

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: P246015

Luminaire Tested: **LD8B30D010 ER8B30950 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246015
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 ER8B30950 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 5000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2823.0 lumens
Efficiency: N/A
Efficacy: 104.2 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

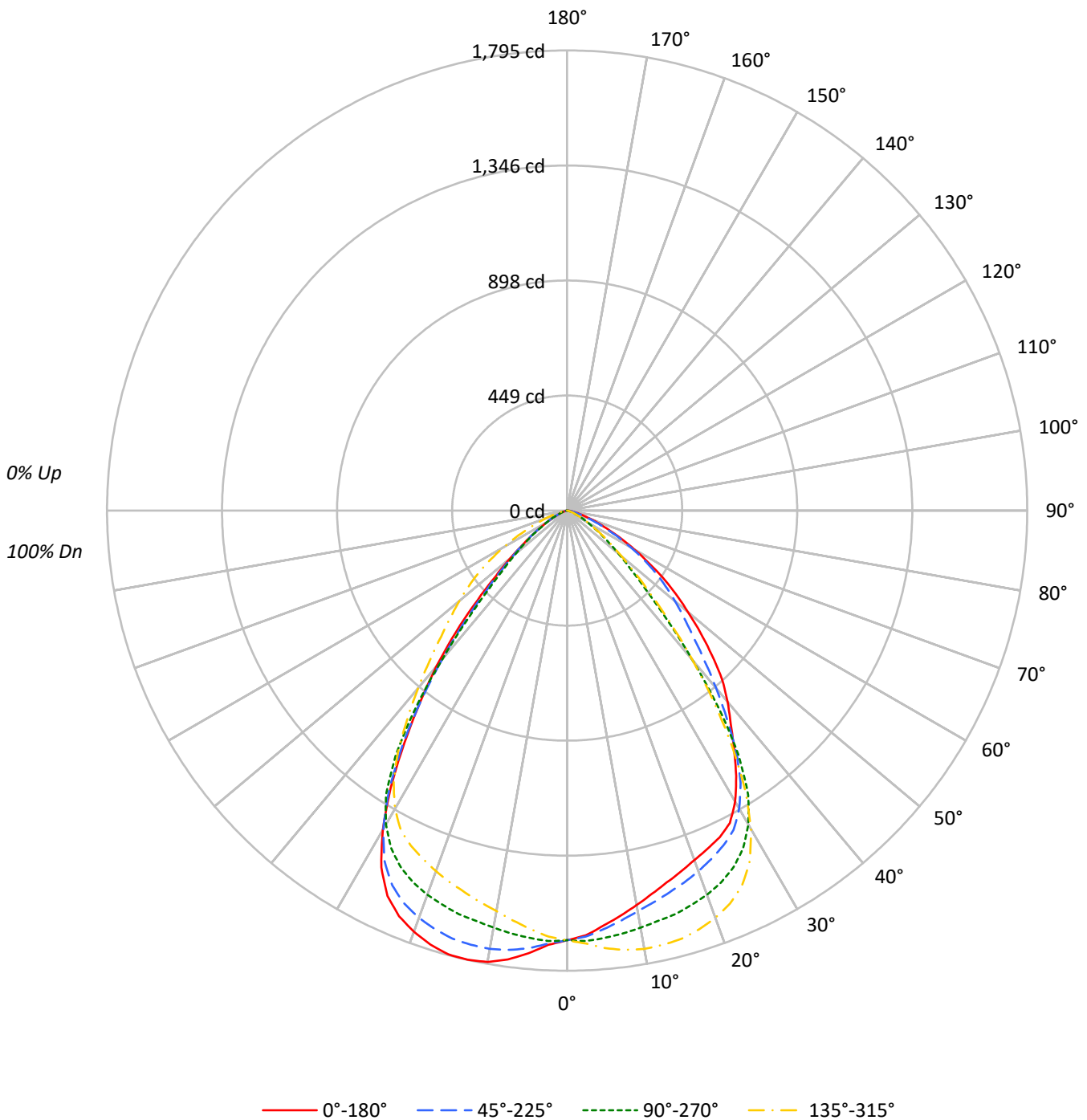
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	51679	51679	51679	51679
5°	50307	51802	53650	51802
10°	48916	51734	55986	51734
15°	47937	52039	57211	52039
20°	47612	52337	57358	52337
25°	47862	52234	56436	52234
30°	46677	50319	51224	50319
35°	42696	43897	41650	43897
40°	39199	30537	31889	30537
45°	34831	18630	21556	18630
50°	29479	12444	13821	12444
55°	24418	8489	8973	8489
60°	18625	5655	5705	5655
65°	13192	3524	3225	3524
70°	9521	2362	2137	2362
75°	6041	1168	977	1168
80°	4209	870	728	870
85°	3750	0	283	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.5	5.7
10°-20°	461.9	16.4
20°-30°	699.5	24.8
30°-40°	701.0	24.8
40°-50°	440.2	15.6
50°-60°	234.6	8.3
60°-70°	96.5	3.4
70°-80°	25.5	0.9
80°-90°	4.3	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°	1320.9	46.8
0°-40°	2021.9	71.6
0°-60°	2696.7	95.5
0°-90°	2823.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2823.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1676	1676	1676	1676	1676	
5°	1625	1674	1733	1674	1625	153
15°	1502	1630	1792	1630	1502	425
25°	1407	1535	1659	1535	1407	645
35°	1134	1166	1106	1166	1134	711
45°	799	427	494	427	799	614
55°	454	158	167	158	454	405
65°	181	48	44	48	181	188
75°	51	10	8	10	51	57
85°	11	0	1	0	11	12
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°	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9
2.5°	1658.7	1657.1	1656.3	1657.9	1658.7	1662.0	1661.2	1662.8	1662.8	1663.7	1665.3
5°	1625.2	1624.4	1625.2	1625.2	1628.5	1631.7	1630.9	1633.4	1635.0	1639.1	1640.7
7.5°	1594.1	1594.1	1593.3	1596.5	1598.2	1603.1	1602.3	1606.4	1608.8	1612.9	1618.6
10°	1562.2	1562.2	1563.0	1565.4	1566.3	1573.6	1573.6	1579.4	1582.6	1586.7	1594.1
12.5°	1531.1	1531.1	1536.0	1534.4	1537.6	1543.3	1545.8	1551.5	1556.5	1564.6	1572.0
15°	1501.6	1501.6	1503.3	1507.3	1509.8	1517.2	1521.3	1527.8	1533.5	1541.7	1552.4
17.5°	1476.3	1475.4	1476.3	1481.2	1486.1	1492.6	1495.9	1504.1	1509.8	1520.4	1530.3
