

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: P244527

Luminaire Tested: **LSR8B30D010 EC8B30830 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244527
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: LSR8B30D010 EC8B30830 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2975.0 lumens
Efficiency: N/A
Efficacy: 109.8 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

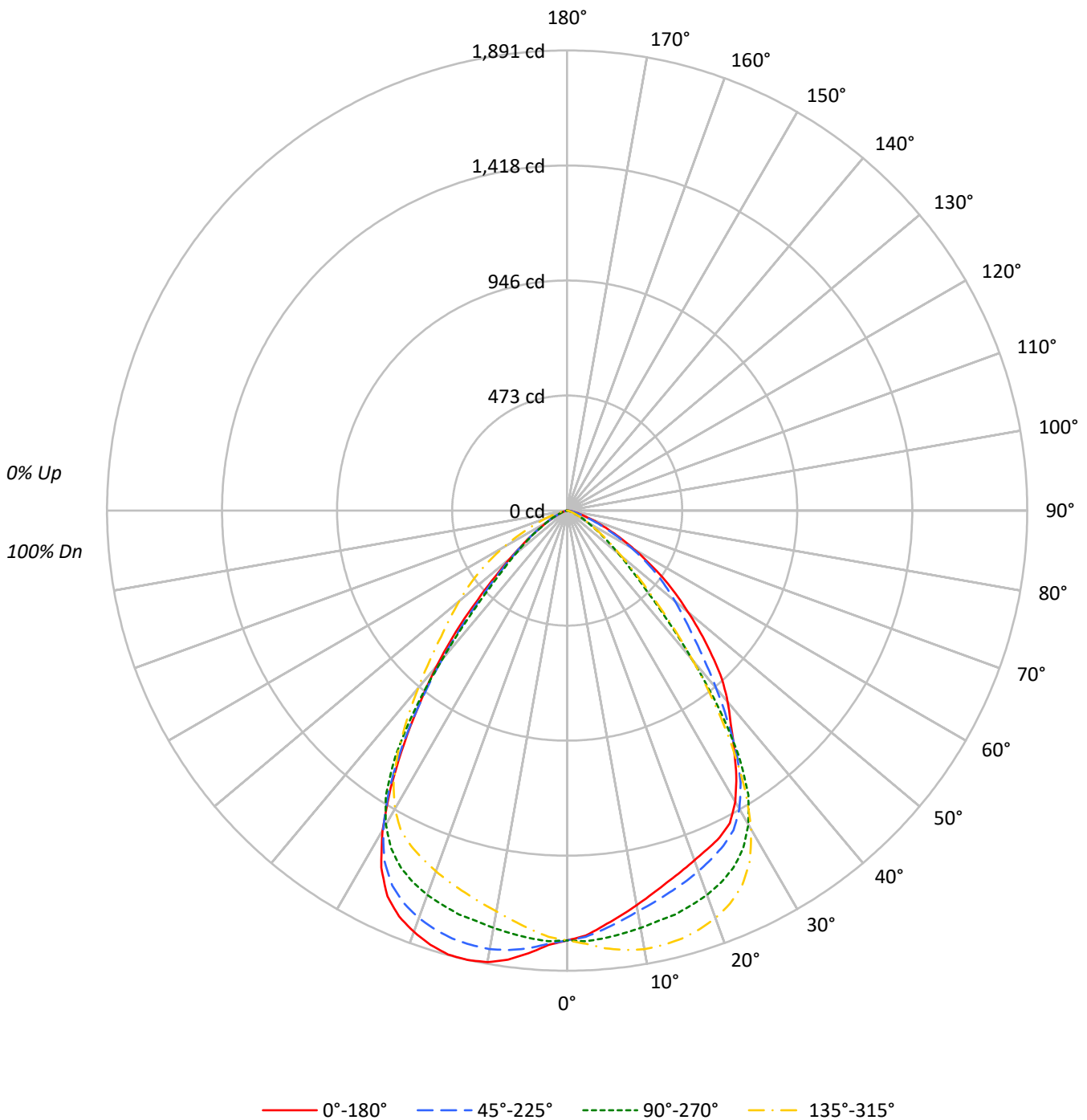
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	54463	54463	54463	54463
5°	53015	54591	56538	54591
10°	51549	54517	59001	54517
15°	50520	54842	60292	54842
20°	50175	55156	60449	55156
25°	50437	55044	59478	55044
30°	49191	53029	53983	53029
35°	44996	46261	43893	46261
40°	41309	32179	33604	32179
45°	36706	19633	22716	19633
50°	31067	13116	14565	13116
55°	25730	8946	9457	8946
60°	19624	5958	6007	5958
65°	13907	3714	3400	3714
70°	10026	2488	2254	2488
75°	6374	1239	1025	1239
80°	4439	923	764	923
85°	3963	0	318	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.1	5.7
10°-20°	486.8	16.4
20°-30°	737.1	24.8
30°-40°	738.8	24.8
40°-50°	463.9	15.6
50°-60°	247.2	8.3
60°-70°	101.7	3.4
70°-80°	26.9	0.9
80°-90°	4.5	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°	1392.0	46.8
0°-40°	2130.8	71.6
0°-60°	2841.9	95.5
0°-90°	2975.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2975.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1766	1766	1766	1766	1766	
5°	1713	1764	1826	1764	1713	162
15°	1582	1718	1889	1718	1582	448
25°	1482	1618	1748	1618	1482	680
35°	1195	1229	1166	1229	1195	749
45°	842	450	521	450	842	647
55°	479	166	176	166	479	427
65°	191	51	47	51	191	198
75°	54	10	9	10	54	61
85°	11	0	1	0	11	12
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°	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2
2.5°	1748.1	1746.3	1745.5	1747.2	1748.1	1751.5	1750.7	1752.4	1752.4	1753.2	1754.9
5°	1712.7	1711.8	1712.7	1712.7	1716.1	1719.6	1718.7	1721.3	1723.0	1727.4	1729.1
7.5°	1679.9	1679.9	1679.1	1682.5	1684.2	1689.4	1688.5	1692.9	1695.5	1699.7	1705.8
10°	1646.3	1646.3	1647.1	1649.7	1650.6	1658.4	1658.4	1664.4	1667.8	1672.2	1679.9
12.5°	1613.5	1613.5	1618.7	1617.0	1620.4	1626.4	1629.0	1635.1	1640.3	1648.9	1656.7
15°	1582.5	1582.5	1584.2	1588.5	1591.1	1598.9	1603.2	1610.1	1616.1	1624.7	1636.0
17.5°	1555.7	1554.9	1555.7	1560.9	1566.1	1573.0	1576.4	1585.1	1591.1	1602.3	1612.7
