

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P212833

Luminaire Tested: **LD6B40D010 EU6B30509727 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212833
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29203)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B40D010 EU6B30509727 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 97CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2850.9 lumens
Efficiency: N/A
Efficacy: 66.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

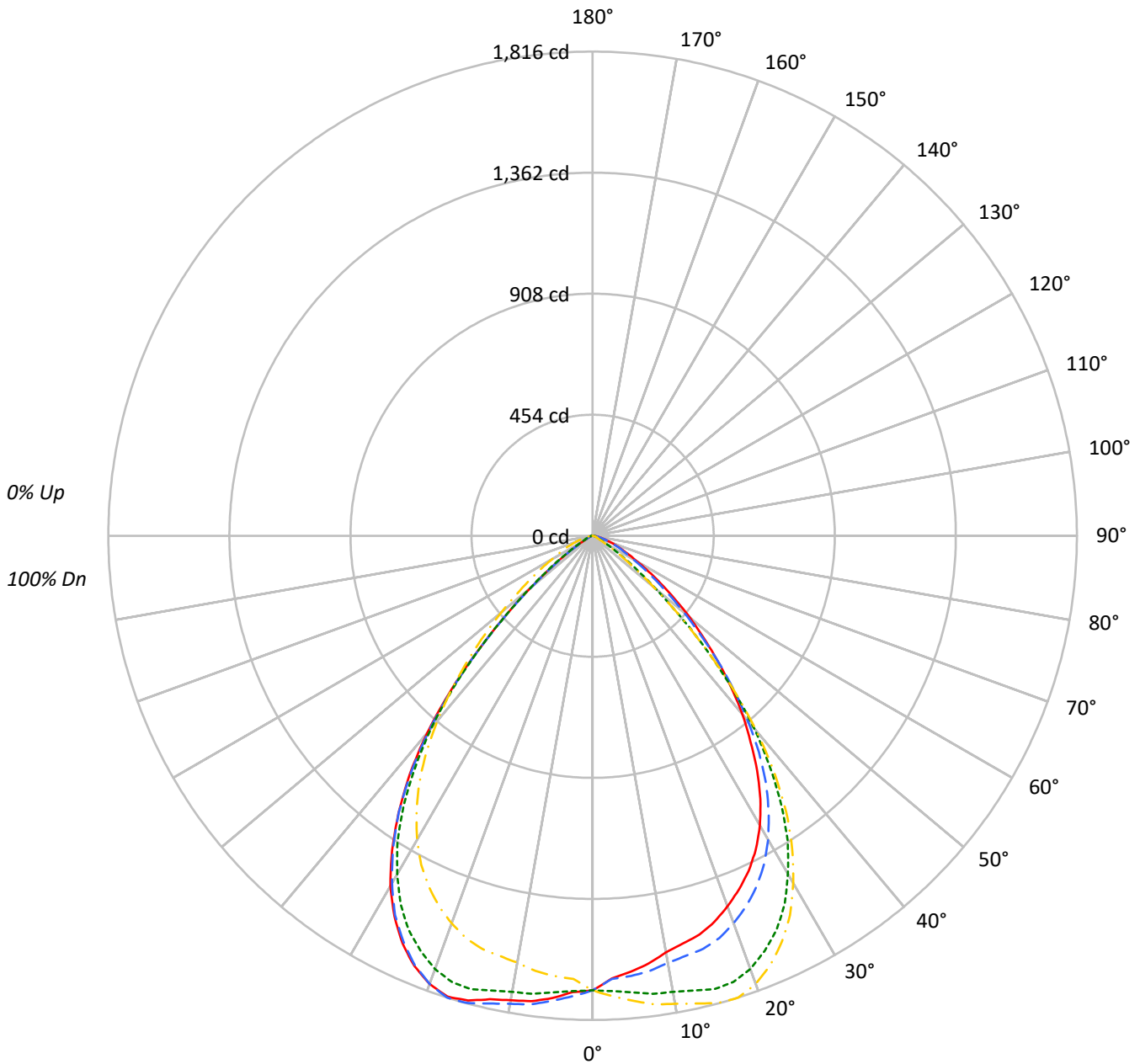
Input Watts (W): 43.02
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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	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	110	107	104	102	103	100	98	99	97	96	95	94	93	91				91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	84	82				82
3	98	91	84	80	96	89	84	79	86	82	78	84	80	76	81	78	75	73				73
4	92	83	76	71	90	82	75	70	79	74	70	77	73	69	75	71	68	66				66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60				60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54				54
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49				49
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45				45
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42				42
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38				38

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	93474	93474	93474	93474
5°	90337	94596	95801	94596
10°	88286	96686	98451	96686
15°	87872	99927	102407	99927
20°	86271	100861	104338	100861
25°	83805	98697	102060	98697
30°	79411	92729	95996	92729
35°	72003	82630	84885	82630
40°	62503	67333	69036	67333
45°	51246	46478	46780	46478
50°	40289	26072	25560	26072
55°	29781	12903	11574	12903
60°	21106	5657	4133	5657
65°	15709	3606	2581	3606
70°	11460	2869	1907	2869
75°	8409	2097	1271	2097
80°	5651	1894	631	1894
85°	3774	1258	1258	1258



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.2	5.7
10°-20°	483.5	17.0
20°-30°	721.5	25.3
30°-40°	741.2	26.0
40°-50°	480.0	16.8
50°-60°	178.5	6.3
60°-70°	58.6	2.1
70°-80°	20.7	0.7
80°-90°	3.7	0.1
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°	1368.2	48.0
0°-40°	2109.4	74.0
0°-60°	2767.9	97.1
0°-90°	2850.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2850.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1705	1705	1705	1705	1705	
5°	1642	1719	1741	1719	1642	155
15°	1548	1761	1804	1761	1548	435
25°	1386	1632	1687	1632	1386	635
35°	1076	1235	1268	1235	1076	668
45°	661	600	603	600	661	511
55°	312	135	121	135	312	284
65°	121	28	20	28	121	123
75°	40	10	6	10	40	44
85°	6	2	2	2	6	8
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1
2.5°	1661.5	1685.3	1669.4	1679.3	1663.4	1663.4	1695.2	1677.3	1691.2	1677.3	1663.4
