

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: P245841

Luminaire Tested: **LSR8B30D010 EC8B30850 8LBSW0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245841  
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 EC8B30850 8LBSW0GPH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
80 CRI 5000 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2900.0 lumens  
Efficiency: N/A  
Efficacy: 107.0 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

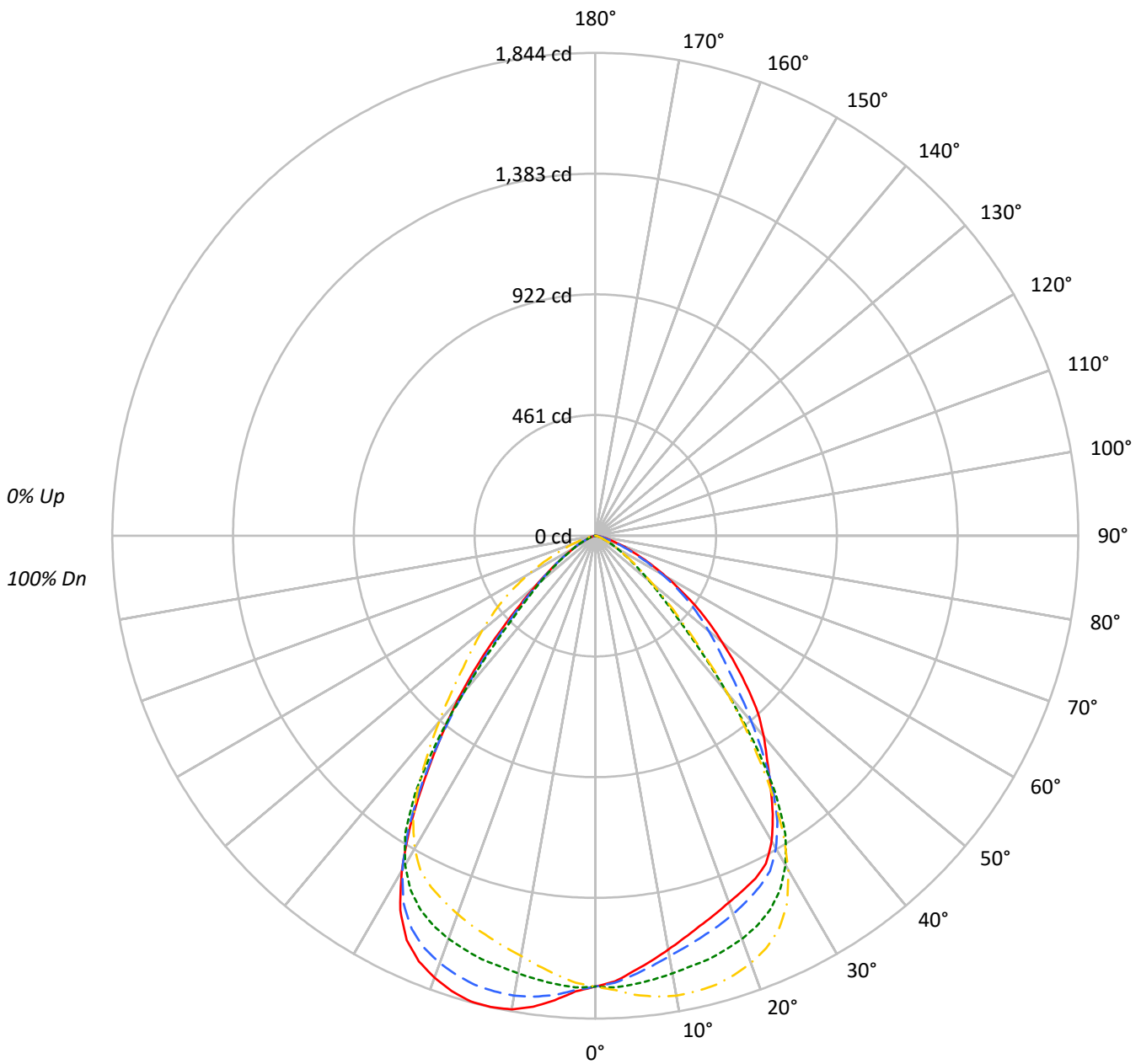
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°    - - - 135°-315°



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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°	53088	53088	53088	53088
5°	51678	53213	55114	53213
10°	50250	53143	57514	53143
15°	49246	53460	58772	53460
20°	48911	53765	58923	53765
25°	49168	53656	57977	53656
30°	47952	51694	52623	51694
35°	43859	45094	42786	45094
40°	40270	31370	32759	31370
45°	35781	19136	22140	19136
50°	30285	12785	14195	12785
55°	25085	8720	9220	8720
60°	19131	5810	5859	5810
65°	13557	3619	3313	3619
70°	9773	2425	2200	2425
75°	6207	1203	1001	1203
80°	4333	906	746	906
85°	3856	0	283	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.9	5.7
10°-20°	474.5	16.4
20°-30°	718.5	24.8
30°-40°	720.2	24.8
40°-50°	452.2	15.6
50°-60°	241.0	8.3
60°-70°	99.1	3.4
70°-80°	26.2	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°	1356.9	46.8
0°-40°	2077.1	71.6
0°-60°	2770.3	95.5
0°-90°	2900.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2900.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1722	1722	1722	1722	1722	
5°	1670	1719	1780	1719	1670	157
15°	1543	1675	1841	1675	1543	436
25°	1445	1577	1704	1577	1445	663
35°	1165	1198	1137	1198	1165	730
45°	820	439	508	439	820	631
55°	467	162	172	162	467	416
65°	186	50	45	50	186	193
75°	52	10	8	10	52	59
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°	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6
2.5°	1704.0	1702.3	1701.5	1703.2	1704.0	1707.3	1706.5	1708.2	1708.2	1709.0	1710.7
5°	1669.5	1668.7	1669.5	1669.5	1672.9	1676.2	1675.4	1677.9	1679.6	1683.8	1685.5
7.5°	1637.6	1637.6	1636.7	1640.1	1641.8	1646.8	1646.0	1650.2	1652.7	1656.9	1662.8
10°	1604.8	1604.8	1605.6	1608.1	1609.0	1616.6	1616.6	1622.4	1625.8	1630.0	1637.6
12.5°	1572.9	1572.9	1577.9	1576.2	1579.6	1585.4	1588.0	1593.9	1598.9	1607.3	1614.9