20°	1529.0	1530.8	1530.8	1535.0	1538.5	1547.1	1550.6	1560.1	1567.0	1577.3	1589.4
22.5°	1505.7	1504.9	1504.9	1510.9	1513.5	1521.2	1524.7	1533.3	1541.1	1549.7	1560.9
25°	1482.4	1480.7	1484.2	1485.0	1486.7	1495.4	1498.0	1504.0	1511.8	1519.5	1530.8
27.5°	1447.9	1446.2	1447.1	1450.5	1453.1	1460.0	1461.7	1467.8	1473.8	1480.7	1490.2
30°	1381.5	1379.8	1379.0	1385.0	1387.6	1392.7	1395.3	1405.7	1407.4	1415.2	1422.1
32.5°	1293.6	1292.7	1294.5	1299.6	1302.2	1309.1	1312.6	1318.6	1322.9	1327.2	1334.1
35°	1195.3	1193.5	1195.3	1200.5	1200.5	1206.5	1209.1	1211.6	1210.8	1211.6	1209.9
37.5°	1103.9	1103.0	1103.9	1106.4	1103.9	1106.4	1103.9	1098.7	1089.2	1078.8	1068.5
40°	1026.2	1027.1	1021.9	1025.4	1015.9	1014.2	1004.7	991.7	972.8	952.1	922.8
42.5°	943.5	940.9	937.4	939.1	931.4	925.3	909.8	893.4	869.3	834.8	799.4
45°	841.7	840.8	839.1	838.2	833.1	827.0	814.1	795.1	768.4	733.0	690.8
47.5°	742.5	739.9	739.9	740.8	734.7	733.9	723.5	707.2	683.9	649.4	605.4
50°	647.6	646.8	648.5	652.0	647.6	645.9	639.0	627.8	607.1	577.8	536.4
52.5°	562.3	561.4	563.2	567.4	565.7	567.4	560.6	551.9	538.1	509.7	473.5
55°	478.6	478.6	478.6	483.8	483.8	483.8	480.3	475.2	462.2	441.5	407.9
57.5°	391.5	392.4	397.6	398.4	397.6	399.3	398.4	393.2	384.6	370.0	344.1
60°	318.2	318.2	320.8	323.4	322.5	323.4	323.4	320.8	312.2	300.1	279.4
62.5°	251.8	254.4	252.7	254.4	257.8	254.4	252.7	251.0	244.9	237.2	219.9
65°	190.6	192.3	192.3	193.2	191.4	192.3	188.9	186.3	182.8	174.2	163.0
67.5°	144.9	144.9	144.9	144.9	144.0	143.2	142.3	139.7	133.7	130.2	118.1
70°	111.2	106.1	106.1	106.1	106.1	107.0	104.4	100.9	99.2	93.1	84.5
72.5°	74.2	75.9	74.2	74.2	72.4	73.3	69.9	68.1	66.4	63.0	57.8
75°	53.5	49.2	50.9	51.8	49.2	50.9	47.4	44.0	44.0	41.4	38.8
77.5°	34.5	33.7	34.5	35.4	34.5	33.7	31.9	30.2	30.2	29.3	26.7
80°	25.0	24.1	24.1	24.1	23.3	24.1	22.4	22.4	20.7	19.8	18.1
82.5°	16.4	16.4	15.5	16.4	15.5	16.4	13.8	13.8	13.8	12.9	11.2
85°	11.2	9.5	9.5	10.4	8.6	10.4	9.5	8.6	7.8	7.8	6.9
87.5°	5.2	6.0	5.2	6.0	5.2	5.2	6.0	5.2	5.2	3.4	3.4
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°	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2
2.5°	1757.5	1758.4	1758.4	1761.9	1763.6	1764.4	1764.4	1771.3	1768.8	1770.5	1772.2
5°	1732.5	1737.7	1739.4	1739.4	1748.9	1752.4	1755.8	1763.6	1764.4	1769.6	1775.6
7.5°	1708.4	1714.4	1717.9	1725.6	1731.7	1737.7	1748.1	1753.2	1758.4	1765.3	1773.0
10°	1685.1	1692.0	1698.9	1704.9	1714.4	1722.2	1729.1	1741.1	1747.2	1756.7	1767.0
