

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: P212811

Luminaire Tested: **LE_6B30D010 EC6B30508035 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212811
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 EC6B30508035 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3616.9 lumens
Efficiency: N/A
Efficacy: 129.2 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

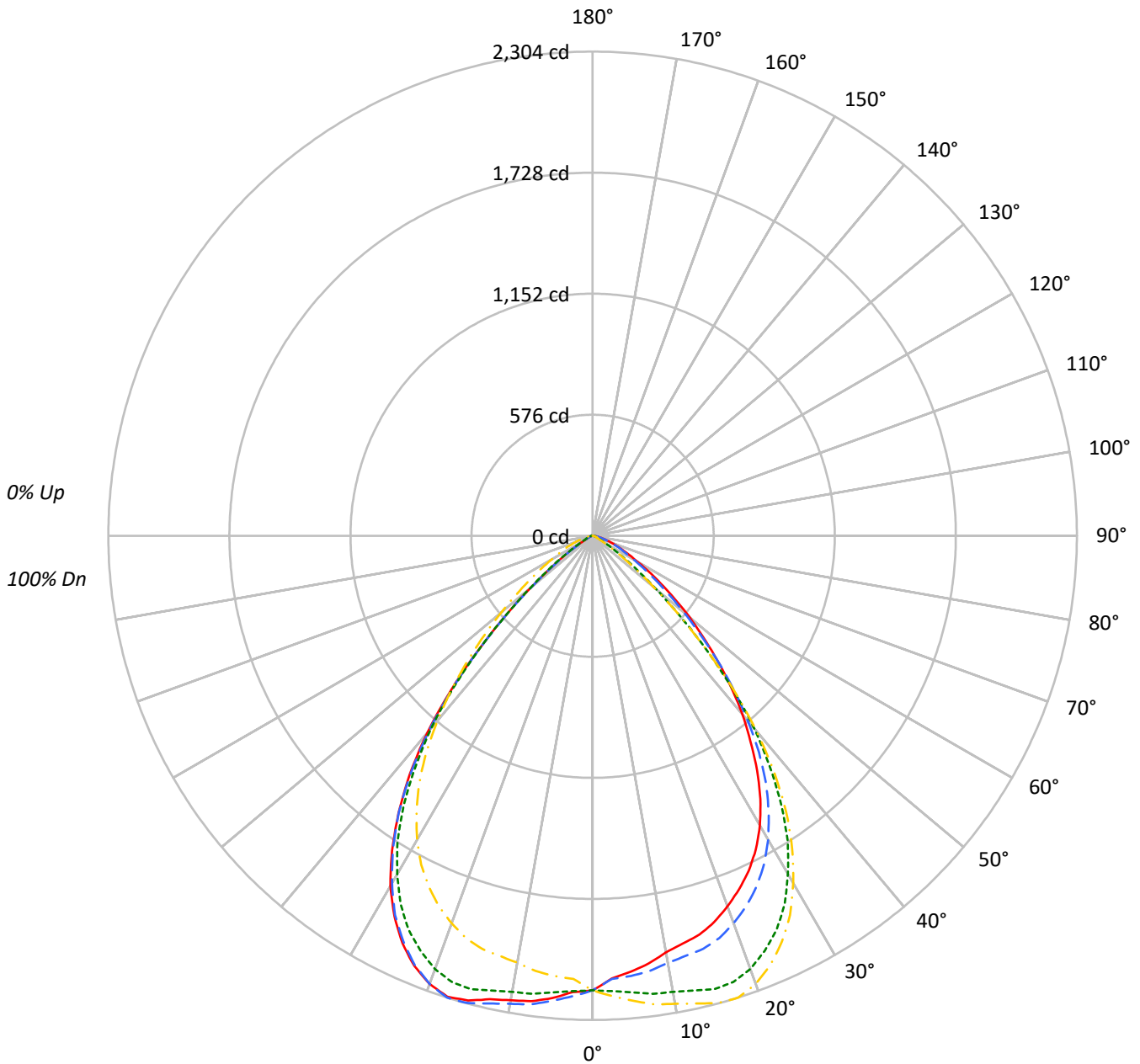
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	99	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	71	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°	118598	118598	118598	118598
5°	114616	120019	121538	120019
10°	112011	122665	124909	122665
15°	111488	126783	129921	126783
20°	109455	127965	132376	127965
25°	106331	125215	129479	125215
30°	100750	117651	121797	117651
35°	91350	104835	107693	104835
40°	79299	85431	87593	85431
45°	65015	58967	59355	58967
50°	51120	33082	32425	33082
55°	37791	16363	14680	16363
60°	26774	7181	5252	7181
65°	19924	4566	3256	4566
70°	14522	3622	2420	3622
75°	10675	2669	1589	2669
80°	7135	2368	789	2368
85°	4717	1572	1572	1572



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.1	5.7
10°-20°	613.4	17.0
20°-30°	915.3	25.3
30°-40°	940.4	26.0
40°-50°	609.0	16.8
50°-60°	226.5	6.3
60°-70°	74.3	2.1
70°-80°	26.2	0.7
80°-90°	4.7	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°	1735.8	48.0
0°-40°	2676.3	74.0
0°-60°	3511.7	97.1
0°-90°	3616.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3616.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2163	2163	2163	2163	2163	
5°	2083	2181	2209	2181	2083	197
15°	1964	2234	2289	2234	1964	552
25°	1758	2070	2141	2070	1758	806
35°	1365	1566	1609	1566	1365	848
45°	839	761	766	761	839	648
55°	395	171	154	171	395	360
65°	154	35	25	35	154	156
75°	50	13	8	13	50	55
85°	8	2	2	2	8	10
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°	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4
2.5°	2107.9	2138.1	2118.0	2130.6	2110.5	2110.5	2150.8	2128.1	2145.8	2128.1	2110.5
5°	2082.8	2120.5	2095.4	2107.9	2090.2	2092.9	2130.6	2113.0	2130.6	2118.0	2102.9
7.5°	2052.5	2090.2	2067.6	2080.2	2062.6	2067.6	2107.9	2090.2	2110.5	2097.9	2087.8
10°	2012.2	2052.5	2032.4	2045.0	2029.9	2032.4	2072.6	2060.1	2077.8	2070.1	2062.6
12.5°	1987.0	2024.9	2002.1	2014.8	2004.6	2009.8	2047.5	2037.4	2060.1	2052.5	2047.5
15°	1964.4	1999.6	1979.5	1992.1	1984.5	1987.0	2027.4	2017.2	2042.5	2037.4	2034.9
17.5°	1926.6	1964.4	1941.8	1956.9	1949.2	1951.8	1992.1	1984.5	2009.8	2009.8	2007.2
20°	1876.2	1914.0	1896.4	1906.5	1901.4	1906.5	1941.8	1936.6	1961.9	1961.9	1961.9
22.5°	1820.9	1858.6	1838.5	1848.5	1843.5	1851.0	1883.8	1883.8	1903.9	1906.5	1909.0
