

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: P245907

Luminaire Tested: **LSR8B30D010 EC8B30840 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245907
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 EC8B30840 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2348.0 lumens
Efficiency: N/A
Efficacy: 86.6 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

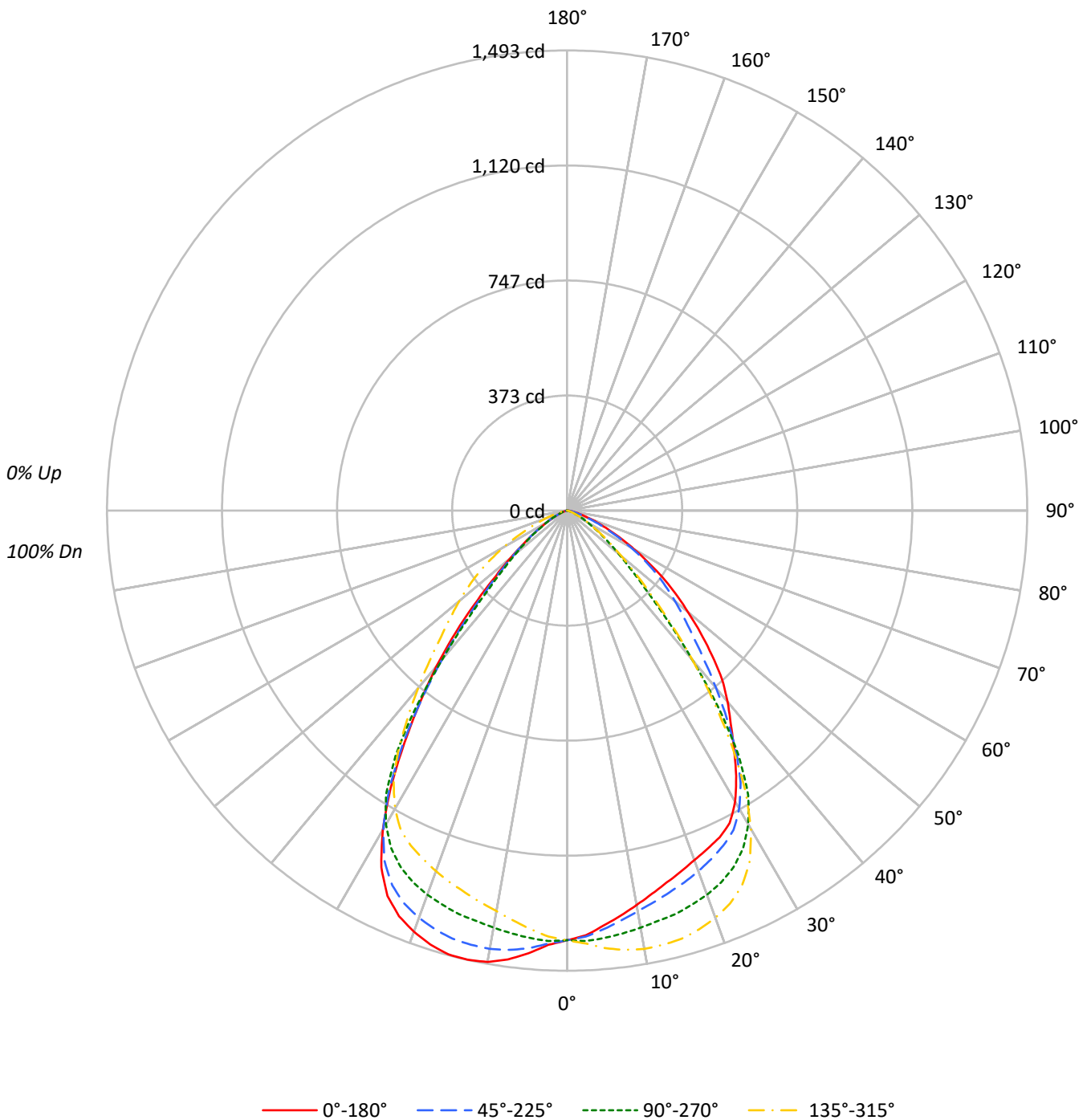
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	42983	42983	42983	42983
5°	41841	43085	44623	43085
10°	40684	43029	46567	43029
15°	39873	43283	47586	43283
20°	39602	43533	47707	43533
25°	39808	43445	46940	43445
30°	38826	41852	42607	41852
35°	35514	36511	34640	36511
40°	32606	25396	26523	25396
45°	28970	15494	17928	15494
50°	24519	10348	11494	10348
55°	20311	7064	7462	7064
60°	15492	4699	4743	4699
65°	10974	2926	2685	2926
70°	7916	1965	1785	1965
75°	5028	977	810	977
80°	3516	728	604	728
85°	3149	0	248	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.7	5.7
10°-20°	384.2	16.4
20°-30°	581.8	24.8
30°-40°	583.1	24.8
40°-50°	366.1	15.6
50°-60°	195.1	8.3
60°-70°	80.2	3.4
70°-80°	21.2	0.9
80°-90°	3.6	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°	1098.6	46.8
0°-40°	1681.7	71.6
0°-60°	2243.0	95.5
0°-90°	2348.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2348.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1394	1394	1394	1394	1394	
5°	1352	1392	1442	1392	1352	127
15°	1249	1356	1491	1356	1249	353
25°	1170	1277	1380	1277	1170	537
35°	943	970	920	970	943	591
45°	664	355	411	355	664	511
55°	378	131	139	131	378	337
65°	150	40	37	40	150	156
75°	42	8	7	8	42	48
85°	9	0	1	0	9	10
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°	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9
2.5°	1379.6	1378.3	1377.6	1379.0	1379.6	1382.4	1381.7	1383.0	1383.0	1383.7	1385.1
5°	1351.7	1351.0	1351.7	1351.7	1354.5	1357.2	1356.5	1358.5	1359.9	1363.3	1364.7
7.5°	1325.9	1325.9	1325.2	1327.9	1329.3	1333.4	1332.7	1336.1	1338.1	1341.5	1346.3
10°	1299.3	1299.3	1300.0	1302.0	1302.7	1308.9	1308.9	1313.6	1316.3	1319.7	1325.9
12.5°	1273.5	1273.5	1277.6	1276.2	1278.9	1283.7	1285.7	1290.5	1294.6	1301.4	1307.5
15°	1249.0	1249.0	1250.3	1253.7	1255.8	1261.9	1265.3	1270.7	1275.5	1282.3	1291.2
17.5°	1227.9	1227.2	1227.9	1231.9	1236.0	1241.5	1244.2	1251.0	1255.8	1264.6	1272.8
