

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: P245879

Luminaire Tested: **LD8B50D010 ER8B509727 8LBSW0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245879  
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: LD8B50D010 ER8B509727 8LBSW0GPH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 2700 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3548.0 lumens  
Efficiency: N/A  
Efficacy: 66.9 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

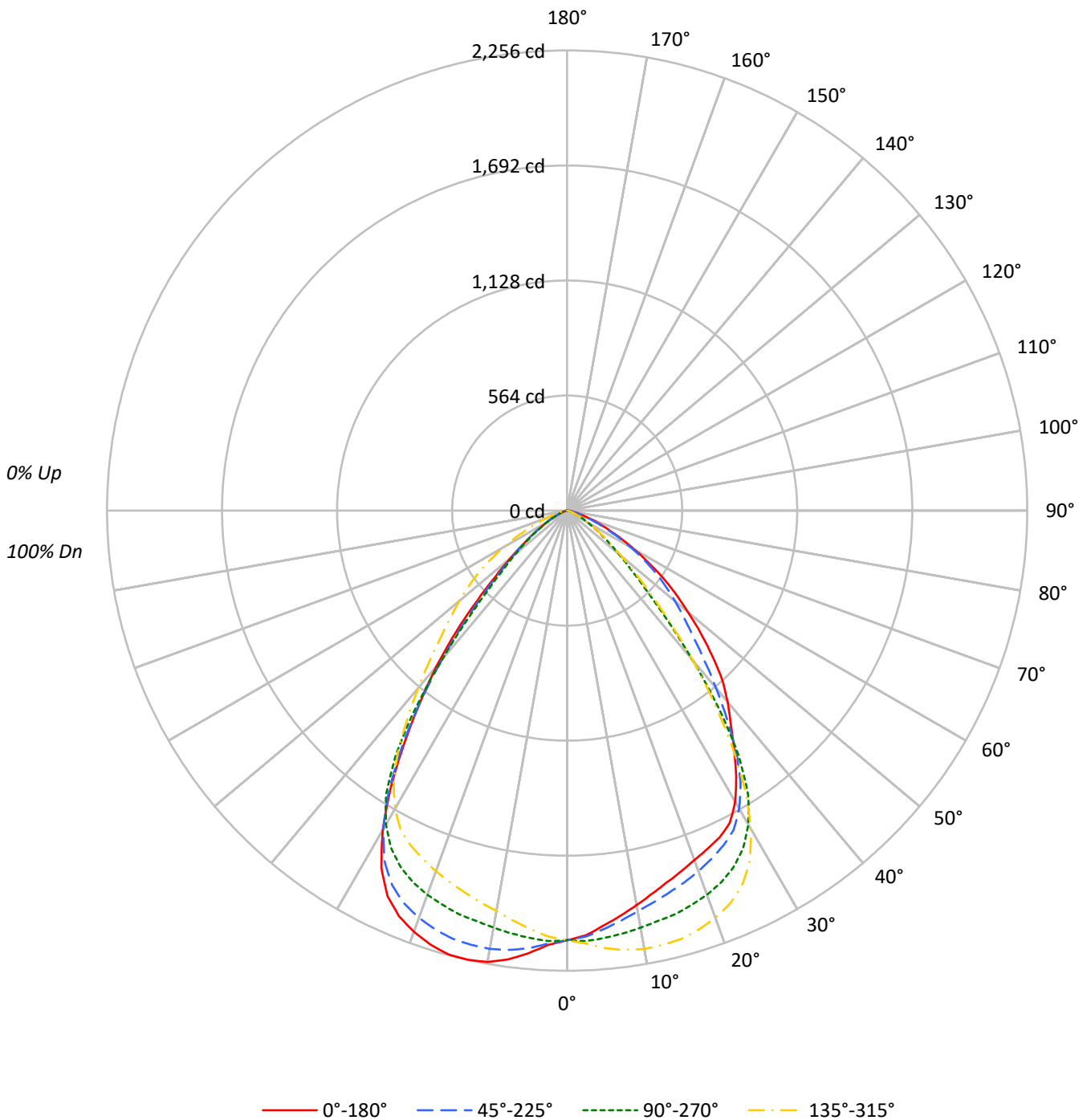
Input Watts (W): 53  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100			
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90	90	90	90			
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81	81	81	81			
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72	72	72	72			
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65	65	65	65			
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58	58	58	58			
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53	53	53	53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48	48	48	48			
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44	44	44	44			
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40	40	40	40			
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37	37	37	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°	200.5	5.7
10°-20°	580.6	16.4
20°-30°	879.1	24.8
30°-40°	881.1	24.8
40°-50°	553.3	15.6
50°-60°	294.8	8.3
60°-70°	121.2	3.4
70°-80°	32.0	0.9
80°-90°	5.4	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°	1660.1	46.8
0°-40°	2541.2	71.6
0°-60°	3389.3	95.5
0°-90°	3548.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3548.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2106	2106	2106	2106	2106	
5°	2043	2103	2178	2103	2043	193
15°	1887	2049	2252	2049	1887	534
25°	1768	1929	2085	1929	1768	811
35°	1426	1466	1390	1466	1426	893
45°	1004	537	621	537	1004	772
55°	571	198	210	198	571	509
65°	227	61	56	61	227	236
75°	64	12	10	12	64	72
85°	13	0	1	0	13	15
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°	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3
2.5°	2084.7	2082.7	2081.7	2083.7	2084.7	2088.9	2087.8	2089.9	2089.9	2090.9	2093.0
5°	2042.6	2041.5	2042.6	2042.6	2046.7	2050.8	2049.8	2052.9	2054.9	2060.1	2062.1
7.5°	2003.5	2003.5	2002.4	2006.6	2008.6	2014.8	2013.8	2018.9	2022.0	2027.1	2034.3
10°	1963.4	1963.4	1964.4	1967.5	1968.5	1977.8	1977.8	1985.0	1989.1	1994.2	2003.5
