

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: P245950

Luminaire Tested: **LD8B40D010 ER8B40927 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245950
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: LD8B40D010 ER8B40927 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2633.6 lumens
Efficiency: N/A
Efficacy: 64.4 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

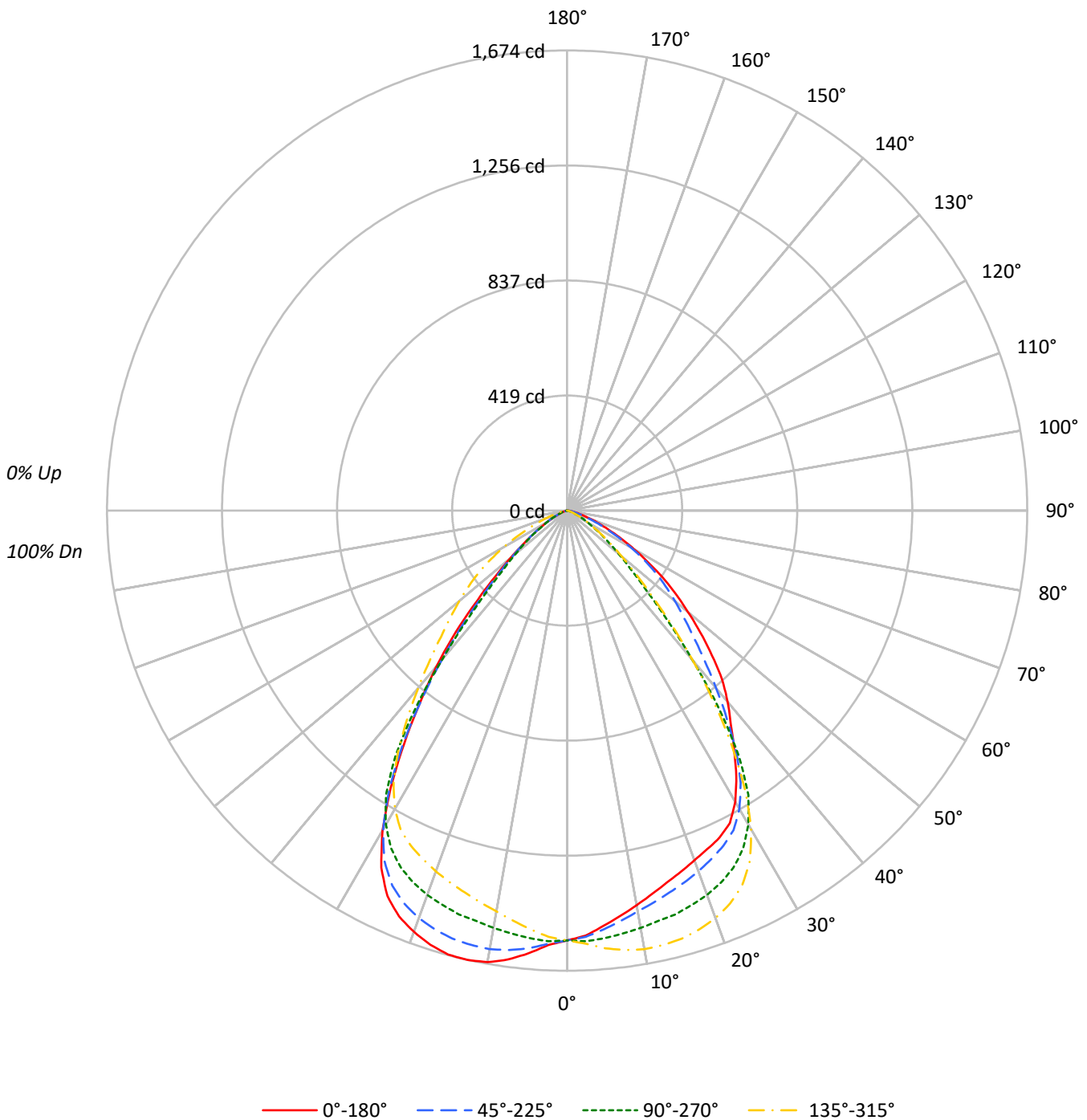
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	148.8	5.7
10°-20°	430.9	16.4
20°-30°	652.5	24.8
30°-40°	654.0	24.8
40°-50°	410.7	15.6
50°-60°	218.8	8.3
60°-70°	90.0	3.4
70°-80°	23.8	0.9
80°-90°	4.0	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°	1232.3	46.8
0°-40°	1886.3	71.6
0°-60°	2515.8	95.5
0°-90°	2633.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2633.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1564	1564	1564	1564	1564	
5°	1516	1561	1617	1561	1516	143
15°	1401	1521	1672	1521	1401	396
25°	1312	1432	1547	1432	1312	602
35°	1058	1088	1032	1088	1058	663
45°	745	398	461	398	745	573
55°	424	147	156	147	424	378
65°	169	45	41	45	169	175
75°	47	9	8	9	47	54
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°	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5
2.5°	1547.4	1546.0	1545.2	1546.8	1547.4	1550.5	1549.8	1551.3	1551.3	1552.0	1553.6
5°	1516.2	1515.4	1516.2	1516.2	1519.2	1522.2	1521.6	1523.8	1525.3	1529.1	1530.7
7.5°	1487.1	1487.1	1486.4	1489.4	1491.0	1495.6	1494.8	1498.6	1500.9	1504.7	1510.1
10°	1457.4	1457.4	1458.1	1460.5	1461.3	1468.0	1468.0	1473.4	1476.4	1480.3	1487.1
12.5°	1428.4	1428.4	1432.9	1431.4	1434.5	1439.8	1442.1	1447.4	1452.0	1459.7	1466.6
15°	1400.9	1400.9	1402.4	1406.2	1408.5	1415.4	1419.2	1425.4	1430.7	1438.3	1448.2
17.5°	1377.2	1376.4	1377.2	1381.8	1386.4	1392.5	1395.6	1403.2	1408.5	1418.4	1427.6
20°	1353.6	1355.1	1355.1	1358.9	1361.9	1369.6	1372.6	1381.0	1387.1	1396.4	1407.0
22.5°	1332.9	1332.2	1332.2	1337.5	1339.9	1346.6	1349.8	1357.3	1364.3	1371.8	1381.8
25°	1312.3	1310.7	1313.9	1314.7	1316.1	1323.8	1326.0	1331.4	1338.3	1345.2	1355.1
27.5°	1281.8	1280.2	1281.0	1284.1	1286.3	1292.5	1294.0	1299.4	1304.7	1310.7	1319.2
30°	1223.0	1221.5	1220.7	1226.0	1228.4	1232.9	1235.2	1244.4	1245.9	1252.8	1258.9
32.5°	1145.1	1144.4	1145.9	1150.4	1152.8	1158.9	1161.9	1167.3	1171.1	1175.0	1181.0
