

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: PORTFOLIO

Report Number: P212809

Luminaire Tested: **LE\_6B30D010 EC6B30508027 6LBSWL11**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212809  
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: PORTFOLIO  
Catalog Number: LE\_6B30D010 EC6B30508027 6LBSWL1  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3376.3 lumens  
Efficiency: N/A  
Efficacy: 120.6 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

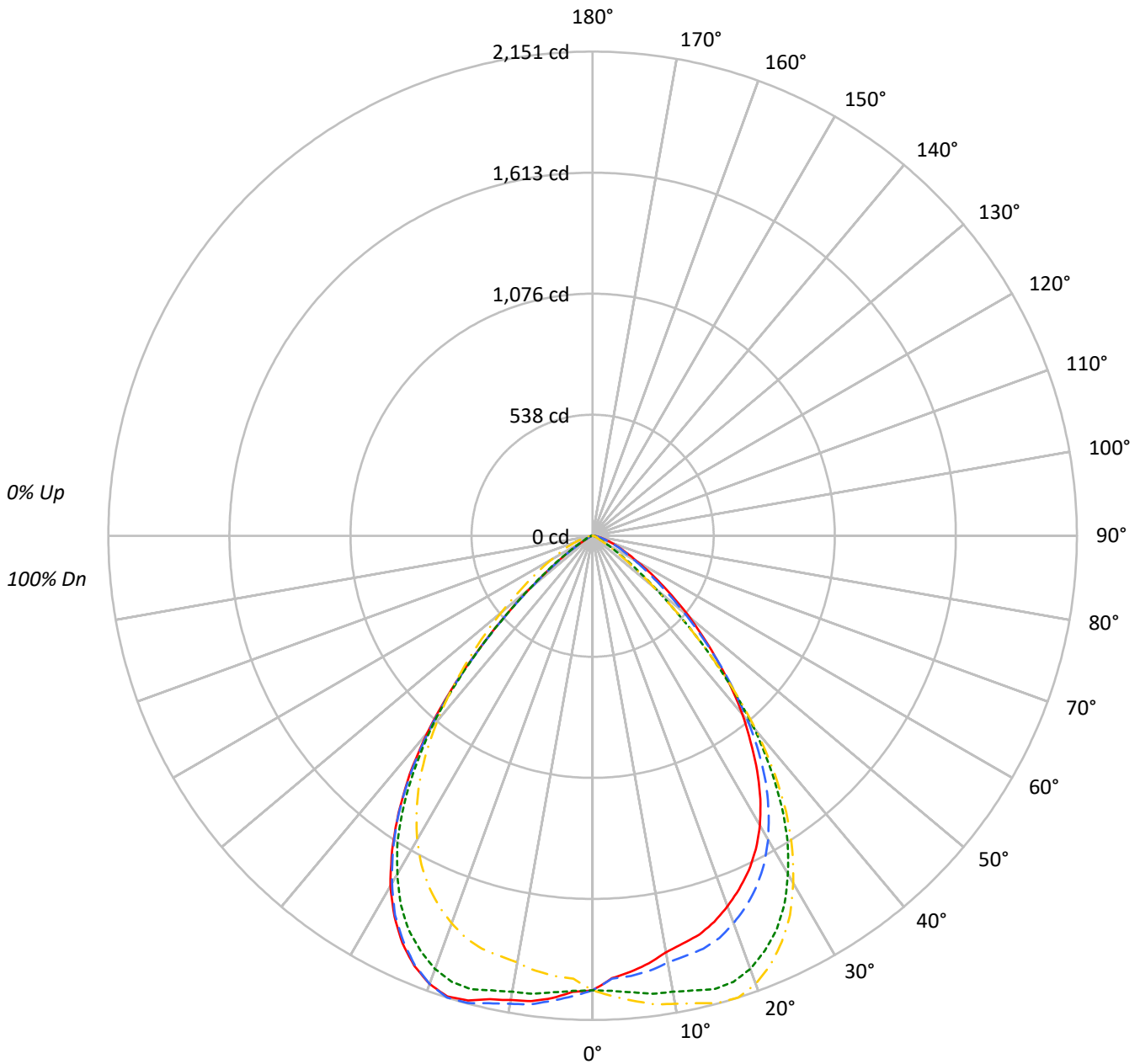
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	110704	110704	110704	110704
5°	106983	112035	113460	112035
10°	104563	114505	116598	114505
15°	104064	118343	121283	118343
20°	102174	119454	123567	119454
25°	99254	116886	120866	116886
30°	94052	109827	113695	109827
35°	85267	97855	100532	97855
40°	74024	79735	81760	79735
45°	60696	55044	55401	55044
50°	47717	30873	30276	30873
55°	35277	15283	13706	15283
60°	24998	6699	4890	6699
65°	18601	4268	3048	4268
70°	13560	3382	2260	3382
75°	9955	2499	1483	2499
80°	6661	2210	758	2210
85°	4403	1510	1510	1510



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	193.3	5.7
10°-20°	572.6	17.0
20°-30°	854.4	25.3
30°-40°	877.9	26.0
40°-50°	568.5	16.8
50°-60°	211.4	6.3
60°-70°	69.4	2.1
70°-80°	24.5	0.7
80°-90°	4.4	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°	1620.3	48.0
0°-40°	2498.2	74.0
0°-60°	3278.1	97.1
0°-90°	3376.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3376.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2019	2019	2019	2019	2019	
5°	1944	2036	2062	2036	1944	184
15°	1834	2085	2137	2085	1834	516
25°	1641	1932	1998	1932	1641	752
35°	1274	1462	1502	1462	1274	791
45°	783	710	715	710	783	605
55°	369	160	143	160	369	336
65°	143	33	24	33	143	146
75°	47	12	7	12	47	52
85°	7	2	2	2	7	9
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°	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4
2.5°	1967.6	1995.9	1977.1	1988.9	1970.0	1970.0	2007.6	1986.5	2003.0	1986.5	1970.0
5°	1944.1	1979.4	1955.9	1967.6	1951.2	1953.6	1988.9	1972.4	1988.9	1977.1	1963.0
7.5°	1916.0	1951.2	1930.1	1941.9	1925.4	1930.1	1967.6	1951.2	1970.0	1958.2	1948.9
10°	1878.4	1916.0	1897.1	1908.9	1894.8	1897.1	1934.8	1923.0	1939.5	1932.4	1925.4
12.5°	1854.9	1890.1	1869.0	1880.8	1871.2	1876.0	1911.2	1901.9	1923.0	1916.0	1911.2
15°	1833.6	1866.6	1847.8	1859.5	1852.5	1854.9	1892.5	1883.0	1906.5	1901.9	1899.5
17.5°	1798.4	1833.6	1812.5	1826.6	1819.6	1821.9	1859.5	1852.5	1876.0	1876.0	1873.6
20°	1751.4	1786.6	1770.2	1779.6	1774.9	1779.6	1812.5	1807.9	1831.4	1831.4	1831.4
22.5°	1699.6	1735.0	1716.1	1725.5	1720.9	1727.9	1758.5	1758.5	1777.2	1779.6	1782.0
