

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: P245901

Luminaire Tested: **LSR8B30D010 EC8B30835 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245901
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 EC8B30835 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2364.0 lumens
Efficiency: N/A
Efficacy: 87.2 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

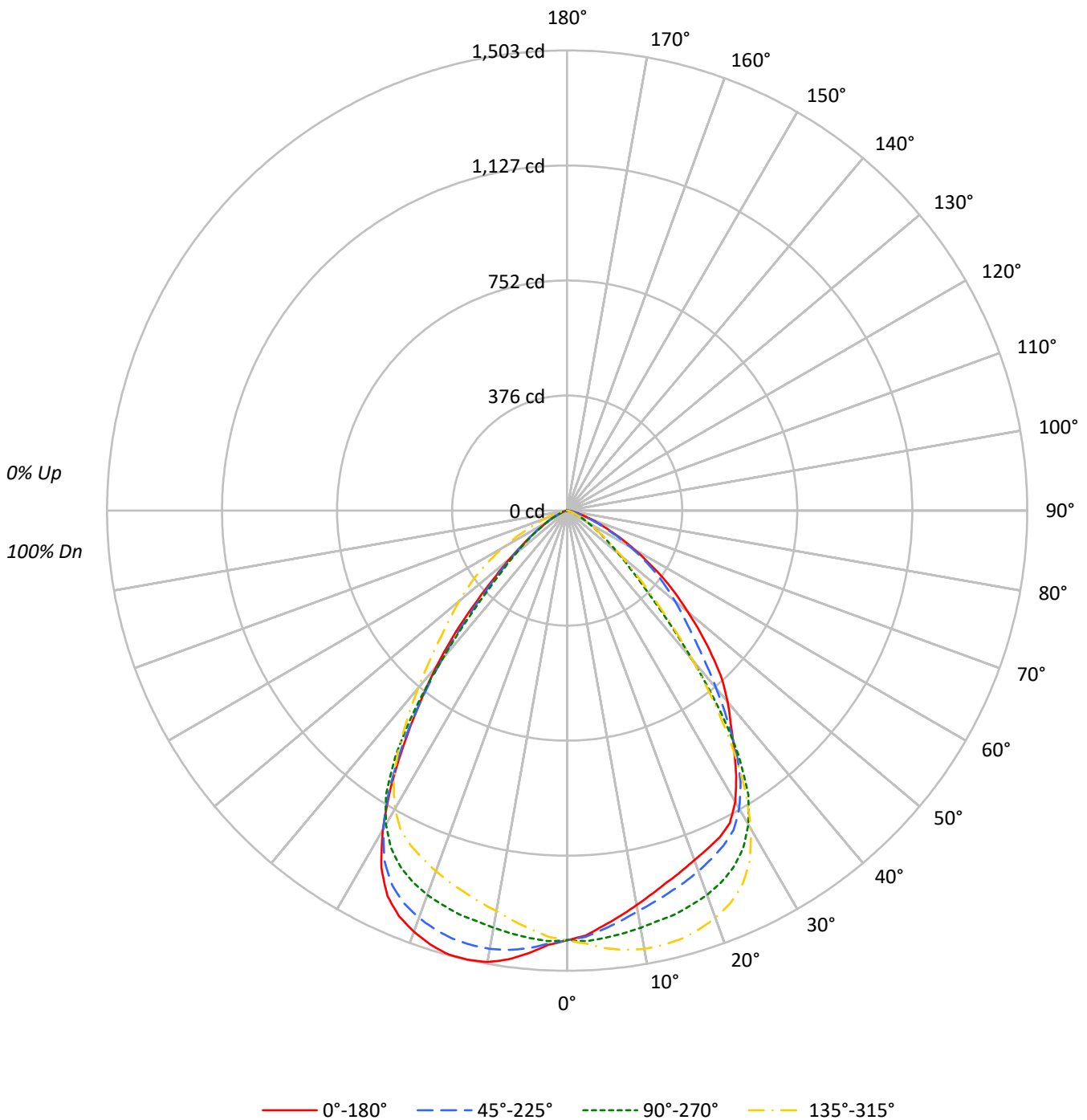
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	43276	43276	43276	43276
5°	42129	43379	44927	43379
10°	40962	43320	46883	43320
15°	40145	43580	47908	43580
20°	39871	43828	48032	43828
25°	40080	43741	47259	43741
30°	39089	42141	42895	42141
35°	35754	36760	34877	36760
40°	32827	25569	26704	25569
45°	29166	15599	18050	15599
50°	24687	10420	11571	10420
55°	20445	7113	7516	7113
60°	15597	4730	4773	4730
65°	11047	2948	2700	2948
70°	7970	1974	1794	1974
75°	5064	977	822	977
80°	3534	728	604	728
85°	3149	0	248	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.6	5.7
10°-20°	386.8	16.4
20°-30°	585.7	24.8
30°-40°	587.0	24.8
40°-50°	368.6	15.6
50°-60°	196.4	8.3
60°-70°	80.8	3.4
70°-80°	21.3	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°	1106.1	46.8
0°-40°	1693.2	71.6
0°-60°	2258.3	95.5
0°-90°	2364.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2364.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1403	1403	1403	1403	1403	
5°	1361	1401	1451	1401	1361	128
15°	1258	1365	1501	1365	1258	356
25°	1178	1286	1389	1286	1178	540
35°	950	976	926	976	950	595
45°	669	358	414	358	669	514
55°	380	132	140	132	380	339
65°	151	40	37	40	151	157
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°	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4
2.5°	1389.0	1387.7	1387.0	1388.4	1389.0	1391.8	1391.1	1392.5	1392.5	1393.2	1394.5
5°	1361.0	1360.2	1361.0	1361.0	1363.7	1366.4	1365.7	1367.8	1369.2	1372.6	1374.0
7.5°	1334.9	1334.9	1334.2	1336.9	1338.3	1342.4	1341.7	1345.2	1347.2	1350.7	1355.5
10°	1308.2	1308.2	1308.9	1310.9	1311.6	1317.8	1317.8	1322.6	1325.3	1328.7	1334.9
12.5°	1282.1	1282.1	1286.3	1284.9	1287.6	1292.4	1294.5	1299.3	1303.4	1310.2	1316.4
15°	1257.5	1257.5	1258.8	1262.3	1264.3	1270.5	1273.9	1279.4	1284.2	1291.1	1300.0
17.5°	1236.2	1235.5	1236.2	1240.3	1244.5	1249.9	1252.7	1259.5	1264.3	1273.2	1281.5
