739.7	1752.5
27.5°	1657.7	1655.8	1656.7	1660.7	1663.6	1671.5	1673.5	1680.4	1687.3	1695.2	1706.1
30°	1581.7	1579.7	1578.7	1585.7	1588.6	1594.5	1597.5	1609.3	1611.3	1620.2	1628.1
32.5°	1481.0	1480.0	1482.0	1487.9	1490.8	1498.8	1502.7	1509.6	1514.5	1519.5	1527.4
35°	1368.4	1366.4	1368.4	1374.4	1374.4	1381.3	1384.2	1387.2	1386.2	1387.2	1385.2
37.5°	1263.8	1262.8	1263.8	1266.7	1263.8	1266.7	1263.8	1257.9	1247.0	1235.1	1223.3
40°	1174.9	1175.9	1170.0	1173.9	1163.0	1161.1	1150.2	1135.4	1113.7	1090.0	1056.5
42.5°	1080.1	1077.2	1073.2	1075.2	1066.3	1059.4	1041.6	1022.9	995.2	955.7	915.2
45°	963.6	962.7	960.7	959.7	953.8	946.8	932.0	910.3	879.7	839.2	790.8
47.5°	850.1	847.1	847.1	848.1	841.2	840.2	828.3	809.6	783.0	743.4	693.1
50°	741.5	740.5	742.5	746.4	741.5	739.5	731.6	718.8	695.1	661.5	614.1
52.5°	643.7	642.7	644.7	649.7	647.7	649.7	641.8	631.9	616.1	583.5	542.0
55°	548.0	548.0	548.0	553.9	553.9	553.9	549.9	544.0	529.2	505.5	467.0
57.5°	448.2	449.2	455.2	456.1	455.2	457.1	456.1	450.2	440.4	423.6	394.0
60°	364.3	364.3	367.3	370.3	369.2	370.3	370.3	367.3	357.4	343.6	319.9
62.5°	288.3	291.3	289.3	291.3	295.2	291.3	289.3	287.3	280.4	271.5	251.8
65°	218.2	220.2	220.2	221.2	219.2	220.2	216.2	213.3	209.3	199.5	186.6
67.5°	165.9	165.9	165.9	165.9	164.9	163.9	162.9	160.0	153.0	149.1	135.2
70°	127.4	121.4	121.4	121.4	121.4	122.4	119.5	115.5	113.5	106.6	96.8
72.5°	84.9	86.9	84.9	84.9	82.9	83.9	80.0	78.0	76.0	72.1	66.2
75°	61.2	56.3	58.2	59.3	56.3	58.2	54.3	50.4	50.4	47.4	44.4
77.5°	39.5	38.5	39.5	40.5	39.5	38.5	36.5	34.5	34.5	33.6	30.6
80°	28.7	27.6	27.6	27.6	26.7	27.6	25.7	25.7	23.7	22.7	20.7
82.5°	18.8	18.8	17.8	18.8	17.8	18.8	15.8	15.8	15.8	14.8	12.8
85°	12.8	10.9	10.9	11.9	9.9	11.9	10.9	9.9	8.9	8.9	7.9
87.5°	5.9	6.9	5.9	6.9	5.9	5.9	6.9	5.9	5.9	3.9	3.9
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: P245914

CATALOG NUMBER: LD8B40D010 ER8B40850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0
2.5°	2012.2	2013.1	2013.1	2017.1	2019.1	2020.0	2020.0	2028.0	2025.0	2027.0	2028.9
5°	1983.5	1989.4	1991.4	1991.4	2002.3	2006.2	2010.2	2019.1	2020.0	2026.0	2032.9
7.5°	1955.9	1962.8	1966.8	1975.6	1982.5	1989.4	2001.3	2007.2	2013.1	2021.1	2029.9
10°	1929.2	1937.1	1945.0	1951.9	1962.8	1971.7	1979.6	1993.4	2000.3	2011.2	2023.0
12.5°	1903.6	1914.4	1921.3	1933.2	1945.0	1952.9	1964.8	1977.6	1988.5	1999.3	2013.1
15°	1880.9	1893.7	1901.6	1914.4	1927.3	1938.1	1951.0	1966.8	1974.6	1987.5	2000.3