12.5°	1662.7	1672.2	1678.2	1688.5	1698.9	1705.8	1716.1	1727.4	1736.8	1746.3	1758.4
15°	1642.8	1654.1	1661.0	1672.2	1683.4	1692.9	1704.1	1717.9	1724.8	1736.0	1747.2
17.5°	1621.3	1633.4	1642.0	1652.3	1666.1	1676.5	1686.0	1699.7	1708.4	1720.4	1733.4
20°	1598.9	1610.9	1621.3	1631.6	1645.4	1655.8	1667.0	1680.8	1690.3	1702.3	1712.7
22.5°	1572.1	1583.4	1594.5	1606.6	1620.4	1629.0	1642.0	1654.1	1664.4	1675.6	1686.0
25°	1537.6	1551.4	1560.1	1571.3	1582.5	1591.9	1605.8	1617.8	1626.4	1636.8	1646.3
27.5°	1497.1	1507.5	1514.4	1523.8	1535.0	1543.7	1554.0	1566.1	1574.7	1584.2	1591.1
30°	1428.1	1437.6	1443.6	1450.5	1461.7	1469.5	1478.1	1489.3	1495.4	1502.3	1508.3
32.5°	1337.5	1345.3	1348.8	1353.9	1361.7	1369.5	1376.4	1385.9	1388.4	1392.7	1392.7
35°	1206.5	1208.2	1207.3	1209.1	1212.5	1216.8	1222.9	1228.9	1232.3	1232.3	1229.8
37.5°	1053.0	1042.6	1031.4	1022.8	1020.2	1018.5	1021.9	1024.5	1028.0	1029.7	1025.4
40°	893.4	870.2	845.1	822.7	807.2	800.3	797.7	799.4	799.4	805.5	805.5
42.5°	756.3	720.1	683.0	649.4	626.9	609.7	601.9	601.9	602.8	607.1	609.7
45°	642.5	596.8	553.6	516.6	485.5	463.1	452.8	450.2	449.3	451.0	457.1
47.5°	555.4	508.0	463.1	417.4	384.6	362.2	352.7	349.2	345.8	349.2	350.1
50°	487.3	438.1	390.7	345.0	310.5	290.6	278.5	273.4	272.5	272.5	274.2
52.5°	425.1	379.5	332.0	285.5	249.2	230.3	219.0	216.5	213.0	216.5	216.5
55°	366.5	320.8	274.2	230.3	200.1	180.3	169.9	166.4	164.7	167.3	167.3
57.5°	302.7	263.9	220.8	181.1	150.9	137.1	129.3	125.1	124.2	125.9	124.2
60°	248.4	215.6	178.5	142.3	119.0	104.4	98.3	96.6	94.8	96.6	96.6
62.5°	196.6	169.0	138.8	111.2	91.4	81.1	74.2	74.2	73.3	73.3	74.2
65°	145.7	124.2	102.6	79.3	63.8	56.0	50.9	50.9	50.0	50.9	50.0
67.5°	106.1	91.4	74.2	57.8	45.7	41.4	37.9	35.4	37.1	35.4	34.5
70°	77.6	65.5	53.5	44.0	35.4	31.1	28.5	27.6	25.9	25.9	25.9
72.5°	51.8	44.0	36.2	28.5	23.3	19.0	18.1	16.4	14.7	15.5	17.3
75°	34.5	29.3	25.9	20.7	15.5	15.5	10.4	10.4	8.6	10.4	7.8
77.5°	24.1	19.8	15.5	12.9	10.4	9.5	6.9	6.9	6.0	6.0	6.0
80°	17.3	14.7	11.2	9.5	6.9	6.9	6.0	5.2	4.3	4.3	5.2
82.5°	10.4	7.8	7.8	6.9	4.3	3.4	2.6	3.4	1.7	1.7	1.7
85°	6.0	5.2	4.3	2.6	1.7	1.7	0.9	0.0	0.9	0.9	0.0
87.5°	3.4	1.7	1.7	0.9	0.0	0.9	0.9	0.0	0.0	0.0	1.7
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2
2.5°	1776.5	1775.6	1777.4	1777.4	1782.6	1781.7	1784.3	1784.3	1782.6	1783.4	1786.9
5°	1782.6	1785.2	1790.3	1794.6	1802.4	1805.8	1810.1	1814.5	1815.3	1817.9	1820.5
