

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: P212810

Luminaire Tested: **LE_6B30D010 EC6B30508030 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212810
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 EC6B30508030 6LBSWL11
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3529.6 lumens
Efficiency: N/A
Efficacy: 126.1 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

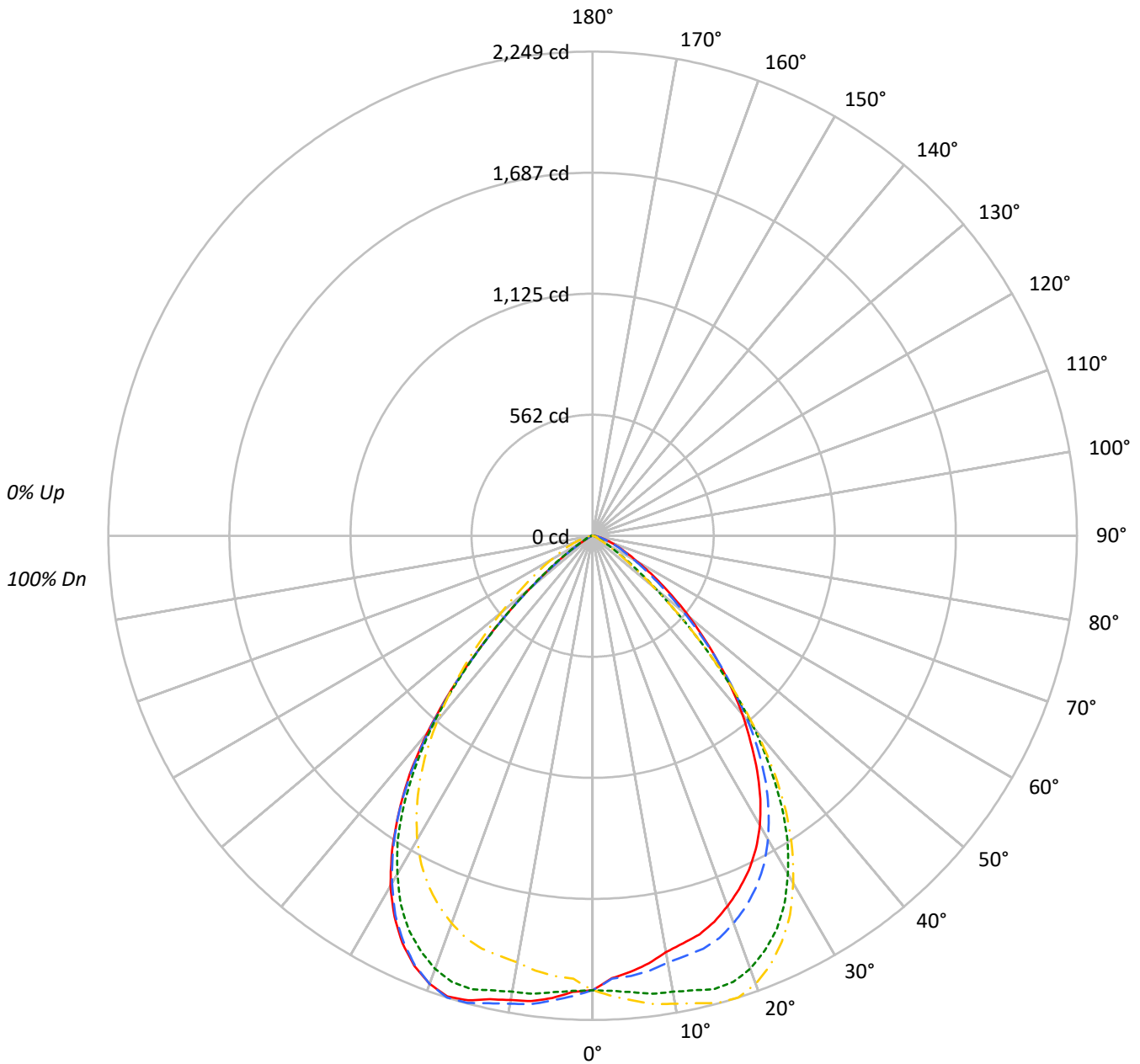
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	115725	115725	115725	115725
5°	111842	117114	118600	117114
10°	109305	119704	121897	119704
15°	108792	123718	126783	123718
20°	106812	124873	129173	124873
25°	103760	122191	126352	122191
30°	98313	114802	118854	114802
35°	89142	102299	105096	102299
40°	77388	83363	85474	83363
45°	63448	57533	57921	57533
50°	49883	32280	31649	32280
55°	36883	15971	14327	15971
60°	26138	7006	5131	7006
65°	19444	4462	3191	4462
70°	14185	3542	2372	3542
75°	10400	2584	1567	2584
80°	6977	2336	789	2336
85°	4655	1572	1572	1572



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.1	5.7
10°-20°	598.5	17.0
20°-30°	893.2	25.3
30°-40°	917.7	26.0
40°-50°	594.3	16.8
50°-60°	221.0	6.3
60°-70°	72.5	2.1
70°-80°	25.6	0.7
80°-90°	4.6	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°	1693.9	48.0
0°-40°	2611.6	74.0
0°-60°	3426.8	97.1
0°-90°	3529.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3529.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2111	2111	2111	2111	2111	
5°	2032	2128	2155	2128	2032	192
15°	1917	2180	2234	2180	1917	539
25°	1715	2020	2089	2020	1715	786
35°	1332	1529	1570	1529	1332	827
45°	818	742	747	742	818	633
55°	386	167	150	167	386	352
65°	150	34	25	34	150	152
75°	49	12	7	12	49	54
85°	7	2	2	2	7	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°	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0
2.5°	2057.0	2086.5	2066.8	2079.1	2059.5	2059.5	2098.8	2076.6	2093.9	2076.6	2059.5
5°	2032.4	2069.2	2044.8	2057.0	2039.8	2042.2	2079.1	2061.9	2079.1	2066.8	2052.1
7.5°	2002.9	2039.8	2017.6	2030.0	2012.8	2017.6	2057.0	2039.8	2059.5	2047.1	2037.4
10°	1963.6	2002.9	1983.2	1995.5	1980.8	1983.2	2022.6	2010.2	2027.5	2020.1	2012.8
12.5°	1939.0	1975.9	1953.8	1966.0	1956.2	1961.1	1998.0	1988.1	2010.2	2002.9	1998.0
15°	1916.9	1951.2	1931.6	1943.9	1936.5	1939.0	1978.4	1968.5	1993.1	1988.1	1985.8
17.5°	1880.0	1916.9	1894.8	1909.5	1902.1	1904.6	1943.9	1936.5	1961.1	1961.1	1958.6
20°	1830.9	1867.8	1850.5	1860.4	1855.5	1860.4	1894.8	1889.9	1914.5	1914.5	1914.5
22.5°	1776.9	1813.6	1794.0	1803.9	1799.0	1806.2	1838.2	1838.2	1857.9	1860.4	1862.9
25°	1715.4	1752.2	1732.6	1744.9	1740.0	1744.9	1774.4	1776.9	1794.0	1794.0	1799.0