20°	1215.0	1216.4	1216.4	1219.8	1222.5	1229.4	1232.1	1239.7	1245.1	1253.3	1263.0
22.5°	1196.5	1195.8	1195.8	1200.6	1202.7	1208.8	1211.5	1218.4	1224.6	1231.4	1240.3
25°	1178.0	1176.6	1179.4	1180.0	1181.4	1188.2	1190.3	1195.1	1201.3	1207.5	1216.4
27.5°	1150.6	1149.2	1149.9	1152.6	1154.7	1160.2	1161.5	1166.3	1171.1	1176.6	1184.2
30°	1097.8	1096.4	1095.8	1100.6	1102.6	1106.7	1108.8	1117.0	1118.4	1124.5	1130.0
32.5°	1027.9	1027.2	1028.6	1032.7	1034.7	1040.2	1043.0	1047.8	1051.2	1054.6	1060.1
35°	949.8	948.4	949.8	953.9	953.9	958.7	960.8	962.8	962.1	962.8	961.4
37.5°	877.2	876.5	877.2	879.2	877.2	879.2	877.2	873.0	865.5	857.3	849.0
40°	815.5	816.1	812.1	814.8	807.2	805.9	798.4	788.1	773.0	756.5	733.3
42.5°	749.7	747.6	744.9	746.3	740.1	735.3	723.0	710.0	690.7	663.4	635.2
45°	668.8	668.2	666.8	666.1	662.0	657.2	646.9	631.8	610.6	582.5	548.9
47.5°	590.0	588.0	588.0	588.6	583.8	583.2	574.9	561.9	543.4	516.0	481.1
50°	514.6	513.9	515.3	518.1	514.6	513.3	507.8	498.9	482.4	459.1	426.2
52.5°	446.8	446.1	447.5	450.9	449.5	450.9	445.4	438.6	427.6	405.0	376.2
55°	380.3	380.3	380.3	384.4	384.4	384.4	381.7	377.6	367.3	350.9	324.1
57.5°	311.1	311.8	315.9	316.6	315.9	317.3	316.6	312.5	305.6	294.0	273.4
60°	252.9	252.9	254.9	257.0	256.3	257.0	257.0	254.9	248.1	238.5	222.0
62.5°	200.1	202.2	200.8	202.2	204.9	202.2	200.8	199.4	194.6	188.4	174.7
65°	151.4	152.8	152.8	153.5	152.1	152.8	150.1	148.0	145.3	138.4	129.5
67.5°	115.1	115.1	115.1	115.1	114.4	113.8	113.1	111.0	106.2	103.5	93.9
70°	88.4	84.3	84.3	84.3	84.3	85.0	82.9	80.2	78.8	74.0	67.2
72.5°	58.9	60.3	58.9	58.9	57.6	58.2	55.5	54.1	52.8	50.0	45.9
75°	42.5	39.1	40.4	41.1	39.1	40.4	37.7	34.9	34.9	32.9	30.8
77.5°	27.4	26.7	27.4	28.1	27.4	26.7	25.4	24.0	24.0	23.3	21.2
80°	19.9	19.2	19.2	19.2	18.5	19.2	17.8	17.8	16.4	15.8	14.4
82.5°	13.0	13.0	12.3	13.0	12.3	13.0	11.0	11.0	11.0	10.3	8.9
85°	8.9	7.5	7.5	8.2	6.9	8.2	7.5	6.9	6.2	6.2	5.5
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°	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4
2.5°	1396.6	1397.3	1397.3	1400.0	1401.4	1402.0	1402.0	1407.6	1405.5	1406.9	1408.2
5°	1376.7	1380.8	1382.2	1382.2	1389.7	1392.5	1395.2	1401.4	1402.0	1406.2	1411.0
7.5°	1357.5	1362.3	1365.1	1371.2	1376.0	1380.8	1389.0	1393.2	1397.3	1402.8	1408.9
10°	1339.0	1344.5	1350.0	1354.8	1362.3	1368.5	1374.0	1383.5	1388.4	1395.9	1404.1