17.5°	1856.1	1870.0	1879.9	1891.7	1907.5	1919.3	1930.2	1946.0	1955.9	1969.7	1984.5
20°	1830.5	1844.3	1856.1	1868.0	1883.8	1895.6	1908.5	1924.3	1935.1	1949.0	1960.8
22.5°	1799.9	1812.7	1825.5	1839.4	1855.2	1865.0	1879.9	1893.7	1905.5	1918.4	1930.2
25°	1760.4	1776.2	1786.1	1798.9	1811.7	1822.6	1838.4	1852.2	1862.1	1873.9	1884.8
27.5°	1714.0	1725.9	1733.7	1744.6	1757.4	1767.3	1779.1	1793.0	1802.9	1813.7	1821.6
30°	1635.0	1645.9	1652.8	1660.7	1673.5	1682.4	1692.3	1705.1	1712.0	1719.9	1726.8
32.5°	1531.3	1540.2	1544.2	1550.1	1559.0	1567.9	1575.8	1586.6	1589.6	1594.5	1594.5
35°	1381.3	1383.2	1382.3	1384.2	1388.2	1393.1	1400.0	1406.9	1410.9	1410.9	1407.9
37.5°	1205.5	1193.7	1180.8	1171.0	1168.0	1166.0	1170.0	1172.9	1176.9	1178.9	1173.9
40°	1022.9	996.2	967.6	941.9	924.1	916.2	913.3	915.2	915.2	922.1	922.1
42.5°	865.9	824.4	782.0	743.4	717.8	698.1	689.2	689.2	690.1	695.1	698.1
45°	735.6	683.2	633.8	591.4	555.9	530.2	518.4	515.4	514.4	516.4	523.3
47.5°	635.8	581.5	530.2	477.9	440.4	414.7	403.8	399.8	395.9	399.8	400.9
50°	557.9	501.6	447.3	394.9	355.4	332.7	318.9	313.0	312.0	312.0	314.0
52.5°	486.7	434.4	380.1	326.8	285.3	263.6	250.8	247.8	243.9	247.8	247.8
55°	419.6	367.3	314.0	263.6	229.0	206.4	194.5	190.6	188.6	191.5	191.5
57.5°	346.6	302.1	252.8	207.3	172.8	157.0	148.1	143.2	142.2	144.1	142.2
60°	284.4	246.8	204.4	162.9	136.3	119.5	112.6	110.6	108.6	110.6	110.6
62.5°	225.1	193.5	158.9	127.4	104.6	92.8	84.9	84.9	83.9	83.9	84.9
65°	166.9	142.2	117.5	90.8	73.1	64.2	58.2	58.2	57.3	58.2	57.3
67.5°	121.4	104.6	84.9	66.2	52.3	47.4	43.4	40.5	42.5	40.5	39.5
70°	88.9	75.0	61.2	50.4	40.5	35.6	32.6	31.6	29.6	29.6	29.6
72.5°	59.3	50.4	41.5	32.6	26.7	21.7	20.7	18.8	16.8	17.8	19.8
75°	39.5	33.6	29.6	23.7	17.8	17.8	11.9	11.9	9.9	11.9	8.9
77.5°	27.6	22.7	17.8	14.8	11.9	10.9	7.9	7.9	6.9	6.9	6.9
80°	19.8	16.8	12.8	10.9	7.9	7.9	6.9	5.9	4.9	4.9	5.9
82.5°	11.9	8.9	8.9	7.9	4.9	3.9	3.0	3.9	2.0	2.0	2.0
85°	6.9	5.9	4.9	3.0	2.0	2.0	1.0	0.0	1.0	1.0	0.0
87.5°	3.9	2.0	2.0	1.0	0.0	1.0	1.0	0.0	0.0	0.0	2.0
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: P245914

CATALOG NUMBER: LD8B40D010 ER8B40850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0
2.5°	2033.9	2032.9	2034.9	2034.9	2040.8	2039.8	2042.8	2042.8	2040.8	2041.8	2045.7
5°	2040.8	2043.8	2049.7	2054.6	2063.5	2067.5	2072.4	2077.3	2078.3	2081.3	2084.3
7.5°	2040.8	2050.7	2057.6	2066.5	2078.3	2085.2	2096.1	2105.0	2108.9	2113.8	2119.8