25°	1640.9	1676.1	1657.4	1669.1	1664.4	1669.1	1697.4	1699.6	1716.1	1716.1	1720.9
27.5°	1570.4	1605.6	1586.9	1596.2	1593.9	1596.2	1626.8	1631.5	1640.9	1643.2	1648.0
30°	1485.8	1518.6	1499.9	1509.2	1509.2	1509.2	1539.9	1542.1	1551.6	1553.9	1558.6
32.5°	1387.0	1415.2	1401.1	1410.5	1408.1	1412.9	1434.0	1443.4	1455.2	1452.9	1455.2
35°	1274.1	1304.8	1290.6	1297.6	1300.0	1307.1	1321.2	1333.0	1335.2	1337.6	1342.4
37.5°	1151.9	1182.5	1168.4	1175.4	1177.8	1191.9	1196.6	1208.4	1213.0	1213.0	1213.0
40°	1034.4	1048.5	1036.8	1043.8	1046.1	1057.9	1062.6	1072.0	1076.8	1074.4	1072.0
42.5°	907.4	919.2	907.4	914.5	914.5	923.9	926.2	938.0	938.0	933.2	926.2
45°	782.9	794.6	782.9	787.5	787.5	797.0	797.0	797.0	801.6	794.6	782.9
47.5°	665.2	677.0	665.2	670.0	667.6	674.8	672.4	674.8	667.6	663.0	648.9
50°	559.5	564.2	559.5	557.1	559.5	564.2	561.9	561.9	552.5	545.4	529.0
52.5°	456.1	463.1	456.1	456.1	456.1	460.8	460.8	458.4	449.0	439.6	423.1
55°	369.1	373.8	371.4	369.1	369.1	373.8	369.1	369.1	359.6	352.6	336.1
57.5°	293.9	296.2	293.9	293.9	293.9	296.2	296.2	291.5	284.5	277.4	265.6
60°	228.0	230.4	230.4	228.0	228.0	232.8	232.8	230.4	223.4	218.6	206.9
62.5°	181.0	181.0	181.0	181.0	181.0	183.4	183.4	183.4	178.6	174.0	164.5
65°	143.4	145.8	143.4	143.4	145.8	148.1	145.8	148.1	143.4	141.0	134.0
67.5°	110.5	112.9	110.5	112.9	112.9	115.2	112.9	115.2	110.5	108.1	103.5
70°	84.6	84.6	84.6	84.6	84.6	87.0	84.6	87.0	84.6	82.2	77.6
72.5°	63.5	63.5	65.9	65.9	63.5	65.9	63.5	63.5	63.5	61.1	58.8
75°	47.0	47.0	49.4	47.0	47.0	47.0	47.0	47.0	44.6	44.6	42.4
77.5°	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	30.5	30.5	28.2
80°	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	18.8	18.8
82.5°	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	11.8	11.8
85°	7.0	7.0	7.0	9.4	7.0	7.0	7.0	7.0	7.0	7.0	7.0
87.5°	2.4	2.4	2.4	4.8	2.4	2.4	4.8	4.8	2.4	2.4	2.4
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):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4
2.5°	1988.9	1995.9	1995.9	1988.9	2005.2	1991.1	2019.4	1993.5	2000.6	2024.1	2021.8
5°	1981.8	1991.1	1993.5	1988.9	2010.0	1998.2	2026.5	2000.6	2012.4	2035.9	2035.9
7.5°	1972.4	1984.1	1988.9	1993.5	2012.4	2000.6	2033.5	2007.6	2024.1	2052.2	2050.0
10°	1951.2	1967.6	1977.1	1984.1	2003.0	1995.9	2031.1	2010.0	2024.1	2057.0	2054.6
12.5°	1939.5	1958.2	1972.4	1984.1	2005.2	2000.6	2035.9	2017.0	2035.9	2068.8	2068.8
15°	1930.1	1951.2	1967.6	1988.9	2010.0	2005.2	2042.9	2026.5	2045.2	2085.2	2082.9
17.5°	1906.5	1932.4	1948.9	1972.4	1993.5	1991.1	2031.1	2019.4	2040.5	2078.1	2080.5
20°	1866.6	1890.1	1908.9	1937.1	1960.6	1955.9	1998.2	1986.5	2007.6	2047.6	2050.0
22.5°	1814.9	1838.4	1857.1	1887.8	1908.9	1906.5	1948.9	1937.1	1958.2	1995.9	1998.2
