

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: P245001

Luminaire Tested: **LD8B30D010 ER8B30940 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245001
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 ER8B30940 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2731.0 lumens
Efficiency: N/A
Efficacy: 100.8 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

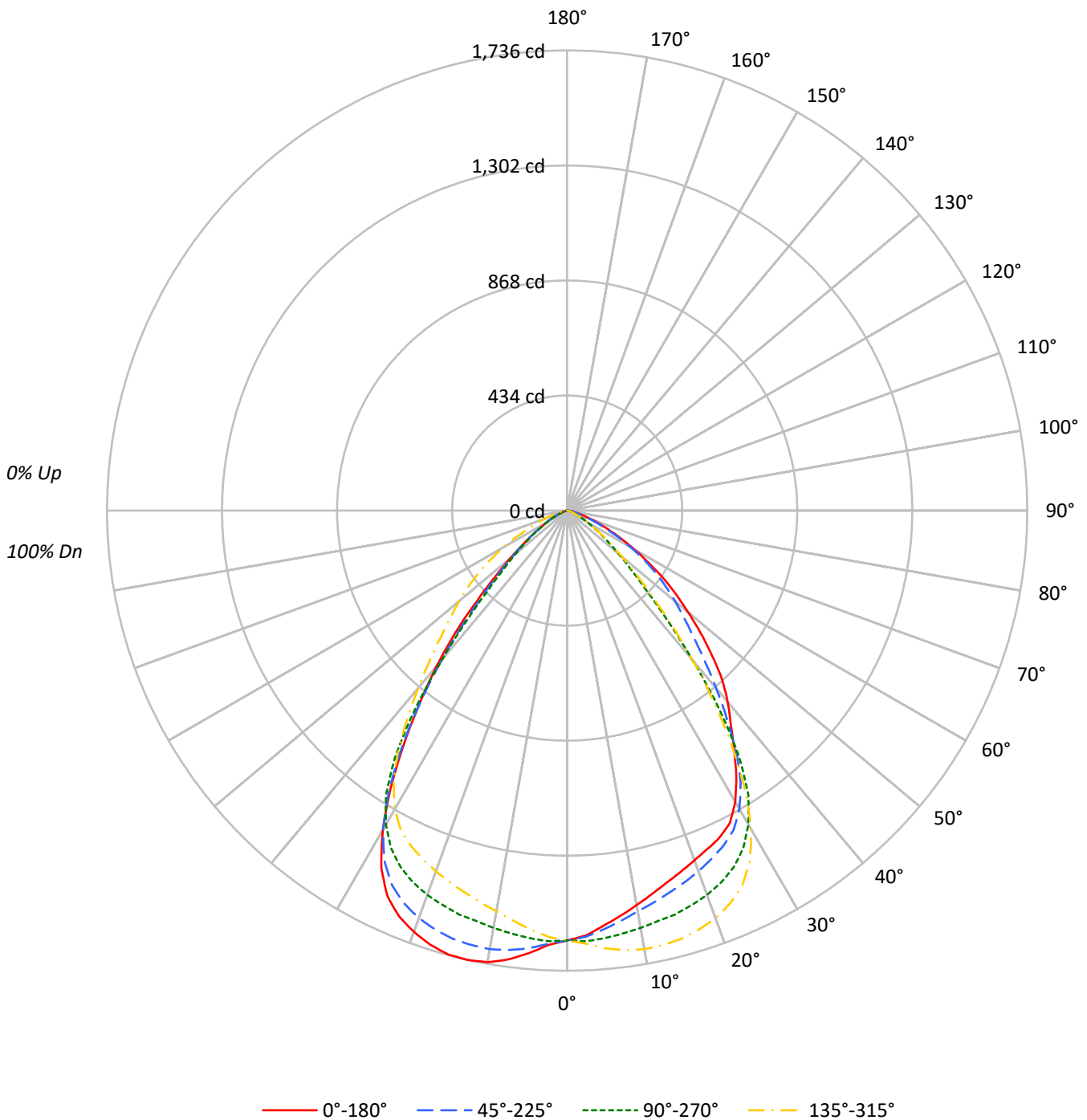
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	49995	49995	49995	49995
5°	48666	50112	51901	50112
10°	47322	50046	54164	50046
15°	46376	50344	55347	50344
20°	46060	50631	55491	50631
25°	46303	50529	54598	50529
30°	45156	48681	49554	48681
35°	41303	42466	40291	42466
40°	37923	29542	30847	29542
45°	33697	18019	20854	18019
50°	28520	12036	13370	12036
55°	23623	8215	8682	8215
60°	18015	5470	5514	5470
65°	12762	3407	3123	3407
70°	9205	2281	2074	2281
75°	5850	1132	941	1132
80°	4084	852	693	852
85°	3644	0	283	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.3	5.7
10°-20°	446.9	16.4
20°-30°	676.7	24.8
30°-40°	678.2	24.8
40°-50°	425.9	15.6
50°-60°	226.9	8.3
60°-70°	93.3	3.4
70°-80°	24.7	0.9
80°-90°	4.2	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°	1277.9	46.8
0°-40°	1956.0	71.6
0°-60°	2608.9	95.5
0°-90°	2731.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2731.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1621	1621	1621	1621	1621	
5°	1572	1619	1677	1619	1572	148
15°	1453	1577	1734	1577	1453	411
25°	1361	1485	1605	1485	1361	624
35°	1097	1128	1070	1128	1097	687
45°	773	413	478	413	773	594
55°	439	153	162	153	439	392
65°	175	47	43	47	175	181
75°	49	10	8	10	49	56
85°	10	0	1	0	10	11
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°	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3
2.5°	1604.7	1603.1	1602.3	1603.9	1604.7	1607.9	1607.1	1608.6	1608.6	1609.4	1611.0
5°	1572.2	1571.4	1572.2	1572.2	1575.4	1578.6	1577.8	1580.2	1581.7	1585.7	1587.3
7.5°	1542.2	1542.2	1541.3	1544.5	1546.1	1550.9	1550.0	1554.0	1556.4	1560.3	1565.9
10°	1511.3	1511.3	1512.1	1514.4	1515.2	1522.3	1522.3	1527.9	1531.0	1535.0	1542.2
12.5°	1481.2	1481.2	1485.9	1484.4	1487.5	1493.1	1495.4	1501.0	1505.7	1513.6	1520.8
15°	1452.7	1452.7	1454.3	1458.2	1460.6	1467.7	1471.7	1478.0	1483.6	1491.5	1501.8
17.5°	1428.1	1427.4	1428.1	1432.9	1437.7	1444.0	1447.1	1455.1	1460.6	1470.9	1480.4
20°	1403.6	1405.2	1405.2	1409.1	1412.3	1420.2	1423.4	1432.1	1438.4	1447.9	1459.0