20°	1206.8	1208.1	1208.1	1211.5	1214.2	1221.1	1223.8	1231.3	1236.7	1244.9	1254.4
22.5°	1188.4	1187.7	1187.7	1192.5	1194.5	1200.6	1203.3	1210.2	1216.3	1223.1	1231.9
25°	1170.0	1168.6	1171.4	1172.1	1173.4	1180.2	1182.2	1187.0	1193.1	1199.3	1208.1
27.5°	1142.8	1141.4	1142.1	1144.8	1146.9	1152.3	1153.7	1158.4	1163.2	1168.6	1176.1
30°	1090.4	1089.0	1088.3	1093.1	1095.1	1099.2	1101.3	1109.4	1110.8	1116.9	1122.4
32.5°	1020.9	1020.3	1021.6	1025.7	1027.7	1033.2	1035.9	1040.7	1044.1	1047.5	1052.9
35°	943.4	942.0	943.4	947.5	947.5	952.2	954.3	956.3	955.6	956.3	954.9
37.5°	871.2	870.5	871.2	873.2	871.2	873.2	871.2	867.1	859.7	851.5	843.3
40°	810.0	810.6	806.6	809.3	801.8	800.4	792.9	782.7	767.8	751.4	728.3
42.5°	744.6	742.6	739.9	741.2	735.1	730.3	718.1	705.1	686.1	658.9	630.9
45°	664.3	663.6	662.3	661.6	657.5	652.7	642.5	627.5	606.4	578.5	545.2
47.5°	586.0	584.0	584.0	584.7	579.9	579.2	571.0	558.1	539.7	512.5	477.8
50°	511.1	510.5	511.8	514.6	511.1	509.8	504.4	495.5	479.2	456.0	423.3
52.5°	443.8	443.1	444.5	447.9	446.5	447.9	442.4	435.6	424.7	402.2	373.7
55°	377.8	377.8	377.8	381.8	381.8	381.8	379.1	375.0	364.8	348.5	322.0
57.5°	309.0	309.7	313.8	314.4	313.8	315.1	314.4	310.4	303.6	292.0	271.6
60°	251.2	251.2	253.2	255.2	254.5	255.2	255.2	253.2	246.4	236.9	220.5
62.5°	198.7	200.8	199.4	200.8	203.5	200.8	199.4	198.1	193.3	187.2	173.6
65°	150.4	151.8	151.8	152.5	151.1	151.8	149.1	147.0	144.3	137.5	128.6
67.5°	114.4	114.4	114.4	114.4	113.7	113.0	112.3	110.3	105.5	102.8	93.2
70°	87.8	83.7	83.7	83.7	83.7	84.4	82.4	79.6	78.3	73.5	66.7
72.5°	58.5	59.9	58.5	58.5	57.2	57.9	55.1	53.8	52.4	49.7	45.6
75°	42.2	38.8	40.1	40.8	38.8	40.1	37.4	34.7	34.7	32.7	30.6
77.5°	27.2	26.6	27.2	27.9	27.2	26.6	25.2	23.8	23.8	23.1	21.1
80°	19.8	19.1	19.1	19.1	18.4	19.1	17.7	17.7	16.3	15.7	14.3
82.5°	12.9	12.9	12.2	12.9	12.2	12.9	10.9	10.9	10.9	10.2	8.9
85°	8.9	7.5	7.5	8.2	6.8	8.2	7.5	6.8	6.1	6.1	5.4
87.5°	4.1	4.8	4.1	4.8	4.1	4.1	4.8	4.1	4.1	2.7	2.7
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9
2.5°	1387.1	1387.8	1387.8	1390.5	1391.9	1392.6	1392.6	1398.0	1396.0	1397.4	1398.7
5°	1367.4	1371.5	1372.8	1372.8	1380.3	1383.0	1385.8	1391.9	1392.6	1396.7	1401.4
7.5°	1348.3	1353.1	1355.8	1361.9	1366.7	1371.5	1379.6	1383.7	1387.8	1393.3	1399.4
10°	1329.9	1335.4	1340.8	1345.6	1353.1	1359.2	1364.7	1374.2	1379.0	1386.5	1394.6
12.5°	1312.3	1319.7	1324.5	1332.7	1340.8	1346.3	1354.5	1363.3	1370.8	1378.3	1387.8