7.5°	1782.6	1791.2	1797.2	1805.0	1815.3	1821.4	1830.8	1838.6	1842.1	1846.3	1851.5
10°	1779.1	1787.7	1798.9	1807.6	1820.5	1830.0	1839.5	1851.5	1856.7	1863.6	1870.5
12.5°	1772.2	1781.7	1793.7	1805.0	1819.6	1828.2	1840.3	1851.5	1859.3	1868.8	1876.6
15°	1761.9	1773.0	1784.3	1795.5	1811.0	1821.4	1832.6	1845.5	1853.3	1863.6	1870.5
17.5°	1745.5	1757.5	1767.9	1778.2	1792.9	1805.0	1815.3	1827.4	1835.2	1843.8	1853.3
20°	1725.6	1736.8	1748.1	1756.7	1771.3	1781.7	1792.9	1804.1	1810.1	1811.9	1826.5
22.5°	1700.6	1708.4	1717.0	1730.8	1739.4	1748.9	1759.3	1769.6	1775.6	1785.2	1790.3
25°	1659.2	1667.0	1676.5	1682.5	1692.9	1700.6	1711.0	1722.2	1725.6	1732.5	1737.7
27.5°	1601.5	1605.8	1610.1	1615.2	1621.3	1625.6	1631.6	1636.8	1640.3	1643.7	1647.1
30°	1510.0	1510.0	1510.0	1506.6	1509.2	1511.8	1512.6	1511.8	1511.8	1510.9	1510.9
32.5°	1389.3	1382.4	1374.6	1367.8	1365.2	1361.7	1360.0	1357.4	1353.1	1350.5	1351.4
35°	1226.3	1210.8	1201.3	1192.7	1185.8	1180.6	1178.0	1175.4	1174.6	1171.1	1167.7
37.5°	1022.8	1011.6	1004.7	999.5	993.5	988.3	989.1	990.0	992.6	990.9	991.7
40°	807.2	804.6	807.2	801.2	799.4	801.2	805.5	811.5	815.0	818.4	824.4
42.5°	614.0	618.3	624.4	624.4	626.9	630.4	635.6	645.1	650.2	656.3	663.2
45°	462.2	467.4	475.2	477.7	479.5	483.8	489.9	497.6	501.0	506.2	512.2
47.5°	356.2	359.6	363.9	368.2	372.5	374.3	380.3	380.3	384.6	388.1	389.8
50°	277.7	281.1	284.6	287.2	288.9	291.5	293.2	295.8	296.6	298.4	299.2
52.5°	217.3	221.6	221.6	223.3	225.9	228.5	227.7	228.5	229.4	229.4	232.0
55°	169.9	169.9	172.5	172.5	174.2	173.3	174.2	174.2	174.2	174.2	175.1
57.5°	126.8	127.6	130.2	128.5	127.6	129.3	127.6	129.3	128.5	130.2	127.6
60°	97.4	97.4	98.3	98.3	99.2	99.2	99.2	98.3	98.3	97.4	97.4
62.5°	73.3	74.2	75.0	74.2	74.2	74.2	73.3	73.3	72.4	71.6	71.6
65°	49.2	48.3	50.0	48.3	49.2	49.2	48.3	49.2	46.6	47.4	46.6
67.5°	35.4	34.5	33.7	34.5	33.7	32.8	32.8	33.7	34.5	31.9	31.9
70°	23.3	24.1	23.3	24.1	25.0	25.0	24.1	23.3	24.1	22.4	23.3
72.5°	14.7	14.7	14.7	14.7	14.7	15.5	15.5	15.5	13.8	13.8	12.9
75°	6.9	9.5	7.8	6.9	9.5	9.5	8.6	8.6	7.8	7.8	7.8
77.5°	6.9	5.2	5.2	5.2	5.2	5.2	5.2	5.2	4.3	5.2	4.3
80°	3.4	3.4	3.4	2.6	3.4	3.4	4.3	3.4	3.4	2.6	4.3
82.5°	1.7	1.7	1.7	0.0	0.9	1.7	1.7	0.9	1.7	1.7	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: P244527

CATALOG NUMBER: LSR8B30D010 EC8B30830 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2
