

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: P244581

Luminaire Tested: **LD8B30D010 ER8B30927 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244581
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: LD8B30D010 ER8B30927 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2423.3 lumens
Efficiency: N/A
Efficacy: 89.4 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

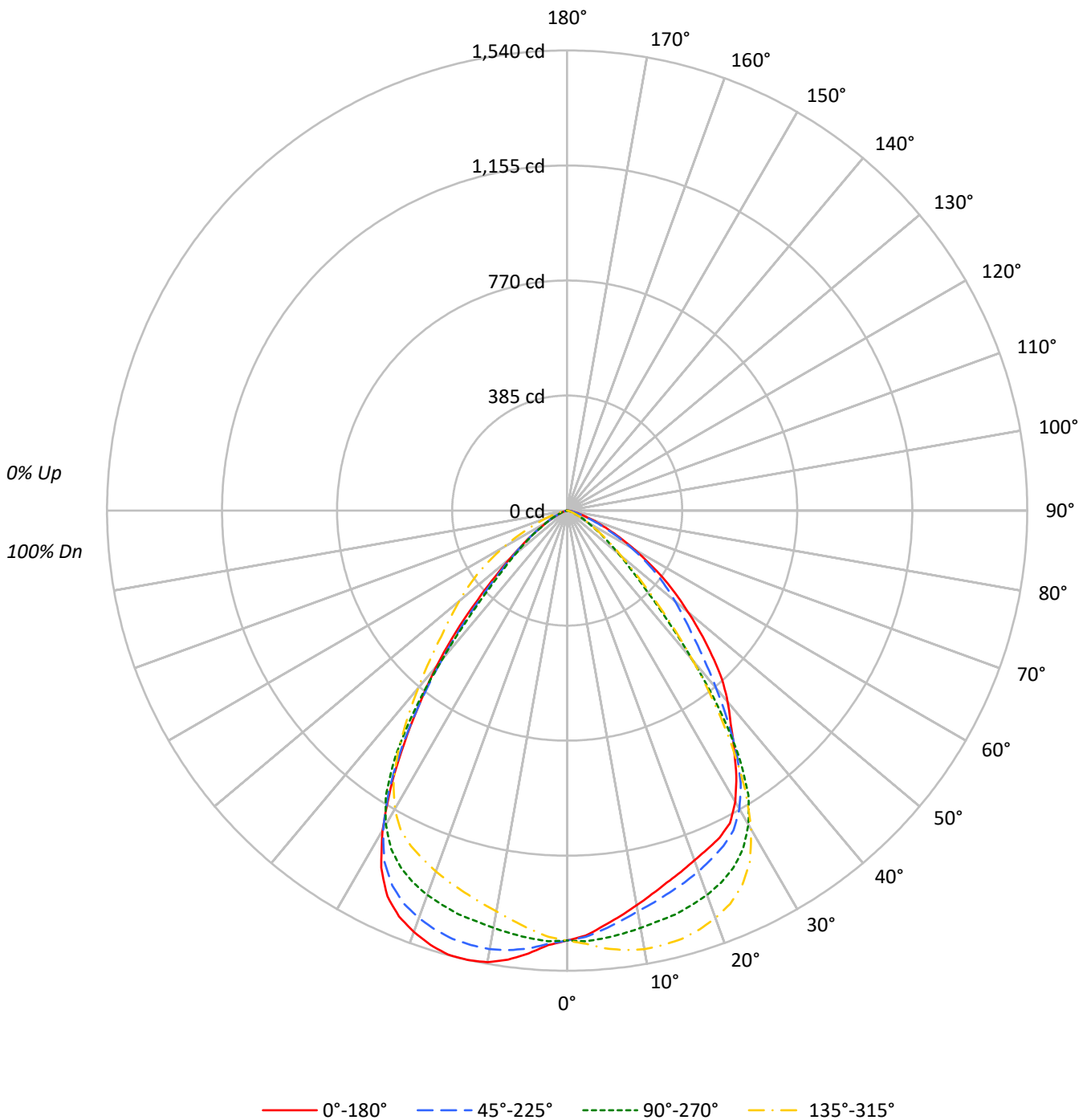
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	98	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°	136.9	5.7
10°-20°	396.5	16.4
20°-30°	600.4	24.8
30°-40°	601.8	24.8
40°-50°	377.9	15.6
50°-60°	201.4	8.3
60°-70°	82.8	3.4
70°-80°	21.9	0.9
80°-90°	3.7	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°	1133.9	46.8
0°-40°	1735.6	71.6
0°-60°	2314.9	95.5
0°-90°	2423.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2423.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1439	1439	1439	1439	1439	
5°	1395	1436	1488	1436	1395	132
15°	1289	1399	1538	1399	1289	365
25°	1208	1318	1424	1318	1208	554
35°	974	1001	950	1001	974	610
45°	686	367	424	367	686	527
55°	390	136	143	136	390	348
65°	155	41	38	41	155	161
75°	44	8	7	8	44	49
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°	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6
2.5°	1423.9	1422.4	1421.8	1423.1	1423.9	1426.6	1425.9	1427.4	1427.4	1428.1	1429.4
5°	1395.1	1394.3	1395.1	1395.1	1397.8	1400.6	1400.0	1402.1	1403.4	1407.0	1408.4
7.5°	1368.3	1368.3	1367.7	1370.5	1371.8	1376.1	1375.4	1378.9	1381.0	1384.5	1389.4
10°	1341.0	1341.0	1341.7	1343.8	1344.5	1350.8	1350.8	1355.7	1358.6	1362.0	1368.3
12.5°	1314.2	1314.2	1318.5	1317.0	1319.9	1324.8	1326.9	1331.8	1336.0	1343.0	1349.4
15°	1289.0	1289.0	1290.4	1293.9	1296.0	1302.3	1305.8	1311.5	1316.4	1323.4	1332.6
17.5°	1267.2	1266.5	1267.2	1271.5	1275.6	1281.3	1284.1	1291.0	1296.0	1305.1	1313.6
20°	1245.5	1246.8	1246.8	1250.3	1253.1	1260.2	1263.0	1270.7	1276.3	1284.8	1294.6
22.5°	1226.5	1225.8	1225.8	1230.6	1232.8	1239.1	1241.9	1249.0	1255.3	1262.2	1271.5
25°	1207.5	1206.1	1208.9	1209.6	1211.0	1218.0	1220.2	1225.0	1231.4	1237.7	1246.8
27.5°	1179.4	1178.0	1178.7	1181.5	1183.6	1189.2	1190.7	1195.5	1200.5	1206.1	1213.9
30°	1125.3	1123.9	1123.2	1128.1	1130.3	1134.4	1136.6	1145.0	1146.4	1152.7	1158.3
