

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: P244587

Luminaire Tested: **LSR8B30D010 EC8B309730 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244587  
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 EC8B309730 8LBSW0H  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2279.0 lumens  
Efficiency: N/A  
Efficacy: 84.1 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

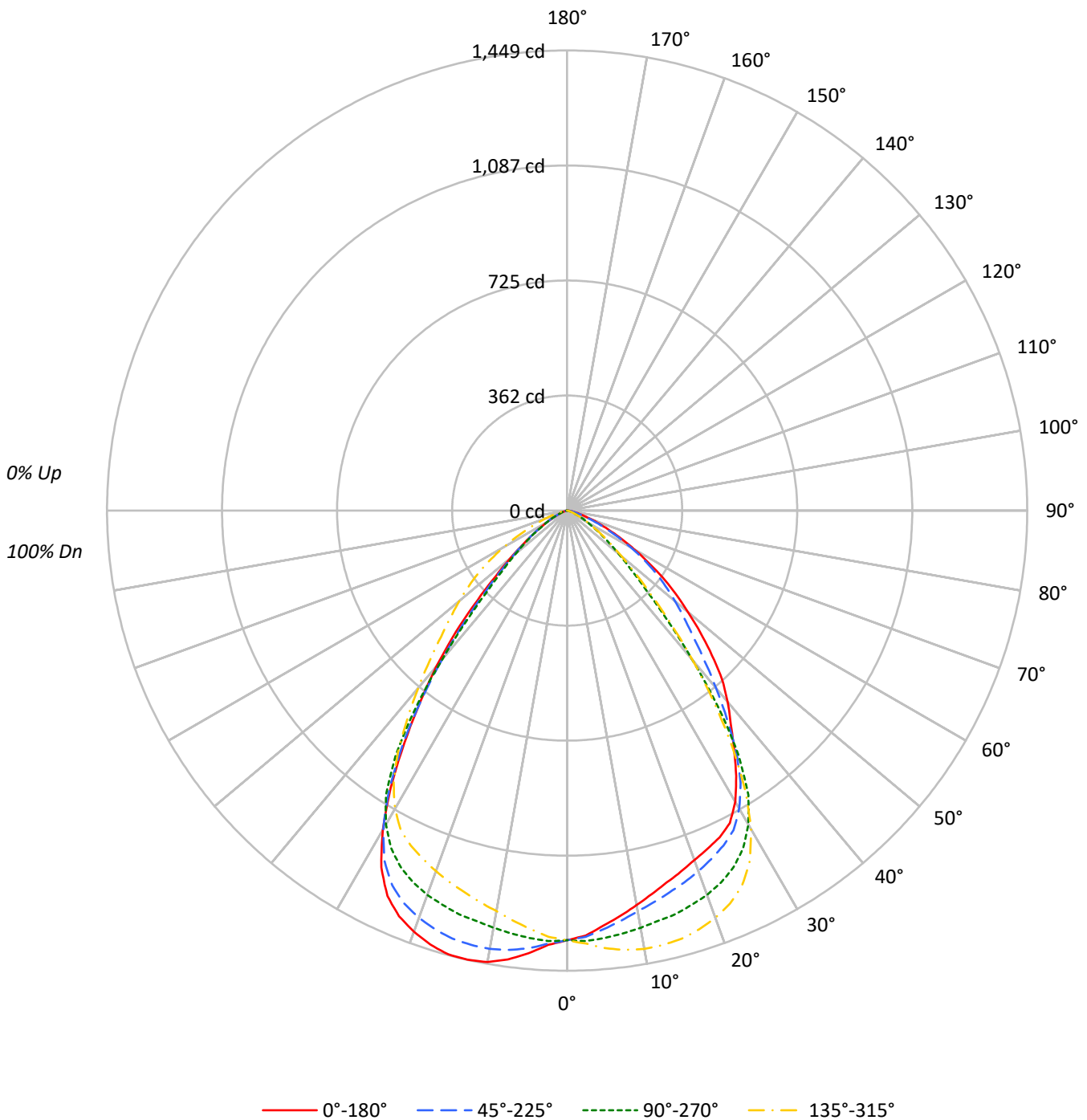
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	Luminaire represents a point source (luminous area is zero).			
5°	No luminance values can be calculated.			
