

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: P244563

Luminaire Tested: **LSR8B30D010 EC8B30935 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244563  
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 EC8B30935 8LBSW0H  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
90 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2638.0 lumens  
Efficiency: N/A  
Efficacy: 97.3 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

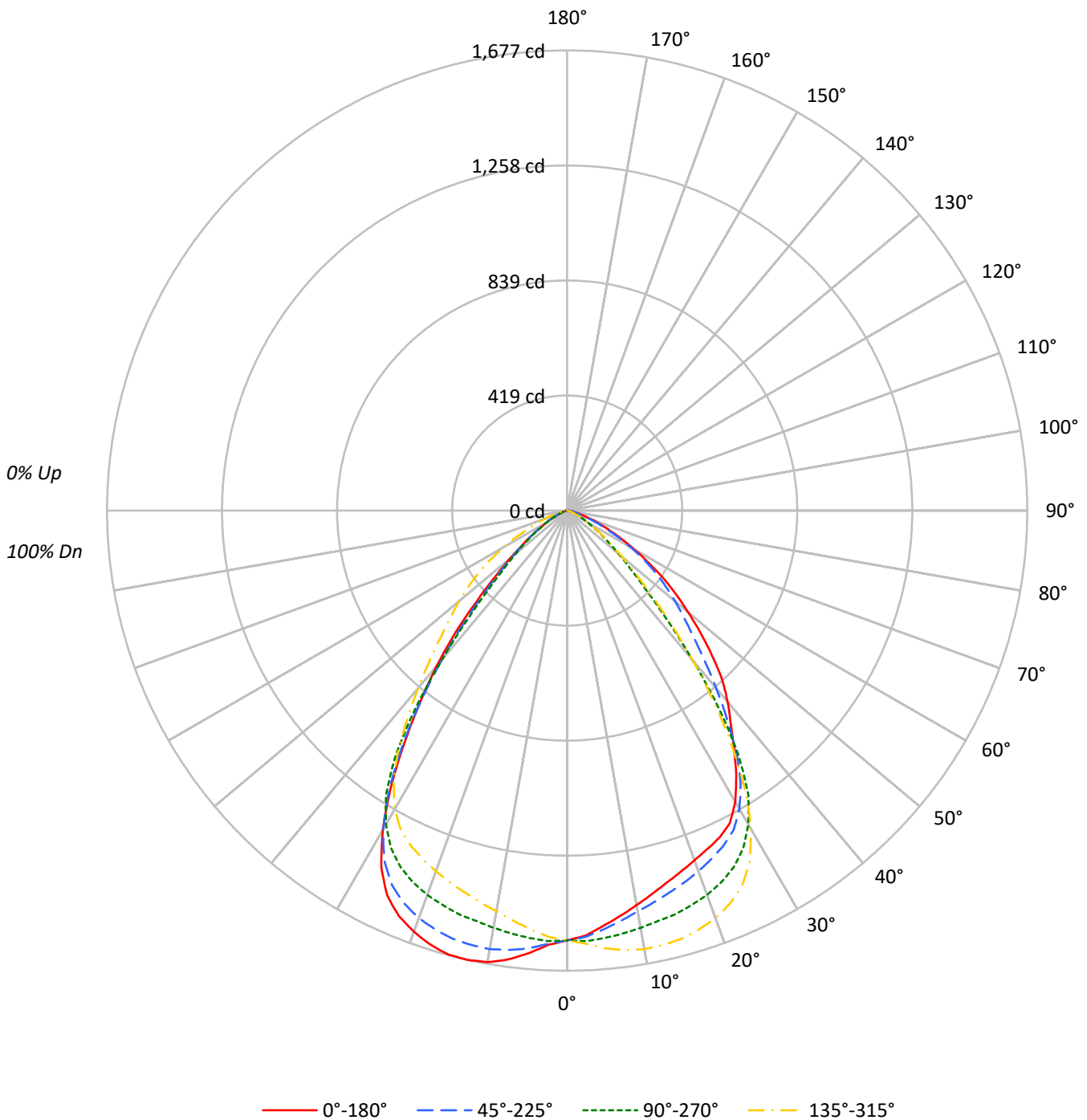
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P244563