25°	1757.9	1795.6	1775.5	1788.1	1783.0	1788.1	1818.2	1820.9	1838.5	1838.5	1843.5
27.5°	1682.2	1720.1	1700.0	1710.0	1707.5	1710.0	1742.8	1747.8	1757.9	1760.4	1765.4
30°	1591.6	1626.9	1606.8	1616.9	1616.9	1616.9	1649.6	1652.1	1662.1	1664.6	1669.8
32.5°	1485.9	1516.1	1501.0	1511.0	1508.5	1513.6	1536.2	1546.4	1558.9	1556.4	1558.9
35°	1365.0	1397.8	1382.6	1390.1	1392.8	1400.2	1415.4	1428.0	1430.5	1433.0	1438.0
37.5°	1234.0	1266.8	1251.6	1259.2	1261.8	1276.9	1281.9	1294.5	1299.5	1299.5	1299.5
40°	1108.1	1123.2	1110.6	1118.1	1120.8	1133.2	1138.4	1148.4	1153.5	1150.9	1148.4
42.5°	972.1	984.8	972.1	979.6	979.6	989.8	992.2	1004.9	1004.9	999.9	992.2
45°	838.6	851.2	838.6	843.6	843.6	853.8	853.8	853.8	858.8	851.2	838.6
47.5°	712.8	725.2	712.8	717.8	715.2	722.8	720.2	722.8	715.2	710.2	695.1
50°	599.4	604.4	599.4	596.9	599.4	604.4	601.9	601.9	591.9	584.2	566.6
52.5°	488.6	496.1	488.6	488.6	488.6	493.6	493.6	491.1	481.0	471.0	453.4
55°	395.4	400.4	397.9	395.4	395.4	400.4	395.4	395.4	385.4	377.8	360.1
57.5°	314.8	317.4	314.8	314.8	314.8	317.4	317.4	312.2	304.8	297.1	284.6
60°	244.2	246.8	246.8	244.2	244.2	249.4	249.4	246.8	239.2	234.2	221.6
62.5°	193.9	193.9	193.9	193.9	193.9	196.5	196.5	196.5	191.4	186.4	176.2
65°	153.6	156.1	153.6	153.6	156.1	158.6	156.1	158.6	153.6	151.1	143.5
67.5°	118.4	120.9	118.4	120.9	120.9	123.4	120.9	123.4	118.4	115.9	110.8
70°	90.6	90.6	90.6	90.6	90.6	93.1	90.6	93.1	90.6	88.1	83.1
72.5°	68.0	68.0	70.5	70.5	68.0	70.5	68.0	68.0	68.0	65.5	63.0
75°	50.4	50.4	52.9	50.4	50.4	50.4	50.4	50.4	47.9	47.9	45.4
77.5°	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	32.8	32.8	30.2
80°	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	20.1	20.1
82.5°	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	12.6	12.6
85°	7.5	7.5	7.5	10.1	7.5	7.5	7.5	7.5	7.5	7.5	7.5
87.5°	2.5	2.5	2.5	5.0	2.5	2.5	5.0	5.0	2.5	2.5	2.5
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°	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4
2.5°	2130.6	2138.1	2138.1	2130.6	2148.2	2133.1	2163.4	2135.6	2143.1	2168.4	2165.9
5°	2123.0	2133.1	2135.6	2130.6	2153.2	2140.6	2170.9	2143.1	2155.8	2181.0	2181.0
7.5°	2113.0	2125.5	2130.6	2135.6	2155.8	2143.1	2178.5	2150.8	2168.4	2198.6	2196.1
10°	2090.2	2107.9	2118.0	2125.5	2145.8	2138.1	2175.9	2153.2	2168.4	2203.6	2201.1
12.5°	2077.8	2097.9	2113.0	2125.5	2148.2	2143.1	2181.0	2160.9	2181.0	2216.2	2216.2
15°	2067.6	2090.2	2107.9	2130.6	2153.2	2148.2	2188.5	2170.9	2191.0	2233.9	2231.4
17.5°	2042.5	2070.1	2087.8	2113.0	2135.6	2133.1	2175.9	2163.4	2186.0	2226.2	2228.8
20°	1999.6	2024.9	2045.0	2075.1	2100.4	2095.4	2140.6	2128.1	2150.8	2193.5	2196.1
22.5°	1944.2	1969.4	1989.5	2022.2	2045.0	2042.5	2087.8	2075.1	2097.9	2138.1	2140.6