5°	1641.6	1671.4	1651.5	1661.5	1647.6	1649.5	1679.3	1665.4	1679.3	1669.4	1657.5
7.5°	1617.8	1647.6	1629.7	1639.6	1625.7	1629.7	1661.5	1647.6	1663.4	1653.5	1645.6
10°	1586.0	1617.8	1601.9	1611.8	1599.9	1601.9	1633.7	1623.7	1637.6	1631.7	1625.7
12.5°	1566.2	1595.9	1578.1	1588.0	1580.1	1584.0	1613.8	1605.9	1623.7	1617.8	1613.8
15°	1548.3	1576.1	1560.2	1570.1	1564.2	1566.2	1597.9	1590.0	1609.8	1605.9	1603.9
17.5°	1518.5	1548.3	1530.4	1542.3	1536.4	1538.4	1570.1	1564.2	1584.0	1584.0	1582.1
20°	1478.8	1508.6	1494.7	1502.6	1498.7	1502.6	1530.4	1526.5	1546.3	1546.3	1546.3
22.5°	1435.2	1464.9	1449.1	1457.0	1453.0	1459.0	1484.8	1484.8	1500.7	1502.6	1504.6
25°	1385.5	1415.3	1399.4	1409.4	1405.4	1409.4	1433.2	1435.2	1449.1	1449.1	1453.0
27.5°	1326.0	1355.8	1339.9	1347.8	1345.8	1347.8	1373.6	1377.6	1385.5	1387.5	1391.5
30°	1254.5	1282.3	1266.4	1274.4	1274.4	1274.4	1300.2	1302.2	1310.1	1312.1	1316.1
32.5°	1171.2	1195.0	1183.1	1191.0	1189.0	1193.0	1210.9	1218.8	1228.7	1226.7	1228.7
35°	1075.9	1101.7	1089.8	1095.7	1097.7	1103.7	1115.6	1125.5	1127.5	1129.5	1133.4
37.5°	972.7	998.5	986.5	992.5	994.5	1006.4	1010.4	1020.3	1024.3	1024.3	1024.3
40°	873.4	885.3	875.4	881.3	883.3	893.3	897.2	905.2	909.1	907.1	905.2
42.5°	766.2	776.1	766.2	772.2	772.2	780.1	782.1	792.0	792.0	788.0	782.1
45°	661.0	670.9	661.0	665.0	665.0	672.9	672.9	672.9	676.9	670.9	661.0
47.5°	561.8	571.7	561.8	565.7	563.7	569.7	567.7	569.7	563.7	559.8	547.9
50°	472.4	476.4	472.4	470.4	472.4	476.4	474.4	474.4	466.5	460.5	446.6
52.5°	385.1	391.0	385.1	385.1	385.1	389.1	389.1	387.1	379.1	371.2	357.3
55°	311.6	315.6	313.6	311.6	311.6	315.6	311.6	311.6	303.7	297.8	283.9
57.5°	248.1	250.1	248.1	248.1	248.1	250.1	250.1	246.1	240.2	234.2	224.3
60°	192.5	194.5	194.5	192.5	192.5	196.5	196.5	194.5	188.6	184.6	174.7
62.5°	152.8	152.8	152.8	152.8	152.8	154.8	154.8	154.8	150.9	146.9	139.0
65°	121.1	123.1	121.1	121.1	123.1	125.1	123.1	125.1	121.1	119.1	113.1
67.5°	93.3	95.3	93.3	95.3	95.3	97.3	95.3	97.3	93.3	91.3	87.3
70°	71.5	71.5	71.5	71.5	71.5	73.4	71.5	73.4	71.5	69.5	65.5
72.5°	53.6	53.6	55.6	55.6	53.6	55.6	53.6	53.6	53.6	51.6	49.6
75°	39.7	39.7	41.7	39.7	39.7	39.7	39.7	39.7	37.7	37.7	35.7
77.5°	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	25.8	25.8	23.8
80°	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	15.9	15.9
82.5°	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	9.9	9.9
85°	6.0	6.0	6.0	7.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0
87.5°	2.0	2.0	2.0	4.0	2.0	2.0	4.0	4.0	2.0	2.0	2.0
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):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1
2.5°	1679.3	1685.3	1685.3	1679.3	1693.2	1681.3	1705.1	1683.3	1689.2	1709.1	1707.1
