

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: P245890

Luminaire Tested: **LSR8B40D010 EC8B40827 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245890
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: LSR8B40D010 EC8B40827 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3154.0 lumens
Efficiency: N/A
Efficacy: 77.1 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

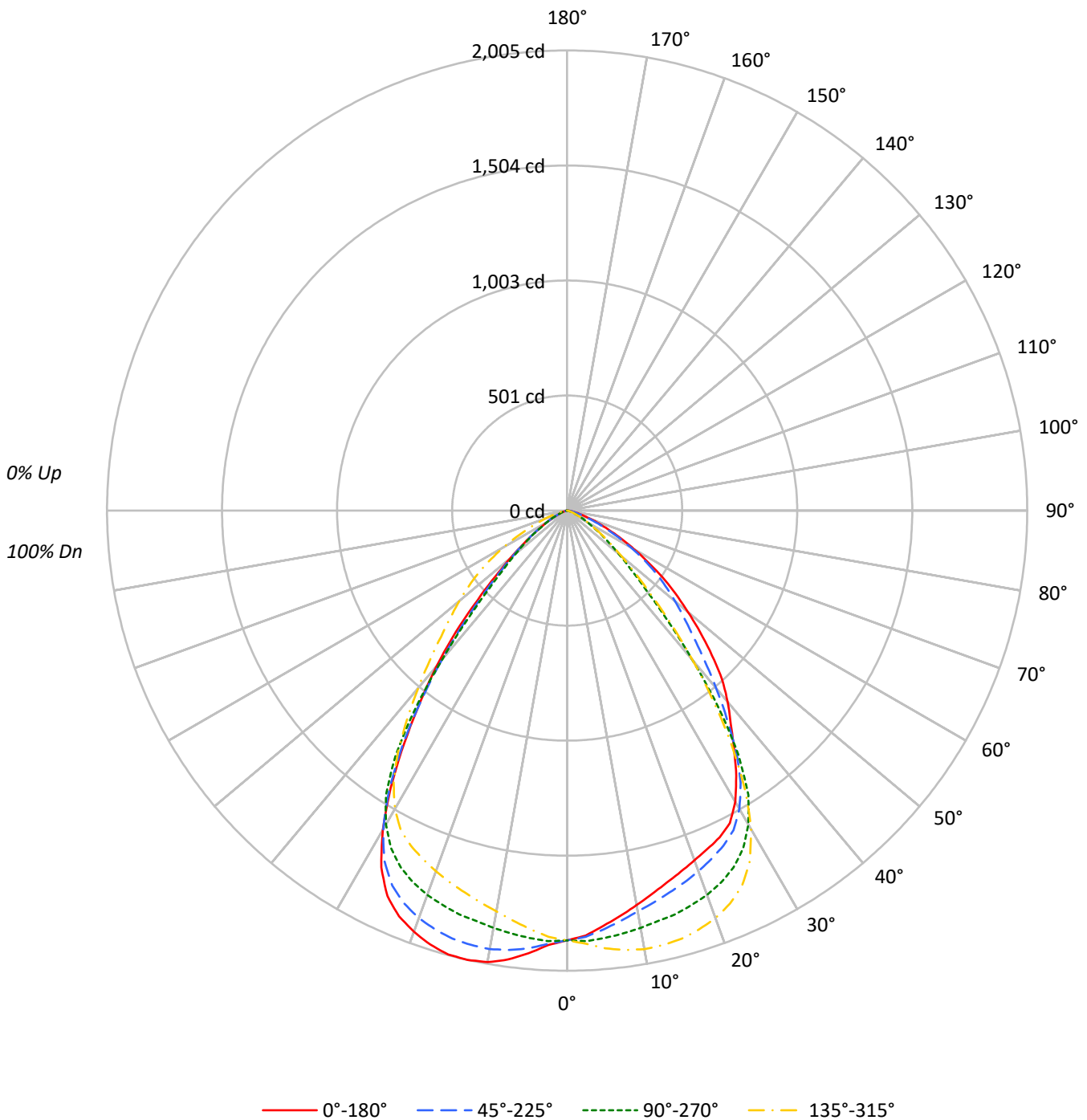
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	57738	57738	57738	57738
5°	56206	57875	59940	57875
10°	54649	57799	62552	57799
15°	53559	58143	63922	58143
20°	53194	58474	64085	58474
25°	53472	58358	63053	58358
30°	52150	56219	57231	56219
35°	47703	49043	46532	49043
40°	43796	34115	35625	34115
45°	38912	20815	24081	20815
50°	32938	13903	15438	13903
55°	27279	9489	10027	9489
60°	20808	6315	6371	6315
65°	14739	3933	3604	3933
70°	10630	2633	2389	2633
75°	6755	1311	1084	1311
80°	4706	977	817	977
85°	4210	0	318	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.2	5.7
10°-20°	516.1	16.4
20°-30°	781.5	24.8
30°-40°	783.2	24.8
40°-50°	491.8	15.6
50°-60°	262.1	8.3
60°-70°	107.8	3.4
70°-80°	28.5	0.9
80°-90°	4.8	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°	1475.8	46.8
0°-40°	2259.0	71.6
0°-60°	3012.9	95.5
0°-90°	3154.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3154.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1872	1872	1872	1872	1872	
5°	1816	1870	1936	1870	1816	171
15°	1678	1821	2002	1821	1678	474
25°	1572	1715	1853	1715	1572	721
35°	1267	1303	1236	1303	1267	794
45°	892	477	552	477	892	686
55°	507	176	186	176	507	452
65°	202	54	49	54	202	210
75°	57	11	9	11	57	64
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°	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4
2.5°	1853.2	1851.4	1850.5	1852.3	1853.2	1856.9	1856.0	1857.8	1857.8	1858.7	1860.5
5°	1815.8	1814.8	1815.8	1815.8	1819.4	1823.1	1822.2	1824.9	1826.7	1831.3	1833.1
7.5°	1781.0	1781.0	1780.1	1783.7	1785.6	1791.1	1790.1	1794.7	1797.5	1802.0	1808.4
10°	1745.3	1745.3	1746.2	1749.0	1749.9	1758.1	1758.1	1764.5	1768.2	1772.8	1781.0
12.5°	1710.6	1710.6	1716.1	1714.3	1717.9	1724.3	1727.1	1733.5	1738.9	1748.1	1756.3
15°	1677.7	1677.7	1679.5	1684.1	1686.8	1695.1	1699.6	1707.0	1713.4	1722.5	1734.4
17.5°	1649.3	1648.4	1649.3	1654.8	1660.3	1667.6	1671.3	1680.4	1686.8	1698.7	1709.7
