

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: P252376

Luminaire Tested: **LE_6B30D010 EC6B30508030 6LBLWW1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252376
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-5)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LE_6B30D010 EC6B30508030 6LBLWW1LI
Description: PORTFOLIO 6 INCH LENS 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: 3340.0 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.02 / 1.12
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

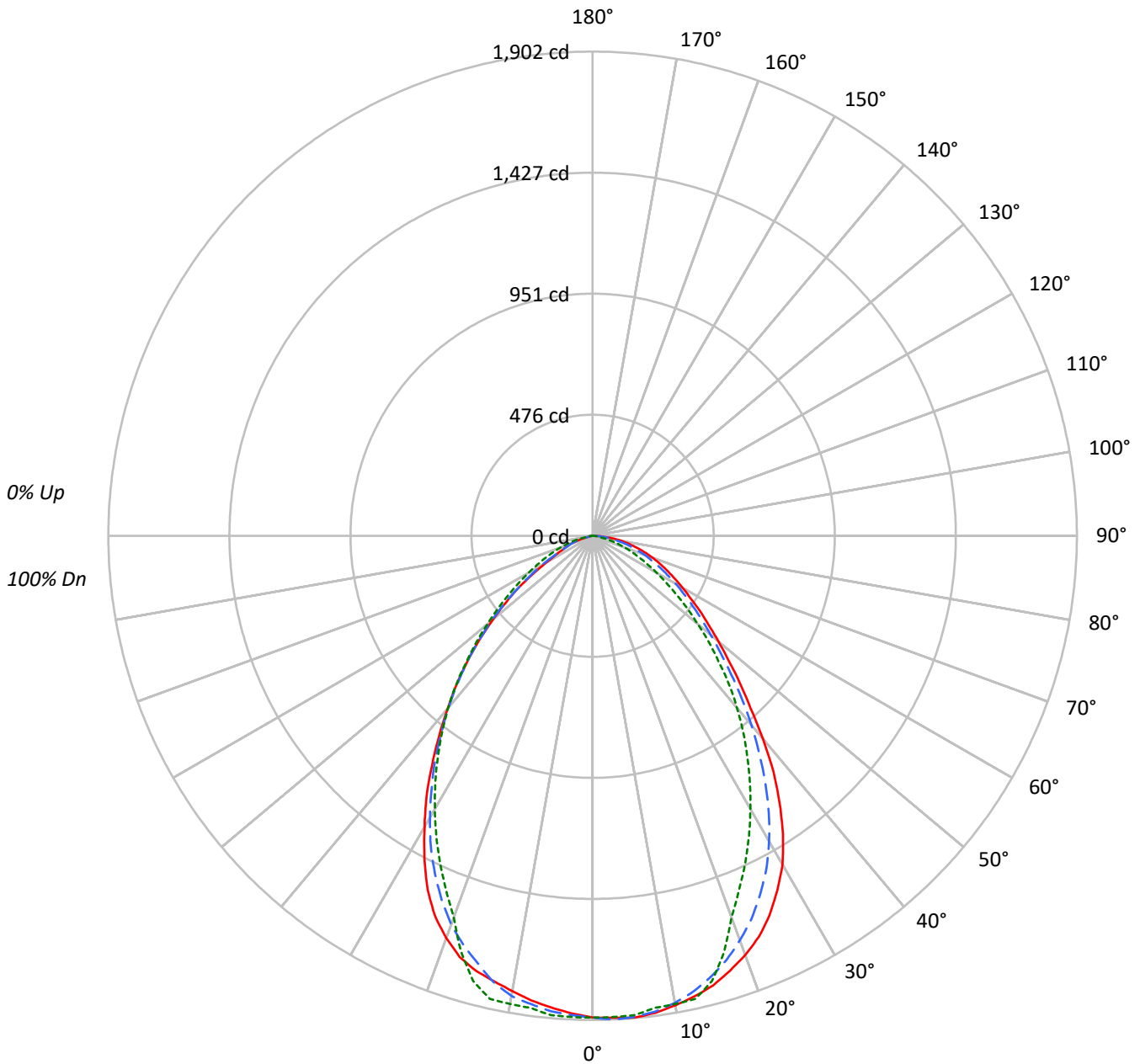
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P252376