22.5°	1382.2	1381.4	1381.4	1387.0	1389.4	1396.5	1399.6	1407.5	1414.7	1422.6	1432.9
25°	1360.9	1359.3	1362.5	1363.2	1364.8	1372.7	1375.1	1380.6	1387.8	1394.9	1405.2
27.5°	1329.2	1327.6	1328.4	1331.6	1333.9	1340.3	1341.9	1347.4	1352.9	1359.3	1368.0
30°	1268.2	1266.7	1265.9	1271.4	1273.8	1278.5	1280.9	1290.4	1292.0	1299.1	1305.4
32.5°	1187.5	1186.7	1188.3	1193.0	1195.4	1201.7	1204.9	1210.4	1214.4	1218.4	1224.7
35°	1097.2	1095.6	1097.2	1102.0	1102.0	1107.5	1109.9	1112.3	1111.5	1112.3	1110.7
37.5°	1013.3	1012.5	1013.3	1015.7	1013.3	1015.7	1013.3	1008.6	999.9	990.4	980.8
40°	942.1	942.9	938.1	941.3	932.6	931.0	922.3	910.4	893.0	874.0	847.1
42.5°	866.1	863.7	860.5	862.1	855.0	849.4	835.2	820.2	798.0	766.3	733.9
45°	772.7	771.9	770.3	769.5	764.7	759.2	747.3	729.9	705.4	672.9	634.1
47.5°	681.6	679.2	679.2	680.0	674.5	673.7	664.2	649.2	627.8	596.1	555.7
50°	594.5	593.7	595.3	598.5	594.5	593.0	586.6	576.3	557.3	530.4	492.4
52.5°	516.1	515.4	517.0	520.9	519.3	520.9	514.6	506.7	494.0	467.9	434.6
55°	439.4	439.4	439.4	444.1	444.1	444.1	440.9	436.2	424.3	405.3	374.5
57.5°	359.4	360.2	365.0	365.7	365.0	366.6	365.7	361.0	353.1	339.6	315.9
60°	292.1	292.1	294.5	296.9	296.1	296.9	296.9	294.5	286.6	275.5	256.5
62.5°	231.2	233.5	231.9	233.5	236.7	233.5	231.9	230.4	224.8	217.7	201.9
65°	174.9	176.5	176.5	177.3	175.7	176.5	173.4	171.0	167.8	159.9	149.6
67.5°	133.0	133.0	133.0	133.0	132.2	131.4	130.6	128.3	122.7	119.6	108.4
70°	102.1	97.4	97.4	97.4	97.4	98.2	95.8	92.6	91.0	85.5	77.6
72.5°	68.1	69.7	68.1	68.1	66.5	67.3	64.1	62.5	61.0	57.8	53.0
75°	49.1	45.1	46.7	47.5	45.1	46.7	43.5	40.4	40.4	38.0	35.6
77.5°	31.7	30.9	31.7	32.5	31.7	30.9	29.3	27.7	27.7	26.9	24.5
80°	23.0	22.2	22.2	22.2	21.4	22.2	20.6	20.6	19.0	18.2	16.6
82.5°	15.1	15.1	14.2	15.1	14.2	15.1	12.7	12.7	12.7	11.9	10.3
85°	10.3	8.7	8.7	9.5	7.9	9.5	8.7	7.9	7.1	7.1	6.3
87.5°	4.8	5.5	4.8	5.5	4.8	4.8	5.5	4.8	4.8	3.2	3.2
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°	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3
2.5°	1613.4	1614.2	1614.2	1617.4	1618.9	1619.7	1619.7	1626.1	1623.7	1625.3	1626.8
5°	1590.5	1595.2	1596.8	1596.8	1605.5	1608.6	1611.8	1618.9	1619.7	1624.5	1630.0
7.5°	1568.3	1573.8	1577.0	1584.1	1589.6	1595.2	1604.7	1609.4	1614.2	1620.5	1627.6
10°	1546.9	1553.2	1559.6	1565.1	1573.8	1580.9	1587.3	1598.3	1603.9	1612.6	1622.1