12.5°	1924.3	1924.3	1930.5	1928.4	1932.5	1939.7	1942.8	1950.0	1956.2	1966.5	1975.7
15°	1887.3	1887.3	1889.3	1894.5	1897.5	1906.8	1911.9	1920.2	1927.4	1937.7	1951.1
17.5°	1855.4	1854.4	1855.4	1861.6	1867.7	1876.0	1880.1	1890.4	1897.5	1910.9	1923.3
20°	1823.5	1825.6	1825.6	1830.7	1834.8	1845.1	1849.2	1860.5	1868.8	1881.1	1895.5
22.5°	1795.7	1794.7	1794.7	1801.9	1805.0	1814.2	1818.3	1828.6	1837.9	1848.2	1861.6
25°	1768.0	1765.9	1770.0	1771.1	1773.1	1783.4	1786.5	1793.7	1802.9	1812.2	1825.6
27.5°	1726.8	1724.8	1725.8	1729.9	1733.0	1741.2	1743.3	1750.5	1757.7	1765.9	1777.2
30°	1647.6	1645.6	1644.6	1651.8	1654.9	1661.0	1664.1	1676.4	1678.5	1687.7	1696.0
32.5°	1542.7	1541.7	1543.8	1549.9	1553.0	1561.3	1565.4	1572.6	1577.7	1582.8	1591.1
35°	1425.5	1423.4	1425.5	1431.7	1431.7	1438.9	1442.0	1445.0	1444.0	1445.0	1443.0
37.5°	1316.5	1315.4	1316.5	1319.5	1316.5	1319.5	1316.5	1310.3	1299.0	1286.6	1274.3
40°	1223.9	1224.9	1218.8	1222.9	1211.5	1209.5	1198.2	1182.7	1160.1	1135.5	1100.5
42.5°	1125.2	1122.1	1118.0	1120.0	1110.8	1103.5	1085.0	1065.5	1036.7	995.6	953.4
45°	1003.8	1002.8	1000.7	999.7	993.5	986.3	970.9	948.3	916.4	874.2	823.8
47.5°	885.5	882.4	882.4	883.5	876.3	875.2	862.9	843.4	815.6	774.4	722.0
50°	772.4	771.4	773.4	777.5	772.4	770.3	762.1	748.7	724.1	689.1	639.7
52.5°	670.6	669.5	671.6	676.7	674.7	676.7	668.5	658.2	641.8	607.8	564.6
55°	570.8	570.8	570.8	577.0	577.0	577.0	572.9	566.7	551.3	526.6	486.5
57.5°	466.9	468.0	474.1	475.1	474.1	476.2	475.1	469.0	458.7	441.2	410.4
60°	379.5	379.5	382.6	385.7	384.6	385.7	385.7	382.6	372.3	357.9	333.2
62.5°	300.3	303.4	301.3	303.4	307.5	303.4	301.3	299.3	292.1	282.8	262.3
65°	227.3	229.4	229.4	230.4	228.3	229.4	225.3	222.2	218.1	207.8	194.4
67.5°	172.8	172.8	172.8	172.8	171.7	170.7	169.7	166.6	159.4	155.3	140.9
70°	132.7	126.5	126.5	126.5	126.5	127.6	124.5	120.4	118.3	111.1	100.8
72.5°	88.4	90.5	88.4	88.4	86.4	87.4	83.3	81.2	79.2	75.1	68.9
75°	63.8	58.6	60.7	61.7	58.6	60.7	56.6	52.5	52.5	49.4	46.3
77.5°	41.1	40.1	41.1	42.2	41.1	40.1	38.1	36.0	36.0	35.0	31.9
80°	29.8	28.8	28.8	28.8	27.8	28.8	26.8	26.8	24.7	23.7	21.6
82.5°	19.6	19.6	18.5	19.6	18.5	19.6	16.5	16.5	16.5	15.4	13.4
85°	13.4	11.3	11.3	12.4	10.3	12.4	11.3	10.3	9.3	9.3	8.2
87.5°	6.2	7.2	6.2	7.2	6.2	6.2	7.2	6.2	6.2	4.1	4.1
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°	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3
2.5°	2096.0	2097.1	2097.1	2101.2	2103.2	2104.3	2104.3	2112.5	2109.4	2111.5	2113.5
