

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: P246027

Luminaire Tested: **LD8B30D010 ER8B309730 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246027
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 ER8B309730 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2255.0 lumens
Efficiency: N/A
Efficacy: 83.2 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

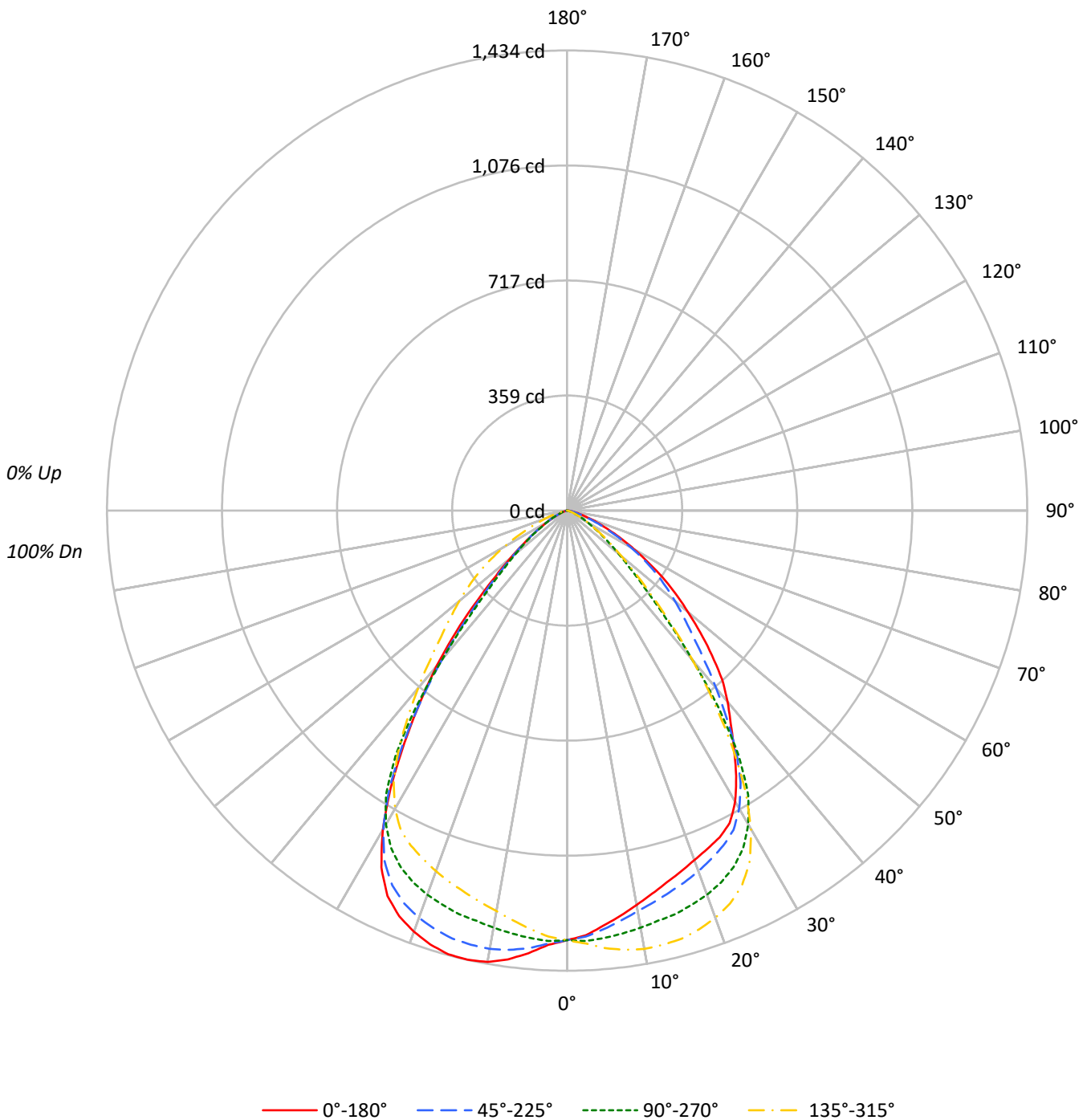
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	127.4	5.7
10°-20°	369.0	16.4
20°-30°	558.7	24.8
30°-40°	560.0	24.8
40°-50°	351.6	15.6
50°-60°	187.4	8.3
60°-70°	77.1	3.4
70°-80°	20.4	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°	1055.1	46.8
0°-40°	1615.1	71.6
0°-60°	2154.2	95.5
0°-90°	2255.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2255.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1339	1339	1339	1339	1339	
5°	1298	1337	1384	1337	1298	122
15°	1200	1302	1432	1302	1200	339
25°	1124	1226	1325	1226	1124	515
35°	906	932	884	932	906	568
45°	638	341	395	341	638	491
55°	363	126	133	126	363	323
65°	144	39	35	39	144	150
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°	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7
2.5°	1325.0	1323.7	1323.0	1324.4	1325.0	1327.6	1327.0	1328.3	1328.3	1328.9	1330.2
5°	1298.2	1297.5	1298.2	1298.2	1300.8	1303.4	1302.8	1304.7	1306.0	1309.3	1310.6
7.5°	1273.4	1273.4	1272.7	1275.3	1276.6	1280.6	1279.9	1283.2	1285.1	1288.4	1293.0
10°	1247.9	1247.9	1248.5	1250.5	1251.1	1257.0	1257.0	1261.6	1264.2	1267.5	1273.4
12.5°	1223.0	1223.0	1227.0	1225.6	1228.2	1232.8	1234.8	1239.4	1243.3	1249.8	1255.7
15°	1199.5	1199.5	1200.8	1204.1	1206.0	1211.9	1215.2	1220.4	1225.0	1231.5	1240.0
17.5°	1179.2	1178.6	1179.2	1183.2	1187.1	1192.3	1194.9	1201.4	1206.0	1214.5	1222.4
20°	1159.0	1160.3	1160.3	1163.5	1166.1	1172.7	1175.3	1182.5	1187.7	1195.6	1204.7
22.5°	1141.3	1140.7	1140.7	1145.2	1147.2	1153.1	1155.7	1162.2	1168.1	1174.7	1183.2
25°	1123.7	1122.3	1125.0	1125.6	1126.9	1133.5	1135.4	1140.0	1145.9	1151.8	1160.3
27.5°	1097.5	1096.2	1096.9	1099.5	1101.4	1106.7	1108.0	1112.6	1117.1	1122.3	1129.6
30°	1047.2	1045.9	1045.2	1049.8	1051.8	1055.7	1057.6	1065.5	1066.8	1072.7	1077.9
32.5°	980.5	979.9	981.2	985.1	987.0	992.3	994.9	999.5	1002.7	1006.0	1011.2