12.5°	1526.3	1535.0	1540.6	1550.0	1559.6	1565.9	1575.4	1585.7	1594.4	1603.1	1614.2
15°	1508.1	1518.4	1524.7	1535.0	1545.3	1554.0	1564.3	1577.0	1583.3	1593.6	1603.9
17.5°	1488.3	1499.4	1507.3	1516.8	1529.5	1539.0	1547.7	1560.3	1568.3	1579.3	1591.2
20°	1467.7	1478.8	1488.3	1497.8	1510.5	1520.0	1530.3	1542.9	1551.6	1562.7	1572.2
22.5°	1443.2	1453.5	1463.8	1474.8	1487.5	1495.4	1507.3	1518.4	1527.9	1538.2	1547.7
25°	1411.5	1424.2	1432.1	1442.4	1452.7	1461.4	1474.1	1485.1	1493.1	1502.6	1511.3
27.5°	1374.3	1383.8	1390.1	1398.8	1409.1	1417.1	1426.5	1437.7	1445.6	1454.3	1460.6
30°	1311.0	1319.7	1325.2	1331.6	1341.9	1349.0	1356.9	1367.2	1372.7	1379.1	1384.6
32.5°	1227.8	1235.0	1238.1	1242.9	1250.0	1257.1	1263.5	1272.2	1274.6	1278.5	1278.5
35°	1107.5	1109.1	1108.3	1109.9	1113.1	1117.0	1122.6	1128.1	1131.3	1131.3	1128.9
37.5°	966.6	957.1	946.8	938.9	936.5	934.9	938.1	940.5	943.7	945.2	941.3
40°	820.2	798.8	775.8	755.2	741.0	734.7	732.3	733.9	733.9	739.4	739.4
42.5°	694.3	661.0	627.0	596.1	575.5	559.7	552.6	552.6	553.4	557.3	559.7
45°	589.8	547.8	508.2	474.2	445.7	425.1	415.6	413.2	412.5	414.0	419.6
47.5°	509.8	466.3	425.1	383.2	353.1	332.5	323.8	320.6	317.4	320.6	321.4
50°	447.3	402.2	358.6	316.7	285.0	266.8	255.7	250.9	250.2	250.2	251.8
52.5°	390.3	348.3	304.8	262.1	228.8	211.4	201.1	198.7	195.5	198.7	198.7
55°	336.4	294.5	251.8	211.4	183.7	165.5	156.0	152.8	151.2	153.6	153.6
57.5°	277.9	242.2	202.7	166.2	138.6	125.9	118.7	114.8	114.0	115.6	114.0
60°	228.0	197.9	163.9	130.6	109.3	95.8	90.3	88.7	87.1	88.7	88.7
62.5°	180.5	155.2	127.4	102.1	83.9	74.4	68.1	68.1	67.3	67.3	68.1
65°	133.8	114.0	94.2	72.8	58.6	51.5	46.7	46.7	45.9	46.7	45.9
67.5°	97.4	83.9	68.1	53.0	42.0	38.0	34.8	32.5	34.1	32.5	31.7
70°	71.3	60.2	49.1	40.4	32.5	28.5	26.1	25.3	23.8	23.8	23.8
72.5°	47.5	40.4	33.2	26.1	21.4	17.4	16.6	15.1	13.5	14.2	15.8
75°	31.7	26.9	23.8	19.0	14.2	14.2	9.5	9.5	7.9	9.5	7.1
77.5°	22.2	18.2	14.2	11.9	9.5	8.7	6.3	6.3	5.5	5.5	5.5
80°	15.8	13.5	10.3	8.7	6.3	6.3	5.5	4.8	3.9	3.9	4.8
82.5°	9.5	7.1	7.1	6.3	3.9	3.2	2.4	3.2	1.6	1.6	1.6
85°	5.5	4.8	3.9	2.4	1.6	1.6	0.8	0.0	0.8	0.8	0.0
87.5°	3.2	1.6	1.6	0.8	0.0	0.8	0.8	0.0	0.0	0.0	1.6
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3
2.5°	1630.8	1630.0	1631.6	1631.6	1636.4	1635.5	1637.9	1637.9	1636.4	1637.1	1640.3
5°	1636.4	1638.7	1643.5	1647.4	1654.5	1657.7	1661.7	1665.7	1666.4	1668.8	1671.2
