

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: P244569

Luminaire Tested: **LSR8B30D010 EC8B30940 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244569
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 EC8B30940 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2755.0 lumens
Efficiency: N/A
Efficacy: 101.7 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

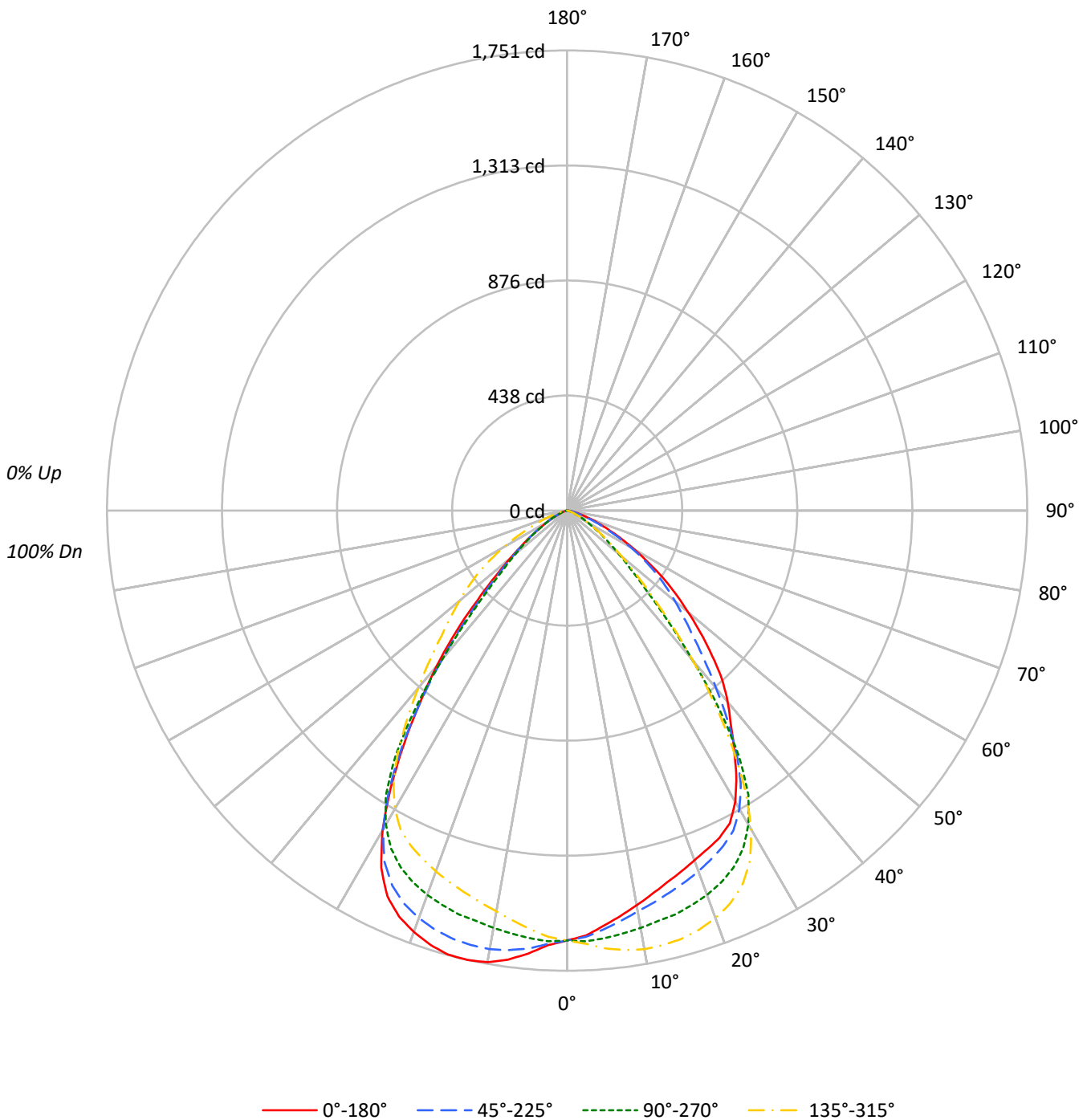
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	50436	50436	50436	50436
5°	49096	50554	52359	50554
10°	47735	50487	54639	50487
15°	46782	50788	55835	50788
20°	46463	51077	55976	51077
25°	46708	50975	55078	50975
30°	45555	49109	49992	49109
35°	41668	42839	40644	42839
40°	38253	29800	31120	29800
45°	33989	18181	21037	18181
50°	28769	12142	13485	12142
55°	23827	8285	8758	8285
60°	18175	5514	5563	5514
65°	12878	3437	3145	3437
70°	9286	2299	2092	2299
75°	5898	1144	953	1144
80°	4120	852	710	852
85°	3680	0	283	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.7	5.7
10°-20°	450.8	16.4
20°-30°	682.6	24.8
30°-40°	684.1	24.8
40°-50°	429.6	15.6
50°-60°	228.9	8.3
60°-70°	94.1	3.4
70°-80°	24.9	0.9
80°-90°	4.2	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°	1289.1	46.8
0°-40°	1973.2	71.6
0°-60°	2631.8	95.5
0°-90°	2755.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2755.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1636	1636	1636	1636	1636	
5°	1586	1633	1692	1633	1586	150
15°	1465	1591	1749	1591	1465	414
25°	1373	1498	1619	1498	1373	630
35°	1107	1138	1080	1138	1107	693
45°	779	417	482	417	779	599
55°	443	154	163	154	443	395
65°	176	47	43	47	176	183
75°	50	10	8	10	50	56
85°	10	0	1	0	10	11
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°	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6
2.5°	1618.8	1617.2	1616.4	1618.0	1618.8	1622.0	1621.2	1622.8	1622.8	1623.6	1625.2
5°	1586.1	1585.2	1586.1	1586.1	1589.2	1592.4	1591.6	1594.0	1595.6	1599.6	1601.2
7.5°	1555.7	1555.7	1554.9	1558.1	1559.7	1564.5	1563.7	1567.7	1570.1	1574.1	1579.6
10°	1524.5	1524.5	1525.3	1527.7	1528.6	1535.7	1535.7	1541.3	1544.5	1548.5	1555.7
12.5°	1494.2	1494.2	1499.0	1497.4	1500.6	1506.2	1508.6	1514.2	1519.0	1526.9	1534.1
15°	1465.4	1465.4	1467.1	1471.0	1473.4	1480.6	1484.6	1491.0	1496.6	1504.6	1515.0
17.5°	1440.7	1439.9	1440.7	1445.5	1450.3	1456.7	1459.9	1467.8	1473.4	1483.8	1493.4
20°	1415.9	1417.6	1417.6	1421.5	1424.7	1432.7	1435.9	1444.7	1451.1	1460.6	1471.9