32.5°	1053.7	1053.0	1054.4	1058.6	1060.6	1066.3	1069.1	1074.0	1077.5	1081.0	1086.6
35°	973.6	972.2	973.6	977.8	977.8	982.7	984.8	987.0	986.2	987.0	985.5
37.5°	899.1	898.4	899.1	901.2	899.1	901.2	899.1	894.9	887.2	878.7	870.3
40°	835.9	836.6	832.4	835.2	827.4	826.1	818.3	807.9	792.3	775.5	751.6
42.5°	768.5	766.4	763.5	765.0	758.7	753.8	741.0	727.8	708.1	679.9	651.2
45°	685.6	684.9	683.4	682.8	678.6	673.6	663.1	647.7	625.8	597.0	562.6
47.5°	604.8	602.7	602.7	603.3	598.5	597.8	589.4	576.0	557.0	529.0	493.1
50°	527.5	526.8	528.3	531.0	527.5	526.2	520.5	511.4	494.6	470.7	437.0
52.5°	458.0	457.3	458.7	462.3	460.8	462.3	456.6	449.6	438.3	415.1	385.7
55°	389.8	389.8	389.8	394.1	394.1	394.1	391.3	387.1	376.5	359.7	332.3
57.5°	318.9	319.6	323.8	324.6	323.8	325.2	324.6	320.3	313.3	301.4	280.2
60°	259.2	259.2	261.3	263.5	262.7	263.5	263.5	261.3	254.2	244.5	227.6
62.5°	205.1	207.2	205.8	207.2	210.0	207.2	205.8	204.4	199.5	193.2	179.1
65°	155.2	156.6	156.6	157.4	155.9	156.6	153.9	151.8	149.0	141.9	132.8
67.5°	118.0	118.0	118.0	118.0	117.3	116.7	115.9	113.8	108.9	106.1	96.2
70°	90.6	86.4	86.4	86.4	86.4	87.1	85.0	82.2	80.8	75.8	68.9
72.5°	60.4	61.8	60.4	60.4	59.1	59.7	56.9	55.5	54.1	51.3	47.0
75°	43.5	40.1	41.4	42.2	40.1	41.4	38.6	35.8	35.8	33.8	31.6
77.5°	28.1	27.4	28.1	28.8	28.1	27.4	26.0	24.5	24.5	23.8	21.8
80°	20.4	19.7	19.7	19.7	19.0	19.7	18.2	18.2	16.9	16.2	14.7
82.5°	13.4	13.4	12.6	13.4	12.6	13.4	11.2	11.2	11.2	10.6	9.1
85°	9.1	7.8	7.8	8.4	7.0	8.4	7.8	7.0	6.3	6.3	5.6
87.5°	4.3	5.0	4.3	5.0	4.3	4.3	5.0	4.3	4.3	2.8	2.8
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°	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6
2.5°	1431.6	1432.2	1432.2	1435.2	1436.5	1437.2	1437.2	1442.8	1440.7	1442.1	1443.5
5°	1411.2	1415.4	1416.8	1416.8	1424.6	1427.4	1430.2	1436.5	1437.2	1441.5	1446.3
7.5°	1391.5	1396.5	1399.3	1405.6	1410.5	1415.4	1423.9	1428.1	1432.2	1437.9	1444.2
10°	1372.6	1378.2	1383.9	1388.7	1396.5	1402.8	1408.4	1418.2	1423.1	1430.9	1439.3
12.5°	1354.3	1362.0	1367.0	1375.4	1383.9	1389.4	1397.8	1407.0	1414.7	1422.4	1432.2
15°	1338.2	1347.3	1352.9	1362.0	1371.1	1378.9	1388.0	1399.3	1404.9	1414.0	1423.1
17.5°	1320.6	1330.4	1337.5	1345.8	1357.1	1365.5	1373.3	1384.5	1391.5	1401.4	1411.9
20°	1302.3	1312.2	1320.6	1329.1	1340.3	1348.6	1357.9	1369.1	1376.8	1386.7	1395.1
