

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: P245895

Luminaire Tested: **LSR8B30D010 EC8B30830 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245895
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 EC8B30830 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2273.0 lumens
Efficiency: N/A
Efficacy: 83.9 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

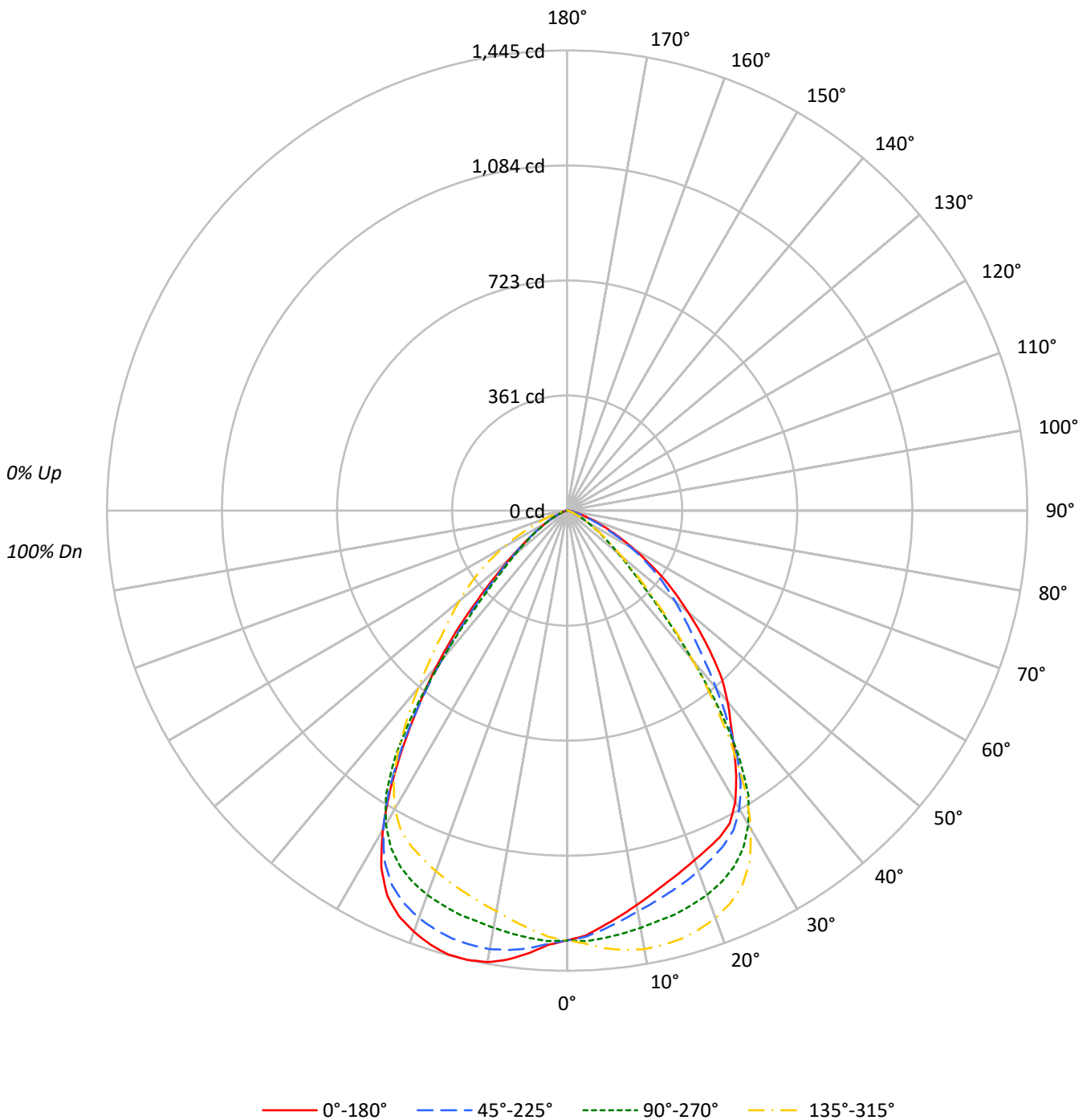
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	41611	41611	41611	41611
5°	40507	41708	43196	41708
10°	39384	41654	45080	41654
15°	38599	41900	46066	41900
20°	38335	42141	46184	42141
25°	38536	42057	45443	42057
30°	37583	40517	41243	40517
35°	34377	35344	33533	35344
40°	31563	24587	25674	24587
45°	28045	14997	17356	14997
50°	23737	10022	11125	10022
55°	19661	6838	7226	6838
60°	14993	4551	4588	4551
65°	10624	2838	2598	2838
70°	7664	1902	1722	1902
75°	4861	941	786	941
80°	3392	710	586	710
85°	3043	0	248	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.4	5.7
10°-20°	371.9	16.4
20°-30°	563.2	24.8
30°-40°	564.4	24.8
40°-50°	354.4	15.6
50°-60°	188.9	8.3
60°-70°	77.7	3.4
70°-80°	20.5	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°	1063.6	46.8
0°-40°	1628.0	71.6
0°-60°	2171.3	95.5
0°-90°	2273.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2273.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1349	1349	1349	1349	1349	
5°	1309	1347	1396	1347	1309	123
15°	1209	1312	1443	1312	1209	342
25°	1133	1236	1336	1236	1133	519
35°	913	939	891	939	913	572
45°	643	344	398	344	643	495
55°	366	127	134	127	366	326
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°	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4
2.5°	1335.6	1334.2	1333.6	1334.9	1335.6	1338.2	1337.6	1338.9	1338.9	1339.5	1340.8
5°	1308.6	1307.9	1308.6	1308.6	1311.2	1313.8	1313.2	1315.2	1316.5	1319.8	1321.1
7.5°	1283.5	1283.5	1282.9	1285.5	1286.8	1290.8	1290.1	1293.4	1295.4	1298.7	1303.3
10°	1257.8	1257.8	1258.5	1260.5	1261.1	1267.0	1267.0	1271.7	1274.3	1277.6	1283.5
12.5°	1232.8	1232.8	1236.7	1235.4	1238.1	1242.7	1244.6	1249.3	1253.2	1259.8	1265.7
15°	1209.1	1209.1	1210.4	1213.7	1215.6	1221.6	1224.9	1230.2	1234.8	1241.4	1249.9
17.5°	1188.6	1188.0	1188.6	1192.6	1196.6	1201.8	1204.4	1211.0	1215.6	1224.2	1232.1
