

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: P212817

Luminaire Tested: **LE_6B30D010 EC6B30509035 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212817
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 EC6B30509035 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3057.4 lumens
Efficiency: N/A
Efficacy: 109.2 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

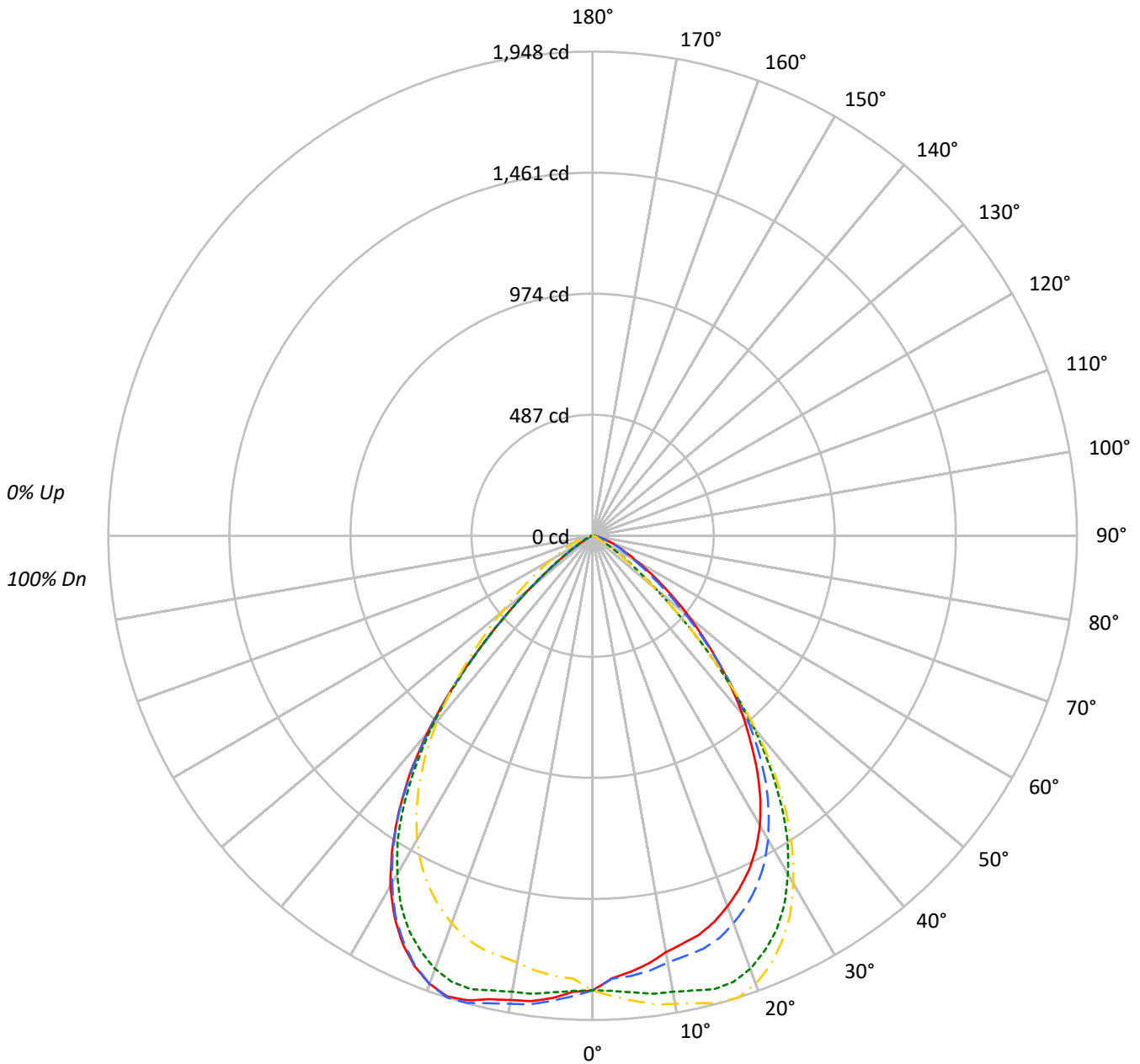
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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																			
1	112	109	106	103	110	107	104	102	103	100	99	99	97	96	95	94	93	91																			
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	84	82																			
3	98	91	84	80	96	89	84	79	86	82	78	84	80	76	81	78	75	73																			
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66																			
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60																			
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54																			
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49																			
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45																			
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42																			
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	100255	100255	100255	100255
5°	96885	101453	102740	101453
10°	94688	103694	105593	103694
15°	94240	107174	109825	107174
20°	92525	108171	111899	108171
25°	89884	105853	109452	105853
30°	85171	99452	102959	99452
35°	77223	88613	91042	88613
40°	67040	72214	74039	72214
45°	54959	49842	50168	49842
50°	43205	27965	27419	27965
55°	31942	13839	12415	13839
60°	22641	6074	4440	6074
65°	16850	3866	2750	3866
70°	12278	3061	2052	3061
75°	9023	2245	1356	2245
80°	6030	2020	663	2020
85°	4026	1321	1321	1321



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.1	5.7
10°-20°	518.5	17.0
20°-30°	773.8	25.3
30°-40°	795.0	26.0
40°-50°	514.8	16.8
50°-60°	191.4	6.3
60°-70°	62.8	2.1
70°-80°	22.1	0.7
80°-90°	4.0	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°	1467.3	48.0
0°-40°	2262.3	74.0
0°-60°	2968.5	97.1
0°-90°	3057.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3057.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1829	1829	1829	1829	1829	
5°	1761	1844	1867	1844	1761	166
15°	1660	1888	1935	1888	1660	467
25°	1486	1750	1810	1750	1486	681
35°	1154	1324	1360	1324	1154	716
45°	709	643	647	643	709	548
55°	334	145	130	145	334	305
65°	130	30	21	30	130	132
75°	43	11	6	11	43	47
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°	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8
2.5°	1781.9	1807.4	1790.4	1801.0	1784.0	1784.0	1818.1	1798.9	1813.8	1798.9	1784.0
5°	1760.6	1792.5	1771.2	1781.9	1767.0	1769.1	1801.0	1786.1	1801.0	1790.4	1777.6