5°	2066.2	2072.4	2074.5	2074.5	2085.8	2089.9	2094.0	2103.2	2104.3	2110.4	2117.6
7.5°	2037.4	2044.6	2048.8	2058.0	2065.2	2072.4	2084.7	2090.9	2097.1	2105.3	2114.5
10°	2009.6	2017.9	2026.1	2033.3	2044.6	2053.9	2062.1	2076.5	2083.7	2095.0	2107.4
12.5°	1982.9	1994.2	2001.4	2013.8	2026.1	2034.3	2046.7	2060.1	2071.4	2082.7	2097.1
15°	1959.3	1972.6	1980.9	1994.2	2007.6	2018.9	2032.3	2048.8	2057.0	2070.4	2083.7
17.5°	1933.5	1948.0	1958.3	1970.6	1987.0	1999.4	2010.7	2027.1	2037.4	2051.8	2067.3
20°	1906.8	1921.2	1933.5	1945.9	1962.4	1974.7	1988.1	2004.5	2015.8	2030.2	2042.6
22.5°	1874.9	1888.3	1901.7	1916.0	1932.5	1942.8	1958.3	1972.6	1985.0	1998.3	2010.7
25°	1833.8	1850.3	1860.5	1873.9	1887.3	1898.6	1915.0	1929.4	1939.7	1952.1	1963.4
27.5°	1785.4	1797.8	1806.0	1817.3	1830.7	1841.0	1853.3	1867.7	1878.0	1889.3	1897.5
30°	1703.2	1714.5	1721.7	1729.9	1743.3	1752.6	1762.8	1776.2	1783.4	1791.6	1798.8
32.5°	1595.2	1604.4	1608.5	1614.7	1624.0	1633.2	1641.5	1652.8	1655.9	1661.0	1661.0
35°	1438.9	1440.9	1439.9	1442.0	1446.1	1451.2	1458.4	1465.6	1469.7	1469.7	1466.6
37.5°	1255.8	1243.5	1230.1	1219.8	1216.7	1214.6	1218.8	1221.8	1226.0	1228.0	1222.9
40°	1065.5	1037.8	1007.9	981.2	962.7	954.4	951.4	953.4	953.4	960.6	960.6
42.5°	902.0	858.8	814.6	774.4	747.7	727.2	717.9	717.9	718.9	724.1	727.2
45°	766.2	711.7	660.3	616.1	579.0	552.3	540.0	536.9	535.9	537.9	545.1
47.5°	662.3	605.8	552.3	497.8	458.7	432.0	420.7	416.5	412.4	416.5	417.6
50°	581.1	522.5	465.9	411.4	370.2	346.6	332.2	326.0	325.0	325.0	327.1
52.5°	507.0	452.5	396.0	340.4	297.2	274.6	261.2	258.1	254.0	258.1	258.1
55°	437.1	382.6	327.1	274.6	238.6	215.0	202.6	198.5	196.4	199.5	199.5
57.5°	361.0	314.7	263.3	216.0	180.0	163.5	154.3	149.1	148.1	150.2	148.1
60°	296.2	257.1	212.9	169.7	141.9	124.5	117.3	115.2	113.1	115.2	115.2
62.5°	234.5	201.6	165.6	132.7	109.0	96.7	88.4	88.4	87.4	87.4	88.4
65°	173.8	148.1	122.4	94.6	76.1	66.8	60.7	60.7	59.6	60.7	59.6
67.5°	126.5	109.0	88.4	68.9	54.5	49.4	45.3	42.2	44.2	42.2	41.1
70°	92.6	78.1	63.8	52.5	42.2	37.0	34.0	32.9	30.9	30.9	30.9
72.5°	61.7	52.5	43.2	34.0	27.8	22.6	21.6	19.6	17.5	18.5	20.6
75°	41.1	35.0	30.9	24.7	18.5	18.5	12.4	12.4	10.3	12.4	9.3
77.5°	28.8	23.7	18.5	15.4	12.4	11.3	8.2	8.2	7.2	7.2	7.2
80°	20.6	17.5	13.4	11.3	8.2	8.2	7.2	6.2	5.1	5.1	6.2
82.5°	12.4	9.3	9.3	8.2	5.1	4.1	3.1	4.1	2.1	2.1	2.1
85°	7.2	6.2	5.1	3.1	2.1	2.1	1.0	0.0	1.0	1.0	0.0
87.5°	4.1	2.1	2.1	1.0	0.0	1.0	1.0	0.0	0.0	0.0	2.1
