

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: P245859

Luminaire Tested: **LD8B30D010 ER8B30935 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245859
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 ER8B30935 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 3500 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2441.0 lumens
Efficiency: N/A
Efficacy: 90.1 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

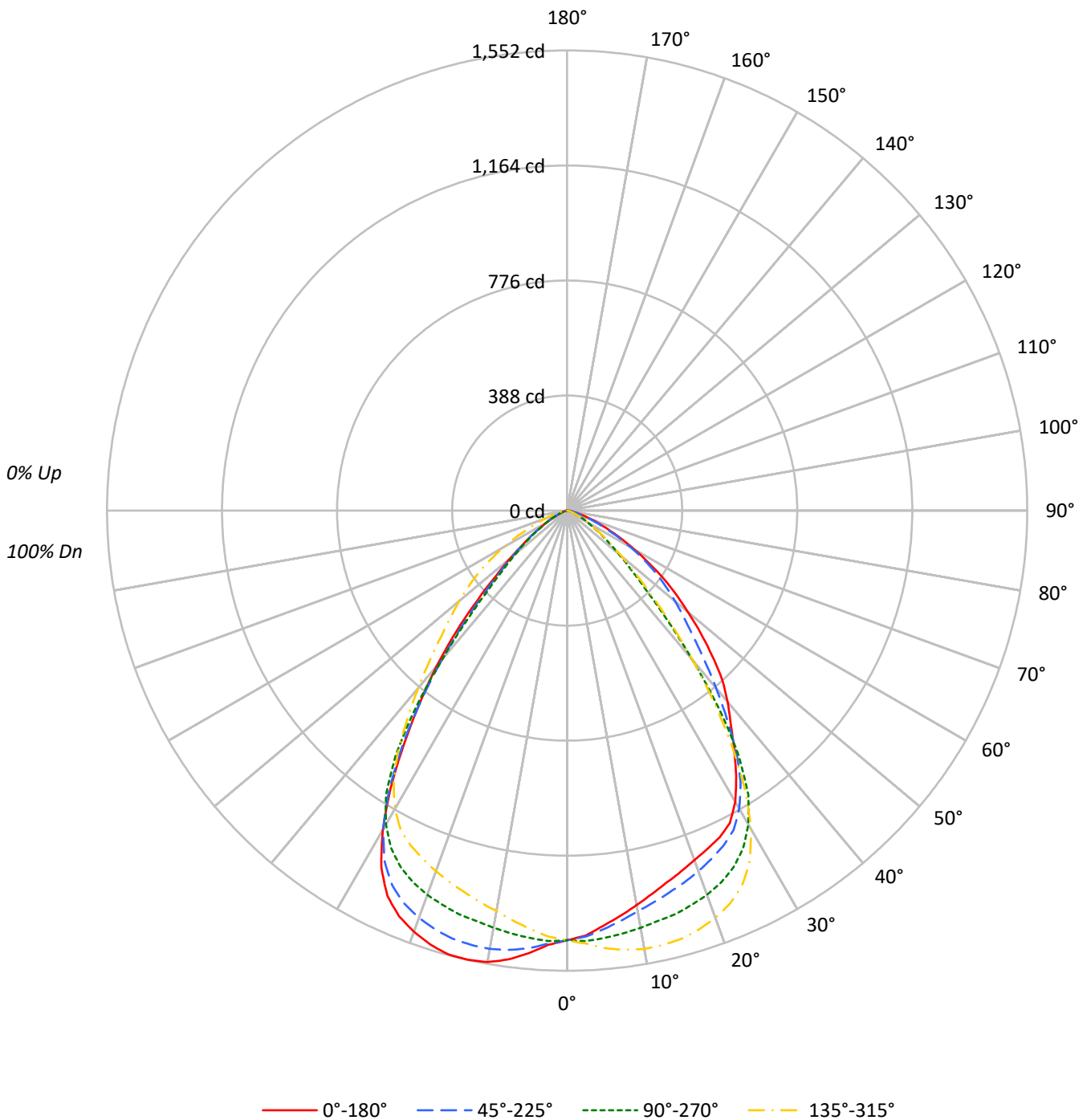
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90					90			
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81					81			
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72					72			
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65					65			
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58					58			
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53					53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48					48			
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44					44			
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40					40			
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37					37			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	44685	44685	44685	44685
5°	43500	44791	46391	44791
10°	42296	44732	48412	44732
15°	41450	44997	49470	44997
20°	41170	45256	49597	45256
25°	41384	45164	48801	45164
30°	40360	43511	44295	43511
35°	36918	37957	36014	37957
40°	33894	26403	27574	26403
45°	30116	16109	18639	16109
50°	25493	10760	11950	10760
55°	21112	7344	7758	7344
60°	16103	4884	4928	4884
65°	11412	3043	2787	3043
70°	8232	2038	1848	2038
75°	5230	1013	846	1013
80°	3640	764	622	764
85°	3255	0	248	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.9	5.7
10°-20°	399.4	16.4
20°-30°	604.8	24.8
30°-40°	606.2	24.8
40°-50°	380.6	15.6
50°-60°	202.8	8.3
60°-70°	83.4	3.4
70°-80°	22.0	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°	1142.2	46.8
0°-40°	1748.3	71.6
0°-60°	2331.8	95.5
0°-90°	2441.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2441.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1449	1449	1449	1449	1449	
5°	1405	1447	1499	1447	1405	133
15°	1298	1410	1550	1410	1298	367
25°	1216	1327	1434	1327	1216	558
35°	981	1008	957	1008	981	614
45°	691	369	427	369	691	531
55°	393	137	144	137	393	350
65°	156	42	38	42	156	162
75°	44	8	7	8	44	50
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°	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1