27.5°	1641.6	1678.5	1658.9	1668.6	1666.2	1668.6	1700.6	1705.5	1715.4	1717.9	1722.8
30°	1553.1	1587.6	1567.9	1577.8	1577.8	1577.8	1609.8	1612.1	1622.0	1624.5	1629.4
32.5°	1450.0	1479.5	1464.8	1474.5	1472.1	1477.0	1499.1	1509.0	1521.2	1518.8	1521.2
35°	1332.0	1364.0	1349.2	1356.6	1359.0	1366.4	1381.1	1393.5	1395.9	1398.4	1403.2
37.5°	1204.2	1236.1	1221.4	1228.8	1231.2	1246.0	1250.9	1263.2	1268.1	1268.1	1268.1
40°	1081.4	1096.1	1083.8	1091.1	1093.6	1105.9	1110.9	1120.6	1125.6	1123.1	1120.6
42.5°	948.6	960.9	948.6	956.0	956.0	965.9	968.2	980.6	980.6	975.6	968.2
45°	818.4	830.6	818.4	823.2	823.2	833.1	833.1	833.1	838.0	830.6	818.4
47.5°	695.5	707.8	695.5	700.4	698.0	705.4	702.9	705.4	698.0	693.0	678.2
50°	584.9	589.9	584.9	582.5	584.9	589.9	587.4	587.4	577.5	570.1	553.0
52.5°	476.8	484.1	476.8	476.8	476.8	481.6	481.6	479.2	469.4	459.6	442.4
55°	385.9	390.8	388.2	385.9	385.9	390.8	385.9	385.9	376.0	368.6	351.4
57.5°	307.2	309.6	307.2	307.2	307.2	309.6	309.6	304.8	297.4	290.0	277.8
60°	238.4	240.9	240.9	238.4	238.4	243.2	243.2	240.9	233.5	228.5	216.2
62.5°	189.2	189.2	189.2	189.2	189.2	191.8	191.8	191.8	186.8	181.9	172.0
65°	149.9	152.4	149.9	149.9	152.4	154.9	152.4	154.9	149.9	147.5	140.1
67.5°	115.5	118.0	115.5	118.0	118.0	120.4	118.0	120.4	115.5	113.0	108.1
70°	88.5	88.5	88.5	88.5	88.5	90.9	88.5	90.9	88.5	86.0	81.1
72.5°	66.4	66.4	68.8	68.8	66.4	68.8	66.4	66.4	66.4	63.9	61.5
75°	49.1	49.1	51.6	49.1	49.1	49.1	49.1	49.1	46.8	46.8	44.2
77.5°	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	32.0	32.0	29.5
80°	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	19.6	19.6
82.5°	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	12.2	12.2
85°	7.4	7.4	7.4	9.9	7.4	7.4	7.4	7.4	7.4	7.4	7.4
87.5°	2.5	2.5	2.5	4.9	2.5	2.5	4.9	4.9	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°	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0
2.5°	2079.1	2086.5	2086.5	2079.1	2096.2	2081.5	2111.0	2084.0	2091.4	2116.0	2113.5
5°	2071.8	2081.5	2084.0	2079.1	2101.2	2088.9	2118.4	2091.4	2103.6	2128.2	2128.2
7.5°	2061.9	2074.1	2079.1	2084.0	2103.6	2091.4	2125.8	2098.8	2116.0	2145.5	2143.0
10°	2039.8	2057.0	2066.8	2074.1	2093.9	2086.5	2123.4	2101.2	2116.0	2150.4	2147.9
12.5°	2027.5	2047.1	2061.9	2074.1	2096.2	2091.4	2128.2	2108.6	2128.2	2162.6	2162.6
15°	2017.6	2039.8	2057.0	2079.1	2101.2	2096.2	2135.6	2118.4	2138.1	2179.9	2177.4
17.5°	1993.1	2020.1	2037.4	2061.9	2084.0	2081.5	2123.4	2111.0	2133.1	2172.5	2175.0
20°	1951.2	1975.9	1995.5	2025.0	2049.6	2044.8	2088.9	2076.6	2098.8	2140.5	2143.0
22.5°	1897.2	1921.9	1941.5	1973.4	1995.5	1993.1	2037.4	2025.0	2047.1	2086.5	2088.9