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°	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3
2.5°	2118.7	2117.6	2119.7	2119.7	2125.9	2124.8	2127.9	2127.9	2125.9	2126.9	2131.0
5°	2125.9	2129.0	2135.1	2140.3	2149.5	2153.7	2158.8	2164.0	2165.0	2168.1	2171.1
7.5°	2125.9	2136.2	2143.4	2152.6	2165.0	2172.2	2183.5	2192.7	2196.8	2202.0	2208.1
10°	2121.7	2132.0	2145.4	2155.7	2171.1	2182.5	2193.8	2208.1	2214.3	2222.5	2230.8
12.5°	2113.5	2124.8	2139.2	2152.6	2170.1	2180.4	2194.8	2208.1	2217.4	2228.7	2238.0
15°	2101.2	2114.5	2127.9	2141.3	2159.8	2172.2	2185.5	2201.0	2210.2	2222.5	2230.8
17.5°	2081.7	2096.0	2108.4	2120.7	2138.2	2152.6	2165.0	2179.4	2188.6	2198.9	2210.2
20°	2058.0	2071.4	2084.7	2095.0	2112.5	2124.8	2138.2	2151.6	2158.8	2160.9	2178.3
22.5°	2028.2	2037.4	2047.7	2064.2	2074.5	2085.8	2098.1	2110.4	2117.6	2129.0	2135.1
25°	1978.8	1988.1	1999.4	2006.6	2018.9	2028.2	2040.5	2053.9	2058.0	2066.2	2072.4
27.5°	1909.9	1915.0	1920.2	1926.3	1933.5	1938.7	1945.9	1952.1	1956.2	1960.3	1964.4
30°	1800.9	1800.9	1800.9	1796.8	1799.8	1802.9	1803.9	1802.9	1802.9	1801.9	1801.9
32.5°	1656.9	1648.7	1639.4	1631.2	1628.1	1624.0	1621.9	1618.8	1613.7	1610.6	1611.6
35°	1462.5	1444.0	1432.7	1422.4	1414.2	1408.0	1404.9	1401.8	1400.8	1396.7	1392.6
37.5°	1219.8	1206.4	1198.2	1192.0	1184.8	1178.6	1179.7	1180.7	1183.8	1181.7	1182.7
40°	962.7	959.6	962.7	955.5	953.4	955.5	960.6	967.8	971.9	976.0	983.2
42.5°	732.3	737.4	744.6	744.6	747.7	751.8	758.0	769.3	775.5	782.7	790.9
45°	551.3	557.4	566.7	569.8	571.8	577.0	584.2	593.4	597.5	603.7	610.9
47.5°	424.8	428.9	434.0	439.2	444.3	446.4	453.6	453.6	458.7	462.8	464.9
50°	331.2	335.3	339.4	342.5	344.6	347.6	349.7	352.8	353.8	355.9	356.9
52.5°	259.2	264.3	264.3	266.4	269.5	272.5	271.5	272.5	273.6	273.6	276.6
55°	202.6	202.6	205.7	205.7	207.8	206.7	207.8	207.8	207.8	207.8	208.8
57.5°	151.2	152.2	155.3	153.2	152.2	154.3	152.2	154.3	153.2	155.3	152.2
60°	116.2	116.2	117.3	117.3	118.3	118.3	118.3	117.3	117.3	116.2	116.2
62.5°	87.4	88.4	89.5	88.4	88.4	88.4	87.4	87.4	86.4	85.3	85.3
65°	58.6	57.6	59.6	57.6	58.6	58.6	57.6	58.6	55.5	56.6	55.5
67.5°	42.2	41.1	40.1	41.1	40.1	39.1	39.1	40.1	41.1	38.1	38.1
70°	27.8	28.8	27.8	28.8	29.8	29.8	28.8	27.8	28.8	26.8	27.8
72.5°	17.5	17.5	17.5	17.5	17.5	18.5	18.5	18.5	16.5	16.5	15.4
75°	8.2	11.3	9.3	8.2	11.3	11.3	10.3	10.3	9.3	9.3	9.3
77.5°	8.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	5.1	6.2	5.1
80°	4.1	4.1	4.1	3.1	4.1	4.1	5.1	4.1	4.1	3.1	5.1
