

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: P245961

Luminaire Tested: **LSR8B30D010 EC8B30827 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245961
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 EC8B30827 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2872.0 lumens
Efficiency: N/A
Efficacy: 106.0 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

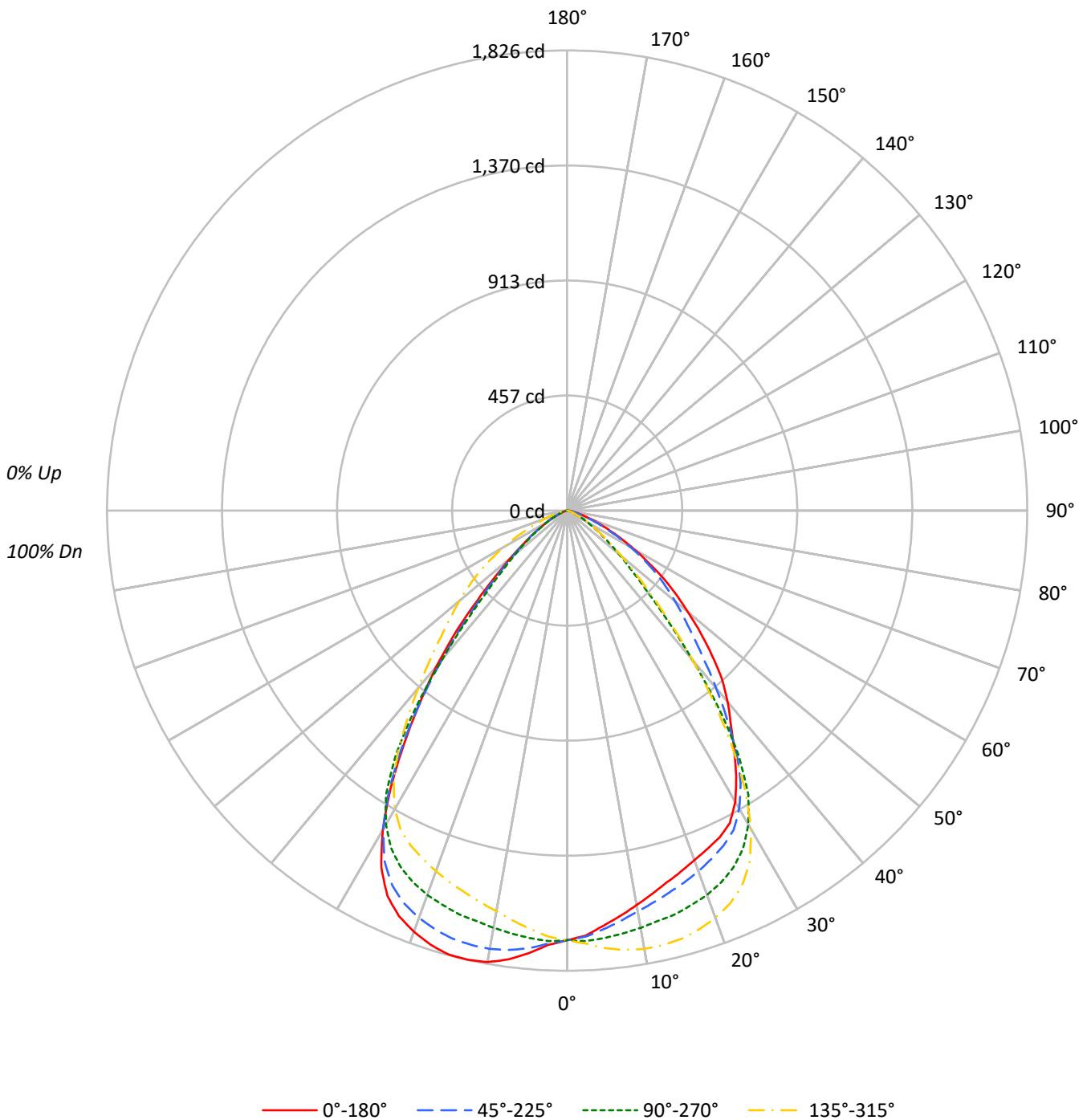
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P245961

CATALOG NUMBER: LSR8B30D010 EC8B30827 8LBSW0MW

Luminous Intensity Polar Plot





TEST NUMBER: P245961

CATALOG NUMBER: LSR8B30D010 EC8B30827 8LBSW0MW

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°	52576	52576	52576	52576
5°	51180	52699	54581	52699
10°	49764	52632	56960	52632
15°	48770	52943	58204	52943
20°	48439	53246	58355	53246
25°	48692	53139	57416	53139
30°	47489	51195	52114	51195
35°	43438	44657	42372	44657
40°	39880	31064	32441	31064
45°	35437	18953	21927	18953
50°	29993	12660	14061	12660
55°	24843	8639	9129	8639
60°	18946	5748	5803	5748
65°	13426	3583	3283	3583
70°	9683	2398	2182	2398
75°	6148	1191	989	1191
80°	4297	888	728	888
85°	3821	0	283	0