10°				
15°				
20°				
25°				
30°				
35°				
40°				
45°				
50°				
55°				
60°				
65°				
70°				
75°				
80°				
85°				



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.8	5.7
10°-20°	372.9	16.4
20°-30°	564.7	24.8
30°-40°	565.9	24.8
40°-50°	355.4	15.6
50°-60°	189.4	8.3
60°-70°	77.9	3.4
70°-80°	20.6	0.9
80°-90°	3.5	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°	1066.4	46.8
0°-40°	1632.3	71.6
0°-60°	2177.1	95.5
0°-90°	2279.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2279.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1353	1353	1353	1353	1353	
5°	1312	1351	1399	1351	1312	124
15°	1212	1316	1447	1316	1212	343
25°	1136	1239	1339	1239	1136	521
35°	916	941	893	941	916	574
45°	645	345	399	345	645	496
55°	367	128	135	128	367	327
65°	146	39	36	39	146	151
75°	41	8	7	8	41	46
85°	9	0	1	0	9	9
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°	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0
2.5°	1339.1	1337.8	1337.1	1338.4	1339.1	1341.7	1341.1	1342.4	1342.4	1343.1	1344.4
5°	1312.0	1311.3	1312.0	1312.0	1314.7	1317.3	1316.6	1318.6	1319.9	1323.2	1324.6
7.5°	1286.9	1286.9	1286.2	1288.9	1290.2	1294.2	1293.5	1296.8	1298.8	1302.1	1306.7
10°	1261.1	1261.1	1261.8	1263.8	1264.5	1270.4	1270.4	1275.0	1277.6	1281.0	1286.9
12.5°	1236.0	1236.0	1240.0	1238.7	1241.3	1245.9	1247.9	1252.5	1256.5	1263.1	1269.1
15°	1212.3	1212.3	1213.6	1216.9	1218.9	1224.8	1228.1	1233.4	1238.0	1244.6	1253.2
17.5°	1191.8	1191.1	1191.8	1195.7	1199.7	1205.0	1207.6	1214.2	1218.9	1227.5	1235.4
20°	1171.3	1172.6	1172.6	1175.9	1178.6	1185.2	1187.8	1195.1	1200.4	1208.3	1217.6
22.5°	1153.5	1152.8	1152.8	1157.4	1159.4	1165.3	1168.0	1174.6	1180.5	1187.2	1195.7
25°	1135.6	1134.3	1137.0	1137.6	1138.9	1145.5	1147.5	1152.1	1158.1	1164.0	1172.6
27.5°	1109.2	1107.9	1108.5	1111.2	1113.2	1118.4	1119.8	1124.4	1129.0	1134.3	1141.6
30°	1058.3	1057.0	1056.4	1061.0	1063.0	1066.9	1068.9	1076.8	1078.1	1084.1	1089.4
32.5°	990.9	990.3	991.6	995.6	997.5	1002.8	1005.5	1010.1	1013.4	1016.7	1022.0
35°	915.6	914.3	915.6	919.6	919.6	924.2	926.2	928.2	927.5	928.2	926.9
37.5°	845.6	844.9	845.6	847.6	845.6	847.6	845.6	841.6	834.4	826.4	818.5
40°	786.2	786.8	782.9	785.5	778.2	776.9	769.6	759.7	745.2	729.3	706.9
42.5°	722.7	720.8	718.1	719.4	713.5	708.8	697.0	684.4	665.9	639.5	612.4
45°	644.8	644.1	642.8	642.1	638.2	633.5	623.6	609.1	588.6	561.5	529.2
47.5°	568.8	566.8	566.8	567.5	562.8	562.2	554.3	541.7	523.9	497.5	463.8
50°	496.1	495.5	496.8	499.4	496.1	494.8	489.5	480.9	465.1	442.6	410.9
52.5°	430.7	430.1	431.4	434.7	433.4	434.7	429.4	422.8	412.2	390.4	362.7