12.5°	1321.2	1328.7	1333.5	1341.7	1350.0	1355.5	1363.7	1372.6	1380.1	1387.7	1397.3
15°	1305.4	1314.4	1319.8	1328.7	1337.7	1345.2	1354.1	1365.1	1370.5	1379.5	1388.4
17.5°	1288.3	1297.9	1304.8	1313.0	1323.9	1332.2	1339.7	1350.7	1357.5	1367.1	1377.4
20°	1270.5	1280.1	1288.3	1296.5	1307.5	1315.7	1324.6	1335.6	1343.1	1352.7	1361.0
22.5°	1249.3	1258.2	1267.1	1276.6	1287.6	1294.5	1304.8	1314.4	1322.6	1331.5	1339.7
25°	1221.8	1232.8	1239.7	1248.6	1257.5	1265.0	1276.0	1285.6	1292.4	1300.6	1308.2
27.5°	1189.6	1197.9	1203.3	1210.9	1219.8	1226.6	1234.8	1244.5	1251.3	1258.8	1264.3
30°	1134.8	1142.4	1147.1	1152.6	1161.5	1167.7	1174.6	1183.5	1188.2	1193.7	1198.5
32.5°	1062.8	1069.0	1071.8	1075.9	1082.0	1088.2	1093.7	1101.2	1103.3	1106.7	1106.7
35°	958.7	960.1	959.4	960.8	963.5	966.9	971.7	976.5	979.2	979.2	977.2
37.5°	836.7	828.5	819.6	812.7	810.7	809.3	812.1	814.1	816.9	818.2	814.8
40°	710.0	691.4	671.6	653.7	641.4	635.9	633.9	635.2	635.2	640.0	640.0
42.5°	601.0	572.2	542.7	516.0	498.2	484.5	478.3	478.3	479.0	482.4	484.5
45°	510.5	474.2	439.9	410.5	385.8	368.0	359.8	357.7	357.0	358.4	363.2
47.5°	441.3	403.6	368.0	331.7	305.6	287.8	280.3	277.5	274.8	277.5	278.2
50°	387.2	348.1	310.4	274.1	246.7	230.9	221.3	217.2	216.5	216.5	217.9
52.5°	337.8	301.5	263.8	226.8	198.0	183.0	174.1	172.0	169.3	172.0	172.0
55°	291.2	254.9	217.9	183.0	159.0	143.2	135.0	132.3	130.9	132.9	132.9
57.5°	240.5	209.7	175.4	143.9	119.9	109.0	102.8	99.4	98.7	100.0	98.7
60°	197.4	171.3	141.8	113.1	94.6	82.9	78.1	76.7	75.4	76.7	76.7
62.5°	156.2	134.3	110.3	88.4	72.6	64.4	58.9	58.9	58.2	58.2	58.9
65°	115.8	98.7	81.5	63.0	50.7	44.5	40.4	40.4	39.7	40.4	39.7
67.5°	84.3	72.6	58.9	45.9	36.3	32.9	30.2	28.1	29.5	28.1	27.4
70°	61.7	52.1	42.5	34.9	28.1	24.7	22.6	21.9	20.6	20.6	20.6
72.5°	41.1	34.9	28.8	22.6	18.5	15.1	14.4	13.0	11.6	12.3	13.7
75°	27.4	23.3	20.6	16.4	12.3	12.3	8.2	8.2	6.9	8.2	6.2
77.5°	19.2	15.8	12.3	10.3	8.2	7.5	5.5	5.5	4.8	4.8	4.8
80°	13.7	11.6	8.9	7.5	5.5	5.5	4.8	4.1	3.4	3.4	4.1
82.5°	8.2	6.2	6.2	5.5	3.4	2.7	2.1	2.7	1.4	1.4	1.4
85°	4.8	4.1	3.4	2.1	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°	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4
2.5°	1411.7	1411.0	1412.3	1412.3	1416.5	1415.8	1417.8	1417.8	1416.5	1417.1	1419.9