82.5°	2.1	2.1	2.1	0.0	1.0	2.1	2.1	1.0	2.1	2.1	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: P245879

CATALOG NUMBER: LD8B50D010 ER8B509727 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3
2.5°	2130.0	2129.0	2130.0	2131.0	2130.0	2129.0	2130.0	2131.0	2126.9	2125.9	2127.9
5°	2175.3	2175.3	2177.3	2178.3	2177.3	2175.3	2175.3	2171.1	2168.1	2165.0	2164.0
7.5°	2214.3	2216.4	2218.4	2219.4	2218.4	2216.4	2214.3	2208.1	2202.0	2196.8	2192.7
10°	2238.0	2241.1	2245.2	2247.2	2245.2	2241.1	2238.0	2230.8	2222.5	2214.3	2208.1
12.5°	2248.3	2251.4	2256.5	2255.5	2256.5	2251.4	2248.3	2238.0	2228.7	2217.4	2208.1
15°	2241.1	2245.2	2250.3	2252.4	2250.3	2245.2	2241.1	2230.8	2222.5	2210.2	2201.0
17.5°	2218.4	2224.6	2227.7	2230.8	2227.7	2224.6	2218.4	2210.2	2198.9	2188.6	2179.4
20°	2187.6	2191.7	2195.8	2196.8	2195.8	2191.7	2187.6	2178.3	2160.9	2158.8	2151.6
22.5°	2143.4	2146.5	2155.7	2152.6	2155.7	2146.5	2143.4	2135.1	2129.0	2117.6	2110.4
25°	2079.6	2082.7	2083.7	2084.7	2083.7	2082.7	2079.6	2072.4	2066.2	2058.0	2053.9
27.5°	1969.6	1969.6	1971.6	1972.6	1971.6	1969.6	1969.6	1964.4	1960.3	1956.2	1952.1
30°	1802.9	1802.9	1802.9	1808.1	1802.9	1802.9	1802.9	1801.9	1801.9	1802.9	1802.9
32.5°	1610.6	1608.5	1606.5	1608.5	1606.5	1608.5	1610.6	1611.6	1610.6	1613.7	1618.8
35°	1392.6	1391.5	1394.6	1390.5	1394.6	1391.5	1392.6	1392.6	1396.7	1400.8	1401.8
37.5°	1183.8	1181.7	1185.8	1181.7	1185.8	1181.7	1183.8	1182.7	1181.7	1183.8	1180.7
40°	985.3	987.3	987.3	995.6	987.3	987.3	985.3	983.2	976.0	971.9	967.8
42.5°	795.0	801.2	799.1	805.3	799.1	801.2	795.0	790.9	782.7	775.5	769.3
45°	615.0	619.2	619.2	621.2	619.2	619.2	615.0	610.9	603.7	597.5	593.4
47.5°	472.1	472.1	472.1	473.1	472.1	472.1	472.1	464.9	462.8	458.7	453.6
50°	358.9	360.0	361.0	362.0	361.0	360.0	358.9	356.9	355.9	353.8	352.8
52.5°	275.6	276.6	274.6	276.6	274.6	276.6	275.6	276.6	273.6	273.6	272.5
55°	208.8	207.8	208.8	209.8	208.8	207.8	208.8	208.8	207.8	207.8	207.8
57.5°	153.2	151.2	151.2	151.2	151.2	151.2	153.2	152.2	155.3	153.2	154.3
60°	114.2	115.2	115.2	116.2	115.2	115.2	114.2	116.2	116.2	117.3	117.3
62.5°	84.3	87.4	85.3	87.4	85.3	87.4	84.3	85.3	85.3	86.4	87.4
65°	54.5	54.5	54.5	55.5	54.5	54.5	54.5	55.5	56.6	55.5	58.6
67.5°	37.0	38.1	40.1	39.1	40.1	38.1	37.0	38.1	38.1	41.1	40.1
70°	29.8	26.8	26.8	29.8	26.8	26.8	29.8	27.8	26.8	28.8	27.8
72.5°	17.5	15.4	17.5	17.5	17.5	15.4	17.5	15.4	16.5	16.5	18.5
75°	9.3	8.2	7.2	10.3	7.2	8.2	9.3	9.3	9.3	9.3	10.3
77.5°	6.2	5.1	7.2	7.2	7.2	5.1	6.2	5.1	6.2	5.1	6.2