22.5°	1280.6	1289.7	1298.8	1308.6	1319.9	1326.9	1337.5	1347.3	1355.7	1364.9	1373.3
25°	1252.5	1263.7	1270.7	1279.8	1289.0	1296.7	1307.9	1317.8	1324.8	1333.2	1341.0
27.5°	1219.5	1227.9	1233.4	1241.2	1250.3	1257.4	1265.7	1275.6	1282.7	1290.4	1296.0
30°	1163.2	1171.0	1175.9	1181.5	1190.7	1197.0	1204.0	1213.1	1218.0	1223.7	1228.6
32.5°	1089.4	1095.9	1098.6	1102.8	1109.1	1115.4	1121.1	1128.8	1131.0	1134.4	1134.4
35°	982.7	984.2	983.5	984.8	987.6	991.1	996.1	1001.0	1003.7	1003.7	1001.7
37.5°	857.7	849.3	840.2	833.1	831.0	829.6	832.4	834.5	837.3	838.7	835.2
40°	727.8	708.8	688.4	670.2	657.4	651.8	649.8	651.2	651.2	656.1	656.1
42.5°	616.1	586.6	556.3	529.0	510.6	496.7	490.3	490.3	491.0	494.6	496.7
45°	523.4	486.1	451.0	420.8	395.4	377.2	368.8	366.6	366.0	367.4	372.3
47.5°	452.4	413.8	377.2	340.0	313.3	295.0	287.3	284.5	281.7	284.5	285.2
50°	396.9	356.8	318.3	281.0	252.9	236.7	226.9	222.6	222.0	222.0	223.4
52.5°	346.3	309.0	270.4	232.5	203.0	187.5	178.4	176.3	173.5	176.3	176.3
55°	298.6	261.3	223.4	187.5	162.9	146.8	138.4	135.6	134.2	136.2	136.2
57.5°	246.6	215.0	179.9	147.5	123.0	111.7	105.4	101.8	101.1	102.6	101.1
60°	202.3	175.6	145.4	115.9	97.0	85.0	80.1	78.6	77.3	78.6	78.6
62.5°	160.2	137.7	113.1	90.6	74.5	66.0	60.4	60.4	59.7	59.7	60.4
65°	118.7	101.1	83.6	64.6	52.0	45.7	41.4	41.4	40.7	41.4	40.7
67.5°	86.4	74.5	60.4	47.0	37.2	33.8	30.9	28.8	30.3	28.8	28.1
70°	63.2	53.3	43.5	35.8	28.8	25.3	23.2	22.5	21.0	21.0	21.0
72.5°	42.2	35.8	29.5	23.2	19.0	15.4	14.7	13.4	11.9	12.6	14.1
75°	28.1	23.8	21.0	16.9	12.6	12.6	8.4	8.4	7.0	8.4	6.3
77.5°	19.7	16.2	12.6	10.6	8.4	7.8	5.6	5.6	5.0	5.0	5.0
80°	14.1	11.9	9.1	7.8	5.6	5.6	5.0	4.3	3.5	3.5	4.3
82.5°	8.4	6.3	6.3	5.6	3.5	2.8	2.1	2.8	1.5	1.5	1.5
85°	5.0	4.3	3.5	2.1	1.5	1.5	0.7	0.0	0.7	0.7	0.0
87.5°	2.8	1.5	1.5	0.7	0.0	0.7	0.7	0.0	0.0	0.0	1.5
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°	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6
2.5°	1447.1	1446.3	1447.8	1447.8	1451.9	1451.2	1453.4	1453.4	1451.9	1452.7	1455.4
5°	1451.9	1454.1	1458.2	1461.8	1468.1	1470.9	1474.4	1477.9	1478.7	1480.7	1482.9
7.5°	1451.9	1459.0	1463.9	1470.3	1478.7	1483.5	1491.3	1497.6	1500.4	1503.9	1508.2
10°	1449.1	1456.2	1465.3	1472.3	1482.9	1490.6	1498.3	1508.2	1512.3	1518.0	1523.6
12.5°	1443.5	1451.2	1461.0	1470.3	1482.2	1489.2	1499.1	1508.2	1514.5	1522.2	1528.5