5°	1416.5	1418.5	1422.6	1426.1	1432.2	1435.0	1438.4	1441.8	1442.5	1444.6	1446.6
7.5°	1416.5	1423.3	1428.1	1434.3	1442.5	1447.3	1454.8	1461.0	1463.7	1467.1	1471.3
10°	1413.7	1420.6	1429.5	1436.3	1446.6	1454.1	1461.7	1471.3	1475.4	1480.9	1486.4
12.5°	1408.2	1415.8	1425.3	1434.3	1445.9	1452.8	1462.4	1471.3	1477.4	1485.0	1491.2
15°	1400.0	1408.9	1417.8	1426.7	1439.1	1447.3	1456.2	1466.5	1472.7	1480.9	1486.4
17.5°	1387.0	1396.6	1404.8	1413.0	1424.7	1434.3	1442.5	1452.1	1458.3	1465.1	1472.7
20°	1371.2	1380.1	1389.0	1395.9	1407.6	1415.8	1424.7	1433.6	1438.4	1439.8	1451.4
22.5°	1351.4	1357.5	1364.4	1375.3	1382.2	1389.7	1398.0	1406.2	1411.0	1418.5	1422.6
25°	1318.4	1324.6	1332.2	1336.9	1345.2	1351.4	1359.6	1368.5	1371.2	1376.7	1380.8
27.5°	1272.6	1276.0	1279.4	1283.5	1288.3	1291.7	1296.5	1300.6	1303.4	1306.1	1308.9
30°	1199.9	1199.9	1199.9	1197.2	1199.2	1201.3	1202.0	1201.3	1201.3	1200.6	1200.6
32.5°	1104.0	1098.5	1092.3	1086.8	1084.8	1082.0	1080.7	1078.6	1075.2	1073.1	1073.8
35°	974.4	962.1	954.6	947.7	942.3	938.1	936.1	934.0	933.3	930.6	927.8
37.5°	812.7	803.8	798.4	794.2	789.4	785.3	786.0	786.7	788.7	787.4	788.1
40°	641.4	639.4	641.4	636.6	635.2	636.6	640.0	644.9	647.6	650.3	655.1
42.5°	487.9	491.3	496.1	496.1	498.2	500.9	505.0	512.6	516.7	521.5	527.0
45°	367.3	371.4	377.6	379.6	381.0	384.4	389.2	395.4	398.1	402.2	407.0
47.5°	283.0	285.8	289.2	292.6	296.0	297.4	302.2	302.2	305.6	308.4	309.7
50°	220.7	223.4	226.1	228.2	229.6	231.6	233.0	235.0	235.7	237.1	237.8
52.5°	172.7	176.1	176.1	177.5	179.5	181.6	180.9	181.6	182.3	182.3	184.3
55°	135.0	135.0	137.1	137.1	138.4	137.7	138.4	138.4	138.4	138.4	139.1
57.5°	100.7	101.4	103.5	102.1	101.4	102.8	101.4	102.8	102.1	103.5	101.4
60°	77.4	77.4	78.1	78.1	78.8	78.8	78.8	78.1	78.1	77.4	77.4
62.5°	58.2	58.9	59.6	58.9	58.9	58.9	58.2	58.2	57.6	56.9	56.9
65°	39.1	38.4	39.7	38.4	39.1	39.1	38.4	39.1	37.0	37.7	37.0
67.5°	28.1	27.4	26.7	27.4	26.7	26.0	26.0	26.7	27.4	25.4	25.4
70°	18.5	19.2	18.5	19.2	19.9	19.9	19.2	18.5	19.2	17.8	18.5
72.5°	11.6	11.6	11.6	11.6	11.6	12.3	12.3	12.3	11.0	11.0	10.3
75°	5.5	7.5	6.2	5.5	7.5	7.5	6.9	6.9	6.2	6.2	6.2
77.5°	5.5	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	2.1	2.7	2.7	3.4	2.7	2.7	2.1	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: P245901

CATALOG NUMBER: LSR8B30D010 EC8B30835 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4