2.5°	1434.3	1432.9	1432.2	1433.6	1434.3	1437.1	1436.4	1437.8	1437.8	1438.5	1439.9
5°	1405.3	1404.6	1405.3	1405.3	1408.1	1410.9	1410.2	1412.4	1413.8	1417.3	1418.7
7.5°	1378.4	1378.4	1377.7	1380.5	1381.9	1386.2	1385.4	1389.0	1391.1	1394.7	1399.6
10°	1350.8	1350.8	1351.5	1353.6	1354.3	1360.7	1360.7	1365.6	1368.5	1372.0	1378.4
12.5°	1323.9	1323.9	1328.2	1326.7	1329.6	1334.5	1336.6	1341.6	1345.8	1352.9	1359.3
15°	1298.4	1298.4	1299.8	1303.4	1305.5	1311.9	1315.4	1321.1	1326.0	1333.1	1342.3
17.5°	1276.5	1275.8	1276.5	1280.7	1285.0	1290.6	1293.5	1300.5	1305.5	1314.7	1323.2
20°	1254.6	1256.0	1256.0	1259.5	1262.3	1269.4	1272.2	1280.0	1285.7	1294.2	1304.1
22.5°	1235.5	1234.8	1234.8	1239.7	1241.8	1248.2	1251.0	1258.1	1264.5	1271.5	1280.7
25°	1216.3	1214.9	1217.8	1218.5	1219.9	1226.9	1229.1	1234.0	1240.4	1246.8	1256.0
27.5°	1188.0	1186.6	1187.3	1190.2	1192.3	1197.9	1199.4	1204.3	1209.3	1214.9	1222.7
30°	1133.5	1132.1	1131.4	1136.4	1138.5	1142.7	1144.9	1153.4	1154.8	1161.2	1166.8
32.5°	1061.4	1060.7	1062.1	1066.3	1068.5	1074.1	1077.0	1081.9	1085.4	1089.0	1094.6
35°	980.7	979.3	980.7	985.0	985.0	989.9	992.1	994.2	993.5	994.2	992.8
37.5°	905.7	905.0	905.7	907.8	905.7	907.8	905.7	901.5	893.7	885.2	876.7
40°	842.0	842.7	838.5	841.3	833.5	832.1	824.4	813.7	798.2	781.2	757.1
42.5°	774.1	772.0	769.2	770.6	764.2	759.2	746.5	733.1	713.2	685.0	655.9
45°	690.6	689.9	688.5	687.8	683.5	678.6	668.0	652.4	630.5	601.5	566.8
47.5°	609.2	607.1	607.1	607.8	602.9	602.2	593.7	580.2	561.1	532.8	496.7
50°	531.4	530.7	532.1	534.9	531.4	530.0	524.3	515.1	498.2	474.1	440.1
52.5°	461.3	460.6	462.1	465.6	464.2	465.6	459.9	452.9	441.5	418.2	388.5
55°	392.7	392.7	392.7	396.9	396.9	396.9	394.1	389.9	379.3	362.3	334.7
57.5°	321.2	321.9	326.2	326.9	326.2	327.6	326.9	322.6	315.6	303.6	282.3
60°	261.1	261.1	263.2	265.4	264.6	265.4	265.4	263.2	256.2	246.3	229.3
62.5°	206.6	208.7	207.3	208.7	211.6	208.7	207.3	205.9	201.0	194.6	180.4
65°	156.4	157.8	157.8	158.5	157.1	157.8	155.0	152.8	150.0	142.9	133.7
67.5°	118.9	118.9	118.9	118.9	118.2	117.5	116.8	114.6	109.7	106.9	96.9
70°	91.3	87.0	87.0	87.0	87.0	87.8	85.6	82.8	81.4	76.4	69.3
72.5°	60.8	62.3	60.8	60.8	59.4	60.1	57.3	55.9	54.5	51.7	47.4
75°	43.9	40.3	41.7	42.5	40.3	41.7	38.9	36.1	36.1	34.0	31.8
77.5°	28.3	27.6	28.3	29.0	28.3	27.6	26.2	24.8	24.8	24.1	21.9
80°	20.5	19.8	19.8	19.8	19.1	19.8	18.4	18.4	17.0	16.3	14.9
82.5°	13.5	13.5	12.7	13.5	12.7	13.5	11.3	11.3	11.3	10.6	9.2