7.5°	1636.4	1644.3	1649.8	1656.9	1666.4	1672.0	1680.7	1687.8	1691.0	1694.9	1699.7
10°	1633.2	1641.1	1651.4	1659.3	1671.2	1679.9	1688.6	1699.7	1704.4	1710.8	1717.1
12.5°	1626.8	1635.5	1646.6	1656.9	1670.4	1678.3	1689.4	1699.7	1706.8	1715.5	1722.6
15°	1617.4	1627.6	1637.9	1648.2	1662.5	1672.0	1682.3	1694.1	1701.3	1710.8	1717.1
17.5°	1602.3	1613.4	1622.9	1632.4	1645.8	1656.9	1666.4	1677.5	1684.7	1692.6	1701.3
20°	1584.1	1594.4	1604.7	1612.6	1626.1	1635.5	1645.8	1656.1	1661.7	1663.3	1676.7
22.5°	1561.2	1568.3	1576.2	1588.9	1596.8	1605.5	1615.0	1624.5	1630.0	1638.7	1643.5
25°	1523.1	1530.3	1539.0	1544.5	1554.0	1561.2	1570.6	1580.9	1584.1	1590.5	1595.2
27.5°	1470.1	1474.1	1478.0	1482.8	1488.3	1492.3	1497.8	1502.6	1505.7	1508.9	1512.1
30°	1386.2	1386.2	1386.2	1383.0	1385.4	1387.8	1388.6	1387.8	1387.8	1387.0	1387.0
32.5°	1275.4	1269.0	1261.9	1255.6	1253.2	1250.0	1248.4	1246.1	1242.1	1239.7	1240.5
35°	1125.7	1111.5	1102.8	1094.9	1088.5	1083.8	1081.4	1079.0	1078.2	1075.1	1071.9
37.5°	938.9	928.6	922.3	917.5	912.0	907.2	908.0	908.8	911.2	909.6	910.4
40°	741.0	738.6	741.0	735.4	733.9	735.4	739.4	745.0	748.1	751.3	756.8
42.5°	563.7	567.6	573.2	573.2	575.5	578.7	583.4	592.2	596.9	602.4	608.8
45°	424.3	429.1	436.2	438.6	440.2	444.1	449.7	456.8	459.9	464.7	470.2
47.5°	327.0	330.1	334.1	338.0	342.0	343.6	349.1	349.1	353.1	356.3	357.8
50°	254.9	258.1	261.2	263.6	265.2	267.6	269.2	271.5	272.3	273.9	274.7
52.5°	199.5	203.5	203.5	205.0	207.4	209.8	209.0	209.8	210.6	210.6	212.9
55°	156.0	156.0	158.3	158.3	159.9	159.1	159.9	159.9	159.9	159.9	160.7
57.5°	116.4	117.2	119.6	118.0	117.2	118.7	117.2	118.7	118.0	119.6	117.2
60°	89.4	89.4	90.3	90.3	91.0	91.0	91.0	90.3	90.3	89.4	89.4
62.5°	67.3	68.1	68.9	68.1	68.1	68.1	67.3	67.3	66.5	65.7	65.7
65°	45.1	44.3	45.9	44.3	45.1	45.1	44.3	45.1	42.8	43.5	42.8
67.5°	32.5	31.7	30.9	31.7	30.9	30.1	30.1	30.9	31.7	29.3	29.3
70°	21.4	22.2	21.4	22.2	23.0	23.0	22.2	21.4	22.2	20.6	21.4
72.5°	13.5	13.5	13.5	13.5	13.5	14.2	14.2	14.2	12.7	12.7	11.9
75°	6.3	8.7	7.1	6.3	8.7	8.7	7.9	7.9	7.1	7.1	7.1
77.5°	6.3	4.8	4.8	4.8	4.8	4.8	4.8	4.8	3.9	4.8	3.9
80°	3.2	3.2	3.2	2.4	3.2	3.2	3.9	3.2	3.2	2.4	3.9
82.5°	1.6	1.6	1.6	0.0	0.8	1.6	1.6	0.8	1.6	1.6	0.8
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: P245001

CATALOG NUMBER: LD8B30D010 ER8B30940 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3
2.5°	1639.5	1638.7	1639.5	1640.3	1639.5	1638.7	1639.5	1640.3	1637.1	1636.4	1637.9