2.5°	1419.2	1418.5	1419.2	1419.9	1419.2	1418.5	1419.2	1419.9	1417.1	1416.5	1417.8
5°	1449.4	1449.4	1450.7	1451.4	1450.7	1449.4	1449.4	1446.6	1444.6	1442.5	1441.8
7.5°	1475.4	1476.8	1478.1	1478.8	1478.1	1476.8	1475.4	1471.3	1467.1	1463.7	1461.0
10°	1491.2	1493.2	1495.9	1497.3	1495.9	1493.2	1491.2	1486.4	1480.9	1475.4	1471.3
12.5°	1498.0	1500.1	1503.5	1502.8	1503.5	1500.1	1498.0	1491.2	1485.0	1477.4	1471.3
15°	1493.2	1495.9	1499.4	1500.7	1499.4	1495.9	1493.2	1486.4	1480.9	1472.7	1466.5
17.5°	1478.1	1482.2	1484.3	1486.4	1484.3	1482.2	1478.1	1472.7	1465.1	1458.3	1452.1
20°	1457.6	1460.3	1463.1	1463.7	1463.1	1460.3	1457.6	1451.4	1439.8	1438.4	1433.6
22.5°	1428.1	1430.2	1436.3	1434.3	1436.3	1430.2	1428.1	1422.6	1418.5	1411.0	1406.2
25°	1385.6	1387.7	1388.4	1389.0	1388.4	1387.7	1385.6	1380.8	1376.7	1371.2	1368.5
27.5°	1312.3	1312.3	1313.7	1314.4	1313.7	1312.3	1312.3	1308.9	1306.1	1303.4	1300.6
30°	1201.3	1201.3	1201.3	1204.7	1201.3	1201.3	1201.3	1200.6	1200.6	1201.3	1201.3
32.5°	1073.1	1071.8	1070.4	1071.8	1070.4	1071.8	1073.1	1073.8	1073.1	1075.2	1078.6
35°	927.8	927.2	929.2	926.5	929.2	927.2	927.8	927.8	930.6	933.3	934.0
37.5°	788.7	787.4	790.1	787.4	790.1	787.4	788.7	788.1	787.4	788.7	786.7
40°	656.5	657.9	657.9	663.4	657.9	657.9	656.5	655.1	650.3	647.6	644.9
42.5°	529.7	533.8	532.5	536.6	532.5	533.8	529.7	527.0	521.5	516.7	512.6
45°	409.8	412.5	412.5	413.9	412.5	412.5	409.8	407.0	402.2	398.1	395.4
47.5°	314.5	314.5	314.5	315.2	314.5	314.5	314.5	309.7	308.4	305.6	302.2
50°	239.2	239.8	240.5	241.2	240.5	239.8	239.2	237.8	237.1	235.7	235.0
52.5°	183.7	184.3	183.0	184.3	183.0	184.3	183.7	184.3	182.3	182.3	181.6
55°	139.1	138.4	139.1	139.8	139.1	138.4	139.1	139.1	138.4	138.4	138.4
57.5°	102.1	100.7	100.7	100.7	100.7	100.7	102.1	101.4	103.5	102.1	102.8
60°	76.1	76.7	76.7	77.4	76.7	76.7	76.1	77.4	77.4	78.1	78.1
62.5°	56.2	58.2	56.9	58.2	56.9	58.2	56.2	56.9	56.9	57.6	58.2
65°	36.3	36.3	36.3	37.0	36.3	36.3	36.3	37.0	37.7	37.0	39.1
67.5°	24.7	25.4	26.7	26.0	26.7	25.4	24.7	25.4	25.4	27.4	26.7
70°	19.9	17.8	17.8	19.9	17.8	17.8	19.9	18.5	17.8	19.2	18.5
72.5°	11.6	10.3	11.6	11.6	11.6	10.3	11.6	10.3	11.0	11.0	12.3
75°	6.2	5.5	4.8	6.9	4.8	5.5	6.2	6.2	6.2	6.2	6.9