35°	1058.1	1056.6	1058.1	1062.7	1062.7	1068.1	1070.3	1072.6	1071.9	1072.6	1071.1
37.5°	977.2	976.4	977.2	979.4	977.2	979.4	977.2	972.6	964.2	955.0	945.9
40°	908.4	909.2	904.7	907.8	899.3	897.8	889.4	878.0	861.2	842.8	816.9
42.5°	835.2	833.0	829.9	831.4	824.5	819.1	805.4	790.9	769.5	739.0	707.7
45°	745.1	744.3	742.8	742.1	737.4	732.2	720.7	703.9	680.2	648.9	611.6
47.5°	657.3	655.0	655.0	655.8	650.5	649.7	640.5	626.1	605.4	574.9	535.9
50°	573.3	572.5	574.1	577.1	573.3	571.8	565.8	555.8	537.4	511.5	474.9
52.5°	497.7	497.0	498.5	502.3	500.8	502.3	496.2	488.6	476.3	451.1	419.2
55°	423.7	423.7	423.7	428.3	428.3	428.3	425.2	420.6	409.2	390.8	361.1
57.5°	346.6	347.4	351.9	352.7	351.9	353.5	352.7	348.1	340.5	327.5	304.7
60°	281.7	281.7	284.0	286.3	285.5	286.3	286.3	284.0	276.4	265.7	247.4
62.5°	222.9	225.2	223.6	225.2	228.3	225.2	223.6	222.2	216.8	209.9	194.6
65°	168.8	170.2	170.2	171.0	169.4	170.2	167.2	164.9	161.9	154.2	144.3
67.5°	128.2	128.2	128.2	128.2	127.5	126.7	126.0	123.6	118.4	115.3	104.6
70°	98.4	93.9	93.9	93.9	93.9	94.7	92.4	89.3	87.8	82.5	74.8
72.5°	65.6	67.2	65.6	65.6	64.1	64.9	61.9	60.3	58.8	55.8	51.2
75°	47.4	43.5	45.0	45.8	43.5	45.0	42.0	38.9	38.9	36.7	34.3
77.5°	30.5	29.8	30.5	31.3	30.5	29.8	28.2	26.7	26.7	26.0	23.6
80°	22.2	21.4	21.4	21.4	20.6	21.4	19.9	19.9	18.3	17.6	16.0
82.5°	14.5	14.5	13.7	14.5	13.7	14.5	12.3	12.3	12.3	11.5	9.9
85°	9.9	8.4	8.4	9.2	7.6	9.2	8.4	7.6	6.9	6.9	6.1
87.5°	4.6	5.3	4.6	5.3	4.6	4.6	5.3	4.6	4.6	3.0	3.0
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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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5
2.5°	1555.9	1556.7	1556.7	1559.7	1561.2	1562.0	1562.0	1568.1	1565.8	1567.4	1568.8
5°	1533.7	1538.3	1539.8	1539.8	1548.2	1551.3	1554.3	1561.2	1562.0	1566.6	1571.9
7.5°	1512.3	1517.7	1520.8	1527.6	1532.9	1538.3	1547.4	1552.0	1556.7	1562.7	1569.6
10°	1491.8	1497.8	1503.9	1509.3	1517.7	1524.6	1530.7	1541.4	1546.8	1555.1	1564.2
12.5°	1472.0	1480.3	1485.7	1494.8	1503.9	1510.1	1519.2	1529.1	1537.5	1546.0	1556.7
15°	1454.3	1464.3	1470.4	1480.3	1490.2	1498.6	1508.5	1520.8	1526.9	1536.8	1546.8
17.5°	1435.3	1446.0	1453.6	1462.7	1475.0	1484.1	1492.5	1504.7	1512.3	1523.0	1534.5
20°	1415.4	1426.0	1435.3	1444.4	1456.6	1465.8	1475.7	1487.9	1496.4	1507.0	1516.2