85°	9.2	7.8	7.8	8.5	7.1	8.5	7.8	7.1	6.4	6.4	5.7
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°	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1
2.5°	1442.1	1442.8	1442.8	1445.6	1447.0	1447.7	1447.7	1453.4	1451.3	1452.7	1454.1
5°	1421.6	1425.8	1427.2	1427.2	1435.0	1437.8	1440.6	1447.0	1447.7	1452.0	1456.9
7.5°	1401.7	1406.7	1409.5	1415.9	1420.8	1425.8	1434.3	1438.5	1442.8	1448.4	1454.8
10°	1382.6	1388.3	1394.0	1398.9	1406.7	1413.1	1418.7	1428.6	1433.6	1441.4	1449.8
12.5°	1364.2	1372.0	1377.0	1385.4	1394.0	1399.6	1408.1	1417.3	1425.1	1432.9	1442.8
15°	1348.0	1357.2	1362.8	1372.0	1381.2	1389.0	1398.2	1409.5	1415.2	1424.4	1433.6
17.5°	1330.3	1340.2	1347.3	1355.7	1367.1	1375.5	1383.4	1394.7	1401.7	1411.6	1422.3
20°	1311.9	1321.8	1330.3	1338.8	1350.1	1358.6	1367.8	1379.1	1386.9	1396.8	1405.3
22.5°	1289.9	1299.2	1308.3	1318.2	1329.6	1336.6	1347.3	1357.2	1365.6	1374.8	1383.4
25°	1261.6	1273.0	1280.0	1289.2	1298.4	1306.2	1317.5	1327.4	1334.5	1343.0	1350.8
27.5°	1228.4	1236.9	1242.5	1250.3	1259.5	1266.6	1275.1	1285.0	1292.1	1299.8	1305.5
30°	1171.8	1179.6	1184.5	1190.2	1199.4	1205.7	1212.8	1222.0	1226.9	1232.6	1237.6
32.5°	1097.5	1103.8	1106.7	1110.9	1117.3	1123.6	1129.3	1137.1	1139.2	1142.7	1142.7
35°	989.9	991.3	990.6	992.1	994.9	998.4	1003.4	1008.3	1011.1	1011.1	1009.0
37.5°	864.0	855.5	846.3	839.2	837.1	835.7	838.5	840.6	843.5	844.9	841.3
40°	733.1	714.0	693.4	675.0	662.3	656.7	654.5	655.9	655.9	660.9	660.9
42.5°	620.6	590.8	560.4	532.8	514.4	500.3	493.9	493.9	494.6	498.2	500.3
45°	527.2	489.6	454.3	423.9	398.4	380.0	371.5	369.4	368.7	370.1	375.0
47.5°	455.7	416.8	380.0	342.5	315.6	297.2	289.4	286.6	283.7	286.6	287.3
50°	399.8	359.5	320.5	283.0	254.7	238.4	228.5	224.3	223.6	223.6	225.0
52.5°	348.8	311.3	272.4	234.2	204.5	188.9	179.7	177.6	174.8	177.6	177.6
55°	300.7	263.2	225.0	188.9	164.1	147.9	139.4	136.6	135.1	137.3	137.3
57.5°	248.4	216.5	181.2	148.6	123.8	112.5	106.1	102.6	101.9	103.3	101.9
60°	203.8	176.9	146.5	116.8	97.7	85.6	80.7	79.2	77.8	79.2	79.2
62.5°	161.3	138.7	113.9	91.3	75.0	66.5	60.8	60.8	60.1	60.1	60.8
65°	119.6	101.9	84.2	65.1	52.4	46.0	41.7	41.7	41.0	41.7	41.0
67.5°	87.0	75.0	60.8	47.4	37.5	34.0	31.1	29.0	30.4	29.0	28.3
70°	63.7	53.8	43.9	36.1	29.0	25.5	23.4	22.6	21.2	21.2	21.2
72.5°	42.5	36.1	29.7	23.4	19.1	15.6	14.9	13.5	12.0	12.7	14.2
75°	28.3	24.1	21.2	17.0	12.7	12.7	8.5	8.5	7.1	8.5	6.4
77.5°	19.8	16.3	12.7	10.6	8.5	7.8	5.7	5.7	5.0	5.0	5.0