2.5°	1786.0	1785.2	1786.0	1786.9	1786.0	1785.2	1786.0	1786.9	1783.4	1782.6	1784.3
5°	1824.0	1824.0	1825.7	1826.5	1825.7	1824.0	1824.0	1820.5	1817.9	1815.3	1814.5
7.5°	1856.7	1858.5	1860.2	1861.0	1860.2	1858.5	1856.7	1851.5	1846.3	1842.1	1838.6
10°	1876.6	1879.1	1882.6	1884.3	1882.6	1879.1	1876.6	1870.5	1863.6	1856.7	1851.5
12.5°	1885.2	1887.8	1892.1	1891.2	1892.1	1887.8	1885.2	1876.6	1868.8	1859.3	1851.5
15°	1879.1	1882.6	1886.9	1888.6	1886.9	1882.6	1879.1	1870.5	1863.6	1853.3	1845.5
17.5°	1860.2	1865.3	1867.9	1870.5	1867.9	1865.3	1860.2	1853.3	1843.8	1835.2	1827.4
20°	1834.3	1837.8	1841.2	1842.1	1841.2	1837.8	1834.3	1826.5	1811.9	1810.1	1804.1
22.5°	1797.2	1799.8	1807.6	1805.0	1807.6	1799.8	1797.2	1790.3	1785.2	1775.6	1769.6
25°	1743.7	1746.3	1747.2	1748.1	1747.2	1746.3	1743.7	1737.7	1732.5	1725.6	1722.2
27.5°	1651.5	1651.5	1653.2	1654.1	1653.2	1651.5	1651.5	1647.1	1643.7	1640.3	1636.8
30°	1511.8	1511.8	1511.8	1516.1	1511.8	1511.8	1511.8	1510.9	1510.9	1511.8	1511.8
32.5°	1350.5	1348.8	1347.1	1348.8	1347.1	1348.8	1350.5	1351.4	1350.5	1353.1	1357.4
35°	1167.7	1166.8	1169.4	1166.0	1169.4	1166.8	1167.7	1167.7	1171.1	1174.6	1175.4
37.5°	992.6	990.9	994.3	990.9	994.3	990.9	992.6	991.7	990.9	992.6	990.0
40°	826.2	827.9	827.9	834.8	827.9	827.9	826.2	824.4	818.4	815.0	811.5
42.5°	666.6	671.8	670.1	675.2	670.1	671.8	666.6	663.2	656.3	650.2	645.1
45°	515.7	519.2	519.2	520.9	519.2	519.2	515.7	512.2	506.2	501.0	497.6
47.5°	395.8	395.8	395.8	396.7	395.8	395.8	395.8	389.8	388.1	384.6	380.3
50°	301.0	301.8	302.7	303.6	302.7	301.8	301.0	299.2	298.4	296.6	295.8
52.5°	231.1	232.0	230.3	232.0	230.3	232.0	231.1	232.0	229.4	229.4	228.5
55°	175.1	174.2	175.1	175.9	175.1	174.2	175.1	175.1	174.2	174.2	174.2
57.5°	128.5	126.8	126.8	126.8	126.8	126.8	128.5	127.6	130.2	128.5	129.3
60°	95.7	96.6	96.6	97.4	96.6	96.6	95.7	97.4	97.4	98.3	98.3
62.5°	70.7	73.3	71.6	73.3	71.6	73.3	70.7	71.6	71.6	72.4	73.3
65°	45.7	45.7	45.7	46.6	45.7	45.7	45.7	46.6	47.4	46.6	49.2
67.5°	31.1	31.9	33.7	32.8	33.7	31.9	31.1	31.9	31.9	34.5	33.7
70°	25.0	22.4	22.4	25.0	22.4	22.4	25.0	23.3	22.4	24.1	23.3
72.5°	14.7	12.9	14.7	14.7	14.7	12.9	14.7	12.9	13.8	13.8	15.5
75°	7.8	6.9	6.0	8.6	6.0	6.9	7.8	7.8	7.8	7.8	8.6
77.5°	5.2	4.3	6.0	6.0	6.0	4.3	5.2	4.3	5.2	4.3	5.2
80°	2.6	3.4	2.6	4.3	2.6	3.4	2.6	4.3	2.6	3.4	3.4
82.5°	0.9	1.7	1.7	1.7	1.7	1.7	0.9	0.9	1.7	1.7	0.9
85°	0.0	1.7	0.9	0.9	0.9	1.7	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: P244527