5°	1673.4	1681.3	1683.3	1679.3	1697.2	1687.3	1711.1	1689.2	1699.2	1719.0	1719.0
7.5°	1665.4	1675.3	1679.3	1683.3	1699.2	1689.2	1717.0	1695.2	1709.1	1732.9	1730.9
10°	1647.6	1661.5	1669.4	1675.3	1691.2	1685.3	1715.0	1697.2	1709.1	1736.9	1734.9
12.5°	1637.6	1653.5	1665.4	1675.3	1693.2	1689.2	1719.0	1703.1	1719.0	1746.8	1746.8
15°	1629.7	1647.6	1661.5	1679.3	1697.2	1693.2	1725.0	1711.1	1727.0	1760.7	1758.7
17.5°	1609.8	1631.7	1645.6	1665.4	1683.3	1681.3	1715.0	1705.1	1723.0	1754.7	1756.7
20°	1576.1	1595.9	1611.8	1635.6	1655.5	1651.5	1687.3	1677.3	1695.2	1728.9	1730.9
22.5°	1532.4	1552.3	1568.2	1594.0	1611.8	1609.8	1645.6	1635.6	1653.5	1685.3	1687.3
25°	1480.8	1498.7	1514.6	1538.4	1558.2	1558.2	1590.0	1580.1	1599.9	1631.7	1631.7
27.5°	1417.3	1433.2	1447.1	1474.9	1490.7	1490.7	1520.5	1510.6	1530.4	1558.2	1556.2
30°	1339.9	1353.8	1365.7	1389.5	1403.4	1405.4	1431.2	1421.3	1441.1	1464.9	1464.9
32.5°	1246.6	1260.5	1268.4	1298.2	1308.1	1306.1	1326.0	1316.1	1335.9	1361.7	1355.8
35°	1147.3	1153.3	1159.2	1189.0	1193.0	1185.0	1204.9	1195.0	1208.9	1234.7	1230.7
37.5°	1034.2	1036.2	1036.2	1062.0	1064.0	1058.0	1069.9	1058.0	1067.9	1091.8	1089.8
40°	909.1	907.1	905.2	925.0	923.0	911.1	919.1	909.1	923.0	940.9	931.0
42.5°	782.1	776.1	768.2	778.1	770.2	760.3	764.2	748.3	758.3	772.2	760.3
45°	657.0	645.1	629.2	631.2	621.3	609.4	603.4	587.6	585.6	599.5	589.5
47.5°	539.9	516.1	502.2	494.3	478.4	468.5	456.6	438.7	430.7	438.7	428.8
50°	434.7	410.9	393.0	375.2	359.3	347.4	327.5	315.6	303.7	305.7	297.8
52.5°	343.4	327.5	297.8	283.9	268.0	254.1	236.2	222.3	208.4	208.4	200.5
55°	271.9	250.1	230.3	210.4	194.5	182.6	164.8	150.9	137.0	135.0	127.0
57.5°	210.4	194.5	172.7	152.8	142.9	131.0	113.1	97.3	89.3	83.4	77.4
60°	162.8	146.9	129.0	113.1	101.2	93.3	75.4	63.5	55.6	51.6	45.7
62.5°	131.0	117.1	101.2	85.4	77.4	69.5	55.6	45.7	37.7	33.7	29.8
65°	105.2	93.3	81.4	69.5	63.5	55.6	45.7	37.7	31.8	27.8	23.8
67.5°	81.4	73.4	63.5	55.6	49.6	43.7	35.7	29.8	25.8	21.8	19.9
70°	61.5	55.6	49.6	41.7	37.7	33.7	27.8	21.8	19.9	17.9	15.9
72.5°	47.6	41.7	35.7	31.8	27.8	25.8	21.8	17.9	15.9	13.9	11.9
75°	31.8	29.8	25.8	21.8	19.9	17.9	15.9	13.9	11.9	9.9	9.9
77.5°	21.8	19.9	17.9	15.9	13.9	13.9	11.9	9.9	7.9	7.9	6.0
80°	13.9	11.9	11.9	9.9	9.9	9.9	7.9	6.0	6.0	6.0	4.0
82.5°	9.9	7.9	7.9	6.0	6.0	6.0	6.0	4.0	4.0	4.0	2.0
85°	6.0	4.0	4.0	4.0	4.0	4.0	4.0	2.0	2.0	2.0	2.0
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	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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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1
2.5°	1691.2	1709.1	1709.1	1725.0	1727.0	1723.0	1705.1	1705.1	1728.9	1742.8	1719.0
5°	1707.1	1725.0	1725.0	1740.9	1748.8	1742.8	1725.0	1727.0	1750.8	1766.7	1742.8
7.5°	1721.0	1738.9	1742.8	1760.7	1766.7	1760.7	1742.8	1746.8	1772.6	1786.5	1762.7