5°	1674.4	1674.4	1675.9	1676.7	1675.9	1674.4	1674.4	1671.2	1668.8	1666.4	1665.7
7.5°	1704.4	1706.0	1707.6	1708.4	1707.6	1706.0	1704.4	1699.7	1694.9	1691.0	1687.8
10°	1722.6	1725.0	1728.2	1729.8	1728.2	1725.0	1722.6	1717.1	1710.8	1704.4	1699.7
12.5°	1730.6	1732.9	1736.9	1736.1	1736.9	1732.9	1730.6	1722.6	1715.5	1706.8	1699.7
15°	1725.0	1728.2	1732.1	1733.7	1732.1	1728.2	1725.0	1717.1	1710.8	1701.3	1694.1
17.5°	1707.6	1712.4	1714.7	1717.1	1714.7	1712.4	1707.6	1701.3	1692.6	1684.7	1677.5
20°	1683.8	1687.0	1690.2	1691.0	1690.2	1687.0	1683.8	1676.7	1663.3	1661.7	1656.1
22.5°	1649.8	1652.2	1659.3	1656.9	1659.3	1652.2	1649.8	1643.5	1638.7	1630.0	1624.5
25°	1600.7	1603.1	1603.9	1604.7	1603.9	1603.1	1600.7	1595.2	1590.5	1584.1	1580.9
27.5°	1516.0	1516.0	1517.6	1518.4	1517.6	1516.0	1516.0	1512.1	1508.9	1505.7	1502.6
30°	1387.8	1387.8	1387.8	1391.7	1387.8	1387.8	1387.8	1387.0	1387.0	1387.8	1387.8
32.5°	1239.7	1238.1	1236.6	1238.1	1236.6	1238.1	1239.7	1240.5	1239.7	1242.1	1246.1
35°	1071.9	1071.1	1073.5	1070.3	1073.5	1071.1	1071.9	1071.9	1075.1	1078.2	1079.0
37.5°	911.2	909.6	912.8	909.6	912.8	909.6	911.2	910.4	909.6	911.2	908.8
40°	758.4	760.0	760.0	766.3	760.0	760.0	758.4	756.8	751.3	748.1	745.0
42.5°	611.9	616.7	615.1	619.9	615.1	616.7	611.9	608.8	602.4	596.9	592.2
45°	473.4	476.6	476.6	478.2	476.6	476.6	473.4	470.2	464.7	459.9	456.8
47.5°	363.4	363.4	363.4	364.2	363.4	363.4	363.4	357.8	356.3	353.1	349.1
50°	276.3	277.1	277.9	278.7	277.9	277.1	276.3	274.7	273.9	272.3	271.5
52.5°	212.2	212.9	211.4	212.9	211.4	212.9	212.2	212.9	210.6	210.6	209.8
55°	160.7	159.9	160.7	161.5	160.7	159.9	160.7	160.7	159.9	159.9	159.9
57.5°	118.0	116.4	116.4	116.4	116.4	116.4	118.0	117.2	119.6	118.0	118.7
60°	87.9	88.7	88.7	89.4	88.7	88.7	87.9	89.4	89.4	90.3	90.3
62.5°	64.9	67.3	65.7	67.3	65.7	67.3	64.9	65.7	65.7	66.5	67.3
65°	42.0	42.0	42.0	42.8	42.0	42.0	42.0	42.8	43.5	42.8	45.1
67.5°	28.5	29.3	30.9	30.1	30.9	29.3	28.5	29.3	29.3	31.7	30.9
70°	23.0	20.6	20.6	23.0	20.6	20.6	23.0	21.4	20.6	22.2	21.4
72.5°	13.5	11.9	13.5	13.5	13.5	11.9	13.5	11.9	12.7	12.7	14.2
75°	7.1	6.3	5.5	7.9	5.5	6.3	7.1	7.1	7.1	7.1	7.9
77.5°	4.8	3.9	5.5	5.5	5.5	3.9	4.8	3.9	4.8	3.9	4.8
80°	2.4	3.2	2.4	3.9	2.4	3.2	2.4	3.9	2.4	3.2	3.2
82.5°	0.8	1.6	1.6	1.6	1.6	1.6	0.8	0.8	1.6	1.6	0.8
85°	0.0	1.6	0.8	0.8	0.8	1.6	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	0.0	0.0	0.8	0.0	0.0	0.8	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: P245001