CATALOG NUMBER: LE_6B30D010 EC6B30508030 6LBLWW1LI

Luminous Intensity Polar Plot





TEST NUMBER: P252376

CATALOG NUMBER: LE_6B30D010 EC6B30508030 6LBLWW1LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20	
RC	80				70				50				30				10				0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88				88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77				77
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	68				68
4	88	78	71	65	86	77	70	64	74	68	64	72	67	63	70	66	62	60				60
5	82	71	63	57	80	70	63	57	68	62	57	66	60	56	64	59	55	54				54
6	77	65	57	51	75	64	57	51	62	56	51	61	55	50	59	54	50	48				48
7	72	60	52	46	70	59	51	46	57	51	46	56	50	46	55	49	45	44				44
8	67	55	47	42	66	54	47	42	53	46	42	52	46	42	51	45	41	40				40
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36				36
10	59	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35	33				33

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	123468	123468	123468
5°	124424	123776	121844
10°	124068	123743	120318
15°	123507	122346	119522
20°	121665	110744	116715
25°	118358	102082	110396
30°	112390	93323	99433
35°	101984	84359	87497
40°	88538	75150	75355
45°	75509	64631	63948
50°	65354	54625	51641
55°	58419	45566	39981
60°	53236	37840	26944
65°	49708	31106	20099
70°	47344	25332	16881
75°	44616	17947	5571
80°	42455	9242	1841
85°	35032	5539	0



TEST NUMBER: P252376

CATALOG NUMBER: LE_6B30D010 EC6B30508030 6LBLWW1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.7	5.4
10°-20°	499.8	15.0
20°-30°	689.9	20.7
30°-40°	702.1	21.0
40°-50°	564.2	16.9
50°-60°	375.2	11.2
60°-70°	213.8	6.4
70°-80°	96.0	2.9
80°-90°	20.2	0.6
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°	1368.5	41.0
0°-40°	2070.6	62.0
0°-60°	3010.0	90.1
0°-90°	3340.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3340.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1892	1892	1892	1892	1892	
5°	1900	1897	1890	1875	1860	180
15°	1829	1794	1811	1740	1770	515
25°	1644	1556	1418	1465	1534	753
35°	1280	1182	1059	1079	1099	796
45°	818	769	700	693	693	635
55°	514	479	401	356	352	462
65°	322	288	202	130	130	321
75°	177	148	71	30	22	189
85°	47	32	7	2	0	56
90°	0	0	0	0	0	