35°	906.0	904.7	906.0	909.9	909.9	914.5	916.5	918.4	917.8	918.4	917.1
37.5°	836.7	836.0	836.7	838.7	836.7	838.7	836.7	832.8	825.6	817.7	809.9
40°	777.9	778.5	774.6	777.2	770.0	768.7	761.5	751.7	737.4	721.7	699.4
42.5°	715.1	713.2	710.6	711.8	706.0	701.4	689.6	677.2	658.9	632.8	605.9
45°	638.0	637.3	636.0	635.4	631.5	626.9	617.1	602.7	582.4	555.6	523.6
47.5°	562.8	560.9	560.9	561.5	556.9	556.3	548.4	536.0	518.4	492.2	458.9
50°	490.9	490.2	491.6	494.2	490.9	489.6	484.4	475.9	460.2	438.0	406.6
52.5°	426.2	425.5	426.9	430.1	428.8	430.1	424.9	418.4	407.9	386.3	358.9
55°	362.8	362.8	362.8	366.7	366.7	366.7	364.1	360.2	350.4	334.7	309.2
57.5°	296.8	297.4	301.3	302.0	301.3	302.7	302.0	298.1	291.6	280.4	260.8
60°	241.2	241.2	243.2	245.1	244.5	245.1	245.1	243.2	236.6	227.5	211.8
62.5°	190.9	192.8	191.5	192.8	195.4	192.8	191.5	190.2	185.6	179.8	166.7
65°	144.5	145.8	145.8	146.4	145.1	145.8	143.2	141.2	138.6	132.1	123.6
67.5°	109.8	109.8	109.8	109.8	109.2	108.5	107.9	105.9	101.3	98.7	89.5
70°	84.3	80.4	80.4	80.4	80.4	81.1	79.1	76.5	75.2	70.6	64.1
72.5°	56.2	57.5	56.2	56.2	54.9	55.6	53.0	51.6	50.3	47.7	43.8
75°	40.5	37.3	38.6	39.2	37.3	38.6	35.9	33.3	33.3	31.4	29.4
77.5°	26.2	25.5	26.2	26.8	26.2	25.5	24.2	22.9	22.9	22.2	20.3
80°	19.0	18.3	18.3	18.3	17.7	18.3	17.0	17.0	15.7	15.0	13.7
82.5°	12.4	12.4	11.8	12.4	11.8	12.4	10.5	10.5	10.5	9.8	8.5
85°	8.5	7.2	7.2	7.9	6.5	7.9	7.2	6.5	5.9	5.9	5.2
87.5°	3.9	4.6	3.9	4.6	3.9	3.9	4.6	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°	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7
2.5°	1332.2	1332.8	1332.8	1335.5	1336.8	1337.4	1337.4	1342.7	1340.7	1342.0	1343.3
5°	1313.2	1317.1	1318.5	1318.5	1325.6	1328.3	1330.9	1336.8	1337.4	1341.3	1345.9
7.5°	1294.9	1299.5	1302.1	1308.0	1312.6	1317.1	1325.0	1328.9	1332.8	1338.1	1343.9
10°	1277.3	1282.5	1287.7	1292.3	1299.5	1305.4	1310.6	1319.8	1324.4	1331.5	1339.4
12.5°	1260.3	1267.5	1272.0	1279.9	1287.7	1293.0	1300.8	1309.3	1316.5	1323.7	1332.8
15°	1245.3	1253.8	1259.0	1267.5	1276.0	1283.2	1291.7	1302.1	1307.3	1315.9	1324.4
17.5°	1228.9	1238.1	1244.6	1252.4	1262.9	1270.7	1277.9	1288.4	1294.9	1304.1	1313.9
20°	1211.9	1221.1	1228.9	1236.7	1247.2	1255.0	1263.5	1274.0	1281.2	1290.3	1298.2
22.5°	1191.7	1200.2	1208.6	1217.8	1228.2	1234.8	1244.6	1253.8	1261.6	1270.1	1277.9