CATALOG NUMBER: LSR8B30D010 EC8B30830 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2
2.5°	1784.3	1781.7	1782.6	1777.4	1777.4	1775.6	1776.5	1772.2	1770.5	1768.8	1771.3
5°	1810.1	1805.8	1802.4	1794.6	1790.3	1785.2	1782.6	1775.6	1769.6	1764.4	1763.6
7.5°	1830.8	1821.4	1815.3	1805.0	1797.2	1791.2	1782.6	1773.0	1765.3	1758.4	1753.2
10°	1839.5	1830.0	1820.5	1807.6	1798.9	1787.7	1779.1	1767.0	1756.7	1747.2	1741.1
12.5°	1840.3	1828.2	1819.6	1805.0	1793.7	1781.7	1772.2	1758.4	1746.3	1736.8	1727.4
15°	1832.6	1821.4	1811.0	1795.5	1784.3	1773.0	1761.9	1747.2	1736.0	1724.8	1717.9
17.5°	1815.3	1805.0	1792.9	1778.2	1767.9	1757.5	1745.5	1733.4	1720.4	1708.4	1699.7
20°	1792.9	1781.7	1771.3	1756.7	1748.1	1736.8	1725.6	1712.7	1702.3	1690.3	1680.8
22.5°	1759.3	1748.9	1739.4	1730.8	1717.0	1708.4	1700.6	1686.0	1675.6	1664.4	1654.1
25°	1711.0	1700.6	1692.9	1682.5	1676.5	1667.0	1659.2	1646.3	1636.8	1626.4	1617.8
27.5°	1631.6	1625.6	1621.3	1615.2	1610.1	1605.8	1601.5	1591.1	1584.2	1574.7	1566.1
30°	1512.6	1511.8	1509.2	1506.6	1510.0	1510.0	1510.0	1508.3	1502.3	1495.4	1489.3
32.5°	1360.0	1361.7	1365.2	1367.8	1374.6	1382.4	1389.3	1392.7	1392.7	1388.4	1385.9
35°	1178.0	1180.6	1185.8	1192.7	1201.3	1210.8	1226.3	1229.8	1232.3	1232.3	1228.9
37.5°	989.1	988.3	993.5	999.5	1004.7	1011.6	1022.8	1025.4	1029.7	1028.0	1024.5
40°	805.5	801.2	799.4	801.2	807.2	804.6	807.2	805.5	805.5	799.4	799.4
42.5°	635.6	630.4	626.9	624.4	624.4	618.3	614.0	609.7	607.1	602.8	601.9
45°	489.9	483.8	479.5	477.7	475.2	467.4	462.2	457.1	451.0	449.3	450.2
47.5°	380.3	374.3	372.5	368.2	363.9	359.6	356.2	350.1	349.2	345.8	349.2
50°	293.2	291.5	288.9	287.2	284.6	281.1	277.7	274.2	272.5	272.5	273.4
52.5°	227.7	228.5	225.9	223.3	221.6	221.6	217.3	216.5	216.5	213.0	216.5
55°	174.2	173.3	174.2	172.5	172.5	169.9	169.9	167.3	167.3	164.7	166.4
57.5°	127.6	129.3	127.6	128.5	130.2	127.6	126.8	124.2	125.9	124.2	125.1
60°	99.2	99.2	99.2	98.3	98.3	97.4	97.4	96.6	96.6	94.8	96.6
62.5°	73.3	74.2	74.2	74.2	75.0	74.2	73.3	74.2	73.3	73.3	74.2
65°	48.3	49.2	49.2	48.3	50.0	48.3	49.2	50.0	50.9	50.0	50.9
67.5°	32.8	32.8	33.7	34.5	33.7	34.5	35.4	34.5	35.4	37.1	35.4
70°	24.1	25.0	25.0	24.1	23.3	24.1	23.3	25.9	25.9	25.9	27.6
72.5°	15.5	15.5	14.7	14.7	14.7	14.7	14.7	17.3	15.5	14.7	16.4
75°	8.6	9.5	9.5	6.9	7.8	9.5	6.9	7.8	10.4	8.6	10.4
77.5°	5.2	5.2	5.2	5.2	5.2	5.2	6.9	6.0	6.0	6.0	6.9