20°	1621.0	1622.9	1622.9	1627.4	1631.1	1640.2	1643.9	1653.9	1661.2	1672.2	1685.0
22.5°	1596.3	1595.4	1595.4	1601.8	1604.6	1612.8	1616.4	1625.6	1633.8	1642.9	1654.8
25°	1571.6	1569.8	1573.5	1574.4	1576.2	1585.3	1588.1	1594.5	1602.7	1611.0	1622.9
27.5°	1535.1	1533.3	1534.2	1537.8	1540.6	1547.9	1549.7	1556.1	1562.5	1569.8	1579.9
30°	1464.6	1462.8	1461.9	1468.3	1471.1	1476.5	1479.3	1490.3	1492.1	1500.3	1507.6
32.5°	1371.4	1370.5	1372.3	1377.8	1380.5	1387.9	1391.5	1397.9	1402.5	1407.1	1414.4
35°	1267.2	1265.3	1267.2	1272.7	1272.7	1279.1	1281.8	1284.5	1283.6	1284.5	1282.7
37.5°	1170.3	1169.3	1170.3	1173.0	1170.3	1173.0	1170.3	1164.8	1154.7	1143.8	1132.8
40°	1088.0	1088.9	1083.4	1087.1	1077.0	1075.2	1065.1	1051.4	1031.3	1009.4	978.3
42.5°	1000.2	997.5	993.8	995.6	987.4	981.0	964.6	947.2	921.6	885.0	847.5
45°	892.3	891.4	889.6	888.7	883.2	876.8	863.1	843.0	814.6	777.1	732.3
47.5°	787.2	784.4	784.4	785.3	778.9	778.0	767.1	749.7	725.0	688.4	641.8
50°	686.6	685.7	687.5	691.2	686.6	684.8	677.5	665.6	643.7	612.6	568.7
52.5°	596.1	595.2	597.0	601.6	599.7	601.6	594.3	585.1	570.5	540.3	501.9
55°	507.4	507.4	507.4	512.9	512.9	512.9	509.2	503.8	490.0	468.1	432.5
57.5°	415.1	416.0	421.5	422.4	421.5	423.3	422.4	416.9	407.8	392.2	364.8
60°	337.4	337.4	340.1	342.9	341.9	342.9	342.9	340.1	331.0	318.2	296.2
62.5°	267.0	269.7	267.9	269.7	273.4	269.7	267.9	266.1	259.7	251.4	233.1
65°	202.0	203.9	203.9	204.8	203.0	203.9	200.2	197.5	193.8	184.7	172.8
67.5°	153.6	153.6	153.6	153.6	152.7	151.8	150.9	148.1	141.7	138.1	125.2
70°	117.9	112.4	112.4	112.4	112.4	113.4	110.6	107.0	105.1	98.7	89.6
72.5°	78.6	80.5	78.6	78.6	76.8	77.7	74.1	72.2	70.4	66.8	61.3
75°	56.7	52.1	53.9	54.9	52.1	53.9	50.3	46.6	46.6	43.9	41.1
77.5°	36.6	35.7	36.6	37.5	36.6	35.7	33.8	32.0	32.0	31.1	28.3
80°	26.5	25.6	25.6	25.6	24.7	25.6	23.8	23.8	21.9	21.0	19.2
82.5°	17.4	17.4	16.4	17.4	16.4	17.4	14.6	14.6	14.6	13.7	11.9
85°	11.9	10.0	10.0	11.0	9.1	11.0	10.0	9.1	8.2	8.2	7.3
87.5°	5.5	6.4	5.5	6.4	5.5	5.5	6.4	5.5	5.5	3.7	3.7
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°	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4
2.5°	1863.3	1864.2	1864.2	1867.9	1869.7	1870.6	1870.6	1877.9	1875.2	1877.0	1878.8
5°	1836.8	1842.2	1844.1	1844.1	1854.1	1857.8	1861.4	1869.7	1870.6	1876.1	1882.5
7.5°	1811.2	1817.6	1821.3	1829.5	1835.9	1842.2	1853.2	1858.7	1864.2	1871.5	1879.7
10°	1786.5	1793.8	1801.1	1807.5	1817.6	1825.8	1833.1	1845.9	1852.3	1862.4	1873.3