25°	1833.4	1855.5	1875.1	1904.6	1929.2	1929.2	1968.5	1956.2	1980.8	2020.1	2020.1
27.5°	1754.8	1774.4	1791.6	1826.0	1845.6	1845.6	1882.5	1870.2	1894.8	1929.2	1926.8
30°	1658.9	1676.0	1690.8	1720.2	1737.5	1740.0	1771.9	1759.6	1784.2	1813.6	1813.6
32.5°	1543.4	1560.5	1570.4	1607.2	1619.5	1617.1	1641.6	1629.4	1654.0	1685.9	1678.5
35°	1420.5	1427.9	1435.2	1472.1	1477.0	1467.1	1491.8	1479.5	1496.6	1528.6	1523.8
37.5°	1280.4	1282.9	1282.9	1314.8	1317.2	1309.9	1324.6	1309.9	1322.1	1351.6	1349.2
40°	1125.6	1123.1	1120.6	1145.2	1142.8	1128.0	1137.9	1125.6	1142.8	1164.9	1152.6
42.5°	968.2	960.9	951.1	963.4	953.5	941.2	946.1	926.5	938.8	956.0	941.2
45°	813.5	798.8	779.0	781.5	769.2	754.5	747.1	727.5	725.0	742.1	729.9
47.5°	668.5	639.0	621.8	611.9	592.2	580.0	565.2	543.1	533.2	543.1	530.9
50°	538.2	508.8	486.6	464.5	444.9	430.1	405.5	390.8	376.0	378.5	368.6
52.5°	425.1	405.5	368.6	351.4	331.8	314.6	292.5	275.2	258.0	258.0	248.2
55°	336.6	309.6	285.1	260.5	240.9	226.1	204.0	186.8	169.6	167.1	157.2
57.5°	260.5	240.9	213.8	189.2	177.0	162.2	140.1	120.4	110.6	103.2	95.9
60°	201.5	181.9	159.8	140.1	125.4	115.5	93.4	78.6	68.8	63.9	56.5
62.5°	162.2	145.0	125.4	105.6	95.9	86.0	68.8	56.5	46.8	41.8	36.9
65°	130.2	115.5	100.8	86.0	78.6	68.8	56.5	46.8	39.4	34.4	29.5
67.5°	100.8	90.9	78.6	68.8	61.5	54.1	44.2	36.9	32.0	27.0	24.6
70°	76.1	68.8	61.5	51.6	46.8	41.8	34.4	27.0	24.6	22.1	19.6
72.5°	59.0	51.6	44.2	39.4	34.4	32.0	27.0	22.1	19.6	17.2	14.8
75°	39.4	36.9	32.0	27.0	24.6	22.1	19.6	17.2	14.8	12.2	12.2
77.5°	27.0	24.6	22.1	19.6	17.2	17.2	14.8	12.2	9.9	9.9	7.4
80°	17.2	14.8	14.8	12.2	12.2	12.2	9.9	7.4	7.4	7.4	4.9
82.5°	12.2	9.9	9.9	7.4	7.4	7.4	7.4	4.9	4.9	4.9	2.5
85°	7.4	4.9	4.9	4.9	4.9	4.9	4.9	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°	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0
2.5°	2093.9	2116.0	2116.0	2135.6	2138.1	2133.1	2111.0	2111.0	2140.5	2157.8	2128.2
5°	2113.5	2135.6	2135.6	2155.2	2165.1	2157.8	2135.6	2138.1	2167.6	2187.2	2157.8
7.5°	2130.8	2152.9	2157.8	2179.9	2187.2	2179.9	2157.8	2162.6	2194.6	2211.8	2182.4
10°	2138.1	2160.2	2162.6	2187.2	2197.1	2187.2	2170.0	2172.5	2206.9	2219.1	2192.1
12.5°	2155.2	2177.4	2177.4	2204.4	2214.2	2206.9	2184.8	2189.8	2224.1	2236.4	2209.4
15°	2172.5	2194.6	2194.6	2224.1	2236.4	2226.5	2209.4	2211.8	2246.2	2258.5	2236.4
17.5°	2172.5	2192.1	2192.1	2224.1	2236.4	2229.0	2209.4	2211.8	2248.6	2258.5	2236.4
20°	2140.5	2162.6	2157.8	2189.8	2202.0	2194.6	2177.4	2177.4	2214.2	2224.1	2202.0
22.5°	2088.9	2108.6	2103.6	2133.1	2147.9	2138.1	2123.4	2120.9	2157.8	2167.6	2145.5
25°	2017.6	2037.4	2032.4	2061.9	2076.6	2064.4	2047.1	2049.6	2079.1	2093.9	2074.1