10°	1727.0	1744.8	1746.8	1766.7	1774.6	1766.7	1752.8	1754.7	1782.5	1792.5	1770.6
12.5°	1740.9	1758.7	1758.7	1780.6	1788.5	1782.5	1764.7	1768.6	1796.4	1806.4	1784.5
15°	1754.7	1772.6	1772.6	1796.4	1806.4	1798.4	1784.5	1786.5	1814.3	1824.2	1806.4
17.5°	1754.7	1770.6	1770.6	1796.4	1806.4	1800.4	1784.5	1786.5	1816.3	1824.2	1806.4
20°	1728.9	1746.8	1742.8	1768.6	1778.6	1772.6	1758.7	1758.7	1788.5	1796.4	1778.6
22.5°	1687.3	1703.1	1699.2	1723.0	1734.9	1727.0	1715.0	1713.1	1742.8	1750.8	1732.9
25°	1629.7	1645.6	1641.6	1665.4	1677.3	1667.4	1653.5	1655.5	1679.3	1691.2	1675.3
27.5°	1562.2	1572.1	1566.2	1590.0	1601.9	1592.0	1578.1	1580.1	1603.9	1611.8	1599.9
30°	1470.9	1478.8	1472.9	1492.7	1500.7	1494.7	1482.8	1482.8	1504.6	1514.6	1502.6
32.5°	1361.7	1367.7	1361.7	1377.6	1393.5	1381.6	1369.7	1369.7	1393.5	1401.4	1387.5
35°	1234.7	1240.6	1236.7	1252.5	1264.4	1248.6	1238.6	1234.7	1266.4	1262.5	1254.5
37.5°	1093.7	1097.7	1085.8	1113.6	1119.5	1101.7	1093.7	1089.8	1117.6	1115.6	1107.6
40°	934.9	938.9	931.0	950.8	952.8	938.9	933.0	927.0	954.8	952.8	946.8
42.5°	766.2	768.2	758.3	774.2	778.1	764.2	762.2	754.3	780.1	776.1	774.2
45°	591.5	591.5	583.6	595.5	599.5	587.6	583.6	581.6	599.5	599.5	595.5
47.5°	428.8	422.8	412.9	430.7	432.7	424.8	422.8	416.9	434.7	434.7	430.7
50°	293.8	291.8	289.8	293.8	295.8	285.8	291.8	285.8	295.8	295.8	295.8
52.5°	196.5	194.5	190.6	194.5	194.5	188.6	188.6	186.6	194.5	194.5	190.6
55°	123.1	121.1	119.1	121.1	121.1	115.1	119.1	115.1	119.1	119.1	117.1
57.5°	75.4	71.5	71.5	69.5	69.5	65.5	67.5	67.5	67.5	67.5	67.5
60°	43.7	41.7	39.7	39.7	39.7	37.7	37.7	37.7	37.7	37.7	37.7
62.5°	27.8	27.8	25.8	25.8	25.8	25.8	25.8	23.8	25.8	25.8	25.8
65°	23.8	21.8	21.8	21.8	21.8	19.9	19.9	19.9	19.9	19.9	19.9
67.5°	19.9	17.9	17.9	17.9	17.9	15.9	15.9	15.9	15.9	15.9	15.9
70°	15.9	13.9	13.9	13.9	13.9	13.9	11.9	13.9	13.9	11.9	11.9
72.5°	11.9	11.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
75°	7.9	7.9	7.9	7.9	7.9	6.0	6.0	6.0	6.0	6.0	6.0
77.5°	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
80°	4.0	4.0	4.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	0.0	2.0	0.0	2.0	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: P212833

CATALOG NUMBER: LD6B40D010 EU6B30509727 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1
2.5°	1746.8	1727.0	1717.0	1736.9	1744.8	1734.9	1727.0	1713.1	1727.0	1734.9	1744.8
5°	1770.6	1752.8	1744.8	1758.7	1770.6	1760.7	1754.7	1740.9	1754.7	1760.7	1770.6
7.5°	1792.5	1774.6	1764.7	1778.6	1792.5	1778.6	1772.6	1760.7	1772.6	1778.6	1792.5
10°	1800.4	1780.6	1772.6	1784.5	1798.4	1784.5	1776.6	1768.6	1776.6	1784.5	1798.4
12.5°	1814.3	1794.4	1784.5	1794.4	1808.3	1794.4	1786.5	1780.6	1786.5	1794.4	1808.3