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°	2.1	2.7	2.1	3.4	2.1	2.7	2.1	3.4	2.1	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: P245901

CATALOG NUMBER: LSR8B30D010 EC8B30835 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4
2.5°	1417.8	1415.8	1416.5	1412.3	1412.3	1411.0	1411.7	1408.2	1406.9	1405.5	1407.6
5°	1438.4	1435.0	1432.2	1426.1	1422.6	1418.5	1416.5	1411.0	1406.2	1402.0	1401.4
7.5°	1454.8	1447.3	1442.5	1434.3	1428.1	1423.3	1416.5	1408.9	1402.8	1397.3	1393.2
10°	1461.7	1454.1	1446.6	1436.3	1429.5	1420.6	1413.7	1404.1	1395.9	1388.4	1383.5
12.5°	1462.4	1452.8	1445.9	1434.3	1425.3	1415.8	1408.2	1397.3	1387.7	1380.1	1372.6
15°	1456.2	1447.3	1439.1	1426.7	1417.8	1408.9	1400.0	1388.4	1379.5	1370.5	1365.1
17.5°	1442.5	1434.3	1424.7	1413.0	1404.8	1396.6	1387.0	1377.4	1367.1	1357.5	1350.7
20°	1424.7	1415.8	1407.6	1395.9	1389.0	1380.1	1371.2	1361.0	1352.7	1343.1	1335.6
22.5°	1398.0	1389.7	1382.2	1375.3	1364.4	1357.5	1351.4	1339.7	1331.5	1322.6	1314.4
25°	1359.6	1351.4	1345.2	1336.9	1332.2	1324.6	1318.4	1308.2	1300.6	1292.4	1285.6
27.5°	1296.5	1291.7	1288.3	1283.5	1279.4	1276.0	1272.6	1264.3	1258.8	1251.3	1244.5
30°	1202.0	1201.3	1199.2	1197.2	1199.9	1199.9	1199.9	1198.5	1193.7	1188.2	1183.5
32.5°	1080.7	1082.0	1084.8	1086.8	1092.3	1098.5	1104.0	1106.7	1106.7	1103.3	1101.2
35°	936.1	938.1	942.3	947.7	954.6	962.1	974.4	977.2	979.2	979.2	976.5
37.5°	786.0	785.3	789.4	794.2	798.4	803.8	812.7	814.8	818.2	816.9	814.1
40°	640.0	636.6	635.2	636.6	641.4	639.4	641.4	640.0	640.0	635.2	635.2
42.5°	505.0	500.9	498.2	496.1	496.1	491.3	487.9	484.5	482.4	479.0	478.3
45°	389.2	384.4	381.0	379.6	377.6	371.4	367.3	363.2	358.4	357.0	357.7
47.5°	302.2	297.4	296.0	292.6	289.2	285.8	283.0	278.2	277.5	274.8	277.5
50°	233.0	231.6	229.6	228.2	226.1	223.4	220.7	217.9	216.5	216.5	217.2
52.5°	180.9	181.6	179.5	177.5	176.1	176.1	172.7	172.0	172.0	169.3	172.0
55°	138.4	137.7	138.4	137.1	137.1	135.0	135.0	132.9	132.9	130.9	132.3
57.5°	101.4	102.8	101.4	102.1	103.5	101.4	100.7	98.7	100.0	98.7	99.4
60°	78.8	78.8	78.8	78.1	78.1	77.4	77.4	76.7	76.7	75.4	76.7
62.5°	58.2	58.9	58.9	58.9	59.6	58.9	58.2	58.9	58.2	58.2	58.9
65°	38.4	39.1	39.1	38.4	39.7	38.4	39.1	39.7	40.4	39.7	40.4
67.5°	26.0	26.0	26.7	27.4	26.7	27.4	28.1	27.4	28.1	29.5	28.1
70°	19.2	19.9	19.9	19.2	18.5	19.2	18.5	20.6	20.6	20.6	21.9