12.5°	1762.7	1772.8	1779.2	1790.1	1801.1	1808.4	1819.4	1831.3	1841.3	1851.4	1864.2
15°	1741.7	1753.6	1760.9	1772.8	1784.7	1794.7	1806.6	1821.3	1828.6	1840.4	1852.3
17.5°	1718.8	1731.6	1740.8	1751.7	1766.4	1777.3	1787.4	1802.0	1811.2	1824.0	1837.7
20°	1695.1	1707.9	1718.8	1729.8	1744.4	1755.4	1767.3	1781.9	1792.0	1804.8	1815.8
22.5°	1666.7	1678.6	1690.5	1703.3	1717.9	1727.1	1740.8	1753.6	1764.5	1776.4	1787.4
25°	1630.2	1644.8	1653.9	1665.8	1677.7	1687.7	1702.4	1715.2	1724.3	1735.3	1745.3
27.5°	1587.2	1598.2	1605.5	1615.5	1627.4	1636.6	1647.5	1660.3	1669.5	1679.5	1686.8
30°	1514.0	1524.1	1530.5	1537.8	1549.7	1557.9	1567.1	1578.9	1585.3	1592.7	1599.1
32.5°	1418.0	1426.3	1429.9	1435.4	1443.6	1451.9	1459.2	1469.2	1472.0	1476.5	1476.5
35°	1279.1	1280.9	1280.0	1281.8	1285.5	1290.0	1296.4	1302.8	1306.5	1306.5	1303.8
37.5°	1116.3	1105.4	1093.5	1084.3	1081.6	1079.7	1083.4	1086.1	1089.8	1091.6	1087.1
40°	947.2	922.5	896.0	872.2	855.8	848.5	845.7	847.5	847.5	853.9	853.9
42.5°	801.8	763.4	724.1	688.4	664.7	646.4	638.2	638.2	639.1	643.7	646.4
45°	681.1	632.7	587.0	547.7	514.7	491.0	480.0	477.3	476.3	478.2	484.6
47.5°	588.8	538.5	491.0	442.5	407.8	384.0	374.0	370.3	366.6	370.3	371.2
50°	516.6	464.5	414.2	365.7	329.1	308.1	295.3	289.8	288.9	288.9	290.7
52.5°	450.7	402.3	352.0	302.6	264.2	244.1	232.2	229.5	225.8	229.5	229.5
55°	388.6	340.1	290.7	244.1	212.1	191.1	180.1	176.5	174.6	177.4	177.4
57.5°	320.9	279.8	234.1	192.0	160.0	145.4	137.1	132.6	131.6	133.5	131.6
60°	263.3	228.6	189.3	150.9	126.2	110.6	104.2	102.4	100.6	102.4	102.4
62.5°	208.4	179.2	147.2	117.9	96.9	86.0	78.6	78.6	77.7	77.7	78.6
65°	154.5	131.6	108.8	84.1	67.7	59.4	53.9	53.9	53.0	53.9	53.0
67.5°	112.4	96.9	78.6	61.3	48.5	43.9	40.2	37.5	39.3	37.5	36.6
70°	82.3	69.5	56.7	46.6	37.5	32.9	30.2	29.2	27.4	27.4	27.4
72.5°	54.9	46.6	38.4	30.2	24.7	20.1	19.2	17.4	15.5	16.4	18.3
75°	36.6	31.1	27.4	21.9	16.4	16.4	11.0	11.0	9.1	11.0	8.2
77.5°	25.6	21.0	16.4	13.7	11.0	10.0	7.3	7.3	6.4	6.4	6.4
80°	18.3	15.5	11.9	10.0	7.3	7.3	6.4	5.5	4.6	4.6	5.5
82.5°	11.0	8.2	8.2	7.3	4.6	3.7	2.7	3.7	1.8	1.8	1.8
85°	6.4	5.5	4.6	2.7	1.8	1.8	0.9	0.0	0.9	0.9	0.0
87.5°	3.7	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°	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4
2.5°	1883.4	1882.5	1884.3	1884.3	1889.8	1888.9	1891.6	1891.6	1889.8	1890.7	1894.4