22.5°	1391.7	1401.6	1411.5	1422.2	1434.5	1442.1	1453.6	1464.3	1473.4	1483.3	1492.5
25°	1361.2	1373.4	1381.0	1391.0	1400.9	1409.3	1421.6	1432.2	1439.8	1449.0	1457.4
27.5°	1325.4	1334.5	1340.6	1349.0	1358.9	1366.5	1375.6	1386.4	1394.0	1402.4	1408.5
30°	1264.3	1272.6	1278.0	1284.1	1294.0	1301.0	1308.5	1318.4	1323.8	1329.9	1335.3
32.5°	1184.1	1190.9	1194.0	1198.6	1205.4	1212.3	1218.5	1226.8	1229.2	1232.9	1232.9
35°	1068.1	1069.5	1068.8	1070.3	1073.4	1077.2	1082.6	1087.9	1090.9	1090.9	1088.7
37.5°	932.2	923.0	913.0	905.4	903.2	901.6	904.7	907.0	910.0	911.5	907.8
40°	790.9	770.3	748.1	728.3	714.6	708.5	706.2	707.7	707.7	713.0	713.0
42.5°	669.5	637.4	604.7	574.9	555.0	539.8	532.9	532.9	533.6	537.4	539.8
45°	568.8	528.3	490.2	457.3	429.9	410.0	400.8	398.5	397.8	399.3	404.7
47.5°	491.6	449.7	410.0	369.6	340.5	320.6	312.3	309.2	306.1	309.2	309.9
50°	431.3	387.8	345.8	305.3	274.8	257.3	246.6	242.0	241.2	241.2	242.8
52.5°	376.3	335.9	294.0	252.7	220.6	203.8	194.0	191.6	188.5	191.6	191.6
55°	324.4	284.0	242.8	203.8	177.1	159.5	150.4	147.4	145.8	148.0	148.0
57.5°	268.0	233.6	195.4	160.3	133.6	121.4	114.5	110.7	109.9	111.5	109.9
60°	219.8	190.9	158.1	126.0	105.4	92.4	87.1	85.5	83.9	85.5	85.5
62.5°	174.0	149.6	122.8	98.4	80.9	71.8	65.6	65.6	64.9	64.9	65.6
65°	129.0	109.9	90.9	70.2	56.5	49.6	45.0	45.0	44.3	45.0	44.3
67.5°	93.9	80.9	65.6	51.2	40.5	36.7	33.6	31.3	32.8	31.3	30.5
70°	68.7	58.0	47.4	38.9	31.3	27.4	25.2	24.4	23.0	23.0	23.0
72.5°	45.8	38.9	32.1	25.2	20.6	16.8	16.0	14.5	12.9	13.7	15.3
75°	30.5	26.0	23.0	18.3	13.7	13.7	9.2	9.2	7.6	9.2	6.9
77.5°	21.4	17.6	13.7	11.5	9.2	8.4	6.1	6.1	5.3	5.3	5.3
80°	15.3	12.9	9.9	8.4	6.1	6.1	5.3	4.6	3.8	3.8	4.6
82.5°	9.2	6.9	6.9	6.1	3.8	3.0	2.2	3.0	1.6	1.6	1.6
85°	5.3	4.6	3.8	2.2	1.6	1.6	0.8	0.0	0.8	0.8	0.0
87.5°	3.0	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°	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5
2.5°	1572.6	1571.9	1573.4	1573.4	1578.0	1577.2	1579.5	1579.5	1578.0	1578.8	1581.9
5°	1578.0	1580.3	1584.9	1588.7	1595.6	1598.6	1602.4	1606.3	1607.1	1609.3	1611.6
7.5°	1578.0	1585.7	1591.0	1597.8	1607.1	1612.4	1620.8	1627.6	1630.7	1634.5	1639.1
10°	1574.9	1582.5	1592.6	1600.1	1611.6	1620.0	1628.4	1639.1	1643.6	1649.8	1655.9
12.5°	1568.8	1577.2	1587.9	1597.8	1610.8	1618.4	1629.1	1639.1	1646.0	1654.3	1661.2