25°	1753.8	1774.9	1793.8	1821.9	1845.4	1845.4	1883.0	1871.2	1894.8	1932.4	1932.4
27.5°	1678.5	1697.4	1713.8	1746.8	1765.5	1765.5	1800.8	1789.0	1812.5	1845.4	1843.1
30°	1586.9	1603.2	1617.4	1645.6	1662.1	1664.4	1695.0	1683.2	1706.8	1735.0	1735.0
32.5°	1476.4	1492.8	1502.2	1537.5	1549.2	1546.9	1570.4	1558.6	1582.1	1612.8	1605.6
35°	1358.8	1365.9	1372.9	1408.1	1412.9	1403.5	1427.0	1415.2	1431.6	1462.2	1457.5
37.5°	1224.8	1227.1	1227.1	1257.8	1260.1	1253.0	1267.1	1253.0	1264.8	1293.0	1290.6
40°	1076.8	1074.4	1072.0	1095.5	1093.1	1079.0	1088.5	1076.8	1093.1	1114.2	1102.5
42.5°	926.2	919.2	909.8	921.5	912.1	900.4	905.1	886.2	898.0	914.5	900.4
45°	778.1	764.0	745.2	747.6	735.9	721.8	714.6	695.9	693.5	710.0	698.2
47.5°	639.4	611.2	594.8	585.4	566.5	554.8	540.8	519.5	510.1	519.5	507.8
50°	514.9	486.6	465.5	444.4	425.5	411.4	387.9	373.8	359.6	362.0	352.6
52.5°	406.8	387.9	352.6	336.1	317.4	300.9	279.8	263.2	246.9	246.9	237.5
55°	322.1	296.2	272.8	249.2	230.4	216.2	195.1	178.6	162.2	159.9	150.5
57.5°	249.2	230.4	204.5	181.0	169.2	155.1	134.0	115.2	105.8	98.8	91.6
60°	192.8	174.0	152.8	134.0	119.9	110.5	89.4	75.2	65.9	61.1	54.1
62.5°	155.1	138.8	119.9	101.1	91.6	82.2	65.9	54.1	44.6	40.0	35.2
65°	124.6	110.5	96.4	82.2	75.2	65.9	54.1	44.6	37.6	32.9	28.2
67.5°	96.4	87.0	75.2	65.9	58.8	51.8	42.4	35.2	30.5	25.9	23.5
70°	72.9	65.9	58.8	49.4	44.6	40.0	32.9	25.9	23.5	21.1	18.8
72.5°	56.4	49.4	42.4	37.6	32.9	30.5	25.9	21.1	18.8	16.5	14.1
75°	37.6	35.2	30.5	25.9	23.5	21.1	18.8	16.5	14.1	11.8	11.8
77.5°	25.9	23.5	21.1	18.8	16.5	16.5	14.1	11.8	9.4	9.4	7.0
80°	16.5	14.1	14.1	11.8	11.8	11.8	9.4	7.0	7.0	7.0	4.8
82.5°	11.8	9.4	9.4	7.0	7.0	7.0	7.0	4.8	4.8	4.8	2.4
85°	7.0	4.8	4.8	4.8	4.8	4.8	4.8	2.4	2.4	2.4	2.4
87.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	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°	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4
2.5°	2003.0	2024.1	2024.1	2042.9	2045.2	2040.5	2019.4	2019.4	2047.6	2064.1	2035.9
5°	2021.8	2042.9	2042.9	2061.8	2071.1	2064.1	2042.9	2045.2	2073.5	2092.2	2064.1
7.5°	2038.2	2059.4	2064.1	2085.2	2092.2	2085.2	2064.1	2068.8	2099.4	2115.8	2087.6
10°	2045.2	2066.4	2068.8	2092.2	2101.6	2092.2	2075.9	2078.1	2111.1	2122.9	2097.0
12.5°	2061.8	2082.9	2082.9	2108.8	2118.1	2111.1	2089.9	2094.6	2127.5	2139.2	2113.4
15°	2078.1	2099.4	2099.4	2127.5	2139.2	2129.9	2113.4	2115.8	2148.8	2160.5	2139.2
17.5°	2078.1	2097.0	2097.0	2127.5	2139.2	2132.2	2113.4	2115.8	2151.0	2160.5	2139.2
20°	2047.6	2068.8	2064.1	2094.6	2106.4	2099.4	2082.9	2082.9	2118.1	2127.5	2106.4
22.5°	1998.2	2017.0	2012.4	2040.5	2054.6	2045.2	2031.1	2028.8	2064.1	2073.5	2052.2
25°	1930.1	1948.9	1944.1	1972.4	1986.5	1974.8	1958.2	1960.6	1988.9	2003.0	1984.1
