

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: P245883

Luminaire Tested: **LD8B30D010 ER8B30930 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245883
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 ER8B30930 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2364.2 lumens
Efficiency: N/A
Efficacy: 87.2 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

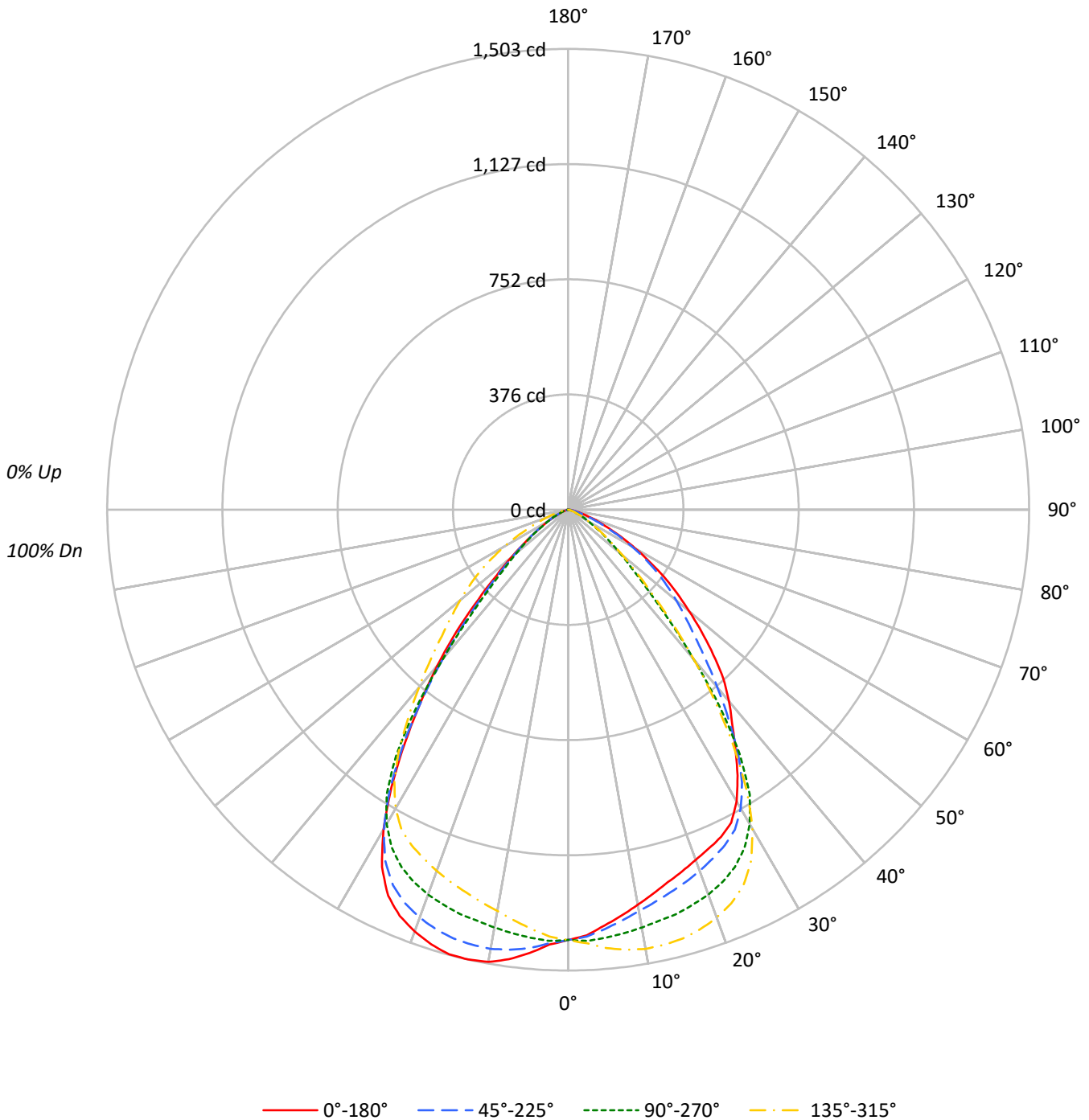
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	133.6	5.7
10°-20°	386.9	16.4
20°-30°	585.8	24.8
30°-40°	587.1	24.8
40°-50°	368.7	15.6
50°-60°	196.5	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°	1106.2	46.8
0°-40°	1693.3	71.6
0°-60°	2258.4	95.5
0°-90°	2364.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2364.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1404	1404	1404	1404	1404	
5°	1361	1402	1452	1402	1361	128
15°	1258	1365	1501	1365	1258	356
25°	1178	1286	1389	1286	1178	540
35°	950	977	927	977	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°	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5
2.5°	1389.1	1387.8	1387.1	1388.5	1389.1	1391.9	1391.2	1392.6	1392.6	1393.3	1394.6
5°	1361.0	1360.3	1361.0	1361.0	1363.8	1366.5	1365.8	1368.0	1369.3	1372.7	1374.1
7.5°	1335.0	1335.0	1334.3	1337.0	1338.5	1342.5	1341.8	1345.3	1347.3	1350.8	1355.5
10°	1308.3	1308.3	1309.0	1311.0	1311.7	1317.8	1317.8	1322.7	1325.4	1328.8	1335.0
12.5°	1282.2	1282.2	1286.3	1285.0	1287.7	1292.5	1294.5	1299.4	1303.5	1310.3	1316.5
15°	1257.5	1257.5	1259.0	1262.4	1264.4	1270.5	1274.0	1279.5	1284.3	1291.2	1300.0
17.5°	1236.4	1235.7	1236.4	1240.4	1244.5	1250.0	1252.7	1259.7	1264.4	1273.3	1281.5
20°	1215.1	1216.5	1216.5	1219.9	1222.6	1229.5	1232.2	1239.7	1245.2	1253.5	1263.0
22.5°	1196.6	1195.9	1195.9	1200.7	1202.7	1208.9	1211.7	1218.5	1224.7	1231.5	1240.4
25°	1178.1	1176.7	1179.4	1180.1	1181.5	1188.4	1190.4	1195.2	1201.4	1207.5	1216.5
27.5°	1150.7	1149.2	1149.9	1152.7	1154.7	1160.2	1161.6	1166.4	1171.2	1176.7	1184.2
30°	1097.9	1096.6	1095.9	1100.6	1102.7	1106.8	1108.9	1117.1	1118.4	1124.6	1130.1
32.5°	1028.0	1027.3	1028.6	1032.8	1034.8	1040.3	1043.1	1047.9	1051.3	1054.7	1060.2
35°	949.8	948.5	949.8	954.0	954.0	958.8	960.8	962.8	962.2	962.8	961.5