15°	1834.1	1816.3	1804.4	1814.3	1832.2	1816.3	1806.4	1804.4	1806.4	1816.3	1832.2
17.5°	1834.1	1820.3	1808.3	1816.3	1834.1	1822.2	1808.3	1812.3	1808.3	1822.2	1834.1
20°	1808.3	1794.4	1784.5	1784.5	1810.3	1794.4	1782.5	1788.5	1782.5	1794.4	1810.3
22.5°	1762.7	1750.8	1740.9	1738.9	1764.7	1750.8	1734.9	1746.8	1734.9	1750.8	1764.7
25°	1703.1	1691.2	1683.3	1679.3	1705.1	1689.2	1675.3	1687.3	1675.3	1689.2	1705.1
27.5°	1625.7	1615.8	1607.9	1601.9	1625.7	1611.8	1597.9	1609.8	1597.9	1611.8	1625.7
30°	1526.5	1520.5	1512.6	1504.6	1528.5	1514.6	1500.7	1516.5	1500.7	1514.6	1528.5
32.5°	1411.3	1407.4	1397.4	1389.5	1413.3	1397.4	1387.5	1399.4	1387.5	1397.4	1413.3
35°	1278.3	1272.4	1266.4	1252.5	1278.3	1264.4	1264.4	1268.4	1264.4	1264.4	1278.3
37.5°	1129.5	1125.5	1117.6	1105.6	1127.5	1117.6	1113.6	1125.5	1113.6	1117.6	1127.5
40°	962.7	960.7	954.8	940.9	964.7	954.8	948.8	964.7	948.8	954.8	964.7
42.5°	788.0	784.1	778.1	776.1	788.0	780.1	786.1	786.1	786.1	780.1	788.0
45°	607.4	603.4	599.5	591.5	605.4	601.5	599.5	603.4	599.5	601.5	605.4
47.5°	440.7	436.7	432.7	426.8	440.7	434.7	434.7	438.7	434.7	434.7	440.7
50°	295.8	297.8	295.8	291.8	295.8	293.8	295.8	299.7	295.8	293.8	295.8
52.5°	196.5	196.5	192.5	190.6	194.5	192.5	198.5	194.5	198.5	192.5	194.5
55°	119.1	121.1	119.1	117.1	119.1	117.1	123.1	121.1	123.1	117.1	119.1
57.5°	67.5	67.5	69.5	67.5	71.5	69.5	69.5	69.5	69.5	69.5	71.5
60°	37.7	37.7	37.7	37.7	37.7	37.7	39.7	37.7	39.7	37.7	37.7
62.5°	25.8	25.8	25.8	23.8	25.8	23.8	25.8	25.8	25.8	23.8	25.8
65°	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
67.5°	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9
70°	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
72.5°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
75°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
77.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	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: P212833

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1
2.5°	1736.9	1717.0	1727.0	1746.8	1719.0	1742.8	1728.9	1705.1	1705.1	1723.0	1727.0
5°	1758.7	1744.8	1752.8	1770.6	1742.8	1766.7	1750.8	1727.0	1725.0	1742.8	1748.8
7.5°	1778.6	1764.7	1774.6	1792.5	1762.7	1786.5	1772.6	1746.8	1742.8	1760.7	1766.7
10°	1784.5	1772.6	1780.6	1800.4	1770.6	1792.5	1782.5	1754.7	1752.8	1766.7	1774.6
12.5°	1794.4	1784.5	1794.4	1814.3	1784.5	1806.4	1796.4	1768.6	1764.7	1782.5	1788.5
15°	1814.3	1804.4	1816.3	1834.1	1806.4	1824.2	1814.3	1786.5	1784.5	1798.4	1806.4
17.5°	1816.3	1808.3	1820.3	1834.1	1806.4	1824.2	1816.3	1786.5	1784.5	1800.4	1806.4
20°	1784.5	1784.5	1794.4	1808.3	1778.6	1796.4	1788.5	1758.7	1758.7	1772.6	1778.6
22.5°	1738.9	1740.9	1750.8	1762.7	1732.9	1750.8	1742.8	1713.1	1715.0	1727.0	1734.9
25°	1679.3	1683.3	1691.2	1703.1	1675.3	1691.2	1679.3	1655.5	1653.5	1667.4	1677.3