20°	1450.9	1452.5	1452.5	1456.6	1459.9	1468.1	1471.3	1480.4	1486.9	1496.7	1508.2
22.5°	1428.8	1428.0	1428.0	1433.7	1436.2	1443.5	1446.8	1455.0	1462.3	1470.5	1481.2
25°	1406.7	1405.0	1408.3	1409.2	1410.8	1419.0	1421.4	1427.1	1434.5	1441.9	1452.5
27.5°	1374.0	1372.3	1373.2	1376.4	1378.9	1385.4	1387.1	1392.8	1398.5	1405.0	1414.1
30°	1310.9	1309.3	1308.5	1314.2	1316.7	1321.6	1324.0	1333.9	1335.5	1342.9	1349.4
32.5°	1227.5	1226.7	1228.3	1233.2	1235.7	1242.2	1245.5	1251.2	1255.3	1259.4	1265.9
35°	1134.2	1132.6	1134.2	1139.1	1139.1	1144.8	1147.3	1149.7	1148.9	1149.7	1148.1
37.5°	1047.5	1046.6	1047.5	1049.9	1047.5	1049.9	1047.5	1042.6	1033.6	1023.7	1013.9
40°	973.8	974.6	969.7	973.0	964.0	962.4	953.4	941.1	923.1	903.4	875.6
42.5°	895.3	892.8	889.5	891.1	883.8	878.0	863.3	847.8	824.9	792.2	758.6
45°	798.7	797.9	796.2	795.4	790.5	784.8	772.5	754.5	729.1	695.6	655.5
47.5°	704.6	702.1	702.1	702.9	697.2	696.4	686.6	671.0	648.9	616.2	574.5
50°	614.5	613.7	615.4	618.7	614.5	612.9	606.4	595.7	576.1	548.3	509.0
52.5°	533.5	532.7	534.4	538.5	536.8	538.5	531.9	523.7	510.6	483.6	449.3
55°	454.2	454.2	454.2	459.1	459.1	459.1	455.8	450.9	438.6	419.0	387.1
57.5°	371.5	372.3	377.2	378.1	377.2	378.9	378.1	373.1	365.0	351.1	326.5
60°	302.0	302.0	304.4	306.9	306.0	306.9	306.9	304.4	296.2	284.8	265.2
62.5°	238.9	241.4	239.8	241.4	244.7	241.4	239.8	238.1	232.4	225.0	208.7
65°	180.8	182.5	182.5	183.3	181.7	182.5	179.2	176.8	173.5	165.3	154.7
67.5°	137.5	137.5	137.5	137.5	136.7	135.8	135.0	132.6	126.8	123.6	112.1
70°	105.6	100.6	100.6	100.6	100.6	101.5	99.0	95.8	94.1	88.4	80.2
72.5°	70.4	72.0	70.4	70.4	68.7	69.6	66.3	64.6	63.0	59.8	54.8
75°	50.7	46.7	48.3	49.1	46.7	48.3	45.0	41.7	41.7	39.3	36.8
77.5°	32.7	31.9	32.7	33.5	32.7	31.9	30.3	28.6	28.6	27.8	25.4
80°	23.7	22.9	22.9	22.9	22.1	22.9	21.3	21.3	19.6	18.8	17.2
82.5°	15.6	15.6	14.7	15.6	14.7	15.6	13.1	13.1	13.1	12.3	10.6
85°	10.6	9.0	9.0	9.8	8.2	9.8	9.0	8.2	7.4	7.4	6.5
87.5°	4.9	5.7	4.9	5.7	4.9	4.9	5.7	4.9	4.9	3.3	3.3
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9
2.5°	1667.7	1668.5	1668.5	1671.9	1673.5	1674.3	1674.3	1680.8	1678.4	1680.0	1681.7
5°	1644.0	1648.9	1650.6	1650.6	1659.6	1662.8	1666.1	1673.5	1674.3	1679.2	1684.9
7.5°	1621.1	1626.8	1630.1	1637.5	1643.2	1648.9	1658.7	1663.7	1668.5	1675.1	1682.5
10°	1599.0	1605.6	1612.1	1617.8	1626.8	1634.2	1640.7	1652.2	1657.9	1666.9	1676.7
