

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: P245877

Luminaire Tested: **LSR8B30D010 EC8B30927 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245877
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 EC8B30927 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2242.1 lumens
Efficiency: N/A
Efficacy: 82.7 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

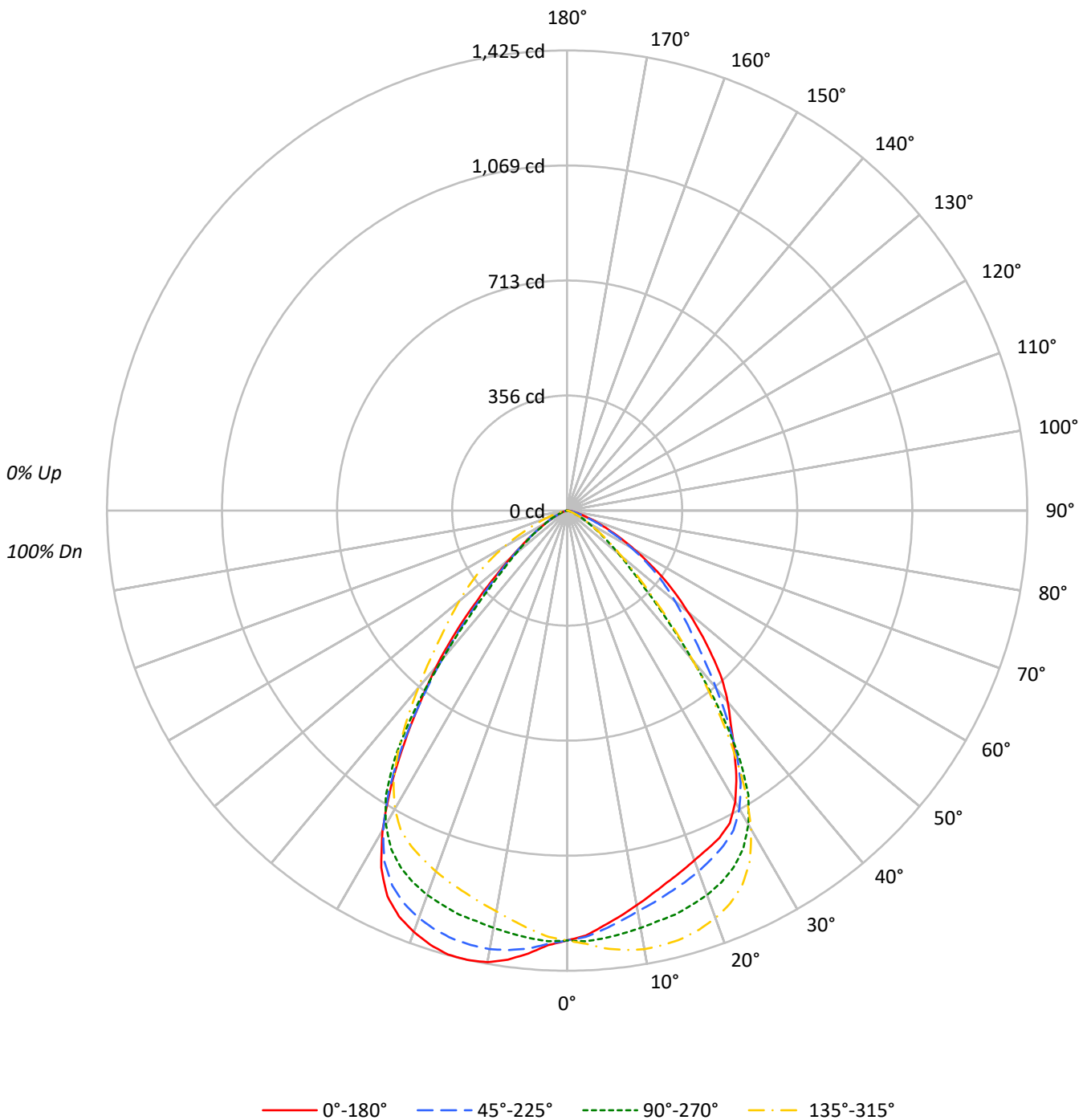
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	126.7	5.7
10°-20°	366.9	16.4
20°-30°	555.5	24.8
30°-40°	556.8	24.8
40°-50°	349.6	15.6
50°-60°	186.3	8.3
60°-70°	76.6	3.4
70°-80°	20.2	0.9
80°-90°	3.4	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°	1049.1	46.8
0°-40°	1605.9	71.6
0°-60°	2141.8	95.5
0°-90°	2242.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2242.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1331	1331	1331	1331	1331	
5°	1291	1329	1377	1329	1291	122
15°	1193	1295	1423	1295	1193	337
25°	1117	1219	1318	1219	1117	512
35°	901	926	879	926	901	564
45°	634	339	392	339	634	488
55°	361	125	133	125	361	322
65°	144	38	35	38	144	149
75°	40	8	6	8	40	46
85°	8	0	1	0	8	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°	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1
2.5°	1317.5	1316.1	1315.5	1316.8	1317.5	1320.1	1319.4	1320.6	1320.6	1321.3	1322.7
5°	1290.8	1290.1	1290.8	1290.8	1293.4	1296.0	1295.3	1297.2	1298.6	1301.9	1303.1
7.5°	1266.1	1266.1	1265.4	1268.0	1269.3	1273.3	1272.6	1275.9	1277.8	1281.0	1285.5
10°	1240.8	1240.8	1241.3	1243.4	1244.0	1249.9	1249.9	1254.4	1257.0	1260.2	1266.1
12.5°	1216.0	1216.0	1220.0	1218.6	1221.2	1225.8	1227.7	1232.3	1236.1	1242.7	1248.5
15°	1192.6	1192.6	1194.0	1197.2	1199.1	1205.0	1208.2	1213.4	1218.0	1224.4	1233.0
17.5°	1172.5	1171.8	1172.5	1176.4	1180.4	1185.5	1188.1	1194.6	1199.1	1207.6	1215.4
20°	1152.3	1153.7	1153.7	1157.0	1159.5	1166.0	1168.5	1175.7	1180.9	1188.7	1197.9
22.5°	1134.8	1134.1	1134.1	1138.7	1140.6	1146.5	1149.1	1155.6	1161.4	1168.0	1176.4
25°	1117.2	1115.9	1118.6	1119.1	1120.5	1127.0	1128.9	1133.4	1139.4	1145.2	1153.7
27.5°	1091.2	1090.0	1090.6	1093.2	1095.2	1100.4	1101.6	1106.2	1110.7	1115.9	1123.1
30°	1041.2	1040.0	1039.3	1043.8	1045.8	1049.6	1051.6	1059.4	1060.6	1066.5	1071.8