80°	14.2	12.0	9.2	7.8	5.7	5.7	5.0	4.3	3.5	3.5	4.3
82.5°	8.5	6.4	6.4	5.7	3.5	2.8	2.1	2.8	1.4	1.4	1.4
85°	5.0	4.3	3.5	2.1	1.4	1.4	0.7	0.0	0.7	0.7	0.0
87.5°	2.8	1.4	1.4	0.7	0.0	0.7	0.7	0.0	0.0	0.0	1.4
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°	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1
2.5°	1457.6	1456.9	1458.3	1458.3	1462.6	1461.9	1464.0	1464.0	1462.6	1463.3	1466.1
5°	1462.6	1464.7	1468.9	1472.5	1478.9	1481.7	1485.2	1488.8	1489.5	1491.6	1493.7
7.5°	1462.6	1469.7	1474.6	1481.0	1489.5	1494.4	1502.2	1508.6	1511.4	1514.9	1519.2
10°	1459.7	1466.8	1476.0	1483.1	1493.7	1501.5	1509.3	1519.2	1523.4	1529.1	1534.8
12.5°	1454.1	1461.9	1471.8	1481.0	1493.0	1500.1	1510.0	1519.2	1525.6	1533.3	1539.7
15°	1445.6	1454.8	1464.0	1473.2	1485.9	1494.4	1503.6	1514.2	1520.6	1529.1	1534.8
17.5°	1432.2	1442.1	1450.6	1459.0	1471.1	1481.0	1489.5	1499.4	1505.8	1512.8	1520.6
20°	1415.9	1425.1	1434.3	1441.4	1453.4	1461.9	1471.1	1480.3	1485.2	1486.7	1498.7
22.5°	1395.4	1401.7	1408.8	1420.1	1427.2	1435.0	1443.5	1452.0	1456.9	1464.7	1468.9
25°	1361.4	1367.8	1375.5	1380.5	1389.0	1395.4	1403.9	1413.1	1415.9	1421.6	1425.8
27.5°	1314.0	1317.5	1321.1	1325.3	1330.3	1333.8	1338.8	1343.0	1345.8	1348.7	1351.5
30°	1239.0	1239.0	1239.0	1236.2	1238.3	1240.4	1241.1	1240.4	1240.4	1239.7	1239.7
32.5°	1139.9	1134.3	1127.9	1122.2	1120.1	1117.3	1115.9	1113.7	1110.2	1108.1	1108.8
35°	1006.2	993.5	985.7	978.6	973.0	968.7	966.6	964.4	963.7	960.9	958.1
37.5°	839.2	830.0	824.4	820.1	815.2	810.9	811.6	812.3	814.4	813.0	813.7
40°	662.3	660.2	662.3	657.4	655.9	657.4	660.9	665.9	668.7	671.5	676.5
42.5°	503.8	507.3	512.3	512.3	514.4	517.3	521.5	529.3	533.5	538.5	544.1
45°	379.3	383.5	389.9	392.0	393.4	396.9	401.9	408.3	411.1	415.4	420.3
47.5°	292.2	295.1	298.6	302.1	305.7	307.1	312.0	312.0	315.6	318.4	319.8
50°	227.8	230.7	233.5	235.6	237.0	239.2	240.6	242.7	243.4	244.8	245.5
52.5°	178.3	181.9	181.9	183.3	185.4	187.5	186.8	187.5	188.2	188.2	190.3
55°	139.4	139.4	141.5	141.5	142.9	142.2	142.9	142.9	142.9	142.9	143.6
57.5°	104.0	104.7	106.9	105.4	104.7	106.1	104.7	106.1	105.4	106.9	104.7
60°	79.9	79.9	80.7	80.7	81.4	81.4	81.4	80.7	80.7	79.9	79.9
62.5°	60.1	60.8	61.6	60.8	60.8	60.8	60.1	60.1	59.4	58.7	58.7
65°	40.3	39.6	41.0	39.6	40.3	40.3	39.6	40.3	38.2	38.9	38.2
67.5°	29.0	28.3	27.6	28.3	27.6	26.9	26.9	27.6	28.3	26.2	26.2
70°	19.1	19.8	19.1	19.8	20.5	20.5	19.8	19.1	19.8	18.4	19.1