5°	1889.8	1892.6	1898.0	1902.6	1910.8	1914.5	1919.1	1923.6	1924.6	1927.3	1930.0
7.5°	1889.8	1899.0	1905.4	1913.6	1924.6	1930.9	1941.0	1949.2	1952.9	1957.4	1962.9
10°	1886.1	1895.3	1907.2	1916.3	1930.0	1940.1	1950.1	1962.9	1968.4	1975.7	1983.1
12.5°	1878.8	1888.9	1901.7	1913.6	1929.1	1938.2	1951.0	1962.9	1971.2	1981.2	1989.5
15°	1867.9	1879.7	1891.6	1903.5	1920.0	1930.9	1942.8	1956.5	1964.8	1975.7	1983.1
17.5°	1850.5	1863.3	1874.3	1885.2	1900.8	1913.6	1924.6	1937.3	1945.6	1954.7	1964.8
20°	1829.5	1841.3	1853.2	1862.4	1877.9	1888.9	1900.8	1912.7	1919.1	1920.9	1936.4
22.5°	1803.0	1811.2	1820.3	1834.9	1844.1	1854.1	1865.1	1876.1	1882.5	1892.6	1898.0
25°	1759.0	1767.3	1777.3	1783.7	1794.7	1803.0	1813.9	1825.8	1829.5	1836.8	1842.2
27.5°	1697.8	1702.4	1707.0	1712.4	1718.8	1723.4	1729.8	1735.3	1738.9	1742.6	1746.2
30°	1600.9	1600.9	1600.9	1597.2	1600.0	1602.7	1603.6	1602.7	1602.7	1601.8	1601.8
32.5°	1472.9	1465.6	1457.3	1450.0	1447.3	1443.6	1441.8	1439.1	1434.5	1431.8	1432.7
35°	1300.1	1283.6	1273.6	1264.4	1257.1	1251.6	1248.9	1246.2	1245.3	1241.6	1237.9
37.5°	1084.3	1072.4	1065.1	1059.6	1053.3	1047.8	1048.7	1049.6	1052.3	1050.5	1051.4
40°	855.8	853.0	855.8	849.4	847.5	849.4	853.9	860.3	864.0	867.6	874.0
42.5°	651.0	655.5	662.0	662.0	664.7	668.3	673.8	683.9	689.3	695.7	703.1
45°	490.0	495.5	503.8	506.5	508.3	512.9	519.3	527.5	531.2	536.7	543.1
47.5°	377.6	381.3	385.8	390.4	395.0	396.8	403.2	403.2	407.8	411.4	413.2
50°	294.4	298.0	301.7	304.4	306.3	309.0	310.8	313.6	314.5	316.3	317.2
52.5°	230.4	235.0	235.0	236.8	239.5	242.3	241.4	242.3	243.2	243.2	245.9
55°	180.1	180.1	182.9	182.9	184.7	183.8	184.7	184.7	184.7	184.7	185.6
57.5°	134.4	135.3	138.1	136.2	135.3	137.1	135.3	137.1	136.2	138.1	135.3
60°	103.3	103.3	104.2	104.2	105.1	105.1	105.1	104.2	104.2	103.3	103.3
62.5°	77.7	78.6	79.6	78.6	78.6	78.6	77.7	77.7	76.8	75.9	75.9
65°	52.1	51.2	53.0	51.2	52.1	52.1	51.2	52.1	49.4	50.3	49.4
67.5°	37.5	36.6	35.7	36.6	35.7	34.7	34.7	35.7	36.6	33.8	33.8
70°	24.7	25.6	24.7	25.6	26.5	26.5	25.6	24.7	25.6	23.8	24.7
72.5°	15.5	15.5	15.5	15.5	15.5	16.4	16.4	16.4	14.6	14.6	13.7
75°	7.3	10.0	8.2	7.3	10.0	10.0	9.1	9.1	8.2	8.2	8.2
77.5°	7.3	5.5	5.5	5.5	5.5	5.5	5.5	5.5	4.6	5.5	4.6
80°	3.7	3.7	3.7	2.7	3.7	3.7	4.6	3.7	3.7	2.7	4.6
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: P245890

CATALOG NUMBER: LSR8B40D010 EC8B40827 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4