72.5°	12.3	12.3	11.6	11.6	11.6	11.6	11.6	13.7	12.3	11.6	13.0
75°	6.9	7.5	7.5	5.5	6.2	7.5	5.5	6.2	8.2	6.9	8.2
77.5°	4.1	4.1	4.1	4.1	4.1	4.1	5.5	4.8	4.8	4.8	5.5
80°	3.4	2.7	2.7	2.1	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: P245901

CATALOG NUMBER: LSR8B30D010 EC8B30835 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4
2.5°	1402.0	1402.0	1401.4	1400.0	1397.3	1397.3	1396.6	1394.5	1393.2	1392.5	1392.5
5°	1395.2	1392.5	1389.7	1382.2	1382.2	1380.8	1376.7	1374.0	1372.6	1369.2	1367.8
7.5°	1389.0	1380.8	1376.0	1371.2	1365.1	1362.3	1357.5	1355.5	1350.7	1347.2	1345.2
10°	1374.0	1368.5	1362.3	1354.8	1350.0	1344.5	1339.0	1334.9	1328.7	1325.3	1322.6
12.5°	1363.7	1355.5	1350.0	1341.7	1333.5	1328.7	1321.2	1316.4	1310.2	1303.4	1299.3
15°	1354.1	1345.2	1337.7	1328.7	1319.8	1314.4	1305.4	1300.0	1291.1	1284.2	1279.4
17.5°	1339.7	1332.2	1323.9	1313.0	1304.8	1297.9	1288.3	1281.5	1273.2	1264.3	1259.5
20°	1324.6	1315.7	1307.5	1296.5	1288.3	1280.1	1270.5	1263.0	1253.3	1245.1	1239.7
22.5°	1304.8	1294.5	1287.6	1276.6	1267.1	1258.2	1249.3	1240.3	1231.4	1224.6	1218.4
25°	1276.0	1265.0	1257.5	1248.6	1239.7	1232.8	1221.8	1216.4	1207.5	1201.3	1195.1
27.5°	1234.8	1226.6	1219.8	1210.9	1203.3	1197.9	1189.6	1184.2	1176.6	1171.1	1166.3
30°	1174.6	1167.7	1161.5	1152.6	1147.1	1142.4	1134.8	1130.0	1124.5	1118.4	1117.0
32.5°	1093.7	1088.2	1082.0	1075.9	1071.8	1069.0	1062.8	1060.1	1054.6	1051.2	1047.8
35°	971.7	966.9	963.5	960.8	959.4	960.1	958.7	961.4	962.8	962.1	962.8
37.5°	812.1	809.3	810.7	812.7	819.6	828.5	836.7	849.0	857.3	865.5	873.0
40°	633.9	635.9	641.4	653.7	671.6	691.4	710.0	733.3	756.5	773.0	788.1
42.5°	478.3	484.5	498.2	516.0	542.7	572.2	601.0	635.2	663.4	690.7	710.0
45°	359.8	368.0	385.8	410.5	439.9	474.2	510.5	548.9	582.5	610.6	631.8
47.5°	280.3	287.8	305.6	331.7	368.0	403.6	441.3	481.1	516.0	543.4	561.9
50°	221.3	230.9	246.7	274.1	310.4	348.1	387.2	426.2	459.1	482.4	498.9
52.5°	174.1	183.0	198.0	226.8	263.8	301.5	337.8	376.2	405.0	427.6	438.6
55°	135.0	143.2	159.0	183.0	217.9	254.9	291.2	324.1	350.9	367.3	377.6
57.5°	102.8	109.0	119.9	143.9	175.4	209.7	240.5	273.4	294.0	305.6	312.5
60°	78.1	82.9	94.6	113.1	141.8	171.3	197.4	222.0	238.5	248.1	254.9
62.5°	58.9	64.4	72.6	88.4	110.3	134.3	156.2	174.7	188.4	194.6	199.4
65°	40.4	44.5	50.7	63.0	81.5	98.7	115.8	129.5	138.4	145.3	148.0