72.5°	12.0	12.0	12.0	12.0	12.0	12.7	12.7	12.7	11.3	11.3	10.6
75°	5.7	7.8	6.4	5.7	7.8	7.8	7.1	7.1	6.4	6.4	6.4
77.5°	5.7	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°	1.4	1.4	1.4	0.0	0.7	1.4	1.4	0.7	1.4	1.4	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: P245859

CATALOG NUMBER: LD8B30D010 ER8B30935 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1
2.5°	1465.4	1464.7	1465.4	1466.1	1465.4	1464.7	1465.4	1466.1	1463.3	1462.6	1464.0
5°	1496.6	1496.6	1498.0	1498.7	1498.0	1496.6	1496.6	1493.7	1491.6	1489.5	1488.8
7.5°	1523.4	1524.9	1526.3	1527.0	1526.3	1524.9	1523.4	1519.2	1514.9	1511.4	1508.6
10°	1539.7	1541.8	1544.7	1546.1	1544.7	1541.8	1539.7	1534.8	1529.1	1523.4	1519.2
12.5°	1546.8	1548.9	1552.5	1551.8	1552.5	1548.9	1546.8	1539.7	1533.3	1525.6	1519.2
15°	1541.8	1544.7	1548.2	1549.6	1548.2	1544.7	1541.8	1534.8	1529.1	1520.6	1514.2
17.5°	1526.3	1530.5	1532.6	1534.8	1532.6	1530.5	1526.3	1520.6	1512.8	1505.8	1499.4
20°	1505.0	1507.9	1510.7	1511.4	1510.7	1507.9	1505.0	1498.7	1486.7	1485.2	1480.3
22.5°	1474.6	1476.8	1483.1	1481.0	1483.1	1476.8	1474.6	1468.9	1464.7	1456.9	1452.0
25°	1430.7	1432.9	1433.6	1434.3	1433.6	1432.9	1430.7	1425.8	1421.6	1415.9	1413.1
27.5°	1355.0	1355.0	1356.4	1357.2	1356.4	1355.0	1355.0	1351.5	1348.7	1345.8	1343.0
30°	1240.4	1240.4	1240.4	1244.0	1240.4	1240.4	1240.4	1239.7	1239.7	1240.4	1240.4
32.5°	1108.1	1106.7	1105.3	1106.7	1105.3	1106.7	1108.1	1108.8	1108.1	1110.2	1113.7
35°	958.1	957.4	959.5	956.7	959.5	957.4	958.1	958.1	960.9	963.7	964.4
37.5°	814.4	813.0	815.9	813.0	815.9	813.0	814.4	813.7	813.0	814.4	812.3
40°	677.9	679.3	679.3	685.0	679.3	679.3	677.9	676.5	671.5	668.7	665.9
42.5°	547.0	551.2	549.8	554.0	549.8	551.2	547.0	544.1	538.5	533.5	529.3
45°	423.1	426.0	426.0	427.4	426.0	426.0	423.1	420.3	415.4	411.1	408.3
47.5°	324.8	324.8	324.8	325.5	324.8	324.8	324.8	319.8	318.4	315.6	312.0
50°	247.0	247.7	248.4	249.1	248.4	247.7	247.0	245.5	244.8	243.4	242.7
52.5°	189.6	190.3	188.9	190.3	188.9	190.3	189.6	190.3	188.2	188.2	187.5
55°	143.6	142.9	143.6	144.3	143.6	142.9	143.6	143.6	142.9	142.9	142.9
57.5°	105.4	104.0	104.0	104.0	104.0	104.0	105.4	104.7	106.9	105.4	106.1
60°	78.6	79.2	79.2	79.9	79.2	79.2	78.6	79.9	79.9	80.7	80.7
62.5°	58.0	60.1	58.7	60.1	58.7	60.1	58.0	58.7	58.7	59.4	60.1
65°	37.5	37.5	37.5	38.2	37.5	37.5	37.5	38.2	38.9	38.2	40.3
67.5°	25.5	26.2	27.6	26.9	27.6	26.2	25.5	26.2	26.2	28.3	27.6
70°	20.5	18.4	18.4	20.5	18.4	18.4	20.5	19.1	18.4	19.8	19.1