15°	1296.6	1305.5	1310.9	1319.7	1328.6	1336.1	1344.9	1355.8	1361.3	1370.1	1379.0
17.5°	1279.6	1289.1	1295.9	1304.1	1315.0	1323.1	1330.6	1341.5	1348.3	1357.8	1368.1
20°	1261.9	1271.4	1279.6	1287.8	1298.7	1306.8	1315.7	1326.6	1334.0	1343.6	1351.7
22.5°	1240.8	1249.7	1258.5	1268.0	1278.9	1285.7	1295.9	1305.5	1313.6	1322.5	1330.6
25°	1213.6	1224.5	1231.3	1240.1	1249.0	1256.4	1267.3	1276.9	1283.7	1291.8	1299.3
27.5°	1181.6	1189.8	1195.2	1202.7	1211.5	1218.3	1226.5	1236.0	1242.8	1250.3	1255.8
30°	1127.1	1134.6	1139.4	1144.8	1153.7	1159.8	1166.6	1175.4	1180.2	1185.7	1190.4
32.5°	1055.6	1061.8	1064.5	1068.6	1074.7	1080.8	1086.3	1093.8	1095.8	1099.2	1099.2
35°	952.2	953.6	952.9	954.3	957.0	960.4	965.1	969.9	972.6	972.6	970.6
37.5°	831.0	822.9	814.0	807.2	805.2	803.8	806.6	808.6	811.3	812.7	809.3
40°	705.1	686.8	667.0	649.3	637.1	631.6	629.6	630.9	630.9	635.7	635.7
42.5°	596.9	568.3	539.1	512.5	494.8	481.2	475.1	475.1	475.8	479.2	481.2
45°	507.1	471.0	437.0	407.7	383.2	365.5	357.3	355.3	354.6	356.0	360.7
47.5°	438.3	400.9	365.5	329.4	303.6	285.9	278.4	275.6	272.9	275.6	276.3
50°	384.6	345.8	308.3	272.3	245.0	229.4	219.8	215.7	215.1	215.1	216.4
52.5°	335.5	299.5	262.1	225.3	196.7	181.7	172.9	170.8	168.1	170.8	170.8
55°	289.3	253.2	216.4	181.7	157.9	142.3	134.1	131.4	130.0	132.0	132.0
57.5°	238.9	208.3	174.3	142.9	119.1	108.2	102.1	98.7	98.0	99.4	98.0
60°	196.0	170.2	140.9	112.3	93.9	82.4	77.6	76.2	74.9	76.2	76.2
62.5°	155.2	133.4	109.6	87.8	72.1	64.0	58.5	58.5	57.9	57.9	58.5
65°	115.0	98.0	81.0	62.6	50.4	44.2	40.1	40.1	39.5	40.1	39.5
67.5°	83.7	72.1	58.5	45.6	36.1	32.7	29.9	27.9	29.3	27.9	27.2
70°	61.3	51.7	42.2	34.7	27.9	24.5	22.5	21.8	20.4	20.4	20.4
72.5°	40.8	34.7	28.6	22.5	18.4	15.0	14.3	12.9	11.6	12.2	13.6
75°	27.2	23.1	20.4	16.3	12.2	12.2	8.2	8.2	6.8	8.2	6.1
77.5°	19.1	15.7	12.2	10.2	8.2	7.5	5.4	5.4	4.8	4.8	4.8
80°	13.6	11.6	8.9	7.5	5.4	5.4	4.8	4.1	3.4	3.4	4.1
82.5°	8.2	6.1	6.1	5.4	3.4	2.7	2.0	2.7	1.4	1.4	1.4
85°	4.8	4.1	3.4	2.0	1.4	1.4	0.7	0.0	0.7	0.7	0.0
87.5°	2.7	1.4	1.4	0.7	0.0	0.7	0.7	0.0	0.0	0.0	1.4
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9
2.5°	1402.1	1401.4	1402.8	1402.8	1406.9	1406.2	1408.2	1408.2	1406.9	1407.5	1410.3
5°	1406.9	1408.9	1413.0	1416.4	1422.5	1425.3	1428.6	1432.1	1432.7	1434.8	1436.8
7.5°	1406.9	1413.7	1418.4	1424.6	1432.7	1437.5	1445.0	1451.1	1453.8	1457.2	1461.3