27.5°	1934.1	1946.4	1939.0	1968.5	1983.2	1971.0	1953.8	1956.2	1985.8	1995.5	1980.8
30°	1821.0	1830.9	1823.5	1848.1	1857.9	1850.5	1835.8	1835.8	1862.9	1875.1	1860.4
32.5°	1685.9	1693.2	1685.9	1705.5	1725.2	1710.5	1695.8	1695.8	1725.2	1735.0	1717.9
35°	1528.6	1536.0	1531.1	1550.8	1565.5	1545.8	1533.5	1528.6	1567.9	1563.0	1553.1
37.5°	1354.1	1359.0	1344.2	1378.8	1386.1	1364.0	1354.1	1349.2	1383.6	1381.1	1371.4
40°	1157.5	1162.4	1152.6	1177.1	1179.6	1162.4	1155.0	1147.6	1182.1	1179.6	1172.2
42.5°	948.6	951.1	938.8	958.5	963.4	946.1	943.8	933.9	965.9	960.9	958.5
45°	732.4	732.4	722.5	737.2	742.1	727.5	722.5	720.1	742.1	742.1	737.2
47.5°	530.9	523.5	511.1	533.2	535.8	525.9	523.5	516.1	538.2	538.2	533.2
50°	363.8	361.2	358.8	363.8	366.1	353.9	361.2	353.9	366.1	366.1	366.1
52.5°	243.2	240.9	235.9	240.9	240.9	233.5	233.5	231.0	240.9	240.9	235.9
55°	152.4	149.9	147.5	149.9	149.9	142.5	147.5	142.5	147.5	147.5	145.0
57.5°	93.4	88.5	88.5	86.0	86.0	81.1	83.5	83.5	83.5	83.5	83.5
60°	54.1	51.6	49.1	49.1	49.1	46.8	46.8	46.8	46.8	46.8	46.8
62.5°	34.4	34.4	32.0	32.0	32.0	32.0	32.0	29.5	32.0	32.0	32.0
65°	29.5	27.0	27.0	27.0	27.0	24.6	24.6	24.6	24.6	24.6	24.6
67.5°	24.6	22.1	22.1	22.1	22.1	19.6	19.6	19.6	19.6	19.6	19.6
70°	19.6	17.2	17.2	17.2	17.2	17.2	14.8	17.2	17.2	14.8	14.8
72.5°	14.8	14.8	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
75°	9.9	9.9	9.9	9.9	9.9	7.4	7.4	7.4	7.4	7.4	7.4
77.5°	7.4	7.4	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
80°	4.9	4.9	4.9	4.9	4.9	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: P212810

CATALOG NUMBER: LE_6B30D010 EC6B30508030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0
2.5°	2162.6	2138.1	2125.8	2150.4	2160.2	2147.9	2138.1	2120.9	2138.1	2147.9	2160.2
5°	2192.1	2170.0	2160.2	2177.4	2192.1	2179.9	2172.5	2155.2	2172.5	2179.9	2192.1
7.5°	2219.1	2197.1	2184.8	2202.0	2219.1	2202.0	2194.6	2179.9	2194.6	2202.0	2219.1
10°	2229.0	2204.4	2194.6	2209.4	2226.5	2209.4	2199.5	2189.8	2199.5	2209.4	2226.5
12.5°	2246.2	2221.6	2209.4	2221.6	2238.9	2221.6	2211.8	2204.4	2211.8	2221.6	2238.9
15°	2270.8	2248.6	2233.9	2246.2	2268.4	2248.6	2236.4	2233.9	2236.4	2248.6	2268.4
17.5°	2270.8	2253.6	2238.9	2248.6	2270.8	2256.0	2238.9	2243.8	2238.9	2256.0	2270.8
20°	2238.9	2221.6	2209.4	2209.4	2241.2	2221.6	2206.9	2214.2	2206.9	2221.6	2241.2
22.5°	2182.4	2167.6	2155.2	2152.9	2184.8	2167.6	2147.9	2162.6	2147.9	2167.6	2184.8
25°	2108.6	2093.9	2084.0	2079.1	2111.0	2091.4	2074.1	2088.9	2074.1	2091.4	2111.0
27.5°	2012.8	2000.5	1990.6	1983.2	2012.8	1995.5	1978.4	1993.1	1978.4	1995.5	2012.8