32.5°	974.9	974.2	975.6	979.4	981.4	986.6	989.2	993.7	997.0	1000.2	1005.4
35°	900.8	899.6	900.8	904.7	904.7	909.2	911.2	913.2	912.5	913.2	911.9
37.5°	831.9	831.3	831.9	833.8	831.9	833.8	831.9	828.0	820.9	813.0	805.3
40°	773.4	774.1	770.2	772.8	765.7	764.3	757.2	747.4	733.2	717.5	695.5
42.5°	711.0	709.1	706.5	707.7	702.0	697.4	685.7	673.3	655.1	629.2	602.4
45°	634.4	633.7	632.4	631.8	627.9	623.2	613.6	599.3	579.2	552.5	520.6
47.5°	559.6	557.7	557.7	558.3	553.7	553.1	545.3	532.9	515.4	489.4	456.3
50°	488.1	487.5	488.8	491.4	488.1	486.8	481.6	473.2	457.5	435.5	404.2
52.5°	423.8	423.1	424.5	427.6	426.4	427.6	422.4	416.0	405.6	384.1	356.8
55°	360.7	360.7	360.7	364.6	364.6	364.6	362.0	358.1	348.4	332.8	307.5
57.5°	295.1	295.8	299.6	300.3	299.6	300.9	300.3	296.3	289.9	278.9	259.3
60°	239.8	239.8	241.8	243.8	243.1	243.8	243.8	241.8	235.2	226.2	210.6
62.5°	189.8	191.7	190.5	191.7	194.3	191.7	190.5	189.1	184.6	178.8	165.7
65°	143.7	144.9	144.9	145.6	144.2	144.9	142.3	140.4	137.8	131.3	122.8
67.5°	109.2	109.2	109.2	109.2	108.6	107.9	107.2	105.3	100.8	98.1	89.0
70°	83.8	80.0	80.0	80.0	80.0	80.6	78.6	76.0	74.7	70.2	63.7
72.5°	55.9	57.2	55.9	55.9	54.6	55.2	52.6	51.3	50.1	47.5	43.5
75°	40.3	37.0	38.4	39.0	37.0	38.4	35.8	33.2	33.2	31.2	29.2
77.5°	26.0	25.3	26.0	26.7	26.0	25.3	24.1	22.7	22.7	22.0	20.1
80°	18.9	18.2	18.2	18.2	17.6	18.2	16.9	16.9	15.6	15.0	13.6
82.5°	12.4	12.4	11.7	12.4	11.7	12.4	10.5	10.5	10.5	9.8	8.4
85°	8.4	7.1	7.1	7.8	6.5	7.8	7.1	6.5	5.9	5.9	5.2
87.5°	3.9	4.5	3.9	4.5	3.9	3.9	4.5	3.9	3.9	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°	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1
2.5°	1324.6	1325.2	1325.2	1327.8	1329.1	1329.8	1329.8	1335.0	1333.0	1334.4	1335.6
5°	1305.8	1309.6	1311.0	1311.0	1318.0	1320.6	1323.2	1329.1	1329.8	1333.7	1338.2
7.5°	1287.6	1292.1	1294.6	1300.5	1305.1	1309.6	1317.5	1321.3	1325.2	1330.4	1336.3
10°	1270.0	1275.2	1280.4	1285.0	1292.1	1297.9	1303.1	1312.2	1316.8	1323.9	1331.8
12.5°	1253.1	1260.2	1264.8	1272.6	1280.4	1285.5	1293.4	1301.9	1308.9	1316.1	1325.2
15°	1238.2	1246.6	1251.8	1260.2	1268.7	1275.9	1284.3	1294.6	1299.9	1308.4	1316.8
17.5°	1221.9	1231.0	1237.5	1245.3	1255.7	1263.5	1270.7	1281.0	1287.6	1296.7	1306.4
20°	1205.0	1214.1	1221.9	1229.7	1240.1	1247.9	1256.3	1266.8	1273.8	1283.0	1290.8