15°	1542.6	1542.6	1544.3	1548.5	1551.0	1558.6	1562.7	1569.5	1575.4	1583.8	1594.7
17.5°	1516.5	1515.7	1516.5	1521.6	1526.6	1533.3	1536.7	1545.1	1551.0	1561.9	1572.0
20°	1490.5	1492.2	1492.2	1496.3	1499.7	1508.1	1511.5	1520.7	1527.5	1537.5	1549.3
22.5°	1467.8	1466.9	1466.9	1472.8	1475.3	1482.9	1486.2	1494.7	1502.2	1510.6	1521.6
25°	1445.1	1443.4	1446.8	1447.6	1449.3	1457.7	1460.2	1466.1	1473.6	1481.2	1492.2
27.5°	1411.4	1409.8	1410.6	1414.0	1416.5	1423.2	1424.9	1430.8	1436.7	1443.4	1452.6
30°	1346.7	1345.0	1344.2	1350.1	1352.6	1357.6	1360.2	1370.3	1371.9	1379.5	1386.2
32.5°	1261.0	1260.1	1261.8	1266.8	1269.4	1276.1	1279.5	1285.3	1289.5	1293.8	1300.5
35°	1165.1	1163.4	1165.1	1170.2	1170.2	1176.1	1178.6	1181.1	1180.3	1181.1	1179.4
37.5°	1076.0	1075.2	1076.0	1078.5	1076.0	1078.5	1076.0	1071.0	1061.8	1051.6	1041.5
40°	1000.4	1001.2	996.2	999.5	990.3	988.6	979.4	966.7	948.3	928.1	899.5
42.5°	919.7	917.2	913.8	915.5	907.9	902.0	886.9	870.9	847.4	813.8	779.3
45°	820.5	819.6	817.9	817.1	812.1	806.2	793.6	775.1	749.0	714.6	673.3
47.5°	723.8	721.3	721.3	722.1	716.2	715.4	705.3	689.3	666.6	633.0	590.1
50°	631.3	630.5	632.2	635.5	631.3	629.6	622.9	612.0	591.8	563.2	522.9
52.5°	548.1	547.3	549.0	553.1	551.4	553.1	546.4	538.0	524.6	496.8	461.5
55°	466.6	466.6	466.6	471.6	471.6	471.6	468.2	463.2	450.6	430.4	397.6
57.5°	381.7	382.5	387.5	388.4	387.5	389.2	388.4	383.3	374.9	360.7	335.4
60°	310.2	310.2	312.7	315.3	314.4	315.3	315.3	312.7	304.3	292.6	272.4
62.5°	245.5	248.0	246.3	248.0	251.3	248.0	246.3	244.6	238.8	231.2	214.4
65°	185.8	187.5	187.5	188.3	186.6	187.5	184.1	181.6	178.2	169.8	158.9
67.5°	141.2	141.2	141.2	141.2	140.4	139.5	138.7	136.2	130.3	127.0	115.2
70°	108.4	103.4	103.4	103.4	103.4	104.3	101.7	98.4	96.7	90.8	82.4
72.5°	72.3	74.0	72.3	72.3	70.6	71.5	68.1	66.4	64.7	61.4	56.3
75°	52.1	47.9	49.6	50.4	47.9	49.6	46.2	42.9	42.9	40.3	37.8
77.5°	33.6	32.8	33.6	34.5	33.6	32.8	31.1	29.4	29.4	28.6	26.1
80°	24.4	23.5	23.5	23.5	22.7	23.5	21.9	21.9	20.2	19.3	17.6
82.5°	16.0	16.0	15.1	16.0	15.1	16.0	13.5	13.5	13.5	12.6	10.9
85°	10.9	9.2	9.2	10.1	8.4	10.1	9.2	8.4	7.6	7.6	6.7
87.5°	5.1	5.9	5.1	5.9	5.1	5.1	5.9	5.1	5.1	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°	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6
2.5°	1713.2	1714.1	1714.1	1717.5	1719.1	1719.9	1719.9	1726.7	1724.2	1725.9	1727.5
5°	1688.9	1693.9	1695.6	1695.6	1704.8	1708.2	1711.5	1719.1	1719.9	1725.0	1730.9