55°	366.7	366.7	366.7	370.6	370.6	370.6	368.0	364.0	354.1	338.2	312.5
57.5°	299.9	300.6	304.6	305.2	304.6	305.9	305.2	301.2	294.7	283.4	263.6
60°	243.8	243.8	245.8	247.7	247.1	247.7	247.7	245.8	239.2	229.9	214.1
62.5°	192.9	194.9	193.6	194.9	197.5	194.9	193.6	192.2	187.6	181.7	168.5
65°	146.0	147.3	147.3	148.0	146.6	147.3	144.7	142.7	140.1	133.5	124.9
67.5°	111.0	111.0	111.0	111.0	110.3	109.7	109.0	107.0	102.4	99.8	90.5
70°	85.2	81.2	81.2	81.2	81.2	81.9	79.9	77.3	76.0	71.4	64.7
72.5°	56.8	58.1	56.8	56.8	55.5	56.2	53.5	52.2	50.9	48.2	44.3
75°	41.0	37.7	39.0	39.6	37.7	39.0	36.3	33.7	33.7	31.7	29.7
77.5°	26.4	25.8	26.4	27.1	26.4	25.8	24.4	23.1	23.1	22.5	20.5
80°	19.2	18.5	18.5	18.5	17.8	18.5	17.2	17.2	15.9	15.2	13.9
82.5°	12.6	12.6	11.9	12.6	11.9	12.6	10.6	10.6	10.6	9.9	8.6
85°	8.6	7.3	7.3	7.9	6.6	7.9	7.3	6.6	6.0	6.0	5.3
87.5°	4.0	4.6	4.0	4.6	4.0	4.0	4.6	4.0	4.0	2.6	2.6
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0
2.5°	1346.4	1347.0	1347.0	1349.7	1351.0	1351.6	1351.6	1356.9	1355.0	1356.3	1357.6
5°	1327.2	1331.2	1332.5	1332.5	1339.8	1342.4	1345.0	1351.0	1351.6	1355.6	1360.2
7.5°	1308.7	1313.3	1316.0	1321.9	1326.5	1331.2	1339.1	1343.1	1347.0	1352.3	1358.2
10°	1290.9	1296.2	1301.4	1306.1	1313.3	1319.3	1324.6	1333.8	1338.4	1345.7	1353.6
12.5°	1273.7	1281.0	1285.6	1293.5	1301.4	1306.7	1314.7	1323.2	1330.5	1337.8	1347.0
15°	1258.5	1267.1	1272.4	1281.0	1289.6	1296.8	1305.4	1316.0	1321.3	1329.9	1338.4
17.5°	1242.0	1251.2	1257.9	1265.8	1276.3	1284.3	1291.5	1302.1	1308.7	1317.9	1327.9
20°	1224.8	1234.1	1242.0	1249.9	1260.5	1268.4	1277.0	1287.6	1294.8	1304.1	1312.0
22.5°	1204.3	1212.9	1221.5	1230.7	1241.3	1247.9	1257.9	1267.1	1275.0	1283.6	1291.5
25°	1177.9	1188.5	1195.1	1203.7	1212.3	1219.5	1230.1	1239.3	1245.9	1253.9	1261.1
27.5°	1146.9	1154.8	1160.1	1167.3	1175.9	1182.5	1190.4	1199.7	1206.3	1213.6	1218.9
30°	1094.0	1101.3	1105.9	1111.2	1119.8	1125.7	1132.3	1140.9	1145.5	1150.8	1155.4
32.5°	1024.6	1030.6	1033.2	1037.2	1043.1	1049.1	1054.4	1061.6	1063.6	1066.9	1066.9
35°	924.2	925.5	924.9	926.2	928.9	932.1	936.8	941.4	944.0	944.0	942.1
37.5°	806.6	798.7	790.1	783.5	781.5	780.2	782.9	784.8	787.5	788.8	785.5
40°	684.4	666.6	647.4	630.2	618.3	613.1	611.1	612.4	612.4	617.0	617.0
42.5°	579.4	551.6	523.2	497.5	480.3	467.1	461.1	461.1	461.8	465.1	467.1
45°	492.2	457.2	424.1	395.7	371.9	354.7	346.8	344.9	344.2	345.5	350.1
47.5°	425.4	389.1	354.7	319.8	294.7	277.5	270.2	267.5	264.9	267.5	268.2
50°	373.3	335.6	299.3	264.3	237.8	222.6	213.4	209.4	208.8	208.8	210.1
52.5°	325.7	290.7	254.4	218.7	190.9	176.4	167.8	165.8	163.2	165.8	165.8