80°	4.3	3.4	3.4	2.6	3.4	3.4	3.4	5.2	4.3	4.3	5.2
82.5°	1.7	1.7	0.9	0.0	1.7	1.7	1.7	1.7	1.7	1.7	3.4
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	1.7	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: P244527

CATALOG NUMBER: LSR8B30D010 EC8B30830 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2
2.5°	1764.4	1764.4	1763.6	1761.9	1758.4	1758.4	1757.5	1754.9	1753.2	1752.4	1752.4
5°	1755.8	1752.4	1748.9	1739.4	1739.4	1737.7	1732.5	1729.1	1727.4	1723.0	1721.3
7.5°	1748.1	1737.7	1731.7	1725.6	1717.9	1714.4	1708.4	1705.8	1699.7	1695.5	1692.9
10°	1729.1	1722.2	1714.4	1704.9	1698.9	1692.0	1685.1	1679.9	1672.2	1667.8	1664.4
12.5°	1716.1	1705.8	1698.9	1688.5	1678.2	1672.2	1662.7	1656.7	1648.9	1640.3	1635.1
15°	1704.1	1692.9	1683.4	1672.2	1661.0	1654.1	1642.8	1636.0	1624.7	1616.1	1610.1
17.5°	1686.0	1676.5	1666.1	1652.3	1642.0	1633.4	1621.3	1612.7	1602.3	1591.1	1585.1
20°	1667.0	1655.8	1645.4	1631.6	1621.3	1610.9	1598.9	1589.4	1577.3	1567.0	1560.1
22.5°	1642.0	1629.0	1620.4	1606.6	1594.5	1583.4	1572.1	1560.9	1549.7	1541.1	1533.3
25°	1605.8	1591.9	1582.5	1571.3	1560.1	1551.4	1537.6	1530.8	1519.5	1511.8	1504.0
27.5°	1554.0	1543.7	1535.0	1523.8	1514.4	1507.5	1497.1	1490.2	1480.7	1473.8	1467.8
30°	1478.1	1469.5	1461.7	1450.5	1443.6	1437.6	1428.1	1422.1	1415.2	1407.4	1405.7
32.5°	1376.4	1369.5	1361.7	1353.9	1348.8	1345.3	1337.5	1334.1	1327.2	1322.9	1318.6
35°	1222.9	1216.8	1212.5	1209.1	1207.3	1208.2	1206.5	1209.9	1211.6	1210.8	1211.6
37.5°	1021.9	1018.5	1020.2	1022.8	1031.4	1042.6	1053.0	1068.5	1078.8	1089.2	1098.7
40°	797.7	800.3	807.2	822.7	845.1	870.2	893.4	922.8	952.1	972.8	991.7
42.5°	601.9	609.7	626.9	649.4	683.0	720.1	756.3	799.4	834.8	869.3	893.4
45°	452.8	463.1	485.5	516.6	553.6	596.8	642.5	690.8	733.0	768.4	795.1
47.5°	352.7	362.2	384.6	417.4	463.1	508.0	555.4	605.4	649.4	683.9	707.2
50°	278.5	290.6	310.5	345.0	390.7	438.1	487.3	536.4	577.8	607.1	627.8
52.5°	219.0	230.3	249.2	285.5	332.0	379.5	425.1	473.5	509.7	538.1	551.9
55°	169.9	180.3	200.1	230.3	274.2	320.8	366.5	407.9	441.5	462.2	475.2
57.5°	129.3	137.1	150.9	181.1	220.8	263.9	302.7	344.1	370.0	384.6	393.2
60°	98.3	104.4	119.0	142.3	178.5	215.6	248.4	279.4	300.1	312.2	320.8
62.5°	74.2	81.1	91.4	111.2	138.8	169.0	196.6	219.9	237.2	244.9	251.0
65°	50.9	56.0	63.8	79.3	102.6	124.2	145.7	163.0	174.2	182.8	186.3
67.5°	37.9	41.4	45.7	57.8	74.2	91.4	106.1	118.1	130.2	133.7	139.7
