

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: P212815

Luminaire Tested: **LE_6B30D010 EC6B30509027 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212815
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 EC6B30509027 6LBSWL11
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2899.0 lumens
Efficiency: N/A
Efficacy: 103.5 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

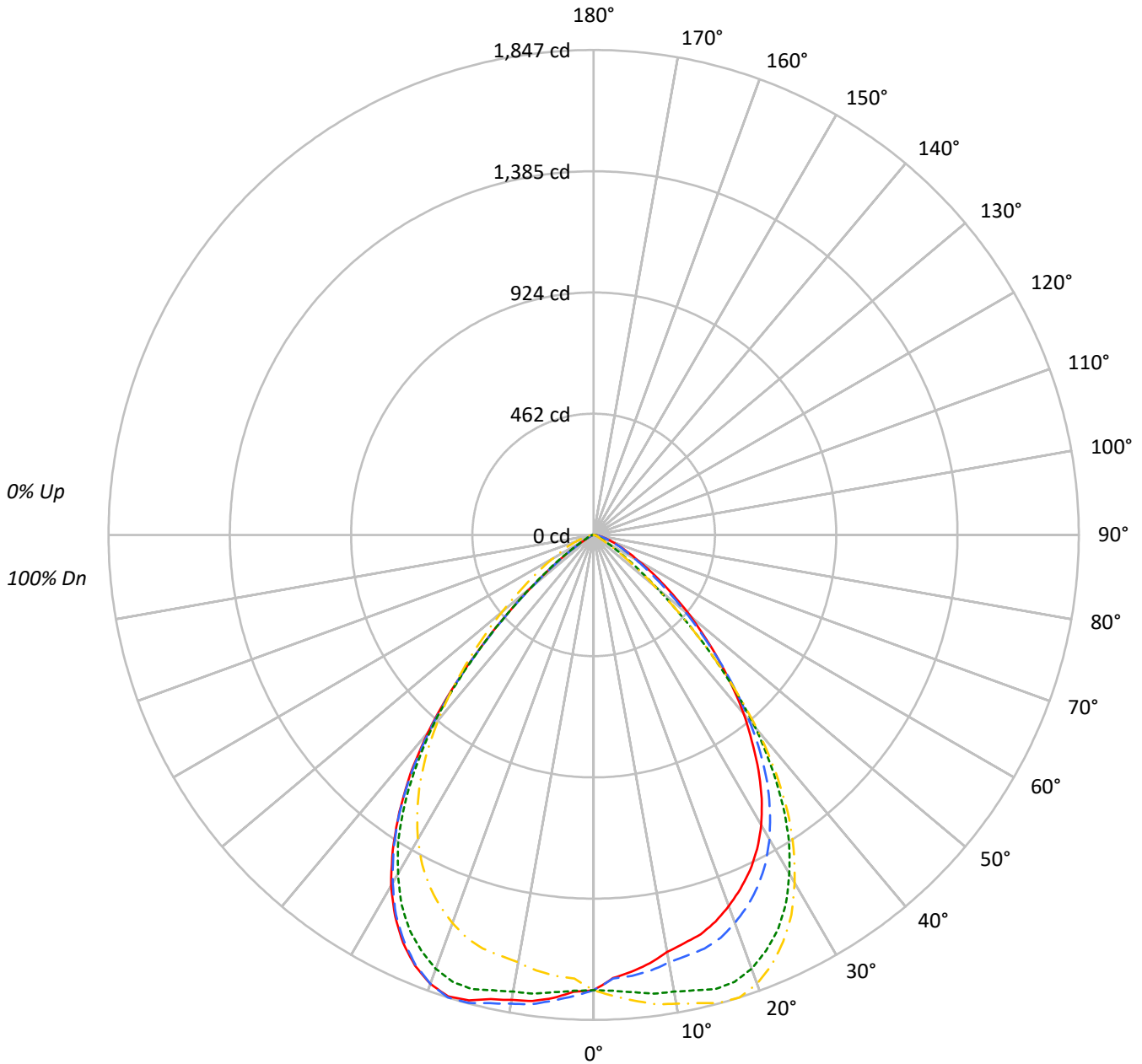
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P212815

CATALOG NUMBER: LE_6B30D010 EC6B30509027 6LBSWL11

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°	95058	95058	95058	95058
5°	91866	96197	97424	96197
10°	89783	98317	100121	98317
15°	89359	101618	104138	101618
20°	87735	102571	106106	102571
25°	85227	100361	103790	100361
30°	80759	94306	97623	94306
35°	73221	84029	86324	84029
40°	63562	68478	70203	68478
45°	52114	47261	47571	47261
50°	40971	26515	25995	26515
55°	30288	13113	11765	13113
60°	21468	5756	4210	5756
65°	15968	3658	2607	3658
70°	11637	2901	1939	2901
75°	8557	2139	1271	2139
80°	5714	1894	631	1894
85°	3774	1258	1258	1258