22.5°	1394.4	1393.6	1393.6	1399.2	1401.6	1408.7	1411.9	1419.9	1427.1	1435.1	1445.5
25°	1372.8	1371.2	1374.4	1375.2	1376.8	1384.8	1387.2	1392.8	1400.0	1407.2	1417.6
27.5°	1340.9	1339.3	1340.1	1343.3	1345.7	1352.0	1353.6	1359.2	1364.8	1371.2	1380.0
30°	1279.4	1277.8	1277.0	1282.6	1285.0	1289.7	1292.1	1301.7	1303.3	1310.5	1316.9
32.5°	1197.9	1197.1	1198.7	1203.5	1205.9	1212.3	1215.5	1221.1	1225.1	1229.1	1235.4
35°	1106.9	1105.3	1106.9	1111.7	1111.7	1117.3	1119.7	1122.0	1121.2	1122.0	1120.5
37.5°	1022.2	1021.4	1022.2	1024.6	1022.2	1024.6	1022.2	1017.4	1008.7	999.1	989.5
40°	950.3	951.1	946.4	949.6	940.8	939.2	930.4	918.4	900.8	881.7	854.5
42.5°	873.7	871.3	868.1	869.7	862.5	856.9	842.5	827.4	805.0	773.1	740.3
45°	779.4	778.7	777.1	776.3	771.5	765.9	753.9	736.3	711.6	678.8	639.7
47.5°	687.6	685.2	685.2	686.0	680.4	679.6	670.0	654.9	633.3	601.4	560.6
50°	599.7	599.0	600.6	603.8	599.7	598.2	591.8	581.4	562.2	535.1	496.7
52.5°	520.7	519.9	521.5	525.5	523.9	525.5	519.1	511.1	498.3	472.0	438.4
55°	443.2	443.2	443.2	448.0	448.0	448.0	444.8	440.1	428.1	408.9	377.8
57.5°	362.6	363.4	368.2	369.0	368.2	369.8	369.0	364.2	356.2	342.6	318.7
60°	294.7	294.7	297.1	299.5	298.7	299.5	299.5	297.1	289.1	277.9	258.8
62.5°	233.2	235.6	234.0	235.6	238.8	235.6	234.0	232.4	226.8	219.6	203.6
65°	176.5	178.1	178.1	178.9	177.3	178.1	174.9	172.5	169.3	161.3	150.9
67.5°	134.2	134.2	134.2	134.2	133.4	132.6	131.8	129.4	123.8	120.6	109.4
70°	103.0	98.2	98.2	98.2	98.2	99.0	96.6	93.5	91.8	86.3	78.3
72.5°	68.7	70.3	68.7	68.7	67.1	67.9	64.7	63.1	61.5	58.3	53.5
75°	49.5	45.5	47.1	47.9	45.5	47.1	43.9	40.7	40.7	38.3	35.9
77.5°	32.0	31.2	32.0	32.7	32.0	31.2	29.6	27.9	27.9	27.2	24.8
80°	23.2	22.4	22.4	22.4	21.6	22.4	20.8	20.8	19.2	18.4	16.8
82.5°	15.2	15.2	14.4	15.2	14.4	15.2	12.8	12.8	12.8	12.0	10.4
85°	10.4	8.8	8.8	9.6	8.0	9.6	8.8	8.0	7.2	7.2	6.4
87.5°	4.8	5.6	4.8	5.6	4.8	4.8	5.6	4.8	4.8	3.2	3.2
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°	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6
2.5°	1627.6	1628.4	1628.4	1631.6	1633.2	1633.9	1633.9	1640.4	1638.0	1639.6	1641.1
5°	1604.4	1609.2	1610.8	1610.8	1619.6	1622.8	1626.0	1633.2	1633.9	1638.7	1644.3
7.5°	1582.0	1587.6	1590.9	1598.0	1603.6	1609.2	1618.8	1623.6	1628.4	1634.8	1641.9
10°	1560.5	1566.9	1573.3	1578.9	1587.6	1594.8	1601.2	1612.4	1618.0	1626.8	1636.3