55°	280.8	245.8	210.1	176.4	153.3	138.1	130.1	127.5	126.2	128.2	128.2
57.5°	231.9	202.1	169.1	138.7	115.6	105.0	99.1	95.8	95.1	96.5	95.1
60°	190.3	165.2	136.7	109.0	91.2	79.9	75.3	74.0	72.7	74.0	74.0
62.5°	150.6	129.5	106.3	85.2	70.0	62.1	56.8	56.8	56.2	56.2	56.8
65°	111.7	95.1	78.6	60.8	48.9	42.9	39.0	39.0	38.3	39.0	38.3
67.5°	81.2	70.0	56.8	44.3	35.0	31.7	29.1	27.1	28.4	27.1	26.4
70°	59.5	50.2	41.0	33.7	27.1	23.8	21.8	21.1	19.8	19.8	19.8
72.5°	39.6	33.7	27.7	21.8	17.8	14.5	13.9	12.6	11.2	11.9	13.2
75°	26.4	22.5	19.8	15.9	11.9	11.9	7.9	7.9	6.6	7.9	6.0
77.5°	18.5	15.2	11.9	9.9	7.9	7.3	5.3	5.3	4.6	4.6	4.6
80°	13.2	11.2	8.6	7.3	5.3	5.3	4.6	4.0	3.3	3.3	4.0
82.5°	7.9	6.0	6.0	5.3	3.3	2.6	2.0	2.6	1.3	1.3	1.3
85°	4.6	4.0	3.3	2.0	1.3	1.3	0.7	0.0	0.7	0.7	0.0
87.5°	2.6	1.3	1.3	0.7	0.0	0.7	0.7	0.0	0.0	0.0	1.3
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°	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0
2.5°	1360.9	1360.2	1361.6	1361.6	1365.5	1364.9	1366.8	1366.8	1365.5	1366.2	1368.8
5°	1365.5	1367.5	1371.5	1374.8	1380.7	1383.4	1386.7	1390.0	1390.6	1392.6	1394.6
7.5°	1365.5	1372.1	1376.8	1382.7	1390.6	1395.3	1402.5	1408.5	1411.1	1414.4	1418.4
10°	1362.9	1369.5	1378.1	1384.7	1394.6	1401.9	1409.1	1418.4	1422.3	1427.6	1432.9
12.5°	1357.6	1364.9	1374.1	1382.7	1393.9	1400.5	1409.8	1418.4	1424.3	1431.6	1437.5
15°	1349.7	1358.2	1366.8	1375.4	1387.3	1395.3	1403.8	1413.7	1419.7	1427.6	1432.9
17.5°	1337.1	1346.4	1354.3	1362.2	1373.4	1382.7	1390.6	1399.9	1405.8	1412.4	1419.7
20°	1321.9	1330.5	1339.1	1345.7	1356.9	1364.9	1373.4	1382.0	1386.7	1388.0	1399.2
22.5°	1302.8	1308.7	1315.3	1325.9	1332.5	1339.8	1347.7	1355.6	1360.2	1367.5	1371.5
25°	1271.0	1277.0	1284.3	1288.9	1296.8	1302.8	1310.7	1319.3	1321.9	1327.2	1331.2
27.5°	1226.8	1230.1	1233.4	1237.3	1242.0	1245.3	1249.9	1253.9	1256.5	1259.2	1261.8
30°	1156.8	1156.8	1156.8	1154.1	1156.1	1158.1	1158.7	1158.1	1158.1	1157.4	1157.4
32.5°	1064.3	1059.0	1053.0	1047.8	1045.8	1043.1	1041.8	1039.8	1036.5	1034.6	1035.2
35°	939.4	927.5	920.3	913.7	908.4	904.4	902.4	900.4	899.8	897.1	894.5
37.5°	783.5	774.9	769.6	765.7	761.1	757.1	757.7	758.4	760.4	759.1	759.7
40°	618.3	616.4	618.3	613.7	612.4	613.7	617.0	621.7	624.3	626.9	631.6
42.5°	470.4	473.7	478.3	478.3	480.3	482.9	486.9	494.2	498.1	502.7	508.0
45°	354.1	358.1	364.0	366.0	367.3	370.6	375.3	381.2	383.8	387.8	392.4
47.5°	272.8	275.5	278.8	282.1	285.4	286.7	291.3	291.3	294.7	297.3	298.6
50°	212.7	215.4	218.0	220.0	221.3	223.3	224.6	226.6	227.2	228.6	229.2
52.5°	166.5	169.8	169.8	171.1	173.1	175.1	174.4	175.1	175.7	175.7	177.7