27.5°	1850.1	1861.9	1854.9	1883.0	1897.1	1885.4	1869.0	1871.2	1899.5	1908.9	1894.8
30°	1742.0	1751.4	1744.4	1767.9	1777.2	1770.2	1756.1	1756.1	1782.0	1793.8	1779.6
32.5°	1612.8	1619.8	1612.8	1631.5	1650.2	1636.2	1622.1	1622.1	1650.2	1659.8	1643.2
35°	1462.2	1469.2	1464.6	1483.4	1497.5	1478.8	1467.0	1462.2	1499.9	1495.1	1485.8
37.5°	1295.4	1300.0	1285.9	1318.9	1325.9	1304.8	1295.4	1290.6	1323.5	1321.2	1311.8
40°	1107.2	1112.0	1102.5	1126.1	1128.4	1112.0	1104.9	1097.9	1130.8	1128.4	1121.4
42.5°	907.4	909.8	898.0	916.9	921.5	905.1	902.8	893.4	923.9	919.2	916.9
45°	700.5	700.5	691.1	705.2	710.0	695.9	691.1	688.8	710.0	710.0	705.2
47.5°	507.8	500.8	489.0	510.1	512.5	503.1	500.8	493.6	514.9	514.9	510.1
50°	347.9	345.6	343.2	347.9	350.2	338.5	345.6	338.5	350.2	350.2	350.2
52.5°	232.8	230.4	225.6	230.4	230.4	223.4	223.4	221.0	230.4	230.4	225.6
55°	145.8	143.4	141.0	143.4	143.4	136.4	141.0	136.4	141.0	141.0	138.8
57.5°	89.4	84.6	84.6	82.2	82.2	77.6	79.9	79.9	79.9	79.9	79.9
60°	51.8	49.4	47.0	47.0	47.0	44.6	44.6	44.6	44.6	44.6	44.6
62.5°	32.9	32.9	30.5	30.5	30.5	30.5	30.5	28.2	30.5	30.5	30.5
65°	28.2	25.9	25.9	25.9	25.9	23.5	23.5	23.5	23.5	23.5	23.5
67.5°	23.5	21.1	21.1	21.1	21.1	18.8	18.8	18.8	18.8	18.8	18.8
70°	18.8	16.5	16.5	16.5	16.5	16.5	14.1	16.5	16.5	14.1	14.1
72.5°	14.1	14.1	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
75°	9.4	9.4	9.4	9.4	9.4	7.0	7.0	7.0	7.0	7.0	7.0
77.5°	7.0	7.0	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
80°	4.8	4.8	4.8	4.8	4.8	2.4	2.4	2.4	2.4	2.4	2.4
82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
85°	2.4	2.4	2.4	2.4	2.4	0.0	2.4	0.0	2.4	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: P212809

CATALOG NUMBER: LE\_6B30D010 EC6B30508027 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4
2.5°	2068.8	2045.2	2033.5	2057.0	2066.4	2054.6	2045.2	2028.8	2045.2	2054.6	2066.4
5°	2097.0	2075.9	2066.4	2082.9	2097.0	2085.2	2078.1	2061.8	2078.1	2085.2	2097.0
7.5°	2122.9	2101.6	2089.9	2106.4	2122.9	2106.4	2099.4	2085.2	2099.4	2106.4	2122.9
10°	2132.2	2108.8	2099.4	2113.4	2129.9	2113.4	2104.0	2094.6	2104.0	2113.4	2129.9
12.5°	2148.8	2125.1	2113.4	2125.1	2141.6	2125.1	2115.8	2108.8	2115.8	2125.1	2141.6
15°	2172.2	2151.0	2137.0	2148.8	2169.9	2151.0	2139.2	2137.0	2139.2	2151.0	2169.9
17.5°	2172.2	2155.8	2141.6	2151.0	2172.2	2158.1	2141.6	2146.4	2141.6	2158.1	2172.2
20°	2141.6	2125.1	2113.4	2113.4	2144.0	2125.1	2111.1	2118.1	2111.1	2125.1	2144.0
22.5°	2087.6	2073.5	2061.8	2059.4	2089.9	2073.5	2054.6	2068.8	2054.6	2073.5	2089.9
25°	2017.0	2003.0	1993.5	1988.9	2019.4	2000.6	1984.1	1998.2	1984.1	2000.6	2019.4
27.5°	1925.4	1913.6	1904.2	1897.1	1925.4	1908.9	1892.5	1906.5	1892.5	1908.9	1925.4