10°	1404.1	1410.9	1419.8	1426.6	1436.8	1444.3	1451.8	1461.3	1465.4	1470.8	1476.3
12.5°	1398.7	1406.2	1415.7	1424.6	1436.1	1442.9	1452.5	1461.3	1467.4	1474.9	1481.1
15°	1390.5	1399.4	1408.2	1417.1	1429.3	1437.5	1446.4	1456.5	1462.7	1470.8	1476.3
17.5°	1377.6	1387.1	1395.3	1403.5	1415.0	1424.6	1432.7	1442.3	1448.4	1455.2	1462.7
20°	1361.9	1370.8	1379.6	1386.5	1398.0	1406.2	1415.0	1423.9	1428.6	1430.0	1441.6
22.5°	1342.2	1348.3	1355.1	1366.0	1372.8	1380.3	1388.5	1396.7	1401.4	1408.9	1413.0
25°	1309.5	1315.7	1323.1	1327.9	1336.1	1342.2	1350.4	1359.2	1361.9	1367.4	1371.5
27.5°	1263.9	1267.3	1270.7	1274.8	1279.6	1283.0	1287.8	1291.8	1294.6	1297.3	1300.0
30°	1191.8	1191.8	1191.8	1189.1	1191.1	1193.1	1193.8	1193.1	1193.1	1192.5	1192.5
32.5°	1096.5	1091.1	1084.9	1079.5	1077.4	1074.7	1073.4	1071.3	1067.9	1065.9	1066.5
35°	967.8	955.6	948.1	941.3	935.9	931.8	929.7	927.7	927.0	924.3	921.6
37.5°	807.2	798.4	792.9	788.9	784.1	780.0	780.7	781.4	783.4	782.0	782.7
40°	637.1	635.0	637.1	632.3	630.9	632.3	635.7	640.5	643.2	645.9	650.7
42.5°	484.6	488.0	492.8	492.8	494.8	497.6	501.6	509.1	513.2	517.9	523.4
45°	364.8	368.9	375.0	377.1	378.4	381.8	386.6	392.7	395.4	399.5	404.3
47.5°	281.1	283.8	287.2	290.6	294.0	295.4	300.2	300.2	303.6	306.3	307.6
50°	219.2	221.9	224.6	226.6	228.0	230.1	231.4	233.5	234.1	235.5	236.2
52.5°	171.5	174.9	174.9	176.3	178.3	180.4	179.7	180.4	181.0	181.0	183.1
55°	134.1	134.1	136.1	136.1	137.5	136.8	137.5	137.5	137.5	137.5	138.2
57.5°	100.0	100.7	102.8	101.4	100.7	102.1	100.7	102.1	101.4	102.8	100.7
60°	76.9	76.9	77.6	77.6	78.3	78.3	78.3	77.6	77.6	76.9	76.9
62.5°	57.9	58.5	59.2	58.5	58.5	58.5	57.9	57.9	57.2	56.5	56.5
65°	38.8	38.1	39.5	38.1	38.8	38.8	38.1	38.8	36.8	37.4	36.8
67.5°	27.9	27.2	26.6	27.2	26.6	25.9	25.9	26.6	27.2	25.2	25.2
70°	18.4	19.1	18.4	19.1	19.8	19.8	19.1	18.4	19.1	17.7	18.4
72.5°	11.6	11.6	11.6	11.6	11.6	12.2	12.2	12.2	10.9	10.9	10.2
75°	5.4	7.5	6.1	5.4	7.5	7.5	6.8	6.8	6.1	6.1	6.1
77.5°	5.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	3.4	4.1	3.4
80°	2.7	2.7	2.7	2.0	2.7	2.7	3.4	2.7	2.7	2.0	3.4
82.5°	1.4	1.4	1.4	0.0	0.7	1.4	1.4	0.7	1.4	1.4	0.7
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: P245907

CATALOG NUMBER: LSR8B30D010 EC8B30840 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9
2.5°	1409.6	1408.9	1409.6	1410.3	1409.6	1408.9	1409.6	1410.3	1407.5	1406.9	1408.2