TEST NUMBER: P245961

CATALOG NUMBER: LSR8B30D010 EC8B30827 8LBSW0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.3	5.7
10°-20°	469.9	16.4
20°-30°	711.6	24.8
30°-40°	713.2	24.8
40°-50°	447.9	15.6
50°-60°	238.7	8.3
60°-70°	98.1	3.4
70°-80°	25.9	0.9
80°-90°	4.4	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°	1343.8	46.8
0°-40°	2057.0	71.6
0°-60°	2743.5	95.5
0°-90°	2872.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2872.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1705	1705	1705	1705	1705	
5°	1653	1702	1763	1702	1653	156
15°	1528	1658	1823	1658	1528	432
25°	1431	1562	1688	1562	1431	656
35°	1154	1186	1126	1186	1154	723
45°	813	435	503	435	813	625
55°	462	161	170	161	462	412
65°	184	49	45	49	184	191
75°	52	10	8	10	52	58
85°	11	0	1	0	11	12
90°	0	0	0	0	0	



TEST NUMBER: P245961

CATALOG NUMBER: LSR8B30D010 EC8B30827 8LBSW0MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0
2.5°	1687.5	1685.9	1685.0	1686.7	1687.5	1690.9	1690.0	1691.7	1691.7	1692.5	1694.2
5°	1653.4	1652.6	1653.4	1653.4	1656.7	1660.1	1659.2	1661.7	1663.4	1667.6	1669.2
7.5°	1621.8	1621.8	1620.9	1624.2	1625.9	1630.9	1630.1	1634.3	1636.8	1640.9	1646.7
10°	1589.3	1589.3	1590.1	1592.6	1593.5	1600.9	1600.9	1606.8	1610.1	1614.3	1621.8
12.5°	1557.7	1557.7	1562.7	1561.0	1564.3	1570.1	1572.6	1578.5	1583.5	1591.8	1599.3
15°	1527.7	1527.7	1529.4	1533.5	1536.0	1543.5	1547.7	1554.3	1560.2	1568.5	1579.3
17.5°	1501.9	1501.1	1501.9	1506.9	1511.9	1518.5	1521.9	1530.2	1536.0	1546.8	1556.8
20°	1476.1	1477.8	1477.8	1481.9	1485.2	1493.6	1496.9	1506.1	1512.7	1522.7	1534.4
22.5°	1453.6	1452.8	1452.8	1458.6	1461.1	1468.6	1471.9	1480.2	1487.7	1496.1	1506.9
25°	1431.1	1429.4	1432.8	1433.6	1435.3	1443.6	1446.1	1451.9	1459.4	1466.9	1477.8
27.5°	1397.8	1396.2	1397.0	1400.3	1402.8	1409.5	1411.1	1417.0	1422.8	1429.4	1438.6
30°	1333.7	1332.0	1331.2	1337.1	1339.6	1344.5	1347.0	1357.0	1358.7	1366.2	1372.8
32.5°	1248.8	1248.0	1249.6	1254.6	1257.1	1263.8	1267.1	1272.9	1277.1	1281.3	1287.9
35°	1153.9	1152.2	1153.9	1158.9	1158.9	1164.7	1167.2	1169.7	1168.9	1169.7	1168.0
37.5°	1065.7	1064.8	1065.7	1068.1	1065.7	1068.1	1065.7	1060.6	1051.5	1041.5	1031.5
40°	990.7	991.5	986.6	989.9	980.7	979.1	969.9	957.4	939.1	919.1	890.8
42.5°	910.8	908.3	905.0	906.6	899.1	893.3	878.3	862.5	839.2	805.9	771.7
45°	812.6	811.7	810.1	809.2	804.2	798.4	785.9	767.6	741.8	707.7	666.8
47.5°	716.8	714.3	714.3	715.1	709.3	708.5	698.5	682.7	660.2	626.9	584.4
50°	625.2	624.4	626.1	629.4	625.2	623.6	616.9	606.1	586.1	557.8	517.8
52.5°	542.8	542.0	543.7	547.8	546.1	547.8	541.2	532.8	519.5	492.0	457.1
55°	462.1	462.1	462.1	467.0	467.0	467.0	463.7	458.7	446.2	426.3	393.8
57.5°	378.0	378.8	383.8	384.6	383.8	385.5	384.6	379.6	371.3	357.2	332.2
60°	307.2	307.2	309.7	312.2	311.4	312.2	312.2	309.7	301.4	289.7	269.8
62.5°	243.1	245.6	243.9	245.6	248.9	245.6	243.9	242.3	236.4	228.9	212.3
65°	184.0	185.7	185.7	186.5	184.8	185.7	182.3	179.8	176.5	168.2	157.4
67.5°	139.9	139.9	139.9	139.9	139.0	138.2	137.4	134.9	129.1	125.7	114.0
70°	107.4	102.4	102.4	102.4	102.4	103.2	100.7	97.4	95.7	89.9	81.6
72.5°	71.6	73.3	71.6	71.6	69.9	70.8	67.4	65.8	64.1	60.8	55.8
75°	51.6	47.5	49.1	50.0	47.5	49.1	45.8	42.5	42.5	40.0	37.5
77.5°	33.3	32.5	33.3	34.1	33.3	32.5	30.8	29.1	29.1	28.3	25.8
80°	24.2	23.3	23.3	23.3	22.5	23.3	21.7	21.7	20.0	19.2	17.5
82.5°	15.8	15.8	15.0	15.8	15.0	15.8	13.3	13.3	13.3	12.5	10.8
85°	10.8	9.1	9.1	10.0	8.3	10.0	9.1	8.3	7.5	7.5	6.6
87.5°	5.0	5.8	5.0	5.8	5.0	5.0	5.8	5.0	5.0	3.3	3.3
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: P245961