TEST NUMBER: P212815

CATALOG NUMBER: LE_6B30D010 EC6B30509027 6LBSWLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.0	5.7
10°-20°	491.6	17.0
20°-30°	733.7	25.3
30°-40°	753.8	26.0
40°-50°	488.1	16.8
50°-60°	181.5	6.3
60°-70°	59.5	2.1
70°-80°	21.0	0.7
80°-90°	3.8	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°	1391.3	48.0
0°-40°	2145.1	74.0
0°-60°	2814.8	97.1
0°-90°	2899.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2899.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1734	1734	1734	1734	1734	
5°	1669	1748	1770	1748	1669	158
15°	1574	1790	1835	1790	1574	443
25°	1409	1659	1716	1659	1409	646
35°	1094	1256	1290	1256	1094	679
45°	672	610	614	610	672	520
55°	317	137	123	137	317	289
65°	123	28	20	28	123	125
75°	40	10	6	10	40	44
85°	6	2	2	2	6	8
90°	0	0	0	0	0	



TEST NUMBER: P212815

CATALOG NUMBER: LE_6B30D010 EC6B30509027 6LBSWL11

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0
2.5°	1689.6	1713.8	1697.6	1707.8	1691.6	1691.6	1723.9	1705.8	1719.9	1705.8	1691.6
5°	1669.4	1699.6	1679.5	1689.6	1675.5	1677.5	1707.8	1693.6	1707.8	1697.6	1685.5
7.5°	1645.1	1675.5	1657.2	1667.4	1653.2	1657.2	1689.6	1675.5	1691.6	1681.5	1673.4
10°	1612.9	1645.1	1629.0	1639.1	1627.0	1629.0	1661.4	1651.2	1665.4	1659.2	1653.2
12.5°	1592.6	1623.0	1604.8	1614.9	1606.9	1610.9	1641.1	1633.0	1651.2	1645.1	1641.1
15°	1574.5	1602.8	1586.6	1596.8	1590.6	1592.6	1625.0	1616.9	1637.1	1633.0	1631.0
17.5°	1544.2	1574.5	1556.4	1568.5	1562.4	1564.4	1596.8	1590.6	1610.9	1610.9	1608.9
20°	1503.9	1534.1	1520.0	1528.1	1524.0	1528.1	1556.4	1552.4	1572.5	1572.5	1572.5
22.5°	1459.5	1489.8	1473.6	1481.6	1477.6	1483.6	1509.9	1509.9	1526.1	1528.1	1530.1
25°	1409.0	1439.2	1423.1	1433.2	1429.1	1433.2	1457.5	1459.5	1473.6	1473.6	1477.6
27.5°	1348.4	1378.8	1362.6	1370.6	1368.6	1370.6	1396.9	1400.9	1409.0	1411.0	1415.0
30°	1275.8	1304.0	1287.9	1296.0	1296.0	1296.0	1322.2	1324.2	1332.2	1334.2	1338.4
32.5°	1191.0	1215.2	1203.1	1211.1	1209.1	1213.1	1231.4	1239.4	1249.5	1247.5	1249.5
35°	1094.1	1120.4	1108.2	1114.2	1116.2	1122.4	1134.5	1144.5	1146.6	1148.6	1152.6
37.5°	989.1	1015.4	1003.2	1009.2	1011.4	1023.4	1027.5	1037.6	1041.6	1041.6	1041.6
40°	888.2	900.2	890.2	896.2	898.2	908.4	912.4	920.5	924.5	922.5	920.5
42.5°	779.1	789.2	779.1	785.2	785.2	793.4	795.4	805.4	805.4	801.4	795.4
45°	672.2	682.2	672.2	676.2	676.2	684.2	684.2	684.2	688.4	682.2	672.2
47.5°	571.2	581.4	571.2	575.2	573.2	579.4	577.4	579.4	573.2	569.2	557.1
50°	480.4	484.5	480.4	478.4	480.4	484.5	482.5	482.5	474.4	468.4	454.2
52.5°	391.6	397.6	391.6	391.6	391.6	395.6	395.6	393.6	385.5	377.5	363.4
55°	316.9	321.0	319.0	316.9	316.9	321.0	316.9	316.9	308.9	302.8	288.6
57.5°	252.4	254.4	252.4	252.4	252.4	254.4	254.4	250.2	244.2	238.2	228.1
60°	195.8	197.9	197.9	195.8	195.8	199.9	199.9	197.9	191.8	187.8	177.6
62.5°	155.4	155.4	155.4	155.4	155.4	157.5	157.5	157.5	153.4	149.4	141.2
65°	123.1	125.1	123.1	123.1	125.1	127.1	125.1	127.1	123.1	121.1	115.0
67.5°	94.9	96.9	94.9	96.9	96.9	98.9	96.9	98.9	94.9	92.9	88.9
70°	72.6	72.6	72.6	72.6	72.6	74.8	72.6	74.8	72.6	70.6	66.6
72.5°	54.5	54.5	56.5	56.5	54.5	56.5	54.5	54.5	54.5	52.5	50.5
75°	40.4	40.4	42.4	40.4	40.4	40.4	40.4	40.4	38.4	38.4	36.4
77.5°	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	26.2	26.2	24.2
80°	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	16.1	16.1
82.5°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	10.1	10.1
85°	6.0	6.0	6.0	8.1	6.0	6.0	6.0	6.0	6.0	6.0	6.0
87.5°	2.0	2.0	2.0	4.0	2.0	2.0	4.0	4.0	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212815