25°	1878.8	1901.4	1921.6	1951.8	1977.0	1977.0	2017.2	2004.6	2029.9	2070.1	2070.1
27.5°	1798.1	1818.2	1835.9	1871.2	1891.4	1891.4	1929.1	1916.5	1941.8	1977.0	1974.5
30°	1700.0	1717.6	1732.6	1762.9	1780.5	1783.0	1815.8	1803.2	1828.4	1858.6	1858.6
32.5°	1581.6	1599.2	1609.2	1647.0	1659.6	1657.1	1682.2	1669.8	1694.9	1727.6	1720.1
35°	1455.6	1463.2	1470.8	1508.5	1513.6	1503.5	1528.8	1516.1	1533.8	1566.5	1561.4
37.5°	1312.1	1314.6	1314.6	1347.4	1349.9	1342.4	1357.4	1342.4	1354.9	1385.1	1382.6
40°	1153.5	1150.9	1148.4	1173.6	1171.1	1156.0	1166.0	1153.5	1171.1	1193.8	1181.1
42.5°	992.2	984.8	974.6	987.2	977.1	964.5	969.6	949.5	962.0	979.6	964.5
45°	833.6	818.5	798.4	800.9	788.2	773.1	765.6	745.5	742.9	760.6	748.0
47.5°	685.0	654.8	637.1	627.1	607.0	594.4	579.2	556.6	546.5	556.6	544.0
50°	551.5	521.4	498.6	476.0	455.9	440.8	415.5	400.4	385.4	387.9	377.8
52.5°	435.8	415.5	377.8	360.1	340.0	322.4	299.8	282.1	264.4	264.4	254.4
55°	345.0	317.4	292.1	267.0	246.8	231.8	209.0	191.4	173.8	171.2	161.1
57.5°	267.0	246.8	219.1	193.9	181.4	166.2	143.5	123.4	113.4	105.8	98.2
60°	206.5	186.4	163.8	143.5	128.5	118.4	95.8	80.6	70.5	65.5	57.9
62.5°	166.2	148.6	128.5	108.2	98.2	88.1	70.5	57.9	47.9	42.9	37.8
65°	133.5	118.4	103.2	88.1	80.6	70.5	57.9	47.9	40.2	35.2	30.2
67.5°	103.2	93.1	80.6	70.5	63.0	55.4	45.4	37.8	32.8	27.8	25.1
70°	78.1	70.5	63.0	52.9	47.9	42.9	35.2	27.8	25.1	22.6	20.1
72.5°	60.5	52.9	45.4	40.2	35.2	32.8	27.8	22.6	20.1	17.6	15.1
75°	40.2	37.8	32.8	27.8	25.1	22.6	20.1	17.6	15.1	12.6	12.6
77.5°	27.8	25.1	22.6	20.1	17.6	17.6	15.1	12.6	10.1	10.1	7.5
80°	17.6	15.1	15.1	12.6	12.6	12.6	10.1	7.5	7.5	7.5	5.0
82.5°	12.6	10.1	10.1	7.5	7.5	7.5	7.5	5.0	5.0	5.0	2.5
85°	7.5	5.0	5.0	5.0	5.0	5.0	5.0	2.5	2.5	2.5	2.5
87.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	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°	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4
2.5°	2145.8	2168.4	2168.4	2188.5	2191.0	2186.0	2163.4	2163.4	2193.5	2211.1	2181.0
5°	2165.9	2188.5	2188.5	2208.6	2218.8	2211.1	2188.5	2191.0	2221.2	2241.4	2211.1
7.5°	2183.5	2206.1	2211.1	2233.9	2241.4	2233.9	2211.1	2216.2	2249.0	2266.6	2236.4
10°	2191.0	2213.8	2216.2	2241.4	2251.5	2241.4	2223.8	2226.2	2261.5	2274.1	2246.5
12.5°	2208.6	2231.4	2231.4	2259.0	2269.1	2261.5	2238.9	2243.9	2279.1	2291.8	2264.1
15°	2226.2	2249.0	2249.0	2279.1	2291.8	2281.8	2264.1	2266.6	2301.9	2314.5	2291.8
17.5°	2226.2	2246.5	2246.5	2279.1	2291.8	2284.2	2264.1	2266.6	2304.4	2314.5	2291.8
20°	2193.5	2216.2	2211.1	2243.9	2256.5	2249.0	2231.4	2231.4	2269.1	2279.1	2256.5
22.5°	2140.6	2160.9	2155.8	2186.0	2201.1	2191.0	2175.9	2173.4	2211.1	2221.2	2198.6