55°	130.1	130.1	132.1	132.1	133.5	132.8	133.5	133.5	133.5	133.5	134.1
57.5°	97.1	97.8	99.8	98.4	97.8	99.1	97.8	99.1	98.4	99.8	97.8
60°	74.6	74.6	75.3	75.3	76.0	76.0	76.0	75.3	75.3	74.6	74.6
62.5°	56.2	56.8	57.5	56.8	56.8	56.8	56.2	56.2	55.5	54.8	54.8
65°	37.7	37.0	38.3	37.0	37.7	37.7	37.0	37.7	35.7	36.3	35.7
67.5°	27.1	26.4	25.8	26.4	25.8	25.1	25.1	25.8	26.4	24.4	24.4
70°	17.8	18.5	17.8	18.5	19.2	19.2	18.5	17.8	18.5	17.2	17.8
72.5°	11.2	11.2	11.2	11.2	11.2	11.9	11.9	11.9	10.6	10.6	9.9
75°	5.3	7.3	6.0	5.3	7.3	7.3	6.6	6.6	6.0	6.0	6.0
77.5°	5.3	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.3	4.0	3.3
80°	2.6	2.6	2.6	2.0	2.6	2.6	3.3	2.6	2.6	2.0	3.3
82.5°	1.3	1.3	1.3	0.0	0.7	1.3	1.3	0.7	1.3	1.3	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: P244587

CATALOG NUMBER: LSR8B30D010 EC8B309730 8LBSWOH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0
2.5°	1368.2	1367.5	1368.2	1368.8	1368.2	1367.5	1368.2	1368.8	1366.2	1365.5	1366.8
5°	1397.2	1397.2	1398.5	1399.2	1398.5	1397.2	1397.2	1394.6	1392.6	1390.6	1390.0
7.5°	1422.3	1423.7	1425.0	1425.6	1425.0	1423.7	1422.3	1418.4	1414.4	1411.1	1408.5
10°	1437.5	1439.5	1442.2	1443.5	1442.2	1439.5	1437.5	1432.9	1427.6	1422.3	1418.4
12.5°	1444.1	1446.1	1449.4	1448.8	1449.4	1446.1	1444.1	1437.5	1431.6	1424.3	1418.4
15°	1439.5	1442.2	1445.5	1446.8	1445.5	1442.2	1439.5	1432.9	1427.6	1419.7	1413.7
17.5°	1425.0	1428.9	1430.9	1432.9	1430.9	1428.9	1425.0	1419.7	1412.4	1405.8	1399.9
20°	1405.2	1407.8	1410.5	1411.1	1410.5	1407.8	1405.2	1399.2	1388.0	1386.7	1382.0
22.5°	1376.8	1378.7	1384.7	1382.7	1384.7	1378.7	1376.8	1371.5	1367.5	1360.2	1355.6
25°	1335.8	1337.8	1338.4	1339.1	1338.4	1337.8	1335.8	1331.2	1327.2	1321.9	1319.3
27.5°	1265.1	1265.1	1266.4	1267.1	1266.4	1265.1	1265.1	1261.8	1259.2	1256.5	1253.9
30°	1158.1	1158.1	1158.1	1161.4	1158.1	1158.1	1158.1	1157.4	1157.4	1158.1	1158.1
32.5°	1034.6	1033.2	1031.9	1033.2	1031.9	1033.2	1034.6	1035.2	1034.6	1036.5	1039.8
35°	894.5	893.8	895.8	893.2	895.8	893.8	894.5	894.5	897.1	899.8	900.4
37.5°	760.4	759.1	761.7	759.1	761.7	759.1	760.4	759.7	759.1	760.4	758.4
40°	632.9	634.2	634.2	639.5	634.2	634.2	632.9	631.6	626.9	624.3	621.7
42.5°	510.7	514.6	513.3	517.3	513.3	514.6	510.7	508.0	502.7	498.1	494.2
45°	395.0	397.7	397.7	399.0	397.7	397.7	395.0	392.4	387.8	383.8	381.2
47.5°	303.2	303.2	303.2	303.9	303.2	303.2	303.2	298.6	297.3	294.7	291.3
50°	230.6	231.2	231.9	232.5	231.9	231.2	230.6	229.2	228.6	227.2	226.6
52.5°	177.0	177.7	176.4	177.7	176.4	177.7	177.0	177.7	175.7	175.7	175.1
55°	134.1	133.5	134.1	134.8	134.1	133.5	134.1	134.1	133.5	133.5	133.5