5°	1439.5	1439.5	1440.9	1441.6	1440.9	1439.5	1439.5	1436.8	1434.8	1432.7	1432.1
7.5°	1465.4	1466.8	1468.1	1468.8	1468.1	1466.8	1465.4	1461.3	1457.2	1453.8	1451.1
10°	1481.1	1483.1	1485.8	1487.2	1485.8	1483.1	1481.1	1476.3	1470.8	1465.4	1461.3
12.5°	1487.9	1489.9	1493.3	1492.6	1493.3	1489.9	1487.9	1481.1	1474.9	1467.4	1461.3
15°	1483.1	1485.8	1489.2	1490.6	1489.2	1485.8	1483.1	1476.3	1470.8	1462.7	1456.5
17.5°	1468.1	1472.2	1474.3	1476.3	1474.3	1472.2	1468.1	1462.7	1455.2	1448.4	1442.3
20°	1447.7	1450.4	1453.2	1453.8	1453.2	1450.4	1447.7	1441.6	1430.0	1428.6	1423.9
22.5°	1418.4	1420.5	1426.6	1424.6	1426.6	1420.5	1418.4	1413.0	1408.9	1401.4	1396.7
25°	1376.2	1378.3	1379.0	1379.6	1379.0	1378.3	1376.2	1371.5	1367.4	1361.9	1359.2
27.5°	1303.4	1303.4	1304.8	1305.5	1304.8	1303.4	1303.4	1300.0	1297.3	1294.6	1291.8
30°	1193.1	1193.1	1193.1	1196.6	1193.1	1193.1	1193.1	1192.5	1192.5	1193.1	1193.1
32.5°	1065.9	1064.5	1063.2	1064.5	1063.2	1064.5	1065.9	1066.5	1065.9	1067.9	1071.3
35°	921.6	920.9	922.9	920.2	922.9	920.9	921.6	921.6	924.3	927.0	927.7
37.5°	783.4	782.0	784.8	782.0	784.8	782.0	783.4	782.7	782.0	783.4	781.4
40°	652.1	653.4	653.4	658.9	653.4	653.4	652.1	650.7	645.9	643.2	640.5
42.5°	526.1	530.2	528.8	532.9	528.8	530.2	526.1	523.4	517.9	513.2	509.1
45°	407.0	409.8	409.8	411.1	409.8	409.8	407.0	404.3	399.5	395.4	392.7
47.5°	312.4	312.4	312.4	313.1	312.4	312.4	312.4	307.6	306.3	303.6	300.2
50°	237.5	238.2	238.9	239.6	238.9	238.2	237.5	236.2	235.5	234.1	233.5
52.5°	182.4	183.1	181.7	183.1	181.7	183.1	182.4	183.1	181.0	181.0	180.4
55°	138.2	137.5	138.2	138.8	138.2	137.5	138.2	138.2	137.5	137.5	137.5
57.5°	101.4	100.0	100.0	100.0	100.0	100.0	101.4	100.7	102.8	101.4	102.1
60°	75.6	76.2	76.2	76.9	76.2	76.2	75.6	76.9	76.9	77.6	77.6
62.5°	55.8	57.9	56.5	57.9	56.5	57.9	55.8	56.5	56.5	57.2	57.9
65°	36.1	36.1	36.1	36.8	36.1	36.1	36.1	36.8	37.4	36.8	38.8
67.5°	24.5	25.2	26.6	25.9	26.6	25.2	24.5	25.2	25.2	27.2	26.6
70°	19.8	17.7	17.7	19.8	17.7	17.7	19.8	18.4	17.7	19.1	18.4
72.5°	11.6	10.2	11.6	11.6	11.6	10.2	11.6	10.2	10.9	10.9	12.2
75°	6.1	5.4	4.8	6.8	4.8	5.4	6.1	6.1	6.1	6.1	6.8
77.5°	4.1	3.4	4.8	4.8	4.8	3.4	4.1	3.4	4.1	3.4	4.1
80°	2.0	2.7	2.0	3.4	2.0	2.7	2.0	3.4	2.0	2.7	2.7
82.5°	0.7	1.4	1.4	1.4	1.4	1.4	0.7	0.7	1.4	1.4	0.7
85°	0.0	1.4	0.7	0.7	0.7	1.4	0.0	0.0	0.0	0.0	0.0