25°	2067.6	2087.8	2082.8	2113.0	2128.1	2115.5	2097.9	2100.4	2130.6	2145.8	2125.5
27.5°	1982.0	1994.6	1987.0	2017.2	2032.4	2019.8	2002.1	2004.6	2034.9	2045.0	2029.9
30°	1866.1	1876.2	1868.6	1893.9	1903.9	1896.4	1881.2	1881.2	1909.0	1921.6	1906.5
32.5°	1727.6	1735.2	1727.6	1747.8	1768.0	1752.9	1737.8	1737.8	1768.0	1778.0	1760.4
35°	1566.5	1574.0	1569.0	1589.1	1604.2	1584.1	1571.5	1566.5	1606.8	1601.8	1591.6
37.5°	1387.6	1392.8	1377.6	1412.9	1420.4	1397.8	1387.6	1382.6	1417.9	1415.4	1405.2
40°	1186.1	1191.2	1181.1	1206.4	1208.9	1191.2	1183.6	1176.1	1211.4	1208.9	1201.2
42.5°	972.1	974.6	962.0	982.2	987.2	969.6	967.1	957.0	989.8	984.8	982.2
45°	750.5	750.5	740.4	755.5	760.6	745.5	740.4	737.9	760.6	760.6	755.5
47.5°	544.0	536.4	523.9	546.5	549.0	539.0	536.4	528.9	551.5	551.5	546.5
50°	372.8	370.2	367.8	372.8	375.2	362.6	370.2	362.6	375.2	375.2	375.2
52.5°	249.4	246.8	241.8	246.8	246.8	239.2	239.2	236.8	246.8	246.8	241.8
55°	156.1	153.6	151.1	153.6	153.6	146.1	151.1	146.1	151.1	151.1	148.6
57.5°	95.8	90.6	90.6	88.1	88.1	83.1	85.6	85.6	85.6	85.6	85.6
60°	55.4	52.9	50.4	50.4	50.4	47.9	47.9	47.9	47.9	47.9	47.9
62.5°	35.2	35.2	32.8	32.8	32.8	32.8	32.8	30.2	32.8	32.8	32.8
65°	30.2	27.8	27.8	27.8	27.8	25.1	25.1	25.1	25.1	25.1	25.1
67.5°	25.1	22.6	22.6	22.6	22.6	20.1	20.1	20.1	20.1	20.1	20.1
70°	20.1	17.6	17.6	17.6	17.6	17.6	15.1	17.6	17.6	15.1	15.1
72.5°	15.1	15.1	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
75°	10.1	10.1	10.1	10.1	10.1	7.5	7.5	7.5	7.5	7.5	7.5
77.5°	7.5	7.5	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
80°	5.0	5.0	5.0	5.0	5.0	2.5	2.5	2.5	2.5	2.5	2.5
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
85°	2.5	2.5	2.5	2.5	2.5	0.0	2.5	0.0	2.5	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: P212811

CATALOG NUMBER: LE_6B30D010 EC6B30508035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4
2.5°	2216.2	2191.0	2178.5	2203.6	2213.8	2201.1	2191.0	2173.4	2191.0	2201.1	2213.8
5°	2246.5	2223.8	2213.8	2231.4	2246.5	2233.9	2226.2	2208.6	2226.2	2233.9	2246.5
7.5°	2274.1	2251.5	2238.9	2256.5	2274.1	2256.5	2249.0	2233.9	2249.0	2256.5	2274.1
10°	2284.2	2259.0	2249.0	2264.1	2281.8	2264.1	2254.0	2243.9	2254.0	2264.1	2281.8
12.5°	2301.9	2276.6	2264.1	2276.6	2294.2	2276.6	2266.6	2259.0	2266.6	2276.6	2294.2
15°	2327.0	2304.4	2289.2	2301.9	2324.5	2304.4	2291.8	2289.2	2291.8	2304.4	2324.5
17.5°	2327.0	2309.4	2294.2	2304.4	2327.0	2311.9	2294.2	2299.4	2294.2	2311.9	2327.0
20°	2294.2	2276.6	2264.1	2264.1	2296.8	2276.6	2261.5	2269.1	2261.5	2276.6	2296.8
22.5°	2236.4	2221.2	2208.6	2206.1	2238.9	2221.2	2201.1	2216.2	2201.1	2221.2	2238.9
25°	2160.9	2145.8	2135.6	2130.6	2163.4	2143.1	2125.5	2140.6	2125.5	2143.1	2163.4