7.5°	1735.0	1767.0	1747.9	1758.5	1743.5	1747.9	1781.9	1767.0	1784.0	1773.4	1764.9
10°	1701.0	1735.0	1718.0	1728.6	1715.9	1718.0	1752.1	1741.4	1756.4	1750.0	1743.5
12.5°	1679.8	1711.6	1692.5	1703.1	1694.6	1698.9	1730.8	1722.2	1741.4	1735.0	1730.8
15°	1660.5	1690.4	1673.2	1684.0	1677.6	1679.8	1713.8	1705.2	1726.5	1722.2	1720.1
17.5°	1628.6	1660.5	1641.4	1654.1	1647.8	1649.9	1684.0	1677.6	1698.9	1698.9	1696.8
20°	1586.0	1618.0	1603.0	1611.6	1607.2	1611.6	1641.4	1637.1	1658.4	1658.4	1658.4
22.5°	1539.1	1571.1	1554.1	1562.6	1558.4	1564.8	1592.4	1592.4	1609.5	1611.6	1613.8
25°	1486.0	1517.9	1500.9	1511.5	1507.2	1511.5	1537.0	1539.1	1554.1	1554.1	1558.4
27.5°	1422.1	1454.0	1437.0	1445.5	1443.4	1445.5	1473.2	1477.5	1486.0	1488.1	1492.4
30°	1345.5	1375.2	1358.2	1366.8	1366.8	1366.8	1394.4	1396.5	1405.1	1407.2	1411.5
32.5°	1256.0	1281.6	1268.9	1277.4	1275.2	1279.5	1298.6	1307.1	1317.8	1315.6	1317.8
35°	1153.9	1181.5	1168.8	1175.1	1177.2	1183.6	1196.4	1207.1	1209.2	1211.4	1215.6
37.5°	1043.1	1070.9	1058.0	1064.5	1066.6	1079.4	1083.6	1094.2	1098.5	1098.5	1098.5
40°	936.8	949.5	938.9	945.2	947.4	958.0	962.2	970.8	975.0	972.9	970.8
42.5°	821.8	832.4	821.8	828.1	828.1	836.6	838.8	849.4	849.4	845.1	838.8
45°	708.9	719.6	708.9	713.1	713.1	721.8	721.8	721.8	726.0	719.6	708.9
47.5°	602.5	613.1	602.5	606.8	604.6	611.0	608.9	611.0	604.6	600.4	587.6
50°	506.6	510.9	506.6	504.5	506.6	510.9	508.8	508.8	500.2	493.9	479.0
52.5°	413.0	419.4	413.0	413.0	413.0	417.2	417.2	415.1	406.6	398.1	383.2
55°	334.2	338.5	336.4	334.2	334.2	338.5	334.2	334.2	325.8	319.4	304.4
57.5°	266.1	268.2	266.1	266.1	266.1	268.2	268.2	264.0	257.6	251.2	240.6
60°	206.5	208.6	208.6	206.5	206.5	210.8	210.8	208.6	202.2	198.0	187.4
62.5°	163.9	163.9	163.9	163.9	163.9	166.0	166.0	166.0	161.8	157.5	149.0
65°	129.9	132.0	129.9	129.9	132.0	134.1	132.0	134.1	129.9	127.8	121.4
67.5°	100.0	102.1	100.0	102.1	102.1	104.4	102.1	104.4	100.0	97.9	93.6
70°	76.6	76.6	76.6	76.6	76.6	78.8	76.6	78.8	76.6	74.5	70.2
72.5°	57.5	57.5	59.6	59.6	57.5	59.6	57.5	57.5	57.5	55.4	53.2
75°	42.6	42.6	44.8	42.6	42.6	42.6	42.6	42.6	40.5	40.5	38.4
77.5°	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	27.6	27.6	25.5
80°	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	17.0	17.0
82.5°	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	10.6	10.6
85°	6.4	6.4	6.4	8.5	6.4	6.4	6.4	6.4	6.4	6.4	6.4
87.5°	2.1	2.1	2.1	4.2	2.1	2.1	4.2	4.2	2.1	2.1	2.1
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°	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8
2.5°	1801.0	1807.4	1807.4	1801.0	1816.0	1803.1	1828.8	1805.2	1811.6	1833.0	1830.9
5°	1794.6	1803.1	1805.2	1801.0	1820.2	1809.5	1835.1	1811.6	1822.4	1843.6	1843.6