CATALOG NUMBER: LSR8B30D010 EC8B30827 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0
2.5°	1696.7	1697.5	1697.5	1700.9	1702.5	1703.3	1703.3	1710.0	1707.5	1709.2	1710.8
5°	1672.6	1677.5	1679.2	1679.2	1688.4	1691.7	1695.0	1702.5	1703.3	1708.3	1714.2
7.5°	1649.2	1655.1	1658.4	1665.9	1671.7	1677.5	1687.5	1692.5	1697.5	1704.2	1711.7
10°	1626.7	1633.4	1640.1	1645.9	1655.1	1662.6	1669.2	1680.9	1686.7	1695.9	1705.8
12.5°	1605.1	1614.3	1620.1	1630.1	1640.1	1646.7	1656.7	1667.6	1676.7	1685.9	1697.5
15°	1586.0	1596.8	1603.4	1614.3	1625.1	1634.3	1645.1	1658.4	1665.1	1675.9	1686.7
17.5°	1565.1	1576.8	1585.1	1595.1	1608.4	1618.4	1627.6	1640.9	1649.2	1660.9	1673.4
20°	1543.5	1555.2	1565.1	1575.1	1588.5	1598.4	1609.3	1622.6	1631.8	1643.4	1653.4
22.5°	1517.7	1528.5	1539.3	1551.0	1564.3	1572.6	1585.1	1596.8	1606.8	1617.6	1627.6
25°	1484.4	1497.7	1506.1	1516.9	1527.7	1536.8	1550.2	1561.8	1570.1	1580.1	1589.3
27.5°	1445.3	1455.3	1461.9	1471.1	1481.9	1490.2	1500.2	1511.9	1520.2	1529.4	1536.0
30°	1378.7	1387.8	1393.7	1400.3	1411.1	1418.6	1427.0	1437.8	1443.6	1450.3	1456.1
32.5°	1291.2	1298.7	1302.1	1307.1	1314.6	1322.0	1328.7	1337.9	1340.4	1344.5	1344.5
35°	1164.7	1166.4	1165.5	1167.2	1170.5	1174.7	1180.5	1186.3	1189.7	1189.7	1187.2
37.5°	1016.5	1006.5	995.7	987.4	984.9	983.2	986.6	989.0	992.4	994.0	989.9
40°	862.5	840.0	815.9	794.2	779.2	772.6	770.1	771.7	771.7	777.6	777.6
42.5°	730.1	695.2	659.4	626.9	605.2	588.6	581.1	581.1	581.9	586.1	588.6
45°	620.2	576.1	534.5	498.7	468.7	447.1	437.1	434.6	433.8	435.4	441.2
47.5°	536.1	490.4	447.1	403.0	371.3	349.7	340.5	337.2	333.8	337.2	338.0
50°	470.4	422.9	377.1	333.0	299.7	280.5	268.9	263.9	263.1	263.1	264.8
52.5°	410.4	366.3	320.5	275.6	240.6	222.3	211.5	209.0	205.6	209.0	209.0
55°	353.8	309.7	264.8	222.3	193.1	174.0	164.0	160.7	159.0	161.5	161.5
57.5°	292.2	254.7	213.1	174.8	145.7	132.4	124.9	120.7	119.9	121.5	119.9
60°	239.8	208.1	172.3	137.4	114.9	100.7	94.9	93.2	91.6	93.2	93.2
62.5°	189.8	163.2	134.0	107.4	88.2	78.3	71.6	71.6	70.8	70.8	71.6
65°	140.7	119.9	99.1	76.6	61.6	54.1	49.1	49.1	48.3	49.1	48.3
67.5°	102.4	88.2	71.6	55.8	44.1	40.0	36.6	34.1	35.8	34.1	33.3
70°	74.9	63.3	51.6	42.5	34.1	30.0	27.5	26.6	25.0	25.0	25.0
72.5°	50.0	42.5	35.0	27.5	22.5	18.3	17.5	15.8	14.2	15.0	16.7
75°	33.3	28.3	25.0	20.0	15.0	15.0	10.0	10.0	8.3	10.0	7.5
77.5°	23.3	19.2	15.0	12.5	10.0	9.1	6.6	6.6	5.8	5.8	5.8
80°	16.7	14.2	10.8	9.1	6.6	6.6	5.8	5.0	4.1	4.1	5.0
82.5°	10.0	7.5	7.5	6.6	4.1	3.3	2.5	3.3	1.7	1.7	1.7
85°	5.8	5.0	4.1	2.5	1.7	1.7	0.8	0.0	0.8	0.8	0.0
87.5°	3.3	1.7	1.7	0.8	0.0	0.8	0.8	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