22.5°	1184.9	1193.3	1201.7	1210.8	1221.2	1227.7	1237.5	1246.6	1254.4	1262.8	1270.7
25°	1158.9	1169.2	1175.7	1184.2	1192.6	1199.8	1210.2	1219.3	1225.8	1233.6	1240.8
27.5°	1128.3	1136.1	1141.3	1148.4	1157.0	1163.4	1171.1	1180.4	1186.8	1194.0	1199.1
30°	1076.3	1083.5	1088.0	1093.2	1101.6	1107.6	1114.0	1122.4	1127.0	1132.2	1136.7
32.5°	1008.0	1013.8	1016.6	1020.4	1026.2	1032.1	1037.4	1044.4	1046.4	1049.6	1049.6
35°	909.2	910.6	909.9	911.2	913.8	917.1	921.6	926.2	928.8	928.8	926.8
37.5°	793.6	785.8	777.4	770.8	768.9	767.6	770.2	772.1	774.8	776.0	772.8
40°	673.3	655.8	637.0	620.0	608.3	603.1	601.2	602.4	602.4	607.1	607.1
42.5°	570.0	542.7	514.8	489.4	472.5	459.6	453.7	453.7	454.3	457.5	459.6
45°	484.2	449.8	417.3	389.4	366.0	349.0	341.2	339.3	338.6	339.9	344.5
47.5°	418.6	382.8	349.0	314.6	289.9	272.9	265.8	263.2	260.7	263.2	263.9
50°	367.2	330.2	294.4	260.0	234.0	219.0	209.9	206.0	205.4	205.4	206.7
52.5°	320.4	286.0	250.2	215.1	187.9	173.6	165.0	163.1	160.5	163.1	163.1
55°	276.2	241.8	206.7	173.6	150.8	135.9	128.0	125.4	124.1	126.1	126.1
57.5°	228.2	198.9	166.4	136.5	113.7	103.4	97.5	94.3	93.6	94.8	93.6
60°	187.2	162.5	134.5	107.2	89.7	78.6	74.1	72.8	71.4	72.8	72.8
62.5°	148.2	127.4	104.6	83.8	68.9	61.1	55.9	55.9	55.2	55.2	55.9
65°	109.8	93.6	77.3	59.7	48.2	42.2	38.4	38.4	37.7	38.4	37.7
67.5°	80.0	68.9	55.9	43.5	34.4	31.2	28.6	26.7	27.9	26.7	26.0
70°	58.5	49.4	40.3	33.2	26.7	23.4	21.5	20.8	19.5	19.5	19.5
72.5°	39.0	33.2	27.3	21.5	17.6	14.3	13.6	12.4	11.0	11.7	13.0
75°	26.0	22.0	19.5	15.6	11.7	11.7	7.8	7.8	6.5	7.8	5.9
77.5°	18.2	15.0	11.7	9.8	7.8	7.1	5.2	5.2	4.5	4.5	4.5
80°	13.0	11.0	8.4	7.1	5.2	5.2	4.5	3.9	3.3	3.3	3.9
82.5°	7.8	5.9	5.9	5.2	3.3	2.6	1.9	2.6	1.3	1.3	1.3
85°	4.5	3.9	3.3	1.9	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°	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1
2.5°	1338.9	1338.2	1339.5	1339.5	1343.5	1342.8	1344.7	1344.7	1343.5	1344.0	1346.6
5°	1343.5	1345.4	1349.3	1352.6	1358.3	1361.0	1364.2	1367.4	1368.1	1370.1	1372.0
7.5°	1343.5	1349.9	1354.5	1360.4	1368.1	1372.7	1379.8	1385.7	1388.2	1391.5	1395.4
10°	1340.8	1347.3	1355.7	1362.3	1372.0	1379.1	1386.3	1395.4	1399.3	1404.6	1409.7
12.5°	1335.6	1342.8	1351.9	1360.4	1371.4	1377.9	1387.0	1395.4	1401.3	1408.4	1414.2