15°	1435.2	1444.2	1453.4	1462.5	1475.1	1483.5	1492.6	1503.2	1509.5	1518.0	1523.6
17.5°	1421.8	1431.6	1440.0	1448.4	1460.4	1470.3	1478.7	1488.5	1494.8	1501.9	1509.5
20°	1405.6	1414.7	1423.9	1430.9	1442.8	1451.2	1460.4	1469.5	1474.4	1475.9	1487.8
22.5°	1385.2	1391.5	1398.6	1409.9	1416.8	1424.6	1433.0	1441.5	1446.3	1454.1	1458.2
25°	1351.5	1357.9	1365.5	1370.5	1378.9	1385.2	1393.6	1402.8	1405.6	1411.2	1415.4
27.5°	1304.4	1307.9	1311.5	1315.7	1320.6	1324.1	1329.1	1333.2	1336.0	1338.9	1341.7
30°	1230.0	1230.0	1230.0	1227.1	1229.3	1231.4	1232.1	1231.4	1231.4	1230.6	1230.6
32.5°	1131.6	1126.0	1119.7	1114.1	1112.0	1109.1	1107.8	1105.6	1102.2	1100.0	1100.7
35°	998.9	986.2	978.5	971.4	965.9	961.6	959.5	957.5	956.7	953.9	951.1
37.5°	833.1	824.0	818.3	814.2	809.2	805.1	805.7	806.4	808.5	807.1	807.9
40°	657.4	655.4	657.4	652.6	651.2	652.6	656.1	661.1	663.9	666.7	671.5
42.5°	500.2	503.7	508.6	508.6	510.6	513.4	517.7	525.5	529.6	534.6	540.2
45°	376.5	380.7	387.1	389.1	390.6	394.1	399.0	405.3	408.2	412.3	417.3
47.5°	290.1	293.0	296.4	299.9	303.4	304.9	309.8	309.8	313.3	316.1	317.5
50°	226.2	228.9	231.8	233.9	235.4	237.5	238.8	241.0	241.6	243.0	243.8
52.5°	177.0	180.6	180.6	181.9	184.0	186.2	185.4	186.2	186.9	186.9	189.0
55°	138.4	138.4	140.5	140.5	141.9	141.2	141.9	141.9	141.9	141.9	142.6
57.5°	103.3	104.0	106.1	104.6	104.0	105.4	104.0	105.4	104.6	106.1	104.0
60°	79.3	79.3	80.1	80.1	80.8	80.8	80.8	80.1	80.1	79.3	79.3
62.5°	59.7	60.4	61.1	60.4	60.4	60.4	59.7	59.7	59.1	58.3	58.3
65°	40.1	39.4	40.7	39.4	40.1	40.1	39.4	40.1	37.9	38.6	37.9
67.5°	28.8	28.1	27.4	28.1	27.4	26.7	26.7	27.4	28.1	26.0	26.0
70°	19.0	19.7	19.0	19.7	20.4	20.4	19.7	19.0	19.7	18.2	19.0
72.5°	11.9	11.9	11.9	11.9	11.9	12.6	12.6	12.6	11.2	11.2	10.6
75°	5.6	7.8	6.3	5.6	7.8	7.8	7.0	7.0	6.3	6.3	6.3
77.5°	5.6	4.3	4.3	4.3	4.3	4.3	4.3	4.3	3.5	4.3	3.5
80°	2.8	2.8	2.8	2.1	2.8	2.8	3.5	2.8	2.8	2.1	3.5
82.5°	1.5	1.5	1.5	0.0	0.7	1.5	1.5	0.7	1.5	1.5	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: P244581

CATALOG NUMBER: LD8B30D010 ER8B30927 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6
2.5°	1454.7	1454.1	1454.7	1455.4	1454.7	1454.1	1454.7	1455.4	1452.7	1451.9	1453.4
5°	1485.7	1485.7	1487.0	1487.8	1487.0	1485.7	1485.7	1482.9	1480.7	1478.7	1477.9
7.5°	1512.3	1513.8	1515.1	1515.8	1515.1	1513.8	1512.3	1508.2	1503.9	1500.4	1497.6