7.5°	1786.1	1796.8	1801.0	1805.2	1822.4	1811.6	1841.5	1818.1	1833.0	1858.5	1856.4
10°	1767.0	1781.9	1790.4	1796.8	1813.8	1807.4	1839.4	1820.2	1833.0	1862.8	1860.6
12.5°	1756.4	1773.4	1786.1	1796.8	1816.0	1811.6	1843.6	1826.6	1843.6	1873.4	1873.4
15°	1747.9	1767.0	1781.9	1801.0	1820.2	1816.0	1850.0	1835.1	1852.1	1888.4	1886.2
17.5°	1726.5	1750.0	1764.9	1786.1	1805.2	1803.1	1839.4	1828.8	1847.9	1881.9	1884.1
20°	1690.4	1711.6	1728.6	1754.2	1775.5	1771.2	1809.5	1798.9	1818.1	1854.2	1856.4
22.5°	1643.5	1664.8	1681.9	1709.5	1728.6	1726.5	1764.9	1754.2	1773.4	1807.4	1809.5
25°	1588.1	1607.2	1624.4	1649.9	1671.1	1671.1	1705.2	1694.6	1715.9	1750.0	1750.0
27.5°	1520.0	1537.0	1552.0	1581.8	1598.8	1598.8	1630.8	1620.1	1641.4	1671.1	1669.0
30°	1437.0	1451.9	1464.6	1490.2	1505.1	1507.2	1534.9	1524.2	1545.6	1571.1	1571.1
32.5°	1337.0	1351.9	1360.4	1392.2	1402.9	1400.8	1422.1	1411.5	1432.8	1460.4	1454.0
35°	1230.5	1236.9	1243.2	1275.2	1279.5	1271.0	1292.2	1281.6	1296.5	1324.1	1319.9
37.5°	1109.1	1111.2	1111.2	1139.0	1141.1	1134.8	1147.5	1134.8	1145.4	1170.9	1168.8
40°	975.0	972.9	970.8	992.0	989.9	977.1	985.6	975.0	989.9	1009.1	998.5
42.5°	838.8	832.4	823.9	834.5	826.0	815.4	819.6	802.6	813.2	828.1	815.4
45°	704.6	691.9	674.9	677.0	666.4	653.6	647.1	630.1	628.0	642.9	632.2
47.5°	579.0	553.5	538.6	530.1	513.0	502.4	489.6	470.5	462.0	470.5	459.9
50°	466.2	440.6	421.5	402.4	385.4	372.5	351.2	338.5	325.8	327.9	319.4
52.5°	368.2	351.2	319.4	304.4	287.4	272.5	253.4	238.4	223.5	223.5	215.0
55°	291.6	268.2	247.0	225.6	208.6	195.9	176.8	161.8	146.9	144.8	136.2
57.5°	225.6	208.6	185.2	163.9	153.2	140.5	121.4	104.4	95.8	89.4	83.0
60°	174.6	157.5	138.4	121.4	108.6	100.0	80.9	68.1	59.6	55.4	49.0
62.5°	140.5	125.6	108.6	91.5	83.0	74.5	59.6	49.0	40.5	36.2	31.9
65°	112.9	100.0	87.2	74.5	68.1	59.6	49.0	40.5	34.0	29.8	25.5
67.5°	87.2	78.8	68.1	59.6	53.2	46.9	38.4	31.9	27.6	23.4	21.2
70°	66.0	59.6	53.2	44.8	40.5	36.2	29.8	23.4	21.2	19.1	17.0
72.5°	51.1	44.8	38.4	34.0	29.8	27.6	23.4	19.1	17.0	14.9	12.8
75°	34.0	31.9	27.6	23.4	21.2	19.1	17.0	14.9	12.8	10.6	10.6
77.5°	23.4	21.2	19.1	17.0	14.9	14.9	12.8	10.6	8.5	8.5	6.4
80°	14.9	12.8	12.8	10.6	10.6	10.6	8.5	6.4	6.4	6.4	4.2
82.5°	10.6	8.5	8.5	6.4	6.4	6.4	6.4	4.2	4.2	4.2	2.1
85°	6.4	4.2	4.2	4.2	4.2	4.2	4.2	2.1	2.1	2.1	2.1
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	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°	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8
2.5°	1813.8	1833.0	1833.0	1850.0	1852.1	1847.9	1828.8	1828.8	1854.2	1869.1	1843.6
5°	1830.9	1850.0	1850.0	1867.0	1875.5	1869.1	1850.0	1852.1	1877.6	1894.8	1869.1
7.5°	1845.8	1864.9	1869.1	1888.4	1894.8	1888.4	1869.1	1873.4	1901.1	1916.0	1890.5
10°	1852.1	1871.2	1873.4	1894.8	1903.2	1894.8	1879.8	1881.9	1911.8	1922.4	1899.0