2.5°	1893.5	1892.6	1893.5	1894.4	1893.5	1892.6	1893.5	1894.4	1890.7	1889.8	1891.6
5°	1933.7	1933.7	1935.5	1936.4	1935.5	1933.7	1933.7	1930.0	1927.3	1924.6	1923.6
7.5°	1968.4	1970.3	1972.1	1973.0	1972.1	1970.3	1968.4	1962.9	1957.4	1952.9	1949.2
10°	1989.5	1992.2	1995.9	1997.7	1995.9	1992.2	1989.5	1983.1	1975.7	1968.4	1962.9
12.5°	1998.6	2001.4	2005.9	2005.0	2005.9	2001.4	1998.6	1989.5	1981.2	1971.2	1962.9
15°	1992.2	1995.9	2000.4	2002.3	2000.4	1995.9	1992.2	1983.1	1975.7	1964.8	1956.5
17.5°	1972.1	1977.6	1980.3	1983.1	1980.3	1977.6	1972.1	1964.8	1954.7	1945.6	1937.3
20°	1944.6	1948.3	1952.0	1952.9	1952.0	1948.3	1944.6	1936.4	1920.9	1919.1	1912.7
22.5°	1905.4	1908.1	1916.3	1913.6	1916.3	1908.1	1905.4	1898.0	1892.6	1882.5	1876.1
25°	1848.6	1851.4	1852.3	1853.2	1852.3	1851.4	1848.6	1842.2	1836.8	1829.5	1825.8
27.5°	1750.8	1750.8	1752.6	1753.6	1752.6	1750.8	1750.8	1746.2	1742.6	1738.9	1735.3
30°	1602.7	1602.7	1602.7	1607.3	1602.7	1602.7	1602.7	1601.8	1601.8	1602.7	1602.7
32.5°	1431.8	1429.9	1428.1	1429.9	1428.1	1429.9	1431.8	1432.7	1431.8	1434.5	1439.1
35°	1237.9	1237.0	1239.8	1236.1	1239.8	1237.0	1237.9	1237.9	1241.6	1245.3	1246.2
37.5°	1052.3	1050.5	1054.2	1050.5	1054.2	1050.5	1052.3	1051.4	1050.5	1052.3	1049.6
40°	875.9	877.7	877.7	885.0	877.7	877.7	875.9	874.0	867.6	864.0	860.3
42.5°	706.7	712.2	710.4	715.9	710.4	712.2	706.7	703.1	695.7	689.3	683.9
45°	546.7	550.4	550.4	552.2	550.4	550.4	546.7	543.1	536.7	531.2	527.5
47.5°	419.6	419.6	419.6	420.6	419.6	419.6	419.6	413.2	411.4	407.8	403.2
50°	319.1	320.0	320.9	321.8	320.9	320.0	319.1	317.2	316.3	314.5	313.6
52.5°	245.0	245.9	244.1	245.9	244.1	245.9	245.0	245.9	243.2	243.2	242.3
55°	185.6	184.7	185.6	186.5	185.6	184.7	185.6	185.6	184.7	184.7	184.7
57.5°	136.2	134.4	134.4	134.4	134.4	134.4	136.2	135.3	138.1	136.2	137.1
60°	101.5	102.4	102.4	103.3	102.4	102.4	101.5	103.3	103.3	104.2	104.2
62.5°	75.0	77.7	75.9	77.7	75.9	77.7	75.0	75.9	75.9	76.8	77.7
65°	48.5	48.5	48.5	49.4	48.5	48.5	48.5	49.4	50.3	49.4	52.1
67.5°	32.9	33.8	35.7	34.7	35.7	33.8	32.9	33.8	33.8	36.6	35.7
70°	26.5	23.8	23.8	26.5	23.8	23.8	26.5	24.7	23.8	25.6	24.7
72.5°	15.5	13.7	15.5	15.5	15.5	13.7	15.5	13.7	14.6	14.6	16.4
75°	8.2	7.3	6.4	9.1	6.4	7.3	8.2	8.2	8.2	8.2	9.1
77.5°	5.5	4.6	6.4	6.4	6.4	4.6	5.5	4.6	5.5	4.6	5.5
80°	2.7	3.7	2.7	4.6	2.7	3.7	2.7	4.6	2.7	3.7	3.7
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: P245890