20°	1168.2	1169.5	1169.5	1172.8	1175.5	1182.0	1184.7	1191.9	1197.2	1205.1	1214.3
22.5°	1150.4	1149.8	1149.8	1154.4	1156.4	1162.3	1164.9	1171.5	1177.4	1184.0	1192.6
25°	1132.6	1131.3	1134.0	1134.6	1135.9	1142.5	1144.5	1149.1	1155.0	1161.0	1169.5
27.5°	1106.3	1105.0	1105.6	1108.3	1110.2	1115.5	1116.8	1121.4	1126.0	1131.3	1138.6
30°	1055.5	1054.2	1053.6	1058.2	1060.2	1064.1	1066.1	1074.0	1075.3	1081.2	1086.5
32.5°	988.3	987.7	989.0	992.9	994.9	1000.2	1002.8	1007.4	1010.7	1014.0	1019.3
35°	913.2	911.9	913.2	917.2	917.2	921.8	923.8	925.7	925.1	925.7	924.4
37.5°	843.4	842.7	843.4	845.3	843.4	845.3	843.4	839.4	832.2	824.3	816.4
40°	784.1	784.7	780.8	783.4	776.2	774.9	767.6	757.7	743.2	727.4	705.0
42.5°	720.8	718.9	716.2	717.5	711.6	707.0	695.1	682.6	664.2	637.8	610.8
45°	643.1	642.4	641.1	640.5	636.5	631.9	622.0	607.5	587.1	560.1	527.8
47.5°	567.3	565.3	565.3	566.0	561.4	560.7	552.8	540.3	522.5	496.1	462.5
50°	494.8	494.2	495.5	498.1	494.8	493.5	488.3	479.7	463.9	441.5	409.8
52.5°	429.6	428.9	430.3	433.5	432.2	433.5	428.3	421.7	411.1	389.4	361.7
55°	365.7	365.7	365.7	369.6	369.6	369.6	367.0	363.1	353.2	337.4	311.7
57.5°	299.1	299.8	303.7	304.4	303.7	305.1	304.4	300.4	293.9	282.7	262.9
60°	243.1	243.1	245.1	247.1	246.4	247.1	247.1	245.1	238.5	229.3	213.5
62.5°	192.4	194.4	193.0	194.4	197.0	194.4	193.0	191.7	187.1	181.2	168.0
65°	145.6	146.9	146.9	147.6	146.3	146.9	144.3	142.3	139.7	133.1	124.5
67.5°	110.7	110.7	110.7	110.7	110.0	109.4	108.7	106.7	102.1	99.5	90.3
70°	85.0	81.0	81.0	81.0	81.0	81.7	79.7	77.1	75.8	71.2	64.6
72.5°	56.7	58.0	56.7	56.7	55.4	56.0	53.4	52.0	50.7	48.1	44.2
75°	40.8	37.6	38.9	39.5	37.6	38.9	36.2	33.6	33.6	31.6	29.6
77.5°	26.4	25.7	26.4	27.0	26.4	25.7	24.4	23.1	23.1	22.4	20.4
80°	19.1	18.4	18.4	18.4	17.8	18.4	17.1	17.1	15.8	15.2	13.8
82.5°	12.5	12.5	11.9	12.5	11.9	12.5	10.5	10.5	10.5	9.9	8.6
85°	8.6	7.2	7.2	7.9	6.6	7.9	7.2	6.6	5.9	5.9	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°	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4
2.5°	1342.8	1343.5	1343.5	1346.1	1347.4	1348.1	1348.1	1353.4	1351.4	1352.7	1354.0
5°	1323.7	1327.7	1329.0	1329.0	1336.2	1338.9	1341.5	1347.4	1348.1	1352.0	1356.6
7.5°	1305.3	1309.9	1312.5	1318.4	1323.0	1327.7	1335.6	1339.5	1343.5	1348.8	1354.7