12.5°	1577.7	1586.7	1592.5	1602.3	1612.1	1618.6	1628.5	1639.1	1648.1	1657.1	1668.5
15°	1558.9	1569.6	1576.1	1586.7	1597.4	1606.4	1617.0	1630.1	1636.7	1647.3	1657.9
17.5°	1538.4	1549.9	1558.1	1567.9	1581.0	1590.8	1599.8	1612.9	1621.1	1632.5	1644.8
20°	1517.2	1528.6	1538.4	1548.3	1561.4	1571.2	1581.8	1594.9	1603.9	1615.4	1625.2
22.5°	1491.8	1502.5	1513.1	1524.5	1537.6	1545.8	1558.1	1569.6	1579.4	1590.0	1599.8
25°	1459.1	1472.2	1480.4	1491.0	1501.6	1510.6	1523.7	1535.2	1543.3	1553.2	1562.2
27.5°	1420.6	1430.4	1437.0	1446.0	1456.6	1464.8	1474.6	1486.1	1494.3	1503.3	1509.8
30°	1355.1	1364.2	1369.9	1376.4	1387.1	1394.4	1402.6	1413.2	1419.0	1425.5	1431.3
32.5°	1269.2	1276.6	1279.8	1284.8	1292.1	1299.5	1306.1	1315.0	1317.5	1321.6	1321.6
35°	1144.8	1146.5	1145.7	1147.3	1150.6	1154.6	1160.4	1166.1	1169.4	1169.4	1166.9
37.5°	999.2	989.4	978.7	970.5	968.1	966.4	969.7	972.2	975.5	977.1	973.0
40°	847.8	825.7	802.0	780.7	765.9	759.4	757.0	758.6	758.6	764.3	764.3
42.5°	717.7	683.3	648.1	616.2	594.9	578.6	571.2	571.2	572.0	576.1	578.6
45°	609.7	566.3	525.4	490.2	460.7	439.4	429.6	427.2	426.4	428.0	433.7
47.5°	527.0	482.0	439.4	396.1	365.0	343.7	334.7	331.4	328.1	331.4	332.2
50°	462.4	415.7	370.7	327.3	294.6	275.8	264.3	259.4	258.6	258.6	260.2
52.5°	403.4	360.1	315.1	270.9	236.5	218.5	207.9	205.4	202.1	205.4	205.4
55°	347.8	304.4	260.2	218.5	189.8	171.0	161.2	157.9	156.3	158.7	158.7
57.5°	287.2	250.4	209.5	171.9	143.2	130.1	122.7	118.7	117.8	119.5	117.8
60°	235.7	204.6	169.4	135.0	112.9	99.0	93.3	91.7	90.0	91.7	91.7
62.5°	186.6	160.4	131.7	105.6	86.7	76.9	70.4	70.4	69.6	69.6	70.4
65°	138.3	117.8	97.4	75.3	60.6	53.2	48.3	48.3	47.5	48.3	47.5
67.5°	100.6	86.7	70.4	54.8	43.4	39.3	36.0	33.5	35.2	33.5	32.7
70°	73.7	62.2	50.7	41.7	33.5	29.5	27.0	26.2	24.6	24.6	24.6
72.5°	49.1	41.7	34.4	27.0	22.1	18.0	17.2	15.6	13.9	14.7	16.4
75°	32.7	27.8	24.6	19.6	14.7	14.7	9.8	9.8	8.2	9.8	7.4
77.5°	22.9	18.8	14.7	12.3	9.8	9.0	6.5	6.5	5.7	5.7	5.7
80°	16.4	13.9	10.6	9.0	6.5	6.5	5.7	4.9	4.1	4.1	4.9
82.5°	9.8	7.4	7.4	6.5	4.1	3.3	2.5	3.3	1.7	1.7	1.7
85°	5.7	4.9	4.1	2.5	1.7	1.7	0.8	0.0	0.8	0.8	0.0
87.5°	3.3	1.7	1.7	0.8	0.0	0.8	0.8	0.0	0.0	0.0	1.7
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9
2.5°	1685.8	1684.9	1686.6	1686.6	1691.5	1690.6	1693.1	1693.1	1691.5	1692.3	1695.6
5°	1691.5	1693.9	1698.8	1702.9	1710.3	1713.6	1717.7	1721.8	1722.6	1725.0	1727.5