7.5°	1665.3	1671.2	1674.6	1682.1	1688.0	1693.9	1704.0	1709.0	1714.1	1720.8	1728.4
10°	1642.6	1649.4	1656.1	1662.0	1671.2	1678.8	1685.5	1697.2	1703.2	1712.4	1722.5
12.5°	1620.8	1630.0	1635.9	1646.0	1656.1	1662.8	1672.9	1683.8	1693.1	1702.3	1714.1
15°	1601.4	1612.4	1619.1	1630.0	1640.9	1650.2	1661.1	1674.6	1681.3	1692.2	1703.2
17.5°	1580.4	1592.2	1600.6	1610.7	1624.1	1634.2	1643.5	1656.9	1665.3	1677.1	1689.7
20°	1558.6	1570.3	1580.4	1590.5	1604.0	1614.0	1625.0	1638.4	1647.7	1659.4	1669.5
22.5°	1532.5	1543.4	1554.3	1566.1	1579.6	1588.0	1600.6	1612.4	1622.4	1633.4	1643.5
25°	1498.9	1512.3	1520.7	1531.6	1542.6	1551.8	1565.3	1577.0	1585.4	1595.5	1604.8
27.5°	1459.4	1469.5	1476.2	1485.4	1496.3	1504.8	1514.8	1526.6	1535.0	1544.3	1551.0
30°	1392.1	1401.4	1407.2	1414.0	1424.9	1432.5	1440.9	1451.8	1457.7	1464.4	1470.3
32.5°	1303.8	1311.4	1314.8	1319.8	1327.4	1334.9	1341.7	1350.9	1353.4	1357.6	1357.6
35°	1176.1	1177.7	1176.9	1178.6	1182.0	1186.1	1192.0	1197.9	1201.3	1201.3	1198.8
37.5°	1026.4	1016.4	1005.4	997.0	994.5	992.8	996.2	998.7	1002.1	1003.7	999.5
40°	870.9	848.2	823.8	802.0	786.8	780.1	777.6	779.3	779.3	785.1	785.1
42.5°	737.3	701.9	665.8	633.0	611.1	594.4	586.8	586.8	587.6	591.8	594.4
45°	626.3	581.7	539.7	503.6	473.3	451.4	441.3	438.8	438.0	439.6	445.5
47.5°	541.4	495.1	451.4	406.9	374.9	353.1	343.8	340.4	337.1	340.4	341.3
50°	475.0	427.1	380.8	336.3	302.6	283.3	271.5	266.5	265.6	265.6	267.3
52.5°	414.4	369.9	323.7	278.3	242.9	224.5	213.5	211.0	207.6	211.0	211.0
55°	357.3	312.7	267.3	224.5	195.0	175.7	165.6	162.2	160.6	163.1	163.1
57.5°	295.1	257.2	215.2	176.5	147.1	133.7	126.1	121.9	121.0	122.7	121.0
60°	242.1	210.2	174.0	138.7	116.0	101.7	95.8	94.2	92.5	94.2	94.2
62.5°	191.7	164.8	135.3	108.4	89.1	79.0	72.3	72.3	71.5	71.5	72.3
65°	142.1	121.0	100.0	77.3	62.2	54.6	49.6	49.6	48.8	49.6	48.8
67.5°	103.4	89.1	72.3	56.3	44.6	40.3	37.0	34.5	36.2	34.5	33.6
70°	75.7	63.9	52.1	42.9	34.5	30.3	27.8	26.9	25.2	25.2	25.2
72.5°	50.4	42.9	35.3	27.8	22.7	18.5	17.6	16.0	14.3	15.1	16.8
75°	33.6	28.6	25.2	20.2	15.1	15.1	10.1	10.1	8.4	10.1	7.6
77.5°	23.5	19.3	15.1	12.6	10.1	9.2	6.7	6.7	5.9	5.9	5.9
80°	16.8	14.3	10.9	9.2	6.7	6.7	5.9	5.1	4.2	4.2	5.1
82.5°	10.1	7.6	7.6	6.7	4.2	3.4	2.5	3.4	1.7	1.7	1.7
85°	5.9	5.1	4.2	2.5	1.7	1.7	0.8	0.0	0.8	0.8	0.0
87.5°	3.4	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



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6