72.5°	12.0	10.6	12.0	12.0	12.0	10.6	12.0	10.6	11.3	11.3	12.7
75°	6.4	5.7	5.0	7.1	5.0	5.7	6.4	6.4	6.4	6.4	7.1
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	1.4	1.4	1.4	1.4	1.4	0.7	0.7	1.4	1.4	0.7
85°	0.0	1.4	0.7	0.7	0.7	1.4	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: P245859

CATALOG NUMBER: LD8B30D010 ER8B30935 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1
2.5°	1464.0	1461.9	1462.6	1458.3	1458.3	1456.9	1457.6	1454.1	1452.7	1451.3	1453.4
5°	1485.2	1481.7	1478.9	1472.5	1468.9	1464.7	1462.6	1456.9	1452.0	1447.7	1447.0
7.5°	1502.2	1494.4	1489.5	1481.0	1474.6	1469.7	1462.6	1454.8	1448.4	1442.8	1438.5
10°	1509.3	1501.5	1493.7	1483.1	1476.0	1466.8	1459.7	1449.8	1441.4	1433.6	1428.6
12.5°	1510.0	1500.1	1493.0	1481.0	1471.8	1461.9	1454.1	1442.8	1432.9	1425.1	1417.3
15°	1503.6	1494.4	1485.9	1473.2	1464.0	1454.8	1445.6	1433.6	1424.4	1415.2	1409.5
17.5°	1489.5	1481.0	1471.1	1459.0	1450.6	1442.1	1432.2	1422.3	1411.6	1401.7	1394.7
20°	1471.1	1461.9	1453.4	1441.4	1434.3	1425.1	1415.9	1405.3	1396.8	1386.9	1379.1
22.5°	1443.5	1435.0	1427.2	1420.1	1408.8	1401.7	1395.4	1383.4	1374.8	1365.6	1357.2
25°	1403.9	1395.4	1389.0	1380.5	1375.5	1367.8	1361.4	1350.8	1343.0	1334.5	1327.4
27.5°	1338.8	1333.8	1330.3	1325.3	1321.1	1317.5	1314.0	1305.5	1299.8	1292.1	1285.0
30°	1241.1	1240.4	1238.3	1236.2	1239.0	1239.0	1239.0	1237.6	1232.6	1226.9	1222.0
32.5°	1115.9	1117.3	1120.1	1122.2	1127.9	1134.3	1139.9	1142.7	1142.7	1139.2	1137.1
35°	966.6	968.7	973.0	978.6	985.7	993.5	1006.2	1009.0	1011.1	1011.1	1008.3
37.5°	811.6	810.9	815.2	820.1	824.4	830.0	839.2	841.3	844.9	843.5	840.6
40°	660.9	657.4	655.9	657.4	662.3	660.2	662.3	660.9	660.9	655.9	655.9
42.5°	521.5	517.3	514.4	512.3	512.3	507.3	503.8	500.3	498.2	494.6	493.9
45°	401.9	396.9	393.4	392.0	389.9	383.5	379.3	375.0	370.1	368.7	369.4
47.5°	312.0	307.1	305.7	302.1	298.6	295.1	292.2	287.3	286.6	283.7	286.6
50°	240.6	239.2	237.0	235.6	233.5	230.7	227.8	225.0	223.6	223.6	224.3
52.5°	186.8	187.5	185.4	183.3	181.9	181.9	178.3	177.6	177.6	174.8	177.6
55°	142.9	142.2	142.9	141.5	141.5	139.4	139.4	137.3	137.3	135.1	136.6
57.5°	104.7	106.1	104.7	105.4	106.9	104.7	104.0	101.9	103.3	101.9	102.6
60°	81.4	81.4	81.4	80.7	80.7	79.9	79.9	79.2	79.2	77.8	79.2
62.5°	60.1	60.8	60.8	60.8	61.6	60.8	60.1	60.8	60.1	60.1	60.8
65°	39.6	40.3	40.3	39.6	41.0	39.6	40.3	41.0	41.7	41.0	41.7
67.5°	26.9	26.9	27.6	28.3	27.6	28.3	29.0	28.3	29.0	30.4	29.0