37.5°	877.2	876.5	877.2	879.3	877.2	879.3	877.2	873.1	865.5	857.3	849.2
40°	815.5	816.2	812.2	814.9	807.3	806.0	798.4	788.1	773.0	756.6	733.4
42.5°	749.7	747.7	744.9	746.4	740.2	735.4	723.0	710.0	690.8	663.4	635.3
45°	668.9	668.2	666.8	666.1	662.1	657.2	646.9	631.9	610.6	582.6	549.0
47.5°	590.1	588.0	588.0	588.6	583.9	583.3	575.0	562.0	543.5	516.0	481.1
50°	514.7	514.0	515.3	518.1	514.7	513.3	507.8	499.0	482.5	459.2	426.2
52.5°	446.8	446.2	447.5	451.0	449.5	451.0	445.5	438.6	427.7	405.0	376.2
55°	380.4	380.4	380.4	384.5	384.5	384.5	381.7	377.7	367.4	350.9	324.2
57.5°	311.2	311.9	315.9	316.6	315.9	317.4	316.6	312.5	305.7	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	222.1
62.5°	200.1	202.1	200.8	202.1	204.9	202.1	200.8	199.4	194.6	188.4	174.8
65°	151.4	152.8	152.8	153.5	152.1	152.8	150.1	148.1	145.3	138.4	129.6
67.5°	115.1	115.1	115.1	115.1	114.5	113.8	113.1	111.0	106.3	103.5	93.8
70°	88.4	84.3	84.3	84.3	84.3	85.0	83.0	80.2	78.8	74.0	67.1
72.5°	59.0	60.3	59.0	59.0	57.6	58.3	55.5	54.1	52.8	50.0	46.0
75°	42.5	39.1	40.5	41.1	39.1	40.5	37.7	35.0	35.0	32.8	30.8
77.5°	27.5	26.8	27.5	28.1	27.5	26.8	25.3	24.0	24.0	23.3	21.2
80°	19.8	19.2	19.2	19.2	18.5	19.2	17.8	17.8	16.5	15.8	14.3
82.5°	13.0	13.0	12.3	13.0	12.3	13.0	11.0	11.0	11.0	10.3	9.0
85°	9.0	7.5	7.5	8.2	6.8	8.2	7.5	6.8	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°	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5
2.5°	1396.7	1397.3	1397.3	1400.1	1401.5	1402.1	1402.1	1407.6	1405.6	1407.0	1408.3
5°	1376.8	1381.0	1382.3	1382.3	1389.8	1392.6	1395.3	1401.5	1402.1	1406.3	1411.1
7.5°	1357.6	1362.5	1365.2	1371.3	1376.1	1381.0	1389.1	1393.3	1397.3	1402.8	1409.0
10°	1339.1	1344.6	1350.1	1354.8	1362.5	1368.6	1374.1	1383.7	1388.5	1396.0	1404.3
12.5°	1321.3	1328.8	1333.7	1341.8	1350.1	1355.5	1363.8	1372.7	1380.3	1387.8	1397.3
15°	1305.5	1314.5	1320.0	1328.8	1337.8	1345.3	1354.2	1365.2	1370.6	1379.6	1388.5
17.5°	1288.4	1298.0	1304.8	1313.0	1324.0	1332.3	1339.8	1350.8	1357.6	1367.2	1377.5
20°	1270.5	1280.2	1288.4	1296.7	1307.6	1315.8	1324.7	1335.7	1343.2	1352.8	1361.0
22.5°	1249.4	1258.3	1267.2	1276.7	1287.7	1294.5	1304.8	1314.5	1322.7	1331.6	1339.8
25°	1221.9	1232.9	1239.7	1248.7	1257.5	1265.0	1276.0	1285.7	1292.5	1300.7	1308.3