27.5°	2062.6	2050.0	2039.9	2032.4	2062.6	2045.0	2027.4	2042.5	2027.4	2045.0	2062.6
30°	1936.6	1929.1	1919.0	1909.0	1939.2	1921.6	1903.9	1924.1	1903.9	1921.6	1939.2
32.5°	1790.6	1785.6	1773.0	1762.9	1793.1	1773.0	1760.4	1775.5	1760.4	1773.0	1793.1
35°	1621.9	1614.4	1606.8	1589.1	1621.9	1604.2	1604.2	1609.2	1604.2	1604.2	1621.9
37.5°	1433.0	1428.0	1417.9	1402.8	1430.5	1417.9	1412.9	1428.0	1412.9	1417.9	1430.5
40°	1221.5	1218.9	1211.4	1193.8	1224.0	1211.4	1203.8	1224.0	1203.8	1211.4	1224.0
42.5°	999.9	994.8	987.2	984.8	999.9	989.8	997.2	997.2	997.2	989.8	999.9
45°	770.6	765.6	760.6	750.5	768.1	763.1	760.6	765.6	760.6	763.1	768.1
47.5°	559.1	554.0	549.0	541.5	559.1	551.5	551.5	556.6	551.5	551.5	559.1
50°	375.2	377.8	375.2	370.2	375.2	372.8	375.2	380.2	375.2	372.8	375.2
52.5°	249.4	249.4	244.2	241.8	246.8	244.2	251.9	246.8	251.9	244.2	246.8
55°	151.1	153.6	151.1	148.6	151.1	148.6	156.1	153.6	156.1	148.6	151.1
57.5°	85.6	85.6	88.1	85.6	90.6	88.1	88.1	88.1	88.1	88.1	90.6
60°	47.9	47.9	47.9	47.9	47.9	47.9	50.4	47.9	50.4	47.9	47.9
62.5°	32.8	32.8	32.8	30.2	32.8	30.2	32.8	32.8	32.8	30.2	32.8
65°	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1
67.5°	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
70°	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
72.5°	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
75°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
77.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
80°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	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: P212811

CATALOG NUMBER: LE_6B30D010 EC6B30508035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4
2.5°	2203.6	2178.5	2191.0	2216.2	2181.0	2211.1	2193.5	2163.4	2163.4	2186.0	2191.0
5°	2231.4	2213.8	2223.8	2246.5	2211.1	2241.4	2221.2	2191.0	2188.5	2211.1	2218.8
7.5°	2256.5	2238.9	2251.5	2274.1	2236.4	2266.6	2249.0	2216.2	2211.1	2233.9	2241.4
10°	2264.1	2249.0	2259.0	2284.2	2246.5	2274.1	2261.5	2226.2	2223.8	2241.4	2251.5
12.5°	2276.6	2264.1	2276.6	2301.9	2264.1	2291.8	2279.1	2243.9	2238.9	2261.5	2269.1
15°	2301.9	2289.2	2304.4	2327.0	2291.8	2314.5	2301.9	2266.6	2264.1	2281.8	2291.8
17.5°	2304.4	2294.2	2309.4	2327.0	2291.8	2314.5	2304.4	2266.6	2264.1	2284.2	2291.8
20°	2264.1	2264.1	2276.6	2294.2	2256.5	2279.1	2269.1	2231.4	2231.4	2249.0	2256.5
22.5°	2206.1	2208.6	2221.2	2236.4	2198.6	2221.2	2211.1	2173.4	2175.9	2191.0	2201.1
25°	2130.6	2135.6	2145.8	2160.9	2125.5	2145.8	2130.6	2100.4	2097.9	2115.5	2128.1
27.5°	2032.4	2039.9	2050.0	2062.6	2029.9	2045.0	2034.9	2004.6	2002.1	2019.8	2032.4
30°	1909.0	1919.0	1929.1	1936.6	1906.5	1921.6	1909.0	1881.2	1881.2	1896.4	1903.9
32.5°	1762.9	1773.0	1785.6	1790.6	1760.4	1778.0	1768.0	1737.8	1737.8	1752.9	1768.0