15°	1327.8	1336.3	1344.7	1353.1	1364.9	1372.7	1381.2	1390.8	1396.7	1404.6	1409.7
17.5°	1315.5	1324.6	1332.3	1340.2	1351.2	1360.4	1368.1	1377.2	1383.1	1389.6	1396.7
20°	1300.5	1308.9	1317.5	1323.9	1335.0	1342.8	1351.2	1359.7	1364.2	1365.5	1376.6
22.5°	1281.7	1287.6	1294.0	1304.4	1311.0	1318.0	1325.9	1333.7	1338.2	1345.4	1349.3
25°	1250.4	1256.3	1263.5	1268.0	1275.9	1281.7	1289.5	1297.9	1300.5	1305.8	1309.6
27.5°	1206.9	1210.2	1213.4	1217.4	1221.9	1225.1	1229.7	1233.6	1236.1	1238.7	1241.3
30°	1138.0	1138.0	1138.0	1135.5	1137.4	1139.4	1140.0	1139.4	1139.4	1138.7	1138.7
32.5°	1047.0	1041.9	1036.0	1030.8	1028.8	1026.2	1025.0	1023.0	1019.8	1017.8	1018.5
35°	924.2	912.5	905.4	898.9	893.7	889.8	887.8	885.8	885.3	882.7	880.0
37.5°	770.8	762.4	757.2	753.3	748.7	744.9	745.4	746.1	748.1	746.8	747.4
40°	608.3	606.4	608.3	603.8	602.4	603.8	607.1	611.7	614.2	616.8	621.3
42.5°	462.7	466.0	470.6	470.6	472.5	475.1	479.0	486.1	490.0	494.6	499.8
45°	348.4	352.2	358.1	360.1	361.3	364.6	369.2	375.0	377.6	381.5	386.1
47.5°	268.4	271.0	274.3	277.5	280.8	282.0	286.7	286.7	289.9	292.5	293.7
50°	209.2	211.8	214.4	216.4	217.7	219.7	221.0	223.0	223.5	224.9	225.6
52.5°	163.8	167.1	167.1	168.3	170.3	172.2	171.6	172.2	172.9	172.9	174.8
55°	128.0	128.0	129.9	129.9	131.3	130.6	131.3	131.3	131.3	131.3	132.0
57.5°	95.5	96.2	98.1	96.9	96.2	97.5	96.2	97.5	96.9	98.1	96.2
60°	73.5	73.5	74.1	74.1	74.7	74.7	74.7	74.1	74.1	73.5	73.5
62.5°	55.2	55.9	56.6	55.9	55.9	55.9	55.2	55.2	54.6	53.9	53.9
65°	37.0	36.4	37.7	36.4	37.0	37.0	36.4	37.0	35.1	35.8	35.1
67.5°	26.7	26.0	25.3	26.0	25.3	24.6	24.6	25.3	26.0	24.1	24.1
70°	17.6	18.2	17.6	18.2	18.9	18.9	18.2	17.6	18.2	16.9	17.6
72.5°	11.0	11.0	11.0	11.0	11.0	11.7	11.7	11.7	10.5	10.5	9.8
75°	5.2	7.1	5.9	5.2	7.1	7.1	6.5	6.5	5.9	5.9	5.9
77.5°	5.2	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.3	3.9	3.3
80°	2.6	2.6	2.6	1.9	2.6	2.6	3.3	2.6	2.6	1.9	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: P245877

CATALOG NUMBER: LSR8B30D010 EC8B30927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1
2.5°	1346.1	1345.4	1346.1	1346.6	1346.1	1345.4	1346.1	1346.6	1344.0	1343.5	1344.7
5°	1374.6	1374.6	1375.9	1376.6	1375.9	1374.6	1374.6	1372.0	1370.1	1368.1	1367.4
7.5°	1399.3	1400.6	1401.9	1402.5	1401.9	1400.6	1399.3	1395.4	1391.5	1388.2	1385.7