27.5°	1189.7	1198.0	1203.4	1211.0	1219.9	1226.7	1234.9	1244.5	1251.4	1259.0	1264.4
30°	1134.9	1142.4	1147.2	1152.7	1161.6	1167.9	1174.7	1183.6	1188.4	1193.9	1198.7
32.5°	1062.9	1069.1	1071.8	1075.9	1082.1	1088.3	1093.8	1101.3	1103.4	1106.8	1106.8
35°	958.8	960.1	959.5	960.8	963.6	967.0	971.8	976.6	979.3	979.3	977.3
37.5°	836.8	828.5	819.7	812.8	810.7	809.4	812.2	814.2	816.9	818.2	814.9
40°	710.0	691.5	671.6	653.8	641.4	635.9	633.9	635.3	635.3	640.1	640.1
42.5°	601.1	572.3	542.8	516.0	498.2	484.5	478.3	478.3	479.0	482.5	484.5
45°	510.6	474.3	440.0	410.5	385.8	368.0	359.8	357.7	357.0	358.4	363.2
47.5°	441.3	403.7	368.0	331.7	305.7	287.9	280.4	277.6	274.8	277.6	278.2
50°	387.2	348.2	310.5	274.1	246.7	230.9	221.4	217.2	216.6	216.6	217.9
52.5°	337.9	301.5	263.9	226.9	198.1	182.9	174.1	172.0	169.3	172.0	172.0
55°	291.2	254.9	217.9	182.9	159.0	143.3	135.0	132.3	130.9	133.0	133.0
57.5°	240.6	209.7	175.4	143.9	119.9	109.0	102.8	99.4	98.6	100.1	98.6
60°	197.4	171.3	141.8	113.1	94.6	83.0	78.1	76.8	75.3	76.8	76.8
62.5°	156.3	134.3	110.3	88.4	72.6	64.5	59.0	59.0	58.3	58.3	59.0
65°	115.8	98.6	81.5	63.0	50.7	44.5	40.5	40.5	39.8	40.5	39.8
67.5°	84.3	72.6	59.0	46.0	36.3	32.8	30.2	28.1	29.5	28.1	27.5
70°	61.7	52.1	42.5	35.0	28.1	24.7	22.6	22.0	20.5	20.5	20.5
72.5°	41.1	35.0	28.8	22.6	18.5	15.0	14.3	13.0	11.7	12.3	13.7
75°	27.5	23.3	20.5	16.5	12.3	12.3	8.2	8.2	6.8	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	11.7	9.0	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	2.0	2.7	1.3	1.3	1.3
85°	4.8	4.1	3.4	2.0	1.3	1.3	0.7	0.0	0.7	0.7	0.0
87.5°	2.7	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°	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5
2.5°	1411.8	1411.1	1412.5	1412.5	1416.6	1415.8	1418.0	1418.0	1416.6	1417.3	1420.0
5°	1416.6	1418.6	1422.8	1426.1	1432.3	1435.1	1438.5	1441.9	1442.6	1444.6	1446.8
7.5°	1416.6	1423.4	1428.3	1434.4	1442.6	1447.4	1454.9	1461.1	1463.8	1467.3	1471.4
10°	1413.8	1420.6	1429.6	1436.4	1446.8	1454.3	1461.8	1471.4	1475.5	1481.0	1486.4
12.5°	1408.3	1415.8	1425.5	1434.4	1446.0	1452.9	1462.5	1471.4	1477.6	1485.1	1491.3
15°	1400.1	1409.0	1418.0	1426.8	1439.1	1447.4	1456.3	1466.6	1472.8	1481.0	1486.4
17.5°	1387.1	1396.7	1404.9	1413.1	1424.8	1434.4	1442.6	1452.3	1458.4	1465.3	1472.8