TEST NUMBER: P245961

CATALOG NUMBER: LSR8B30D010 EC8B30827 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0
2.5°	1715.0	1714.2	1715.8	1715.8	1720.8	1720.0	1722.5	1722.5	1720.8	1721.7	1725.0
5°	1720.8	1723.3	1728.3	1732.5	1740.0	1743.3	1747.5	1751.7	1752.5	1755.0	1757.5
7.5°	1720.8	1729.2	1735.0	1742.5	1752.5	1758.3	1767.5	1775.0	1778.3	1782.4	1787.4
10°	1717.5	1725.8	1736.6	1745.0	1757.5	1766.6	1775.8	1787.4	1792.4	1799.1	1805.8
12.5°	1710.8	1720.0	1731.6	1742.5	1756.6	1764.9	1776.6	1787.4	1794.9	1804.1	1811.6
15°	1700.9	1711.7	1722.5	1733.3	1748.3	1758.3	1769.1	1781.6	1789.1	1799.1	1805.8
17.5°	1685.0	1696.7	1706.7	1716.7	1730.8	1742.5	1752.5	1764.1	1771.6	1780.0	1789.1
20°	1665.9	1676.7	1687.5	1695.9	1710.0	1720.0	1730.8	1741.6	1747.5	1749.2	1763.3
22.5°	1641.8	1649.2	1657.6	1670.9	1679.2	1688.4	1698.4	1708.3	1714.2	1723.3	1728.3
25°	1601.8	1609.3	1618.4	1624.2	1634.3	1641.8	1651.7	1662.6	1665.9	1672.6	1677.5
27.5°	1546.0	1550.2	1554.3	1559.3	1565.1	1569.3	1575.1	1580.1	1583.5	1586.8	1590.1
30°	1457.7	1457.7	1457.7	1454.4	1456.9	1459.4	1460.2	1459.4	1459.4	1458.6	1458.6
32.5°	1341.2	1334.5	1327.0	1320.4	1317.9	1314.6	1312.9	1310.4	1306.2	1303.7	1304.6
35°	1183.8	1168.9	1159.7	1151.4	1144.7	1139.7	1137.2	1134.7	1133.9	1130.6	1127.2
37.5°	987.4	976.6	969.9	964.9	959.1	954.1	954.9	955.8	958.2	956.6	957.4
40°	779.2	776.7	779.2	773.4	771.7	773.4	777.6	783.4	786.7	790.1	795.9
42.5°	592.8	596.9	602.8	602.8	605.2	608.6	613.6	622.7	627.7	633.5	640.2
45°	446.2	451.2	458.7	461.2	462.9	467.0	472.9	480.4	483.7	488.7	494.5
47.5°	343.8	347.2	351.3	355.5	359.6	361.3	367.1	367.1	371.3	374.6	376.3
50°	268.1	271.4	274.7	277.2	278.9	281.4	283.0	285.6	286.4	288.1	288.9
52.5°	209.8	214.0	214.0	215.6	218.1	220.6	219.8	220.6	221.4	221.4	223.9
55°	164.0	164.0	166.5	166.5	168.2	167.3	168.2	168.2	168.2	168.2	169.0
57.5°	122.4	123.2	125.7	124.0	123.2	124.9	123.2	124.9	124.0	125.7	123.2
60°	94.1	94.1	94.9	94.9	95.7	95.7	95.7	94.9	94.9	94.1	94.1
62.5°	70.8	71.6	72.4	71.6	71.6	71.6	70.8	70.8	69.9	69.1	69.1
65°	47.5	46.6	48.3	46.6	47.5	47.5	46.6	47.5	45.0	45.8	45.0
67.5°	34.1	33.3	32.5	33.3	32.5	31.6	31.6	32.5	33.3	30.8	30.8
70°	22.5	23.3	22.5	23.3	24.2	24.2	23.3	22.5	23.3	21.7	22.5
72.5°	14.2	14.2	14.2	14.2	14.2	15.0	15.0	15.0	13.3	13.3	12.5
75°	6.6	9.1	7.5	6.6	9.1	9.1	8.3	8.3	7.5	7.5	7.5
77.5°	6.6	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.1	5.0	4.1
80°	3.3	3.3	3.3	2.5	3.3	3.3	4.1	3.3	3.3	2.5	4.1
82.5°	1.7	1.7	1.7	0.0	0.8	1.7	1.7	0.8	1.7	1.7	0.8
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: P245961