30°	1807.9	1800.8	1791.4	1782.0	1810.1	1793.8	1777.2	1796.1	1777.2	1793.8	1810.1
32.5°	1671.5	1666.8	1655.0	1645.6	1673.9	1655.0	1643.2	1657.4	1643.2	1655.0	1673.9
35°	1514.0	1506.9	1499.9	1483.4	1514.0	1497.5	1497.5	1502.2	1497.5	1497.5	1514.0
37.5°	1337.6	1333.0	1323.5	1309.4	1335.2	1323.5	1318.9	1333.0	1318.9	1323.5	1335.2
40°	1140.1	1137.9	1130.8	1114.2	1142.5	1130.8	1123.8	1142.5	1123.8	1130.8	1142.5
42.5°	933.2	928.6	921.5	919.2	933.2	923.9	931.0	931.0	931.0	923.9	933.2
45°	719.4	714.6	710.0	700.5	717.0	712.4	710.0	714.6	710.0	712.4	717.0
47.5°	521.9	517.2	512.5	505.4	521.9	514.9	514.9	519.5	514.9	514.9	521.9
50°	350.2	352.6	350.2	345.6	350.2	347.9	350.2	355.0	350.2	347.9	350.2
52.5°	232.8	232.8	228.0	225.6	230.4	228.0	235.1	230.4	235.1	228.0	230.4
55°	141.0	143.4	141.0	138.8	141.0	138.8	145.8	143.4	145.8	138.8	141.0
57.5°	79.9	79.9	82.2	79.9	84.6	82.2	82.2	82.2	82.2	82.2	84.6
60°	44.6	44.6	44.6	44.6	44.6	44.6	47.0	44.6	47.0	44.6	44.6
62.5°	30.5	30.5	30.5	28.2	30.5	28.2	30.5	30.5	30.5	28.2	30.5
65°	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5
67.5°	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
70°	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
72.5°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
75°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
77.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
80°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	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: P212809

CATALOG NUMBER: LE\_6B30D010 EC6B30508027 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4
2.5°	2057.0	2033.5	2045.2	2068.8	2035.9	2064.1	2047.6	2019.4	2019.4	2040.5	2045.2
5°	2082.9	2066.4	2075.9	2097.0	2064.1	2092.2	2073.5	2045.2	2042.9	2064.1	2071.1
7.5°	2106.4	2089.9	2101.6	2122.9	2087.6	2115.8	2099.4	2068.8	2064.1	2085.2	2092.2
10°	2113.4	2099.4	2108.8	2132.2	2097.0	2122.9	2111.1	2078.1	2075.9	2092.2	2101.6
12.5°	2125.1	2113.4	2125.1	2148.8	2113.4	2139.2	2127.5	2094.6	2089.9	2111.1	2118.1
15°	2148.8	2137.0	2151.0	2172.2	2139.2	2160.5	2148.8	2115.8	2113.4	2129.9	2139.2
17.5°	2151.0	2141.6	2155.8	2172.2	2139.2	2160.5	2151.0	2115.8	2113.4	2132.2	2139.2
20°	2113.4	2113.4	2125.1	2141.6	2106.4	2127.5	2118.1	2082.9	2082.9	2099.4	2106.4
22.5°	2059.4	2061.8	2073.5	2087.6	2052.2	2073.5	2064.1	2028.8	2031.1	2045.2	2054.6
25°	1988.9	1993.5	2003.0	2017.0	1984.1	2003.0	1988.9	1960.6	1958.2	1974.8	1986.5
27.5°	1897.1	1904.2	1913.6	1925.4	1894.8	1908.9	1899.5	1871.2	1869.0	1885.4	1897.1
30°	1782.0	1791.4	1800.8	1807.9	1779.6	1793.8	1782.0	1756.1	1756.1	1770.2	1777.2
32.5°	1645.6	1655.0	1666.8	1671.5	1643.2	1659.8	1650.2	1622.1	1622.1	1636.2	1650.2
35°	1483.4	1499.9	1506.9	1514.0	1485.8	1495.1	1499.9	1462.2	1467.0	1478.8	1497.5