80°	3.1	4.1	3.1	5.1	3.1	4.1	3.1	5.1	3.1	4.1	4.1
82.5°	1.0	2.1	2.1	2.1	2.1	2.1	1.0	1.0	2.1	2.1	1.0
85°	0.0	2.1	1.0	1.0	1.0	2.1	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: P245879

CATALOG NUMBER: LD8B50D010 ER8B509727 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3
2.5°	2127.9	2124.8	2125.9	2119.7	2119.7	2117.6	2118.7	2113.5	2111.5	2109.4	2112.5
5°	2158.8	2153.7	2149.5	2140.3	2135.1	2129.0	2125.9	2117.6	2110.4	2104.3	2103.2
7.5°	2183.5	2172.2	2165.0	2152.6	2143.4	2136.2	2125.9	2114.5	2105.3	2097.1	2090.9
10°	2193.8	2182.5	2171.1	2155.7	2145.4	2132.0	2121.7	2107.4	2095.0	2083.7	2076.5
12.5°	2194.8	2180.4	2170.1	2152.6	2139.2	2124.8	2113.5	2097.1	2082.7	2071.4	2060.1
15°	2185.5	2172.2	2159.8	2141.3	2127.9	2114.5	2101.2	2083.7	2070.4	2057.0	2048.8
17.5°	2165.0	2152.6	2138.2	2120.7	2108.4	2096.0	2081.7	2067.3	2051.8	2037.4	2027.1
20°	2138.2	2124.8	2112.5	2095.0	2084.7	2071.4	2058.0	2042.6	2030.2	2015.8	2004.5
22.5°	2098.1	2085.8	2074.5	2064.2	2047.7	2037.4	2028.2	2010.7	1998.3	1985.0	1972.6
25°	2040.5	2028.2	2018.9	2006.6	1999.4	1988.1	1978.8	1963.4	1952.1	1939.7	1929.4
27.5°	1945.9	1938.7	1933.5	1926.3	1920.2	1915.0	1909.9	1897.5	1889.3	1878.0	1867.7
30°	1803.9	1802.9	1799.8	1796.8	1800.9	1800.9	1800.9	1798.8	1791.6	1783.4	1776.2
32.5°	1621.9	1624.0	1628.1	1631.2	1639.4	1648.7	1656.9	1661.0	1661.0	1655.9	1652.8
35°	1404.9	1408.0	1414.2	1422.4	1432.7	1444.0	1462.5	1466.6	1469.7	1469.7	1465.6
37.5°	1179.7	1178.6	1184.8	1192.0	1198.2	1206.4	1219.8	1222.9	1228.0	1226.0	1221.8
40°	960.6	955.5	953.4	955.5	962.7	959.6	962.7	960.6	960.6	953.4	953.4
42.5°	758.0	751.8	747.7	744.6	744.6	737.4	732.3	727.2	724.1	718.9	717.9
45°	584.2	577.0	571.8	569.8	566.7	557.4	551.3	545.1	537.9	535.9	536.9
47.5°	453.6	446.4	444.3	439.2	434.0	428.9	424.8	417.6	416.5	412.4	416.5
50°	349.7	347.6	344.6	342.5	339.4	335.3	331.2	327.1	325.0	325.0	326.0
52.5°	271.5	272.5	269.5	266.4	264.3	264.3	259.2	258.1	258.1	254.0	258.1
55°	207.8	206.7	207.8	205.7	205.7	202.6	202.6	199.5	199.5	196.4	198.5
57.5°	152.2	154.3	152.2	153.2	155.3	152.2	151.2	148.1	150.2	148.1	149.1
60°	118.3	118.3	118.3	117.3	117.3	116.2	116.2	115.2	115.2	113.1	115.2
62.5°	87.4	88.4	88.4	88.4	89.5	88.4	87.4	88.4	87.4	87.4	88.4
65°	57.6	58.6	58.6	57.6	59.6	57.6	58.6	59.6	60.7	59.6	60.7
67.5°	39.1	39.1	40.1	41.1	40.1	41.1	42.2	41.1	42.2	44.2	42.2
70°	28.8	29.8	29.8	28.8	27.8	28.8	27.8	30.9	30.9	30.9	32.9
72.5°	18.5	18.5	17.5	17.5	17.5	17.5	17.5	20.6	18.5	17.5	19.6