87.5°	0.7	0.0	0.0	0.7	0.0	0.0	0.7	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: P245907

CATALOG NUMBER: LSR8B30D010 EC8B30840 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9
2.5°	1408.2	1406.2	1406.9	1402.8	1402.8	1401.4	1402.1	1398.7	1397.4	1396.0	1398.0
5°	1428.6	1425.3	1422.5	1416.4	1413.0	1408.9	1406.9	1401.4	1396.7	1392.6	1391.9
7.5°	1445.0	1437.5	1432.7	1424.6	1418.4	1413.7	1406.9	1399.4	1393.3	1387.8	1383.7
10°	1451.8	1444.3	1436.8	1426.6	1419.8	1410.9	1404.1	1394.6	1386.5	1379.0	1374.2
12.5°	1452.5	1442.9	1436.1	1424.6	1415.7	1406.2	1398.7	1387.8	1378.3	1370.8	1363.3
15°	1446.4	1437.5	1429.3	1417.1	1408.2	1399.4	1390.5	1379.0	1370.1	1361.3	1355.8
17.5°	1432.7	1424.6	1415.0	1403.5	1395.3	1387.1	1377.6	1368.1	1357.8	1348.3	1341.5
20°	1415.0	1406.2	1398.0	1386.5	1379.6	1370.8	1361.9	1351.7	1343.6	1334.0	1326.6
22.5°	1388.5	1380.3	1372.8	1366.0	1355.1	1348.3	1342.2	1330.6	1322.5	1313.6	1305.5
25°	1350.4	1342.2	1336.1	1327.9	1323.1	1315.7	1309.5	1299.3	1291.8	1283.7	1276.9
27.5°	1287.8	1283.0	1279.6	1274.8	1270.7	1267.3	1263.9	1255.8	1250.3	1242.8	1236.0
30°	1193.8	1193.1	1191.1	1189.1	1191.8	1191.8	1191.8	1190.4	1185.7	1180.2	1175.4
32.5°	1073.4	1074.7	1077.4	1079.5	1084.9	1091.1	1096.5	1099.2	1099.2	1095.8	1093.8
35°	929.7	931.8	935.9	941.3	948.1	955.6	967.8	970.6	972.6	972.6	969.9
37.5°	780.7	780.0	784.1	788.9	792.9	798.4	807.2	809.3	812.7	811.3	808.6
40°	635.7	632.3	630.9	632.3	637.1	635.0	637.1	635.7	635.7	630.9	630.9
42.5°	501.6	497.6	494.8	492.8	492.8	488.0	484.6	481.2	479.2	475.8	475.1
45°	386.6	381.8	378.4	377.1	375.0	368.9	364.8	360.7	356.0	354.6	355.3
47.5°	300.2	295.4	294.0	290.6	287.2	283.8	281.1	276.3	275.6	272.9	275.6
50°	231.4	230.1	228.0	226.6	224.6	221.9	219.2	216.4	215.1	215.1	215.7
52.5°	179.7	180.4	178.3	176.3	174.9	174.9	171.5	170.8	170.8	168.1	170.8
55°	137.5	136.8	137.5	136.1	136.1	134.1	134.1	132.0	132.0	130.0	131.4
57.5°	100.7	102.1	100.7	101.4	102.8	100.7	100.0	98.0	99.4	98.0	98.7
60°	78.3	78.3	78.3	77.6	77.6	76.9	76.9	76.2	76.2	74.9	76.2
62.5°	57.9	58.5	58.5	58.5	59.2	58.5	57.9	58.5	57.9	57.9	58.5
65°	38.1	38.8	38.8	38.1	39.5	38.1	38.8	39.5	40.1	39.5	40.1
67.5°	25.9	25.9	26.6	27.2	26.6	27.2	27.9	27.2	27.9	29.3	27.9
70°	19.1	19.8	19.8	19.1	18.4	19.1	18.4	20.4	20.4	20.4	21.8
72.5°	12.2	12.2	11.6	11.6	11.6	11.6	11.6	13.6	12.2	11.6	12.9
75°	6.8	7.5	7.5	5.4	6.1	7.5	5.4	6.1	8.2	6.8	8.2