12.5°	1867.0	1886.2	1886.2	1909.6	1918.1	1911.8	1892.6	1896.9	1926.6	1937.2	1913.9
15°	1881.9	1901.1	1901.1	1926.6	1937.2	1928.8	1913.9	1916.0	1945.8	1956.5	1937.2
17.5°	1881.9	1899.0	1899.0	1926.6	1937.2	1930.9	1913.9	1916.0	1947.9	1956.5	1937.2
20°	1854.2	1873.4	1869.1	1896.9	1907.5	1901.1	1886.2	1886.2	1918.1	1926.6	1907.5
22.5°	1809.5	1826.6	1822.4	1847.9	1860.6	1852.1	1839.4	1837.2	1869.1	1877.6	1858.5
25°	1747.9	1764.9	1760.6	1786.1	1798.9	1788.2	1773.4	1775.5	1801.0	1813.8	1796.8
27.5°	1675.4	1686.1	1679.8	1705.2	1718.0	1707.4	1692.5	1694.6	1720.1	1728.6	1715.9
30°	1577.5	1586.0	1579.6	1600.9	1609.5	1603.0	1590.2	1590.2	1613.8	1624.4	1611.6
32.5°	1460.4	1466.8	1460.4	1477.5	1494.5	1481.8	1468.9	1468.9	1494.5	1503.0	1488.1
35°	1324.1	1330.5	1326.2	1343.4	1356.1	1339.1	1328.4	1324.1	1358.2	1354.0	1345.5
37.5°	1173.0	1177.2	1164.5	1194.2	1200.8	1181.5	1173.0	1168.8	1198.6	1196.4	1187.9
40°	1002.8	1007.0	998.5	1019.8	1021.9	1007.0	1000.6	994.2	1024.0	1021.9	1015.5
42.5°	821.8	823.9	813.2	830.2	834.5	819.6	817.5	809.0	836.6	832.4	830.2
45°	634.4	634.4	625.9	638.6	642.9	630.1	625.9	623.8	642.9	642.9	638.6
47.5°	459.9	453.5	442.8	462.0	464.1	455.6	453.5	447.1	466.2	466.2	462.0
50°	315.1	313.0	310.9	315.1	317.2	306.5	313.0	306.5	317.2	317.2	317.2
52.5°	210.8	208.6	204.4	208.6	208.6	202.2	202.2	200.1	208.6	208.6	204.4
55°	132.0	129.9	127.8	129.9	129.9	123.5	127.8	123.5	127.8	127.8	125.6
57.5°	80.9	76.6	76.6	74.5	74.5	70.2	72.4	72.4	72.4	72.4	72.4
60°	46.9	44.8	42.6	42.6	42.6	40.5	40.5	40.5	40.5	40.5	40.5
62.5°	29.8	29.8	27.6	27.6	27.6	27.6	27.6	25.5	27.6	27.6	27.6
65°	25.5	23.4	23.4	23.4	23.4	21.2	21.2	21.2	21.2	21.2	21.2
67.5°	21.2	19.1	19.1	19.1	19.1	17.0	17.0	17.0	17.0	17.0	17.0
70°	17.0	14.9	14.9	14.9	14.9	14.9	12.8	14.9	14.9	12.8	12.8
72.5°	12.8	12.8	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
75°	8.5	8.5	8.5	8.5	8.5	6.4	6.4	6.4	6.4	6.4	6.4
77.5°	6.4	6.4	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
80°	4.2	4.2	4.2	4.2	4.2	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	2.1	2.1	2.1	2.1	2.1	0.0	2.1	0.0	2.1	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: P212817

CATALOG NUMBER: LE_6B30D010 EC6B30509035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8
2.5°	1873.4	1852.1	1841.5	1862.8	1871.2	1860.6	1852.1	1837.2	1852.1	1860.6	1871.2
5°	1899.0	1879.8	1871.2	1886.2	1899.0	1888.4	1881.9	1867.0	1881.9	1888.4	1899.0
7.5°	1922.4	1903.2	1892.6	1907.5	1922.4	1907.5	1901.1	1888.4	1901.1	1907.5	1922.4
10°	1930.9	1909.6	1901.1	1913.9	1928.8	1913.9	1905.4	1896.9	1905.4	1913.9	1928.8
12.5°	1945.8	1924.5	1913.9	1924.5	1939.4	1924.5	1916.0	1909.6	1916.0	1924.5	1939.4
15°	1967.1	1947.9	1935.1	1945.8	1965.0	1947.9	1937.2	1935.1	1937.2	1947.9	1965.0