10°	1528.5	1530.7	1533.5	1534.8	1533.5	1530.7	1528.5	1523.6	1518.0	1512.3	1508.2
12.5°	1535.5	1537.6	1541.1	1540.5	1541.1	1537.6	1535.5	1528.5	1522.2	1514.5	1508.2
15°	1530.7	1533.5	1537.0	1538.3	1537.0	1533.5	1530.7	1523.6	1518.0	1509.5	1503.2
17.5°	1515.1	1519.4	1521.4	1523.6	1521.4	1519.4	1515.1	1509.5	1501.9	1494.8	1488.5
20°	1494.1	1496.9	1499.7	1500.4	1499.7	1496.9	1494.1	1487.8	1475.9	1474.4	1469.5
22.5°	1463.9	1466.0	1472.3	1470.3	1472.3	1466.0	1463.9	1458.2	1454.1	1446.3	1441.5
25°	1420.3	1422.4	1423.1	1423.9	1423.1	1422.4	1420.3	1415.4	1411.2	1405.6	1402.8
27.5°	1345.2	1345.2	1346.6	1347.3	1346.6	1345.2	1345.2	1341.7	1338.9	1336.0	1333.2
30°	1231.4	1231.4	1231.4	1234.9	1231.4	1231.4	1231.4	1230.6	1230.6	1231.4	1231.4
32.5°	1100.0	1098.6	1097.2	1098.6	1097.2	1098.6	1100.0	1100.7	1100.0	1102.2	1105.6
35°	951.1	950.4	952.5	949.7	952.5	950.4	951.1	951.1	953.9	956.7	957.5
37.5°	808.5	807.1	809.9	807.1	809.9	807.1	808.5	807.9	807.1	808.5	806.4
40°	673.0	674.3	674.3	679.9	674.3	674.3	673.0	671.5	666.7	663.9	661.1
42.5°	543.0	547.2	545.8	550.0	545.8	547.2	543.0	540.2	534.6	529.6	525.5
45°	420.1	422.9	422.9	424.2	422.9	422.9	420.1	417.3	412.3	408.2	405.3
47.5°	322.4	322.4	322.4	323.1	322.4	322.4	322.4	317.5	316.1	313.3	309.8
50°	245.1	245.8	246.6	247.3	246.6	245.8	245.1	243.8	243.0	241.6	241.0
52.5°	188.2	189.0	187.5	189.0	187.5	189.0	188.2	189.0	186.9	186.9	186.2
55°	142.6	141.9	142.6	143.3	142.6	141.9	142.6	142.6	141.9	141.9	141.9
57.5°	104.6	103.3	103.3	103.3	103.3	103.3	104.6	104.0	106.1	104.6	105.4
60°	78.0	78.6	78.6	79.3	78.6	78.6	78.0	79.3	79.3	80.1	80.1
62.5°	57.6	59.7	58.3	59.7	58.3	59.7	57.6	58.3	58.3	59.1	59.7
65°	37.2	37.2	37.2	37.9	37.2	37.2	37.2	37.9	38.6	37.9	40.1
67.5°	25.3	26.0	27.4	26.7	27.4	26.0	25.3	26.0	26.0	28.1	27.4
70°	20.4	18.2	18.2	20.4	18.2	18.2	20.4	19.0	18.2	19.7	19.0
72.5°	11.9	10.6	11.9	11.9	11.9	10.6	11.9	10.6	11.2	11.2	12.6
75°	6.3	5.6	5.0	7.0	5.0	5.6	6.3	6.3	6.3	6.3	7.0
77.5°	4.3	3.5	5.0	5.0	5.0	3.5	4.3	3.5	4.3	3.5	4.3
80°	2.1	2.8	2.1	3.5	2.1	2.8	2.1	3.5	2.1	2.8	2.8
82.5°	0.7	1.5	1.5	1.5	1.5	1.5	0.7	0.7	1.5	1.5	0.7
85°	0.0	1.5	0.7	0.7	0.7	1.5	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: P244581

CATALOG NUMBER: LD8B30D010 ER8B30927 8LBSWOH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6