30°	1889.9	1882.5	1872.6	1862.9	1892.4	1875.1	1857.9	1877.6	1857.9	1875.1	1892.4
32.5°	1747.4	1742.4	1730.1	1720.2	1749.8	1730.1	1717.9	1732.6	1717.9	1730.1	1749.8
35°	1582.6	1575.2	1567.9	1550.8	1582.6	1565.5	1565.5	1570.4	1565.5	1565.5	1582.6
37.5°	1398.4	1393.5	1383.6	1368.9	1395.9	1383.6	1378.8	1393.5	1378.8	1383.6	1395.9
40°	1191.9	1189.5	1182.1	1164.9	1194.4	1182.1	1174.8	1194.4	1174.8	1182.1	1194.4
42.5°	975.6	970.8	963.4	960.9	975.6	965.9	973.2	973.2	973.2	965.9	975.6
45°	752.0	747.1	742.1	732.4	749.5	744.6	742.1	747.1	742.1	744.6	749.5
47.5°	545.6	540.6	535.8	528.4	545.6	538.2	538.2	543.1	538.2	538.2	545.6
50°	366.1	368.6	366.1	361.2	366.1	363.8	366.1	371.1	366.1	363.8	366.1
52.5°	243.2	243.2	238.4	235.9	240.9	238.4	245.8	240.9	245.8	238.4	240.9
55°	147.5	149.9	147.5	145.0	147.5	145.0	152.4	149.9	152.4	145.0	147.5
57.5°	83.5	83.5	86.0	83.5	88.5	86.0	86.0	86.0	86.0	86.0	88.5
60°	46.8	46.8	46.8	46.8	46.8	46.8	49.1	46.8	49.1	46.8	46.8
62.5°	32.0	32.0	32.0	29.5	32.0	29.5	32.0	32.0	32.0	29.5	32.0
65°	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
67.5°	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
70°	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
72.5°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
75°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
77.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
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: P212810

CATALOG NUMBER: LE_6B30D010 EC6B30508030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0
2.5°	2150.4	2125.8	2138.1	2162.6	2128.2	2157.8	2140.5	2111.0	2111.0	2133.1	2138.1
5°	2177.4	2160.2	2170.0	2192.1	2157.8	2187.2	2167.6	2138.1	2135.6	2157.8	2165.1
7.5°	2202.0	2184.8	2197.1	2219.1	2182.4	2211.8	2194.6	2162.6	2157.8	2179.9	2187.2
10°	2209.4	2194.6	2204.4	2229.0	2192.1	2219.1	2206.9	2172.5	2170.0	2187.2	2197.1
12.5°	2221.6	2209.4	2221.6	2246.2	2209.4	2236.4	2224.1	2189.8	2184.8	2206.9	2214.2
15°	2246.2	2233.9	2248.6	2270.8	2236.4	2258.5	2246.2	2211.8	2209.4	2226.5	2236.4
17.5°	2248.6	2238.9	2253.6	2270.8	2236.4	2258.5	2248.6	2211.8	2209.4	2229.0	2236.4
20°	2209.4	2209.4	2221.6	2238.9	2202.0	2224.1	2214.2	2177.4	2177.4	2194.6	2202.0
22.5°	2152.9	2155.2	2167.6	2182.4	2145.5	2167.6	2157.8	2120.9	2123.4	2138.1	2147.9
25°	2079.1	2084.0	2093.9	2108.6	2074.1	2093.9	2079.1	2049.6	2047.1	2064.4	2076.6
27.5°	1983.2	1990.6	2000.5	2012.8	1980.8	1995.5	1985.8	1956.2	1953.8	1971.0	1983.2
30°	1862.9	1872.6	1882.5	1889.9	1860.4	1875.1	1862.9	1835.8	1835.8	1850.5	1857.9
32.5°	1720.2	1730.1	1742.4	1747.4	1717.9	1735.0	1725.2	1695.8	1695.8	1710.5	1725.2
35°	1550.8	1567.9	1575.2	1582.6	1553.1	1563.0	1567.9	1528.6	1533.5	1545.8	1565.5