25°	1165.5	1176.0	1182.5	1191.0	1199.5	1206.7	1217.1	1226.3	1232.8	1240.7	1247.9
27.5°	1134.8	1142.6	1147.9	1155.0	1163.5	1170.1	1177.9	1187.1	1193.6	1200.8	1206.0
30°	1082.5	1089.7	1094.3	1099.5	1108.0	1113.9	1120.4	1128.9	1133.5	1138.7	1143.3
32.5°	1013.8	1019.7	1022.3	1026.3	1032.2	1038.0	1043.3	1050.5	1052.4	1055.7	1055.7
35°	914.5	915.8	915.1	916.5	919.1	922.3	926.9	931.5	934.1	934.1	932.1
37.5°	798.1	790.3	781.8	775.3	773.3	772.0	774.6	776.6	779.2	780.5	777.2
40°	677.2	659.6	640.6	623.6	611.8	606.6	604.7	605.9	605.9	610.5	610.5
42.5°	573.3	545.8	517.7	492.2	475.2	462.2	456.3	456.3	456.9	460.2	462.2
45°	487.0	452.3	419.6	391.6	368.0	351.0	343.2	341.2	340.6	341.9	346.4
47.5°	421.0	385.0	351.0	316.4	291.6	274.5	267.4	264.7	262.1	264.7	265.4
50°	369.3	332.1	296.1	261.5	235.3	220.3	211.1	207.2	206.6	206.6	207.9
52.5°	322.3	287.6	251.7	216.4	188.9	174.5	166.0	164.1	161.5	164.1	164.1
55°	277.8	243.2	207.9	174.5	151.6	136.6	128.8	126.2	124.8	126.8	126.8
57.5°	229.5	200.0	167.4	137.3	114.4	103.9	98.0	94.8	94.1	95.4	94.1
60°	188.3	163.4	135.3	107.9	90.2	79.1	74.5	73.2	71.9	73.2	73.2
62.5°	149.0	128.1	105.2	84.3	69.3	61.5	56.2	56.2	55.6	55.6	56.2
65°	110.5	94.1	77.8	60.1	48.4	42.5	38.6	38.6	37.9	38.6	37.9
67.5°	80.4	69.3	56.2	43.8	34.7	31.4	28.8	26.8	28.1	26.8	26.2
70°	58.8	49.7	40.5	33.3	26.8	23.5	21.6	20.9	19.6	19.6	19.6
72.5°	39.2	33.3	27.4	21.6	17.7	14.4	13.7	12.4	11.1	11.8	13.1
75°	26.2	22.2	19.6	15.7	11.8	11.8	7.9	7.9	6.5	7.9	5.9
77.5°	18.3	15.0	11.8	9.8	7.9	7.2	5.2	5.2	4.6	4.6	4.6
80°	13.1	11.1	8.5	7.2	5.2	5.2	4.6	3.9	3.3	3.3	3.9
82.5°	7.9	5.9	5.9	5.2	3.3	2.6	2.0	2.6	1.3	1.3	1.3
85°	4.6	3.9	3.3	2.0	1.3	1.3	0.6	0.0	0.6	0.6	0.0
87.5°	2.6	1.3	1.3	0.6	0.0	0.6	0.6	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°	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7
2.5°	1346.6	1345.9	1347.2	1347.2	1351.2	1350.5	1352.4	1352.4	1351.2	1351.8	1354.4
5°	1351.2	1353.1	1357.0	1360.3	1366.2	1368.8	1372.1	1375.3	1376.0	1378.0	1379.9
7.5°	1351.2	1357.7	1362.3	1368.1	1376.0	1380.6	1387.7	1393.6	1396.2	1399.5	1403.4
10°	1348.5	1355.1	1363.6	1370.1	1379.9	1387.1	1394.3	1403.4	1407.4	1412.6	1417.8
12.5°	1343.3	1350.5	1359.6	1368.1	1379.2	1385.8	1394.9	1403.4	1409.3	1416.5	1422.4
15°	1335.5	1343.9	1352.4	1360.9	1372.7	1380.6	1389.1	1398.9	1404.7	1412.6	1417.8