20°	1371.3	1380.3	1389.1	1396.0	1407.6	1415.8	1424.8	1433.6	1438.5	1439.9	1451.6
22.5°	1351.5	1357.6	1364.5	1375.5	1382.3	1389.8	1398.1	1406.3	1411.1	1418.6	1422.8
25°	1318.5	1324.7	1332.3	1337.0	1345.3	1351.5	1359.7	1368.6	1371.3	1376.8	1381.0
27.5°	1272.7	1276.0	1279.5	1283.7	1288.4	1291.8	1296.7	1300.7	1303.5	1306.2	1309.0
30°	1200.0	1200.0	1200.0	1197.2	1199.4	1201.4	1202.0	1201.4	1201.4	1200.7	1200.7
32.5°	1104.1	1098.6	1092.4	1086.9	1084.9	1082.1	1080.8	1078.7	1075.3	1073.2	1073.9
35°	974.5	962.2	954.6	947.8	942.3	938.2	936.1	934.1	933.5	930.7	928.0
37.5°	812.8	803.9	798.4	794.3	789.5	785.4	786.0	786.7	788.8	787.4	788.1
40°	641.4	639.4	641.4	636.6	635.3	636.6	640.1	644.9	647.6	650.4	655.2
42.5°	488.0	491.3	496.2	496.2	498.2	501.0	505.1	512.6	516.7	521.5	527.0
45°	367.4	371.5	377.7	379.7	381.0	384.5	389.3	395.4	398.2	402.3	407.0
47.5°	283.1	285.7	289.2	292.6	296.1	297.4	302.2	302.2	305.7	308.4	309.7
50°	220.7	223.4	226.1	228.2	229.6	231.6	233.1	235.1	235.7	237.1	237.8
52.5°	172.7	176.1	176.1	177.5	179.6	181.6	180.9	181.6	182.3	182.3	184.3
55°	135.0	135.0	137.1	137.1	138.4	137.8	138.4	138.4	138.4	138.4	139.1
57.5°	100.8	101.5	103.5	102.1	101.5	102.8	101.5	102.8	102.1	103.5	101.5
60°	77.5	77.5	78.1	78.1	78.8	78.8	78.8	78.1	78.1	77.5	77.5
62.5°	58.3	59.0	59.6	59.0	59.0	59.0	58.3	58.3	57.6	56.8	56.8
65°	39.1	38.3	39.8	38.3	39.1	39.1	38.3	39.1	37.0	37.7	37.0
67.5°	28.1	27.5	26.8	27.5	26.8	26.0	26.0	26.8	27.5	25.3	25.3
70°	18.5	19.2	18.5	19.2	19.8	19.8	19.2	18.5	19.2	17.8	18.5
72.5°	11.7	11.7	11.7	11.7	11.7	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	6.8	6.8	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	2.0	2.7	2.7	3.4	2.7	2.7	2.0	3.4
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



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CATALOG NUMBER: LD8B30D010 ER8B30930 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5
2.5°	1419.3	1418.6	1419.3	1420.0	1419.3	1418.6	1419.3	1420.0	1417.3	1416.6	1418.0
5°	1449.5	1449.5	1450.8	1451.6	1450.8	1449.5	1449.5	1446.8	1444.6	1442.6	1441.9
7.5°	1475.5	1476.9	1478.3	1478.9	1478.3	1476.9	1475.5	1471.4	1467.3	1463.8	1461.1
10°	1491.3	1493.3	1496.1	1497.4	1496.1	1493.3	1491.3	1486.4	1481.0	1475.5	1471.4