67.5°	30.2	32.9	36.3	45.9	58.9	72.6	84.3	93.9	103.5	106.2	111.0
70°	22.6	24.7	28.1	34.9	42.5	52.1	61.7	67.2	74.0	78.8	80.2
72.5°	14.4	15.1	18.5	22.6	28.8	34.9	41.1	45.9	50.0	52.8	54.1
75°	8.2	12.3	12.3	16.4	20.6	23.3	27.4	30.8	32.9	34.9	34.9
77.5°	5.5	7.5	8.2	10.3	12.3	15.8	19.2	21.2	23.3	24.0	24.0
80°	4.8	5.5	5.5	7.5	8.9	11.6	13.7	14.4	15.8	16.4	17.8
82.5°	2.1	2.7	3.4	5.5	6.2	6.2	8.2	8.9	10.3	11.0	11.0
85°	0.7	1.4	1.4	2.1	3.4	4.1	4.8	5.5	6.2	6.2	6.9
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: P245901

CATALOG NUMBER: LSR8B30D010 EC8B30835 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4
2.5°	1391.1	1391.8	1389.0	1388.4	1387.0	1387.7	1389.0
5°	1365.7	1366.4	1363.7	1361.0	1361.0	1360.2	1361.0
7.5°	1341.7	1342.4	1338.3	1336.9	1334.2	1334.9	1334.9
10°	1317.8	1317.8	1311.6	1310.9	1308.9	1308.2	1308.2
12.5°	1294.5	1292.4	1287.6	1284.9	1286.3	1282.1	1282.1
15°	1273.9	1270.5	1264.3	1262.3	1258.8	1257.5	1257.5
17.5°	1252.7	1249.9	1244.5	1240.3	1236.2	1235.5	1236.2
20°	1232.1	1229.4	1222.5	1219.8	1216.4	1216.4	1215.0
22.5°	1211.5	1208.8	1202.7	1200.6	1195.8	1195.8	1196.5
25°	1190.3	1188.2	1181.4	1180.0	1179.4	1176.6	1178.0
27.5°	1161.5	1160.2	1154.7	1152.6	1149.9	1149.2	1150.6
30°	1108.8	1106.7	1102.6	1100.6	1095.8	1096.4	1097.8
32.5°	1043.0	1040.2	1034.7	1032.7	1028.6	1027.2	1027.9
35°	960.8	958.7	953.9	953.9	949.8	948.4	949.8
37.5°	877.2	879.2	877.2	879.2	877.2	876.5	877.2
40°	798.4	805.9	807.2	814.8	812.1	816.1	815.5
42.5°	723.0	735.3	740.1	746.3	744.9	747.6	749.7
45°	646.9	657.2	662.0	666.1	666.8	668.2	668.8
47.5°	574.9	583.2	583.8	588.6	588.0	588.0	590.0
50°	507.8	513.3	514.6	518.1	515.3	513.9	514.6
52.5°	445.4	450.9	449.5	450.9	447.5	446.1	446.8
55°	381.7	384.4	384.4	384.4	380.3	380.3	380.3
57.5°	316.6	317.3	315.9	316.6	315.9	311.8	311.1
60°	257.0	257.0	256.3	257.0	254.9	252.9	252.9
62.5°	200.8	202.2	204.9	202.2	200.8	202.2	200.1
65°	150.1	152.8	152.1	153.5	152.8	152.8	151.4
67.5°	113.1	113.8	114.4	115.1	115.1	115.1	115.1
70°	82.9	85.0	84.3	84.3	84.3	84.3	88.4
72.5°	55.5	58.2	57.6	58.9	58.9	60.3	58.9
75°	37.7	40.4	39.1	41.1	40.4	39.1	42.5
77.5°	25.4	26.7	27.4	28.1	27.4	26.7	27.4
80°	17.8	19.2	18.5	19.2	19.2	19.2	19.9
82.5°	11.0	13.0	12.3	13.0	12.3	13.0	13.0
85°	7.5	8.2	6.9	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)