17.5°	1967.1	1952.2	1939.4	1947.9	1967.1	1954.4	1939.4	1943.6	1939.4	1954.4	1967.1
20°	1939.4	1924.5	1913.9	1913.9	1941.5	1924.5	1911.8	1918.1	1911.8	1924.5	1941.5
22.5°	1890.5	1877.6	1867.0	1864.9	1892.6	1877.6	1860.6	1873.4	1860.6	1877.6	1892.6
25°	1826.6	1813.8	1805.2	1801.0	1828.8	1811.6	1796.8	1809.5	1796.8	1811.6	1828.8
27.5°	1743.5	1732.9	1724.4	1718.0	1743.5	1728.6	1713.8	1726.5	1713.8	1728.6	1743.5
30°	1637.1	1630.8	1622.2	1613.8	1639.2	1624.4	1609.5	1626.5	1609.5	1624.4	1639.2
32.5°	1513.6	1509.4	1498.8	1490.2	1515.8	1498.8	1488.1	1500.9	1488.1	1498.8	1515.8
35°	1371.0	1364.6	1358.2	1343.4	1371.0	1356.1	1356.1	1360.4	1356.1	1356.1	1371.0
37.5°	1211.4	1207.1	1198.6	1185.8	1209.2	1198.6	1194.2	1207.1	1194.2	1198.6	1209.2
40°	1032.5	1030.4	1024.0	1009.1	1034.6	1024.0	1017.6	1034.6	1017.6	1024.0	1034.6
42.5°	845.1	840.9	834.5	832.4	845.1	836.6	843.0	843.0	843.0	836.6	845.1
45°	651.5	647.1	642.9	634.4	649.2	645.0	642.9	647.1	642.9	645.0	649.2
47.5°	472.6	468.4	464.1	457.8	472.6	466.2	466.2	470.5	466.2	466.2	472.6
50°	317.2	319.4	317.2	313.0	317.2	315.1	317.2	321.5	317.2	315.1	317.2
52.5°	210.8	210.8	206.5	204.4	208.6	206.5	212.9	208.6	212.9	206.5	208.6
55°	127.8	129.9	127.8	125.6	127.8	125.6	132.0	129.9	132.0	125.6	127.8
57.5°	72.4	72.4	74.5	72.4	76.6	74.5	74.5	74.5	74.5	74.5	76.6
60°	40.5	40.5	40.5	40.5	40.5	40.5	42.6	40.5	42.6	40.5	40.5
62.5°	27.6	27.6	27.6	25.5	27.6	25.5	27.6	27.6	27.6	25.5	27.6
65°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
67.5°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
70°	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
72.5°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
75°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
77.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
80°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	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: P212817

CATALOG NUMBER: LE_6B30D010 EC6B30509035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8
2.5°	1862.8	1841.5	1852.1	1873.4	1843.6	1869.1	1854.2	1828.8	1828.8	1847.9	1852.1
5°	1886.2	1871.2	1879.8	1899.0	1869.1	1894.8	1877.6	1852.1	1850.0	1869.1	1875.5
7.5°	1907.5	1892.6	1903.2	1922.4	1890.5	1916.0	1901.1	1873.4	1869.1	1888.4	1894.8
10°	1913.9	1901.1	1909.6	1930.9	1899.0	1922.4	1911.8	1881.9	1879.8	1894.8	1903.2
12.5°	1924.5	1913.9	1924.5	1945.8	1913.9	1937.2	1926.6	1896.9	1892.6	1911.8	1918.1
15°	1945.8	1935.1	1947.9	1967.1	1937.2	1956.5	1945.8	1916.0	1913.9	1928.8	1937.2
17.5°	1947.9	1939.4	1952.2	1967.1	1937.2	1956.5	1947.9	1916.0	1913.9	1930.9	1937.2
20°	1913.9	1913.9	1924.5	1939.4	1907.5	1926.6	1918.1	1886.2	1886.2	1901.1	1907.5
22.5°	1864.9	1867.0	1877.6	1890.5	1858.5	1877.6	1869.1	1837.2	1839.4	1852.1	1860.6
25°	1801.0	1805.2	1813.8	1826.6	1796.8	1813.8	1801.0	1775.5	1773.4	1788.2	1798.9