27.5°	1601.9	1607.9	1615.8	1625.7	1599.9	1611.8	1603.9	1580.1	1578.1	1592.0	1601.9
30°	1504.6	1512.6	1520.5	1526.5	1502.6	1514.6	1504.6	1482.8	1482.8	1494.7	1500.7
32.5°	1389.5	1397.4	1407.4	1411.3	1387.5	1401.4	1393.5	1369.7	1369.7	1381.6	1393.5
35°	1252.5	1266.4	1272.4	1278.3	1254.5	1262.5	1266.4	1234.7	1238.6	1248.6	1264.4
37.5°	1105.6	1117.6	1125.5	1129.5	1107.6	1115.6	1117.6	1089.8	1093.7	1101.7	1119.5
40°	940.9	954.8	960.7	962.7	946.8	952.8	954.8	927.0	933.0	938.9	952.8
42.5°	776.1	778.1	784.1	788.0	774.2	776.1	780.1	754.3	762.2	764.2	778.1
45°	591.5	599.5	603.4	607.4	595.5	599.5	599.5	581.6	583.6	587.6	599.5
47.5°	426.8	432.7	436.7	440.7	430.7	434.7	434.7	416.9	422.8	424.8	432.7
50°	291.8	295.8	297.8	295.8	295.8	295.8	295.8	285.8	291.8	285.8	295.8
52.5°	190.6	192.5	196.5	196.5	190.6	194.5	194.5	186.6	188.6	188.6	194.5
55°	117.1	119.1	121.1	119.1	117.1	119.1	119.1	115.1	119.1	115.1	121.1
57.5°	67.5	69.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	65.5	69.5
60°	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	39.7
62.5°	23.8	25.8	25.8	25.8	25.8	25.8	25.8	23.8	25.8	25.8	25.8
65°	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	21.8
67.5°	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	17.9
70°	11.9	11.9	11.9	11.9	11.9	11.9	13.9	13.9	11.9	13.9	13.9
72.5°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
75°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	7.9
77.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0	0.0	2.0
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: P212833

CATALOG NUMBER: LD6B40D010 EU6B30509727 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1
2.5°	1725.0	1709.1	1709.1	1691.2	1707.1	1709.1	1689.2	1683.3	1705.1	1681.3	1693.2
5°	1740.9	1725.0	1725.0	1707.1	1719.0	1719.0	1699.2	1689.2	1711.1	1687.3	1697.2
7.5°	1760.7	1742.8	1738.9	1721.0	1730.9	1732.9	1709.1	1695.2	1717.0	1689.2	1699.2
10°	1766.7	1746.8	1744.8	1727.0	1734.9	1736.9	1709.1	1697.2	1715.0	1685.3	1691.2
12.5°	1780.6	1758.7	1758.7	1740.9	1746.8	1746.8	1719.0	1703.1	1719.0	1689.2	1693.2
15°	1796.4	1772.6	1772.6	1754.7	1758.7	1760.7	1727.0	1711.1	1725.0	1693.2	1697.2
17.5°	1796.4	1770.6	1770.6	1754.7	1756.7	1754.7	1723.0	1705.1	1715.0	1681.3	1683.3
20°	1768.6	1742.8	1746.8	1728.9	1730.9	1728.9	1695.2	1677.3	1687.3	1651.5	1655.5
22.5°	1723.0	1699.2	1703.1	1687.3	1687.3	1685.3	1653.5	1635.6	1645.6	1609.8	1611.8
25°	1665.4	1641.6	1645.6	1629.7	1631.7	1631.7	1599.9	1580.1	1590.0	1558.2	1558.2
27.5°	1590.0	1566.2	1572.1	1562.2	1556.2	1558.2	1530.4	1510.6	1520.5	1490.7	1490.7
30°	1492.7	1472.9	1478.8	1470.9	1464.9	1464.9	1441.1	1421.3	1431.2	1405.4	1403.4
32.5°	1377.6	1361.7	1367.7	1361.7	1355.8	1361.7	1335.9	1316.1	1326.0	1306.1	1308.1