2.5°	1731.7	1730.9	1732.6	1732.6	1737.6	1736.8	1739.3	1739.3	1737.6	1738.5	1741.8
5°	1737.6	1740.2	1745.2	1749.4	1756.9	1760.3	1764.5	1768.7	1769.6	1772.1	1774.6
7.5°	1737.6	1746.0	1751.9	1759.5	1769.6	1775.4	1784.7	1792.3	1795.6	1799.8	1804.9
10°	1734.2	1742.6	1753.6	1762.0	1774.6	1783.9	1793.1	1804.9	1809.9	1816.6	1823.4
12.5°	1727.5	1736.8	1748.5	1759.5	1773.7	1782.2	1793.9	1804.9	1812.4	1821.7	1829.2
15°	1717.5	1728.4	1739.3	1750.2	1765.3	1775.4	1786.4	1799.0	1806.6	1816.6	1823.4
17.5°	1701.5	1713.2	1723.3	1733.4	1747.7	1759.5	1769.6	1781.3	1788.9	1797.3	1806.6
20°	1682.1	1693.1	1704.0	1712.4	1726.7	1736.8	1747.7	1758.6	1764.5	1766.2	1780.5
22.5°	1657.8	1665.3	1673.7	1687.2	1695.6	1704.8	1714.9	1725.0	1730.9	1740.2	1745.2
25°	1617.4	1625.0	1634.2	1640.1	1650.2	1657.8	1667.8	1678.8	1682.1	1688.9	1693.9
27.5°	1561.1	1565.3	1569.5	1574.5	1580.4	1584.6	1590.5	1595.5	1598.9	1602.3	1605.6
30°	1472.0	1472.0	1472.0	1468.6	1471.1	1473.6	1474.5	1473.6	1473.6	1472.8	1472.8
32.5°	1354.3	1347.6	1340.0	1333.3	1330.7	1327.4	1325.7	1323.2	1319.0	1316.5	1317.3
35°	1195.4	1180.3	1171.0	1162.6	1155.9	1150.8	1148.3	1145.8	1145.0	1141.6	1138.2
37.5°	997.0	986.1	979.4	974.3	968.4	963.4	964.2	965.1	967.6	965.9	966.7
40°	786.8	784.3	786.8	781.0	779.3	781.0	785.1	791.1	794.4	797.8	803.7
42.5°	598.5	602.7	608.6	608.6	611.1	614.5	619.5	628.8	633.8	639.7	646.5
45°	450.6	455.6	463.2	465.7	467.4	471.6	477.5	485.0	488.4	493.5	499.3
47.5°	347.2	350.5	354.7	359.0	363.1	364.8	370.7	370.7	374.9	378.3	380.0
50°	270.7	274.0	277.4	279.9	281.6	284.1	285.8	288.3	289.2	290.9	291.7
52.5°	211.8	216.1	216.1	217.7	220.2	222.8	221.9	222.8	223.6	223.6	226.1
55°	165.6	165.6	168.1	168.1	169.8	169.0	169.8	169.8	169.8	169.8	170.7
57.5°	123.6	124.4	127.0	125.3	124.4	126.1	124.4	126.1	125.3	127.0	124.4
60°	95.0	95.0	95.8	95.8	96.7	96.7	96.7	95.8	95.8	95.0	95.0
62.5°	71.5	72.3	73.1	72.3	72.3	72.3	71.5	71.5	70.6	69.8	69.8
65°	47.9	47.1	48.8	47.1	47.9	47.9	47.1	47.9	45.4	46.2	45.4
67.5°	34.5	33.6	32.8	33.6	32.8	31.9	31.9	32.8	33.6	31.1	31.1
70°	22.7	23.5	22.7	23.5	24.4	24.4	23.5	22.7	23.5	21.9	22.7
72.5°	14.3	14.3	14.3	14.3	14.3	15.1	15.1	15.1	13.5	13.5	12.6
75°	6.7	9.2	7.6	6.7	9.2	9.2	8.4	8.4	7.6	7.6	7.6
77.5°	6.7	5.1	5.1	5.1	5.1	5.1	5.1	5.1	4.2	5.1	4.2
80°	3.4	3.4	3.4	2.5	3.4	3.4	4.2	3.4	3.4	2.5	4.2
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: P245841