CATALOG NUMBER: LSR8B30D010 EC8B30827 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0
2.5°	1724.2	1723.3	1724.2	1725.0	1724.2	1723.3	1724.2	1725.0	1721.7	1720.8	1722.5
5°	1760.8	1760.8	1762.4	1763.3	1762.4	1760.8	1760.8	1757.5	1755.0	1752.5	1751.7
7.5°	1792.4	1794.1	1795.8	1796.6	1795.8	1794.1	1792.4	1787.4	1782.4	1778.3	1775.0
10°	1811.6	1814.1	1817.4	1819.1	1817.4	1814.1	1811.6	1805.8	1799.1	1792.4	1787.4
12.5°	1819.9	1822.4	1826.6	1825.7	1826.6	1822.4	1819.9	1811.6	1804.1	1794.9	1787.4
15°	1814.1	1817.4	1821.6	1823.2	1821.6	1817.4	1814.1	1805.8	1799.1	1789.1	1781.6
17.5°	1795.8	1800.8	1803.3	1805.8	1803.3	1800.8	1795.8	1789.1	1780.0	1771.6	1764.1
20°	1770.8	1774.1	1777.5	1778.3	1777.5	1774.1	1770.8	1763.3	1749.2	1747.5	1741.6
22.5°	1735.0	1737.5	1745.0	1742.5	1745.0	1737.5	1735.0	1728.3	1723.3	1714.2	1708.3
25°	1683.4	1685.9	1686.7	1687.5	1686.7	1685.9	1683.4	1677.5	1672.6	1665.9	1662.6
27.5°	1594.3	1594.3	1595.9	1596.8	1595.9	1594.3	1594.3	1590.1	1586.8	1583.5	1580.1
30°	1459.4	1459.4	1459.4	1463.6	1459.4	1459.4	1459.4	1458.6	1458.6	1459.4	1459.4
32.5°	1303.7	1302.1	1300.4	1302.1	1300.4	1302.1	1303.7	1304.6	1303.7	1306.2	1310.4
35°	1127.2	1126.4	1128.9	1125.6	1128.9	1126.4	1127.2	1127.2	1130.6	1133.9	1134.7
37.5°	958.2	956.6	959.9	956.6	959.9	956.6	958.2	957.4	956.6	958.2	955.8
40°	797.6	799.2	799.2	805.9	799.2	799.2	797.6	795.9	790.1	786.7	783.4
42.5°	643.5	648.5	646.9	651.9	646.9	648.5	643.5	640.2	633.5	627.7	622.7
45°	497.8	501.2	501.2	502.8	501.2	501.2	497.8	494.5	488.7	483.7	480.4
47.5°	382.1	382.1	382.1	383.0	382.1	382.1	382.1	376.3	374.6	371.3	367.1
50°	290.6	291.4	292.2	293.1	292.2	291.4	290.6	288.9	288.1	286.4	285.6
52.5°	223.1	223.9	222.3	223.9	222.3	223.9	223.1	223.9	221.4	221.4	220.6
55°	169.0	168.2	169.0	169.8	169.0	168.2	169.0	169.0	168.2	168.2	168.2
57.5°	124.0	122.4	122.4	122.4	122.4	122.4	124.0	123.2	125.7	124.0	124.9
60°	92.4	93.2	93.2	94.1	93.2	93.2	92.4	94.1	94.1	94.9	94.9
62.5°	68.3	70.8	69.1	70.8	69.1	70.8	68.3	69.1	69.1	69.9	70.8
65°	44.1	44.1	44.1	45.0	44.1	44.1	44.1	45.0	45.8	45.0	47.5
67.5°	30.0	30.8	32.5	31.6	32.5	30.8	30.0	30.8	30.8	33.3	32.5
70°	24.2	21.7	21.7	24.2	21.7	21.7	24.2	22.5	21.7	23.3	22.5
72.5°	14.2	12.5	14.2	14.2	14.2	12.5	14.2	12.5	13.3	13.3	15.0
75°	7.5	6.6	5.8	8.3	5.8	6.6	7.5	7.5	7.5	7.5	8.3
77.5°	5.0	4.1	5.8	5.8	5.8	4.1	5.0	4.1	5.0	4.1	5.0
80°	2.5	3.3	2.5	4.1	2.5	3.3	2.5	4.1	2.5	3.3	3.3
82.5°	0.8	1.7	1.7	1.7	1.7	1.7	0.8	0.8	1.7	1.7	0.8
85°	0.0	1.7	0.8	0.8	0.8	1.7	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	0.0	0.0	0.8	0.0	0.0	0.8	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: P245961