10°	1287.5	1292.8	1298.0	1302.6	1309.9	1315.8	1321.1	1330.3	1334.9	1342.2	1350.1
12.5°	1270.4	1277.6	1282.2	1290.1	1298.0	1303.3	1311.2	1319.8	1327.0	1334.2	1343.5
15°	1255.2	1263.8	1269.0	1277.6	1286.2	1293.4	1302.0	1312.5	1317.8	1326.4	1334.9
17.5°	1238.7	1248.0	1254.5	1262.4	1273.0	1280.9	1288.1	1298.7	1305.3	1314.5	1324.4
20°	1221.6	1230.8	1238.7	1246.6	1257.2	1265.1	1273.6	1284.2	1291.4	1300.6	1308.6
22.5°	1201.2	1209.7	1218.3	1227.5	1238.1	1244.6	1254.5	1263.8	1271.7	1280.2	1288.1
25°	1174.8	1185.4	1191.9	1200.5	1209.1	1216.3	1226.9	1236.1	1242.7	1250.6	1257.8
27.5°	1143.8	1151.8	1157.0	1164.3	1172.8	1179.4	1187.3	1196.6	1203.1	1210.4	1215.6
30°	1091.1	1098.4	1103.0	1108.3	1116.8	1122.8	1129.4	1137.9	1142.5	1147.8	1152.4
32.5°	1021.9	1027.9	1030.5	1034.5	1040.4	1046.3	1051.6	1058.8	1060.8	1064.1	1064.1
35°	921.8	923.1	922.4	923.8	926.4	929.7	934.3	938.9	941.5	941.5	939.6
37.5°	804.5	796.6	788.0	781.5	779.5	778.1	780.8	782.8	785.4	786.7	783.4
40°	682.6	664.8	645.7	628.6	616.7	611.5	609.5	610.8	610.8	615.4	615.4
42.5°	577.9	550.2	521.9	496.1	479.0	465.8	459.9	459.9	460.6	463.9	465.8
45°	490.9	456.0	423.0	394.7	371.0	353.8	345.9	343.9	343.3	344.6	349.2
47.5°	424.3	388.1	353.8	318.9	293.9	276.7	269.5	266.8	264.2	266.8	267.5
50°	372.3	334.7	298.5	263.6	237.2	222.0	212.8	208.9	208.2	208.2	209.5
52.5°	324.8	289.9	253.7	218.1	190.4	175.9	167.4	165.4	162.8	165.4	165.4
55°	280.0	245.1	209.5	175.9	152.9	137.7	129.8	127.2	125.8	127.8	127.8
57.5°	231.3	201.6	168.7	138.4	115.3	104.8	98.8	95.5	94.9	96.2	94.9
60°	189.8	164.7	136.4	108.7	90.9	79.7	75.1	73.8	72.5	73.8	73.8
62.5°	150.2	129.1	106.1	85.0	69.8	61.9	56.7	56.7	56.0	56.0	56.7
65°	111.4	94.9	78.4	60.6	48.8	42.8	38.9	38.9	38.2	38.9	38.2
67.5°	81.0	69.8	56.7	44.2	34.9	31.6	29.0	27.0	28.3	27.0	26.4
70°	59.3	50.1	40.8	33.6	27.0	23.7	21.8	21.1	19.8	19.8	19.8
72.5°	39.5	33.6	27.7	21.8	17.8	14.5	13.8	12.5	11.2	11.9	13.2
75°	26.4	22.4	19.8	15.8	11.9	11.9	7.9	7.9	6.6	7.9	5.9
77.5°	18.4	15.2	11.9	9.9	7.9	7.2	5.3	5.3	4.6	4.6	4.6
80°	13.2	11.2	8.6	7.2	5.3	5.3	4.6	4.0	3.3	3.3	4.0
82.5°	7.9	5.9	5.9	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°	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4