CATALOG NUMBER: LSR8B30D010 EC8B30850 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6
2.5°	1741.0	1740.2	1741.0	1741.8	1741.0	1740.2	1741.0	1741.8	1738.5	1737.6	1739.3
5°	1778.0	1778.0	1779.6	1780.5	1779.6	1778.0	1778.0	1774.6	1772.1	1769.6	1768.7
7.5°	1809.9	1811.6	1813.3	1814.1	1813.3	1811.6	1809.9	1804.9	1799.8	1795.6	1792.3
10°	1829.2	1831.8	1835.1	1836.8	1835.1	1831.8	1829.2	1823.4	1816.6	1809.9	1804.9
12.5°	1837.7	1840.2	1844.4	1843.5	1844.4	1840.2	1837.7	1829.2	1821.7	1812.4	1804.9
15°	1831.8	1835.1	1839.3	1841.0	1839.3	1835.1	1831.8	1823.4	1816.6	1806.6	1799.0
17.5°	1813.3	1818.3	1820.8	1823.4	1820.8	1818.3	1813.3	1806.6	1797.3	1788.9	1781.3
20°	1788.0	1791.4	1794.8	1795.6	1794.8	1791.4	1788.0	1780.5	1766.2	1764.5	1758.6
22.5°	1751.9	1754.4	1762.0	1759.5	1762.0	1754.4	1751.9	1745.2	1740.2	1730.9	1725.0
25°	1699.8	1702.3	1703.2	1704.0	1703.2	1702.3	1699.8	1693.9	1688.9	1682.1	1678.8
27.5°	1609.8	1609.8	1611.5	1612.4	1611.5	1609.8	1609.8	1605.6	1602.3	1598.9	1595.5
30°	1473.6	1473.6	1473.6	1477.9	1473.6	1473.6	1473.6	1472.8	1472.8	1473.6	1473.6
32.5°	1316.5	1314.8	1313.1	1314.8	1313.1	1314.8	1316.5	1317.3	1316.5	1319.0	1323.2
35°	1138.2	1137.4	1139.9	1136.6	1139.9	1137.4	1138.2	1138.2	1141.6	1145.0	1145.8
37.5°	967.6	965.9	969.3	965.9	969.3	965.9	967.6	966.7	965.9	967.6	965.1
40°	805.4	807.0	807.0	813.8	807.0	807.0	805.4	803.7	797.8	794.4	791.1
42.5°	649.8	654.9	653.2	658.2	653.2	654.9	649.8	646.5	639.7	633.8	628.8
45°	502.7	506.1	506.1	507.7	506.1	506.1	502.7	499.3	493.5	488.4	485.0
47.5°	385.8	385.8	385.8	386.7	385.8	385.8	385.8	380.0	378.3	374.9	370.7
50°	293.4	294.2	295.1	295.9	295.1	294.2	293.4	291.7	290.9	289.2	288.3
52.5°	225.3	226.1	224.5	226.1	224.5	226.1	225.3	226.1	223.6	223.6	222.8
55°	170.7	169.8	170.7	171.5	170.7	169.8	170.7	170.7	169.8	169.8	169.8
57.5°	125.3	123.6	123.6	123.6	123.6	123.6	125.3	124.4	127.0	125.3	126.1
60°	93.3	94.2	94.2	95.0	94.2	94.2	93.3	95.0	95.0	95.8	95.8
62.5°	68.9	71.5	69.8	71.5	69.8	71.5	68.9	69.8	69.8	70.6	71.5
65°	44.6	44.6	44.6	45.4	44.6	44.6	44.6	45.4	46.2	45.4	47.9
67.5°	30.3	31.1	32.8	31.9	32.8	31.1	30.3	31.1	31.1	33.6	32.8
70°	24.4	21.9	21.9	24.4	21.9	21.9	24.4	22.7	21.9	23.5	22.7
72.5°	14.3	12.6	14.3	14.3	14.3	12.6	14.3	12.6	13.5	13.5	15.1
75°	7.6	6.7	5.9	8.4	5.9	6.7	7.6	7.6	7.6	7.6	8.4
77.5°	5.1	4.2	5.9	5.9	5.9	4.2	5.1	4.2	5.1	4.2	5.1
80°	2.5	3.4	2.5	4.2	2.5	3.4	2.5	4.2	2.5	3.4	3.4