37.5°	1309.4	1323.5	1333.0	1337.6	1311.8	1321.2	1323.5	1290.6	1295.4	1304.8	1325.9
40°	1114.2	1130.8	1137.9	1140.1	1121.4	1128.4	1130.8	1097.9	1104.9	1112.0	1128.4
42.5°	919.2	921.5	928.6	933.2	916.9	919.2	923.9	893.4	902.8	905.1	921.5
45°	700.5	710.0	714.6	719.4	705.2	710.0	710.0	688.8	691.1	695.9	710.0
47.5°	505.4	512.5	517.2	521.9	510.1	514.9	514.9	493.6	500.8	503.1	512.5
50°	345.6	350.2	352.6	350.2	350.2	350.2	350.2	338.5	345.6	338.5	350.2
52.5°	225.6	228.0	232.8	232.8	225.6	230.4	230.4	221.0	223.4	223.4	230.4
55°	138.8	141.0	143.4	141.0	138.8	141.0	141.0	136.4	141.0	136.4	143.4
57.5°	79.9	82.2	79.9	79.9	79.9	79.9	79.9	79.9	79.9	77.6	82.2
60°	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	47.0
62.5°	28.2	30.5	30.5	30.5	30.5	30.5	30.5	28.2	30.5	30.5	30.5
65°	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	25.9
67.5°	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	21.1
70°	14.1	14.1	14.1	14.1	14.1	14.1	16.5	16.5	14.1	16.5	16.5
72.5°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
75°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	9.4
77.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
80°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.8
82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	2.4	0.0	2.4
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: P212809

CATALOG NUMBER: LE\_6B30D010 EC6B30508027 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4
2.5°	2042.9	2024.1	2024.1	2003.0	2021.8	2024.1	2000.6	1993.5	2019.4	1991.1	2005.2
5°	2061.8	2042.9	2042.9	2021.8	2035.9	2035.9	2012.4	2000.6	2026.5	1998.2	2010.0
7.5°	2085.2	2064.1	2059.4	2038.2	2050.0	2052.2	2024.1	2007.6	2033.5	2000.6	2012.4
10°	2092.2	2068.8	2066.4	2045.2	2054.6	2057.0	2024.1	2010.0	2031.1	1995.9	2003.0
12.5°	2108.8	2082.9	2082.9	2061.8	2068.8	2068.8	2035.9	2017.0	2035.9	2000.6	2005.2
15°	2127.5	2099.4	2099.4	2078.1	2082.9	2085.2	2045.2	2026.5	2042.9	2005.2	2010.0
17.5°	2127.5	2097.0	2097.0	2078.1	2080.5	2078.1	2040.5	2019.4	2031.1	1991.1	1993.5
20°	2094.6	2064.1	2068.8	2047.6	2050.0	2047.6	2007.6	1986.5	1998.2	1955.9	1960.6
22.5°	2040.5	2012.4	2017.0	1998.2	1998.2	1995.9	1958.2	1937.1	1948.9	1906.5	1908.9
25°	1972.4	1944.1	1948.9	1930.1	1932.4	1932.4	1894.8	1871.2	1883.0	1845.4	1845.4
27.5°	1883.0	1854.9	1861.9	1850.1	1843.1	1845.4	1812.5	1789.0	1800.8	1765.5	1765.5
30°	1767.9	1744.4	1751.4	1742.0	1735.0	1735.0	1706.8	1683.2	1695.0	1664.4	1662.1
32.5°	1631.5	1612.8	1619.8	1612.8	1605.6	1612.8	1582.1	1558.6	1570.4	1546.9	1549.2
35°	1483.4	1464.6	1469.2	1462.2	1457.5	1462.2	1431.6	1415.2	1427.0	1403.5	1412.9
37.5°	1318.9	1285.9	1300.0	1295.4	1290.6	1293.0	1264.8	1253.0	1267.1	1253.0	1260.1