35°	1252.5	1236.7	1240.6	1234.7	1230.7	1234.7	1208.9	1195.0	1204.9	1185.0	1193.0
37.5°	1113.6	1085.8	1097.7	1093.7	1089.8	1091.8	1067.9	1058.0	1069.9	1058.0	1064.0
40°	950.8	931.0	938.9	934.9	931.0	940.9	923.0	909.1	919.1	911.1	923.0
42.5°	774.2	758.3	768.2	766.2	760.3	772.2	758.3	748.3	764.2	760.3	770.2
45°	595.5	583.6	591.5	591.5	589.5	599.5	585.6	587.6	603.4	609.4	621.3
47.5°	430.7	412.9	422.8	428.8	428.8	438.7	430.7	438.7	456.6	468.5	478.4
50°	293.8	289.8	291.8	293.8	297.8	305.7	303.7	315.6	327.5	347.4	359.3
52.5°	194.5	190.6	194.5	196.5	200.5	208.4	208.4	222.3	236.2	254.1	268.0
55°	121.1	119.1	121.1	123.1	127.0	135.0	137.0	150.9	164.8	182.6	194.5
57.5°	69.5	71.5	71.5	75.4	77.4	83.4	89.3	97.3	113.1	131.0	142.9
60°	39.7	39.7	41.7	43.7	45.7	51.6	55.6	63.5	75.4	93.3	101.2
62.5°	25.8	25.8	27.8	27.8	29.8	33.7	37.7	45.7	55.6	69.5	77.4
65°	21.8	21.8	21.8	23.8	23.8	27.8	31.8	37.7	45.7	55.6	63.5
67.5°	17.9	17.9	17.9	19.9	19.9	21.8	25.8	29.8	35.7	43.7	49.6
70°	13.9	13.9	13.9	15.9	15.9	17.9	19.9	21.8	27.8	33.7	37.7
72.5°	9.9	9.9	11.9	11.9	11.9	13.9	15.9	17.9	21.8	25.8	27.8
75°	7.9	7.9	7.9	7.9	9.9	9.9	11.9	13.9	15.9	17.9	19.9
77.5°	4.0	4.0	6.0	6.0	6.0	7.9	7.9	9.9	11.9	13.9	13.9
80°	4.0	4.0	4.0	4.0	4.0	6.0	6.0	6.0	7.9	9.9	9.9
82.5°	2.0	2.0	2.0	2.0	2.0	4.0	4.0	4.0	6.0	6.0	6.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	4.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
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: P212833

CATALOG NUMBER: LD6B40D010 EU6B30509727 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1
2.5°	1679.3	1685.3	1685.3	1679.3	1663.4	1677.3	1691.2	1677.3	1695.2	1663.4	1663.4
5°	1679.3	1683.3	1681.3	1673.4	1657.5	1669.4	1679.3	1665.4	1679.3	1649.5	1647.6
7.5°	1683.3	1679.3	1675.3	1665.4	1645.6	1653.5	1663.4	1647.6	1661.5	1629.7	1625.7
10°	1675.3	1669.4	1661.5	1647.6	1625.7	1631.7	1637.6	1623.7	1633.7	1601.9	1599.9
12.5°	1675.3	1665.4	1653.5	1637.6	1613.8	1617.8	1623.7	1605.9	1613.8	1584.0	1580.1
15°	1679.3	1661.5	1647.6	1629.7	1603.9	1605.9	1609.8	1590.0	1597.9	1566.2	1564.2
17.5°	1665.4	1645.6	1631.7	1609.8	1582.1	1584.0	1584.0	1564.2	1570.1	1538.4	1536.4
20°	1635.6	1611.8	1595.9	1576.1	1546.3	1546.3	1546.3	1526.5	1530.4	1502.6	1498.7
22.5°	1594.0	1568.2	1552.3	1532.4	1504.6	1502.6	1500.7	1484.8	1484.8	1459.0	1453.0
25°	1538.4	1514.6	1498.7	1480.8	1453.0	1449.1	1449.1	1435.2	1433.2	1409.4	1405.4
27.5°	1474.9	1447.1	1433.2	1417.3	1391.5	1387.5	1385.5	1377.6	1373.6	1347.8	1345.8
30°	1389.5	1365.7	1353.8	1339.9	1316.1	1312.1	1310.1	1302.2	1300.2	1274.4	1274.4
32.5°	1298.2	1268.4	1260.5	1246.6	1228.7	1226.7	1228.7	1218.8	1210.9	1193.0	1189.0
35°	1189.0	1159.2	1153.3	1147.3	1133.4	1129.5	1127.5	1125.5	1115.6	1103.7	1097.7