2.5°	1357.3	1356.6	1358.0	1358.0	1361.9	1361.3	1363.2	1363.2	1361.9	1362.6	1365.2
5°	1361.9	1363.9	1367.9	1371.2	1377.1	1379.7	1383.0	1386.3	1387.0	1388.9	1390.9
7.5°	1361.9	1368.5	1373.1	1379.1	1387.0	1391.6	1398.8	1404.8	1407.4	1410.7	1414.6
10°	1359.3	1365.9	1374.4	1381.0	1390.9	1398.2	1405.4	1414.6	1418.6	1423.9	1429.1
12.5°	1354.0	1361.3	1370.5	1379.1	1390.3	1396.8	1406.1	1414.6	1420.6	1427.8	1433.8
15°	1346.1	1354.7	1363.2	1371.8	1383.7	1391.6	1400.2	1410.0	1416.0	1423.9	1429.1
17.5°	1333.6	1342.8	1350.7	1358.6	1369.8	1379.1	1387.0	1396.2	1402.1	1408.7	1416.0
20°	1318.4	1327.0	1335.6	1342.2	1353.4	1361.3	1369.8	1378.4	1383.0	1384.3	1395.5
22.5°	1299.3	1305.3	1311.8	1322.4	1329.0	1336.2	1344.1	1352.0	1356.6	1363.9	1367.9
25°	1267.7	1273.6	1280.9	1285.5	1293.4	1299.3	1307.2	1315.8	1318.4	1323.7	1327.7
27.5°	1223.6	1226.9	1230.2	1234.1	1238.7	1242.0	1246.6	1250.6	1253.2	1255.8	1258.5
30°	1153.7	1153.7	1153.7	1151.1	1153.1	1155.0	1155.7	1155.0	1155.0	1154.4	1154.4
32.5°	1061.5	1056.2	1050.3	1045.0	1043.0	1040.4	1039.1	1037.1	1033.8	1031.8	1032.5
35°	936.9	925.1	917.8	911.2	906.0	902.0	900.0	898.1	897.4	894.8	892.1
37.5°	781.5	772.9	767.6	763.7	759.0	755.1	755.7	756.4	758.4	757.1	757.7
40°	616.7	614.7	616.7	612.1	610.8	612.1	615.4	620.0	622.7	625.3	629.9
42.5°	469.1	472.4	477.0	477.0	479.0	481.7	485.6	492.9	496.8	501.4	506.7
45°	353.2	357.1	363.1	365.0	366.3	369.6	374.3	380.2	382.8	386.8	391.4
47.5°	272.1	274.8	278.0	281.3	284.6	286.0	290.6	290.6	293.9	296.5	297.8
50°	212.2	214.8	217.4	219.4	220.7	222.7	224.0	226.0	226.6	228.0	228.6
52.5°	166.0	169.3	169.3	170.6	172.6	174.6	174.0	174.6	175.3	175.3	177.2
55°	129.8	129.8	131.8	131.8	133.1	132.4	133.1	133.1	133.1	133.1	133.8
57.5°	96.8	97.5	99.5	98.2	97.5	98.8	97.5	98.8	98.2	99.5	97.5
60°	74.4	74.4	75.1	75.1	75.8	75.8	75.8	75.1	75.1	74.4	74.4
62.5°	56.0	56.7	57.3	56.7	56.7	56.7	56.0	56.0	55.4	54.7	54.7
65°	37.6	36.9	38.2	36.9	37.6	37.6	36.9	37.6	35.6	36.2	35.6
67.5°	27.0	26.4	25.7	26.4	25.7	25.0	25.0	25.7	26.4	24.4	24.4
70°	17.8	18.4	17.8	18.4	19.1	19.1	18.4	17.8	18.4	17.1	17.8
72.5°	11.2	11.2	11.2	11.2	11.2	11.9	11.9	11.9	10.5	10.5	9.9
75°	5.3	7.2	5.9	5.3	7.2	7.2	6.6	6.6	5.9	5.9	5.9
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: P245895