57.5°	98.4	97.1	97.1	97.1	97.1	97.1	98.4	97.8	99.8	98.4	99.1
60°	73.3	74.0	74.0	74.6	74.0	74.0	73.3	74.6	74.6	75.3	75.3
62.5°	54.2	56.2	54.8	56.2	54.8	56.2	54.2	54.8	54.8	55.5	56.2
65°	35.0	35.0	35.0	35.7	35.0	35.0	35.0	35.7	36.3	35.7	37.7
67.5°	23.8	24.4	25.8	25.1	25.8	24.4	23.8	24.4	24.4	26.4	25.8
70°	19.2	17.2	17.2	19.2	17.2	17.2	19.2	17.8	17.2	18.5	17.8
72.5°	11.2	9.9	11.2	11.2	11.2	9.9	11.2	9.9	10.6	10.6	11.9
75°	6.0	5.3	4.6	6.6	4.6	5.3	6.0	6.0	6.0	6.0	6.6
77.5°	4.0	3.3	4.6	4.6	4.6	3.3	4.0	3.3	4.0	3.3	4.0
80°	2.0	2.6	2.0	3.3	2.0	2.6	2.0	3.3	2.0	2.6	2.6
82.5°	0.7	1.3	1.3	1.3	1.3	1.3	0.7	0.7	1.3	1.3	0.7
85°	0.0	1.3	0.7	0.7	0.7	1.3	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: P244587

CATALOG NUMBER: LSR8B30D010 EC8B309730 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0
2.5°	1366.8	1364.9	1365.5	1361.6	1361.6	1360.2	1360.9	1357.6	1356.3	1355.0	1356.9
5°	1386.7	1383.4	1380.7	1374.8	1371.5	1367.5	1365.5	1360.2	1355.6	1351.6	1351.0
7.5°	1402.5	1395.3	1390.6	1382.7	1376.8	1372.1	1365.5	1358.2	1352.3	1347.0	1343.1
10°	1409.1	1401.9	1394.6	1384.7	1378.1	1369.5	1362.9	1353.6	1345.7	1338.4	1333.8
12.5°	1409.8	1400.5	1393.9	1382.7	1374.1	1364.9	1357.6	1347.0	1337.8	1330.5	1323.2
15°	1403.8	1395.3	1387.3	1375.4	1366.8	1358.2	1349.7	1338.4	1329.9	1321.3	1316.0
17.5°	1390.6	1382.7	1373.4	1362.2	1354.3	1346.4	1337.1	1327.9	1317.9	1308.7	1302.1
20°	1373.4	1364.9	1356.9	1345.7	1339.1	1330.5	1321.9	1312.0	1304.1	1294.8	1287.6
22.5°	1347.7	1339.8	1332.5	1325.9	1315.3	1308.7	1302.8	1291.5	1283.6	1275.0	1267.1
25°	1310.7	1302.8	1296.8	1288.9	1284.3	1277.0	1271.0	1261.1	1253.9	1245.9	1239.3
27.5°	1249.9	1245.3	1242.0	1237.3	1233.4	1230.1	1226.8	1218.9	1213.6	1206.3	1199.7
30°	1158.7	1158.1	1156.1	1154.1	1156.8	1156.8	1156.8	1155.4	1150.8	1145.5	1140.9
32.5°	1041.8	1043.1	1045.8	1047.8	1053.0	1059.0	1064.3	1066.9	1066.9	1063.6	1061.6
35°	902.4	904.4	908.4	913.7	920.3	927.5	939.4	942.1	944.0	944.0	941.4
37.5°	757.7	757.1	761.1	765.7	769.6	774.9	783.5	785.5	788.8	787.5	784.8
40°	617.0	613.7	612.4	613.7	618.3	616.4	618.3	617.0	617.0	612.4	612.4
42.5°	486.9	482.9	480.3	478.3	478.3	473.7	470.4	467.1	465.1	461.8	461.1
45°	375.3	370.6	367.3	366.0	364.0	358.1	354.1	350.1	345.5	344.2	344.9
47.5°	291.3	286.7	285.4	282.1	278.8	275.5	272.8	268.2	267.5	264.9	267.5
50°	224.6	223.3	221.3	220.0	218.0	215.4	212.7	210.1	208.8	208.8	209.4
52.5°	174.4	175.1	173.1	171.1	169.8	169.8	166.5	165.8	165.8	163.2	165.8
55°	133.5	132.8	133.5	132.1	132.1	130.1	130.1	128.2	128.2	126.2	127.5
57.5°	97.8	99.1	97.8	98.4	99.8	97.8	97.1	95.1	96.5	95.1	95.8