12.5°	1539.7	1548.5	1554.1	1563.7	1573.3	1579.6	1589.2	1599.6	1608.4	1617.2	1628.4
15°	1521.4	1531.7	1538.1	1548.5	1558.9	1567.7	1578.1	1590.9	1597.2	1607.6	1618.0
17.5°	1501.4	1512.6	1520.6	1530.1	1542.9	1552.5	1561.3	1574.1	1582.0	1593.2	1605.2
20°	1480.6	1491.8	1501.4	1511.0	1523.8	1533.3	1543.7	1556.5	1565.3	1576.5	1586.1
22.5°	1455.9	1466.3	1476.6	1487.8	1500.6	1508.6	1520.6	1531.7	1541.3	1551.7	1561.3
25°	1423.9	1436.7	1444.7	1455.1	1465.4	1474.2	1487.0	1498.2	1506.2	1515.8	1524.5
27.5°	1386.4	1396.0	1402.4	1411.1	1421.5	1429.5	1439.1	1450.3	1458.3	1467.1	1473.4
30°	1322.5	1331.3	1336.9	1343.3	1353.6	1360.8	1368.8	1379.2	1384.8	1391.2	1396.8
32.5°	1238.6	1245.8	1249.0	1253.8	1261.0	1268.2	1274.6	1283.4	1285.8	1289.7	1289.7
35°	1117.3	1118.8	1118.1	1119.7	1122.9	1126.8	1132.4	1138.0	1141.2	1141.2	1138.8
37.5°	975.1	965.5	955.1	947.2	944.8	943.2	946.4	948.7	952.0	953.5	949.6
40°	827.4	805.8	782.6	761.9	747.5	741.1	738.7	740.3	740.3	745.9	745.9
42.5°	700.4	666.8	632.5	601.4	580.6	564.6	557.4	557.4	558.2	562.2	564.6
45°	595.0	552.6	512.7	478.4	449.6	428.8	419.3	416.9	416.1	417.7	423.3
47.5°	514.3	470.4	428.8	386.5	356.2	335.4	326.6	323.4	320.2	323.4	324.2
50°	451.2	405.7	361.8	319.4	287.5	269.1	257.9	253.1	252.4	252.4	254.0
52.5°	393.7	351.4	307.5	264.4	230.8	213.2	202.9	200.5	197.3	200.5	200.5
55°	339.4	297.1	254.0	213.2	185.3	166.9	157.3	154.1	152.5	154.9	154.9
57.5°	280.3	244.4	204.5	167.7	139.8	127.0	119.8	115.8	115.0	116.6	115.0
60°	230.0	199.7	165.3	131.8	110.2	96.6	91.1	89.4	87.8	89.4	89.4
62.5°	182.1	156.5	128.6	103.0	84.6	75.1	68.7	68.7	67.9	67.9	68.7
65°	135.0	115.0	95.0	73.5	59.1	51.9	47.1	47.1	46.3	47.1	46.3
67.5°	98.2	84.6	68.7	53.5	42.3	38.3	35.1	32.7	34.4	32.7	32.0
70°	71.9	60.7	49.5	40.7	32.7	28.8	26.4	25.5	24.0	24.0	24.0
72.5°	47.9	40.7	33.5	26.4	21.6	17.6	16.8	15.2	13.6	14.4	16.0
75°	32.0	27.2	24.0	19.2	14.4	14.4	9.6	9.6	8.0	9.6	7.2
77.5°	22.4	18.4	14.4	12.0	9.6	8.8	6.4	6.4	5.6	5.6	5.6
80°	16.0	13.6	10.4	8.8	6.4	6.4	5.6	4.8	4.0	4.0	4.8
82.5°	9.6	7.2	7.2	6.4	4.0	3.2	2.4	3.2	1.6	1.6	1.6
85°	5.6	4.8	4.0	2.4	1.6	1.6	0.8	0.0	0.8	0.8	0.0
87.5°	3.2	1.6	1.6	0.8	0.0	0.8	0.8	0.0	0.0	0.0	1.6
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°	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6
2.5°	1645.2	1644.3	1645.9	1645.9	1650.7	1649.9	1652.3	1652.3	1650.7	1651.5	1654.7
5°	1650.7	1653.1	1657.9	1661.9	1669.1	1672.3	1676.3	1680.3	1681.1	1683.5	1685.9