37.5°	1368.9	1383.6	1393.5	1398.4	1371.4	1381.1	1383.6	1349.2	1354.1	1364.0	1386.1
40°	1164.9	1182.1	1189.5	1191.9	1172.2	1179.6	1182.1	1147.6	1155.0	1162.4	1179.6
42.5°	960.9	963.4	970.8	975.6	958.5	960.9	965.9	933.9	943.8	946.1	963.4
45°	732.4	742.1	747.1	752.0	737.2	742.1	742.1	720.1	722.5	727.5	742.1
47.5°	528.4	535.8	540.6	545.6	533.2	538.2	538.2	516.1	523.5	525.9	535.8
50°	361.2	366.1	368.6	366.1	366.1	366.1	366.1	353.9	361.2	353.9	366.1
52.5°	235.9	238.4	243.2	243.2	235.9	240.9	240.9	231.0	233.5	233.5	240.9
55°	145.0	147.5	149.9	147.5	145.0	147.5	147.5	142.5	147.5	142.5	149.9
57.5°	83.5	86.0	83.5	83.5	83.5	83.5	83.5	83.5	83.5	81.1	86.0
60°	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	49.1
62.5°	29.5	32.0	32.0	32.0	32.0	32.0	32.0	29.5	32.0	32.0	32.0
65°	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	27.0
67.5°	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	22.1
70°	14.8	14.8	14.8	14.8	14.8	14.8	17.2	17.2	14.8	17.2	17.2
72.5°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
75°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	9.9
77.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
80°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9
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: P212810

CATALOG NUMBER: LE_6B30D010 EC6B30508030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0
2.5°	2135.6	2116.0	2116.0	2093.9	2113.5	2116.0	2091.4	2084.0	2111.0	2081.5	2096.2
5°	2155.2	2135.6	2135.6	2113.5	2128.2	2128.2	2103.6	2091.4	2118.4	2088.9	2101.2
7.5°	2179.9	2157.8	2152.9	2130.8	2143.0	2145.5	2116.0	2098.8	2125.8	2091.4	2103.6
10°	2187.2	2162.6	2160.2	2138.1	2147.9	2150.4	2116.0	2101.2	2123.4	2086.5	2093.9
12.5°	2204.4	2177.4	2177.4	2155.2	2162.6	2162.6	2128.2	2108.6	2128.2	2091.4	2096.2
15°	2224.1	2194.6	2194.6	2172.5	2177.4	2179.9	2138.1	2118.4	2135.6	2096.2	2101.2
17.5°	2224.1	2192.1	2192.1	2172.5	2175.0	2172.5	2133.1	2111.0	2123.4	2081.5	2084.0
20°	2189.8	2157.8	2162.6	2140.5	2143.0	2140.5	2098.8	2076.6	2088.9	2044.8	2049.6
22.5°	2133.1	2103.6	2108.6	2088.9	2088.9	2086.5	2047.1	2025.0	2037.4	1993.1	1995.5
25°	2061.9	2032.4	2037.4	2017.6	2020.1	2020.1	1980.8	1956.2	1968.5	1929.2	1929.2
27.5°	1968.5	1939.0	1946.4	1934.1	1926.8	1929.2	1894.8	1870.2	1882.5	1845.6	1845.6
30°	1848.1	1823.5	1830.9	1821.0	1813.6	1813.6	1784.2	1759.6	1771.9	1740.0	1737.5
32.5°	1705.5	1685.9	1693.2	1685.9	1678.5	1685.9	1654.0	1629.4	1641.6	1617.1	1619.5
35°	1550.8	1531.1	1536.0	1528.6	1523.8	1528.6	1496.6	1479.5	1491.8	1467.1	1477.0
37.5°	1378.8	1344.2	1359.0	1354.1	1349.2	1351.6	1322.1	1309.9	1324.6	1309.9	1317.2