CATALOG NUMBER: LD8B30D010 ER8B30940 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3
2.5°	1637.9	1635.5	1636.4	1631.6	1631.6	1630.0	1630.8	1626.8	1625.3	1623.7	1626.1
5°	1661.7	1657.7	1654.5	1647.4	1643.5	1638.7	1636.4	1630.0	1624.5	1619.7	1618.9
7.5°	1680.7	1672.0	1666.4	1656.9	1649.8	1644.3	1636.4	1627.6	1620.5	1614.2	1609.4
10°	1688.6	1679.9	1671.2	1659.3	1651.4	1641.1	1633.2	1622.1	1612.6	1603.9	1598.3
12.5°	1689.4	1678.3	1670.4	1656.9	1646.6	1635.5	1626.8	1614.2	1603.1	1594.4	1585.7
15°	1682.3	1672.0	1662.5	1648.2	1637.9	1627.6	1617.4	1603.9	1593.6	1583.3	1577.0
17.5°	1666.4	1656.9	1645.8	1632.4	1622.9	1613.4	1602.3	1591.2	1579.3	1568.3	1560.3
20°	1645.8	1635.5	1626.1	1612.6	1604.7	1594.4	1584.1	1572.2	1562.7	1551.6	1542.9
22.5°	1615.0	1605.5	1596.8	1588.9	1576.2	1568.3	1561.2	1547.7	1538.2	1527.9	1518.4
25°	1570.6	1561.2	1554.0	1544.5	1539.0	1530.3	1523.1	1511.3	1502.6	1493.1	1485.1
27.5°	1497.8	1492.3	1488.3	1482.8	1478.0	1474.1	1470.1	1460.6	1454.3	1445.6	1437.7
30°	1388.6	1387.8	1385.4	1383.0	1386.2	1386.2	1386.2	1384.6	1379.1	1372.7	1367.2
32.5°	1248.4	1250.0	1253.2	1255.6	1261.9	1269.0	1275.4	1278.5	1278.5	1274.6	1272.2
35°	1081.4	1083.8	1088.5	1094.9	1102.8	1111.5	1125.7	1128.9	1131.3	1131.3	1128.1
37.5°	908.0	907.2	912.0	917.5	922.3	928.6	938.9	941.3	945.2	943.7	940.5
40°	739.4	735.4	733.9	735.4	741.0	738.6	741.0	739.4	739.4	733.9	733.9
42.5°	583.4	578.7	575.5	573.2	573.2	567.6	563.7	559.7	557.3	553.4	552.6
45°	449.7	444.1	440.2	438.6	436.2	429.1	424.3	419.6	414.0	412.5	413.2
47.5°	349.1	343.6	342.0	338.0	334.1	330.1	327.0	321.4	320.6	317.4	320.6
50°	269.2	267.6	265.2	263.6	261.2	258.1	254.9	251.8	250.2	250.2	250.9
52.5°	209.0	209.8	207.4	205.0	203.5	203.5	199.5	198.7	198.7	195.5	198.7
55°	159.9	159.1	159.9	158.3	158.3	156.0	156.0	153.6	153.6	151.2	152.8
57.5°	117.2	118.7	117.2	118.0	119.6	117.2	116.4	114.0	115.6	114.0	114.8
60°	91.0	91.0	91.0	90.3	90.3	89.4	89.4	88.7	88.7	87.1	88.7
62.5°	67.3	68.1	68.1	68.1	68.9	68.1	67.3	68.1	67.3	67.3	68.1
65°	44.3	45.1	45.1	44.3	45.9	44.3	45.1	45.9	46.7	45.9	46.7
67.5°	30.1	30.1	30.9	31.7	30.9	31.7	32.5	31.7	32.5	34.1	32.5
70°	22.2	23.0	23.0	22.2	21.4	22.2	21.4	23.8	23.8	23.8	25.3
72.5°	14.2	14.2	13.5	13.5	13.5	13.5	13.5	15.8	14.2	13.5	15.1
75°	7.9	8.7	8.7	6.3	7.1	8.7	6.3	7.1	9.5	7.9	9.5