7.5°	1650.7	1658.7	1664.3	1671.5	1681.1	1686.7	1695.4	1702.6	1705.8	1709.8	1714.6
10°	1647.5	1655.5	1665.9	1673.9	1685.9	1694.7	1703.4	1714.6	1719.4	1725.8	1732.2
12.5°	1641.1	1649.9	1661.1	1671.5	1685.1	1693.0	1704.2	1714.6	1721.8	1730.6	1737.8
15°	1631.6	1641.9	1652.3	1662.7	1677.1	1686.7	1697.1	1709.0	1716.2	1725.8	1732.2
17.5°	1616.4	1627.6	1637.2	1646.7	1660.3	1671.5	1681.1	1692.3	1699.5	1707.4	1716.2
20°	1598.0	1608.4	1618.8	1626.8	1640.4	1649.9	1660.3	1670.7	1676.3	1677.9	1691.5
22.5°	1574.9	1582.0	1590.0	1602.8	1610.8	1619.6	1629.2	1638.7	1644.3	1653.1	1657.9
25°	1536.5	1543.7	1552.5	1558.1	1567.7	1574.9	1584.4	1594.8	1598.0	1604.4	1609.2
27.5°	1483.0	1487.0	1491.0	1495.8	1501.4	1505.4	1511.0	1515.8	1519.0	1522.1	1525.3
30°	1398.4	1398.4	1398.4	1395.2	1397.6	1400.0	1400.8	1400.0	1400.0	1399.2	1399.2
32.5°	1286.6	1280.2	1273.0	1266.6	1264.2	1261.0	1259.4	1257.0	1253.0	1250.6	1251.4
35°	1135.6	1121.2	1112.5	1104.5	1098.1	1093.3	1090.9	1088.5	1087.7	1084.5	1081.3
37.5°	947.2	936.8	930.4	925.6	920.0	915.2	916.0	916.8	919.2	917.6	918.4
40°	747.5	745.1	747.5	741.9	740.3	741.9	745.9	751.5	754.7	757.9	763.5
42.5°	568.6	572.6	578.2	578.2	580.6	583.8	588.6	597.4	602.1	607.7	614.1
45°	428.1	432.9	440.1	442.4	444.0	448.0	453.6	460.8	464.0	468.8	474.4
47.5°	329.8	333.0	337.0	341.0	345.0	346.6	352.2	352.2	356.2	359.4	361.0
50°	257.2	260.3	263.5	265.9	267.5	269.9	271.5	273.9	274.7	276.3	277.1
52.5°	201.2	205.2	205.2	206.8	209.2	211.6	210.8	211.6	212.4	212.4	214.8
55°	157.3	157.3	159.7	159.7	161.3	160.5	161.3	161.3	161.3	161.3	162.1
57.5°	117.4	118.2	120.6	119.0	118.2	119.8	118.2	119.8	119.0	120.6	118.2
60°	90.2	90.2	91.1	91.1	91.8	91.8	91.8	91.1	91.1	90.2	90.2
62.5°	67.9	68.7	69.5	68.7	68.7	68.7	67.9	67.9	67.1	66.3	66.3
65°	45.5	44.7	46.3	44.7	45.5	45.5	44.7	45.5	43.1	43.9	43.1
67.5°	32.7	32.0	31.2	32.0	31.2	30.3	30.3	31.2	32.0	29.6	29.6
70°	21.6	22.4	21.6	22.4	23.2	23.2	22.4	21.6	22.4	20.8	21.6
72.5°	13.6	13.6	13.6	13.6	13.6	14.4	14.4	14.4	12.8	12.8	12.0
75°	6.4	8.8	7.2	6.4	8.8	8.8	8.0	8.0	7.2	7.2	7.2
77.5°	6.4	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.0	4.8	4.0
80°	3.2	3.2	3.2	2.4	3.2	3.2	4.0	3.2	3.2	2.4	4.0
82.5°	1.6	1.6	1.6	0.0	0.8	1.6	1.6	0.8	1.6	1.6	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: P244569

CATALOG NUMBER: LSR8B30D010 EC8B30940 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6