CATALOG NUMBER: LSR8B30D010 EC8B30935 8LBSW0H

### Luminous Intensity Polar Plot





TEST NUMBER: P244563

CATALOG NUMBER: LSR8B30D010 EC8B30935 8LBSW0H

**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°	48293	48293	48293	48293
5°	47010	48406	50133	48406
10°	45709	48343	52316	48343
15°	44796	48630	53463	48630
20°	44491	48908	53601	48908
25°	44725	48811	52737	48811
30°	43618	47022	47870	47022
35°	39899	41021	38920	41021
40°	36631	28536	29796	28536
45°	32545	17409	20143	17409
50°	27551	11629	12914	11629
55°	22816	7935	8387	7935
60°	17404	5279	5329	5279
65°	12331	3291	3013	3291
70°	8890	2209	2002	2209
75°	5647	1096	905	1096
80°	3942	817	675	817
85°	3503	0	283	0



TEST NUMBER: P244563

CATALOG NUMBER: LSR8B30D010 EC8B30935 8LBSW0H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.1	5.7
10°-20°	431.7	16.4
20°-30°	653.6	24.8
30°-40°	655.1	24.8
40°-50°	411.4	15.6
50°-60°	219.2	8.3
60°-70°	90.1	3.4
70°-80°	23.8	0.9
80°-90°	4.0	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°	1234.3	46.8
0°-40°	1889.4	71.6
0°-60°	2520.0	95.5
0°-90°	2638.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2638.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1566	1566	1566	1566	1566	
5°	1519	1564	1620	1564	1519	143
15°	1403	1523	1675	1523	1403	397
25°	1314	1435	1550	1435	1314	603
35°	1060	1090	1034	1090	1060	664
45°	746	399	462	399	746	574
55°	424	148	156	148	424	378
65°	169	45	41	45	169	175
75°	47	9	8	9	47	54
85°	10	0	1	0	10	11
90°	0	0	0	0	0	



TEST NUMBER: P244563

CATALOG NUMBER: LSR8B30D010 EC8B30935 8LBSW0H

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1
2.5°	1550.0	1548.5	1547.7	1549.3	1550.0	1553.1	1552.3	1553.9	1553.9	1554.6	1556.2
5°	1518.7	1517.9	1518.7	1518.7	1521.7	1524.8	1524.0	1526.3	1527.9	1531.7	1533.2
7.5°	1489.6	1489.6	1488.9	1491.9	1493.5	1498.0	1497.3	1501.1	1503.4	1507.2	1512.6
10°	1459.8	1459.8	1460.6	1462.9	1463.6	1470.5	1470.5	1475.9	1478.9	1482.7	1489.6
12.5°	1430.8	1430.8	1435.3	1433.8	1436.9	1442.2	1444.5	1449.9	1454.5	1462.1	1469.0
15°	1403.2	1403.2	1404.8	1408.6	1410.9	1417.8	1421.6	1427.7	1433.0	1440.7	1450.6
17.5°	1379.5	1378.8	1379.5	1384.1	1388.7	1394.8	1397.9	1405.5	1410.9	1420.8	1430.0
20°	1355.8	1357.4	1357.4	1361.2	1364.2	1371.9	1374.9	1383.4	1389.5	1398.6	1409.3
22.5°	1335.2	1334.4	1334.4	1339.8	1342.1	1348.9	1352.0	1359.6	1366.5	1374.2	1384.1
25°	1314.5	1313.0	1316.1	1316.8	1318.3	1326.0	1328.3	1333.6	1340.5	1347.4	1357.4
27.5°	1283.9	1282.4	1283.2	1286.2	1288.5	1294.6	1296.2	1301.5	1306.9	1313.0	1321.4
30°	1225.0	1223.5	1222.8	1228.1	1230.4	1235.0	1237.3	1246.5	1248.0	1254.9	1261.0
32.5°	1147.0	1146.3	1147.8	1152.4	1154.7	1160.8	1163.9	1169.2	1173.0	1176.9	1183.0
35°	1059.9	1058.3	1059.9	1064.5	1064.5	1069.8	1072.1	1074.4	1073.6	1074.4	1072.9
37.5°	978.8	978.0	978.8	981.1	978.8	981.1	978.8	974.2	965.8	956.6	947.4
40°	910.0	910.7	906.2	909.2	900.8	899.3	890.9	879.4	862.6	844.2	818.2
42.5°	836.6	834.3	831.2	832.7	825.9	820.5	806.7	792.2	770.8	740.2	708.9
45°	746.3	745.6	744.1	743.3	738.7	733.3	721.9	705.1	681.4	650.0	612.5
47.5°	658.4	656.1	656.1	656.9	651.5	650.8	641.6	627.1	606.4	575.8	536.8
50°	574.3	573.5	575.1	578.1	574.3	572.8	566.7	556.7	538.4	512.4	475.6
52.5°	498.6	497.8	499.4	503.2	501.6	503.2	497.1	489.4	477.2	451.9	419.8
55°	424.4	424.4	424.4	429.0	429.0	429.0	425.9	421.4	409.9	391.5	361.7
57.5°	347.2	347.9	352.5	353.3	352.5	354.1	353.3	348.7	341.1	328.1	305.1
60°	282.2	282.2	284.5	286.8	286.0	286.8	286.8	284.5	276.8	266.1	247.8
62.5°	223.3	225.6	224.0	225.6	228.6	225.6	224.0	222.5	217.2	210.3	195.0
65°	169.0	170.5	170.5	171.3	169.7	170.5	167.5	165.2	162.1	154.5	144.5
67.5°	128.5	128.5	128.5	128.5	127.7	126.9	126.2	123.9	118.5	115.5	104.8
70°	98.6	94.0	94.0	94.0	94.0	94.8	92.5	89.5	87.9	82.6	74.9
72.5°	65.8	67.3	65.8	65.8	64.2	65.0	61.9	60.4	58.9	55.8	51.2
75°	47.4	43.6	45.1	45.9	43.6	45.1	42.1	39.0	39.0	36.7	34.4
77.5°	30.6	29.8	30.6	31.3	30.6	29.8	28.3	26.8	26.8	26.0	23.7
80°	22.2	21.4	21.4	21.4	20.6	21.4	19.9	19.9	18.4	17.6	16.1
82.5°	14.5	14.5	13.8	14.5	13.8	14.5	12.2	12.2	12.2	11.5	9.9
85°	9.9	8.4	8.4	9.2	7.6	9.2	8.4	7.6	6.9	6.9	6.1
87.5°	4.6	5.4	4.6	5.4	4.6	4.6	5.4	4.6	4.6	3.1	3.1
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: P244563