70°	19.8	20.5	20.5	19.8	19.1	19.8	19.1	21.2	21.2	21.2	22.6
72.5°	12.7	12.7	12.0	12.0	12.0	12.0	12.0	14.2	12.7	12.0	13.5
75°	7.1	7.8	7.8	5.7	6.4	7.8	5.7	6.4	8.5	7.1	8.5
77.5°	4.3	4.3	4.3	4.3	4.3	4.3	5.7	5.0	5.0	5.0	5.7
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°	1.4	1.4	0.7	0.0	1.4	1.4	1.4	1.4	1.4	1.4	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	1.4	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: P245859

CATALOG NUMBER: LD8B30D010 ER8B30935 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1
2.5°	1447.7	1447.7	1447.0	1445.6	1442.8	1442.8	1442.1	1439.9	1438.5	1437.8	1437.8
5°	1440.6	1437.8	1435.0	1427.2	1427.2	1425.8	1421.6	1418.7	1417.3	1413.8	1412.4
7.5°	1434.3	1425.8	1420.8	1415.9	1409.5	1406.7	1401.7	1399.6	1394.7	1391.1	1389.0
10°	1418.7	1413.1	1406.7	1398.9	1394.0	1388.3	1382.6	1378.4	1372.0	1368.5	1365.6
12.5°	1408.1	1399.6	1394.0	1385.4	1377.0	1372.0	1364.2	1359.3	1352.9	1345.8	1341.6
15°	1398.2	1389.0	1381.2	1372.0	1362.8	1357.2	1348.0	1342.3	1333.1	1326.0	1321.1
17.5°	1383.4	1375.5	1367.1	1355.7	1347.3	1340.2	1330.3	1323.2	1314.7	1305.5	1300.5
20°	1367.8	1358.6	1350.1	1338.8	1330.3	1321.8	1311.9	1304.1	1294.2	1285.7	1280.0
22.5°	1347.3	1336.6	1329.6	1318.2	1308.3	1299.2	1289.9	1280.7	1271.5	1264.5	1258.1
25°	1317.5	1306.2	1298.4	1289.2	1280.0	1273.0	1261.6	1256.0	1246.8	1240.4	1234.0
27.5°	1275.1	1266.6	1259.5	1250.3	1242.5	1236.9	1228.4	1222.7	1214.9	1209.3	1204.3
30°	1212.8	1205.7	1199.4	1190.2	1184.5	1179.6	1171.8	1166.8	1161.2	1154.8	1153.4
32.5°	1129.3	1123.6	1117.3	1110.9	1106.7	1103.8	1097.5	1094.6	1089.0	1085.4	1081.9
35°	1003.4	998.4	994.9	992.1	990.6	991.3	989.9	992.8	994.2	993.5	994.2
37.5°	838.5	835.7	837.1	839.2	846.3	855.5	864.0	876.7	885.2	893.7	901.5
40°	654.5	656.7	662.3	675.0	693.4	714.0	733.1	757.1	781.2	798.2	813.7
42.5°	493.9	500.3	514.4	532.8	560.4	590.8	620.6	655.9	685.0	713.2	733.1
45°	371.5	380.0	398.4	423.9	454.3	489.6	527.2	566.8	601.5	630.5	652.4
47.5°	289.4	297.2	315.6	342.5	380.0	416.8	455.7	496.7	532.8	561.1	580.2
50°	228.5	238.4	254.7	283.0	320.5	359.5	399.8	440.1	474.1	498.2	515.1
52.5°	179.7	188.9	204.5	234.2	272.4	311.3	348.8	388.5	418.2	441.5	452.9
55°	139.4	147.9	164.1	188.9	225.0	263.2	300.7	334.7	362.3	379.3	389.9
57.5°	106.1	112.5	123.8	148.6	181.2	216.5	248.4	282.3	303.6	315.6	322.6
60°	80.7	85.6	97.7	116.8	146.5	176.9	203.8	229.3	246.3	256.2	263.2
62.5°	60.8	66.5	75.0	91.3	113.9	138.7	161.3	180.4	194.6	201.0	205.9