12.5°	1498.1	1500.2	1503.6	1502.9	1503.6	1500.2	1498.1	1491.3	1485.1	1477.6	1471.4
15°	1493.3	1496.1	1499.4	1500.9	1499.4	1496.1	1493.3	1486.4	1481.0	1472.8	1466.6
17.5°	1478.3	1482.4	1484.4	1486.4	1484.4	1482.4	1478.3	1472.8	1465.3	1458.4	1452.3
20°	1457.6	1460.4	1463.1	1463.8	1463.1	1460.4	1457.6	1451.6	1439.9	1438.5	1433.6
22.5°	1428.3	1430.3	1436.4	1434.4	1436.4	1430.3	1428.3	1422.8	1418.6	1411.1	1406.3
25°	1385.7	1387.8	1388.5	1389.1	1388.5	1387.8	1385.7	1381.0	1376.8	1371.3	1368.6
27.5°	1312.4	1312.4	1313.8	1314.5	1313.8	1312.4	1312.4	1309.0	1306.2	1303.5	1300.7
30°	1201.4	1201.4	1201.4	1204.9	1201.4	1201.4	1201.4	1200.7	1200.7	1201.4	1201.4
32.5°	1073.2	1071.8	1070.4	1071.8	1070.4	1071.8	1073.2	1073.9	1073.2	1075.3	1078.7
35°	928.0	927.3	929.3	926.6	929.3	927.3	928.0	928.0	930.7	933.5	934.1
37.5°	788.8	787.4	790.2	787.4	790.2	787.4	788.8	788.1	787.4	788.8	786.7
40°	656.6	657.9	657.9	663.4	657.9	657.9	656.6	655.2	650.4	647.6	644.9
42.5°	529.8	533.8	532.5	536.6	532.5	533.8	529.8	527.0	521.5	516.7	512.6
45°	409.8	412.5	412.5	414.0	412.5	412.5	409.8	407.0	402.3	398.2	395.4
47.5°	314.6	314.6	314.6	315.2	314.6	314.6	314.6	309.7	308.4	305.7	302.2
50°	239.2	239.9	240.6	241.2	240.6	239.9	239.2	237.8	237.1	235.7	235.1
52.5°	183.6	184.3	182.9	184.3	182.9	184.3	183.6	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	100.8	100.8	100.8	100.8	100.8	102.1	101.5	103.5	102.1	102.8
60°	76.1	76.8	76.8	77.5	76.8	76.8	76.1	77.5	77.5	78.1	78.1
62.5°	56.2	58.3	56.8	58.3	56.8	58.3	56.2	56.8	56.8	57.6	58.3
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	25.3	26.8	26.0	26.8	25.3	24.7	25.3	25.3	27.5	26.8
70°	19.8	17.8	17.8	19.8	17.8	17.8	19.8	18.5	17.8	19.2	18.5
72.5°	11.7	10.3	11.7	11.7	11.7	10.3	11.7	10.3	11.0	11.0	12.3
75°	6.2	5.5	4.8	6.8	4.8	5.5	6.2	6.2	6.2	6.2	6.8
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°	2.0	2.7	2.0	3.4	2.0	2.7	2.0	3.4	2.0	2.7	2.7
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: P245883

CATALOG NUMBER: LD8B30D010 ER8B30930 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5
2.5°	1418.0	1415.8	1416.6	1412.5	1412.5	1411.1	1411.8	1408.3	1407.0	1405.6	1407.6
5°	1438.5	1435.1	1432.3	1426.1	1422.8	1418.6	1416.6	1411.1	1406.3	1402.1	1401.5