27.5°	1718.0	1724.4	1732.9	1743.5	1715.9	1728.6	1720.1	1694.6	1692.5	1707.4	1718.0
30°	1613.8	1622.2	1630.8	1637.1	1611.6	1624.4	1613.8	1590.2	1590.2	1603.0	1609.5
32.5°	1490.2	1498.8	1509.4	1513.6	1488.1	1503.0	1494.5	1468.9	1468.9	1481.8	1494.5
35°	1343.4	1358.2	1364.6	1371.0	1345.5	1354.0	1358.2	1324.1	1328.4	1339.1	1356.1
37.5°	1185.8	1198.6	1207.1	1211.4	1187.9	1196.4	1198.6	1168.8	1173.0	1181.5	1200.8
40°	1009.1	1024.0	1030.4	1032.5	1015.5	1021.9	1024.0	994.2	1000.6	1007.0	1021.9
42.5°	832.4	834.5	840.9	845.1	830.2	832.4	836.6	809.0	817.5	819.6	834.5
45°	634.4	642.9	647.1	651.5	638.6	642.9	642.9	623.8	625.9	630.1	642.9
47.5°	457.8	464.1	468.4	472.6	462.0	466.2	466.2	447.1	453.5	455.6	464.1
50°	313.0	317.2	319.4	317.2	317.2	317.2	317.2	306.5	313.0	306.5	317.2
52.5°	204.4	206.5	210.8	210.8	204.4	208.6	208.6	200.1	202.2	202.2	208.6
55°	125.6	127.8	129.9	127.8	125.6	127.8	127.8	123.5	127.8	123.5	129.9
57.5°	72.4	74.5	72.4	72.4	72.4	72.4	72.4	72.4	72.4	70.2	74.5
60°	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	42.6
62.5°	25.5	27.6	27.6	27.6	27.6	27.6	27.6	25.5	27.6	27.6	27.6
65°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	23.4
67.5°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	19.1
70°	12.8	12.8	12.8	12.8	12.8	12.8	14.9	14.9	12.8	14.9	14.9
72.5°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
75°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	8.5
77.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
80°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.2
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	2.1	0.0	2.1
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: P212817

CATALOG NUMBER: LE_6B30D010 EC6B30509035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8
2.5°	1850.0	1833.0	1833.0	1813.8	1830.9	1833.0	1811.6	1805.2	1828.8	1803.1	1816.0
5°	1867.0	1850.0	1850.0	1830.9	1843.6	1843.6	1822.4	1811.6	1835.1	1809.5	1820.2
7.5°	1888.4	1869.1	1864.9	1845.8	1856.4	1858.5	1833.0	1818.1	1841.5	1811.6	1822.4
10°	1894.8	1873.4	1871.2	1852.1	1860.6	1862.8	1833.0	1820.2	1839.4	1807.4	1813.8
12.5°	1909.6	1886.2	1886.2	1867.0	1873.4	1873.4	1843.6	1826.6	1843.6	1811.6	1816.0
15°	1926.6	1901.1	1901.1	1881.9	1886.2	1888.4	1852.1	1835.1	1850.0	1816.0	1820.2
17.5°	1926.6	1899.0	1899.0	1881.9	1884.1	1881.9	1847.9	1828.8	1839.4	1803.1	1805.2
20°	1896.9	1869.1	1873.4	1854.2	1856.4	1854.2	1818.1	1798.9	1809.5	1771.2	1775.5
22.5°	1847.9	1822.4	1826.6	1809.5	1809.5	1807.4	1773.4	1754.2	1764.9	1726.5	1728.6
25°	1786.1	1760.6	1764.9	1747.9	1750.0	1750.0	1715.9	1694.6	1705.2	1671.1	1671.1
27.5°	1705.2	1679.8	1686.1	1675.4	1669.0	1671.1	1641.4	1620.1	1630.8	1598.8	1598.8
30°	1600.9	1579.6	1586.0	1577.5	1571.1	1571.1	1545.6	1524.2	1534.9	1507.2	1505.1