40°	1126.1	1102.5	1112.0	1107.2	1102.5	1114.2	1093.1	1076.8	1088.5	1079.0	1093.1
42.5°	916.9	898.0	909.8	907.4	900.4	914.5	898.0	886.2	905.1	900.4	912.1
45°	705.2	691.1	700.5	700.5	698.2	710.0	693.5	695.9	714.6	721.8	735.9
47.5°	510.1	489.0	500.8	507.8	507.8	519.5	510.1	519.5	540.8	554.8	566.5
50°	347.9	343.2	345.6	347.9	352.6	362.0	359.6	373.8	387.9	411.4	425.5
52.5°	230.4	225.6	230.4	232.8	237.5	246.9	246.9	263.2	279.8	300.9	317.4
55°	143.4	141.0	143.4	145.8	150.5	159.9	162.2	178.6	195.1	216.2	230.4
57.5°	82.2	84.6	84.6	89.4	91.6	98.8	105.8	115.2	134.0	155.1	169.2
60°	47.0	47.0	49.4	51.8	54.1	61.1	65.9	75.2	89.4	110.5	119.9
62.5°	30.5	30.5	32.9	32.9	35.2	40.0	44.6	54.1	65.9	82.2	91.6
65°	25.9	25.9	25.9	28.2	28.2	32.9	37.6	44.6	54.1	65.9	75.2
67.5°	21.1	21.1	21.1	23.5	23.5	25.9	30.5	35.2	42.4	51.8	58.8
70°	16.5	16.5	16.5	18.8	18.8	21.1	23.5	25.9	32.9	40.0	44.6
72.5°	11.8	11.8	14.1	14.1	14.1	16.5	18.8	21.1	25.9	30.5	32.9
75°	9.4	9.4	9.4	9.4	11.8	11.8	14.1	16.5	18.8	21.1	23.5
77.5°	4.8	4.8	7.0	7.0	7.0	9.4	9.4	11.8	14.1	16.5	16.5
80°	4.8	4.8	4.8	4.8	4.8	7.0	7.0	7.0	9.4	11.8	11.8
82.5°	2.4	2.4	2.4	2.4	2.4	4.8	4.8	4.8	7.0	7.0	7.0
85°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.8	4.8	4.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4	2.4	2.4	2.4
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: P212809

CATALOG NUMBER: LE\_6B30D010 EC6B30508027 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4	2019.4
2.5°	1988.9	1995.9	1995.9	1988.9	1970.0	1986.5	2003.0	1986.5	2007.6	1970.0	1970.0
5°	1988.9	1993.5	1991.1	1981.8	1963.0	1977.1	1988.9	1972.4	1988.9	1953.6	1951.2
7.5°	1993.5	1988.9	1984.1	1972.4	1948.9	1958.2	1970.0	1951.2	1967.6	1930.1	1925.4
10°	1984.1	1977.1	1967.6	1951.2	1925.4	1932.4	1939.5	1923.0	1934.8	1897.1	1894.8
12.5°	1984.1	1972.4	1958.2	1939.5	1911.2	1916.0	1923.0	1901.9	1911.2	1876.0	1871.2
15°	1988.9	1967.6	1951.2	1930.1	1899.5	1901.9	1906.5	1883.0	1892.5	1854.9	1852.5
17.5°	1972.4	1948.9	1932.4	1906.5	1873.6	1876.0	1876.0	1852.5	1859.5	1821.9	1819.6
20°	1937.1	1908.9	1890.1	1866.6	1831.4	1831.4	1831.4	1807.9	1812.5	1779.6	1774.9
22.5°	1887.8	1857.1	1838.4	1814.9	1782.0	1779.6	1777.2	1758.5	1758.5	1727.9	1720.9
25°	1821.9	1793.8	1774.9	1753.8	1720.9	1716.1	1716.1	1699.6	1697.4	1669.1	1664.4
27.5°	1746.8	1713.8	1697.4	1678.5	1648.0	1643.2	1640.9	1631.5	1626.8	1596.2	1593.9
30°	1645.6	1617.4	1603.2	1586.9	1558.6	1553.9	1551.6	1542.1	1539.9	1509.2	1509.2
32.5°	1537.5	1502.2	1492.8	1476.4	1455.2	1452.9	1455.2	1443.4	1434.0	1412.9	1408.1
35°	1408.1	1372.9	1365.9	1358.8	1342.4	1337.6	1335.2	1333.0	1321.2	1307.1	1300.0
37.5°	1257.8	1227.1	1227.1	1224.8	1213.0	1213.0	1213.0	1208.4	1196.6	1191.9	1177.8