2.5°	1653.9	1653.1	1653.9	1654.7	1653.9	1653.1	1653.9	1654.7	1651.5	1650.7	1652.3
5°	1689.1	1689.1	1690.6	1691.5	1690.6	1689.1	1689.1	1685.9	1683.5	1681.1	1680.3
7.5°	1719.4	1721.0	1722.6	1723.4	1722.6	1721.0	1719.4	1714.6	1709.8	1705.8	1702.6
10°	1737.8	1740.2	1743.4	1745.0	1743.4	1740.2	1737.8	1732.2	1725.8	1719.4	1714.6
12.5°	1745.8	1748.2	1752.2	1751.4	1752.2	1748.2	1745.8	1737.8	1730.6	1721.8	1714.6
15°	1740.2	1743.4	1747.4	1749.0	1747.4	1743.4	1740.2	1732.2	1725.8	1716.2	1709.0
17.5°	1722.6	1727.4	1729.8	1732.2	1729.8	1727.4	1722.6	1716.2	1707.4	1699.5	1692.3
20°	1698.6	1701.9	1705.0	1705.8	1705.0	1701.9	1698.6	1691.5	1677.9	1676.3	1670.7
22.5°	1664.3	1666.7	1673.9	1671.5	1673.9	1666.7	1664.3	1657.9	1653.1	1644.3	1638.7
25°	1614.8	1617.2	1618.0	1618.8	1618.0	1617.2	1614.8	1609.2	1604.4	1598.0	1594.8
27.5°	1529.3	1529.3	1530.9	1531.7	1530.9	1529.3	1529.3	1525.3	1522.1	1519.0	1515.8
30°	1400.0	1400.0	1400.0	1404.0	1400.0	1400.0	1400.0	1399.2	1399.2	1400.0	1400.0
32.5°	1250.6	1249.0	1247.4	1249.0	1247.4	1249.0	1250.6	1251.4	1250.6	1253.0	1257.0
35°	1081.3	1080.5	1082.9	1079.7	1082.9	1080.5	1081.3	1081.3	1084.5	1087.7	1088.5
37.5°	919.2	917.6	920.8	917.6	920.8	917.6	919.2	918.4	917.6	919.2	916.8
40°	765.1	766.7	766.7	773.1	766.7	766.7	765.1	763.5	757.9	754.7	751.5
42.5°	617.3	622.1	620.5	625.3	620.5	622.1	617.3	614.1	607.7	602.1	597.4
45°	477.6	480.8	480.8	482.4	480.8	480.8	477.6	474.4	468.8	464.0	460.8
47.5°	366.6	366.6	366.6	367.4	366.6	366.6	366.6	361.0	359.4	356.2	352.2
50°	278.7	279.5	280.3	281.1	280.3	279.5	278.7	277.1	276.3	274.7	273.9
52.5°	214.0	214.8	213.2	214.8	213.2	214.8	214.0	214.8	212.4	212.4	211.6
55°	162.1	161.3	162.1	162.9	162.1	161.3	162.1	162.1	161.3	161.3	161.3
57.5°	119.0	117.4	117.4	117.4	117.4	117.4	119.0	118.2	120.6	119.0	119.8
60°	88.7	89.4	89.4	90.2	89.4	89.4	88.7	90.2	90.2	91.1	91.1
62.5°	65.5	67.9	66.3	67.9	66.3	67.9	65.5	66.3	66.3	67.1	67.9
65°	42.3	42.3	42.3	43.1	42.3	42.3	42.3	43.1	43.9	43.1	45.5
67.5°	28.8	29.6	31.2	30.3	31.2	29.6	28.8	29.6	29.6	32.0	31.2
70°	23.2	20.8	20.8	23.2	20.8	20.8	23.2	21.6	20.8	22.4	21.6
72.5°	13.6	12.0	13.6	13.6	13.6	12.0	13.6	12.0	12.8	12.8	14.4
75°	7.2	6.4	5.6	8.0	5.6	6.4	7.2	7.2	7.2	7.2	8.0
77.5°	4.8	4.0	5.6	5.6	5.6	4.0	4.8	4.0	4.8	4.0	4.8
80°	2.4	3.2	2.4	4.0	2.4	3.2	2.4	4.0	2.4	3.2	3.2
82.5°	0.8	1.6	1.6	1.6	1.6	1.6	0.8	0.8	1.6	1.6	0.8