2.5°	1453.4	1451.2	1451.9	1447.8	1447.8	1446.3	1447.1	1443.5	1442.1	1440.7	1442.8
5°	1474.4	1470.9	1468.1	1461.8	1458.2	1454.1	1451.9	1446.3	1441.5	1437.2	1436.5
7.5°	1491.3	1483.5	1478.7	1470.3	1463.9	1459.0	1451.9	1444.2	1437.9	1432.2	1428.1
10°	1498.3	1490.6	1482.9	1472.3	1465.3	1456.2	1449.1	1439.3	1430.9	1423.1	1418.2
12.5°	1499.1	1489.2	1482.2	1470.3	1461.0	1451.2	1443.5	1432.2	1422.4	1414.7	1407.0
15°	1492.6	1483.5	1475.1	1462.5	1453.4	1444.2	1435.2	1423.1	1414.0	1404.9	1399.3
17.5°	1478.7	1470.3	1460.4	1448.4	1440.0	1431.6	1421.8	1411.9	1401.4	1391.5	1384.5
20°	1460.4	1451.2	1442.8	1430.9	1423.9	1414.7	1405.6	1395.1	1386.7	1376.8	1369.1
22.5°	1433.0	1424.6	1416.8	1409.9	1398.6	1391.5	1385.2	1373.3	1364.9	1355.7	1347.3
25°	1393.6	1385.2	1378.9	1370.5	1365.5	1357.9	1351.5	1341.0	1333.2	1324.8	1317.8
27.5°	1329.1	1324.1	1320.6	1315.7	1311.5	1307.9	1304.4	1296.0	1290.4	1282.7	1275.6
30°	1232.1	1231.4	1229.3	1227.1	1230.0	1230.0	1230.0	1228.6	1223.7	1218.0	1213.1
32.5°	1107.8	1109.1	1112.0	1114.1	1119.7	1126.0	1131.6	1134.4	1134.4	1131.0	1128.8
35°	959.5	961.6	965.9	971.4	978.5	986.2	998.9	1001.7	1003.7	1003.7	1001.0
37.5°	805.7	805.1	809.2	814.2	818.3	824.0	833.1	835.2	838.7	837.3	834.5
40°	656.1	652.6	651.2	652.6	657.4	655.4	657.4	656.1	656.1	651.2	651.2
42.5°	517.7	513.4	510.6	508.6	508.6	503.7	500.2	496.7	494.6	491.0	490.3
45°	399.0	394.1	390.6	389.1	387.1	380.7	376.5	372.3	367.4	366.0	366.6
47.5°	309.8	304.9	303.4	299.9	296.4	293.0	290.1	285.2	284.5	281.7	284.5
50°	238.8	237.5	235.4	233.9	231.8	228.9	226.2	223.4	222.0	222.0	222.6
52.5°	185.4	186.2	184.0	181.9	180.6	180.6	177.0	176.3	176.3	173.5	176.3
55°	141.9	141.2	141.9	140.5	140.5	138.4	138.4	136.2	136.2	134.2	135.6
57.5°	104.0	105.4	104.0	104.6	106.1	104.0	103.3	101.1	102.6	101.1	101.8
60°	80.8	80.8	80.8	80.1	80.1	79.3	79.3	78.6	78.6	77.3	78.6
62.5°	59.7	60.4	60.4	60.4	61.1	60.4	59.7	60.4	59.7	59.7	60.4
65°	39.4	40.1	40.1	39.4	40.7	39.4	40.1	40.7	41.4	40.7	41.4
67.5°	26.7	26.7	27.4	28.1	27.4	28.1	28.8	28.1	28.8	30.3	28.8
70°	19.7	20.4	20.4	19.7	19.0	19.7	19.0	21.0	21.0	21.0	22.5
72.5°	12.6	12.6	11.9	11.9	11.9	11.9	11.9	14.1	12.6	11.9	13.4
75°	7.0	7.8	7.8	5.6	6.3	7.8	5.6	6.3	8.4	7.0	8.4
77.5°	4.3	4.3	4.3	4.3	4.3	4.3	5.6	5.0	5.0	5.0	5.6
80°	3.5	2.8	2.8	2.1	2.8	2.8	2.8	4.3	3.5	3.5	4.3
82.5°	1.5	1.5	0.7	0.0	1.5	1.5	1.5	1.5	1.5	1.5	2.8