7.5°	1691.5	1699.7	1705.4	1712.7	1722.6	1728.3	1737.3	1744.7	1747.9	1752.0	1756.9
10°	1688.2	1696.4	1707.0	1715.2	1727.5	1736.5	1745.5	1756.9	1761.9	1768.4	1775.0
12.5°	1681.7	1690.6	1702.1	1712.7	1726.7	1734.8	1746.3	1756.9	1764.3	1773.3	1780.7
15°	1671.9	1682.5	1693.1	1703.7	1718.5	1728.3	1738.9	1751.2	1758.6	1768.4	1775.0
17.5°	1656.3	1667.7	1677.6	1687.4	1701.3	1712.7	1722.6	1734.0	1741.4	1749.6	1758.6
20°	1637.5	1648.1	1658.7	1666.9	1680.8	1690.6	1701.3	1711.9	1717.7	1719.3	1733.2
22.5°	1613.7	1621.1	1629.3	1642.4	1650.6	1659.6	1669.4	1679.2	1684.9	1693.9	1698.8
25°	1574.4	1581.8	1590.8	1596.5	1606.4	1613.7	1623.5	1634.2	1637.5	1644.0	1648.9
27.5°	1519.6	1523.7	1527.8	1532.7	1538.4	1542.5	1548.3	1553.2	1556.5	1559.7	1563.0
30°	1432.9	1432.9	1432.9	1429.6	1432.1	1434.5	1435.3	1434.5	1434.5	1433.7	1433.7
32.5°	1318.3	1311.8	1304.4	1297.9	1295.4	1292.1	1290.5	1288.0	1284.0	1281.5	1282.3
35°	1163.6	1148.9	1139.9	1131.7	1125.2	1120.3	1117.8	1115.4	1114.6	1111.3	1108.0
37.5°	970.5	959.9	953.4	948.4	942.7	937.8	938.6	939.4	941.9	940.3	941.1
40°	765.9	763.5	765.9	760.2	758.6	760.2	764.3	770.1	773.3	776.6	782.3
42.5°	582.6	586.7	592.5	592.5	594.9	598.2	603.1	612.1	617.0	622.7	629.3
45°	438.6	443.5	450.9	453.3	455.0	459.1	464.8	472.2	475.4	480.4	486.1
47.5°	338.0	341.2	345.3	349.4	353.5	355.2	360.9	360.9	365.0	368.3	369.9
50°	263.5	266.8	270.0	272.5	274.1	276.6	278.2	280.7	281.5	283.1	283.9
52.5°	206.2	210.3	210.3	211.9	214.4	216.9	216.0	216.9	217.7	217.7	220.1
55°	161.2	161.2	163.7	163.7	165.3	164.5	165.3	165.3	165.3	165.3	166.1
57.5°	120.3	121.1	123.6	121.9	121.1	122.7	121.1	122.7	121.9	123.6	121.1
60°	92.5	92.5	93.3	93.3	94.1	94.1	94.1	93.3	93.3	92.5	92.5
62.5°	69.6	70.4	71.2	70.4	70.4	70.4	69.6	69.6	68.7	67.9	67.9
65°	46.7	45.8	47.5	45.8	46.7	46.7	45.8	46.7	44.2	45.0	44.2
67.5°	33.5	32.7	31.9	32.7	31.9	31.1	31.1	31.9	32.7	30.3	30.3
70°	22.1	22.9	22.1	22.9	23.7	23.7	22.9	22.1	22.9	21.3	22.1
72.5°	13.9	13.9	13.9	13.9	13.9	14.7	14.7	14.7	13.1	13.1	12.3
75°	6.5	9.0	7.4	6.5	9.0	9.0	8.2	8.2	7.4	7.4	7.4
77.5°	6.5	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.1	4.9	4.1
80°	3.3	3.3	3.3	2.5	3.3	3.3	4.1	3.3	3.3	2.5	4.1
82.5°	1.7	1.7	1.7	0.0	0.8	1.7	1.7	0.8	1.7	1.7	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: P246015

CATALOG NUMBER: LD8B30D010 ER8B30950 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9