CATALOG NUMBER: LE_6B30D010 EC6B30509027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0
2.5°	1707.8	1713.8	1713.8	1707.8	1721.9	1709.8	1734.0	1711.8	1717.9	1738.0	1736.0
5°	1701.8	1709.8	1711.8	1707.8	1725.9	1715.9	1740.0	1717.9	1727.9	1748.1	1748.1
7.5°	1693.6	1703.8	1707.8	1711.8	1727.9	1717.9	1746.1	1723.9	1738.0	1762.2	1760.2
10°	1675.5	1689.6	1697.6	1703.8	1719.9	1713.8	1744.1	1725.9	1738.0	1766.2	1764.2
12.5°	1665.4	1681.5	1693.6	1703.8	1721.9	1717.9	1748.1	1732.0	1748.1	1776.4	1776.4
15°	1657.2	1675.5	1689.6	1707.8	1725.9	1721.9	1754.1	1740.0	1756.2	1790.5	1788.5
17.5°	1637.1	1659.2	1673.4	1693.6	1711.8	1709.8	1744.1	1734.0	1752.1	1784.5	1786.5
20°	1602.8	1623.0	1639.1	1663.4	1683.5	1679.5	1715.9	1705.8	1723.9	1758.2	1760.2
22.5°	1558.4	1578.5	1594.8	1621.0	1639.1	1637.1	1673.4	1663.4	1681.5	1713.8	1715.9
25°	1505.9	1524.0	1540.2	1564.4	1584.6	1584.6	1616.9	1606.9	1627.0	1659.2	1659.2
27.5°	1441.2	1457.5	1471.6	1499.9	1516.0	1516.0	1546.2	1536.1	1556.4	1584.6	1582.6
30°	1362.6	1376.8	1388.8	1413.0	1427.1	1429.1	1455.4	1445.4	1465.5	1489.8	1489.8
32.5°	1267.8	1281.9	1289.9	1320.1	1330.2	1328.2	1348.4	1338.4	1358.5	1384.8	1378.8
35°	1166.8	1172.9	1178.9	1209.1	1213.1	1205.1	1225.2	1215.2	1229.4	1255.6	1251.5
37.5°	1051.8	1053.8	1053.8	1080.0	1082.0	1075.9	1088.0	1075.9	1086.0	1110.2	1108.2
40°	924.5	922.5	920.5	940.6	938.6	926.5	934.6	924.5	938.6	956.9	946.8
42.5°	795.4	789.2	781.2	791.2	783.2	773.1	777.1	761.0	771.1	785.2	773.1
45°	668.1	656.0	639.9	641.9	631.9	619.8	613.6	597.5	595.5	609.6	599.5
47.5°	549.0	524.9	510.8	502.6	486.5	476.4	464.2	446.1	438.0	446.1	436.0
50°	442.1	417.9	399.6	381.5	365.4	353.2	333.1	321.0	308.9	310.9	302.8
52.5°	349.2	333.1	302.8	288.6	272.5	258.4	240.2	226.1	212.0	212.0	203.9
55°	276.5	254.4	234.1	214.0	197.9	185.8	167.5	153.4	139.2	137.2	129.2
57.5°	214.0	197.9	175.6	155.4	145.4	133.2	115.0	98.9	90.9	84.8	78.8
60°	165.5	149.4	131.2	115.0	103.0	94.9	76.8	64.6	56.5	52.5	46.4
62.5°	133.2	119.1	103.0	86.8	78.8	70.6	56.5	46.4	38.4	34.4	30.2
65°	107.0	94.9	82.8	70.6	64.6	56.5	46.4	38.4	32.2	28.2	24.2
67.5°	82.8	74.8	64.6	56.5	50.5	44.4	36.4	30.2	26.2	22.2	20.1
70°	62.6	56.5	50.5	42.4	38.4	34.4	28.2	22.2	20.1	18.1	16.1
72.5°	48.5	42.4	36.4	32.2	28.2	26.2	22.2	18.1	16.1	14.1	12.1
75°	32.2	30.2	26.2	22.2	20.1	18.1	16.1	14.1	12.1	10.1	10.1
77.5°	22.2	20.1	18.1	16.1	14.1	14.1	12.1	10.1	8.1	8.1	6.0
80°	14.1	12.1	12.1	10.1	10.1	10.1	8.1	6.0	6.0	6.0	4.0
82.5°	10.1	8.1	8.1	6.0	6.0	6.0	6.0	4.0	4.0	4.0	2.0
85°	6.0	4.0	4.0	4.0	4.0	4.0	4.0	2.0	2.0	2.0	2.0
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212815