CATALOG NUMBER: LSR8B30D010 EC8B30830 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4
2.5°	1364.6	1363.9	1364.6	1365.2	1364.6	1363.9	1364.6	1365.2	1362.6	1361.9	1363.2
5°	1393.6	1393.6	1394.9	1395.5	1394.9	1393.6	1393.6	1390.9	1388.9	1387.0	1386.3
7.5°	1418.6	1419.9	1421.2	1421.9	1421.2	1419.9	1418.6	1414.6	1410.7	1407.4	1404.8
10°	1433.8	1435.7	1438.4	1439.7	1438.4	1435.7	1433.8	1429.1	1423.9	1418.6	1414.6
12.5°	1440.3	1442.3	1445.6	1445.0	1445.6	1442.3	1440.3	1433.8	1427.8	1420.6	1414.6
15°	1435.7	1438.4	1441.6	1443.0	1441.6	1438.4	1435.7	1429.1	1423.9	1416.0	1410.0
17.5°	1421.2	1425.2	1427.2	1429.1	1427.2	1425.2	1421.2	1416.0	1408.7	1402.1	1396.2
20°	1401.5	1404.1	1406.7	1407.4	1406.7	1404.1	1401.5	1395.5	1384.3	1383.0	1378.4
22.5°	1373.1	1375.1	1381.0	1379.1	1381.0	1375.1	1373.1	1367.9	1363.9	1356.6	1352.0
25°	1332.3	1334.2	1334.9	1335.6	1334.9	1334.2	1332.3	1327.7	1323.7	1318.4	1315.8
27.5°	1261.8	1261.8	1263.1	1263.8	1263.1	1261.8	1261.8	1258.5	1255.8	1253.2	1250.6
30°	1155.0	1155.0	1155.0	1158.3	1155.0	1155.0	1155.0	1154.4	1154.4	1155.0	1155.0
32.5°	1031.8	1030.5	1029.2	1030.5	1029.2	1030.5	1031.8	1032.5	1031.8	1033.8	1037.1
35°	892.1	891.5	893.5	890.8	893.5	891.5	892.1	892.1	894.8	897.4	898.1
37.5°	758.4	757.1	759.7	757.1	759.7	757.1	758.4	757.7	757.1	758.4	756.4
40°	631.2	632.5	632.5	637.8	632.5	632.5	631.2	629.9	625.3	622.7	620.0
42.5°	509.3	513.3	512.0	515.9	512.0	513.3	509.3	506.7	501.4	496.8	492.9
45°	394.0	396.7	396.7	398.0	396.7	396.7	394.0	391.4	386.8	382.8	380.2
47.5°	302.4	302.4	302.4	303.1	302.4	302.4	302.4	297.8	296.5	293.9	290.6
50°	230.0	230.6	231.3	231.9	231.3	230.6	230.0	228.6	228.0	226.6	226.0
52.5°	176.6	177.2	175.9	177.2	175.9	177.2	176.6	177.2	175.3	175.3	174.6
55°	133.8	133.1	133.8	134.4	133.8	133.1	133.8	133.8	133.1	133.1	133.1
57.5°	98.2	96.8	96.8	96.8	96.8	96.8	98.2	97.5	99.5	98.2	98.8
60°	73.1	73.8	73.8	74.4	73.8	73.8	73.1	74.4	74.4	75.1	75.1
62.5°	54.0	56.0	54.7	56.0	54.7	56.0	54.0	54.7	54.7	55.4	56.0
65°	34.9	34.9	34.9	35.6	34.9	34.9	34.9	35.6	36.2	35.6	37.6
67.5°	23.7	24.4	25.7	25.0	25.7	24.4	23.7	24.4	24.4	26.4	25.7
70°	19.1	17.1	17.1	19.1	17.1	17.1	19.1	17.8	17.1	18.4	17.8
72.5°	11.2	9.9	11.2	11.2	11.2	9.9	11.2	9.9	10.5	10.5	11.9
75°	5.9	5.3	4.6	6.6	4.6	5.3	5.9	5.9	5.9	5.9	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: P245895