75°	10.3	11.3	11.3	8.2	9.3	11.3	8.2	9.3	12.4	10.3	12.4
77.5°	6.2	6.2	6.2	6.2	6.2	6.2	8.2	7.2	7.2	7.2	8.2
80°	5.1	4.1	4.1	3.1	4.1	4.1	4.1	6.2	5.1	5.1	6.2
82.5°	2.1	2.1	1.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	4.1
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	2.1	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: P245879

CATALOG NUMBER: LD8B50D010 ER8B509727 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3
2.5°	2104.3	2104.3	2103.2	2101.2	2097.1	2097.1	2096.0	2093.0	2090.9	2089.9	2089.9
5°	2094.0	2089.9	2085.8	2074.5	2074.5	2072.4	2066.2	2062.1	2060.1	2054.9	2052.9
7.5°	2084.7	2072.4	2065.2	2058.0	2048.8	2044.6	2037.4	2034.3	2027.1	2022.0	2018.9
10°	2062.1	2053.9	2044.6	2033.3	2026.1	2017.9	2009.6	2003.5	1994.2	1989.1	1985.0
12.5°	2046.7	2034.3	2026.1	2013.8	2001.4	1994.2	1982.9	1975.7	1966.5	1956.2	1950.0
15°	2032.3	2018.9	2007.6	1994.2	1980.9	1972.6	1959.3	1951.1	1937.7	1927.4	1920.2
17.5°	2010.7	1999.4	1987.0	1970.6	1958.3	1948.0	1933.5	1923.3	1910.9	1897.5	1890.4
20°	1988.1	1974.7	1962.4	1945.9	1933.5	1921.2	1906.8	1895.5	1881.1	1868.8	1860.5
22.5°	1958.3	1942.8	1932.5	1916.0	1901.7	1888.3	1874.9	1861.6	1848.2	1837.9	1828.6
25°	1915.0	1898.6	1887.3	1873.9	1860.5	1850.3	1833.8	1825.6	1812.2	1802.9	1793.7
27.5°	1853.3	1841.0	1830.7	1817.3	1806.0	1797.8	1785.4	1777.2	1765.9	1757.7	1750.5
30°	1762.8	1752.6	1743.3	1729.9	1721.7	1714.5	1703.2	1696.0	1687.7	1678.5	1676.4
32.5°	1641.5	1633.2	1624.0	1614.7	1608.5	1604.4	1595.2	1591.1	1582.8	1577.7	1572.6
35°	1458.4	1451.2	1446.1	1442.0	1439.9	1440.9	1438.9	1443.0	1445.0	1444.0	1445.0
37.5°	1218.8	1214.6	1216.7	1219.8	1230.1	1243.5	1255.8	1274.3	1286.6	1299.0	1310.3
40°	951.4	954.4	962.7	981.2	1007.9	1037.8	1065.5	1100.5	1135.5	1160.1	1182.7
42.5°	717.9	727.2	747.7	774.4	814.6	858.8	902.0	953.4	995.6	1036.7	1065.5
45°	540.0	552.3	579.0	616.1	660.3	711.7	766.2	823.8	874.2	916.4	948.3
47.5°	420.7	432.0	458.7	497.8	552.3	605.8	662.3	722.0	774.4	815.6	843.4
50°	332.2	346.6	370.2	411.4	465.9	522.5	581.1	639.7	689.1	724.1	748.7
52.5°	261.2	274.6	297.2	340.4	396.0	452.5	507.0	564.6	607.8	641.8	658.2
55°	202.6	215.0	238.6	274.6	327.1	382.6	437.1	486.5	526.6	551.3	566.7
57.5°	154.3	163.5	180.0	216.0	263.3	314.7	361.0	410.4	441.2	458.7	469.0
60°	117.3	124.5	141.9	169.7	212.9	257.1	296.2	333.2	357.9	372.3	382.6
62.5°	88.4	96.7	109.0	132.7	165.6	201.6	234.5	262.3	282.8	292.1	299.3
65°	60.7	66.8	76.1	94.6	122.4	148.1	173.8	194.4	207.8	218.1	222.2