CATALOG NUMBER: LE_6B30D010 EC6B30509027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0
2.5°	1719.9	1738.0	1738.0	1754.1	1756.2	1752.1	1734.0	1734.0	1758.2	1772.4	1748.1
5°	1736.0	1754.1	1754.1	1770.4	1778.4	1772.4	1754.1	1756.2	1780.4	1796.6	1772.4
7.5°	1750.1	1768.2	1772.4	1790.5	1796.6	1790.5	1772.4	1776.4	1802.6	1816.8	1792.5
10°	1756.2	1774.4	1776.4	1796.6	1804.6	1796.6	1782.4	1784.5	1812.8	1822.8	1800.6
12.5°	1770.4	1788.5	1788.5	1810.8	1818.8	1812.8	1794.5	1798.6	1826.9	1836.9	1814.8
15°	1784.5	1802.6	1802.6	1826.9	1836.9	1828.9	1814.8	1816.8	1845.0	1855.1	1836.9
17.5°	1784.5	1800.6	1800.6	1826.9	1836.9	1830.9	1814.8	1816.8	1847.0	1855.1	1836.9
20°	1758.2	1776.4	1772.4	1798.6	1808.6	1802.6	1788.5	1788.5	1818.8	1826.9	1808.6
22.5°	1715.9	1732.0	1727.9	1752.1	1764.2	1756.2	1744.1	1742.0	1772.4	1780.4	1762.2
25°	1657.2	1673.4	1669.4	1693.6	1705.8	1695.6	1681.5	1683.5	1707.8	1719.9	1703.8
27.5°	1588.6	1598.8	1592.6	1616.9	1629.0	1618.9	1604.8	1606.9	1631.0	1639.1	1627.0
30°	1495.8	1503.9	1497.8	1518.0	1526.1	1520.0	1507.9	1507.9	1530.1	1540.2	1528.1
32.5°	1384.8	1390.9	1384.8	1400.9	1417.1	1405.0	1392.9	1392.9	1417.1	1425.1	1411.0
35°	1255.6	1261.6	1257.6	1273.8	1285.9	1269.8	1259.6	1255.6	1287.9	1283.9	1275.8
37.5°	1112.2	1116.2	1104.1	1132.5	1138.5	1120.4	1112.2	1108.2	1136.5	1134.5	1126.4
40°	950.8	954.8	946.8	966.9	968.9	954.8	948.8	942.8	971.0	968.9	962.9
42.5°	779.1	781.2	771.1	787.2	791.2	777.1	775.1	767.1	793.4	789.2	787.2
45°	601.5	601.5	593.5	605.6	609.6	597.5	593.5	591.5	609.6	609.6	605.6
47.5°	436.0	430.0	419.9	438.0	440.0	432.0	430.0	423.9	442.1	442.1	438.0
50°	298.8	296.8	294.8	298.8	300.8	290.6	296.8	290.6	300.8	300.8	300.8
52.5°	199.9	197.9	193.8	197.9	197.9	191.8	191.8	189.8	197.9	197.9	193.8
55°	125.1	123.1	121.1	123.1	123.1	117.1	121.1	117.1	121.1	121.1	119.1
57.5°	76.8	72.6	72.6	70.6	70.6	66.6	68.6	68.6	68.6	68.6	68.6
60°	44.4	42.4	40.4	40.4	40.4	38.4	38.4	38.4	38.4	38.4	38.4
62.5°	28.2	28.2	26.2	26.2	26.2	26.2	26.2	24.2	26.2	26.2	26.2
65°	24.2	22.2	22.2	22.2	22.2	20.1	20.1	20.1	20.1	20.1	20.1
67.5°	20.1	18.1	18.1	18.1	18.1	16.1	16.1	16.1	16.1	16.1	16.1
70°	16.1	14.1	14.1	14.1	14.1	14.1	12.1	14.1	14.1	12.1	12.1
72.5°	12.1	12.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
75°	8.1	8.1	8.1	8.1	8.1	6.0	6.0	6.0	6.0	6.0	6.0
77.5°	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
80°	4.0	4.0	4.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	0.0	2.0	0.0	2.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212815