35°	1589.1	1606.8	1614.4	1621.9	1591.6	1601.8	1606.8	1566.5	1571.5	1584.1	1604.2
37.5°	1402.8	1417.9	1428.0	1433.0	1405.2	1415.4	1417.9	1382.6	1387.6	1397.8	1420.4
40°	1193.8	1211.4	1218.9	1221.5	1201.2	1208.9	1211.4	1176.1	1183.6	1191.2	1208.9
42.5°	984.8	987.2	994.8	999.9	982.2	984.8	989.8	957.0	967.1	969.6	987.2
45°	750.5	760.6	765.6	770.6	755.5	760.6	760.6	737.9	740.4	745.5	760.6
47.5°	541.5	549.0	554.0	559.1	546.5	551.5	551.5	528.9	536.4	539.0	549.0
50°	370.2	375.2	377.8	375.2	375.2	375.2	375.2	362.6	370.2	362.6	375.2
52.5°	241.8	244.2	249.4	249.4	241.8	246.8	246.8	236.8	239.2	239.2	246.8
55°	148.6	151.1	153.6	151.1	148.6	151.1	151.1	146.1	151.1	146.1	153.6
57.5°	85.6	88.1	85.6	85.6	85.6	85.6	85.6	85.6	85.6	83.1	88.1
60°	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	50.4
62.5°	30.2	32.8	32.8	32.8	32.8	32.8	32.8	30.2	32.8	32.8	32.8
65°	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	27.8
67.5°	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	22.6
70°	15.1	15.1	15.1	15.1	15.1	15.1	17.6	17.6	15.1	17.6	17.6
72.5°	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
75°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	10.1
77.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
80°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	2.5	0.0	2.5
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: P212811

CATALOG NUMBER: LE_6B30D010 EC6B30508035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4
2.5°	2188.5	2168.4	2168.4	2145.8	2165.9	2168.4	2143.1	2135.6	2163.4	2133.1	2148.2
5°	2208.6	2188.5	2188.5	2165.9	2181.0	2181.0	2155.8	2143.1	2170.9	2140.6	2153.2
7.5°	2233.9	2211.1	2206.1	2183.5	2196.1	2198.6	2168.4	2150.8	2178.5	2143.1	2155.8
10°	2241.4	2216.2	2213.8	2191.0	2201.1	2203.6	2168.4	2153.2	2175.9	2138.1	2145.8
12.5°	2259.0	2231.4	2231.4	2208.6	2216.2	2216.2	2181.0	2160.9	2181.0	2143.1	2148.2
15°	2279.1	2249.0	2249.0	2226.2	2231.4	2233.9	2191.0	2170.9	2188.5	2148.2	2153.2
17.5°	2279.1	2246.5	2246.5	2226.2	2228.8	2226.2	2186.0	2163.4	2175.9	2133.1	2135.6
20°	2243.9	2211.1	2216.2	2193.5	2196.1	2193.5	2150.8	2128.1	2140.6	2095.4	2100.4
22.5°	2186.0	2155.8	2160.9	2140.6	2140.6	2138.1	2097.9	2075.1	2087.8	2042.5	2045.0
25°	2113.0	2082.8	2087.8	2067.6	2070.1	2070.1	2029.9	2004.6	2017.2	1977.0	1977.0
27.5°	2017.2	1987.0	1994.6	1982.0	1974.5	1977.0	1941.8	1916.5	1929.1	1891.4	1891.4
30°	1893.9	1868.6	1876.2	1866.1	1858.6	1858.6	1828.4	1803.2	1815.8	1783.0	1780.5
32.5°	1747.8	1727.6	1735.2	1727.6	1720.1	1727.6	1694.9	1669.8	1682.2	1657.1	1659.6
35°	1589.1	1569.0	1574.0	1566.5	1561.4	1566.5	1533.8	1516.1	1528.8	1503.5	1513.6