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: P245841

CATALOG NUMBER: LSR8B30D010 EC8B30850 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6
2.5°	1739.3	1736.8	1737.6	1732.6	1732.6	1730.9	1731.7	1727.5	1725.9	1724.2	1726.7
5°	1764.5	1760.3	1756.9	1749.4	1745.2	1740.2	1737.6	1730.9	1725.0	1719.9	1719.1
7.5°	1784.7	1775.4	1769.6	1759.5	1751.9	1746.0	1737.6	1728.4	1720.8	1714.1	1709.0
10°	1793.1	1783.9	1774.6	1762.0	1753.6	1742.6	1734.2	1722.5	1712.4	1703.2	1697.2
12.5°	1793.9	1782.2	1773.7	1759.5	1748.5	1736.8	1727.5	1714.1	1702.3	1693.1	1683.8
15°	1786.4	1775.4	1765.3	1750.2	1739.3	1728.4	1717.5	1703.2	1692.2	1681.3	1674.6
17.5°	1769.6	1759.5	1747.7	1733.4	1723.3	1713.2	1701.5	1689.7	1677.1	1665.3	1656.9
20°	1747.7	1736.8	1726.7	1712.4	1704.0	1693.1	1682.1	1669.5	1659.4	1647.7	1638.4
22.5°	1714.9	1704.8	1695.6	1687.2	1673.7	1665.3	1657.8	1643.5	1633.4	1622.4	1612.4
25°	1667.8	1657.8	1650.2	1640.1	1634.2	1625.0	1617.4	1604.8	1595.5	1585.4	1577.0
27.5°	1590.5	1584.6	1580.4	1574.5	1569.5	1565.3	1561.1	1551.0	1544.3	1535.0	1526.6
30°	1474.5	1473.6	1471.1	1468.6	1472.0	1472.0	1472.0	1470.3	1464.4	1457.7	1451.8
32.5°	1325.7	1327.4	1330.7	1333.3	1340.0	1347.6	1354.3	1357.6	1357.6	1353.4	1350.9
35°	1148.3	1150.8	1155.9	1162.6	1171.0	1180.3	1195.4	1198.8	1201.3	1201.3	1197.9
37.5°	964.2	963.4	968.4	974.3	979.4	986.1	997.0	999.5	1003.7	1002.1	998.7
40°	785.1	781.0	779.3	781.0	786.8	784.3	786.8	785.1	785.1	779.3	779.3
42.5°	619.5	614.5	611.1	608.6	608.6	602.7	598.5	594.4	591.8	587.6	586.8
45°	477.5	471.6	467.4	465.7	463.2	455.6	450.6	445.5	439.6	438.0	438.8
47.5°	370.7	364.8	363.1	359.0	354.7	350.5	347.2	341.3	340.4	337.1	340.4
50°	285.8	284.1	281.6	279.9	277.4	274.0	270.7	267.3	265.6	265.6	266.5
52.5°	221.9	222.8	220.2	217.7	216.1	216.1	211.8	211.0	211.0	207.6	211.0
55°	169.8	169.0	169.8	168.1	168.1	165.6	165.6	163.1	163.1	160.6	162.2
57.5°	124.4	126.1	124.4	125.3	127.0	124.4	123.6	121.0	122.7	121.0	121.9
60°	96.7	96.7	96.7	95.8	95.8	95.0	95.0	94.2	94.2	92.5	94.2
62.5°	71.5	72.3	72.3	72.3	73.1	72.3	71.5	72.3	71.5	71.5	72.3
65°	47.1	47.9	47.9	47.1	48.8	47.1	47.9	48.8	49.6	48.8	49.6
67.5°	31.9	31.9	32.8	33.6	32.8	33.6	34.5	33.6	34.5	36.2	34.5
70°	23.5	24.4	24.4	23.5	22.7	23.5	22.7	25.2	25.2	25.2	26.9
72.5°	15.1	15.1	14.3	14.3	14.3	14.3	14.3	16.8	15.1	14.3	16.0
75°	8.4	9.2	9.2	6.7	7.6	9.2	6.7	7.6	10.1	8.4	10.1