CATALOG NUMBER: LSR8B40D010 EC8B40827 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4
2.5°	1891.6	1888.9	1889.8	1884.3	1884.3	1882.5	1883.4	1878.8	1877.0	1875.2	1877.9
5°	1919.1	1914.5	1910.8	1902.6	1898.0	1892.6	1889.8	1882.5	1876.1	1870.6	1869.7
7.5°	1941.0	1930.9	1924.6	1913.6	1905.4	1899.0	1889.8	1879.7	1871.5	1864.2	1858.7
10°	1950.1	1940.1	1930.0	1916.3	1907.2	1895.3	1886.1	1873.3	1862.4	1852.3	1845.9
12.5°	1951.0	1938.2	1929.1	1913.6	1901.7	1888.9	1878.8	1864.2	1851.4	1841.3	1831.3
15°	1942.8	1930.9	1920.0	1903.5	1891.6	1879.7	1867.9	1852.3	1840.4	1828.6	1821.3
17.5°	1924.6	1913.6	1900.8	1885.2	1874.3	1863.3	1850.5	1837.7	1824.0	1811.2	1802.0
20°	1900.8	1888.9	1877.9	1862.4	1853.2	1841.3	1829.5	1815.8	1804.8	1792.0	1781.9
22.5°	1865.1	1854.1	1844.1	1834.9	1820.3	1811.2	1803.0	1787.4	1776.4	1764.5	1753.6
25°	1813.9	1803.0	1794.7	1783.7	1777.3	1767.3	1759.0	1745.3	1735.3	1724.3	1715.2
27.5°	1729.8	1723.4	1718.8	1712.4	1707.0	1702.4	1697.8	1686.8	1679.5	1669.5	1660.3
30°	1603.6	1602.7	1600.0	1597.2	1600.9	1600.9	1600.9	1599.1	1592.7	1585.3	1578.9
32.5°	1441.8	1443.6	1447.3	1450.0	1457.3	1465.6	1472.9	1476.5	1476.5	1472.0	1469.2
35°	1248.9	1251.6	1257.1	1264.4	1273.6	1283.6	1300.1	1303.8	1306.5	1306.5	1302.8
37.5°	1048.7	1047.8	1053.3	1059.6	1065.1	1072.4	1084.3	1087.1	1091.6	1089.8	1086.1
40°	853.9	849.4	847.5	849.4	855.8	853.0	855.8	853.9	853.9	847.5	847.5
42.5°	673.8	668.3	664.7	662.0	662.0	655.5	651.0	646.4	643.7	639.1	638.2
45°	519.3	512.9	508.3	506.5	503.8	495.5	490.0	484.6	478.2	476.3	477.3
47.5°	403.2	396.8	395.0	390.4	385.8	381.3	377.6	371.2	370.3	366.6	370.3
50°	310.8	309.0	306.3	304.4	301.7	298.0	294.4	290.7	288.9	288.9	289.8
52.5°	241.4	242.3	239.5	236.8	235.0	235.0	230.4	229.5	229.5	225.8	229.5
55°	184.7	183.8	184.7	182.9	182.9	180.1	180.1	177.4	177.4	174.6	176.5
57.5°	135.3	137.1	135.3	136.2	138.1	135.3	134.4	131.6	133.5	131.6	132.6
60°	105.1	105.1	105.1	104.2	104.2	103.3	103.3	102.4	102.4	100.6	102.4
62.5°	77.7	78.6	78.6	78.6	79.6	78.6	77.7	78.6	77.7	77.7	78.6
65°	51.2	52.1	52.1	51.2	53.0	51.2	52.1	53.0	53.9	53.0	53.9
67.5°	34.7	34.7	35.7	36.6	35.7	36.6	37.5	36.6	37.5	39.3	37.5
70°	25.6	26.5	26.5	25.6	24.7	25.6	24.7	27.4	27.4	27.4	29.2
72.5°	16.4	16.4	15.5	15.5	15.5	15.5	15.5	18.3	16.4	15.5	17.4
75°	9.1	10.0	10.0	7.3	8.2	10.0	7.3	8.2	11.0	9.1	11.0