17.5°	1323.0	1332.2	1340.0	1347.9	1359.0	1368.1	1376.0	1385.1	1391.0	1397.6	1404.7
20°	1308.0	1316.5	1325.0	1331.5	1342.7	1350.5	1359.0	1367.5	1372.1	1373.4	1384.5
22.5°	1289.1	1294.9	1301.5	1311.9	1318.5	1325.6	1333.5	1341.3	1345.9	1353.1	1357.0
25°	1257.7	1263.5	1270.7	1275.3	1283.2	1289.1	1296.9	1305.4	1308.0	1313.2	1317.1
27.5°	1213.9	1217.1	1220.4	1224.3	1228.9	1232.2	1236.7	1240.7	1243.3	1245.9	1248.5
30°	1144.6	1144.6	1144.6	1142.0	1143.9	1145.9	1146.5	1145.9	1145.9	1145.2	1145.2
32.5°	1053.1	1047.8	1042.0	1036.7	1034.8	1032.2	1030.8	1028.9	1025.6	1023.7	1024.3
35°	929.5	917.8	910.6	904.0	898.8	894.9	892.9	891.0	890.3	887.7	885.1
37.5°	775.3	766.8	761.5	757.6	753.0	749.1	749.8	750.4	752.4	751.1	751.7
40°	611.8	609.9	611.8	607.3	605.9	607.3	610.5	615.1	617.7	620.3	624.9
42.5°	465.4	468.7	473.3	473.3	475.2	477.8	481.7	489.0	492.9	497.4	502.7
45°	350.4	354.3	360.2	362.1	363.4	366.7	371.3	377.2	379.8	383.7	388.3
47.5°	270.0	272.6	275.8	279.1	282.4	283.7	288.3	288.3	291.6	294.2	295.5
50°	210.5	213.1	215.7	217.7	219.0	220.9	222.2	224.2	224.9	226.2	226.8
52.5°	164.7	168.0	168.0	169.3	171.3	173.2	172.6	173.2	173.9	173.9	175.8
55°	128.8	128.8	130.7	130.7	132.1	131.4	132.1	132.1	132.1	132.1	132.7
57.5°	96.1	96.8	98.7	97.4	96.8	98.0	96.8	98.0	97.4	98.7	96.8
60°	73.9	73.9	74.5	74.5	75.2	75.2	75.2	74.5	74.5	73.9	73.9
62.5°	55.6	56.2	56.9	56.2	56.2	56.2	55.6	55.6	54.9	54.2	54.2
65°	37.3	36.6	37.9	36.6	37.3	37.3	36.6	37.3	35.3	35.9	35.3
67.5°	26.8	26.2	25.5	26.2	25.5	24.8	24.8	25.5	26.2	24.2	24.2
70°	17.7	18.3	17.7	18.3	19.0	19.0	18.3	17.7	18.3	17.0	17.7
72.5°	11.1	11.1	11.1	11.1	11.1	11.8	11.8	11.8	10.5	10.5	9.8
75°	5.2	7.2	5.9	5.2	7.2	7.2	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	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	0.6	1.3	1.3	0.6	1.3	1.3	0.6
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



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CATALOG NUMBER: LD8B30D010 ER8B309730 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7
2.5°	1353.8	1353.1	1353.8	1354.4	1353.8	1353.1	1353.8	1354.4	1351.8	1351.2	1352.4
5°	1382.5	1382.5	1383.8	1384.5	1383.8	1382.5	1382.5	1379.9	1378.0	1376.0	1375.3
7.5°	1407.4	1408.7	1410.0	1410.6	1410.0	1408.7	1407.4	1403.4	1399.5	1396.2	1393.6