7.5°	1454.9	1447.4	1442.6	1434.4	1428.3	1423.4	1416.6	1409.0	1402.8	1397.3	1393.3
10°	1461.8	1454.3	1446.8	1436.4	1429.6	1420.6	1413.8	1404.3	1396.0	1388.5	1383.7
12.5°	1462.5	1452.9	1446.0	1434.4	1425.5	1415.8	1408.3	1397.3	1387.8	1380.3	1372.7
15°	1456.3	1447.4	1439.1	1426.8	1418.0	1409.0	1400.1	1388.5	1379.6	1370.6	1365.2
17.5°	1442.6	1434.4	1424.8	1413.1	1404.9	1396.7	1387.1	1377.5	1367.2	1357.6	1350.8
20°	1424.8	1415.8	1407.6	1396.0	1389.1	1380.3	1371.3	1361.0	1352.8	1343.2	1335.7
22.5°	1398.1	1389.8	1382.3	1375.5	1364.5	1357.6	1351.5	1339.8	1331.6	1322.7	1314.5
25°	1359.7	1351.5	1345.3	1337.0	1332.3	1324.7	1318.5	1308.3	1300.7	1292.5	1285.7
27.5°	1296.7	1291.8	1288.4	1283.7	1279.5	1276.0	1272.7	1264.4	1259.0	1251.4	1244.5
30°	1202.0	1201.4	1199.4	1197.2	1200.0	1200.0	1200.0	1198.7	1193.9	1188.4	1183.6
32.5°	1080.8	1082.1	1084.9	1086.9	1092.4	1098.6	1104.1	1106.8	1106.8	1103.4	1101.3
35°	936.1	938.2	942.3	947.8	954.6	962.2	974.5	977.3	979.3	979.3	976.6
37.5°	786.0	785.4	789.5	794.3	798.4	803.9	812.8	814.9	818.2	816.9	814.2
40°	640.1	636.6	635.3	636.6	641.4	639.4	641.4	640.1	640.1	635.3	635.3
42.5°	505.1	501.0	498.2	496.2	496.2	491.3	488.0	484.5	482.5	479.0	478.3
45°	389.3	384.5	381.0	379.7	377.7	371.5	367.4	363.2	358.4	357.0	357.7
47.5°	302.2	297.4	296.1	292.6	289.2	285.7	283.1	278.2	277.6	274.8	277.6
50°	233.1	231.6	229.6	228.2	226.1	223.4	220.7	217.9	216.6	216.6	217.2
52.5°	180.9	181.6	179.6	177.5	176.1	176.1	172.7	172.0	172.0	169.3	172.0
55°	138.4	137.8	138.4	137.1	137.1	135.0	135.0	133.0	133.0	130.9	132.3
57.5°	101.5	102.8	101.5	102.1	103.5	101.5	100.8	98.6	100.1	98.6	99.4
60°	78.8	78.8	78.8	78.1	78.1	77.5	77.5	76.8	76.8	75.3	76.8
62.5°	58.3	59.0	59.0	59.0	59.6	59.0	58.3	59.0	58.3	58.3	59.0
65°	38.3	39.1	39.1	38.3	39.8	38.3	39.1	39.8	40.5	39.8	40.5
67.5°	26.0	26.0	26.8	27.5	26.8	27.5	28.1	27.5	28.1	29.5	28.1
70°	19.2	19.8	19.8	19.2	18.5	19.2	18.5	20.5	20.5	20.5	22.0
72.5°	12.3	12.3	11.7	11.7	11.7	11.7	11.7	13.7	12.3	11.7	13.0
75°	6.8	7.5	7.5	5.5	6.2	7.5	5.5	6.2	8.2	6.8	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	2.0	2.7	2.7	2.7	4.1	3.4	3.4	4.1
82.5°	1.3	1.3	0.7	0.0	1.3	1.3	1.3	1.3	1.3	1.3	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	1.3	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: P245883