15°	1559.7	1569.6	1579.5	1589.4	1603.2	1612.4	1622.2	1633.7	1640.6	1649.8	1655.9
17.5°	1545.2	1555.9	1565.0	1574.2	1587.1	1597.8	1607.1	1617.8	1624.6	1632.3	1640.6
20°	1527.6	1537.5	1547.4	1555.1	1568.1	1577.2	1587.1	1597.0	1602.4	1604.0	1617.0
22.5°	1505.5	1512.3	1520.0	1532.2	1539.8	1548.2	1557.4	1566.6	1571.9	1580.3	1584.9
25°	1468.8	1475.7	1484.1	1489.4	1498.6	1505.5	1514.6	1524.6	1527.6	1533.7	1538.3
27.5°	1417.7	1421.6	1425.4	1429.9	1435.3	1439.1	1444.4	1449.0	1452.0	1455.1	1458.1
30°	1336.7	1336.7	1336.7	1333.7	1336.0	1338.3	1339.1	1338.3	1338.3	1337.5	1337.5
32.5°	1229.9	1223.8	1216.9	1210.8	1208.5	1205.4	1204.0	1201.6	1197.8	1195.5	1196.3
35°	1085.6	1071.9	1063.5	1055.8	1049.7	1045.1	1042.9	1040.5	1039.8	1036.8	1033.6
37.5°	905.4	895.5	889.4	884.8	879.5	874.9	875.6	876.4	878.7	877.2	878.0
40°	714.6	712.2	714.6	709.2	707.7	709.2	713.0	718.4	721.5	724.5	729.8
42.5°	543.6	547.3	552.7	552.7	555.0	558.1	562.6	571.1	575.7	580.9	587.1
45°	409.2	413.8	420.6	422.9	424.5	428.3	433.7	440.4	443.6	448.1	453.5
47.5°	315.3	318.4	322.2	326.0	329.7	331.3	336.7	336.7	340.5	343.6	345.0
50°	245.8	248.8	251.9	254.2	255.7	258.1	259.5	261.9	262.6	264.2	264.9
52.5°	192.4	196.2	196.2	197.7	200.0	202.3	201.6	202.3	203.1	203.1	205.3
55°	150.4	150.4	152.7	152.7	154.2	153.5	154.2	154.2	154.2	154.2	155.0
57.5°	112.2	113.0	115.3	113.7	113.0	114.5	113.0	114.5	113.7	115.3	113.0
60°	86.3	86.3	87.1	87.1	87.8	87.8	87.8	87.1	87.1	86.3	86.3
62.5°	64.9	65.6	66.4	65.6	65.6	65.6	64.9	64.9	64.1	63.3	63.3
65°	43.5	42.8	44.3	42.8	43.5	43.5	42.8	43.5	41.2	42.0	41.2
67.5°	31.3	30.5	29.8	30.5	29.8	29.0	29.0	29.8	30.5	28.2	28.2
70°	20.6	21.4	20.6	21.4	22.2	22.2	21.4	20.6	21.4	19.9	20.6
72.5°	12.9	12.9	12.9	12.9	12.9	13.7	13.7	13.7	12.3	12.3	11.5
75°	6.1	8.4	6.9	6.1	8.4	8.4	7.6	7.6	6.9	6.9	6.9
77.5°	6.1	4.6	4.6	4.6	4.6	4.6	4.6	4.6	3.8	4.6	3.8
80°	3.0	3.0	3.0	2.2	3.0	3.0	3.8	3.0	3.0	2.2	3.8
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: P245950

CATALOG NUMBER: LD8B40D010 ER8B40927 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5
2.5°	1581.1	1580.3	1581.1	1581.9	1581.1	1580.3	1581.1	1581.9	1578.8	1578.0	1579.5
5°	1614.7	1614.7	1616.2	1617.0	1616.2	1614.7	1614.7	1611.6	1609.3	1607.1	1606.3
7.5°	1643.6	1645.2	1646.7	1647.4	1646.7	1645.2	1643.6	1639.1	1634.5	1630.7	1627.6