10°	1422.4	1424.4	1427.0	1428.3	1427.0	1424.4	1422.4	1417.8	1412.6	1407.4	1403.4
12.5°	1428.9	1430.9	1434.2	1433.5	1434.2	1430.9	1428.9	1422.4	1416.5	1409.3	1403.4
15°	1424.4	1427.0	1430.2	1431.5	1430.2	1427.0	1424.4	1417.8	1412.6	1404.7	1398.9
17.5°	1410.0	1413.9	1415.9	1417.8	1415.9	1413.9	1410.0	1404.7	1397.6	1391.0	1385.1
20°	1390.4	1393.0	1395.6	1396.2	1395.6	1393.0	1390.4	1384.5	1373.4	1372.1	1367.5
22.5°	1362.3	1364.2	1370.1	1368.1	1370.1	1364.2	1362.3	1357.0	1353.1	1345.9	1341.3
25°	1321.7	1323.7	1324.4	1325.0	1324.4	1323.7	1321.7	1317.1	1313.2	1308.0	1305.4
27.5°	1251.8	1251.8	1253.1	1253.8	1253.1	1251.8	1251.8	1248.5	1245.9	1243.3	1240.7
30°	1145.9	1145.9	1145.9	1149.2	1145.9	1145.9	1145.9	1145.2	1145.2	1145.9	1145.9
32.5°	1023.7	1022.3	1021.0	1022.3	1021.0	1022.3	1023.7	1024.3	1023.7	1025.6	1028.9
35°	885.1	884.4	886.4	883.8	886.4	884.4	885.1	885.1	887.7	890.3	891.0
37.5°	752.4	751.1	753.7	751.1	753.7	751.1	752.4	751.7	751.1	752.4	750.4
40°	626.2	627.5	627.5	632.8	627.5	627.5	626.2	624.9	620.3	617.7	615.1
42.5°	505.3	509.2	507.9	511.8	507.9	509.2	505.3	502.7	497.4	492.9	489.0
45°	390.9	393.5	393.5	394.8	393.5	393.5	390.9	388.3	383.7	379.8	377.2
47.5°	300.0	300.0	300.0	300.7	300.0	300.0	300.0	295.5	294.2	291.6	288.3
50°	228.1	228.8	229.5	230.1	229.5	228.8	228.1	226.8	226.2	224.9	224.2
52.5°	175.2	175.8	174.5	175.8	174.5	175.8	175.2	175.8	173.9	173.9	173.2
55°	132.7	132.1	132.7	133.3	132.7	132.1	132.7	132.7	132.1	132.1	132.1
57.5°	97.4	96.1	96.1	96.1	96.1	96.1	97.4	96.8	98.7	97.4	98.0
60°	72.6	73.2	73.2	73.9	73.2	73.2	72.6	73.9	73.9	74.5	74.5
62.5°	53.6	55.6	54.2	55.6	54.2	55.6	53.6	54.2	54.2	54.9	55.6
65°	34.7	34.7	34.7	35.3	34.7	34.7	34.7	35.3	35.9	35.3	37.3
67.5°	23.5	24.2	25.5	24.8	25.5	24.2	23.5	24.2	24.2	26.2	25.5
70°	19.0	17.0	17.0	19.0	17.0	17.0	19.0	17.7	17.0	18.3	17.7
72.5°	11.1	9.8	11.1	11.1	11.1	9.8	11.1	9.8	10.5	10.5	11.8
75°	5.9	5.2	4.6	6.5	4.6	5.2	5.9	5.9	5.9	5.9	6.5
77.5°	3.9	3.3	4.6	4.6	4.6	3.3	3.9	3.3	3.9	3.3	3.9
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°	0.6	1.3	1.3	1.3	1.3	1.3	0.6	0.6	1.3	1.3	0.6
85°	0.0	1.3	0.6	0.6	0.6	1.3	0.0	0.0	0.0	0.0	0.0
87.5°	0.6	0.0	0.0	0.6	0.0	0.0	0.6	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: P246027

CATALOG NUMBER: LD8B30D010 ER8B309730 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7