37.5°	1062.0	1036.2	1036.2	1034.2	1024.3	1024.3	1024.3	1020.3	1010.4	1006.4	994.5
40°	925.0	905.2	907.1	909.1	905.2	907.1	909.1	905.2	897.2	893.3	883.3
42.5°	778.1	768.2	776.1	782.1	782.1	788.0	792.0	792.0	782.1	780.1	772.2
45°	631.2	629.2	645.1	657.0	661.0	670.9	676.9	672.9	672.9	672.9	665.0
47.5°	494.3	502.2	516.1	539.9	547.9	559.8	563.7	569.7	567.7	569.7	563.7
50°	375.2	393.0	410.9	434.7	446.6	460.5	466.5	474.4	474.4	476.4	472.4
52.5°	283.9	297.8	327.5	343.4	357.3	371.2	379.1	387.1	389.1	389.1	385.1
55°	210.4	230.3	250.1	271.9	283.9	297.8	303.7	311.6	311.6	315.6	311.6
57.5°	152.8	172.7	194.5	210.4	224.3	234.2	240.2	246.1	250.1	250.1	248.1
60°	113.1	129.0	146.9	162.8	174.7	184.6	188.6	194.5	196.5	196.5	192.5
62.5°	85.4	101.2	117.1	131.0	139.0	146.9	150.9	154.8	154.8	154.8	152.8
65°	69.5	81.4	93.3	105.2	113.1	119.1	121.1	125.1	123.1	125.1	123.1
67.5°	55.6	63.5	73.4	81.4	87.3	91.3	93.3	97.3	95.3	97.3	95.3
70°	41.7	49.6	55.6	61.5	65.5	69.5	71.5	73.4	71.5	73.4	71.5
72.5°	31.8	35.7	41.7	47.6	49.6	51.6	53.6	53.6	53.6	55.6	53.6
75°	21.8	25.8	29.8	31.8	35.7	37.7	37.7	39.7	39.7	39.7	39.7
77.5°	15.9	17.9	19.9	21.8	23.8	25.8	25.8	27.8	27.8	27.8	27.8
80°	9.9	11.9	11.9	13.9	15.9	15.9	17.9	17.9	17.9	17.9	17.9
82.5°	6.0	7.9	7.9	9.9	9.9	9.9	11.9	11.9	11.9	11.9	11.9
85°	4.0	4.0	4.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	2.0	2.0
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: P212833

CATALOG NUMBER: LD6B40D010 EU6B30509727 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1705.1	1705.1	1705.1	1705.1
2.5°	1679.3	1669.4	1685.3	1661.5
5°	1661.5	1651.5	1671.4	1641.6
7.5°	1639.6	1629.7	1647.6	1617.8
10°	1611.8	1601.9	1617.8	1586.0
12.5°	1588.0	1578.1	1595.9	1566.2
15°	1570.1	1560.2	1576.1	1548.3
17.5°	1542.3	1530.4	1548.3	1518.5
20°	1502.6	1494.7	1508.6	1478.8
22.5°	1457.0	1449.1	1464.9	1435.2
25°	1409.4	1399.4	1415.3	1385.5
27.5°	1347.8	1339.9	1355.8	1326.0
30°	1274.4	1266.4	1282.3	1254.5
32.5°	1191.0	1183.1	1195.0	1171.2
35°	1095.7	1089.8	1101.7	1075.9
37.5°	992.5	986.5	998.5	972.7
40°	881.3	875.4	885.3	873.4
42.5°	772.2	766.2	776.1	766.2
45°	665.0	661.0	670.9	661.0
47.5°	565.7	561.8	571.7	561.8
50°	470.4	472.4	476.4	472.4
52.5°	385.1	385.1	391.0	385.1
55°	311.6	313.6	315.6	311.6
57.5°	248.1	248.1	250.1	248.1
60°	192.5	194.5	194.5	192.5
62.5°	152.8	152.8	152.8	152.8
65°	121.1	121.1	123.1	121.1
67.5°	95.3	93.3	95.3	93.3
70°	71.5	71.5	71.5	71.5
72.5°	55.6	55.6	53.6	53.6
75°	39.7	41.7	39.7	39.7
77.5°	27.8	27.8	27.8	27.8
80°	17.9	17.9	17.9	17.9
82.5°	11.9	11.9	11.9	11.9
85°	7.9	6.0	6.0	6.0
87.5°	4.0	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0



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— 0°-180° - - 45°-225° - - - - 90°-270° - · - · 135°-315°





















(END OF REPORT)