CATALOG NUMBER: LSR8B30D010 EC8B30830 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4
2.5°	1363.2	1361.3	1361.9	1358.0	1358.0	1356.6	1357.3	1354.0	1352.7	1351.4	1353.4
5°	1383.0	1379.7	1377.1	1371.2	1367.9	1363.9	1361.9	1356.6	1352.0	1348.1	1347.4
7.5°	1398.8	1391.6	1387.0	1379.1	1373.1	1368.5	1361.9	1354.7	1348.8	1343.5	1339.5
10°	1405.4	1398.2	1390.9	1381.0	1374.4	1365.9	1359.3	1350.1	1342.2	1334.9	1330.3
12.5°	1406.1	1396.8	1390.3	1379.1	1370.5	1361.3	1354.0	1343.5	1334.2	1327.0	1319.8
15°	1400.2	1391.6	1383.7	1371.8	1363.2	1354.7	1346.1	1334.9	1326.4	1317.8	1312.5
17.5°	1387.0	1379.1	1369.8	1358.6	1350.7	1342.8	1333.6	1324.4	1314.5	1305.3	1298.7
20°	1369.8	1361.3	1353.4	1342.2	1335.6	1327.0	1318.4	1308.6	1300.6	1291.4	1284.2
22.5°	1344.1	1336.2	1329.0	1322.4	1311.8	1305.3	1299.3	1288.1	1280.2	1271.7	1263.8
25°	1307.2	1299.3	1293.4	1285.5	1280.9	1273.6	1267.7	1257.8	1250.6	1242.7	1236.1
27.5°	1246.6	1242.0	1238.7	1234.1	1230.2	1226.9	1223.6	1215.6	1210.4	1203.1	1196.6
30°	1155.7	1155.0	1153.1	1151.1	1153.7	1153.7	1153.7	1152.4	1147.8	1142.5	1137.9
32.5°	1039.1	1040.4	1043.0	1045.0	1050.3	1056.2	1061.5	1064.1	1064.1	1060.8	1058.8
35°	900.0	902.0	906.0	911.2	917.8	925.1	936.9	939.6	941.5	941.5	938.9
37.5°	755.7	755.1	759.0	763.7	767.6	772.9	781.5	783.4	786.7	785.4	782.8
40°	615.4	612.1	610.8	612.1	616.7	614.7	616.7	615.4	615.4	610.8	610.8
42.5°	485.6	481.7	479.0	477.0	477.0	472.4	469.1	465.8	463.9	460.6	459.9
45°	374.3	369.6	366.3	365.0	363.1	357.1	353.2	349.2	344.6	343.3	343.9
47.5°	290.6	286.0	284.6	281.3	278.0	274.8	272.1	267.5	266.8	264.2	266.8
50°	224.0	222.7	220.7	219.4	217.4	214.8	212.2	209.5	208.2	208.2	208.9
52.5°	174.0	174.6	172.6	170.6	169.3	169.3	166.0	165.4	165.4	162.8	165.4
55°	133.1	132.4	133.1	131.8	131.8	129.8	129.8	127.8	127.8	125.8	127.2
57.5°	97.5	98.8	97.5	98.2	99.5	97.5	96.8	94.9	96.2	94.9	95.5
60°	75.8	75.8	75.8	75.1	75.1	74.4	74.4	73.8	73.8	72.5	73.8
62.5°	56.0	56.7	56.7	56.7	57.3	56.7	56.0	56.7	56.0	56.0	56.7
65°	36.9	37.6	37.6	36.9	38.2	36.9	37.6	38.2	38.9	38.2	38.9
67.5°	25.0	25.0	25.7	26.4	25.7	26.4	27.0	26.4	27.0	28.3	27.0
70°	18.4	19.1	19.1	18.4	17.8	18.4	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	12.5