CATALOG NUMBER: LSR8B30D010 EC8B30935 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1
2.5°	1558.4	1559.2	1559.2	1562.3	1563.8	1564.6	1564.6	1570.7	1568.4	1569.9	1571.4
5°	1536.3	1540.9	1542.4	1542.4	1550.8	1553.9	1556.9	1563.8	1564.6	1569.2	1574.5
7.5°	1514.9	1520.2	1523.3	1530.2	1535.5	1540.9	1550.0	1554.6	1559.2	1565.3	1572.2
10°	1494.2	1500.3	1506.5	1511.8	1520.2	1527.1	1533.2	1543.9	1549.3	1557.7	1566.9
12.5°	1474.3	1482.7	1488.1	1497.3	1506.5	1512.6	1521.7	1531.7	1540.1	1548.5	1559.2
15°	1456.8	1466.7	1472.8	1482.7	1492.7	1501.1	1511.0	1523.3	1529.4	1539.3	1549.3
17.5°	1437.6	1448.3	1456.0	1465.2	1477.4	1486.6	1495.0	1507.2	1514.9	1525.6	1537.0
20°	1417.8	1428.5	1437.6	1446.8	1459.0	1468.2	1478.2	1490.4	1498.8	1509.5	1518.7
22.5°	1394.1	1404.0	1413.9	1424.6	1436.9	1444.5	1456.0	1466.7	1475.9	1485.8	1495.0
25°	1363.5	1375.7	1383.4	1393.3	1403.2	1411.6	1423.9	1434.6	1442.2	1451.4	1459.8
27.5°	1327.5	1336.7	1342.8	1351.2	1361.2	1368.8	1378.0	1388.7	1396.3	1404.8	1410.9
30°	1266.3	1274.8	1280.1	1286.2	1296.2	1303.1	1310.7	1320.6	1326.0	1332.1	1337.5
32.5°	1186.0	1192.9	1196.0	1200.6	1207.5	1214.3	1220.5	1228.9	1231.2	1235.0	1235.0
35°	1069.8	1071.3	1070.6	1072.1	1075.2	1079.0	1084.3	1089.7	1092.7	1092.7	1090.5
37.5°	933.7	924.5	914.6	906.9	904.6	903.1	906.2	908.4	911.5	913.0	909.2
40°	792.2	771.6	749.4	729.5	715.8	709.6	707.3	708.9	708.9	714.2	714.2
42.5°	670.6	638.5	605.7	575.8	555.9	540.7	533.8	533.8	534.5	538.4	540.7
45°	569.7	529.2	490.9	458.1	430.5	410.6	401.5	399.2	398.4	399.9	405.3
47.5°	492.5	450.4	410.6	370.1	341.1	321.2	312.8	309.7	306.6	309.7	310.5
50°	432.1	388.5	346.4	305.9	275.3	257.7	247.0	242.4	241.6	241.6	243.2
52.5°	377.0	336.5	294.4	253.1	221.0	204.2	194.2	191.9	188.9	191.9	191.9
55°	325.0	284.5	243.2	204.2	177.4	159.8	150.6	147.6	146.0	148.3	148.3
57.5°	268.4	234.0	195.8	160.6	133.8	121.6	114.7	110.9	110.1	111.6	110.1
60°	220.2	191.2	158.3	126.2	105.5	92.5	87.2	85.6	84.1	85.6	85.6
62.5°	174.3	149.9	123.1	98.6	81.0	71.9	65.8	65.8	65.0	65.0	65.8
65°	129.2	110.1	91.0	70.3	56.6	49.7	45.1	45.1	44.3	45.1	44.3
67.5°	94.0	81.0	65.8	51.2	40.5	36.7	33.6	31.3	32.9	31.3	30.6
70°	68.8	58.1	47.4	39.0	31.3	27.5	25.2	24.5	22.9	22.9	22.9
72.5°	45.9	39.0	32.1	25.2	20.6	16.8	16.1	14.5	13.0	13.8	15.3
75°	30.6	26.0	22.9	18.4	13.8	13.8	9.2	9.2	7.6	9.2	6.9
77.5°	21.4	17.6	13.8	11.5	9.2	8.4	6.1	6.1	5.4	5.4	5.4
80°	15.3	13.0	9.9	8.4	6.1	6.1	5.4	4.6	3.8	3.8	4.6
82.5°	9.2	6.9	6.9	6.1	3.8	3.1	2.3	3.1	1.5	1.5	1.5
85°	5.4	4.6	3.8	2.3	1.5	1.5	0.8	0.0	0.8	0.8	0.0
87.5°	3.1	1.5	1.5	0.8	0.0	0.8	0.8	0.0	0.0	0.0	1.5
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: P244563