60°	76.0	76.0	76.0	75.3	75.3	74.6	74.6	74.0	74.0	72.7	74.0
62.5°	56.2	56.8	56.8	56.8	57.5	56.8	56.2	56.8	56.2	56.2	56.8
65°	37.0	37.7	37.7	37.0	38.3	37.0	37.7	38.3	39.0	38.3	39.0
67.5°	25.1	25.1	25.8	26.4	25.8	26.4	27.1	26.4	27.1	28.4	27.1
70°	18.5	19.2	19.2	18.5	17.8	18.5	17.8	19.8	19.8	19.8	21.1
72.5°	11.9	11.9	11.2	11.2	11.2	11.2	11.2	13.2	11.9	11.2	12.6
75°	6.6	7.3	7.3	5.3	6.0	7.3	5.3	6.0	7.9	6.6	7.9
77.5°	4.0	4.0	4.0	4.0	4.0	4.0	5.3	4.6	4.6	4.6	5.3
80°	3.3	2.6	2.6	2.0	2.6	2.6	2.6	4.0	3.3	3.3	4.0
82.5°	1.3	1.3	0.7	0.0	1.3	1.3	1.3	1.3	1.3	1.3	2.6
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	1.3	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: P244587

CATALOG NUMBER: LSR8B30D010 EC8B309730 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0
2.5°	1351.6	1351.6	1351.0	1349.7	1347.0	1347.0	1346.4	1344.4	1343.1	1342.4	1342.4
5°	1345.0	1342.4	1339.8	1332.5	1332.5	1331.2	1327.2	1324.6	1323.2	1319.9	1318.6
7.5°	1339.1	1331.2	1326.5	1321.9	1316.0	1313.3	1308.7	1306.7	1302.1	1298.8	1296.8
10°	1324.6	1319.3	1313.3	1306.1	1301.4	1296.2	1290.9	1286.9	1281.0	1277.6	1275.0
12.5°	1314.7	1306.7	1301.4	1293.5	1285.6	1281.0	1273.7	1269.1	1263.1	1256.5	1252.5
15°	1305.4	1296.8	1289.6	1281.0	1272.4	1267.1	1258.5	1253.2	1244.6	1238.0	1233.4
17.5°	1291.5	1284.3	1276.3	1265.8	1257.9	1251.2	1242.0	1235.4	1227.5	1218.9	1214.2
20°	1277.0	1268.4	1260.5	1249.9	1242.0	1234.1	1224.8	1217.6	1208.3	1200.4	1195.1
22.5°	1257.9	1247.9	1241.3	1230.7	1221.5	1212.9	1204.3	1195.7	1187.2	1180.5	1174.6
25°	1230.1	1219.5	1212.3	1203.7	1195.1	1188.5	1177.9	1172.6	1164.0	1158.1	1152.1
27.5°	1190.4	1182.5	1175.9	1167.3	1160.1	1154.8	1146.9	1141.6	1134.3	1129.0	1124.4
30°	1132.3	1125.7	1119.8	1111.2	1105.9	1101.3	1094.0	1089.4	1084.1	1078.1	1076.8
32.5°	1054.4	1049.1	1043.1	1037.2	1033.2	1030.6	1024.6	1022.0	1016.7	1013.4	1010.1
35°	936.8	932.1	928.9	926.2	924.9	925.5	924.2	926.9	928.2	927.5	928.2
37.5°	782.9	780.2	781.5	783.5	790.1	798.7	806.6	818.5	826.4	834.4	841.6
40°	611.1	613.1	618.3	630.2	647.4	666.6	684.4	706.9	729.3	745.2	759.7
42.5°	461.1	467.1	480.3	497.5	523.2	551.6	579.4	612.4	639.5	665.9	684.4
45°	346.8	354.7	371.9	395.7	424.1	457.2	492.2	529.2	561.5	588.6	609.1
47.5°	270.2	277.5	294.7	319.8	354.7	389.1	425.4	463.8	497.5	523.9	541.7
50°	213.4	222.6	237.8	264.3	299.3	335.6	373.3	410.9	442.6	465.1	480.9
52.5°	167.8	176.4	190.9	218.7	254.4	290.7	325.7	362.7	390.4	412.2	422.8
55°	130.1	138.1	153.3	176.4	210.1	245.8	280.8	312.5	338.2	354.1	364.0
57.5°	99.1	105.0	115.6	138.7	169.1	202.1	231.9	263.6	283.4	294.7	301.2