CATALOG NUMBER: LD8B30D010 ER8B30930 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5
2.5°	1402.1	1402.1	1401.5	1400.1	1397.3	1397.3	1396.7	1394.6	1393.3	1392.6	1392.6
5°	1395.3	1392.6	1389.8	1382.3	1382.3	1381.0	1376.8	1374.1	1372.7	1369.3	1368.0
7.5°	1389.1	1381.0	1376.1	1371.3	1365.2	1362.5	1357.6	1355.5	1350.8	1347.3	1345.3
10°	1374.1	1368.6	1362.5	1354.8	1350.1	1344.6	1339.1	1335.0	1328.8	1325.4	1322.7
12.5°	1363.8	1355.5	1350.1	1341.8	1333.7	1328.8	1321.3	1316.5	1310.3	1303.5	1299.4
15°	1354.2	1345.3	1337.8	1328.8	1320.0	1314.5	1305.5	1300.0	1291.2	1284.3	1279.5
17.5°	1339.8	1332.3	1324.0	1313.0	1304.8	1298.0	1288.4	1281.5	1273.3	1264.4	1259.7
20°	1324.7	1315.8	1307.6	1296.7	1288.4	1280.2	1270.5	1263.0	1253.5	1245.2	1239.7
22.5°	1304.8	1294.5	1287.7	1276.7	1267.2	1258.3	1249.4	1240.4	1231.5	1224.7	1218.5
25°	1276.0	1265.0	1257.5	1248.7	1239.7	1232.9	1221.9	1216.5	1207.5	1201.4	1195.2
27.5°	1234.9	1226.7	1219.9	1211.0	1203.4	1198.0	1189.7	1184.2	1176.7	1171.2	1166.4
30°	1174.7	1167.9	1161.6	1152.7	1147.2	1142.4	1134.9	1130.1	1124.6	1118.4	1117.1
32.5°	1093.8	1088.3	1082.1	1075.9	1071.8	1069.1	1062.9	1060.2	1054.7	1051.3	1047.9
35°	971.8	967.0	963.6	960.8	959.5	960.1	958.8	961.5	962.8	962.2	962.8
37.5°	812.2	809.4	810.7	812.8	819.7	828.5	836.8	849.2	857.3	865.5	873.1
40°	633.9	635.9	641.4	653.8	671.6	691.5	710.0	733.4	756.6	773.0	788.1
42.5°	478.3	484.5	498.2	516.0	542.8	572.3	601.1	635.3	663.4	690.8	710.0
45°	359.8	368.0	385.8	410.5	440.0	474.3	510.6	549.0	582.6	610.6	631.9
47.5°	280.4	287.9	305.7	331.7	368.0	403.7	441.3	481.1	516.0	543.5	562.0
50°	221.4	230.9	246.7	274.1	310.5	348.2	387.2	426.2	459.2	482.5	499.0
52.5°	174.1	182.9	198.1	226.9	263.9	301.5	337.9	376.2	405.0	427.7	438.6
55°	135.0	143.3	159.0	182.9	217.9	254.9	291.2	324.2	350.9	367.4	377.7
57.5°	102.8	109.0	119.9	143.9	175.4	209.7	240.6	273.4	294.0	305.7	312.5
60°	78.1	83.0	94.6	113.1	141.8	171.3	197.4	222.1	238.5	248.1	254.9
62.5°	59.0	64.5	72.6	88.4	110.3	134.3	156.3	174.8	188.4	194.6	199.4
65°	40.5	44.5	50.7	63.0	81.5	98.6	115.8	129.6	138.4	145.3	148.1
67.5°	30.2	32.8	36.3	46.0	59.0	72.6	84.3	93.8	103.5	106.3	111.0