2.5°	1694.8	1693.9	1694.8	1695.6	1694.8	1693.9	1694.8	1695.6	1692.3	1691.5	1693.1
5°	1730.8	1730.8	1732.4	1733.2	1732.4	1730.8	1730.8	1727.5	1725.0	1722.6	1721.8
7.5°	1761.9	1763.5	1765.1	1765.9	1765.1	1763.5	1761.9	1756.9	1752.0	1747.9	1744.7
10°	1780.7	1783.1	1786.4	1788.0	1786.4	1783.1	1780.7	1775.0	1768.4	1761.9	1756.9
12.5°	1788.9	1791.3	1795.4	1794.6	1795.4	1791.3	1788.9	1780.7	1773.3	1764.3	1756.9
15°	1783.1	1786.4	1790.5	1792.1	1790.5	1786.4	1783.1	1775.0	1768.4	1758.6	1751.2
17.5°	1765.1	1770.0	1772.5	1775.0	1772.5	1770.0	1765.1	1758.6	1749.6	1741.4	1734.0
20°	1740.6	1743.9	1747.1	1747.9	1747.1	1743.9	1740.6	1733.2	1719.3	1717.7	1711.9
22.5°	1705.4	1707.9	1715.2	1712.7	1715.2	1707.9	1705.4	1698.8	1693.9	1684.9	1679.2
25°	1654.6	1657.1	1657.9	1658.7	1657.9	1657.1	1654.6	1648.9	1644.0	1637.5	1634.2
27.5°	1567.1	1567.1	1568.7	1569.6	1568.7	1567.1	1567.1	1563.0	1559.7	1556.5	1553.2
30°	1434.5	1434.5	1434.5	1438.6	1434.5	1434.5	1434.5	1433.7	1433.7	1434.5	1434.5
32.5°	1281.5	1279.8	1278.2	1279.8	1278.2	1279.8	1281.5	1282.3	1281.5	1284.0	1288.0
35°	1108.0	1107.2	1109.6	1106.4	1109.6	1107.2	1108.0	1108.0	1111.3	1114.6	1115.4
37.5°	941.9	940.3	943.5	940.3	943.5	940.3	941.9	941.1	940.3	941.9	939.4
40°	784.0	785.6	785.6	792.2	785.6	785.6	784.0	782.3	776.6	773.3	770.1
42.5°	632.6	637.5	635.8	640.7	635.8	637.5	632.6	629.3	622.7	617.0	612.1
45°	489.3	492.6	492.6	494.3	492.6	492.6	489.3	486.1	480.4	475.4	472.2
47.5°	375.6	375.6	375.6	376.4	375.6	375.6	375.6	369.9	368.3	365.0	360.9
50°	285.6	286.4	287.2	288.1	287.2	286.4	285.6	283.9	283.1	281.5	280.7
52.5°	219.3	220.1	218.5	220.1	218.5	220.1	219.3	220.1	217.7	217.7	216.9
55°	166.1	165.3	166.1	166.9	166.1	165.3	166.1	166.1	165.3	165.3	165.3
57.5°	121.9	120.3	120.3	120.3	120.3	120.3	121.9	121.1	123.6	121.9	122.7
60°	90.8	91.7	91.7	92.5	91.7	91.7	90.8	92.5	92.5	93.3	93.3
62.5°	67.1	69.6	67.9	69.6	67.9	69.6	67.1	67.9	67.9	68.7	69.6
65°	43.4	43.4	43.4	44.2	43.4	43.4	43.4	44.2	45.0	44.2	46.7
67.5°	29.5	30.3	31.9	31.1	31.9	30.3	29.5	30.3	30.3	32.7	31.9
70°	23.7	21.3	21.3	23.7	21.3	21.3	23.7	22.1	21.3	22.9	22.1
72.5°	13.9	12.3	13.9	13.9	13.9	12.3	13.9	12.3	13.1	13.1	14.7
75°	7.4	6.5	5.7	8.2	5.7	6.5	7.4	7.4	7.4	7.4	8.2
77.5°	4.9	4.1	5.7	5.7	5.7	4.1	4.9	4.1	4.9	4.1	4.9
80°	2.5	3.3	2.5	4.1	2.5	3.3	2.5	4.1	2.5	3.3	3.3
82.5°	0.8	1.7	1.7	1.7	1.7	1.7	0.8	0.8	1.7	1.7	0.8