77.5°	4.1	4.1	4.1	4.1	4.1	4.1	5.4	4.8	4.8	4.8	5.4
80°	3.4	2.7	2.7	2.0	2.7	2.7	2.7	4.1	3.4	3.4	4.1
82.5°	1.4	1.4	0.7	0.0	1.4	1.4	1.4	1.4	1.4	1.4	2.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	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: P245907

CATALOG NUMBER: LSR8B30D010 EC8B30840 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9
2.5°	1392.6	1392.6	1391.9	1390.5	1387.8	1387.8	1387.1	1385.1	1383.7	1383.0	1383.0
5°	1385.8	1383.0	1380.3	1372.8	1372.8	1371.5	1367.4	1364.7	1363.3	1359.9	1358.5
7.5°	1379.6	1371.5	1366.7	1361.9	1355.8	1353.1	1348.3	1346.3	1341.5	1338.1	1336.1
10°	1364.7	1359.2	1353.1	1345.6	1340.8	1335.4	1329.9	1325.9	1319.7	1316.3	1313.6
12.5°	1354.5	1346.3	1340.8	1332.7	1324.5	1319.7	1312.3	1307.5	1301.4	1294.6	1290.5
15°	1344.9	1336.1	1328.6	1319.7	1310.9	1305.5	1296.6	1291.2	1282.3	1275.5	1270.7
17.5°	1330.6	1323.1	1315.0	1304.1	1295.9	1289.1	1279.6	1272.8	1264.6	1255.8	1251.0
20°	1315.7	1306.8	1298.7	1287.8	1279.6	1271.4	1261.9	1254.4	1244.9	1236.7	1231.3
22.5°	1295.9	1285.7	1278.9	1268.0	1258.5	1249.7	1240.8	1231.9	1223.1	1216.3	1210.2
25°	1267.3	1256.4	1249.0	1240.1	1231.3	1224.5	1213.6	1208.1	1199.3	1193.1	1187.0
27.5°	1226.5	1218.3	1211.5	1202.7	1195.2	1189.8	1181.6	1176.1	1168.6	1163.2	1158.4
30°	1166.6	1159.8	1153.7	1144.8	1139.4	1134.6	1127.1	1122.4	1116.9	1110.8	1109.4
32.5°	1086.3	1080.8	1074.7	1068.6	1064.5	1061.8	1055.6	1052.9	1047.5	1044.1	1040.7
35°	965.1	960.4	957.0	954.3	952.9	953.6	952.2	954.9	956.3	955.6	956.3
37.5°	806.6	803.8	805.2	807.2	814.0	822.9	831.0	843.3	851.5	859.7	867.1
40°	629.6	631.6	637.1	649.3	667.0	686.8	705.1	728.3	751.4	767.8	782.7
42.5°	475.1	481.2	494.8	512.5	539.1	568.3	596.9	630.9	658.9	686.1	705.1
45°	357.3	365.5	383.2	407.7	437.0	471.0	507.1	545.2	578.5	606.4	627.5
47.5°	278.4	285.9	303.6	329.4	365.5	400.9	438.3	477.8	512.5	539.7	558.1
50°	219.8	229.4	245.0	272.3	308.3	345.8	384.6	423.3	456.0	479.2	495.5
52.5°	172.9	181.7	196.7	225.3	262.1	299.5	335.5	373.7	402.2	424.7	435.6
55°	134.1	142.3	157.9	181.7	216.4	253.2	289.3	322.0	348.5	364.8	375.0
57.5°	102.1	108.2	119.1	142.9	174.3	208.3	238.9	271.6	292.0	303.6	310.4
60°	77.6	82.4	93.9	112.3	140.9	170.2	196.0	220.5	236.9	246.4	253.2
62.5°	58.5	64.0	72.1	87.8	109.6	133.4	155.2	173.6	187.2	193.3	198.1
65°	40.1	44.2	50.4	62.6	81.0	98.0	115.0	128.6	137.5	144.3	147.0