CATALOG NUMBER: LSR8B30D010 EC8B30935 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1
2.5°	1575.3	1574.5	1576.0	1576.0	1580.6	1579.9	1582.1	1582.1	1580.6	1581.4	1584.4
5°	1580.6	1582.9	1587.5	1591.3	1598.2	1601.3	1605.1	1608.9	1609.7	1612.0	1614.3
7.5°	1580.6	1588.3	1593.6	1600.5	1609.7	1615.0	1623.4	1630.3	1633.4	1637.2	1641.8
10°	1577.6	1585.2	1595.1	1602.8	1614.3	1622.7	1631.1	1641.8	1646.4	1652.5	1658.6
12.5°	1571.4	1579.9	1590.6	1600.5	1613.5	1621.1	1631.8	1641.8	1648.7	1657.1	1664.0
15°	1562.3	1572.2	1582.1	1592.1	1605.9	1615.0	1625.0	1636.4	1643.3	1652.5	1658.6
17.5°	1547.7	1558.4	1567.6	1576.8	1589.8	1600.5	1609.7	1620.4	1627.3	1634.9	1643.3
20°	1530.2	1540.1	1550.0	1557.7	1570.7	1579.9	1589.8	1599.7	1605.1	1606.6	1619.6
22.5°	1508.0	1514.9	1522.5	1534.7	1542.4	1550.8	1560.0	1569.2	1574.5	1582.9	1587.5
25°	1471.3	1478.2	1486.6	1491.9	1501.1	1508.0	1517.2	1527.1	1530.2	1536.3	1540.9
27.5°	1420.1	1423.9	1427.7	1432.3	1437.6	1441.5	1446.8	1451.4	1454.5	1457.5	1460.6
30°	1339.0	1339.0	1339.0	1335.9	1338.2	1340.5	1341.3	1340.5	1340.5	1339.8	1339.8
32.5°	1231.9	1225.8	1218.9	1212.8	1210.5	1207.5	1205.9	1203.6	1199.8	1197.5	1198.3
35°	1087.4	1073.6	1065.2	1057.6	1051.5	1046.9	1044.6	1042.3	1041.5	1038.5	1035.4
37.5°	906.9	897.0	890.9	886.3	880.9	876.3	877.1	877.9	880.2	878.6	879.4
40°	715.8	713.5	715.8	710.4	708.9	710.4	714.2	719.6	722.6	725.7	731.1
42.5°	544.5	548.3	553.7	553.7	555.9	559.0	563.6	572.0	576.6	581.9	588.1
45°	409.9	414.5	421.4	423.6	425.2	429.0	434.4	441.2	444.3	448.9	454.2
47.5°	315.8	318.9	322.7	326.5	330.3	331.9	337.2	337.2	341.1	344.1	345.6
50°	246.2	249.3	252.3	254.6	256.2	258.5	260.0	262.3	263.0	264.6	265.3
52.5°	192.7	196.5	196.5	198.0	200.3	202.6	201.9	202.6	203.4	203.4	205.7
55°	150.6	150.6	152.9	152.9	154.5	153.7	154.5	154.5	154.5	154.5	155.2
57.5°	112.4	113.2	115.5	113.9	113.2	114.7	113.2	114.7	113.9	115.5	113.2
60°	86.4	86.4	87.2	87.2	87.9	87.9	87.9	87.2	87.2	86.4	86.4
62.5°	65.0	65.8	66.5	65.8	65.8	65.8	65.0	65.0	64.2	63.5	63.5
65°	43.6	42.8	44.3	42.8	43.6	43.6	42.8	43.6	41.3	42.1	41.3
67.5°	31.3	30.6	29.8	30.6	29.8	29.1	29.1	29.8	30.6	28.3	28.3
70°	20.6	21.4	20.6	21.4	22.2	22.2	21.4	20.6	21.4	19.9	20.6
72.5°	13.0	13.0	13.0	13.0	13.0	13.8	13.8	13.8	12.2	12.2	11.5
75°	6.1	8.4	6.9	6.1	8.4	8.4	7.6	7.6	6.9	6.9	6.9
77.5°	6.1	4.6	4.6	4.6	4.6	4.6	4.6	4.6	3.8	4.6	3.8
80°	3.1	3.1	3.1	2.3	3.1	3.1	3.8	3.1	3.1	2.3	3.8
82.5°	1.5	1.5	1.5	0.0	0.8	1.5	1.5	0.8	1.5	1.5	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: P244563