65°	41.7	46.0	52.4	65.1	84.2	101.9	119.6	133.7	142.9	150.0	152.8
67.5°	31.1	34.0	37.5	47.4	60.8	75.0	87.0	96.9	106.9	109.7	114.6
70°	23.4	25.5	29.0	36.1	43.9	53.8	63.7	69.3	76.4	81.4	82.8
72.5°	14.9	15.6	19.1	23.4	29.7	36.1	42.5	47.4	51.7	54.5	55.9
75°	8.5	12.7	12.7	17.0	21.2	24.1	28.3	31.8	34.0	36.1	36.1
77.5°	5.7	7.8	8.5	10.6	12.7	16.3	19.8	21.9	24.1	24.8	24.8
80°	5.0	5.7	5.7	7.8	9.2	12.0	14.2	14.9	16.3	17.0	18.4
82.5°	2.1	2.8	3.5	5.7	6.4	6.4	8.5	9.2	10.6	11.3	11.3
85°	0.7	1.4	1.4	2.1	3.5	4.3	5.0	5.7	6.4	6.4	7.1
87.5°	0.7	0.7	0.0	0.7	1.4	1.4	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: P245859

CATALOG NUMBER: LD8B30D010 ER8B30935 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1
2.5°	1436.4	1437.1	1434.3	1433.6	1432.2	1432.9	1434.3
5°	1410.2	1410.9	1408.1	1405.3	1405.3	1404.6	1405.3
7.5°	1385.4	1386.2	1381.9	1380.5	1377.7	1378.4	1378.4
10°	1360.7	1360.7	1354.3	1353.6	1351.5	1350.8	1350.8
12.5°	1336.6	1334.5	1329.6	1326.7	1328.2	1323.9	1323.9
15°	1315.4	1311.9	1305.5	1303.4	1299.8	1298.4	1298.4
17.5°	1293.5	1290.6	1285.0	1280.7	1276.5	1275.8	1276.5
20°	1272.2	1269.4	1262.3	1259.5	1256.0	1256.0	1254.6
22.5°	1251.0	1248.2	1241.8	1239.7	1234.8	1234.8	1235.5
25°	1229.1	1226.9	1219.9	1218.5	1217.8	1214.9	1216.3
27.5°	1199.4	1197.9	1192.3	1190.2	1187.3	1186.6	1188.0
30°	1144.9	1142.7	1138.5	1136.4	1131.4	1132.1	1133.5
32.5°	1077.0	1074.1	1068.5	1066.3	1062.1	1060.7	1061.4
35°	992.1	989.9	985.0	985.0	980.7	979.3	980.7
37.5°	905.7	907.8	905.7	907.8	905.7	905.0	905.7
40°	824.4	832.1	833.5	841.3	838.5	842.7	842.0
42.5°	746.5	759.2	764.2	770.6	769.2	772.0	774.1
45°	668.0	678.6	683.5	687.8	688.5	689.9	690.6
47.5°	593.7	602.2	602.9	607.8	607.1	607.1	609.2
50°	524.3	530.0	531.4	534.9	532.1	530.7	531.4
52.5°	459.9	465.6	464.2	465.6	462.1	460.6	461.3
55°	394.1	396.9	396.9	396.9	392.7	392.7	392.7
57.5°	326.9	327.6	326.2	326.9	326.2	321.9	321.2
60°	265.4	265.4	264.6	265.4	263.2	261.1	261.1
62.5°	207.3	208.7	211.6	208.7	207.3	208.7	206.6
65°	155.0	157.8	157.1	158.5	157.8	157.8	156.4
67.5°	116.8	117.5	118.2	118.9	118.9	118.9	118.9
70°	85.6	87.8	87.0	87.0	87.0	87.0	91.3
72.5°	57.3	60.1	59.4	60.8	60.8	62.3	60.8
75°	38.9	41.7	40.3	42.5	41.7	40.3	43.9
77.5°	26.2	27.6	28.3	29.0	28.3	27.6	28.3
80°	18.4	19.8	19.1	19.8	19.8	19.8	20.5
82.5°	11.3	13.5	12.7	13.5	12.7	13.5	13.5
85°	7.8	8.5	7.1	8.5	7.8	7.8	9.2
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)