85°	0.0	1.7	0.8	0.8	0.8	1.7	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: P246015

CATALOG NUMBER: LD8B30D010 ER8B30950 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9
2.5°	1693.1	1690.6	1691.5	1686.6	1686.6	1684.9	1685.8	1681.7	1680.0	1678.4	1680.8
5°	1717.7	1713.6	1710.3	1702.9	1698.8	1693.9	1691.5	1684.9	1679.2	1674.3	1673.5
7.5°	1737.3	1728.3	1722.6	1712.7	1705.4	1699.7	1691.5	1682.5	1675.1	1668.5	1663.7
10°	1745.5	1736.5	1727.5	1715.2	1707.0	1696.4	1688.2	1676.7	1666.9	1657.9	1652.2
12.5°	1746.3	1734.8	1726.7	1712.7	1702.1	1690.6	1681.7	1668.5	1657.1	1648.1	1639.1
15°	1738.9	1728.3	1718.5	1703.7	1693.1	1682.5	1671.9	1657.9	1647.3	1636.7	1630.1
17.5°	1722.6	1712.7	1701.3	1687.4	1677.6	1667.7	1656.3	1644.8	1632.5	1621.1	1612.9
20°	1701.3	1690.6	1680.8	1666.9	1658.7	1648.1	1637.5	1625.2	1615.4	1603.9	1594.9
22.5°	1669.4	1659.6	1650.6	1642.4	1629.3	1621.1	1613.7	1599.8	1590.0	1579.4	1569.6
25°	1623.5	1613.7	1606.4	1596.5	1590.8	1581.8	1574.4	1562.2	1553.2	1543.3	1535.2
27.5°	1548.3	1542.5	1538.4	1532.7	1527.8	1523.7	1519.6	1509.8	1503.3	1494.3	1486.1
30°	1435.3	1434.5	1432.1	1429.6	1432.9	1432.9	1432.9	1431.3	1425.5	1419.0	1413.2
32.5°	1290.5	1292.1	1295.4	1297.9	1304.4	1311.8	1318.3	1321.6	1321.6	1317.5	1315.0
35°	1117.8	1120.3	1125.2	1131.7	1139.9	1148.9	1163.6	1166.9	1169.4	1169.4	1166.1
37.5°	938.6	937.8	942.7	948.4	953.4	959.9	970.5	973.0	977.1	975.5	972.2
40°	764.3	760.2	758.6	760.2	765.9	763.5	765.9	764.3	764.3	758.6	758.6
42.5°	603.1	598.2	594.9	592.5	592.5	586.7	582.6	578.6	576.1	572.0	571.2
45°	464.8	459.1	455.0	453.3	450.9	443.5	438.6	433.7	428.0	426.4	427.2
47.5°	360.9	355.2	353.5	349.4	345.3	341.2	338.0	332.2	331.4	328.1	331.4
50°	278.2	276.6	274.1	272.5	270.0	266.8	263.5	260.2	258.6	258.6	259.4
52.5°	216.0	216.9	214.4	211.9	210.3	210.3	206.2	205.4	205.4	202.1	205.4
55°	165.3	164.5	165.3	163.7	163.7	161.2	161.2	158.7	158.7	156.3	157.9
57.5°	121.1	122.7	121.1	121.9	123.6	121.1	120.3	117.8	119.5	117.8	118.7
60°	94.1	94.1	94.1	93.3	93.3	92.5	92.5	91.7	91.7	90.0	91.7
62.5°	69.6	70.4	70.4	70.4	71.2	70.4	69.6	70.4	69.6	69.6	70.4
65°	45.8	46.7	46.7	45.8	47.5	45.8	46.7	47.5	48.3	47.5	48.3
67.5°	31.1	31.1	31.9	32.7	31.9	32.7	33.5	32.7	33.5	35.2	33.5
70°	22.9	23.7	23.7	22.9	22.1	22.9	22.1	24.6	24.6	24.6	26.2
72.5°	14.7	14.7	13.9	13.9	13.9	13.9	13.9	16.4	14.7	13.9	15.6
75°	8.2	9.0	9.0	6.5	7.4	9.0	6.5	7.4	9.8	8.2	9.8
77.5°	4.9	4.9	4.9	4.9	4.9	4.9	6.5	5.7	5.7	5.7	6.5