85°	0.0	1.6	0.8	0.8	0.8	1.6	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: P244569

CATALOG NUMBER: LSR8B30D010 EC8B30940 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6
2.5°	1652.3	1649.9	1650.7	1645.9	1645.9	1644.3	1645.2	1641.1	1639.6	1638.0	1640.4
5°	1676.3	1672.3	1669.1	1661.9	1657.9	1653.1	1650.7	1644.3	1638.7	1633.9	1633.2
7.5°	1695.4	1686.7	1681.1	1671.5	1664.3	1658.7	1650.7	1641.9	1634.8	1628.4	1623.6
10°	1703.4	1694.7	1685.9	1673.9	1665.9	1655.5	1647.5	1636.3	1626.8	1618.0	1612.4
12.5°	1704.2	1693.0	1685.1	1671.5	1661.1	1649.9	1641.1	1628.4	1617.2	1608.4	1599.6
15°	1697.1	1686.7	1677.1	1662.7	1652.3	1641.9	1631.6	1618.0	1607.6	1597.2	1590.9
17.5°	1681.1	1671.5	1660.3	1646.7	1637.2	1627.6	1616.4	1605.2	1593.2	1582.0	1574.1
20°	1660.3	1649.9	1640.4	1626.8	1618.8	1608.4	1598.0	1586.1	1576.5	1565.3	1556.5
22.5°	1629.2	1619.6	1610.8	1602.8	1590.0	1582.0	1574.9	1561.3	1551.7	1541.3	1531.7
25°	1584.4	1574.9	1567.7	1558.1	1552.5	1543.7	1536.5	1524.5	1515.8	1506.2	1498.2
27.5°	1511.0	1505.4	1501.4	1495.8	1491.0	1487.0	1483.0	1473.4	1467.1	1458.3	1450.3
30°	1400.8	1400.0	1397.6	1395.2	1398.4	1398.4	1398.4	1396.8	1391.2	1384.8	1379.2
32.5°	1259.4	1261.0	1264.2	1266.6	1273.0	1280.2	1286.6	1289.7	1289.7	1285.8	1283.4
35°	1090.9	1093.3	1098.1	1104.5	1112.5	1121.2	1135.6	1138.8	1141.2	1141.2	1138.0
37.5°	916.0	915.2	920.0	925.6	930.4	936.8	947.2	949.6	953.5	952.0	948.7
40°	745.9	741.9	740.3	741.9	747.5	745.1	747.5	745.9	745.9	740.3	740.3
42.5°	588.6	583.8	580.6	578.2	578.2	572.6	568.6	564.6	562.2	558.2	557.4
45°	453.6	448.0	444.0	442.4	440.1	432.9	428.1	423.3	417.7	416.1	416.9
47.5°	352.2	346.6	345.0	341.0	337.0	333.0	329.8	324.2	323.4	320.2	323.4
50°	271.5	269.9	267.5	265.9	263.5	260.3	257.2	254.0	252.4	252.4	253.1
52.5°	210.8	211.6	209.2	206.8	205.2	205.2	201.2	200.5	200.5	197.3	200.5
55°	161.3	160.5	161.3	159.7	159.7	157.3	157.3	154.9	154.9	152.5	154.1
57.5°	118.2	119.8	118.2	119.0	120.6	118.2	117.4	115.0	116.6	115.0	115.8
60°	91.8	91.8	91.8	91.1	91.1	90.2	90.2	89.4	89.4	87.8	89.4
62.5°	67.9	68.7	68.7	68.7	69.5	68.7	67.9	68.7	67.9	67.9	68.7
65°	44.7	45.5	45.5	44.7	46.3	44.7	45.5	46.3	47.1	46.3	47.1
67.5°	30.3	30.3	31.2	32.0	31.2	32.0	32.7	32.0	32.7	34.4	32.7
70°	22.4	23.2	23.2	22.4	21.6	22.4	21.6	24.0	24.0	24.0	25.5
72.5°	14.4	14.4	13.6	13.6	13.6	13.6	13.6	16.0	14.4	13.6	15.2
75°	8.0	8.8	8.8	6.4	7.2	8.8	6.4	7.2	9.6	8.0	9.6