70°	28.5	31.1	35.4	44.0	53.5	65.5	77.6	84.5	93.1	99.2	100.9
72.5°	18.1	19.0	23.3	28.5	36.2	44.0	51.8	57.8	63.0	66.4	68.1
75°	10.4	15.5	15.5	20.7	25.9	29.3	34.5	38.8	41.4	44.0	44.0
77.5°	6.9	9.5	10.4	12.9	15.5	19.8	24.1	26.7	29.3	30.2	30.2
80°	6.0	6.9	6.9	9.5	11.2	14.7	17.3	18.1	19.8	20.7	22.4
82.5°	2.6	3.4	4.3	6.9	7.8	7.8	10.4	11.2	12.9	13.8	13.8
85°	0.9	1.7	1.7	2.6	4.3	5.2	6.0	6.9	7.8	7.8	8.6
87.5°	0.9	0.9	0.0	0.9	1.7	1.7	3.4	3.4	3.4	5.2	5.2
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: P244527

CATALOG NUMBER: LSR8B30D010 EC8B30830 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2
2.5°	1750.7	1751.5	1748.1	1747.2	1745.5	1746.3	1748.1
5°	1718.7	1719.6	1716.1	1712.7	1712.7	1711.8	1712.7
7.5°	1688.5	1689.4	1684.2	1682.5	1679.1	1679.9	1679.9
10°	1658.4	1658.4	1650.6	1649.7	1647.1	1646.3	1646.3
12.5°	1629.0	1626.4	1620.4	1617.0	1618.7	1613.5	1613.5
15°	1603.2	1598.9	1591.1	1588.5	1584.2	1582.5	1582.5
17.5°	1576.4	1573.0	1566.1	1560.9	1555.7	1554.9	1555.7
20°	1550.6	1547.1	1538.5	1535.0	1530.8	1530.8	1529.0
22.5°	1524.7	1521.2	1513.5	1510.9	1504.9	1504.9	1505.7
25°	1498.0	1495.4	1486.7	1485.0	1484.2	1480.7	1482.4
27.5°	1461.7	1460.0	1453.1	1450.5	1447.1	1446.2	1447.9
30°	1395.3	1392.7	1387.6	1385.0	1379.0	1379.8	1381.5
32.5°	1312.6	1309.1	1302.2	1299.6	1294.5	1292.7	1293.6
35°	1209.1	1206.5	1200.5	1200.5	1195.3	1193.5	1195.3
37.5°	1103.9	1106.4	1103.9	1106.4	1103.9	1103.0	1103.9
40°	1004.7	1014.2	1015.9	1025.4	1021.9	1027.1	1026.2
42.5°	909.8	925.3	931.4	939.1	937.4	940.9	943.5
45°	814.1	827.0	833.1	838.2	839.1	840.8	841.7
47.5°	723.5	733.9	734.7	740.8	739.9	739.9	742.5
50°	639.0	645.9	647.6	652.0	648.5	646.8	647.6
52.5°	560.6	567.4	565.7	567.4	563.2	561.4	562.3
55°	480.3	483.8	483.8	483.8	478.6	478.6	478.6
57.5°	398.4	399.3	397.6	398.4	397.6	392.4	391.5
60°	323.4	323.4	322.5	323.4	320.8	318.2	318.2
62.5°	252.7	254.4	257.8	254.4	252.7	254.4	251.8
65°	188.9	192.3	191.4	193.2	192.3	192.3	190.6
67.5°	142.3	143.2	144.0	144.9	144.9	144.9	144.9
70°	104.4	107.0	106.1	106.1	106.1	106.1	111.2
72.5°	69.9	73.3	72.4	74.2	74.2	75.9	74.2
75°	47.4	50.9	49.2	51.8	50.9	49.2	53.5
77.5°	31.9	33.7	34.5	35.4	34.5	33.7	34.5
80°	22.4	24.1	23.3	24.1	24.1	24.1	25.0
82.5°	13.8	16.4	15.5	16.4	15.5	16.4	16.4
85°	9.5	10.4	8.6	10.4	9.5	9.5	11.2
87.5°	6.0	5.2	5.2	6.0	5.2	6.0	5.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)