CATALOG NUMBER: LE_6B30D010 EC6B30509027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0
2.5°	1776.4	1756.2	1746.1	1766.2	1774.4	1764.2	1756.2	1742.0	1756.2	1764.2	1774.4
5°	1800.6	1782.4	1774.4	1788.5	1800.6	1790.5	1784.5	1770.4	1784.5	1790.5	1800.6
7.5°	1822.8	1804.6	1794.5	1808.6	1822.8	1808.6	1802.6	1790.5	1802.6	1808.6	1822.8
10°	1830.9	1810.8	1802.6	1814.8	1828.9	1814.8	1806.6	1798.6	1806.6	1814.8	1828.9
12.5°	1845.0	1824.9	1814.8	1824.9	1839.0	1824.9	1816.8	1810.8	1816.8	1824.9	1839.0
15°	1865.2	1847.0	1834.9	1845.0	1863.1	1847.0	1836.9	1834.9	1836.9	1847.0	1863.1
17.5°	1865.2	1851.1	1839.0	1847.0	1865.2	1853.1	1839.0	1843.0	1839.0	1853.1	1865.2
20°	1839.0	1824.9	1814.8	1814.8	1841.0	1824.9	1812.8	1818.8	1812.8	1824.9	1841.0
22.5°	1792.5	1780.4	1770.4	1768.2	1794.5	1780.4	1764.2	1776.4	1764.2	1780.4	1794.5
25°	1732.0	1719.9	1711.8	1707.8	1734.0	1717.9	1703.8	1715.9	1703.8	1717.9	1734.0
27.5°	1653.2	1643.1	1635.1	1629.0	1653.2	1639.1	1625.0	1637.1	1625.0	1639.1	1653.2
30°	1552.4	1546.2	1538.1	1530.1	1554.4	1540.2	1526.1	1542.2	1526.1	1540.2	1554.4
32.5°	1435.2	1431.2	1421.1	1413.0	1437.2	1421.1	1411.0	1423.1	1411.0	1421.1	1437.2
35°	1300.0	1293.9	1287.9	1273.8	1300.0	1285.9	1285.9	1289.9	1285.9	1285.9	1300.0
37.5°	1148.6	1144.5	1136.5	1124.4	1146.6	1136.5	1132.5	1144.5	1132.5	1136.5	1146.6
40°	979.0	977.0	971.0	956.9	981.0	971.0	964.9	981.0	964.9	971.0	981.0
42.5°	801.4	797.4	791.2	789.2	801.4	793.4	799.4	799.4	799.4	793.4	801.4
45°	617.8	613.6	609.6	601.5	615.6	611.6	609.6	613.6	609.6	611.6	615.6
47.5°	448.1	444.1	440.0	434.0	448.1	442.1	442.1	446.1	442.1	442.1	448.1
50°	300.8	302.8	300.8	296.8	300.8	298.8	300.8	304.8	300.8	298.8	300.8
52.5°	199.9	199.9	195.8	193.8	197.9	195.8	201.9	197.9	201.9	195.8	197.9
55°	121.1	123.1	121.1	119.1	121.1	119.1	125.1	123.1	125.1	119.1	121.1
57.5°	68.6	68.6	70.6	68.6	72.6	70.6	70.6	70.6	70.6	70.6	72.6
60°	38.4	38.4	38.4	38.4	38.4	38.4	40.4	38.4	40.4	38.4	38.4
62.5°	26.2	26.2	26.2	24.2	26.2	24.2	26.2	26.2	26.2	24.2	26.2
65°	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
67.5°	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
70°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
72.5°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
75°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
77.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212815