CATALOG NUMBER: LSR8B30D010 EC8B30827 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0
2.5°	1722.5	1720.0	1720.8	1715.8	1715.8	1714.2	1715.0	1710.8	1709.2	1707.5	1710.0
5°	1747.5	1743.3	1740.0	1732.5	1728.3	1723.3	1720.8	1714.2	1708.3	1703.3	1702.5
7.5°	1767.5	1758.3	1752.5	1742.5	1735.0	1729.2	1720.8	1711.7	1704.2	1697.5	1692.5
10°	1775.8	1766.6	1757.5	1745.0	1736.6	1725.8	1717.5	1705.8	1695.9	1686.7	1680.9
12.5°	1776.6	1764.9	1756.6	1742.5	1731.6	1720.0	1710.8	1697.5	1685.9	1676.7	1667.6
15°	1769.1	1758.3	1748.3	1733.3	1722.5	1711.7	1700.9	1686.7	1675.9	1665.1	1658.4
17.5°	1752.5	1742.5	1730.8	1716.7	1706.7	1696.7	1685.0	1673.4	1660.9	1649.2	1640.9
20°	1730.8	1720.0	1710.0	1695.9	1687.5	1676.7	1665.9	1653.4	1643.4	1631.8	1622.6
22.5°	1698.4	1688.4	1679.2	1670.9	1657.6	1649.2	1641.8	1627.6	1617.6	1606.8	1596.8
25°	1651.7	1641.8	1634.3	1624.2	1618.4	1609.3	1601.8	1589.3	1580.1	1570.1	1561.8
27.5°	1575.1	1569.3	1565.1	1559.3	1554.3	1550.2	1546.0	1536.0	1529.4	1520.2	1511.9
30°	1460.2	1459.4	1456.9	1454.4	1457.7	1457.7	1457.7	1456.1	1450.3	1443.6	1437.8
32.5°	1312.9	1314.6	1317.9	1320.4	1327.0	1334.5	1341.2	1344.5	1344.5	1340.4	1337.9
35°	1137.2	1139.7	1144.7	1151.4	1159.7	1168.9	1183.8	1187.2	1189.7	1189.7	1186.3
37.5°	954.9	954.1	959.1	964.9	969.9	976.6	987.4	989.9	994.0	992.4	989.0
40°	777.6	773.4	771.7	773.4	779.2	776.7	779.2	777.6	777.6	771.7	771.7
42.5°	613.6	608.6	605.2	602.8	602.8	596.9	592.8	588.6	586.1	581.9	581.1
45°	472.9	467.0	462.9	461.2	458.7	451.2	446.2	441.2	435.4	433.8	434.6
47.5°	367.1	361.3	359.6	355.5	351.3	347.2	343.8	338.0	337.2	333.8	337.2
50°	283.0	281.4	278.9	277.2	274.7	271.4	268.1	264.8	263.1	263.1	263.9
52.5°	219.8	220.6	218.1	215.6	214.0	214.0	209.8	209.0	209.0	205.6	209.0
55°	168.2	167.3	168.2	166.5	166.5	164.0	164.0	161.5	161.5	159.0	160.7
57.5°	123.2	124.9	123.2	124.0	125.7	123.2	122.4	119.9	121.5	119.9	120.7
60°	95.7	95.7	95.7	94.9	94.9	94.1	94.1	93.2	93.2	91.6	93.2
62.5°	70.8	71.6	71.6	71.6	72.4	71.6	70.8	71.6	70.8	70.8	71.6
65°	46.6	47.5	47.5	46.6	48.3	46.6	47.5	48.3	49.1	48.3	49.1
67.5°	31.6	31.6	32.5	33.3	32.5	33.3	34.1	33.3	34.1	35.8	34.1
70°	23.3	24.2	24.2	23.3	22.5	23.3	22.5	25.0	25.0	25.0	26.6
72.5°	15.0	15.0	14.2	14.2	14.2	14.2	14.2	16.7	15.0	14.2	15.8
75°	8.3	9.1	9.1	6.6	7.5	9.1	6.6	7.5	10.0	8.3	10.0
77.5°	5.0	5.0	5.0	5.0	5.0	5.0	6.6	5.8	5.8	5.8	6.6
80°	4.1	3.3	3.3	2.5	3.3	3.3	3.3	5.0	4.1	4.1	5.0
82.5°	1.7	1.7	0.8	0.0	1.7	1.7	1.7	1.7	1.7	1.7	3.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	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: P245961