2.5°	1352.4	1350.5	1351.2	1347.2	1347.2	1345.9	1346.6	1343.3	1342.0	1340.7	1342.7
5°	1372.1	1368.8	1366.2	1360.3	1357.0	1353.1	1351.2	1345.9	1341.3	1337.4	1336.8
7.5°	1387.7	1380.6	1376.0	1368.1	1362.3	1357.7	1351.2	1343.9	1338.1	1332.8	1328.9
10°	1394.3	1387.1	1379.9	1370.1	1363.6	1355.1	1348.5	1339.4	1331.5	1324.4	1319.8
12.5°	1394.9	1385.8	1379.2	1368.1	1359.6	1350.5	1343.3	1332.8	1323.7	1316.5	1309.3
15°	1389.1	1380.6	1372.7	1360.9	1352.4	1343.9	1335.5	1324.4	1315.9	1307.3	1302.1
17.5°	1376.0	1368.1	1359.0	1347.9	1340.0	1332.2	1323.0	1313.9	1304.1	1294.9	1288.4
20°	1359.0	1350.5	1342.7	1331.5	1325.0	1316.5	1308.0	1298.2	1290.3	1281.2	1274.0
22.5°	1333.5	1325.6	1318.5	1311.9	1301.5	1294.9	1289.1	1277.9	1270.1	1261.6	1253.8
25°	1296.9	1289.1	1283.2	1275.3	1270.7	1263.5	1257.7	1247.9	1240.7	1232.8	1226.3
27.5°	1236.7	1232.2	1228.9	1224.3	1220.4	1217.1	1213.9	1206.0	1200.8	1193.6	1187.1
30°	1146.5	1145.9	1143.9	1142.0	1144.6	1144.6	1144.6	1143.3	1138.7	1133.5	1128.9
32.5°	1030.8	1032.2	1034.8	1036.7	1042.0	1047.8	1053.1	1055.7	1055.7	1052.4	1050.5
35°	892.9	894.9	898.8	904.0	910.6	917.8	929.5	932.1	934.1	934.1	931.5
37.5°	749.8	749.1	753.0	757.6	761.5	766.8	775.3	777.2	780.5	779.2	776.6
40°	610.5	607.3	605.9	607.3	611.8	609.9	611.8	610.5	610.5	605.9	605.9
42.5°	481.7	477.8	475.2	473.3	473.3	468.7	465.4	462.2	460.2	456.9	456.3
45°	371.3	366.7	363.4	362.1	360.2	354.3	350.4	346.4	341.9	340.6	341.2
47.5°	288.3	283.7	282.4	279.1	275.8	272.6	270.0	265.4	264.7	262.1	264.7
50°	222.2	220.9	219.0	217.7	215.7	213.1	210.5	207.9	206.6	206.6	207.2
52.5°	172.6	173.2	171.3	169.3	168.0	168.0	164.7	164.1	164.1	161.5	164.1
55°	132.1	131.4	132.1	130.7	130.7	128.8	128.8	126.8	126.8	124.8	126.2
57.5°	96.8	98.0	96.8	97.4	98.7	96.8	96.1	94.1	95.4	94.1	94.8
60°	75.2	75.2	75.2	74.5	74.5	73.9	73.9	73.2	73.2	71.9	73.2
62.5°	55.6	56.2	56.2	56.2	56.9	56.2	55.6	56.2	55.6	55.6	56.2
65°	36.6	37.3	37.3	36.6	37.9	36.6	37.3	37.9	38.6	37.9	38.6
67.5°	24.8	24.8	25.5	26.2	25.5	26.2	26.8	26.2	26.8	28.1	26.8
70°	18.3	19.0	19.0	18.3	17.7	18.3	17.7	19.6	19.6	19.6	20.9
72.5°	11.8	11.8	11.1	11.1	11.1	11.1	11.1	13.1	11.8	11.1	12.4
75°	6.5	7.2	7.2	5.2	5.9	7.2	5.2	5.9	7.9	6.5	7.9
77.5°	3.9	3.9	3.9	3.9	3.9	3.9	5.2	4.6	4.6	4.6	5.2
80°	3.3	2.6	2.6	2.0	2.6	2.6	2.6	3.9	3.3	3.3	3.9