CATALOG NUMBER: LE_6B30D010 EC6B30509027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0
2.5°	1766.2	1746.1	1756.2	1776.4	1748.1	1772.4	1758.2	1734.0	1734.0	1752.1	1756.2
5°	1788.5	1774.4	1782.4	1800.6	1772.4	1796.6	1780.4	1756.2	1754.1	1772.4	1778.4
7.5°	1808.6	1794.5	1804.6	1822.8	1792.5	1816.8	1802.6	1776.4	1772.4	1790.5	1796.6
10°	1814.8	1802.6	1810.8	1830.9	1800.6	1822.8	1812.8	1784.5	1782.4	1796.6	1804.6
12.5°	1824.9	1814.8	1824.9	1845.0	1814.8	1836.9	1826.9	1798.6	1794.5	1812.8	1818.8
15°	1845.0	1834.9	1847.0	1865.2	1836.9	1855.1	1845.0	1816.8	1814.8	1828.9	1836.9
17.5°	1847.0	1839.0	1851.1	1865.2	1836.9	1855.1	1847.0	1816.8	1814.8	1830.9	1836.9
20°	1814.8	1814.8	1824.9	1839.0	1808.6	1826.9	1818.8	1788.5	1788.5	1802.6	1808.6
22.5°	1768.2	1770.4	1780.4	1792.5	1762.2	1780.4	1772.4	1742.0	1744.1	1756.2	1764.2
25°	1707.8	1711.8	1719.9	1732.0	1703.8	1719.9	1707.8	1683.5	1681.5	1695.6	1705.8
27.5°	1629.0	1635.1	1643.1	1653.2	1627.0	1639.1	1631.0	1606.9	1604.8	1618.9	1629.0
30°	1530.1	1538.1	1546.2	1552.4	1528.1	1540.2	1530.1	1507.9	1507.9	1520.0	1526.1
32.5°	1413.0	1421.1	1431.2	1435.2	1411.0	1425.1	1417.1	1392.9	1392.9	1405.0	1417.1
35°	1273.8	1287.9	1293.9	1300.0	1275.8	1283.9	1287.9	1255.6	1259.6	1269.8	1285.9
37.5°	1124.4	1136.5	1144.5	1148.6	1126.4	1134.5	1136.5	1108.2	1112.2	1120.4	1138.5
40°	956.9	971.0	977.0	979.0	962.9	968.9	971.0	942.8	948.8	954.8	968.9
42.5°	789.2	791.2	797.4	801.4	787.2	789.2	793.4	767.1	775.1	777.1	791.2
45°	601.5	609.6	613.6	617.8	605.6	609.6	609.6	591.5	593.5	597.5	609.6
47.5°	434.0	440.0	444.1	448.1	438.0	442.1	442.1	423.9	430.0	432.0	440.0
50°	296.8	300.8	302.8	300.8	300.8	300.8	300.8	290.6	296.8	290.6	300.8
52.5°	193.8	195.8	199.9	199.9	193.8	197.9	197.9	189.8	191.8	191.8	197.9
55°	119.1	121.1	123.1	121.1	119.1	121.1	121.1	117.1	121.1	117.1	123.1
57.5°	68.6	70.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	66.6	70.6
60°	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	40.4
62.5°	24.2	26.2	26.2	26.2	26.2	26.2	26.2	24.2	26.2	26.2	26.2
65°	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	22.2
67.5°	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	18.1
70°	12.1	12.1	12.1	12.1	12.1	12.1	14.1	14.1	12.1	14.1	14.1
72.5°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
75°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	8.1
77.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0	0.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212815