10°	1661.2	1663.5	1666.6	1668.0	1666.6	1663.5	1661.2	1655.9	1649.8	1643.6	1639.1
12.5°	1668.8	1671.2	1675.0	1674.2	1675.0	1671.2	1668.8	1661.2	1654.3	1646.0	1639.1
15°	1663.5	1666.6	1670.4	1671.9	1670.4	1666.6	1663.5	1655.9	1649.8	1640.6	1633.7
17.5°	1646.7	1651.3	1653.6	1655.9	1653.6	1651.3	1646.7	1640.6	1632.3	1624.6	1617.8
20°	1623.8	1626.9	1629.9	1630.7	1629.9	1626.9	1623.8	1617.0	1604.0	1602.4	1597.0
22.5°	1591.0	1593.3	1600.1	1597.8	1600.1	1593.3	1591.0	1584.9	1580.3	1571.9	1566.6
25°	1543.6	1546.0	1546.8	1547.4	1546.8	1546.0	1543.6	1538.3	1533.7	1527.6	1524.6
27.5°	1461.9	1461.9	1463.5	1464.3	1463.5	1461.9	1461.9	1458.1	1455.1	1452.0	1449.0
30°	1338.3	1338.3	1338.3	1342.1	1338.3	1338.3	1338.3	1337.5	1337.5	1338.3	1338.3
32.5°	1195.5	1194.0	1192.5	1194.0	1192.5	1194.0	1195.5	1196.3	1195.5	1197.8	1201.6
35°	1033.6	1032.9	1035.2	1032.2	1035.2	1032.9	1033.6	1033.6	1036.8	1039.8	1040.5
37.5°	878.7	877.2	880.2	877.2	880.2	877.2	878.7	878.0	877.2	878.7	876.4
40°	731.4	732.9	732.9	739.0	732.9	732.9	731.4	729.8	724.5	721.5	718.4
42.5°	590.2	594.7	593.2	597.7	593.2	594.7	590.2	587.1	580.9	575.7	571.1
45°	456.5	459.6	459.6	461.1	459.6	459.6	456.5	453.5	448.1	443.6	440.4
47.5°	350.4	350.4	350.4	351.2	350.4	350.4	350.4	345.0	343.6	340.5	336.7
50°	266.4	267.2	268.0	268.8	268.0	267.2	266.4	264.9	264.2	262.6	261.9
52.5°	204.6	205.3	203.8	205.3	203.8	205.3	204.6	205.3	203.1	203.1	202.3
55°	155.0	154.2	155.0	155.7	155.0	154.2	155.0	155.0	154.2	154.2	154.2
57.5°	113.7	112.2	112.2	112.2	112.2	112.2	113.7	113.0	115.3	113.7	114.5
60°	84.7	85.5	85.5	86.3	85.5	85.5	84.7	86.3	86.3	87.1	87.1
62.5°	62.6	64.9	63.3	64.9	63.3	64.9	62.6	63.3	63.3	64.1	64.9
65°	40.5	40.5	40.5	41.2	40.5	40.5	40.5	41.2	42.0	41.2	43.5
67.5°	27.4	28.2	29.8	29.0	29.8	28.2	27.4	28.2	28.2	30.5	29.8
70°	22.2	19.9	19.9	22.2	19.9	19.9	22.2	20.6	19.9	21.4	20.6
72.5°	12.9	11.5	12.9	12.9	12.9	11.5	12.9	11.5	12.3	12.3	13.7
75°	6.9	6.1	5.3	7.6	5.3	6.1	6.9	6.9	6.9	6.9	7.6
77.5°	4.6	3.8	5.3	5.3	5.3	3.8	4.6	3.8	4.6	3.8	4.6
80°	2.2	3.0	2.2	3.8	2.2	3.0	2.2	3.8	2.2	3.0	3.0
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: P245950

CATALOG NUMBER: LD8B40D010 ER8B40927 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5