32.5°	1477.5	1460.4	1466.8	1460.4	1454.0	1460.4	1432.8	1411.5	1422.1	1400.8	1402.9
35°	1343.4	1326.2	1330.5	1324.1	1319.9	1324.1	1296.5	1281.6	1292.2	1271.0	1279.5
37.5°	1194.2	1164.5	1177.2	1173.0	1168.8	1170.9	1145.4	1134.8	1147.5	1134.8	1141.1
40°	1019.8	998.5	1007.0	1002.8	998.5	1009.1	989.9	975.0	985.6	977.1	989.9
42.5°	830.2	813.2	823.9	821.8	815.4	828.1	813.2	802.6	819.6	815.4	826.0
45°	638.6	625.9	634.4	634.4	632.2	642.9	628.0	630.1	647.1	653.6	666.4
47.5°	462.0	442.8	453.5	459.9	459.9	470.5	462.0	470.5	489.6	502.4	513.0
50°	315.1	310.9	313.0	315.1	319.4	327.9	325.8	338.5	351.2	372.5	385.4
52.5°	208.6	204.4	208.6	210.8	215.0	223.5	223.5	238.4	253.4	272.5	287.4
55°	129.9	127.8	129.9	132.0	136.2	144.8	146.9	161.8	176.8	195.9	208.6
57.5°	74.5	76.6	76.6	80.9	83.0	89.4	95.8	104.4	121.4	140.5	153.2
60°	42.6	42.6	44.8	46.9	49.0	55.4	59.6	68.1	80.9	100.0	108.6
62.5°	27.6	27.6	29.8	29.8	31.9	36.2	40.5	49.0	59.6	74.5	83.0
65°	23.4	23.4	23.4	25.5	25.5	29.8	34.0	40.5	49.0	59.6	68.1
67.5°	19.1	19.1	19.1	21.2	21.2	23.4	27.6	31.9	38.4	46.9	53.2
70°	14.9	14.9	14.9	17.0	17.0	19.1	21.2	23.4	29.8	36.2	40.5
72.5°	10.6	10.6	12.8	12.8	12.8	14.9	17.0	19.1	23.4	27.6	29.8
75°	8.5	8.5	8.5	8.5	10.6	10.6	12.8	14.9	17.0	19.1	21.2
77.5°	4.2	4.2	6.4	6.4	6.4	8.5	8.5	10.6	12.8	14.9	14.9
80°	4.2	4.2	4.2	4.2	4.2	6.4	6.4	6.4	8.5	10.6	10.6
82.5°	2.1	2.1	2.1	2.1	2.1	4.2	4.2	4.2	6.4	6.4	6.4
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.2	4.2	4.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1
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: P212817

CATALOG NUMBER: LE_6B30D010 EC6B30509035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8	1828.8
2.5°	1801.0	1807.4	1807.4	1801.0	1784.0	1798.9	1813.8	1798.9	1818.1	1784.0	1784.0
5°	1801.0	1805.2	1803.1	1794.6	1777.6	1790.4	1801.0	1786.1	1801.0	1769.1	1767.0
7.5°	1805.2	1801.0	1796.8	1786.1	1764.9	1773.4	1784.0	1767.0	1781.9	1747.9	1743.5
10°	1796.8	1790.4	1781.9	1767.0	1743.5	1750.0	1756.4	1741.4	1752.1	1718.0	1715.9
12.5°	1796.8	1786.1	1773.4	1756.4	1730.8	1735.0	1741.4	1722.2	1730.8	1698.9	1694.6
15°	1801.0	1781.9	1767.0	1747.9	1720.1	1722.2	1726.5	1705.2	1713.8	1679.8	1677.6
17.5°	1786.1	1764.9	1750.0	1726.5	1696.8	1698.9	1698.9	1677.6	1684.0	1649.9	1647.8
20°	1754.2	1728.6	1711.6	1690.4	1658.4	1658.4	1658.4	1637.1	1641.4	1611.6	1607.2
22.5°	1709.5	1681.9	1664.8	1643.5	1613.8	1611.6	1609.5	1592.4	1592.4	1564.8	1558.4
25°	1649.9	1624.4	1607.2	1588.1	1558.4	1554.1	1554.1	1539.1	1537.0	1511.5	1507.2
27.5°	1581.8	1552.0	1537.0	1520.0	1492.4	1488.1	1486.0	1477.5	1473.2	1445.5	1443.4
30°	1490.2	1464.6	1451.9	1437.0	1411.5	1407.2	1405.1	1396.5	1394.4	1366.8	1366.8
32.5°	1392.2	1360.4	1351.9	1337.0	1317.8	1315.6	1317.8	1307.1	1298.6	1279.5	1275.2