67.5°	45.3	49.4	54.5	68.9	88.4	109.0	126.5	140.9	155.3	159.4	166.6
70°	34.0	37.0	42.2	52.5	63.8	78.1	92.6	100.8	111.1	118.3	120.4
72.5°	21.6	22.6	27.8	34.0	43.2	52.5	61.7	68.9	75.1	79.2	81.2
75°	12.4	18.5	18.5	24.7	30.9	35.0	41.1	46.3	49.4	52.5	52.5
77.5°	8.2	11.3	12.4	15.4	18.5	23.7	28.8	31.9	35.0	36.0	36.0
80°	7.2	8.2	8.2	11.3	13.4	17.5	20.6	21.6	23.7	24.7	26.8
82.5°	3.1	4.1	5.1	8.2	9.3	9.3	12.4	13.4	15.4	16.5	16.5
85°	1.0	2.1	2.1	3.1	5.1	6.2	7.2	8.2	9.3	9.3	10.3
87.5°	1.0	1.0	0.0	1.0	2.1	2.1	4.1	4.1	4.1	6.2	6.2
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: P245879

CATALOG NUMBER: LD8B50D010 ER8B509727 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3
2.5°	2087.8	2088.9	2084.7	2083.7	2081.7	2082.7	2084.7
5°	2049.8	2050.8	2046.7	2042.6	2042.6	2041.5	2042.6
7.5°	2013.8	2014.8	2008.6	2006.6	2002.4	2003.5	2003.5
10°	1977.8	1977.8	1968.5	1967.5	1964.4	1963.4	1963.4
12.5°	1942.8	1939.7	1932.5	1928.4	1930.5	1924.3	1924.3
15°	1911.9	1906.8	1897.5	1894.5	1889.3	1887.3	1887.3
17.5°	1880.1	1876.0	1867.7	1861.6	1855.4	1854.4	1855.4
20°	1849.2	1845.1	1834.8	1830.7	1825.6	1825.6	1823.5
22.5°	1818.3	1814.2	1805.0	1801.9	1794.7	1794.7	1795.7
25°	1786.5	1783.4	1773.1	1771.1	1770.0	1765.9	1768.0
27.5°	1743.3	1741.2	1733.0	1729.9	1725.8	1724.8	1726.8
30°	1664.1	1661.0	1654.9	1651.8	1644.6	1645.6	1647.6
32.5°	1565.4	1561.3	1553.0	1549.9	1543.8	1541.7	1542.7
35°	1442.0	1438.9	1431.7	1431.7	1425.5	1423.4	1425.5
37.5°	1316.5	1319.5	1316.5	1319.5	1316.5	1315.4	1316.5
40°	1198.2	1209.5	1211.5	1222.9	1218.8	1224.9	1223.9
42.5°	1085.0	1103.5	1110.8	1120.0	1118.0	1122.1	1125.2
45°	970.9	986.3	993.5	999.7	1000.7	1002.8	1003.8
47.5°	862.9	875.2	876.3	883.5	882.4	882.4	885.5
50°	762.1	770.3	772.4	777.5	773.4	771.4	772.4
52.5°	668.5	676.7	674.7	676.7	671.6	669.5	670.6
55°	572.9	577.0	577.0	577.0	570.8	570.8	570.8
57.5°	475.1	476.2	474.1	475.1	474.1	468.0	466.9
60°	385.7	385.7	384.6	385.7	382.6	379.5	379.5
62.5°	301.3	303.4	307.5	303.4	301.3	303.4	300.3
65°	225.3	229.4	228.3	230.4	229.4	229.4	227.3
67.5°	169.7	170.7	171.7	172.8	172.8	172.8	172.8
70°	124.5	127.6	126.5	126.5	126.5	126.5	132.7
72.5°	83.3	87.4	86.4	88.4	88.4	90.5	88.4
75°	56.6	60.7	58.6	61.7	60.7	58.6	63.8
77.5°	38.1	40.1	41.1	42.2	41.1	40.1	41.1
80°	26.8	28.8	27.8	28.8	28.8	28.8	29.8
82.5°	16.5	19.6	18.5	19.6	18.5	19.6	19.6
85°	11.3	12.4	10.3	12.4	11.3	11.3	13.4
87.5°	7.2	6.2	6.2	7.2	6.2	7.2	6.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)