77.5°	5.1	5.1	5.1	5.1	5.1	5.1	6.7	5.9	5.9	5.9	6.7
80°	4.2	3.4	3.4	2.5	3.4	3.4	3.4	5.1	4.2	4.2	5.1
82.5°	1.7	1.7	0.8	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	0.8	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: P245841

CATALOG NUMBER: LSR8B30D010 EC8B30850 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6
2.5°	1719.9	1719.9	1719.1	1717.5	1714.1	1714.1	1713.2	1710.7	1709.0	1708.2	1708.2
5°	1711.5	1708.2	1704.8	1695.6	1695.6	1693.9	1688.9	1685.5	1683.8	1679.6	1677.9
7.5°	1704.0	1693.9	1688.0	1682.1	1674.6	1671.2	1665.3	1662.8	1656.9	1652.7	1650.2
10°	1685.5	1678.8	1671.2	1662.0	1656.1	1649.4	1642.6	1637.6	1630.0	1625.8	1622.4
12.5°	1672.9	1662.8	1656.1	1646.0	1635.9	1630.0	1620.8	1614.9	1607.3	1598.9	1593.9
15°	1661.1	1650.2	1640.9	1630.0	1619.1	1612.4	1601.4	1594.7	1583.8	1575.4	1569.5
17.5°	1643.5	1634.2	1624.1	1610.7	1600.6	1592.2	1580.4	1572.0	1561.9	1551.0	1545.1
20°	1625.0	1614.0	1604.0	1590.5	1580.4	1570.3	1558.6	1549.3	1537.5	1527.5	1520.7
22.5°	1600.6	1588.0	1579.6	1566.1	1554.3	1543.4	1532.5	1521.6	1510.6	1502.2	1494.7
25°	1565.3	1551.8	1542.6	1531.6	1520.7	1512.3	1498.9	1492.2	1481.2	1473.6	1466.1
27.5°	1514.8	1504.8	1496.3	1485.4	1476.2	1469.5	1459.4	1452.6	1443.4	1436.7	1430.8
30°	1440.9	1432.5	1424.9	1414.0	1407.2	1401.4	1392.1	1386.2	1379.5	1371.9	1370.3
32.5°	1341.7	1334.9	1327.4	1319.8	1314.8	1311.4	1303.8	1300.5	1293.8	1289.5	1285.3
35°	1192.0	1186.1	1182.0	1178.6	1176.9	1177.7	1176.1	1179.4	1181.1	1180.3	1181.1
37.5°	996.2	992.8	994.5	997.0	1005.4	1016.4	1026.4	1041.5	1051.6	1061.8	1071.0
40°	777.6	780.1	786.8	802.0	823.8	848.2	870.9	899.5	928.1	948.3	966.7
42.5°	586.8	594.4	611.1	633.0	665.8	701.9	737.3	779.3	813.8	847.4	870.9
45°	441.3	451.4	473.3	503.6	539.7	581.7	626.3	673.3	714.6	749.0	775.1
47.5°	343.8	353.1	374.9	406.9	451.4	495.1	541.4	590.1	633.0	666.6	689.3
50°	271.5	283.3	302.6	336.3	380.8	427.1	475.0	522.9	563.2	591.8	612.0
52.5°	213.5	224.5	242.9	278.3	323.7	369.9	414.4	461.5	496.8	524.6	538.0
55°	165.6	175.7	195.0	224.5	267.3	312.7	357.3	397.6	430.4	450.6	463.2
57.5°	126.1	133.7	147.1	176.5	215.2	257.2	295.1	335.4	360.7	374.9	383.3
60°	95.8	101.7	116.0	138.7	174.0	210.2	242.1	272.4	292.6	304.3	312.7
62.5°	72.3	79.0	89.1	108.4	135.3	164.8	191.7	214.4	231.2	238.8	244.6
65°	49.6	54.6	62.2	77.3	100.0	121.0	142.1	158.9	169.8	178.2	181.6
67.5°	37.0	40.3	44.6	56.3	72.3	89.1	103.4	115.2	127.0	130.3	136.2