2.5°	1579.5	1577.2	1578.0	1573.4	1573.4	1571.9	1572.6	1568.8	1567.4	1565.8	1568.1
5°	1602.4	1598.6	1595.6	1588.7	1584.9	1580.3	1578.0	1571.9	1566.6	1562.0	1561.2
7.5°	1620.8	1612.4	1607.1	1597.8	1591.0	1585.7	1578.0	1569.6	1562.7	1556.7	1552.0
10°	1628.4	1620.0	1611.6	1600.1	1592.6	1582.5	1574.9	1564.2	1555.1	1546.8	1541.4
12.5°	1629.1	1618.4	1610.8	1597.8	1587.9	1577.2	1568.8	1556.7	1546.0	1537.5	1529.1
15°	1622.2	1612.4	1603.2	1589.4	1579.5	1569.6	1559.7	1546.8	1536.8	1526.9	1520.8
17.5°	1607.1	1597.8	1587.1	1574.2	1565.0	1555.9	1545.2	1534.5	1523.0	1512.3	1504.7
20°	1587.1	1577.2	1568.1	1555.1	1547.4	1537.5	1527.6	1516.2	1507.0	1496.4	1487.9
22.5°	1557.4	1548.2	1539.8	1532.2	1520.0	1512.3	1505.5	1492.5	1483.3	1473.4	1464.3
25°	1514.6	1505.5	1498.6	1489.4	1484.1	1475.7	1468.8	1457.4	1449.0	1439.8	1432.2
27.5°	1444.4	1439.1	1435.3	1429.9	1425.4	1421.6	1417.7	1408.5	1402.4	1394.0	1386.4
30°	1339.1	1338.3	1336.0	1333.7	1336.7	1336.7	1336.7	1335.3	1329.9	1323.8	1318.4
32.5°	1204.0	1205.4	1208.5	1210.8	1216.9	1223.8	1229.9	1232.9	1232.9	1229.2	1226.8
35°	1042.9	1045.1	1049.7	1055.8	1063.5	1071.9	1085.6	1088.7	1090.9	1090.9	1087.9
37.5°	875.6	874.9	879.5	884.8	889.4	895.5	905.4	907.8	911.5	910.0	907.0
40°	713.0	709.2	707.7	709.2	714.6	712.2	714.6	713.0	713.0	707.7	707.7
42.5°	562.6	558.1	555.0	552.7	552.7	547.3	543.6	539.8	537.4	533.6	532.9
45°	433.7	428.3	424.5	422.9	420.6	413.8	409.2	404.7	399.3	397.8	398.5
47.5°	336.7	331.3	329.7	326.0	322.2	318.4	315.3	309.9	309.2	306.1	309.2
50°	259.5	258.1	255.7	254.2	251.9	248.8	245.8	242.8	241.2	241.2	242.0
52.5°	201.6	202.3	200.0	197.7	196.2	196.2	192.4	191.6	191.6	188.5	191.6
55°	154.2	153.5	154.2	152.7	152.7	150.4	150.4	148.0	148.0	145.8	147.4
57.5°	113.0	114.5	113.0	113.7	115.3	113.0	112.2	109.9	111.5	109.9	110.7
60°	87.8	87.8	87.8	87.1	87.1	86.3	86.3	85.5	85.5	83.9	85.5
62.5°	64.9	65.6	65.6	65.6	66.4	65.6	64.9	65.6	64.9	64.9	65.6
65°	42.8	43.5	43.5	42.8	44.3	42.8	43.5	44.3	45.0	44.3	45.0
67.5°	29.0	29.0	29.8	30.5	29.8	30.5	31.3	30.5	31.3	32.8	31.3
70°	21.4	22.2	22.2	21.4	20.6	21.4	20.6	23.0	23.0	23.0	24.4
72.5°	13.7	13.7	12.9	12.9	12.9	12.9	12.9	15.3	13.7	12.9	14.5
75°	7.6	8.4	8.4	6.1	6.9	8.4	6.1	6.9	9.2	7.6	9.2
77.5°	4.6	4.6	4.6	4.6	4.6	4.6	6.1	5.3	5.3	5.3	6.1
80°	3.8	3.0	3.0	2.2	3.0	3.0	3.0	4.6	3.8	3.8	4.6