37.5°	1412.9	1377.6	1392.8	1387.6	1382.6	1385.1	1354.9	1342.4	1357.4	1342.4	1349.9
40°	1206.4	1181.1	1191.2	1186.1	1181.1	1193.8	1171.1	1153.5	1166.0	1156.0	1171.1
42.5°	982.2	962.0	974.6	972.1	964.5	979.6	962.0	949.5	969.6	964.5	977.1
45°	755.5	740.4	750.5	750.5	748.0	760.6	742.9	745.5	765.6	773.1	788.2
47.5°	546.5	523.9	536.4	544.0	544.0	556.6	546.5	556.6	579.2	594.4	607.0
50°	372.8	367.8	370.2	372.8	377.8	387.9	385.4	400.4	415.5	440.8	455.9
52.5°	246.8	241.8	246.8	249.4	254.4	264.4	264.4	282.1	299.8	322.4	340.0
55°	153.6	151.1	153.6	156.1	161.1	171.2	173.8	191.4	209.0	231.8	246.8
57.5°	88.1	90.6	90.6	95.8	98.2	105.8	113.4	123.4	143.5	166.2	181.4
60°	50.4	50.4	52.9	55.4	57.9	65.5	70.5	80.6	95.8	118.4	128.5
62.5°	32.8	32.8	35.2	35.2	37.8	42.9	47.9	57.9	70.5	88.1	98.2
65°	27.8	27.8	27.8	30.2	30.2	35.2	40.2	47.9	57.9	70.5	80.6
67.5°	22.6	22.6	22.6	25.1	25.1	27.8	32.8	37.8	45.4	55.4	63.0
70°	17.6	17.6	17.6	20.1	20.1	22.6	25.1	27.8	35.2	42.9	47.9
72.5°	12.6	12.6	15.1	15.1	15.1	17.6	20.1	22.6	27.8	32.8	35.2
75°	10.1	10.1	10.1	10.1	12.6	12.6	15.1	17.6	20.1	22.6	25.1
77.5°	5.0	5.0	7.5	7.5	7.5	10.1	10.1	12.6	15.1	17.6	17.6
80°	5.0	5.0	5.0	5.0	5.0	7.5	7.5	7.5	10.1	12.6	12.6
82.5°	2.5	2.5	2.5	2.5	2.5	5.0	5.0	5.0	7.5	7.5	7.5
85°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0	5.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5
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: P212811

CATALOG NUMBER: LE_6B30D010 EC6B30508035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4	2163.4
2.5°	2130.6	2138.1	2138.1	2130.6	2110.5	2128.1	2145.8	2128.1	2150.8	2110.5	2110.5
5°	2130.6	2135.6	2133.1	2123.0	2102.9	2118.0	2130.6	2113.0	2130.6	2092.9	2090.2
7.5°	2135.6	2130.6	2125.5	2113.0	2087.8	2097.9	2110.5	2090.2	2107.9	2067.6	2062.6
10°	2125.5	2118.0	2107.9	2090.2	2062.6	2070.1	2077.8	2060.1	2072.6	2032.4	2029.9
12.5°	2125.5	2113.0	2097.9	2077.8	2047.5	2052.5	2060.1	2037.4	2047.5	2009.8	2004.6
15°	2130.6	2107.9	2090.2	2067.6	2034.9	2037.4	2042.5	2017.2	2027.4	1987.0	1984.5
17.5°	2113.0	2087.8	2070.1	2042.5	2007.2	2009.8	2009.8	1984.5	1992.1	1951.8	1949.2
20°	2075.1	2045.0	2024.9	1999.6	1961.9	1961.9	1961.9	1936.6	1941.8	1906.5	1901.4
22.5°	2022.2	1989.5	1969.4	1944.2	1909.0	1906.5	1903.9	1883.8	1883.8	1851.0	1843.5
25°	1951.8	1921.6	1901.4	1878.8	1843.5	1838.5	1838.5	1820.9	1818.2	1788.1	1783.0
27.5°	1871.2	1835.9	1818.2	1798.1	1765.4	1760.4	1757.9	1747.8	1742.8	1710.0	1707.5
30°	1762.9	1732.6	1717.6	1700.0	1669.8	1664.6	1662.1	1652.1	1649.6	1616.9	1616.9
32.5°	1647.0	1609.2	1599.2	1581.6	1558.9	1556.4	1558.9	1546.4	1536.2	1513.6	1508.5
35°	1508.5	1470.8	1463.2	1455.6	1438.0	1433.0	1430.5	1428.0	1415.4	1400.2	1392.8
37.5°	1347.4	1314.6	1314.6	1312.1	1299.5	1299.5	1299.5	1294.5	1281.9	1276.9	1261.8