67.5°	29.9	32.7	36.1	45.6	58.5	72.1	83.7	93.2	102.8	105.5	110.3
70°	22.5	24.5	27.9	34.7	42.2	51.7	61.3	66.7	73.5	78.3	79.6
72.5°	14.3	15.0	18.4	22.5	28.6	34.7	40.8	45.6	49.7	52.4	53.8
75°	8.2	12.2	12.2	16.3	20.4	23.1	27.2	30.6	32.7	34.7	34.7
77.5°	5.4	7.5	8.2	10.2	12.2	15.7	19.1	21.1	23.1	23.8	23.8
80°	4.8	5.4	5.4	7.5	8.9	11.6	13.6	14.3	15.7	16.3	17.7
82.5°	2.0	2.7	3.4	5.4	6.1	6.1	8.2	8.9	10.2	10.9	10.9
85°	0.7	1.4	1.4	2.0	3.4	4.1	4.8	5.4	6.1	6.1	6.8
87.5°	0.7	0.7	0.0	0.7	1.4	1.4	2.7	2.7	2.7	4.1	4.1
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: P245907

CATALOG NUMBER: LSR8B30D010 EC8B30840 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9
2.5°	1381.7	1382.4	1379.6	1379.0	1377.6	1378.3	1379.6
5°	1356.5	1357.2	1354.5	1351.7	1351.7	1351.0	1351.7
7.5°	1332.7	1333.4	1329.3	1327.9	1325.2	1325.9	1325.9
10°	1308.9	1308.9	1302.7	1302.0	1300.0	1299.3	1299.3
12.5°	1285.7	1283.7	1278.9	1276.2	1277.6	1273.5	1273.5
15°	1265.3	1261.9	1255.8	1253.7	1250.3	1249.0	1249.0
17.5°	1244.2	1241.5	1236.0	1231.9	1227.9	1227.2	1227.9
20°	1223.8	1221.1	1214.2	1211.5	1208.1	1208.1	1206.8
22.5°	1203.3	1200.6	1194.5	1192.5	1187.7	1187.7	1188.4
25°	1182.2	1180.2	1173.4	1172.1	1171.4	1168.6	1170.0
27.5°	1153.7	1152.3	1146.9	1144.8	1142.1	1141.4	1142.8
30°	1101.3	1099.2	1095.1	1093.1	1088.3	1089.0	1090.4
32.5°	1035.9	1033.2	1027.7	1025.7	1021.6	1020.3	1020.9
35°	954.3	952.2	947.5	947.5	943.4	942.0	943.4
37.5°	871.2	873.2	871.2	873.2	871.2	870.5	871.2
40°	792.9	800.4	801.8	809.3	806.6	810.6	810.0
42.5°	718.1	730.3	735.1	741.2	739.9	742.6	744.6
45°	642.5	652.7	657.5	661.6	662.3	663.6	664.3
47.5°	571.0	579.2	579.9	584.7	584.0	584.0	586.0
50°	504.4	509.8	511.1	514.6	511.8	510.5	511.1
52.5°	442.4	447.9	446.5	447.9	444.5	443.1	443.8
55°	379.1	381.8	381.8	381.8	377.8	377.8	377.8
57.5°	314.4	315.1	313.8	314.4	313.8	309.7	309.0
60°	255.2	255.2	254.5	255.2	253.2	251.2	251.2
62.5°	199.4	200.8	203.5	200.8	199.4	200.8	198.7
65°	149.1	151.8	151.1	152.5	151.8	151.8	150.4
67.5°	112.3	113.0	113.7	114.4	114.4	114.4	114.4
70°	82.4	84.4	83.7	83.7	83.7	83.7	87.8
72.5°	55.1	57.9	57.2	58.5	58.5	59.9	58.5
75°	37.4	40.1	38.8	40.8	40.1	38.8	42.2
77.5°	25.2	26.6	27.2	27.9	27.2	26.6	27.2
80°	17.7	19.1	18.4	19.1	19.1	19.1	19.8
82.5°	10.9	12.9	12.2	12.9	12.2	12.9	12.9
85°	7.5	8.2	6.8	8.2	7.5	7.5	8.9
87.5°	4.8	4.1	4.1	4.8	4.1	4.8	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)