82.5°	1.6	1.6	0.8	0.0	1.6	1.6	1.6	1.6	1.6	1.6	3.0
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: P245950

CATALOG NUMBER: LD8B40D010 ER8B40927 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5
2.5°	1562.0	1562.0	1561.2	1559.7	1556.7	1556.7	1555.9	1553.6	1552.0	1551.3	1551.3
5°	1554.3	1551.3	1548.2	1539.8	1539.8	1538.3	1533.7	1530.7	1529.1	1525.3	1523.8
7.5°	1547.4	1538.3	1532.9	1527.6	1520.8	1517.7	1512.3	1510.1	1504.7	1500.9	1498.6
10°	1530.7	1524.6	1517.7	1509.3	1503.9	1497.8	1491.8	1487.1	1480.3	1476.4	1473.4
12.5°	1519.2	1510.1	1503.9	1494.8	1485.7	1480.3	1472.0	1466.6	1459.7	1452.0	1447.4
15°	1508.5	1498.6	1490.2	1480.3	1470.4	1464.3	1454.3	1448.2	1438.3	1430.7	1425.4
17.5°	1492.5	1484.1	1475.0	1462.7	1453.6	1446.0	1435.3	1427.6	1418.4	1408.5	1403.2
20°	1475.7	1465.8	1456.6	1444.4	1435.3	1426.0	1415.4	1407.0	1396.4	1387.1	1381.0
22.5°	1453.6	1442.1	1434.5	1422.2	1411.5	1401.6	1391.7	1381.8	1371.8	1364.3	1357.3
25°	1421.6	1409.3	1400.9	1391.0	1381.0	1373.4	1361.2	1355.1	1345.2	1338.3	1331.4
27.5°	1375.6	1366.5	1358.9	1349.0	1340.6	1334.5	1325.4	1319.2	1310.7	1304.7	1299.4
30°	1308.5	1301.0	1294.0	1284.1	1278.0	1272.6	1264.3	1258.9	1252.8	1245.9	1244.4
32.5°	1218.5	1212.3	1205.4	1198.6	1194.0	1190.9	1184.1	1181.0	1175.0	1171.1	1167.3
35°	1082.6	1077.2	1073.4	1070.3	1068.8	1069.5	1068.1	1071.1	1072.6	1071.9	1072.6
37.5°	904.7	901.6	903.2	905.4	913.0	923.0	932.2	945.9	955.0	964.2	972.6
40°	706.2	708.5	714.6	728.3	748.1	770.3	790.9	816.9	842.8	861.2	878.0
42.5°	532.9	539.8	555.0	574.9	604.7	637.4	669.5	707.7	739.0	769.5	790.9
45°	400.8	410.0	429.9	457.3	490.2	528.3	568.8	611.6	648.9	680.2	703.9
47.5°	312.3	320.6	340.5	369.6	410.0	449.7	491.6	535.9	574.9	605.4	626.1
50°	246.6	257.3	274.8	305.3	345.8	387.8	431.3	474.9	511.5	537.4	555.8
52.5°	194.0	203.8	220.6	252.7	294.0	335.9	376.3	419.2	451.1	476.3	488.6
55°	150.4	159.5	177.1	203.8	242.8	284.0	324.4	361.1	390.8	409.2	420.6
57.5°	114.5	121.4	133.6	160.3	195.4	233.6	268.0	304.7	327.5	340.5	348.1
60°	87.1	92.4	105.4	126.0	158.1	190.9	219.8	247.4	265.7	276.4	284.0
62.5°	65.6	71.8	80.9	98.4	122.8	149.6	174.0	194.6	209.9	216.8	222.2
65°	45.0	49.6	56.5	70.2	90.9	109.9	129.0	144.3	154.2	161.9	164.9
67.5°	33.6	36.7	40.5	51.2	65.6	80.9	93.9	104.6	115.3	118.4	123.6
70°	25.2	27.4	31.3	38.9	47.4	58.0	68.7	74.8	82.5	87.8	89.3