80°	4.1	3.3	3.3	2.5	3.3	3.3	3.3	4.9	4.1	4.1	4.9
82.5°	1.7	1.7	0.8	0.0	1.7	1.7	1.7	1.7	1.7	1.7	3.3
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	1.7	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: P246015

CATALOG NUMBER: LD8B30D010 ER8B30950 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9
2.5°	1674.3	1674.3	1673.5	1671.9	1668.5	1668.5	1667.7	1665.3	1663.7	1662.8	1662.8
5°	1666.1	1662.8	1659.6	1650.6	1650.6	1648.9	1644.0	1640.7	1639.1	1635.0	1633.4
7.5°	1658.7	1648.9	1643.2	1637.5	1630.1	1626.8	1621.1	1618.6	1612.9	1608.8	1606.4
10°	1640.7	1634.2	1626.8	1617.8	1612.1	1605.6	1599.0	1594.1	1586.7	1582.6	1579.4
12.5°	1628.5	1618.6	1612.1	1602.3	1592.5	1586.7	1577.7	1572.0	1564.6	1556.5	1551.5
15°	1617.0	1606.4	1597.4	1586.7	1576.1	1569.6	1558.9	1552.4	1541.7	1533.5	1527.8
17.5°	1599.8	1590.8	1581.0	1567.9	1558.1	1549.9	1538.4	1530.3	1520.4	1509.8	1504.1
20°	1581.8	1571.2	1561.4	1548.3	1538.4	1528.6	1517.2	1508.2	1496.7	1486.9	1480.4
22.5°	1558.1	1545.8	1537.6	1524.5	1513.1	1502.5	1491.8	1481.2	1470.5	1462.3	1455.0
25°	1523.7	1510.6	1501.6	1491.0	1480.4	1472.2	1459.1	1452.5	1441.9	1434.5	1427.1
27.5°	1474.6	1464.8	1456.6	1446.0	1437.0	1430.4	1420.6	1414.1	1405.0	1398.5	1392.8
30°	1402.6	1394.4	1387.1	1376.4	1369.9	1364.2	1355.1	1349.4	1342.9	1335.5	1333.9
32.5°	1306.1	1299.5	1292.1	1284.8	1279.8	1276.6	1269.2	1265.9	1259.4	1255.3	1251.2
35°	1160.4	1154.6	1150.6	1147.3	1145.7	1146.5	1144.8	1148.1	1149.7	1148.9	1149.7
37.5°	969.7	966.4	968.1	970.5	978.7	989.4	999.2	1013.9	1023.7	1033.6	1042.6
40°	757.0	759.4	765.9	780.7	802.0	825.7	847.8	875.6	903.4	923.1	941.1
42.5°	571.2	578.6	594.9	616.2	648.1	683.3	717.7	758.6	792.2	824.9	847.8
45°	429.6	439.4	460.7	490.2	525.4	566.3	609.7	655.5	695.6	729.1	754.5
47.5°	334.7	343.7	365.0	396.1	439.4	482.0	527.0	574.5	616.2	648.9	671.0
50°	264.3	275.8	294.6	327.3	370.7	415.7	462.4	509.0	548.3	576.1	595.7
52.5°	207.9	218.5	236.5	270.9	315.1	360.1	403.4	449.3	483.6	510.6	523.7
55°	161.2	171.0	189.8	218.5	260.2	304.4	347.8	387.1	419.0	438.6	450.9
57.5°	122.7	130.1	143.2	171.9	209.5	250.4	287.2	326.5	351.1	365.0	373.1
60°	93.3	99.0	112.9	135.0	169.4	204.6	235.7	265.2	284.8	296.2	304.4
62.5°	70.4	76.9	86.7	105.6	131.7	160.4	186.6	208.7	225.0	232.4	238.1
65°	48.3	53.2	60.6	75.3	97.4	117.8	138.3	154.7	165.3	173.5	176.8
67.5°	36.0	39.3	43.4	54.8	70.4	86.7	100.6	112.1	123.6	126.8	132.6