77.5°	4.8	4.8	4.8	4.8	4.8	4.8	6.3	5.5	5.5	5.5	6.3
80°	3.9	3.2	3.2	2.4	3.2	3.2	3.2	4.8	3.9	3.9	4.8
82.5°	1.6	1.6	0.8	0.0	1.6	1.6	1.6	1.6	1.6	1.6	3.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	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: P245001

CATALOG NUMBER: LD8B30D010 ER8B30940 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3
2.5°	1619.7	1619.7	1618.9	1617.4	1614.2	1614.2	1613.4	1611.0	1609.4	1608.6	1608.6
5°	1611.8	1608.6	1605.5	1596.8	1596.8	1595.2	1590.5	1587.3	1585.7	1581.7	1580.2
7.5°	1604.7	1595.2	1589.6	1584.1	1577.0	1573.8	1568.3	1565.9	1560.3	1556.4	1554.0
10°	1587.3	1580.9	1573.8	1565.1	1559.6	1553.2	1546.9	1542.2	1535.0	1531.0	1527.9
12.5°	1575.4	1565.9	1559.6	1550.0	1540.6	1535.0	1526.3	1520.8	1513.6	1505.7	1501.0
15°	1564.3	1554.0	1545.3	1535.0	1524.7	1518.4	1508.1	1501.8	1491.5	1483.6	1478.0
17.5°	1547.7	1539.0	1529.5	1516.8	1507.3	1499.4	1488.3	1480.4	1470.9	1460.6	1455.1
20°	1530.3	1520.0	1510.5	1497.8	1488.3	1478.8	1467.7	1459.0	1447.9	1438.4	1432.1
22.5°	1507.3	1495.4	1487.5	1474.8	1463.8	1453.5	1443.2	1432.9	1422.6	1414.7	1407.5
25°	1474.1	1461.4	1452.7	1442.4	1432.1	1424.2	1411.5	1405.2	1394.9	1387.8	1380.6
27.5°	1426.5	1417.1	1409.1	1398.8	1390.1	1383.8	1374.3	1368.0	1359.3	1352.9	1347.4
30°	1356.9	1349.0	1341.9	1331.6	1325.2	1319.7	1311.0	1305.4	1299.1	1292.0	1290.4
32.5°	1263.5	1257.1	1250.0	1242.9	1238.1	1235.0	1227.8	1224.7	1218.4	1214.4	1210.4
35°	1122.6	1117.0	1113.1	1109.9	1108.3	1109.1	1107.5	1110.7	1112.3	1111.5	1112.3
37.5°	938.1	934.9	936.5	938.9	946.8	957.1	966.6	980.8	990.4	999.9	1008.6
40°	732.3	734.7	741.0	755.2	775.8	798.8	820.2	847.1	874.0	893.0	910.4
42.5°	552.6	559.7	575.5	596.1	627.0	661.0	694.3	733.9	766.3	798.0	820.2
45°	415.6	425.1	445.7	474.2	508.2	547.8	589.8	634.1	672.9	705.4	729.9
47.5°	323.8	332.5	353.1	383.2	425.1	466.3	509.8	555.7	596.1	627.8	649.2
50°	255.7	266.8	285.0	316.7	358.6	402.2	447.3	492.4	530.4	557.3	576.3
52.5°	201.1	211.4	228.8	262.1	304.8	348.3	390.3	434.6	467.9	494.0	506.7
55°	156.0	165.5	183.7	211.4	251.8	294.5	336.4	374.5	405.3	424.3	436.2
57.5°	118.7	125.9	138.6	166.2	202.7	242.2	277.9	315.9	339.6	353.1	361.0
60°	90.3	95.8	109.3	130.6	163.9	197.9	228.0	256.5	275.5	286.6	294.5
62.5°	68.1	74.4	83.9	102.1	127.4	155.2	180.5	201.9	217.7	224.8	230.4
65°	46.7	51.5	58.6	72.8	94.2	114.0	133.8	149.6	159.9	167.8	171.0
67.5°	34.8	38.0	42.0	53.0	68.1	83.9	97.4	108.4	119.6	122.7	128.3