70°	27.8	30.3	34.5	42.9	52.1	63.9	75.7	82.4	90.8	96.7	98.4
72.5°	17.6	18.5	22.7	27.8	35.3	42.9	50.4	56.3	61.4	64.7	66.4
75°	10.1	15.1	15.1	20.2	25.2	28.6	33.6	37.8	40.3	42.9	42.9
77.5°	6.7	9.2	10.1	12.6	15.1	19.3	23.5	26.1	28.6	29.4	29.4
80°	5.9	6.7	6.7	9.2	10.9	14.3	16.8	17.6	19.3	20.2	21.9
82.5°	2.5	3.4	4.2	6.7	7.6	7.6	10.1	10.9	12.6	13.5	13.5
85°	0.8	1.7	1.7	2.5	4.2	5.1	5.9	6.7	7.6	7.6	8.4
87.5°	0.8	0.8	0.0	0.8	1.7	1.7	3.4	3.4	3.4	5.1	5.1
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: P245841

CATALOG NUMBER: LSR8B30D010 EC8B30850 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6	1721.6
2.5°	1706.5	1707.3	1704.0	1703.2	1701.5	1702.3	1704.0
5°	1675.4	1676.2	1672.9	1669.5	1669.5	1668.7	1669.5
7.5°	1646.0	1646.8	1641.8	1640.1	1636.7	1637.6	1637.6
10°	1616.6	1616.6	1609.0	1608.1	1605.6	1604.8	1604.8
12.5°	1588.0	1585.4	1579.6	1576.2	1577.9	1572.9	1572.9
15°	1562.7	1558.6	1551.0	1548.5	1544.3	1542.6	1542.6
17.5°	1536.7	1533.3	1526.6	1521.6	1516.5	1515.7	1516.5
20°	1511.5	1508.1	1499.7	1496.3	1492.2	1492.2	1490.5
22.5°	1486.2	1482.9	1475.3	1472.8	1466.9	1466.9	1467.8
25°	1460.2	1457.7	1449.3	1447.6	1446.8	1443.4	1445.1
27.5°	1424.9	1423.2	1416.5	1414.0	1410.6	1409.8	1411.4
30°	1360.2	1357.6	1352.6	1350.1	1344.2	1345.0	1346.7
32.5°	1279.5	1276.1	1269.4	1266.8	1261.8	1260.1	1261.0
35°	1178.6	1176.1	1170.2	1170.2	1165.1	1163.4	1165.1
37.5°	1076.0	1078.5	1076.0	1078.5	1076.0	1075.2	1076.0
40°	979.4	988.6	990.3	999.5	996.2	1001.2	1000.4
42.5°	886.9	902.0	907.9	915.5	913.8	917.2	919.7
45°	793.6	806.2	812.1	817.1	817.9	819.6	820.5
47.5°	705.3	715.4	716.2	722.1	721.3	721.3	723.8
50°	622.9	629.6	631.3	635.5	632.2	630.5	631.3
52.5°	546.4	553.1	551.4	553.1	549.0	547.3	548.1
55°	468.2	471.6	471.6	471.6	466.6	466.6	466.6
57.5°	388.4	389.2	387.5	388.4	387.5	382.5	381.7
60°	315.3	315.3	314.4	315.3	312.7	310.2	310.2
62.5°	246.3	248.0	251.3	248.0	246.3	248.0	245.5
65°	184.1	187.5	186.6	188.3	187.5	187.5	185.8
67.5°	138.7	139.5	140.4	141.2	141.2	141.2	141.2
70°	101.7	104.3	103.4	103.4	103.4	103.4	108.4
72.5°	68.1	71.5	70.6	72.3	72.3	74.0	72.3
75°	46.2	49.6	47.9	50.4	49.6	47.9	52.1
77.5°	31.1	32.8	33.6	34.5	33.6	32.8	33.6
80°	21.9	23.5	22.7	23.5	23.5	23.5	24.4
82.5°	13.5	16.0	15.1	16.0	15.1	16.0	16.0
85°	9.2	10.1	8.4	10.1	9.2	9.2	10.9
87.5°	5.9	5.1	5.1	5.9	5.1	5.9	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)