70°	27.0	29.5	33.5	41.7	50.7	62.2	73.7	80.2	88.4	94.1	95.8
72.5°	17.2	18.0	22.1	27.0	34.4	41.7	49.1	54.8	59.8	63.0	64.6
75°	9.8	14.7	14.7	19.6	24.6	27.8	32.7	36.8	39.3	41.7	41.7
77.5°	6.5	9.0	9.8	12.3	14.7	18.8	22.9	25.4	27.8	28.6	28.6
80°	5.7	6.5	6.5	9.0	10.6	13.9	16.4	17.2	18.8	19.6	21.3
82.5°	2.5	3.3	4.1	6.5	7.4	7.4	9.8	10.6	12.3	13.1	13.1
85°	0.8	1.7	1.7	2.5	4.1	4.9	5.7	6.5	7.4	7.4	8.2
87.5°	0.8	0.8	0.0	0.8	1.7	1.7	3.3	3.3	3.3	4.9	4.9
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: P246015

CATALOG NUMBER: LD8B30D010 ER8B30950 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9	1675.9
2.5°	1661.2	1662.0	1658.7	1657.9	1656.3	1657.1	1658.7
5°	1630.9	1631.7	1628.5	1625.2	1625.2	1624.4	1625.2
7.5°	1602.3	1603.1	1598.2	1596.5	1593.3	1594.1	1594.1
10°	1573.6	1573.6	1566.3	1565.4	1563.0	1562.2	1562.2
12.5°	1545.8	1543.3	1537.6	1534.4	1536.0	1531.1	1531.1
15°	1521.3	1517.2	1509.8	1507.3	1503.3	1501.6	1501.6
17.5°	1495.9	1492.6	1486.1	1481.2	1476.3	1475.4	1476.3
20°	1471.3	1468.1	1459.9	1456.6	1452.5	1452.5	1450.9
22.5°	1446.8	1443.5	1436.2	1433.7	1428.0	1428.0	1428.8
25°	1421.4	1419.0	1410.8	1409.2	1408.3	1405.0	1406.7
27.5°	1387.1	1385.4	1378.9	1376.4	1373.2	1372.3	1374.0
30°	1324.0	1321.6	1316.7	1314.2	1308.5	1309.3	1310.9
32.5°	1245.5	1242.2	1235.7	1233.2	1228.3	1226.7	1227.5
35°	1147.3	1144.8	1139.1	1139.1	1134.2	1132.6	1134.2
37.5°	1047.5	1049.9	1047.5	1049.9	1047.5	1046.6	1047.5
40°	953.4	962.4	964.0	973.0	969.7	974.6	973.8
42.5°	863.3	878.0	883.8	891.1	889.5	892.8	895.3
45°	772.5	784.8	790.5	795.4	796.2	797.9	798.7
47.5°	686.6	696.4	697.2	702.9	702.1	702.1	704.6
50°	606.4	612.9	614.5	618.7	615.4	613.7	614.5
52.5°	531.9	538.5	536.8	538.5	534.4	532.7	533.5
55°	455.8	459.1	459.1	459.1	454.2	454.2	454.2
57.5°	378.1	378.9	377.2	378.1	377.2	372.3	371.5
60°	306.9	306.9	306.0	306.9	304.4	302.0	302.0
62.5°	239.8	241.4	244.7	241.4	239.8	241.4	238.9
65°	179.2	182.5	181.7	183.3	182.5	182.5	180.8
67.5°	135.0	135.8	136.7	137.5	137.5	137.5	137.5
70°	99.0	101.5	100.6	100.6	100.6	100.6	105.6
72.5°	66.3	69.6	68.7	70.4	70.4	72.0	70.4
75°	45.0	48.3	46.7	49.1	48.3	46.7	50.7
77.5°	30.3	31.9	32.7	33.5	32.7	31.9	32.7
80°	21.3	22.9	22.1	22.9	22.9	22.9	23.7
82.5°	13.1	15.6	14.7	15.6	14.7	15.6	15.6
85°	9.0	9.8	8.2	9.8	9.0	9.0	10.6
87.5°	5.7	4.9	4.9	5.7	4.9	5.7	4.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)