CATALOG NUMBER: LE_6B30D010 EC6B30509027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0
2.5°	1754.1	1738.0	1738.0	1719.9	1736.0	1738.0	1717.9	1711.8	1734.0	1709.8	1721.9
5°	1770.4	1754.1	1754.1	1736.0	1748.1	1748.1	1727.9	1717.9	1740.0	1715.9	1725.9
7.5°	1790.5	1772.4	1768.2	1750.1	1760.2	1762.2	1738.0	1723.9	1746.1	1717.9	1727.9
10°	1796.6	1776.4	1774.4	1756.2	1764.2	1766.2	1738.0	1725.9	1744.1	1713.8	1719.9
12.5°	1810.8	1788.5	1788.5	1770.4	1776.4	1776.4	1748.1	1732.0	1748.1	1717.9	1721.9
15°	1826.9	1802.6	1802.6	1784.5	1788.5	1790.5	1756.2	1740.0	1754.1	1721.9	1725.9
17.5°	1826.9	1800.6	1800.6	1784.5	1786.5	1784.5	1752.1	1734.0	1744.1	1709.8	1711.8
20°	1798.6	1772.4	1776.4	1758.2	1760.2	1758.2	1723.9	1705.8	1715.9	1679.5	1683.5
22.5°	1752.1	1727.9	1732.0	1715.9	1715.9	1713.8	1681.5	1663.4	1673.4	1637.1	1639.1
25°	1693.6	1669.4	1673.4	1657.2	1659.2	1659.2	1627.0	1606.9	1616.9	1584.6	1584.6
27.5°	1616.9	1592.6	1598.8	1588.6	1582.6	1584.6	1556.4	1536.1	1546.2	1516.0	1516.0
30°	1518.0	1497.8	1503.9	1495.8	1489.8	1489.8	1465.5	1445.4	1455.4	1429.1	1427.1
32.5°	1400.9	1384.8	1390.9	1384.8	1378.8	1384.8	1358.5	1338.4	1348.4	1328.2	1330.2
35°	1273.8	1257.6	1261.6	1255.6	1251.5	1255.6	1229.4	1215.2	1225.2	1205.1	1213.1
37.5°	1132.5	1104.1	1116.2	1112.2	1108.2	1110.2	1086.0	1075.9	1088.0	1075.9	1082.0
40°	966.9	946.8	954.8	950.8	946.8	956.9	938.6	924.5	934.6	926.5	938.6
42.5°	787.2	771.1	781.2	779.1	773.1	785.2	771.1	761.0	777.1	773.1	783.2
45°	605.6	593.5	601.5	601.5	599.5	609.6	595.5	597.5	613.6	619.8	631.9
47.5°	438.0	419.9	430.0	436.0	436.0	446.1	438.0	446.1	464.2	476.4	486.5
50°	298.8	294.8	296.8	298.8	302.8	310.9	308.9	321.0	333.1	353.2	365.4
52.5°	197.9	193.8	197.9	199.9	203.9	212.0	212.0	226.1	240.2	258.4	272.5
55°	123.1	121.1	123.1	125.1	129.2	137.2	139.2	153.4	167.5	185.8	197.9
57.5°	70.6	72.6	72.6	76.8	78.8	84.8	90.9	98.9	115.0	133.2	145.4
60°	40.4	40.4	42.4	44.4	46.4	52.5	56.5	64.6	76.8	94.9	103.0
62.5°	26.2	26.2	28.2	28.2	30.2	34.4	38.4	46.4	56.5	70.6	78.8
65°	22.2	22.2	22.2	24.2	24.2	28.2	32.2	38.4	46.4	56.5	64.6
67.5°	18.1	18.1	18.1	20.1	20.1	22.2	26.2	30.2	36.4	44.4	50.5
70°	14.1	14.1	14.1	16.1	16.1	18.1	20.1	22.2	28.2	34.4	38.4
72.5°	10.1	10.1	12.1	12.1	12.1	14.1	16.1	18.1	22.2	26.2	28.2
75°	8.1	8.1	8.1	8.1	10.1	10.1	12.1	14.1	16.1	18.1	20.1
77.5°	4.0	4.0	6.0	6.0	6.0	8.1	8.1	10.1	12.1	14.1	14.1
80°	4.0	4.0	4.0	4.0	4.0	6.0	6.0	6.0	8.1	10.1	10.1
82.5°	2.0	2.0	2.0	2.0	2.0	4.0	4.0	4.0	6.0	6.0	6.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	4.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212815