70°	26.1	28.5	32.5	40.4	49.1	60.2	71.3	77.6	85.5	91.0	92.6
72.5°	16.6	17.4	21.4	26.1	33.2	40.4	47.5	53.0	57.8	61.0	62.5
75°	9.5	14.2	14.2	19.0	23.8	26.9	31.7	35.6	38.0	40.4	40.4
77.5°	6.3	8.7	9.5	11.9	14.2	18.2	22.2	24.5	26.9	27.7	27.7
80°	5.5	6.3	6.3	8.7	10.3	13.5	15.8	16.6	18.2	19.0	20.6
82.5°	2.4	3.2	3.9	6.3	7.1	7.1	9.5	10.3	11.9	12.7	12.7
85°	0.8	1.6	1.6	2.4	3.9	4.8	5.5	6.3	7.1	7.1	7.9
87.5°	0.8	0.8	0.0	0.8	1.6	1.6	3.2	3.2	3.2	4.8	4.8
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: P245001

CATALOG NUMBER: LD8B30D010 ER8B30940 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3	1621.3
2.5°	1607.1	1607.9	1604.7	1603.9	1602.3	1603.1	1604.7
5°	1577.8	1578.6	1575.4	1572.2	1572.2	1571.4	1572.2
7.5°	1550.0	1550.9	1546.1	1544.5	1541.3	1542.2	1542.2
10°	1522.3	1522.3	1515.2	1514.4	1512.1	1511.3	1511.3
12.5°	1495.4	1493.1	1487.5	1484.4	1485.9	1481.2	1481.2
15°	1471.7	1467.7	1460.6	1458.2	1454.3	1452.7	1452.7
17.5°	1447.1	1444.0	1437.7	1432.9	1428.1	1427.4	1428.1
20°	1423.4	1420.2	1412.3	1409.1	1405.2	1405.2	1403.6
22.5°	1399.6	1396.5	1389.4	1387.0	1381.4	1381.4	1382.2
25°	1375.1	1372.7	1364.8	1363.2	1362.5	1359.3	1360.9
27.5°	1341.9	1340.3	1333.9	1331.6	1328.4	1327.6	1329.2
30°	1280.9	1278.5	1273.8	1271.4	1265.9	1266.7	1268.2
32.5°	1204.9	1201.7	1195.4	1193.0	1188.3	1186.7	1187.5
35°	1109.9	1107.5	1102.0	1102.0	1097.2	1095.6	1097.2
37.5°	1013.3	1015.7	1013.3	1015.7	1013.3	1012.5	1013.3
40°	922.3	931.0	932.6	941.3	938.1	942.9	942.1
42.5°	835.2	849.4	855.0	862.1	860.5	863.7	866.1
45°	747.3	759.2	764.7	769.5	770.3	771.9	772.7
47.5°	664.2	673.7	674.5	680.0	679.2	679.2	681.6
50°	586.6	593.0	594.5	598.5	595.3	593.7	594.5
52.5°	514.6	520.9	519.3	520.9	517.0	515.4	516.1
55°	440.9	444.1	444.1	444.1	439.4	439.4	439.4
57.5°	365.7	366.6	365.0	365.7	365.0	360.2	359.4
60°	296.9	296.9	296.1	296.9	294.5	292.1	292.1
62.5°	231.9	233.5	236.7	233.5	231.9	233.5	231.2
65°	173.4	176.5	175.7	177.3	176.5	176.5	174.9
67.5°	130.6	131.4	132.2	133.0	133.0	133.0	133.0
70°	95.8	98.2	97.4	97.4	97.4	97.4	102.1
72.5°	64.1	67.3	66.5	68.1	68.1	69.7	68.1
75°	43.5	46.7	45.1	47.5	46.7	45.1	49.1
77.5°	29.3	30.9	31.7	32.5	31.7	30.9	31.7
80°	20.6	22.2	21.4	22.2	22.2	22.2	23.0
82.5°	12.7	15.1	14.2	15.1	14.2	15.1	15.1
85°	8.7	9.5	7.9	9.5	8.7	8.7	10.3
87.5°	5.5	4.8	4.8	5.5	4.8	5.5	4.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)