10°	1414.2	1416.3	1418.9	1420.1	1418.9	1416.3	1414.2	1409.7	1404.6	1399.3	1395.4
12.5°	1420.8	1422.8	1425.9	1425.4	1425.9	1422.8	1420.8	1414.2	1408.4	1401.3	1395.4
15°	1416.3	1418.9	1422.1	1423.4	1422.1	1418.9	1416.3	1409.7	1404.6	1396.7	1390.8
17.5°	1401.9	1405.8	1407.8	1409.7	1407.8	1405.8	1401.9	1396.7	1389.6	1383.1	1377.2
20°	1382.4	1385.0	1387.7	1388.2	1387.7	1385.0	1382.4	1376.6	1365.5	1364.2	1359.7
22.5°	1354.5	1356.4	1362.3	1360.4	1362.3	1356.4	1354.5	1349.3	1345.4	1338.2	1333.7
25°	1314.2	1316.1	1316.8	1317.5	1316.8	1316.1	1314.2	1309.6	1305.8	1300.5	1297.9
27.5°	1244.6	1244.6	1245.9	1246.6	1245.9	1244.6	1244.6	1241.3	1238.7	1236.1	1233.6
30°	1139.4	1139.4	1139.4	1142.7	1139.4	1139.4	1139.4	1138.7	1138.7	1139.4	1139.4
32.5°	1017.8	1016.6	1015.2	1016.6	1015.2	1016.6	1017.8	1018.5	1017.8	1019.8	1023.0
35°	880.0	879.4	881.3	878.7	881.3	879.4	880.0	880.0	882.7	885.3	885.8
37.5°	748.1	746.8	749.4	746.8	749.4	746.8	748.1	747.4	746.8	748.1	746.1
40°	622.7	623.9	623.9	629.2	623.9	623.9	622.7	621.3	616.8	614.2	611.7
42.5°	502.4	506.4	505.0	509.0	505.0	506.4	502.4	499.8	494.6	490.0	486.1
45°	388.7	391.3	391.3	392.5	391.3	391.3	388.7	386.1	381.5	377.6	375.0
47.5°	298.3	298.3	298.3	299.0	298.3	298.3	298.3	293.7	292.5	289.9	286.7
50°	226.8	227.5	228.2	228.8	228.2	227.5	226.8	225.6	224.9	223.5	223.0
52.5°	174.2	174.8	173.6	174.8	173.6	174.8	174.2	174.8	172.9	172.9	172.2
55°	132.0	131.3	132.0	132.6	132.0	131.3	132.0	132.0	131.3	131.3	131.3
57.5°	96.9	95.5	95.5	95.5	95.5	95.5	96.9	96.2	98.1	96.9	97.5
60°	72.1	72.8	72.8	73.5	72.8	72.8	72.1	73.5	73.5	74.1	74.1
62.5°	53.3	55.2	53.9	55.2	53.9	55.2	53.3	53.9	53.9	54.6	55.2
65°	34.4	34.4	34.4	35.1	34.4	34.4	34.4	35.1	35.8	35.1	37.0
67.5°	23.4	24.1	25.3	24.6	25.3	24.1	23.4	24.1	24.1	26.0	25.3
70°	18.9	16.9	16.9	18.9	16.9	16.9	18.9	17.6	16.9	18.2	17.6
72.5°	11.0	9.8	11.0	11.0	11.0	9.8	11.0	9.8	10.5	10.5	11.7
75°	5.9	5.2	4.5	6.5	4.5	5.2	5.9	5.9	5.9	5.9	6.5
77.5°	3.9	3.3	4.5	4.5	4.5	3.3	3.9	3.3	3.9	3.3	3.9
80°	1.9	2.6	1.9	3.3	1.9	2.6	1.9	3.3	1.9	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: P245877

CATALOG NUMBER: LSR8B30D010 EC8B30927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1