10°	2036.8	2046.7	2059.5	2069.4	2084.3	2095.1	2106.0	2119.8	2125.7	2133.6	2141.5
12.5°	2028.9	2039.8	2053.6	2066.5	2083.2	2093.1	2106.9	2119.8	2128.7	2139.5	2148.4
15°	2017.1	2029.9	2042.8	2055.6	2073.4	2085.2	2098.1	2112.9	2121.8	2133.6	2141.5
17.5°	1998.3	2012.2	2024.0	2035.9	2052.6	2066.5	2078.3	2092.1	2101.0	2110.9	2121.8
20°	1975.6	1988.5	2001.3	2011.2	2028.0	2039.8	2052.6	2065.5	2072.4	2074.4	2091.2
22.5°	1947.0	1955.9	1965.7	1981.6	1991.4	2002.3	2014.2	2026.0	2032.9	2043.8	2049.7
25°	1899.6	1908.5	1919.3	1926.2	1938.1	1947.0	1958.8	1971.7	1975.6	1983.5	1989.4
27.5°	1833.5	1838.4	1843.3	1849.2	1856.1	1861.1	1868.0	1873.9	1877.9	1881.8	1885.8
30°	1728.8	1728.8	1728.8	1724.8	1727.8	1730.8	1731.7	1730.8	1730.8	1729.8	1729.8
32.5°	1590.6	1582.7	1573.8	1565.9	1562.9	1559.0	1557.0	1554.0	1549.1	1546.2	1547.1
35°	1404.0	1386.2	1375.3	1365.5	1357.6	1351.7	1348.7	1345.7	1344.7	1340.8	1336.8
37.5°	1171.0	1158.1	1150.2	1144.3	1137.4	1131.5	1132.4	1133.5	1136.4	1134.4	1135.4
40°	924.1	921.2	924.1	917.2	915.2	917.2	922.1	929.1	933.0	937.0	943.9
42.5°	703.0	707.9	714.8	714.8	717.8	721.7	727.6	738.5	744.4	751.3	759.3
45°	529.2	535.1	544.0	547.0	549.0	553.9	560.8	569.7	573.6	579.6	586.5
47.5°	407.8	411.7	416.6	421.6	426.5	428.5	435.4	435.4	440.4	444.3	446.3
50°	317.9	321.9	325.8	328.8	330.8	333.7	335.7	338.6	339.6	341.6	342.6
52.5°	248.8	253.7	253.7	255.7	258.7	261.6	260.7	261.6	262.6	262.6	265.6
55°	194.5	194.5	197.5	197.5	199.5	198.4	199.5	199.5	199.5	199.5	200.4
57.5°	145.1	146.1	149.1	147.1	146.1	148.1	146.1	148.1	147.1	149.1	146.1
60°	111.6	111.6	112.6	112.6	113.5	113.5	113.5	112.6	112.6	111.6	111.6
62.5°	83.9	84.9	85.9	84.9	84.9	84.9	83.9	83.9	82.9	81.9	81.9
65°	56.3	55.3	57.3	55.3	56.3	56.3	55.3	56.3	53.3	54.3	53.3
67.5°	40.5	39.5	38.5	39.5	38.5	37.5	37.5	38.5	39.5	36.5	36.5
70°	26.7	27.6	26.7	27.6	28.7	28.7	27.6	26.7	27.6	25.7	26.7
72.5°	16.8	16.8	16.8	16.8	16.8	17.8	17.8	17.8	15.8	15.8	14.8
75°	7.9	10.9	8.9	7.9	10.9	10.9	9.9	9.9	8.9	8.9	8.9
77.5°	7.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	4.9	5.9	4.9
80°	3.9	3.9	3.9	3.0	3.9	3.9	4.9	3.9	3.9	3.0	4.9
82.5°	2.0	2.0	2.0	0.0	1.0	2.0	2.0	1.0	2.0	2.0	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



TEST NUMBER: P245914

CATALOG NUMBER: LD8B40D010 ER8B40850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0
2.5°	2044.8	2043.8	2044.8	2045.7	2044.8	2043.8	2044.8	2045.7	2041.8	2040.8	2042.8