77.5°	5.5	5.5	5.5	5.5	5.5	5.5	7.3	6.4	6.4	6.4	7.3
80°	4.6	3.7	3.7	2.7	3.7	3.7	3.7	5.5	4.6	4.6	5.5
82.5°	1.8	1.8	0.9	0.0	1.8	1.8	1.8	1.8	1.8	1.8	3.7
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: P245890

CATALOG NUMBER: LSR8B40D010 EC8B40827 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4
2.5°	1870.6	1870.6	1869.7	1867.9	1864.2	1864.2	1863.3	1860.5	1858.7	1857.8	1857.8
5°	1861.4	1857.8	1854.1	1844.1	1844.1	1842.2	1836.8	1833.1	1831.3	1826.7	1824.9
7.5°	1853.2	1842.2	1835.9	1829.5	1821.3	1817.6	1811.2	1808.4	1802.0	1797.5	1794.7
10°	1833.1	1825.8	1817.6	1807.5	1801.1	1793.8	1786.5	1781.0	1772.8	1768.2	1764.5
12.5°	1819.4	1808.4	1801.1	1790.1	1779.2	1772.8	1762.7	1756.3	1748.1	1738.9	1733.5
15°	1806.6	1794.7	1784.7	1772.8	1760.9	1753.6	1741.7	1734.4	1722.5	1713.4	1707.0
17.5°	1787.4	1777.3	1766.4	1751.7	1740.8	1731.6	1718.8	1709.7	1698.7	1686.8	1680.4
20°	1767.3	1755.4	1744.4	1729.8	1718.8	1707.9	1695.1	1685.0	1672.2	1661.2	1653.9
22.5°	1740.8	1727.1	1717.9	1703.3	1690.5	1678.6	1666.7	1654.8	1642.9	1633.8	1625.6
25°	1702.4	1687.7	1677.7	1665.8	1653.9	1644.8	1630.2	1622.9	1611.0	1602.7	1594.5
27.5°	1647.5	1636.6	1627.4	1615.5	1605.5	1598.2	1587.2	1579.9	1569.8	1562.5	1556.1
30°	1567.1	1557.9	1549.7	1537.8	1530.5	1524.1	1514.0	1507.6	1500.3	1492.1	1490.3
32.5°	1459.2	1451.9	1443.6	1435.4	1429.9	1426.3	1418.0	1414.4	1407.1	1402.5	1397.9
35°	1296.4	1290.0	1285.5	1281.8	1280.0	1280.9	1279.1	1282.7	1284.5	1283.6	1284.5
37.5°	1083.4	1079.7	1081.6	1084.3	1093.5	1105.4	1116.3	1132.8	1143.8	1154.7	1164.8
40°	845.7	848.5	855.8	872.2	896.0	922.5	947.2	978.3	1009.4	1031.3	1051.4
42.5°	638.2	646.4	664.7	688.4	724.1	763.4	801.8	847.5	885.0	921.6	947.2
45°	480.0	491.0	514.7	547.7	587.0	632.7	681.1	732.3	777.1	814.6	843.0
47.5°	374.0	384.0	407.8	442.5	491.0	538.5	588.8	641.8	688.4	725.0	749.7
50°	295.3	308.1	329.1	365.7	414.2	464.5	516.6	568.7	612.6	643.7	665.6
52.5°	232.2	244.1	264.2	302.6	352.0	402.3	450.7	501.9	540.3	570.5	585.1
55°	180.1	191.1	212.1	244.1	290.7	340.1	388.6	432.5	468.1	490.0	503.8
57.5°	137.1	145.4	160.0	192.0	234.1	279.8	320.9	364.8	392.2	407.8	416.9
60°	104.2	110.6	126.2	150.9	189.3	228.6	263.3	296.2	318.2	331.0	340.1
62.5°	78.6	86.0	96.9	117.9	147.2	179.2	208.4	233.1	251.4	259.7	266.1
65°	53.9	59.4	67.7	84.1	108.8	131.6	154.5	172.8	184.7	193.8	197.5
67.5°	40.2	43.9	48.5	61.3	78.6	96.9	112.4	125.2	138.1	141.7	148.1