CATALOG NUMBER: LSR8B30D010 EC8B30935 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1
2.5°	1583.7	1582.9	1583.7	1584.4	1583.7	1582.9	1583.7	1584.4	1581.4	1580.6	1582.1
5°	1617.3	1617.3	1618.9	1619.6	1618.9	1617.3	1617.3	1614.3	1612.0	1609.7	1608.9
7.5°	1646.4	1647.9	1649.4	1650.2	1649.4	1647.9	1646.4	1641.8	1637.2	1633.4	1630.3
10°	1664.0	1666.3	1669.3	1670.8	1669.3	1666.3	1664.0	1658.6	1652.5	1646.4	1641.8
12.5°	1671.6	1673.9	1677.7	1677.0	1677.7	1673.9	1671.6	1664.0	1657.1	1648.7	1641.8
15°	1666.3	1669.3	1673.1	1674.7	1673.1	1669.3	1666.3	1658.6	1652.5	1643.3	1636.4
17.5°	1649.4	1654.0	1656.3	1658.6	1656.3	1654.0	1649.4	1643.3	1634.9	1627.3	1620.4
20°	1626.5	1629.6	1632.6	1633.4	1632.6	1629.6	1626.5	1619.6	1606.6	1605.1	1599.7
22.5°	1593.6	1595.9	1602.8	1600.5	1602.8	1595.9	1593.6	1587.5	1582.9	1574.5	1569.2
25°	1546.2	1548.5	1549.3	1550.0	1549.3	1548.5	1546.2	1540.9	1536.3	1530.2	1527.1
27.5°	1464.4	1464.4	1465.9	1466.7	1465.9	1464.4	1464.4	1460.6	1457.5	1454.5	1451.4
30°	1340.5	1340.5	1340.5	1344.4	1340.5	1340.5	1340.5	1339.8	1339.8	1340.5	1340.5
32.5°	1197.5	1196.0	1194.5	1196.0	1194.5	1196.0	1197.5	1198.3	1197.5	1199.8	1203.6
35°	1035.4	1034.6	1036.9	1033.9	1036.9	1034.6	1035.4	1035.4	1038.5	1041.5	1042.3
37.5°	880.2	878.6	881.7	878.6	881.7	878.6	880.2	879.4	878.6	880.2	877.9
40°	732.6	734.1	734.1	740.2	734.1	734.1	732.6	731.1	725.7	722.6	719.6
42.5°	591.1	595.7	594.2	598.8	594.2	595.7	591.1	588.1	581.9	576.6	572.0
45°	457.3	460.4	460.4	461.9	460.4	460.4	457.3	454.2	448.9	444.3	441.2
47.5°	351.0	351.0	351.0	351.8	351.0	351.0	351.0	345.6	344.1	341.1	337.2
50°	266.9	267.6	268.4	269.2	268.4	267.6	266.9	265.3	264.6	263.0	262.3
52.5°	204.9	205.7	204.2	205.7	204.2	205.7	204.9	205.7	203.4	203.4	202.6
55°	155.2	154.5	155.2	156.0	155.2	154.5	155.2	155.2	154.5	154.5	154.5
57.5°	113.9	112.4	112.4	112.4	112.4	112.4	113.9	113.2	115.5	113.9	114.7
60°	84.9	85.6	85.6	86.4	85.6	85.6	84.9	86.4	86.4	87.2	87.2
62.5°	62.7	65.0	63.5	65.0	63.5	65.0	62.7	63.5	63.5	64.2	65.0
65°	40.5	40.5	40.5	41.3	40.5	40.5	40.5	41.3	42.1	41.3	43.6
67.5°	27.5	28.3	29.8	29.1	29.8	28.3	27.5	28.3	28.3	30.6	29.8
70°	22.2	19.9	19.9	22.2	19.9	19.9	22.2	20.6	19.9	21.4	20.6
72.5°	13.0	11.5	13.0	13.0	13.0	11.5	13.0	11.5	12.2	12.2	13.8
75°	6.9	6.1	5.4	7.6	5.4	6.1	6.9	6.9	6.9	6.9	7.6
77.5°	4.6	3.8	5.4	5.4	5.4	3.8	4.6	3.8	4.6	3.8	4.6
80°	2.3	3.1	2.3	3.8	2.3	3.1	2.3	3.8	2.3	3.1	3.1
82.5°	0.8	1.5	1.5	1.5	1.5	1.5	0.8	0.8	1.5	1.5	0.8
85°	0.0	1.5	0.8	0.8	0.8	1.5	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: P244563