5°	2088.2	2088.2	2090.1	2091.2	2090.1	2088.2	2088.2	2084.3	2081.3	2078.3	2077.3
7.5°	2125.7	2127.7	2129.6	2130.6	2129.6	2127.7	2125.7	2119.8	2113.8	2108.9	2105.0
10°	2148.4	2151.4	2155.3	2157.3	2155.3	2151.4	2148.4	2141.5	2133.6	2125.7	2119.8
12.5°	2158.3	2161.3	2166.2	2165.2	2166.2	2161.3	2158.3	2148.4	2139.5	2128.7	2119.8
15°	2151.4	2155.3	2160.2	2162.2	2160.2	2155.3	2151.4	2141.5	2133.6	2121.8	2112.9
17.5°	2129.6	2135.6	2138.5	2141.5	2138.5	2135.6	2129.6	2121.8	2110.9	2101.0	2092.1
20°	2100.0	2104.0	2107.9	2108.9	2107.9	2104.0	2100.0	2091.2	2074.4	2072.4	2065.5
22.5°	2057.6	2060.6	2069.4	2066.5	2069.4	2060.6	2057.6	2049.7	2043.8	2032.9	2026.0
25°	1996.4	1999.3	2000.3	2001.3	2000.3	1999.3	1996.4	1989.4	1983.5	1975.6	1971.7
27.5°	1890.7	1890.7	1892.7	1893.7	1892.7	1890.7	1890.7	1885.8	1881.8	1877.9	1873.9
30°	1730.8	1730.8	1730.8	1735.7	1730.8	1730.8	1730.8	1729.8	1729.8	1730.8	1730.8
32.5°	1546.2	1544.2	1542.2	1544.2	1542.2	1544.2	1546.2	1547.1	1546.2	1549.1	1554.0
35°	1336.8	1335.8	1338.8	1334.9	1338.8	1335.8	1336.8	1336.8	1340.8	1344.7	1345.7
37.5°	1136.4	1134.4	1138.4	1134.4	1138.4	1134.4	1136.4	1135.4	1134.4	1136.4	1133.5
40°	945.9	947.8	947.8	955.7	947.8	947.8	945.9	943.9	937.0	933.0	929.1
42.5°	763.2	769.1	767.1	773.1	767.1	769.1	763.2	759.3	751.3	744.4	738.5
45°	590.4	594.4	594.4	596.3	594.4	594.4	590.4	586.5	579.6	573.6	569.7
47.5°	453.2	453.2	453.2	454.2	453.2	453.2	453.2	446.3	444.3	440.4	435.4
50°	344.6	345.6	346.6	347.5	346.6	345.6	344.6	342.6	341.6	339.6	338.6
52.5°	264.6	265.6	263.6	265.6	263.6	265.6	264.6	265.6	262.6	262.6	261.6
55°	200.4	199.5	200.4	201.4	200.4	199.5	200.4	200.4	199.5	199.5	199.5
57.5°	147.1	145.1	145.1	145.1	145.1	145.1	147.1	146.1	149.1	147.1	148.1
60°	109.6	110.6	110.6	111.6	110.6	110.6	109.6	111.6	111.6	112.6	112.6
62.5°	81.0	83.9	81.9	83.9	81.9	83.9	81.0	81.9	81.9	82.9	83.9
65°	52.3	52.3	52.3	53.3	52.3	52.3	52.3	53.3	54.3	53.3	56.3
67.5°	35.6	36.5	38.5	37.5	38.5	36.5	35.6	36.5	36.5	39.5	38.5
70°	28.7	25.7	25.7	28.7	25.7	25.7	28.7	26.7	25.7	27.6	26.7
72.5°	16.8	14.8	16.8	16.8	16.8	14.8	16.8	14.8	15.8	15.8	17.8
75°	8.9	7.9	6.9	9.9	6.9	7.9	8.9	8.9	8.9	8.9	9.9
77.5°	5.9	4.9	6.9	6.9	6.9	4.9	5.9	4.9	5.9	4.9	5.9
80°	3.0	3.9	3.0	4.9	3.0	3.9	3.0	4.9	3.0	3.9	3.9
82.5°	1.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	2.0	2.0	1.0
85°	0.0	2.0	1.0	1.0	1.0	2.0	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: P245914