77.5°	4.8	4.8	4.8	4.8	4.8	4.8	6.4	5.6	5.6	5.6	6.4
80°	4.0	3.2	3.2	2.4	3.2	3.2	3.2	4.8	4.0	4.0	4.8
82.5°	1.6	1.6	0.8	0.0	1.6	1.6	1.6	1.6	1.6	1.6	3.2
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	1.6	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: P244569

CATALOG NUMBER: LSR8B30D010 EC8B30940 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6
2.5°	1633.9	1633.9	1633.2	1631.6	1628.4	1628.4	1627.6	1625.2	1623.6	1622.8	1622.8
5°	1626.0	1622.8	1619.6	1610.8	1610.8	1609.2	1604.4	1601.2	1599.6	1595.6	1594.0
7.5°	1618.8	1609.2	1603.6	1598.0	1590.9	1587.6	1582.0	1579.6	1574.1	1570.1	1567.7
10°	1601.2	1594.8	1587.6	1578.9	1573.3	1566.9	1560.5	1555.7	1548.5	1544.5	1541.3
12.5°	1589.2	1579.6	1573.3	1563.7	1554.1	1548.5	1539.7	1534.1	1526.9	1519.0	1514.2
15°	1578.1	1567.7	1558.9	1548.5	1538.1	1531.7	1521.4	1515.0	1504.6	1496.6	1491.0
17.5°	1561.3	1552.5	1542.9	1530.1	1520.6	1512.6	1501.4	1493.4	1483.8	1473.4	1467.8
20°	1543.7	1533.3	1523.8	1511.0	1501.4	1491.8	1480.6	1471.9	1460.6	1451.1	1444.7
22.5°	1520.6	1508.6	1500.6	1487.8	1476.6	1466.3	1455.9	1445.5	1435.1	1427.1	1419.9
25°	1487.0	1474.2	1465.4	1455.1	1444.7	1436.7	1423.9	1417.6	1407.2	1400.0	1392.8
27.5°	1439.1	1429.5	1421.5	1411.1	1402.4	1396.0	1386.4	1380.0	1371.2	1364.8	1359.2
30°	1368.8	1360.8	1353.6	1343.3	1336.9	1331.3	1322.5	1316.9	1310.5	1303.3	1301.7
32.5°	1274.6	1268.2	1261.0	1253.8	1249.0	1245.8	1238.6	1235.4	1229.1	1225.1	1221.1
35°	1132.4	1126.8	1122.9	1119.7	1118.1	1118.8	1117.3	1120.5	1122.0	1121.2	1122.0
37.5°	946.4	943.2	944.8	947.2	955.1	965.5	975.1	989.5	999.1	1008.7	1017.4
40°	738.7	741.1	747.5	761.9	782.6	805.8	827.4	854.5	881.7	900.8	918.4
42.5°	557.4	564.6	580.6	601.4	632.5	666.8	700.4	740.3	773.1	805.0	827.4
45°	419.3	428.8	449.6	478.4	512.7	552.6	595.0	639.7	678.8	711.6	736.3
47.5°	326.6	335.4	356.2	386.5	428.8	470.4	514.3	560.6	601.4	633.3	654.9
50°	257.9	269.1	287.5	319.4	361.8	405.7	451.2	496.7	535.1	562.2	581.4
52.5°	202.9	213.2	230.8	264.4	307.5	351.4	393.7	438.4	472.0	498.3	511.1
55°	157.3	166.9	185.3	213.2	254.0	297.1	339.4	377.8	408.9	428.1	440.1
57.5°	119.8	127.0	139.8	167.7	204.5	244.4	280.3	318.7	342.6	356.2	364.2
60°	91.1	96.6	110.2	131.8	165.3	199.7	230.0	258.8	277.9	289.1	297.1
62.5°	68.7	75.1	84.6	103.0	128.6	156.5	182.1	203.6	219.6	226.8	232.4
65°	47.1	51.9	59.1	73.5	95.0	115.0	135.0	150.9	161.3	169.3	172.5