CATALOG NUMBER: LSR8B30D010 EC8B30935 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1
2.5°	1582.1	1579.9	1580.6	1576.0	1576.0	1574.5	1575.3	1571.4	1569.9	1568.4	1570.7
5°	1605.1	1601.3	1598.2	1591.3	1587.5	1582.9	1580.6	1574.5	1569.2	1564.6	1563.8
7.5°	1623.4	1615.0	1609.7	1600.5	1593.6	1588.3	1580.6	1572.2	1565.3	1559.2	1554.6
10°	1631.1	1622.7	1614.3	1602.8	1595.1	1585.2	1577.6	1566.9	1557.7	1549.3	1543.9
12.5°	1631.8	1621.1	1613.5	1600.5	1590.6	1579.9	1571.4	1559.2	1548.5	1540.1	1531.7
15°	1625.0	1615.0	1605.9	1592.1	1582.1	1572.2	1562.3	1549.3	1539.3	1529.4	1523.3
17.5°	1609.7	1600.5	1589.8	1576.8	1567.6	1558.4	1547.7	1537.0	1525.6	1514.9	1507.2
20°	1589.8	1579.9	1570.7	1557.7	1550.0	1540.1	1530.2	1518.7	1509.5	1498.8	1490.4
22.5°	1560.0	1550.8	1542.4	1534.7	1522.5	1514.9	1508.0	1495.0	1485.8	1475.9	1466.7
25°	1517.2	1508.0	1501.1	1491.9	1486.6	1478.2	1471.3	1459.8	1451.4	1442.2	1434.6
27.5°	1446.8	1441.5	1437.6	1432.3	1427.7	1423.9	1420.1	1410.9	1404.8	1396.3	1388.7
30°	1341.3	1340.5	1338.2	1335.9	1339.0	1339.0	1339.0	1337.5	1332.1	1326.0	1320.6
32.5°	1205.9	1207.5	1210.5	1212.8	1218.9	1225.8	1231.9	1235.0	1235.0	1231.2	1228.9
35°	1044.6	1046.9	1051.5	1057.6	1065.2	1073.6	1087.4	1090.5	1092.7	1092.7	1089.7
37.5°	877.1	876.3	880.9	886.3	890.9	897.0	906.9	909.2	913.0	911.5	908.4
40°	714.2	710.4	708.9	710.4	715.8	713.5	715.8	714.2	714.2	708.9	708.9
42.5°	563.6	559.0	555.9	553.7	553.7	548.3	544.5	540.7	538.4	534.5	533.8
45°	434.4	429.0	425.2	423.6	421.4	414.5	409.9	405.3	399.9	398.4	399.2
47.5°	337.2	331.9	330.3	326.5	322.7	318.9	315.8	310.5	309.7	306.6	309.7
50°	260.0	258.5	256.2	254.6	252.3	249.3	246.2	243.2	241.6	241.6	242.4
52.5°	201.9	202.6	200.3	198.0	196.5	196.5	192.7	191.9	191.9	188.9	191.9
55°	154.5	153.7	154.5	152.9	152.9	150.6	150.6	148.3	148.3	146.0	147.6
57.5°	113.2	114.7	113.2	113.9	115.5	113.2	112.4	110.1	111.6	110.1	110.9
60°	87.9	87.9	87.9	87.2	87.2	86.4	86.4	85.6	85.6	84.1	85.6
62.5°	65.0	65.8	65.8	65.8	66.5	65.8	65.0	65.8	65.0	65.0	65.8
65°	42.8	43.6	43.6	42.8	44.3	42.8	43.6	44.3	45.1	44.3	45.1
67.5°	29.1	29.1	29.8	30.6	29.8	30.6	31.3	30.6	31.3	32.9	31.3
70°	21.4	22.2	22.2	21.4	20.6	21.4	20.6	22.9	22.9	22.9	24.5
72.5°	13.8	13.8	13.0	13.0	13.0	13.0	13.0	15.3	13.8	13.0	14.5
75°	7.6	8.4	8.4	6.1	6.9	8.4	6.1	6.9	9.2	7.6	9.2
77.5°	4.6	4.6	4.6	4.6	4.6	4.6	6.1	5.4	5.4	5.4	6.1
80°	3.8	3.1	3.1	2.3	3.1	3.1	3.1	4.6	3.8	3.8	4.6
82.5°	1.5	1.5	0.8	0.0	1.5	1.5	1.5	1.5	1.5	1.5	3.1
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	1.5	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: P244563