2.5°	1344.7	1342.8	1343.5	1339.5	1339.5	1338.2	1338.9	1335.6	1334.4	1333.0	1335.0
5°	1364.2	1361.0	1358.3	1352.6	1349.3	1345.4	1343.5	1338.2	1333.7	1329.8	1329.1
7.5°	1379.8	1372.7	1368.1	1360.4	1354.5	1349.9	1343.5	1336.3	1330.4	1325.2	1321.3
10°	1386.3	1379.1	1372.0	1362.3	1355.7	1347.3	1340.8	1331.8	1323.9	1316.8	1312.2
12.5°	1387.0	1377.9	1371.4	1360.4	1351.9	1342.8	1335.6	1325.2	1316.1	1308.9	1301.9
15°	1381.2	1372.7	1364.9	1353.1	1344.7	1336.3	1327.8	1316.8	1308.4	1299.9	1294.6
17.5°	1368.1	1360.4	1351.2	1340.2	1332.3	1324.6	1315.5	1306.4	1296.7	1287.6	1281.0
20°	1351.2	1342.8	1335.0	1323.9	1317.5	1308.9	1300.5	1290.8	1283.0	1273.8	1266.8
22.5°	1325.9	1318.0	1311.0	1304.4	1294.0	1287.6	1281.7	1270.7	1262.8	1254.4	1246.6
25°	1289.5	1281.7	1275.9	1268.0	1263.5	1256.3	1250.4	1240.8	1233.6	1225.8	1219.3
27.5°	1229.7	1225.1	1221.9	1217.4	1213.4	1210.2	1206.9	1199.1	1194.0	1186.8	1180.4
30°	1140.0	1139.4	1137.4	1135.5	1138.0	1138.0	1138.0	1136.7	1132.2	1127.0	1122.4
32.5°	1025.0	1026.2	1028.8	1030.8	1036.0	1041.9	1047.0	1049.6	1049.6	1046.4	1044.4
35°	887.8	889.8	893.7	898.9	905.4	912.5	924.2	926.8	928.8	928.8	926.2
37.5°	745.4	744.9	748.7	753.3	757.2	762.4	770.8	772.8	776.0	774.8	772.1
40°	607.1	603.8	602.4	603.8	608.3	606.4	608.3	607.1	607.1	602.4	602.4
42.5°	479.0	475.1	472.5	470.6	470.6	466.0	462.7	459.6	457.5	454.3	453.7
45°	369.2	364.6	361.3	360.1	358.1	352.2	348.4	344.5	339.9	338.6	339.3
47.5°	286.7	282.0	280.8	277.5	274.3	271.0	268.4	263.9	263.2	260.7	263.2
50°	221.0	219.7	217.7	216.4	214.4	211.8	209.2	206.7	205.4	205.4	206.0
52.5°	171.6	172.2	170.3	168.3	167.1	167.1	163.8	163.1	163.1	160.5	163.1
55°	131.3	130.6	131.3	129.9	129.9	128.0	128.0	126.1	126.1	124.1	125.4
57.5°	96.2	97.5	96.2	96.9	98.1	96.2	95.5	93.6	94.8	93.6	94.3
60°	74.7	74.7	74.7	74.1	74.1	73.5	73.5	72.8	72.8	71.4	72.8
62.5°	55.2	55.9	55.9	55.9	56.6	55.9	55.2	55.9	55.2	55.2	55.9
65°	36.4	37.0	37.0	36.4	37.7	36.4	37.0	37.7	38.4	37.7	38.4
67.5°	24.6	24.6	25.3	26.0	25.3	26.0	26.7	26.0	26.7	27.9	26.7
70°	18.2	18.9	18.9	18.2	17.6	18.2	17.6	19.5	19.5	19.5	20.8
72.5°	11.7	11.7	11.0	11.0	11.0	11.0	11.0	13.0	11.7	11.0	12.4
75°	6.5	7.1	7.1	5.2	5.9	7.1	5.2	5.9	7.8	6.5	7.8
77.5°	3.9	3.9	3.9	3.9	3.9	3.9	5.2	4.5	4.5	4.5	5.2
80°	3.3	2.6	2.6	1.9	2.6	2.6	2.6	3.9	3.3	3.3	3.9