70°	30.2	32.9	37.5	46.6	56.7	69.5	82.3	89.6	98.7	105.1	107.0
72.5°	19.2	20.1	24.7	30.2	38.4	46.6	54.9	61.3	66.8	70.4	72.2
75°	11.0	16.4	16.4	21.9	27.4	31.1	36.6	41.1	43.9	46.6	46.6
77.5°	7.3	10.0	11.0	13.7	16.4	21.0	25.6	28.3	31.1	32.0	32.0
80°	6.4	7.3	7.3	10.0	11.9	15.5	18.3	19.2	21.0	21.9	23.8
82.5°	2.7	3.7	4.6	7.3	8.2	8.2	11.0	11.9	13.7	14.6	14.6
85°	0.9	1.8	1.8	2.7	4.6	5.5	6.4	7.3	8.2	8.2	9.1
87.5°	0.9	0.9	0.0	0.9	1.8	1.8	3.7	3.7	3.7	5.5	5.5
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: P245890

CATALOG NUMBER: LSR8B40D010 EC8B40827 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4	1872.4
2.5°	1856.0	1856.9	1853.2	1852.3	1850.5	1851.4	1853.2
5°	1822.2	1823.1	1819.4	1815.8	1815.8	1814.8	1815.8
7.5°	1790.1	1791.1	1785.6	1783.7	1780.1	1781.0	1781.0
10°	1758.1	1758.1	1749.9	1749.0	1746.2	1745.3	1745.3
12.5°	1727.1	1724.3	1717.9	1714.3	1716.1	1710.6	1710.6
15°	1699.6	1695.1	1686.8	1684.1	1679.5	1677.7	1677.7
17.5°	1671.3	1667.6	1660.3	1654.8	1649.3	1648.4	1649.3
20°	1643.9	1640.2	1631.1	1627.4	1622.9	1622.9	1621.0
22.5°	1616.4	1612.8	1604.6	1601.8	1595.4	1595.4	1596.3
25°	1588.1	1585.3	1576.2	1574.4	1573.5	1569.8	1571.6
27.5°	1549.7	1547.9	1540.6	1537.8	1534.2	1533.3	1535.1
30°	1479.3	1476.5	1471.1	1468.3	1461.9	1462.8	1464.6
32.5°	1391.5	1387.9	1380.5	1377.8	1372.3	1370.5	1371.4
35°	1281.8	1279.1	1272.7	1272.7	1267.2	1265.3	1267.2
37.5°	1170.3	1173.0	1170.3	1173.0	1170.3	1169.3	1170.3
40°	1065.1	1075.2	1077.0	1087.1	1083.4	1088.9	1088.0
42.5°	964.6	981.0	987.4	995.6	993.8	997.5	1000.2
45°	863.1	876.8	883.2	888.7	889.6	891.4	892.3
47.5°	767.1	778.0	778.9	785.3	784.4	784.4	787.2
50°	677.5	684.8	686.6	691.2	687.5	685.7	686.6
52.5°	594.3	601.6	599.7	601.6	597.0	595.2	596.1
55°	509.2	512.9	512.9	512.9	507.4	507.4	507.4
57.5°	422.4	423.3	421.5	422.4	421.5	416.0	415.1
60°	342.9	342.9	341.9	342.9	340.1	337.4	337.4
62.5°	267.9	269.7	273.4	269.7	267.9	269.7	267.0
65°	200.2	203.9	203.0	204.8	203.9	203.9	202.0
67.5°	150.9	151.8	152.7	153.6	153.6	153.6	153.6
70°	110.6	113.4	112.4	112.4	112.4	112.4	117.9
72.5°	74.1	77.7	76.8	78.6	78.6	80.5	78.6
75°	50.3	53.9	52.1	54.9	53.9	52.1	56.7
77.5°	33.8	35.7	36.6	37.5	36.6	35.7	36.6
80°	23.8	25.6	24.7	25.6	25.6	25.6	26.5
82.5°	14.6	17.4	16.4	17.4	16.4	17.4	17.4
85°	10.0	11.0	9.1	11.0	10.0	10.0	11.9
87.5°	6.4	5.5	5.5	6.4	5.5	6.4	5.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)