CATALOG NUMBER: LD8B40D010 ER8B40850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0
2.5°	2042.8	2039.8	2040.8	2034.9	2034.9	2032.9	2033.9	2028.9	2027.0	2025.0	2028.0
5°	2072.4	2067.5	2063.5	2054.6	2049.7	2043.8	2040.8	2032.9	2026.0	2020.0	2019.1
7.5°	2096.1	2085.2	2078.3	2066.5	2057.6	2050.7	2040.8	2029.9	2021.1	2013.1	2007.2
10°	2106.0	2095.1	2084.3	2069.4	2059.5	2046.7	2036.8	2023.0	2011.2	2000.3	1993.4
12.5°	2106.9	2093.1	2083.2	2066.5	2053.6	2039.8	2028.9	2013.1	1999.3	1988.5	1977.6
15°	2098.1	2085.2	2073.4	2055.6	2042.8	2029.9	2017.1	2000.3	1987.5	1974.6	1966.8
17.5°	2078.3	2066.5	2052.6	2035.9	2024.0	2012.2	1998.3	1984.5	1969.7	1955.9	1946.0
20°	2052.6	2039.8	2028.0	2011.2	2001.3	1988.5	1975.6	1960.8	1949.0	1935.1	1924.3
22.5°	2014.2	2002.3	1991.4	1981.6	1965.7	1955.9	1947.0	1930.2	1918.4	1905.5	1893.7
25°	1958.8	1947.0	1938.1	1926.2	1919.3	1908.5	1899.6	1884.8	1873.9	1862.1	1852.2
27.5°	1868.0	1861.1	1856.1	1849.2	1843.3	1838.4	1833.5	1821.6	1813.7	1802.9	1793.0
30°	1731.7	1730.8	1727.8	1724.8	1728.8	1728.8	1728.8	1726.8	1719.9	1712.0	1705.1
32.5°	1557.0	1559.0	1562.9	1565.9	1573.8	1582.7	1590.6	1594.5	1594.5	1589.6	1586.6
35°	1348.7	1351.7	1357.6	1365.5	1375.3	1386.2	1404.0	1407.9	1410.9	1410.9	1406.9
37.5°	1132.4	1131.5	1137.4	1144.3	1150.2	1158.1	1171.0	1173.9	1178.9	1176.9	1172.9
40°	922.1	917.2	915.2	917.2	924.1	921.2	924.1	922.1	922.1	915.2	915.2
42.5°	727.6	721.7	717.8	714.8	714.8	707.9	703.0	698.1	695.1	690.1	689.2
45°	560.8	553.9	549.0	547.0	544.0	535.1	529.2	523.3	516.4	514.4	515.4
47.5°	435.4	428.5	426.5	421.6	416.6	411.7	407.8	400.9	399.8	395.9	399.8
50°	335.7	333.7	330.8	328.8	325.8	321.9	317.9	314.0	312.0	312.0	313.0
52.5°	260.7	261.6	258.7	255.7	253.7	253.7	248.8	247.8	247.8	243.9	247.8
55°	199.5	198.4	199.5	197.5	197.5	194.5	194.5	191.5	191.5	188.6	190.6
57.5°	146.1	148.1	146.1	147.1	149.1	146.1	145.1	142.2	144.1	142.2	143.2
60°	113.5	113.5	113.5	112.6	112.6	111.6	111.6	110.6	110.6	108.6	110.6
62.5°	83.9	84.9	84.9	84.9	85.9	84.9	83.9	84.9	83.9	83.9	84.9
65°	55.3	56.3	56.3	55.3	57.3	55.3	56.3	57.3	58.2	57.3	58.2
67.5°	37.5	37.5	38.5	39.5	38.5	39.5	40.5	39.5	40.5	42.5	40.5
70°	27.6	28.7	28.7	27.6	26.7	27.6	26.7	29.6	29.6	29.6	31.6
72.5°	17.8	17.8	16.8	16.8	16.8	16.8	16.8	19.8	17.8	16.8	18.8
75°	9.9	10.9	10.9	7.9	8.9	10.9	7.9	8.9	11.9	9.9	11.9
77.5°	5.9	5.9	5.9	5.9	5.9	5.9	7.9	6.9	6.9	6.9	7.9