40°	1177.1	1152.6	1162.4	1157.5	1152.6	1164.9	1142.8	1125.6	1137.9	1128.0	1142.8
42.5°	958.5	938.8	951.1	948.6	941.2	956.0	938.8	926.5	946.1	941.2	953.5
45°	737.2	722.5	732.4	732.4	729.9	742.1	725.0	727.5	747.1	754.5	769.2
47.5°	533.2	511.1	523.5	530.9	530.9	543.1	533.2	543.1	565.2	580.0	592.2
50°	363.8	358.8	361.2	363.8	368.6	378.5	376.0	390.8	405.5	430.1	444.9
52.5°	240.9	235.9	240.9	243.2	248.2	258.0	258.0	275.2	292.5	314.6	331.8
55°	149.9	147.5	149.9	152.4	157.2	167.1	169.6	186.8	204.0	226.1	240.9
57.5°	86.0	88.5	88.5	93.4	95.9	103.2	110.6	120.4	140.1	162.2	177.0
60°	49.1	49.1	51.6	54.1	56.5	63.9	68.8	78.6	93.4	115.5	125.4
62.5°	32.0	32.0	34.4	34.4	36.9	41.8	46.8	56.5	68.8	86.0	95.9
65°	27.0	27.0	27.0	29.5	29.5	34.4	39.4	46.8	56.5	68.8	78.6
67.5°	22.1	22.1	22.1	24.6	24.6	27.0	32.0	36.9	44.2	54.1	61.5
70°	17.2	17.2	17.2	19.6	19.6	22.1	24.6	27.0	34.4	41.8	46.8
72.5°	12.2	12.2	14.8	14.8	14.8	17.2	19.6	22.1	27.0	32.0	34.4
75°	9.9	9.9	9.9	9.9	12.2	12.2	14.8	17.2	19.6	22.1	24.6
77.5°	4.9	4.9	7.4	7.4	7.4	9.9	9.9	12.2	14.8	17.2	17.2
80°	4.9	4.9	4.9	4.9	4.9	7.4	7.4	7.4	9.9	12.2	12.2
82.5°	2.5	2.5	2.5	2.5	2.5	4.9	4.9	4.9	7.4	7.4	7.4
85°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9	4.9	4.9
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: P212810

CATALOG NUMBER: LE_6B30D010 EC6B30508030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0	2111.0
2.5°	2079.1	2086.5	2086.5	2079.1	2059.5	2076.6	2093.9	2076.6	2098.8	2059.5	2059.5
5°	2079.1	2084.0	2081.5	2071.8	2052.1	2066.8	2079.1	2061.9	2079.1	2042.2	2039.8
7.5°	2084.0	2079.1	2074.1	2061.9	2037.4	2047.1	2059.5	2039.8	2057.0	2017.6	2012.8
10°	2074.1	2066.8	2057.0	2039.8	2012.8	2020.1	2027.5	2010.2	2022.6	1983.2	1980.8
12.5°	2074.1	2061.9	2047.1	2027.5	1998.0	2002.9	2010.2	1988.1	1998.0	1961.1	1956.2
15°	2079.1	2057.0	2039.8	2017.6	1985.8	1988.1	1993.1	1968.5	1978.4	1939.0	1936.5
17.5°	2061.9	2037.4	2020.1	1993.1	1958.6	1961.1	1961.1	1936.5	1943.9	1904.6	1902.1
20°	2025.0	1995.5	1975.9	1951.2	1914.5	1914.5	1914.5	1889.9	1894.8	1860.4	1855.5
22.5°	1973.4	1941.5	1921.9	1897.2	1862.9	1860.4	1857.9	1838.2	1838.2	1806.2	1799.0
25°	1904.6	1875.1	1855.5	1833.4	1799.0	1794.0	1794.0	1776.9	1774.4	1744.9	1740.0
27.5°	1826.0	1791.6	1774.4	1754.8	1722.8	1717.9	1715.4	1705.5	1700.6	1668.6	1666.2
30°	1720.2	1690.8	1676.0	1658.9	1629.4	1624.5	1622.0	1612.1	1609.8	1577.8	1577.8
32.5°	1607.2	1570.4	1560.5	1543.4	1521.2	1518.8	1521.2	1509.0	1499.1	1477.0	1472.1
35°	1472.1	1435.2	1427.9	1420.5	1403.2	1398.4	1395.9	1393.5	1381.1	1366.4	1359.0
37.5°	1314.8	1282.9	1282.9	1280.4	1268.1	1268.1	1268.1	1263.2	1250.9	1246.0	1231.2