CATALOG NUMBER: LSR8B30D010 EC8B30935 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1
2.5°	1564.6	1564.6	1563.8	1562.3	1559.2	1559.2	1558.4	1556.2	1554.6	1553.9	1553.9
5°	1556.9	1553.9	1550.8	1542.4	1542.4	1540.9	1536.3	1533.2	1531.7	1527.9	1526.3
7.5°	1550.0	1540.9	1535.5	1530.2	1523.3	1520.2	1514.9	1512.6	1507.2	1503.4	1501.1
10°	1533.2	1527.1	1520.2	1511.8	1506.5	1500.3	1494.2	1489.6	1482.7	1478.9	1475.9
12.5°	1521.7	1512.6	1506.5	1497.3	1488.1	1482.7	1474.3	1469.0	1462.1	1454.5	1449.9
15°	1511.0	1501.1	1492.7	1482.7	1472.8	1466.7	1456.8	1450.6	1440.7	1433.0	1427.7
17.5°	1495.0	1486.6	1477.4	1465.2	1456.0	1448.3	1437.6	1430.0	1420.8	1410.9	1405.5
20°	1478.2	1468.2	1459.0	1446.8	1437.6	1428.5	1417.8	1409.3	1398.6	1389.5	1383.4
22.5°	1456.0	1444.5	1436.9	1424.6	1413.9	1404.0	1394.1	1384.1	1374.2	1366.5	1359.6
25°	1423.9	1411.6	1403.2	1393.3	1383.4	1375.7	1363.5	1357.4	1347.4	1340.5	1333.6
27.5°	1378.0	1368.8	1361.2	1351.2	1342.8	1336.7	1327.5	1321.4	1313.0	1306.9	1301.5
30°	1310.7	1303.1	1296.2	1286.2	1280.1	1274.8	1266.3	1261.0	1254.9	1248.0	1246.5
32.5°	1220.5	1214.3	1207.5	1200.6	1196.0	1192.9	1186.0	1183.0	1176.9	1173.0	1169.2
35°	1084.3	1079.0	1075.2	1072.1	1070.6	1071.3	1069.8	1072.9	1074.4	1073.6	1074.4
37.5°	906.2	903.1	904.6	906.9	914.6	924.5	933.7	947.4	956.6	965.8	974.2
40°	707.3	709.6	715.8	729.5	749.4	771.6	792.2	818.2	844.2	862.6	879.4
42.5°	533.8	540.7	555.9	575.8	605.7	638.5	670.6	708.9	740.2	770.8	792.2
45°	401.5	410.6	430.5	458.1	490.9	529.2	569.7	612.5	650.0	681.4	705.1
47.5°	312.8	321.2	341.1	370.1	410.6	450.4	492.5	536.8	575.8	606.4	627.1
50°	247.0	257.7	275.3	305.9	346.4	388.5	432.1	475.6	512.4	538.4	556.7
52.5°	194.2	204.2	221.0	253.1	294.4	336.5	377.0	419.8	451.9	477.2	489.4
55°	150.6	159.8	177.4	204.2	243.2	284.5	325.0	361.7	391.5	409.9	421.4
57.5°	114.7	121.6	133.8	160.6	195.8	234.0	268.4	305.1	328.1	341.1	348.7
60°	87.2	92.5	105.5	126.2	158.3	191.2	220.2	247.8	266.1	276.8	284.5
62.5°	65.8	71.9	81.0	98.6	123.1	149.9	174.3	195.0	210.3	217.2	222.5
65°	45.1	49.7	56.6	70.3	91.0	110.1	129.2	144.5	154.5	162.1	165.2
67.5°	33.6	36.7	40.5	51.2	65.8	81.0	94.0	104.8	115.5	118.5	123.9
70°	25.2	27.5	31.3	39.0	47.4	58.1	68.8	74.9	82.6	87.9	89.5
72.5°	16.1	16.8	20.6	25.2	32.1	39.0	45.9	51.2	55.8	58.9	60.4
75°	9.2	13.8	13.8	18.4	22.9	26.0	30.6	34.4	36.7	39.0	39.0
77.5°	6.1	8.4	9.2	11.5	13.8	17.6	21.4	23.7	26.0	26.8	26.8
80°	5.4	6.1	6.1	8.4	9.9	13.0	15.3	16.1	17.6	18.4	19.9
82.5°	2.3	3.1	3.8	6.1	6.9	6.9	9.2	9.9	11.5	12.2	12.2
85°	0.8	1.5	1.5	2.3	3.8	4.6	5.4	6.1	6.9	6.9	7.6
87.5°	0.8	0.8	0.0	0.8	1.5	1.5	3.1	3.1	3.1	4.6	4.6
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: P244563