CATALOG NUMBER: LSR8B30D010 EC8B30827 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0
2.5°	1703.3	1703.3	1702.5	1700.9	1697.5	1697.5	1696.7	1694.2	1692.5	1691.7	1691.7
5°	1695.0	1691.7	1688.4	1679.2	1679.2	1677.5	1672.6	1669.2	1667.6	1663.4	1661.7
7.5°	1687.5	1677.5	1671.7	1665.9	1658.4	1655.1	1649.2	1646.7	1640.9	1636.8	1634.3
10°	1669.2	1662.6	1655.1	1645.9	1640.1	1633.4	1626.7	1621.8	1614.3	1610.1	1606.8
12.5°	1656.7	1646.7	1640.1	1630.1	1620.1	1614.3	1605.1	1599.3	1591.8	1583.5	1578.5
15°	1645.1	1634.3	1625.1	1614.3	1603.4	1596.8	1586.0	1579.3	1568.5	1560.2	1554.3
17.5°	1627.6	1618.4	1608.4	1595.1	1585.1	1576.8	1565.1	1556.8	1546.8	1536.0	1530.2
20°	1609.3	1598.4	1588.5	1575.1	1565.1	1555.2	1543.5	1534.4	1522.7	1512.7	1506.1
22.5°	1585.1	1572.6	1564.3	1551.0	1539.3	1528.5	1517.7	1506.9	1496.1	1487.7	1480.2
25°	1550.2	1536.8	1527.7	1516.9	1506.1	1497.7	1484.4	1477.8	1466.9	1459.4	1451.9
27.5°	1500.2	1490.2	1481.9	1471.1	1461.9	1455.3	1445.3	1438.6	1429.4	1422.8	1417.0
30°	1427.0	1418.6	1411.1	1400.3	1393.7	1387.8	1378.7	1372.8	1366.2	1358.7	1357.0
32.5°	1328.7	1322.0	1314.6	1307.1	1302.1	1298.7	1291.2	1287.9	1281.3	1277.1	1272.9
35°	1180.5	1174.7	1170.5	1167.2	1165.5	1166.4	1164.7	1168.0	1169.7	1168.9	1169.7
37.5°	986.6	983.2	984.9	987.4	995.7	1006.5	1016.5	1031.5	1041.5	1051.5	1060.6
40°	770.1	772.6	779.2	794.2	815.9	840.0	862.5	890.8	919.1	939.1	957.4
42.5°	581.1	588.6	605.2	626.9	659.4	695.2	730.1	771.7	805.9	839.2	862.5
45°	437.1	447.1	468.7	498.7	534.5	576.1	620.2	666.8	707.7	741.8	767.6
47.5°	340.5	349.7	371.3	403.0	447.1	490.4	536.1	584.4	626.9	660.2	682.7
50°	268.9	280.5	299.7	333.0	377.1	422.9	470.4	517.8	557.8	586.1	606.1
52.5°	211.5	222.3	240.6	275.6	320.5	366.3	410.4	457.1	492.0	519.5	532.8
55°	164.0	174.0	193.1	222.3	264.8	309.7	353.8	393.8	426.3	446.2	458.7
57.5°	124.9	132.4	145.7	174.8	213.1	254.7	292.2	332.2	357.2	371.3	379.6
60°	94.9	100.7	114.9	137.4	172.3	208.1	239.8	269.8	289.7	301.4	309.7
62.5°	71.6	78.3	88.2	107.4	134.0	163.2	189.8	212.3	228.9	236.4	242.3
65°	49.1	54.1	61.6	76.6	99.1	119.9	140.7	157.4	168.2	176.5	179.8
67.5°	36.6	40.0	44.1	55.8	71.6	88.2	102.4	114.0	125.7	129.1	134.9
70°	27.5	30.0	34.1	42.5	51.6	63.3	74.9	81.6	89.9	95.7	97.4
72.5°	17.5	18.3	22.5	27.5	35.0	42.5	50.0	55.8	60.8	64.1	65.8
75°	10.0	15.0	15.0	20.0	25.0	28.3	33.3	37.5	40.0	42.5	42.5
77.5°	6.6	9.1	10.0	12.5	15.0	19.2	23.3	25.8	28.3	29.1	29.1
80°	5.8	6.6	6.6	9.1	10.8	14.2	16.7	17.5	19.2	20.0	21.7
82.5°	2.5	3.3	4.1	6.6	7.5	7.5	10.0	10.8	12.5	13.3	13.3
85°	0.8	1.7	1.7	2.5	4.1	5.0	5.8	6.6	7.5	7.5	8.3
87.5°	0.8	0.8	0.0	0.8	1.7	1.7	3.3	3.3	3.3	5.0	5.0
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: P245961