72.5°	16.0	16.8	20.6	25.2	32.1	38.9	45.8	51.2	55.8	58.8	60.3
75°	9.2	13.7	13.7	18.3	23.0	26.0	30.5	34.3	36.7	38.9	38.9
77.5°	6.1	8.4	9.2	11.5	13.7	17.6	21.4	23.6	26.0	26.7	26.7
80°	5.3	6.1	6.1	8.4	9.9	12.9	15.3	16.0	17.6	18.3	19.9
82.5°	2.2	3.0	3.8	6.1	6.9	6.9	9.2	9.9	11.5	12.3	12.3
85°	0.8	1.6	1.6	2.2	3.8	4.6	5.3	6.1	6.9	6.9	7.6
87.5°	0.8	0.8	0.0	0.8	1.6	1.6	3.0	3.0	3.0	4.6	4.6
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: P245950

CATALOG NUMBER: LD8B40D010 ER8B40927 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5
2.5°	1549.8	1550.5	1547.4	1546.8	1545.2	1546.0	1547.4
5°	1521.6	1522.2	1519.2	1516.2	1516.2	1515.4	1516.2
7.5°	1494.8	1495.6	1491.0	1489.4	1486.4	1487.1	1487.1
10°	1468.0	1468.0	1461.3	1460.5	1458.1	1457.4	1457.4
12.5°	1442.1	1439.8	1434.5	1431.4	1432.9	1428.4	1428.4
15°	1419.2	1415.4	1408.5	1406.2	1402.4	1400.9	1400.9
17.5°	1395.6	1392.5	1386.4	1381.8	1377.2	1376.4	1377.2
20°	1372.6	1369.6	1361.9	1358.9	1355.1	1355.1	1353.6
22.5°	1349.8	1346.6	1339.9	1337.5	1332.2	1332.2	1332.9
25°	1326.0	1323.8	1316.1	1314.7	1313.9	1310.7	1312.3
27.5°	1294.0	1292.5	1286.3	1284.1	1281.0	1280.2	1281.8
30°	1235.2	1232.9	1228.4	1226.0	1220.7	1221.5	1223.0
32.5°	1161.9	1158.9	1152.8	1150.4	1145.9	1144.4	1145.1
35°	1070.3	1068.1	1062.7	1062.7	1058.1	1056.6	1058.1
37.5°	977.2	979.4	977.2	979.4	977.2	976.4	977.2
40°	889.4	897.8	899.3	907.8	904.7	909.2	908.4
42.5°	805.4	819.1	824.5	831.4	829.9	833.0	835.2
45°	720.7	732.2	737.4	742.1	742.8	744.3	745.1
47.5°	640.5	649.7	650.5	655.8	655.0	655.0	657.3
50°	565.8	571.8	573.3	577.1	574.1	572.5	573.3
52.5°	496.2	502.3	500.8	502.3	498.5	497.0	497.7
55°	425.2	428.3	428.3	428.3	423.7	423.7	423.7
57.5°	352.7	353.5	351.9	352.7	351.9	347.4	346.6
60°	286.3	286.3	285.5	286.3	284.0	281.7	281.7
62.5°	223.6	225.2	228.3	225.2	223.6	225.2	222.9
65°	167.2	170.2	169.4	171.0	170.2	170.2	168.8
67.5°	126.0	126.7	127.5	128.2	128.2	128.2	128.2
70°	92.4	94.7	93.9	93.9	93.9	93.9	98.4
72.5°	61.9	64.9	64.1	65.6	65.6	67.2	65.6
75°	42.0	45.0	43.5	45.8	45.0	43.5	47.4
77.5°	28.2	29.8	30.5	31.3	30.5	29.8	30.5
80°	19.9	21.4	20.6	21.4	21.4	21.4	22.2
82.5°	12.3	14.5	13.7	14.5	13.7	14.5	14.5
85°	8.4	9.2	7.6	9.2	8.4	8.4	9.9
87.5°	5.3	4.6	4.6	5.3	4.6	5.3	4.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)