70°	22.6	24.7	28.1	35.0	42.5	52.1	61.7	67.1	74.0	78.8	80.2
72.5°	14.3	15.0	18.5	22.6	28.8	35.0	41.1	46.0	50.0	52.8	54.1
75°	8.2	12.3	12.3	16.5	20.5	23.3	27.5	30.8	32.8	35.0	35.0
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	9.0	11.7	13.7	14.3	15.8	16.5	17.8
82.5°	2.0	2.7	3.4	5.5	6.2	6.2	8.2	9.0	10.3	11.0	11.0
85°	0.7	1.3	1.3	2.0	3.4	4.1	4.8	5.5	6.2	6.2	6.8
87.5°	0.7	0.7	0.0	0.7	1.3	1.3	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: P245883

CATALOG NUMBER: LD8B30D010 ER8B30930 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5
2.5°	1391.2	1391.9	1389.1	1388.5	1387.1	1387.8	1389.1
5°	1365.8	1366.5	1363.8	1361.0	1361.0	1360.3	1361.0
7.5°	1341.8	1342.5	1338.5	1337.0	1334.3	1335.0	1335.0
10°	1317.8	1317.8	1311.7	1311.0	1309.0	1308.3	1308.3
12.5°	1294.5	1292.5	1287.7	1285.0	1286.3	1282.2	1282.2
15°	1274.0	1270.5	1264.4	1262.4	1259.0	1257.5	1257.5
17.5°	1252.7	1250.0	1244.5	1240.4	1236.4	1235.7	1236.4
20°	1232.2	1229.5	1222.6	1219.9	1216.5	1216.5	1215.1
22.5°	1211.7	1208.9	1202.7	1200.7	1195.9	1195.9	1196.6
25°	1190.4	1188.4	1181.5	1180.1	1179.4	1176.7	1178.1
27.5°	1161.6	1160.2	1154.7	1152.7	1149.9	1149.2	1150.7
30°	1108.9	1106.8	1102.7	1100.6	1095.9	1096.6	1097.9
32.5°	1043.1	1040.3	1034.8	1032.8	1028.6	1027.3	1028.0
35°	960.8	958.8	954.0	954.0	949.8	948.5	949.8
37.5°	877.2	879.3	877.2	879.3	877.2	876.5	877.2
40°	798.4	806.0	807.3	814.9	812.2	816.2	815.5
42.5°	723.0	735.4	740.2	746.4	744.9	747.7	749.7
45°	646.9	657.2	662.1	666.1	666.8	668.2	668.9
47.5°	575.0	583.3	583.9	588.6	588.0	588.0	590.1
50°	507.8	513.3	514.7	518.1	515.3	514.0	514.7
52.5°	445.5	451.0	449.5	451.0	447.5	446.2	446.8
55°	381.7	384.5	384.5	384.5	380.4	380.4	380.4
57.5°	316.6	317.4	315.9	316.6	315.9	311.9	311.2
60°	257.0	257.0	256.3	257.0	254.9	252.9	252.9
62.5°	200.8	202.1	204.9	202.1	200.8	202.1	200.1
65°	150.1	152.8	152.1	153.5	152.8	152.8	151.4
67.5°	113.1	113.8	114.5	115.1	115.1	115.1	115.1
70°	83.0	85.0	84.3	84.3	84.3	84.3	88.4
72.5°	55.5	58.3	57.6	59.0	59.0	60.3	59.0
75°	37.7	40.5	39.1	41.1	40.5	39.1	42.5
77.5°	25.3	26.8	27.5	28.1	27.5	26.8	27.5
80°	17.8	19.2	18.5	19.2	19.2	19.2	19.8
82.5°	11.0	13.0	12.3	13.0	12.3	13.0	13.0
85°	7.5	8.2	6.8	8.2	7.5	7.5	9.0
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)