CATALOG NUMBER: LSR8B30D010 EC8B30827 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0
2.5°	1690.0	1690.9	1687.5	1686.7	1685.0	1685.9	1687.5
5°	1659.2	1660.1	1656.7	1653.4	1653.4	1652.6	1653.4
7.5°	1630.1	1630.9	1625.9	1624.2	1620.9	1621.8	1621.8
10°	1600.9	1600.9	1593.5	1592.6	1590.1	1589.3	1589.3
12.5°	1572.6	1570.1	1564.3	1561.0	1562.7	1557.7	1557.7
15°	1547.7	1543.5	1536.0	1533.5	1529.4	1527.7	1527.7
17.5°	1521.9	1518.5	1511.9	1506.9	1501.9	1501.1	1501.9
20°	1496.9	1493.6	1485.2	1481.9	1477.8	1477.8	1476.1
22.5°	1471.9	1468.6	1461.1	1458.6	1452.8	1452.8	1453.6
25°	1446.1	1443.6	1435.3	1433.6	1432.8	1429.4	1431.1
27.5°	1411.1	1409.5	1402.8	1400.3	1397.0	1396.2	1397.8
30°	1347.0	1344.5	1339.6	1337.1	1331.2	1332.0	1333.7
32.5°	1267.1	1263.8	1257.1	1254.6	1249.6	1248.0	1248.8
35°	1167.2	1164.7	1158.9	1158.9	1153.9	1152.2	1153.9
37.5°	1065.7	1068.1	1065.7	1068.1	1065.7	1064.8	1065.7
40°	969.9	979.1	980.7	989.9	986.6	991.5	990.7
42.5°	878.3	893.3	899.1	906.6	905.0	908.3	910.8
45°	785.9	798.4	804.2	809.2	810.1	811.7	812.6
47.5°	698.5	708.5	709.3	715.1	714.3	714.3	716.8
50°	616.9	623.6	625.2	629.4	626.1	624.4	625.2
52.5°	541.2	547.8	546.1	547.8	543.7	542.0	542.8
55°	463.7	467.0	467.0	467.0	462.1	462.1	462.1
57.5°	384.6	385.5	383.8	384.6	383.8	378.8	378.0
60°	312.2	312.2	311.4	312.2	309.7	307.2	307.2
62.5°	243.9	245.6	248.9	245.6	243.9	245.6	243.1
65°	182.3	185.7	184.8	186.5	185.7	185.7	184.0
67.5°	137.4	138.2	139.0	139.9	139.9	139.9	139.9
70°	100.7	103.2	102.4	102.4	102.4	102.4	107.4
72.5°	67.4	70.8	69.9	71.6	71.6	73.3	71.6
75°	45.8	49.1	47.5	50.0	49.1	47.5	51.6
77.5°	30.8	32.5	33.3	34.1	33.3	32.5	33.3
80°	21.7	23.3	22.5	23.3	23.3	23.3	24.2
82.5°	13.3	15.8	15.0	15.8	15.0	15.8	15.8
85°	9.1	10.0	8.3	10.0	9.1	9.1	10.8
87.5°	5.8	5.0	5.0	5.8	5.0	5.8	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)