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	1.5	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: P244581

CATALOG NUMBER: LD8B30D010 ER8B30927 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6
2.5°	1437.2	1437.2	1436.5	1435.2	1432.2	1432.2	1431.6	1429.4	1428.1	1427.4	1427.4
5°	1430.2	1427.4	1424.6	1416.8	1416.8	1415.4	1411.2	1408.4	1407.0	1403.4	1402.1
7.5°	1423.9	1415.4	1410.5	1405.6	1399.3	1396.5	1391.5	1389.4	1384.5	1381.0	1378.9
10°	1408.4	1402.8	1396.5	1388.7	1383.9	1378.2	1372.6	1368.3	1362.0	1358.6	1355.7
12.5°	1397.8	1389.4	1383.9	1375.4	1367.0	1362.0	1354.3	1349.4	1343.0	1336.0	1331.8
15°	1388.0	1378.9	1371.1	1362.0	1352.9	1347.3	1338.2	1332.6	1323.4	1316.4	1311.5
17.5°	1373.3	1365.5	1357.1	1345.8	1337.5	1330.4	1320.6	1313.6	1305.1	1296.0	1291.0
20°	1357.9	1348.6	1340.3	1329.1	1320.6	1312.2	1302.3	1294.6	1284.8	1276.3	1270.7
22.5°	1337.5	1326.9	1319.9	1308.6	1298.8	1289.7	1280.6	1271.5	1262.2	1255.3	1249.0
25°	1307.9	1296.7	1289.0	1279.8	1270.7	1263.7	1252.5	1246.8	1237.7	1231.4	1225.0
27.5°	1265.7	1257.4	1250.3	1241.2	1233.4	1227.9	1219.5	1213.9	1206.1	1200.5	1195.5
30°	1204.0	1197.0	1190.7	1181.5	1175.9	1171.0	1163.2	1158.3	1152.7	1146.4	1145.0
32.5°	1121.1	1115.4	1109.1	1102.8	1098.6	1095.9	1089.4	1086.6	1081.0	1077.5	1074.0
35°	996.1	991.1	987.6	984.8	983.5	984.2	982.7	985.5	987.0	986.2	987.0
37.5°	832.4	829.6	831.0	833.1	840.2	849.3	857.7	870.3	878.7	887.2	894.9
40°	649.8	651.8	657.4	670.2	688.4	708.8	727.8	751.6	775.5	792.3	807.9
42.5°	490.3	496.7	510.6	529.0	556.3	586.6	616.1	651.2	679.9	708.1	727.8
45°	368.8	377.2	395.4	420.8	451.0	486.1	523.4	562.6	597.0	625.8	647.7
47.5°	287.3	295.0	313.3	340.0	377.2	413.8	452.4	493.1	529.0	557.0	576.0
50°	226.9	236.7	252.9	281.0	318.3	356.8	396.9	437.0	470.7	494.6	511.4
52.5°	178.4	187.5	203.0	232.5	270.4	309.0	346.3	385.7	415.1	438.3	449.6
55°	138.4	146.8	162.9	187.5	223.4	261.3	298.6	332.3	359.7	376.5	387.1
57.5°	105.4	111.7	123.0	147.5	179.9	215.0	246.6	280.2	301.4	313.3	320.3
60°	80.1	85.0	97.0	115.9	145.4	175.6	202.3	227.6	244.5	254.2	261.3
62.5°	60.4	66.0	74.5	90.6	113.1	137.7	160.2	179.1	193.2	199.5	204.4
65°	41.4	45.7	52.0	64.6	83.6	101.1	118.7	132.8	141.9	149.0	151.8
67.5°	30.9	33.8	37.2	47.0	60.4	74.5	86.4	96.2	106.1	108.9	113.8