80°	4.9	3.9	3.9	3.0	3.9	3.9	3.9	5.9	4.9	4.9	5.9
82.5°	2.0	2.0	1.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9
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	2.0	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: P245914

CATALOG NUMBER: LD8B40D010 ER8B40850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0
2.5°	2020.0	2020.0	2019.1	2017.1	2013.1	2013.1	2012.2	2009.2	2007.2	2006.2	2006.2
5°	2010.2	2006.2	2002.3	1991.4	1991.4	1989.4	1983.5	1979.6	1977.6	1972.7	1970.7
7.5°	2001.3	1989.4	1982.5	1975.6	1966.8	1962.8	1955.9	1952.9	1946.0	1941.1	1938.1
10°	1979.6	1971.7	1962.8	1951.9	1945.0	1937.1	1929.2	1923.3	1914.4	1909.5	1905.5
12.5°	1964.8	1952.9	1945.0	1933.2	1921.3	1914.4	1903.6	1896.7	1887.8	1877.9	1872.0
15°	1951.0	1938.1	1927.3	1914.4	1901.6	1893.7	1880.9	1873.0	1860.1	1850.3	1843.3
17.5°	1930.2	1919.3	1907.5	1891.7	1879.9	1870.0	1856.1	1846.3	1834.4	1821.6	1814.7
20°	1908.5	1895.6	1883.8	1868.0	1856.1	1844.3	1830.5	1819.7	1805.8	1794.0	1786.1
22.5°	1879.9	1865.0	1855.2	1839.4	1825.5	1812.7	1799.9	1787.1	1774.2	1764.3	1755.4
25°	1838.4	1822.6	1811.7	1798.9	1786.1	1776.2	1760.4	1752.5	1739.7	1730.8	1721.9
27.5°	1779.1	1767.3	1757.4	1744.6	1733.7	1725.9	1714.0	1706.1	1695.2	1687.3	1680.4
30°	1692.3	1682.4	1673.5	1660.7	1652.8	1645.9	1635.0	1628.1	1620.2	1611.3	1609.3
32.5°	1575.8	1567.9	1559.0	1550.1	1544.2	1540.2	1531.3	1527.4	1519.5	1514.5	1509.6
35°	1400.0	1393.1	1388.2	1384.2	1382.3	1383.2	1381.3	1385.2	1387.2	1386.2	1387.2
37.5°	1170.0	1166.0	1168.0	1171.0	1180.8	1193.7	1205.5	1223.3	1235.1	1247.0	1257.9
40°	913.3	916.2	924.1	941.9	967.6	996.2	1022.9	1056.5	1090.0	1113.7	1135.4
42.5°	689.2	698.1	717.8	743.4	782.0	824.4	865.9	915.2	955.7	995.2	1022.9
45°	518.4	530.2	555.9	591.4	633.8	683.2	735.6	790.8	839.2	879.7	910.3
47.5°	403.8	414.7	440.4	477.9	530.2	581.5	635.8	693.1	743.4	783.0	809.6
50°	318.9	332.7	355.4	394.9	447.3	501.6	557.9	614.1	661.5	695.1	718.8
52.5°	250.8	263.6	285.3	326.8	380.1	434.4	486.7	542.0	583.5	616.1	631.9
55°	194.5	206.4	229.0	263.6	314.0	367.3	419.6	467.0	505.5	529.2	544.0
57.5°	148.1	157.0	172.8	207.3	252.8	302.1	346.6	394.0	423.6	440.4	450.2
60°	112.6	119.5	136.3	162.9	204.4	246.8	284.4	319.9	343.6	357.4	367.3
62.5°	84.9	92.8	104.6	127.4	158.9	193.5	225.1	251.8	271.5	280.4	287.3
65°	58.2	64.2	73.1	90.8	117.5	142.2	166.9	186.6	199.5	209.3	213.3
67.5°	43.4	47.4	52.3	66.2	84.9	104.6	121.4	135.2	149.1	153.0	160.0