75°	6.6	7.2	7.2	5.3	5.9	7.2	5.3	5.9	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: P245895

CATALOG NUMBER: LSR8B30D010 EC8B30830 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4
2.5°	1348.1	1348.1	1347.4	1346.1	1343.5	1343.5	1342.8	1340.8	1339.5	1338.9	1338.9
5°	1341.5	1338.9	1336.2	1329.0	1329.0	1327.7	1323.7	1321.1	1319.8	1316.5	1315.2
7.5°	1335.6	1327.7	1323.0	1318.4	1312.5	1309.9	1305.3	1303.3	1298.7	1295.4	1293.4
10°	1321.1	1315.8	1309.9	1302.6	1298.0	1292.8	1287.5	1283.5	1277.6	1274.3	1271.7
12.5°	1311.2	1303.3	1298.0	1290.1	1282.2	1277.6	1270.4	1265.7	1259.8	1253.2	1249.3
15°	1302.0	1293.4	1286.2	1277.6	1269.0	1263.8	1255.2	1249.9	1241.4	1234.8	1230.2
17.5°	1288.1	1280.9	1273.0	1262.4	1254.5	1248.0	1238.7	1232.1	1224.2	1215.6	1211.0
20°	1273.6	1265.1	1257.2	1246.6	1238.7	1230.8	1221.6	1214.3	1205.1	1197.2	1191.9
22.5°	1254.5	1244.6	1238.1	1227.5	1218.3	1209.7	1201.2	1192.6	1184.0	1177.4	1171.5
25°	1226.9	1216.3	1209.1	1200.5	1191.9	1185.4	1174.8	1169.5	1161.0	1155.0	1149.1
27.5°	1187.3	1179.4	1172.8	1164.3	1157.0	1151.8	1143.8	1138.6	1131.3	1126.0	1121.4
30°	1129.4	1122.8	1116.8	1108.3	1103.0	1098.4	1091.1	1086.5	1081.2	1075.3	1074.0
32.5°	1051.6	1046.3	1040.4	1034.5	1030.5	1027.9	1021.9	1019.3	1014.0	1010.7	1007.4
35°	934.3	929.7	926.4	923.8	922.4	923.1	921.8	924.4	925.7	925.1	925.7
37.5°	780.8	778.1	779.5	781.5	788.0	796.6	804.5	816.4	824.3	832.2	839.4
40°	609.5	611.5	616.7	628.6	645.7	664.8	682.6	705.0	727.4	743.2	757.7
42.5°	459.9	465.8	479.0	496.1	521.9	550.2	577.9	610.8	637.8	664.2	682.6
45°	345.9	353.8	371.0	394.7	423.0	456.0	490.9	527.8	560.1	587.1	607.5
47.5°	269.5	276.7	293.9	318.9	353.8	388.1	424.3	462.5	496.1	522.5	540.3
50°	212.8	222.0	237.2	263.6	298.5	334.7	372.3	409.8	441.5	463.9	479.7
52.5°	167.4	175.9	190.4	218.1	253.7	289.9	324.8	361.7	389.4	411.1	421.7
55°	129.8	137.7	152.9	175.9	209.5	245.1	280.0	311.7	337.4	353.2	363.1
57.5°	98.8	104.8	115.3	138.4	168.7	201.6	231.3	262.9	282.7	293.9	300.4
60°	75.1	79.7	90.9	108.7	136.4	164.7	189.8	213.5	229.3	238.5	245.1
62.5°	56.7	61.9	69.8	85.0	106.1	129.1	150.2	168.0	181.2	187.1	191.7
65°	38.9	42.8	48.8	60.6	78.4	94.9	111.4	124.5	133.1	139.7	142.3
67.5°	29.0	31.6	34.9	44.2	56.7	69.8	81.0	90.3	99.5	102.1	106.7