35°	1275.2	1243.2	1236.9	1230.5	1215.6	1211.4	1209.2	1207.1	1196.4	1183.6	1177.2
37.5°	1139.0	1111.2	1111.2	1109.1	1098.5	1098.5	1098.5	1094.2	1083.6	1079.4	1066.6
40°	992.0	970.8	972.9	975.0	970.8	972.9	975.0	970.8	962.2	958.0	947.4
42.5°	834.5	823.9	832.4	838.8	838.8	845.1	849.4	849.4	838.8	836.6	828.1
45°	677.0	674.9	691.9	704.6	708.9	719.6	726.0	721.8	721.8	721.8	713.1
47.5°	530.1	538.6	553.5	579.0	587.6	600.4	604.6	611.0	608.9	611.0	604.6
50°	402.4	421.5	440.6	466.2	479.0	493.9	500.2	508.8	508.8	510.9	506.6
52.5°	304.4	319.4	351.2	368.2	383.2	398.1	406.6	415.1	417.2	417.2	413.0
55°	225.6	247.0	268.2	291.6	304.4	319.4	325.8	334.2	334.2	338.5	334.2
57.5°	163.9	185.2	208.6	225.6	240.6	251.2	257.6	264.0	268.2	268.2	266.1
60°	121.4	138.4	157.5	174.6	187.4	198.0	202.2	208.6	210.8	210.8	206.5
62.5°	91.5	108.6	125.6	140.5	149.0	157.5	161.8	166.0	166.0	166.0	163.9
65°	74.5	87.2	100.0	112.9	121.4	127.8	129.9	134.1	132.0	134.1	132.0
67.5°	59.6	68.1	78.8	87.2	93.6	97.9	100.0	104.4	102.1	104.4	102.1
70°	44.8	53.2	59.6	66.0	70.2	74.5	76.6	78.8	76.6	78.8	76.6
72.5°	34.0	38.4	44.8	51.1	53.2	55.4	57.5	57.5	57.5	59.6	57.5
75°	23.4	27.6	31.9	34.0	38.4	40.5	40.5	42.6	42.6	42.6	42.6
77.5°	17.0	19.1	21.2	23.4	25.5	27.6	27.6	29.8	29.8	29.8	29.8
80°	10.6	12.8	12.8	14.9	17.0	17.0	19.1	19.1	19.1	19.1	19.1
82.5°	6.4	8.5	8.5	10.6	10.6	10.6	12.8	12.8	12.8	12.8	12.8
85°	4.2	4.2	4.2	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.2	4.2	2.1	2.1
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: P212817

CATALOG NUMBER: LE_6B30D010 EC6B30509035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1828.8	1828.8	1828.8	1828.8
2.5°	1801.0	1790.4	1807.4	1781.9
5°	1781.9	1771.2	1792.5	1760.6
7.5°	1758.5	1747.9	1767.0	1735.0
10°	1728.6	1718.0	1735.0	1701.0
12.5°	1703.1	1692.5	1711.6	1679.8
15°	1684.0	1673.2	1690.4	1660.5
17.5°	1654.1	1641.4	1660.5	1628.6
20°	1611.6	1603.0	1618.0	1586.0
22.5°	1562.6	1554.1	1571.1	1539.1
25°	1511.5	1500.9	1517.9	1486.0
27.5°	1445.5	1437.0	1454.0	1422.1
30°	1366.8	1358.2	1375.2	1345.5
32.5°	1277.4	1268.9	1281.6	1256.0
35°	1175.1	1168.8	1181.5	1153.9
37.5°	1064.5	1058.0	1070.9	1043.1
40°	945.2	938.9	949.5	936.8
42.5°	828.1	821.8	832.4	821.8
45°	713.1	708.9	719.6	708.9
47.5°	606.8	602.5	613.1	602.5
50°	504.5	506.6	510.9	506.6
52.5°	413.0	413.0	419.4	413.0
55°	334.2	336.4	338.5	334.2
57.5°	266.1	266.1	268.2	266.1
60°	206.5	208.6	208.6	206.5
62.5°	163.9	163.9	163.9	163.9
65°	129.9	129.9	132.0	129.9
67.5°	102.1	100.0	102.1	100.0
70°	76.6	76.6	76.6	76.6
72.5°	59.6	59.6	57.5	57.5
75°	42.6	44.8	42.6	42.6
77.5°	29.8	29.8	29.8	29.8
80°	19.1	19.1	19.1	19.1
82.5°	12.8	12.8	12.8	12.8
85°	8.5	6.4	6.4	6.4
87.5°	4.2	2.1	2.1	2.1
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)