70°	32.6	35.6	40.5	50.4	61.2	75.0	88.9	96.8	106.6	113.5	115.5
72.5°	20.7	21.7	26.7	32.6	41.5	50.4	59.3	66.2	72.1	76.0	78.0
75°	11.9	17.8	17.8	23.7	29.6	33.6	39.5	44.4	47.4	50.4	50.4
77.5°	7.9	10.9	11.9	14.8	17.8	22.7	27.6	30.6	33.6	34.5	34.5
80°	6.9	7.9	7.9	10.9	12.8	16.8	19.8	20.7	22.7	23.7	25.7
82.5°	3.0	3.9	4.9	7.9	8.9	8.9	11.9	12.8	14.8	15.8	15.8
85°	1.0	2.0	2.0	3.0	4.9	5.9	6.9	7.9	8.9	8.9	9.9
87.5°	1.0	1.0	0.0	1.0	2.0	2.0	3.9	3.9	3.9	5.9	5.9
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: P245914

CATALOG NUMBER: LD8B40D010 ER8B40850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0	2022.0
2.5°	2004.3	2005.3	2001.3	2000.3	1998.3	1999.3	2001.3
5°	1967.7	1968.7	1964.8	1960.8	1960.8	1959.8	1960.8
7.5°	1933.2	1934.2	1928.2	1926.2	1922.3	1923.3	1923.3
10°	1898.6	1898.6	1889.8	1888.7	1885.8	1884.8	1884.8
12.5°	1865.0	1862.1	1855.2	1851.2	1853.2	1847.3	1847.3
15°	1835.4	1830.5	1821.6	1818.6	1813.7	1811.7	1811.7
17.5°	1804.8	1800.9	1793.0	1787.1	1781.1	1780.2	1781.1
20°	1775.2	1771.3	1761.4	1757.4	1752.5	1752.5	1750.5
22.5°	1745.6	1741.6	1732.8	1729.8	1722.9	1722.9	1723.9
25°	1715.0	1712.0	1702.1	1700.2	1699.2	1695.2	1697.2
27.5°	1673.5	1671.5	1663.6	1660.7	1656.7	1655.8	1657.7
30°	1597.5	1594.5	1588.6	1585.7	1578.7	1579.7	1581.7
32.5°	1502.7	1498.8	1490.8	1487.9	1482.0	1480.0	1481.0
35°	1384.2	1381.3	1374.4	1374.4	1368.4	1366.4	1368.4
37.5°	1263.8	1266.7	1263.8	1266.7	1263.8	1262.8	1263.8
40°	1150.2	1161.1	1163.0	1173.9	1170.0	1175.9	1174.9
42.5°	1041.6	1059.4	1066.3	1075.2	1073.2	1077.2	1080.1
45°	932.0	946.8	953.8	959.7	960.7	962.7	963.6
47.5°	828.3	840.2	841.2	848.1	847.1	847.1	850.1
50°	731.6	739.5	741.5	746.4	742.5	740.5	741.5
52.5°	641.8	649.7	647.7	649.7	644.7	642.7	643.7
55°	549.9	553.9	553.9	553.9	548.0	548.0	548.0
57.5°	456.1	457.1	455.2	456.1	455.2	449.2	448.2
60°	370.3	370.3	369.2	370.3	367.3	364.3	364.3
62.5°	289.3	291.3	295.2	291.3	289.3	291.3	288.3
65°	216.2	220.2	219.2	221.2	220.2	220.2	218.2
67.5°	162.9	163.9	164.9	165.9	165.9	165.9	165.9
70°	119.5	122.4	121.4	121.4	121.4	121.4	127.4
72.5°	80.0	83.9	82.9	84.9	84.9	86.9	84.9
75°	54.3	58.2	56.3	59.3	58.2	56.3	61.2
77.5°	36.5	38.5	39.5	40.5	39.5	38.5	39.5
80°	25.7	27.6	26.7	27.6	27.6	27.6	28.7
82.5°	15.8	18.8	17.8	18.8	17.8	18.8	18.8
85°	10.9	11.9	9.9	11.9	10.9	10.9	12.8
87.5°	6.9	5.9	5.9	6.9	5.9	6.9	5.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)