82.5°	1.3	1.3	0.6	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	0.6	0.6	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: P246027

CATALOG NUMBER: LD8B30D010 ER8B309730 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7
2.5°	1337.4	1337.4	1336.8	1335.5	1332.8	1332.8	1332.2	1330.2	1328.9	1328.3	1328.3
5°	1330.9	1328.3	1325.6	1318.5	1318.5	1317.1	1313.2	1310.6	1309.3	1306.0	1304.7
7.5°	1325.0	1317.1	1312.6	1308.0	1302.1	1299.5	1294.9	1293.0	1288.4	1285.1	1283.2
10°	1310.6	1305.4	1299.5	1292.3	1287.7	1282.5	1277.3	1273.4	1267.5	1264.2	1261.6
12.5°	1300.8	1293.0	1287.7	1279.9	1272.0	1267.5	1260.3	1255.7	1249.8	1243.3	1239.4
15°	1291.7	1283.2	1276.0	1267.5	1259.0	1253.8	1245.3	1240.0	1231.5	1225.0	1220.4
17.5°	1277.9	1270.7	1262.9	1252.4	1244.6	1238.1	1228.9	1222.4	1214.5	1206.0	1201.4
20°	1263.5	1255.0	1247.2	1236.7	1228.9	1221.1	1211.9	1204.7	1195.6	1187.7	1182.5
22.5°	1244.6	1234.8	1228.2	1217.8	1208.6	1200.2	1191.7	1183.2	1174.7	1168.1	1162.2
25°	1217.1	1206.7	1199.5	1191.0	1182.5	1176.0	1165.5	1160.3	1151.8	1145.9	1140.0
27.5°	1177.9	1170.1	1163.5	1155.0	1147.9	1142.6	1134.8	1129.6	1122.3	1117.1	1112.6
30°	1120.4	1113.9	1108.0	1099.5	1094.3	1089.7	1082.5	1077.9	1072.7	1066.8	1065.5
32.5°	1043.3	1038.0	1032.2	1026.3	1022.3	1019.7	1013.8	1011.2	1006.0	1002.7	999.5
35°	926.9	922.3	919.1	916.5	915.1	915.8	914.5	917.1	918.4	917.8	918.4
37.5°	774.6	772.0	773.3	775.3	781.8	790.3	798.1	809.9	817.7	825.6	832.8
40°	604.7	606.6	611.8	623.6	640.6	659.6	677.2	699.4	721.7	737.4	751.7
42.5°	456.3	462.2	475.2	492.2	517.7	545.8	573.3	605.9	632.8	658.9	677.2
45°	343.2	351.0	368.0	391.6	419.6	452.3	487.0	523.6	555.6	582.4	602.7
47.5°	267.4	274.5	291.6	316.4	351.0	385.0	421.0	458.9	492.2	518.4	536.0
50°	211.1	220.3	235.3	261.5	296.1	332.1	369.3	406.6	438.0	460.2	475.9
52.5°	166.0	174.5	188.9	216.4	251.7	287.6	322.3	358.9	386.3	407.9	418.4
55°	128.8	136.6	151.6	174.5	207.9	243.2	277.8	309.2	334.7	350.4	360.2
57.5°	98.0	103.9	114.4	137.3	167.4	200.0	229.5	260.8	280.4	291.6	298.1
60°	74.5	79.1	90.2	107.9	135.3	163.4	188.3	211.8	227.5	236.6	243.2
62.5°	56.2	61.5	69.3	84.3	105.2	128.1	149.0	166.7	179.8	185.6	190.2
65°	38.6	42.5	48.4	60.1	77.8	94.1	110.5	123.6	132.1	138.6	141.2
67.5°	28.8	31.4	34.7	43.8	56.2	69.3	80.4	89.5	98.7	101.3	105.9