CATALOG NUMBER: LSR8B30D010 EC8B30935 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1	1566.1
2.5°	1552.3	1553.1	1550.0	1549.3	1547.7	1548.5	1550.0
5°	1524.0	1524.8	1521.7	1518.7	1518.7	1517.9	1518.7
7.5°	1497.3	1498.0	1493.5	1491.9	1488.9	1489.6	1489.6
10°	1470.5	1470.5	1463.6	1462.9	1460.6	1459.8	1459.8
12.5°	1444.5	1442.2	1436.9	1433.8	1435.3	1430.8	1430.8
15°	1421.6	1417.8	1410.9	1408.6	1404.8	1403.2	1403.2
17.5°	1397.9	1394.8	1388.7	1384.1	1379.5	1378.8	1379.5
20°	1374.9	1371.9	1364.2	1361.2	1357.4	1357.4	1355.8
22.5°	1352.0	1348.9	1342.1	1339.8	1334.4	1334.4	1335.2
25°	1328.3	1326.0	1318.3	1316.8	1316.1	1313.0	1314.5
27.5°	1296.2	1294.6	1288.5	1286.2	1283.2	1282.4	1283.9
30°	1237.3	1235.0	1230.4	1228.1	1222.8	1223.5	1225.0
32.5°	1163.9	1160.8	1154.7	1152.4	1147.8	1146.3	1147.0
35°	1072.1	1069.8	1064.5	1064.5	1059.9	1058.3	1059.9
37.5°	978.8	981.1	978.8	981.1	978.8	978.0	978.8
40°	890.9	899.3	900.8	909.2	906.2	910.7	910.0
42.5°	806.7	820.5	825.9	832.7	831.2	834.3	836.6
45°	721.9	733.3	738.7	743.3	744.1	745.6	746.3
47.5°	641.6	650.8	651.5	656.9	656.1	656.1	658.4
50°	566.7	572.8	574.3	578.1	575.1	573.5	574.3
52.5°	497.1	503.2	501.6	503.2	499.4	497.8	498.6
55°	425.9	429.0	429.0	429.0	424.4	424.4	424.4
57.5°	353.3	354.1	352.5	353.3	352.5	347.9	347.2
60°	286.8	286.8	286.0	286.8	284.5	282.2	282.2
62.5°	224.0	225.6	228.6	225.6	224.0	225.6	223.3
65°	167.5	170.5	169.7	171.3	170.5	170.5	169.0
67.5°	126.2	126.9	127.7	128.5	128.5	128.5	128.5
70°	92.5	94.8	94.0	94.0	94.0	94.0	98.6
72.5°	61.9	65.0	64.2	65.8	65.8	67.3	65.8
75°	42.1	45.1	43.6	45.9	45.1	43.6	47.4
77.5°	28.3	29.8	30.6	31.3	30.6	29.8	30.6
80°	19.9	21.4	20.6	21.4	21.4	21.4	22.2
82.5°	12.2	14.5	13.8	14.5	13.8	14.5	14.5
85°	8.4	9.2	7.6	9.2	8.4	8.4	9.9
87.5°	5.4	4.6	4.6	5.4	4.6	5.4	4.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)