70°	21.8	23.7	27.0	33.6	40.8	50.1	59.3	64.6	71.2	75.8	77.1
72.5°	13.8	14.5	17.8	21.8	27.7	33.6	39.5	44.2	48.1	50.7	52.0
75°	7.9	11.9	11.9	15.8	19.8	22.4	26.4	29.6	31.6	33.6	33.6
77.5°	5.3	7.2	7.9	9.9	11.9	15.2	18.4	20.4	22.4	23.1	23.1
80°	4.6	5.3	5.3	7.2	8.6	11.2	13.2	13.8	15.2	15.8	17.1
82.5°	2.0	2.6	3.3	5.3	5.9	5.9	7.9	8.6	9.9	10.5	10.5
85°	0.7	1.3	1.3	2.0	3.3	4.0	4.6	5.3	5.9	5.9	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: P245895

CATALOG NUMBER: LSR8B30D010 EC8B30830 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4	1349.4
2.5°	1337.6	1338.2	1335.6	1334.9	1333.6	1334.2	1335.6
5°	1313.2	1313.8	1311.2	1308.6	1308.6	1307.9	1308.6
7.5°	1290.1	1290.8	1286.8	1285.5	1282.9	1283.5	1283.5
10°	1267.0	1267.0	1261.1	1260.5	1258.5	1257.8	1257.8
12.5°	1244.6	1242.7	1238.1	1235.4	1236.7	1232.8	1232.8
15°	1224.9	1221.6	1215.6	1213.7	1210.4	1209.1	1209.1
17.5°	1204.4	1201.8	1196.6	1192.6	1188.6	1188.0	1188.6
20°	1184.7	1182.0	1175.5	1172.8	1169.5	1169.5	1168.2
22.5°	1164.9	1162.3	1156.4	1154.4	1149.8	1149.8	1150.4
25°	1144.5	1142.5	1135.9	1134.6	1134.0	1131.3	1132.6
27.5°	1116.8	1115.5	1110.2	1108.3	1105.6	1105.0	1106.3
30°	1066.1	1064.1	1060.2	1058.2	1053.6	1054.2	1055.5
32.5°	1002.8	1000.2	994.9	992.9	989.0	987.7	988.3
35°	923.8	921.8	917.2	917.2	913.2	911.9	913.2
37.5°	843.4	845.3	843.4	845.3	843.4	842.7	843.4
40°	767.6	774.9	776.2	783.4	780.8	784.7	784.1
42.5°	695.1	707.0	711.6	717.5	716.2	718.9	720.8
45°	622.0	631.9	636.5	640.5	641.1	642.4	643.1
47.5°	552.8	560.7	561.4	566.0	565.3	565.3	567.3
50°	488.3	493.5	494.8	498.1	495.5	494.2	494.8
52.5°	428.3	433.5	432.2	433.5	430.3	428.9	429.6
55°	367.0	369.6	369.6	369.6	365.7	365.7	365.7
57.5°	304.4	305.1	303.7	304.4	303.7	299.8	299.1
60°	247.1	247.1	246.4	247.1	245.1	243.1	243.1
62.5°	193.0	194.4	197.0	194.4	193.0	194.4	192.4
65°	144.3	146.9	146.3	147.6	146.9	146.9	145.6
67.5°	108.7	109.4	110.0	110.7	110.7	110.7	110.7
70°	79.7	81.7	81.0	81.0	81.0	81.0	85.0
72.5°	53.4	56.0	55.4	56.7	56.7	58.0	56.7
75°	36.2	38.9	37.6	39.5	38.9	37.6	40.8
77.5°	24.4	25.7	26.4	27.0	26.4	25.7	26.4
80°	17.1	18.4	17.8	18.4	18.4	18.4	19.1
82.5°	10.5	12.5	11.9	12.5	11.9	12.5	12.5
85°	7.2	7.9	6.6	7.9	7.2	7.2	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)