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: P245877

CATALOG NUMBER: LSR8B30D010 EC8B30927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1
2.5°	1329.8	1329.8	1329.1	1327.8	1325.2	1325.2	1324.6	1322.7	1321.3	1320.6	1320.6
5°	1323.2	1320.6	1318.0	1311.0	1311.0	1309.6	1305.8	1303.1	1301.9	1298.6	1297.2
7.5°	1317.5	1309.6	1305.1	1300.5	1294.6	1292.1	1287.6	1285.5	1281.0	1277.8	1275.9
10°	1303.1	1297.9	1292.1	1285.0	1280.4	1275.2	1270.0	1266.1	1260.2	1257.0	1254.4
12.5°	1293.4	1285.5	1280.4	1272.6	1264.8	1260.2	1253.1	1248.5	1242.7	1236.1	1232.3
15°	1284.3	1275.9	1268.7	1260.2	1251.8	1246.6	1238.2	1233.0	1224.4	1218.0	1213.4
17.5°	1270.7	1263.5	1255.7	1245.3	1237.5	1231.0	1221.9	1215.4	1207.6	1199.1	1194.6
20°	1256.3	1247.9	1240.1	1229.7	1221.9	1214.1	1205.0	1197.9	1188.7	1180.9	1175.7
22.5°	1237.5	1227.7	1221.2	1210.8	1201.7	1193.3	1184.9	1176.4	1168.0	1161.4	1155.6
25°	1210.2	1199.8	1192.6	1184.2	1175.7	1169.2	1158.9	1153.7	1145.2	1139.4	1133.4
27.5°	1171.1	1163.4	1157.0	1148.4	1141.3	1136.1	1128.3	1123.1	1115.9	1110.7	1106.2
30°	1114.0	1107.6	1101.6	1093.2	1088.0	1083.5	1076.3	1071.8	1066.5	1060.6	1059.4
32.5°	1037.4	1032.1	1026.2	1020.4	1016.6	1013.8	1008.0	1005.4	1000.2	997.0	993.7
35°	921.6	917.1	913.8	911.2	909.9	910.6	909.2	911.9	913.2	912.5	913.2
37.5°	770.2	767.6	768.9	770.8	777.4	785.8	793.6	805.3	813.0	820.9	828.0
40°	601.2	603.1	608.3	620.0	637.0	655.8	673.3	695.5	717.5	733.2	747.4
42.5°	453.7	459.6	472.5	489.4	514.8	542.7	570.0	602.4	629.2	655.1	673.3
45°	341.2	349.0	366.0	389.4	417.3	449.8	484.2	520.6	552.5	579.2	599.3
47.5°	265.8	272.9	289.9	314.6	349.0	382.8	418.6	456.3	489.4	515.4	532.9
50°	209.9	219.0	234.0	260.0	294.4	330.2	367.2	404.2	435.5	457.5	473.2
52.5°	165.0	173.6	187.9	215.1	250.2	286.0	320.4	356.8	384.1	405.6	416.0
55°	128.0	135.9	150.8	173.6	206.7	241.8	276.2	307.5	332.8	348.4	358.1
57.5°	97.5	103.4	113.7	136.5	166.4	198.9	228.2	259.3	278.9	289.9	296.3
60°	74.1	78.6	89.7	107.2	134.5	162.5	187.2	210.6	226.2	235.2	241.8
62.5°	55.9	61.1	68.9	83.8	104.6	127.4	148.2	165.7	178.8	184.6	189.1
65°	38.4	42.2	48.2	59.7	77.3	93.6	109.8	122.8	131.3	137.8	140.4
67.5°	28.6	31.2	34.4	43.5	55.9	68.9	80.0	89.0	98.1	100.8	105.3
70°	21.5	23.4	26.7	33.2	40.3	49.4	58.5	63.7	70.2	74.7	76.0