70°	23.2	25.3	28.8	35.8	43.5	53.3	63.2	68.9	75.8	80.8	82.2
72.5°	14.7	15.4	19.0	23.2	29.5	35.8	42.2	47.0	51.3	54.1	55.5
75°	8.4	12.6	12.6	16.9	21.0	23.8	28.1	31.6	33.8	35.8	35.8
77.5°	5.6	7.8	8.4	10.6	12.6	16.2	19.7	21.8	23.8	24.5	24.5
80°	5.0	5.6	5.6	7.8	9.1	11.9	14.1	14.7	16.2	16.9	18.2
82.5°	2.1	2.8	3.5	5.6	6.3	6.3	8.4	9.1	10.6	11.2	11.2
85°	0.7	1.5	1.5	2.1	3.5	4.3	5.0	5.6	6.3	6.3	7.0
87.5°	0.7	0.7	0.0	0.7	1.5	1.5	2.8	2.8	2.8	4.3	4.3
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: P244581

CATALOG NUMBER: LD8B30D010 ER8B30927 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6	1438.6
2.5°	1425.9	1426.6	1423.9	1423.1	1421.8	1422.4	1423.9
5°	1400.0	1400.6	1397.8	1395.1	1395.1	1394.3	1395.1
7.5°	1375.4	1376.1	1371.8	1370.5	1367.7	1368.3	1368.3
10°	1350.8	1350.8	1344.5	1343.8	1341.7	1341.0	1341.0
12.5°	1326.9	1324.8	1319.9	1317.0	1318.5	1314.2	1314.2
15°	1305.8	1302.3	1296.0	1293.9	1290.4	1289.0	1289.0
17.5°	1284.1	1281.3	1275.6	1271.5	1267.2	1266.5	1267.2
20°	1263.0	1260.2	1253.1	1250.3	1246.8	1246.8	1245.5
22.5°	1241.9	1239.1	1232.8	1230.6	1225.8	1225.8	1226.5
25°	1220.2	1218.0	1211.0	1209.6	1208.9	1206.1	1207.5
27.5°	1190.7	1189.2	1183.6	1181.5	1178.7	1178.0	1179.4
30°	1136.6	1134.4	1130.3	1128.1	1123.2	1123.9	1125.3
32.5°	1069.1	1066.3	1060.6	1058.6	1054.4	1053.0	1053.7
35°	984.8	982.7	977.8	977.8	973.6	972.2	973.6
37.5°	899.1	901.2	899.1	901.2	899.1	898.4	899.1
40°	818.3	826.1	827.4	835.2	832.4	836.6	835.9
42.5°	741.0	753.8	758.7	765.0	763.5	766.4	768.5
45°	663.1	673.6	678.6	682.8	683.4	684.9	685.6
47.5°	589.4	597.8	598.5	603.3	602.7	602.7	604.8
50°	520.5	526.2	527.5	531.0	528.3	526.8	527.5
52.5°	456.6	462.3	460.8	462.3	458.7	457.3	458.0
55°	391.3	394.1	394.1	394.1	389.8	389.8	389.8
57.5°	324.6	325.2	323.8	324.6	323.8	319.6	318.9
60°	263.5	263.5	262.7	263.5	261.3	259.2	259.2
62.5°	205.8	207.2	210.0	207.2	205.8	207.2	205.1
65°	153.9	156.6	155.9	157.4	156.6	156.6	155.2
67.5°	115.9	116.7	117.3	118.0	118.0	118.0	118.0
70°	85.0	87.1	86.4	86.4	86.4	86.4	90.6
72.5°	56.9	59.7	59.1	60.4	60.4	61.8	60.4
75°	38.6	41.4	40.1	42.2	41.4	40.1	43.5
77.5°	26.0	27.4	28.1	28.8	28.1	27.4	28.1
80°	18.2	19.7	19.0	19.7	19.7	19.7	20.4
82.5°	11.2	13.4	12.6	13.4	12.6	13.4	13.4
85°	7.8	8.4	7.0	8.4	7.8	7.8	9.1
87.5°	5.0	4.3	4.3	5.0	4.3	5.0	4.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)