CATALOG NUMBER: LE_6B30D010 EC6B30509027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0
2.5°	1707.8	1713.8	1713.8	1707.8	1691.6	1705.8	1719.9	1705.8	1723.9	1691.6	1691.6
5°	1707.8	1711.8	1709.8	1701.8	1685.5	1697.6	1707.8	1693.6	1707.8	1677.5	1675.5
7.5°	1711.8	1707.8	1703.8	1693.6	1673.4	1681.5	1691.6	1675.5	1689.6	1657.2	1653.2
10°	1703.8	1697.6	1689.6	1675.5	1653.2	1659.2	1665.4	1651.2	1661.4	1629.0	1627.0
12.5°	1703.8	1693.6	1681.5	1665.4	1641.1	1645.1	1651.2	1633.0	1641.1	1610.9	1606.9
15°	1707.8	1689.6	1675.5	1657.2	1631.0	1633.0	1637.1	1616.9	1625.0	1592.6	1590.6
17.5°	1693.6	1673.4	1659.2	1637.1	1608.9	1610.9	1610.9	1590.6	1596.8	1564.4	1562.4
20°	1663.4	1639.1	1623.0	1602.8	1572.5	1572.5	1572.5	1552.4	1556.4	1528.1	1524.0
22.5°	1621.0	1594.8	1578.5	1558.4	1530.1	1528.1	1526.1	1509.9	1509.9	1483.6	1477.6
25°	1564.4	1540.2	1524.0	1505.9	1477.6	1473.6	1473.6	1459.5	1457.5	1433.2	1429.1
27.5°	1499.9	1471.6	1457.5	1441.2	1415.0	1411.0	1409.0	1400.9	1396.9	1370.6	1368.6
30°	1413.0	1388.8	1376.8	1362.6	1338.4	1334.2	1332.2	1324.2	1322.2	1296.0	1296.0
32.5°	1320.1	1289.9	1281.9	1267.8	1249.5	1247.5	1249.5	1239.4	1231.4	1213.1	1209.1
35°	1209.1	1178.9	1172.9	1166.8	1152.6	1148.6	1146.6	1144.5	1134.5	1122.4	1116.2
37.5°	1080.0	1053.8	1053.8	1051.8	1041.6	1041.6	1041.6	1037.6	1027.5	1023.4	1011.4
40°	940.6	920.5	922.5	924.5	920.5	922.5	924.5	920.5	912.4	908.4	898.2
42.5°	791.2	781.2	789.2	795.4	795.4	801.4	805.4	805.4	795.4	793.4	785.2
45°	641.9	639.9	656.0	668.1	672.2	682.2	688.4	684.2	684.2	684.2	676.2
47.5°	502.6	510.8	524.9	549.0	557.1	569.2	573.2	579.4	577.4	579.4	573.2
50°	381.5	399.6	417.9	442.1	454.2	468.4	474.4	482.5	482.5	484.5	480.4
52.5°	288.6	302.8	333.1	349.2	363.4	377.5	385.5	393.6	395.6	395.6	391.6
55°	214.0	234.1	254.4	276.5	288.6	302.8	308.9	316.9	316.9	321.0	316.9
57.5°	155.4	175.6	197.9	214.0	228.1	238.2	244.2	250.2	254.4	254.4	252.4
60°	115.0	131.2	149.4	165.5	177.6	187.8	191.8	197.9	199.9	199.9	195.8
62.5°	86.8	103.0	119.1	133.2	141.2	149.4	153.4	157.5	157.5	157.5	155.4
65°	70.6	82.8	94.9	107.0	115.0	121.1	123.1	127.1	125.1	127.1	125.1
67.5°	56.5	64.6	74.8	82.8	88.9	92.9	94.9	98.9	96.9	98.9	96.9
70°	42.4	50.5	56.5	62.6	66.6	70.6	72.6	74.8	72.6	74.8	72.6
72.5°	32.2	36.4	42.4	48.5	50.5	52.5	54.5	54.5	54.5	56.5	54.5
75°	22.2	26.2	30.2	32.2	36.4	38.4	38.4	40.4	40.4	40.4	40.4
77.5°	16.1	18.1	20.1	22.2	24.2	26.2	26.2	28.2	28.2	28.2	28.2
80°	10.1	12.1	12.1	14.1	16.1	16.1	18.1	18.1	18.1	18.1	18.1
82.5°	6.0	8.1	8.1	10.1	10.1	10.1	12.1	12.1	12.1	12.1	12.1
85°	4.0	4.0	4.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212815

CATALOG NUMBER: LE_6B30D010 EC6B30509027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1734.0	1734.0	1734.0	1734.0
2.5°	1707.8	1697.6	1713.8	1689.6
5°	1689.6	1679.5	1699.6	1669.4
7.5°	1667.4	1657.2	1675.5	1645.1
10°	1639.1	1629.0	1645.1	1612.9
12.5°	1614.9	1604.8	1623.0	1592.6
15°	1596.8	1586.6	1602.8	1574.5
17.5°	1568.5	1556.4	1574.5	1544.2
20°	1528.1	1520.0	1534.1	1503.9
22.5°	1481.6	1473.6	1489.8	1459.5
25°	1433.2	1423.1	1439.2	1409.0
27.5°	1370.6	1362.6	1378.8	1348.4
30°	1296.0	1287.9	1304.0	1275.8
32.5°	1211.1	1203.1	1215.2	1191.0
35°	1114.2	1108.2	1120.4	1094.1
37.5°	1009.2	1003.2	1015.4	989.1
40°	896.2	890.2	900.2	888.2
42.5°	785.2	779.1	789.2	779.1
45°	676.2	672.2	682.2	672.2
47.5°	575.2	571.2	581.4	571.2
50°	478.4	480.4	484.5	480.4
52.5°	391.6	391.6	397.6	391.6
55°	316.9	319.0	321.0	316.9
57.5°	252.4	252.4	254.4	252.4
60°	195.8	197.9	197.9	195.8
62.5°	155.4	155.4	155.4	155.4
65°	123.1	123.1	125.1	123.1
67.5°	96.9	94.9	96.9	94.9
70°	72.6	72.6	72.6	72.6
72.5°	56.5	56.5	54.5	54.5
75°	40.4	42.4	40.4	40.4
77.5°	28.2	28.2	28.2	28.2
80°	18.1	18.1	18.1	18.1
82.5°	12.1	12.1	12.1	12.1
85°	8.1	6.0	6.0	6.0
87.5°	4.0	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)