67.5°	35.1	38.3	42.3	53.5	68.7	84.6	98.2	109.4	120.6	123.8	129.4
70°	26.4	28.8	32.7	40.7	49.5	60.7	71.9	78.3	86.3	91.8	93.5
72.5°	16.8	17.6	21.6	26.4	33.5	40.7	47.9	53.5	58.3	61.5	63.1
75°	9.6	14.4	14.4	19.2	24.0	27.2	32.0	35.9	38.3	40.7	40.7
77.5°	6.4	8.8	9.6	12.0	14.4	18.4	22.4	24.8	27.2	27.9	27.9
80°	5.6	6.4	6.4	8.8	10.4	13.6	16.0	16.8	18.4	19.2	20.8
82.5°	2.4	3.2	4.0	6.4	7.2	7.2	9.6	10.4	12.0	12.8	12.8
85°	0.8	1.6	1.6	2.4	4.0	4.8	5.6	6.4	7.2	7.2	8.0
87.5°	0.8	0.8	0.0	0.8	1.6	1.6	3.2	3.2	3.2	4.8	4.8
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: P244569

CATALOG NUMBER: LSR8B30D010 EC8B30940 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6	1635.6
2.5°	1621.2	1622.0	1618.8	1618.0	1616.4	1617.2	1618.8
5°	1591.6	1592.4	1589.2	1586.1	1586.1	1585.2	1586.1
7.5°	1563.7	1564.5	1559.7	1558.1	1554.9	1555.7	1555.7
10°	1535.7	1535.7	1528.6	1527.7	1525.3	1524.5	1524.5
12.5°	1508.6	1506.2	1500.6	1497.4	1499.0	1494.2	1494.2
15°	1484.6	1480.6	1473.4	1471.0	1467.1	1465.4	1465.4
17.5°	1459.9	1456.7	1450.3	1445.5	1440.7	1439.9	1440.7
20°	1435.9	1432.7	1424.7	1421.5	1417.6	1417.6	1415.9
22.5°	1411.9	1408.7	1401.6	1399.2	1393.6	1393.6	1394.4
25°	1387.2	1384.8	1376.8	1375.2	1374.4	1371.2	1372.8
27.5°	1353.6	1352.0	1345.7	1343.3	1340.1	1339.3	1340.9
30°	1292.1	1289.7	1285.0	1282.6	1277.0	1277.8	1279.4
32.5°	1215.5	1212.3	1205.9	1203.5	1198.7	1197.1	1197.9
35°	1119.7	1117.3	1111.7	1111.7	1106.9	1105.3	1106.9
37.5°	1022.2	1024.6	1022.2	1024.6	1022.2	1021.4	1022.2
40°	930.4	939.2	940.8	949.6	946.4	951.1	950.3
42.5°	842.5	856.9	862.5	869.7	868.1	871.3	873.7
45°	753.9	765.9	771.5	776.3	777.1	778.7	779.4
47.5°	670.0	679.6	680.4	686.0	685.2	685.2	687.6
50°	591.8	598.2	599.7	603.8	600.6	599.0	599.7
52.5°	519.1	525.5	523.9	525.5	521.5	519.9	520.7
55°	444.8	448.0	448.0	448.0	443.2	443.2	443.2
57.5°	369.0	369.8	368.2	369.0	368.2	363.4	362.6
60°	299.5	299.5	298.7	299.5	297.1	294.7	294.7
62.5°	234.0	235.6	238.8	235.6	234.0	235.6	233.2
65°	174.9	178.1	177.3	178.9	178.1	178.1	176.5
67.5°	131.8	132.6	133.4	134.2	134.2	134.2	134.2
70°	96.6	99.0	98.2	98.2	98.2	98.2	103.0
72.5°	64.7	67.9	67.1	68.7	68.7	70.3	68.7
75°	43.9	47.1	45.5	47.9	47.1	45.5	49.5
77.5°	29.6	31.2	32.0	32.7	32.0	31.2	32.0
80°	20.8	22.4	21.6	22.4	22.4	22.4	23.2
82.5°	12.8	15.2	14.4	15.2	14.4	15.2	15.2
85°	8.8	9.6	8.0	9.6	8.8	8.8	10.4
87.5°	5.6	4.8	4.8	5.6	4.8	5.6	4.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)