72.5°	13.6	14.3	17.6	21.5	27.3	33.2	39.0	43.5	47.5	50.1	51.3
75°	7.8	11.7	11.7	15.6	19.5	22.0	26.0	29.2	31.2	33.2	33.2
77.5°	5.2	7.1	7.8	9.8	11.7	15.0	18.2	20.1	22.0	22.7	22.7
80°	4.5	5.2	5.2	7.1	8.4	11.0	13.0	13.6	15.0	15.6	16.9
82.5°	1.9	2.6	3.3	5.2	5.9	5.9	7.8	8.4	9.8	10.5	10.5
85°	0.7	1.3	1.3	1.9	3.3	3.9	4.5	5.2	5.9	5.9	6.5
87.5°	0.7	0.7	0.0	0.7	1.3	1.3	2.6	2.6	2.6	3.9	3.9
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: P245877

CATALOG NUMBER: LSR8B30D010 EC8B30927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1
2.5°	1319.4	1320.1	1317.5	1316.8	1315.5	1316.1	1317.5
5°	1295.3	1296.0	1293.4	1290.8	1290.8	1290.1	1290.8
7.5°	1272.6	1273.3	1269.3	1268.0	1265.4	1266.1	1266.1
10°	1249.9	1249.9	1244.0	1243.4	1241.3	1240.8	1240.8
12.5°	1227.7	1225.8	1221.2	1218.6	1220.0	1216.0	1216.0
15°	1208.2	1205.0	1199.1	1197.2	1194.0	1192.6	1192.6
17.5°	1188.1	1185.5	1180.4	1176.4	1172.5	1171.8	1172.5
20°	1168.5	1166.0	1159.5	1157.0	1153.7	1153.7	1152.3
22.5°	1149.1	1146.5	1140.6	1138.7	1134.1	1134.1	1134.8
25°	1128.9	1127.0	1120.5	1119.1	1118.6	1115.9	1117.2
27.5°	1101.6	1100.4	1095.2	1093.2	1090.6	1090.0	1091.2
30°	1051.6	1049.6	1045.8	1043.8	1039.3	1040.0	1041.2
32.5°	989.2	986.6	981.4	979.4	975.6	974.2	974.9
35°	911.2	909.2	904.7	904.7	900.8	899.6	900.8
37.5°	831.9	833.8	831.9	833.8	831.9	831.3	831.9
40°	757.2	764.3	765.7	772.8	770.2	774.1	773.4
42.5°	685.7	697.4	702.0	707.7	706.5	709.1	711.0
45°	613.6	623.2	627.9	631.8	632.4	633.7	634.4
47.5°	545.3	553.1	553.7	558.3	557.7	557.7	559.6
50°	481.6	486.8	488.1	491.4	488.8	487.5	488.1
52.5°	422.4	427.6	426.4	427.6	424.5	423.1	423.8
55°	362.0	364.6	364.6	364.6	360.7	360.7	360.7
57.5°	300.3	300.9	299.6	300.3	299.6	295.8	295.1
60°	243.8	243.8	243.1	243.8	241.8	239.8	239.8
62.5°	190.5	191.7	194.3	191.7	190.5	191.7	189.8
65°	142.3	144.9	144.2	145.6	144.9	144.9	143.7
67.5°	107.2	107.9	108.6	109.2	109.2	109.2	109.2
70°	78.6	80.6	80.0	80.0	80.0	80.0	83.8
72.5°	52.6	55.2	54.6	55.9	55.9	57.2	55.9
75°	35.8	38.4	37.0	39.0	38.4	37.0	40.3
77.5°	24.1	25.3	26.0	26.7	26.0	25.3	26.0
80°	16.9	18.2	17.6	18.2	18.2	18.2	18.9
82.5°	10.5	12.4	11.7	12.4	11.7	12.4	12.4
85°	7.1	7.8	6.5	7.8	7.1	7.1	8.4
87.5°	4.5	3.9	3.9	4.5	3.9	4.5	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)