40°	1173.6	1148.4	1150.9	1153.5	1148.4	1150.9	1153.5	1148.4	1138.4	1133.2	1120.8
42.5°	987.2	974.6	984.8	992.2	992.2	999.9	1004.9	1004.9	992.2	989.8	979.6
45°	800.9	798.4	818.5	833.6	838.6	851.2	858.8	853.8	853.8	853.8	843.6
47.5°	627.1	637.1	654.8	685.0	695.1	710.2	715.2	722.8	720.2	722.8	715.2
50°	476.0	498.6	521.4	551.5	566.6	584.2	591.9	601.9	601.9	604.4	599.4
52.5°	360.1	377.8	415.5	435.8	453.4	471.0	481.0	491.1	493.6	493.6	488.6
55°	267.0	292.1	317.4	345.0	360.1	377.8	385.4	395.4	395.4	400.4	395.4
57.5°	193.9	219.1	246.8	267.0	284.6	297.1	304.8	312.2	317.4	317.4	314.8
60°	143.5	163.8	186.4	206.5	221.6	234.2	239.2	246.8	249.4	249.4	244.2
62.5°	108.2	128.5	148.6	166.2	176.2	186.4	191.4	196.5	196.5	196.5	193.9
65°	88.1	103.2	118.4	133.5	143.5	151.1	153.6	158.6	156.1	158.6	156.1
67.5°	70.5	80.6	93.1	103.2	110.8	115.9	118.4	123.4	120.9	123.4	120.9
70°	52.9	63.0	70.5	78.1	83.1	88.1	90.6	93.1	90.6	93.1	90.6
72.5°	40.2	45.4	52.9	60.5	63.0	65.5	68.0	68.0	68.0	70.5	68.0
75°	27.8	32.8	37.8	40.2	45.4	47.9	47.9	50.4	50.4	50.4	50.4
77.5°	20.1	22.6	25.1	27.8	30.2	32.8	32.8	35.2	35.2	35.2	35.2
80°	12.6	15.1	15.1	17.6	20.1	20.1	22.6	22.6	22.6	22.6	22.6
82.5°	7.5	10.1	10.1	12.6	12.6	12.6	15.1	15.1	15.1	15.1	15.1
85°	5.0	5.0	5.0	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
87.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0	2.5	2.5
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: P212811

CATALOG NUMBER: LE_6B30D010 EC6B30508035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2163.4	2163.4	2163.4	2163.4
2.5°	2130.6	2118.0	2138.1	2107.9
5°	2107.9	2095.4	2120.5	2082.8
7.5°	2080.2	2067.6	2090.2	2052.5
10°	2045.0	2032.4	2052.5	2012.2
12.5°	2014.8	2002.1	2024.9	1987.0
15°	1992.1	1979.5	1999.6	1964.4
17.5°	1956.9	1941.8	1964.4	1926.6
20°	1906.5	1896.4	1914.0	1876.2
22.5°	1848.5	1838.5	1858.6	1820.9
25°	1788.1	1775.5	1795.6	1757.9
27.5°	1710.0	1700.0	1720.1	1682.2
30°	1616.9	1606.8	1626.9	1591.6
32.5°	1511.0	1501.0	1516.1	1485.9
35°	1390.1	1382.6	1397.8	1365.0
37.5°	1259.2	1251.6	1266.8	1234.0
40°	1118.1	1110.6	1123.2	1108.1
42.5°	979.6	972.1	984.8	972.1
45°	843.6	838.6	851.2	838.6
47.5°	717.8	712.8	725.2	712.8
50°	596.9	599.4	604.4	599.4
52.5°	488.6	488.6	496.1	488.6
55°	395.4	397.9	400.4	395.4
57.5°	314.8	314.8	317.4	314.8
60°	244.2	246.8	246.8	244.2
62.5°	193.9	193.9	193.9	193.9
65°	153.6	153.6	156.1	153.6
67.5°	120.9	118.4	120.9	118.4
70°	90.6	90.6	90.6	90.6
72.5°	70.5	70.5	68.0	68.0
75°	50.4	52.9	50.4	50.4
77.5°	35.2	35.2	35.2	35.2
80°	22.6	22.6	22.6	22.6
82.5°	15.1	15.1	15.1	15.1
85°	10.1	7.5	7.5	7.5
87.5°	5.0	2.5	2.5	2.5
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)