60°	75.3	79.9	91.2	109.0	136.7	165.2	190.3	214.1	229.9	239.2	245.8
62.5°	56.8	62.1	70.0	85.2	106.3	129.5	150.6	168.5	181.7	187.6	192.2
65°	39.0	42.9	48.9	60.8	78.6	95.1	111.7	124.9	133.5	140.1	142.7
67.5°	29.1	31.7	35.0	44.3	56.8	70.0	81.2	90.5	99.8	102.4	107.0
70°	21.8	23.8	27.1	33.7	41.0	50.2	59.5	64.7	71.4	76.0	77.3
72.5°	13.9	14.5	17.8	21.8	27.7	33.7	39.6	44.3	48.2	50.9	52.2
75°	7.9	11.9	11.9	15.9	19.8	22.5	26.4	29.7	31.7	33.7	33.7
77.5°	5.3	7.3	7.9	9.9	11.9	15.2	18.5	20.5	22.5	23.1	23.1
80°	4.6	5.3	5.3	7.3	8.6	11.2	13.2	13.9	15.2	15.9	17.2
82.5°	2.0	2.6	3.3	5.3	6.0	6.0	7.9	8.6	9.9	10.6	10.6
85°	0.7	1.3	1.3	2.0	3.3	4.0	4.6	5.3	6.0	6.0	6.6
87.5°	0.7	0.7	0.0	0.7	1.3	1.3	2.6	2.6	2.6	4.0	4.0
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: P244587

CATALOG NUMBER: LSR8B30D010 EC8B309730 8LBSWOH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0	1353.0
2.5°	1341.1	1341.7	1339.1	1338.4	1337.1	1337.8	1339.1
5°	1316.6	1317.3	1314.7	1312.0	1312.0	1311.3	1312.0
7.5°	1293.5	1294.2	1290.2	1288.9	1286.2	1286.9	1286.9
10°	1270.4	1270.4	1264.5	1263.8	1261.8	1261.1	1261.1
12.5°	1247.9	1245.9	1241.3	1238.7	1240.0	1236.0	1236.0
15°	1228.1	1224.8	1218.9	1216.9	1213.6	1212.3	1212.3
17.5°	1207.6	1205.0	1199.7	1195.7	1191.8	1191.1	1191.8
20°	1187.8	1185.2	1178.6	1175.9	1172.6	1172.6	1171.3
22.5°	1168.0	1165.3	1159.4	1157.4	1152.8	1152.8	1153.5
25°	1147.5	1145.5	1138.9	1137.6	1137.0	1134.3	1135.6
27.5°	1119.8	1118.4	1113.2	1111.2	1108.5	1107.9	1109.2
30°	1068.9	1066.9	1063.0	1061.0	1056.4	1057.0	1058.3
32.5°	1005.5	1002.8	997.5	995.6	991.6	990.3	990.9
35°	926.2	924.2	919.6	919.6	915.6	914.3	915.6
37.5°	845.6	847.6	845.6	847.6	845.6	844.9	845.6
40°	769.6	776.9	778.2	785.5	782.9	786.8	786.2
42.5°	697.0	708.8	713.5	719.4	718.1	720.8	722.7
45°	623.6	633.5	638.2	642.1	642.8	644.1	644.8
47.5°	554.3	562.2	562.8	567.5	566.8	566.8	568.8
50°	489.5	494.8	496.1	499.4	496.8	495.5	496.1
52.5°	429.4	434.7	433.4	434.7	431.4	430.1	430.7
55°	368.0	370.6	370.6	370.6	366.7	366.7	366.7
57.5°	305.2	305.9	304.6	305.2	304.6	300.6	299.9
60°	247.7	247.7	247.1	247.7	245.8	243.8	243.8
62.5°	193.6	194.9	197.5	194.9	193.6	194.9	192.9
65°	144.7	147.3	146.6	148.0	147.3	147.3	146.0
67.5°	109.0	109.7	110.3	111.0	111.0	111.0	111.0
70°	79.9	81.9	81.2	81.2	81.2	81.2	85.2
72.5°	53.5	56.2	55.5	56.8	56.8	58.1	56.8
75°	36.3	39.0	37.7	39.6	39.0	37.7	41.0
77.5°	24.4	25.8	26.4	27.1	26.4	25.8	26.4
80°	17.2	18.5	17.8	18.5	18.5	18.5	19.2
82.5°	10.6	12.6	11.9	12.6	11.9	12.6	12.6
85°	7.3	7.9	6.6	7.9	7.3	7.3	8.6
87.5°	4.6	4.0	4.0	4.6	4.0	4.6	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)