40°	1145.2	1120.6	1123.1	1125.6	1120.6	1123.1	1125.6	1120.6	1110.9	1105.9	1093.6
42.5°	963.4	951.1	960.9	968.2	968.2	975.6	980.6	980.6	968.2	965.9	956.0
45°	781.5	779.0	798.8	813.5	818.4	830.6	838.0	833.1	833.1	833.1	823.2
47.5°	611.9	621.8	639.0	668.5	678.2	693.0	698.0	705.4	702.9	705.4	698.0
50°	464.5	486.6	508.8	538.2	553.0	570.1	577.5	587.4	587.4	589.9	584.9
52.5°	351.4	368.6	405.5	425.1	442.4	459.6	469.4	479.2	481.6	481.6	476.8
55°	260.5	285.1	309.6	336.6	351.4	368.6	376.0	385.9	385.9	390.8	385.9
57.5°	189.2	213.8	240.9	260.5	277.8	290.0	297.4	304.8	309.6	309.6	307.2
60°	140.1	159.8	181.9	201.5	216.2	228.5	233.5	240.9	243.2	243.2	238.4
62.5°	105.6	125.4	145.0	162.2	172.0	181.9	186.8	191.8	191.8	191.8	189.2
65°	86.0	100.8	115.5	130.2	140.1	147.5	149.9	154.9	152.4	154.9	152.4
67.5°	68.8	78.6	90.9	100.8	108.1	113.0	115.5	120.4	118.0	120.4	118.0
70°	51.6	61.5	68.8	76.1	81.1	86.0	88.5	90.9	88.5	90.9	88.5
72.5°	39.4	44.2	51.6	59.0	61.5	63.9	66.4	66.4	66.4	68.8	66.4
75°	27.0	32.0	36.9	39.4	44.2	46.8	46.8	49.1	49.1	49.1	49.1
77.5°	19.6	22.1	24.6	27.0	29.5	32.0	32.0	34.4	34.4	34.4	34.4
80°	12.2	14.8	14.8	17.2	19.6	19.6	22.1	22.1	22.1	22.1	22.1
82.5°	7.4	9.9	9.9	12.2	12.2	12.2	14.8	14.8	14.8	14.8	14.8
85°	4.9	4.9	4.9	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
87.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9	4.9	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: P212810

CATALOG NUMBER: LE_6B30D010 EC6B30508030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2111.0	2111.0	2111.0	2111.0
2.5°	2079.1	2066.8	2086.5	2057.0
5°	2057.0	2044.8	2069.2	2032.4
7.5°	2030.0	2017.6	2039.8	2002.9
10°	1995.5	1983.2	2002.9	1963.6
12.5°	1966.0	1953.8	1975.9	1939.0
15°	1943.9	1931.6	1951.2	1916.9
17.5°	1909.5	1894.8	1916.9	1880.0
20°	1860.4	1850.5	1867.8	1830.9
22.5°	1803.9	1794.0	1813.6	1776.9
25°	1744.9	1732.6	1752.2	1715.4
27.5°	1668.6	1658.9	1678.5	1641.6
30°	1577.8	1567.9	1587.6	1553.1
32.5°	1474.5	1464.8	1479.5	1450.0
35°	1356.6	1349.2	1364.0	1332.0
37.5°	1228.8	1221.4	1236.1	1204.2
40°	1091.1	1083.8	1096.1	1081.4
42.5°	956.0	948.6	960.9	948.6
45°	823.2	818.4	830.6	818.4
47.5°	700.4	695.5	707.8	695.5
50°	582.5	584.9	589.9	584.9
52.5°	476.8	476.8	484.1	476.8
55°	385.9	388.2	390.8	385.9
57.5°	307.2	307.2	309.6	307.2
60°	238.4	240.9	240.9	238.4
62.5°	189.2	189.2	189.2	189.2
65°	149.9	149.9	152.4	149.9
67.5°	118.0	115.5	118.0	115.5
70°	88.5	88.5	88.5	88.5
72.5°	68.8	68.8	66.4	66.4
75°	49.1	51.6	49.1	49.1
77.5°	34.4	34.4	34.4	34.4
80°	22.1	22.1	22.1	22.1
82.5°	14.8	14.8	14.8	14.8
85°	9.9	7.4	7.4	7.4
87.5°	4.9	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)