70°	21.6	23.5	26.8	33.3	40.5	49.7	58.8	64.1	70.6	75.2	76.5
72.5°	13.7	14.4	17.7	21.6	27.4	33.3	39.2	43.8	47.7	50.3	51.6
75°	7.9	11.8	11.8	15.7	19.6	22.2	26.2	29.4	31.4	33.3	33.3
77.5°	5.2	7.2	7.9	9.8	11.8	15.0	18.3	20.3	22.2	22.9	22.9
80°	4.6	5.2	5.2	7.2	8.5	11.1	13.1	13.7	15.0	15.7	17.0
82.5°	2.0	2.6	3.3	5.2	5.9	5.9	7.9	8.5	9.8	10.5	10.5
85°	0.6	1.3	1.3	2.0	3.3	3.9	4.6	5.2	5.9	5.9	6.5
87.5°	0.6	0.6	0.0	0.6	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: P246027

CATALOG NUMBER: LD8B30D010 ER8B309730 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7	1338.7
2.5°	1327.0	1327.6	1325.0	1324.4	1323.0	1323.7	1325.0
5°	1302.8	1303.4	1300.8	1298.2	1298.2	1297.5	1298.2
7.5°	1279.9	1280.6	1276.6	1275.3	1272.7	1273.4	1273.4
10°	1257.0	1257.0	1251.1	1250.5	1248.5	1247.9	1247.9
12.5°	1234.8	1232.8	1228.2	1225.6	1227.0	1223.0	1223.0
15°	1215.2	1211.9	1206.0	1204.1	1200.8	1199.5	1199.5
17.5°	1194.9	1192.3	1187.1	1183.2	1179.2	1178.6	1179.2
20°	1175.3	1172.7	1166.1	1163.5	1160.3	1160.3	1159.0
22.5°	1155.7	1153.1	1147.2	1145.2	1140.7	1140.7	1141.3
25°	1135.4	1133.5	1126.9	1125.6	1125.0	1122.3	1123.7
27.5°	1108.0	1106.7	1101.4	1099.5	1096.9	1096.2	1097.5
30°	1057.6	1055.7	1051.8	1049.8	1045.2	1045.9	1047.2
32.5°	994.9	992.3	987.0	985.1	981.2	979.9	980.5
35°	916.5	914.5	909.9	909.9	906.0	904.7	906.0
37.5°	836.7	838.7	836.7	838.7	836.7	836.0	836.7
40°	761.5	768.7	770.0	777.2	774.6	778.5	777.9
42.5°	689.6	701.4	706.0	711.8	710.6	713.2	715.1
45°	617.1	626.9	631.5	635.4	636.0	637.3	638.0
47.5°	548.4	556.3	556.9	561.5	560.9	560.9	562.8
50°	484.4	489.6	490.9	494.2	491.6	490.2	490.9
52.5°	424.9	430.1	428.8	430.1	426.9	425.5	426.2
55°	364.1	366.7	366.7	366.7	362.8	362.8	362.8
57.5°	302.0	302.7	301.3	302.0	301.3	297.4	296.8
60°	245.1	245.1	244.5	245.1	243.2	241.2	241.2
62.5°	191.5	192.8	195.4	192.8	191.5	192.8	190.9
65°	143.2	145.8	145.1	146.4	145.8	145.8	144.5
67.5°	107.9	108.5	109.2	109.8	109.8	109.8	109.8
70°	79.1	81.1	80.4	80.4	80.4	80.4	84.3
72.5°	53.0	55.6	54.9	56.2	56.2	57.5	56.2
75°	35.9	38.6	37.3	39.2	38.6	37.3	40.5
77.5°	24.2	25.5	26.2	26.8	26.2	25.5	26.2
80°	17.0	18.3	17.7	18.3	18.3	18.3	19.0
82.5°	10.5	12.4	11.8	12.4	11.8	12.4	12.4
85°	7.2	7.9	6.5	7.9	7.2	7.2	8.5
87.5°	4.6	3.9	3.9	4.6	3.9	4.6	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)