40°	1095.5	1072.0	1074.4	1076.8	1072.0	1074.4	1076.8	1072.0	1062.6	1057.9	1046.1
42.5°	921.5	909.8	919.2	926.2	926.2	933.2	938.0	938.0	926.2	923.9	914.5
45°	747.6	745.2	764.0	778.1	782.9	794.6	801.6	797.0	797.0	797.0	787.5
47.5°	585.4	594.8	611.2	639.4	648.9	663.0	667.6	674.8	672.4	674.8	667.6
50°	444.4	465.5	486.6	514.9	529.0	545.4	552.5	561.9	561.9	564.2	559.5
52.5°	336.1	352.6	387.9	406.8	423.1	439.6	449.0	458.4	460.8	460.8	456.1
55°	249.2	272.8	296.2	322.1	336.1	352.6	359.6	369.1	369.1	373.8	369.1
57.5°	181.0	204.5	230.4	249.2	265.6	277.4	284.5	291.5	296.2	296.2	293.9
60°	134.0	152.8	174.0	192.8	206.9	218.6	223.4	230.4	232.8	232.8	228.0
62.5°	101.1	119.9	138.8	155.1	164.5	174.0	178.6	183.4	183.4	183.4	181.0
65°	82.2	96.4	110.5	124.6	134.0	141.0	143.4	148.1	145.8	148.1	145.8
67.5°	65.9	75.2	87.0	96.4	103.5	108.1	110.5	115.2	112.9	115.2	112.9
70°	49.4	58.8	65.9	72.9	77.6	82.2	84.6	87.0	84.6	87.0	84.6
72.5°	37.6	42.4	49.4	56.4	58.8	61.1	63.5	63.5	63.5	65.9	63.5
75°	25.9	30.5	35.2	37.6	42.4	44.6	44.6	47.0	47.0	47.0	47.0
77.5°	18.8	21.1	23.5	25.9	28.2	30.5	30.5	32.9	32.9	32.9	32.9
80°	11.8	14.1	14.1	16.5	18.8	18.8	21.1	21.1	21.1	21.1	21.1
82.5°	7.0	9.4	9.4	11.8	11.8	11.8	14.1	14.1	14.1	14.1	14.1
85°	4.8	4.8	4.8	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
87.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.8	4.8	2.4	2.4
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: P212809

CATALOG NUMBER: LE\_6B30D010 EC6B30508027 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	2019.4	2019.4	2019.4	2019.4
2.5°	1988.9	1977.1	1995.9	1967.6
5°	1967.6	1955.9	1979.4	1944.1
7.5°	1941.9	1930.1	1951.2	1916.0
10°	1908.9	1897.1	1916.0	1878.4
12.5°	1880.8	1869.0	1890.1	1854.9
15°	1859.5	1847.8	1866.6	1833.6
17.5°	1826.6	1812.5	1833.6	1798.4
20°	1779.6	1770.2	1786.6	1751.4
22.5°	1725.5	1716.1	1735.0	1699.6
25°	1669.1	1657.4	1676.1	1640.9
27.5°	1596.2	1586.9	1605.6	1570.4
30°	1509.2	1499.9	1518.6	1485.8
32.5°	1410.5	1401.1	1415.2	1387.0
35°	1297.6	1290.6	1304.8	1274.1
37.5°	1175.4	1168.4	1182.5	1151.9
40°	1043.8	1036.8	1048.5	1034.4
42.5°	914.5	907.4	919.2	907.4
45°	787.5	782.9	794.6	782.9
47.5°	670.0	665.2	677.0	665.2
50°	557.1	559.5	564.2	559.5
52.5°	456.1	456.1	463.1	456.1
55°	369.1	371.4	373.8	369.1
57.5°	293.9	293.9	296.2	293.9
60°	228.0	230.4	230.4	228.0
62.5°	181.0	181.0	181.0	181.0
65°	143.4	143.4	145.8	143.4
67.5°	112.9	110.5	112.9	110.5
70°	84.6	84.6	84.6	84.6
72.5°	65.9	65.9	63.5	63.5
75°	47.0	49.4	47.0	47.0
77.5°	32.9	32.9	32.9	32.9
80°	21.1	21.1	21.1	21.1
82.5°	14.1	14.1	14.1	14.1
85°	9.4	7.0	7.0	7.0
87.5°	4.8	2.4	2.4	2.4
90°	0.0	0.0	0.0	0.0



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

























(END OF REPORT)