TEST NUMBER: P252376

CATALOG NUMBER: LE_6B30D010 EC6B30508030 6LBLWW1LI

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5
2.5°	1894.9	1904.8	1902.2	1899.9	1902.2	1899.9	1894.9	1894.9	1890.0	1890.0	1902.2
5°	1899.9	1904.8	1902.2	1899.9	1899.9	1902.2	1892.5	1892.5	1887.5	1885.1	1897.4
7.5°	1890.0	1897.4	1892.5	1892.5	1890.0	1892.5	1882.6	1882.6	1875.2	1872.8	1885.1
10°	1872.8	1882.6	1877.8	1877.8	1877.8	1872.8	1867.9	1865.4	1858.1	1855.6	1863.0
12.5°	1853.1	1860.5	1858.1	1853.1	1853.1	1853.1	1843.4	1840.9	1831.0	1826.1	1833.5
15°	1828.6	1833.5	1831.0	1828.6	1823.6	1823.6	1813.9	1808.9	1799.1	1789.2	1794.1
17.5°	1791.8	1799.1	1794.1	1791.8	1784.4	1784.4	1774.5	1769.6	1754.9	1745.0	1747.5
20°	1752.4	1754.9	1752.4	1747.5	1740.1	1737.6	1727.8	1718.0	1705.6	1693.4	1690.9
22.5°	1705.6	1708.1	1700.8	1695.9	1688.5	1686.0	1673.8	1666.4	1646.8	1632.0	1629.5
25°	1644.2	1646.8	1646.8	1634.4	1629.5	1624.6	1612.2	1600.0	1582.8	1563.1	1555.8
27.5°	1570.5	1577.9	1573.0	1560.6	1550.9	1548.4	1536.1	1526.2	1504.1	1487.0	1477.1
30°	1491.9	1489.4	1487.0	1479.6	1464.9	1462.4	1450.1	1437.8	1420.6	1398.5	1386.1
32.5°	1391.1	1391.1	1388.6	1381.2	1366.5	1361.6	1351.8	1337.0	1317.4	1300.1	1287.9
35°	1280.5	1283.0	1280.5	1265.8	1255.9	1251.0	1246.1	1228.9	1211.6	1192.0	1182.1
37.5°	1165.0	1157.6	1160.0	1147.8	1135.5	1140.4	1125.6	1118.2	1098.6	1083.9	1074.0
40°	1039.6	1044.5	1034.8	1029.8	1022.4	1015.0	1015.0	1002.8	992.9	975.8	970.9
42.5°	916.8	924.1	921.6	916.8	906.9	909.4	897.1	892.1	879.9	872.5	865.1
45°	818.4	818.4	818.4	813.5	811.0	806.1	798.8	791.4	784.0	774.2	769.2
47.5°	722.6	722.6	725.0	720.1	715.2	712.8	707.9	707.9	695.5	685.8	680.8
50°	643.9	643.9	643.9	639.0	634.1	634.1	629.1	624.2	616.9	609.5	604.6
52.5°	572.6	572.6	572.6	567.8	565.2	562.9	560.4	557.9	548.1	543.1	538.2
55°	513.6	511.2	511.2	508.8	503.9	503.9	501.4	496.5	489.1	481.8	479.2
57.5°	454.6	457.1	454.6	454.6	449.8	449.8	444.9	442.4	435.0	430.1	425.2
60°	408.0	408.0	408.0	405.5	400.6	403.1	398.1	395.8	388.4	381.0	376.0
62.5°	361.2	363.8	363.8	361.2	356.4	356.4	353.9	351.5	344.1	336.8	329.4
65°	322.0	322.0	322.0	319.5	317.0	317.0	314.6	312.1	304.8	294.9	287.5
67.5°	285.1	282.6	282.6	282.6	280.1	277.8	275.2	272.8	265.5	258.1	248.2
70°	248.2	248.2	248.2	245.8	240.9	243.4	240.9	238.4	231.0	223.6	216.2
72.5°	213.9	213.9	211.4	208.9	208.9	206.5	206.5	204.0	196.6	186.8	179.4
75°	177.0	177.0	177.0	177.0	172.0	174.5	169.6	167.1	162.2	154.9	147.5
77.5°	145.0	145.0	145.0	142.5	140.1	140.1	137.6	135.1	127.8	122.9	113.0
80°	113.0	113.0	113.0	113.0	110.6	108.1	105.6	103.2	98.2	90.9	83.6
82.5°	83.6	83.6	81.1	81.1	81.1	78.6	76.2	73.8	68.9	63.9	59.0
85°	46.8	49.1	49.1	44.2	46.8	44.2	44.2	39.4	39.4	34.4	32.0
87.5°	17.2	14.8	14.8	14.8	14.8	14.8	14.8	12.2	12.2	12.2	9.9
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: P252376

CATALOG NUMBER: LE_6B30D010 EC6B30508030 6LBLWW1LI

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5
2.5°	1892.5	1890.0	1899.9	1899.9	1885.1	1892.5	1894.9	1890.0	1890.0	1892.5	1885.1
5°	1887.5	1882.6	1892.5	1894.9	1880.1	1887.5	1890.0	1885.1	1887.5	1890.0	1880.1
7.5°	1870.4	1870.4	1877.8	1880.1	1865.4	1872.8	1872.8	1867.9	1870.4	1870.4	1863.0
10°	1853.1	1845.8	1853.1	1853.1	1840.9	1843.4	1848.2	1845.8	1855.6	1867.9	1867.9
12.5°	1821.2	1813.9	1826.1	1826.1	1818.8	1828.6	1840.9	1848.2	1858.1	1863.0	1848.2
15°	1781.9	1784.4	1806.5	1823.6	1816.2	1831.0	1843.4	1838.4	1826.1	1811.4	1789.2
17.5°	1730.2	1722.9	1742.5	1752.4	1742.5	1747.5	1757.2	1747.5	1727.8	1715.5	1686.0
20°	1671.2	1651.6	1651.6	1646.8	1629.5	1629.5	1627.0	1609.9	1602.5	1595.1	1582.8
22.5°	1604.9	1582.8	1575.4	1560.6	1545.9	1543.5	1536.1	1518.9	1509.0	1504.1	1489.4
25°	1528.8	1509.0	1496.8	1482.0	1459.9	1455.0	1447.6	1430.4	1425.5	1418.1	1405.9
27.5°	1450.1	1425.5	1408.2	1393.5	1373.9	1371.4	1356.6	1344.4	1334.5	1329.6	1319.9
30°	1359.1	1332.1	1319.9	1300.1	1285.4	1280.5	1268.2	1251.0	1243.6	1238.8	1231.4
32.5°	1258.4	1236.2	1224.0	1206.8	1187.1	1189.5	1174.8	1160.0	1155.1	1150.2	1142.9
35°	1160.0	1138.0	1123.2	1108.5	1096.1	1091.2	1081.4	1069.1	1061.8	1059.2	1054.4
37.5°	1051.9	1034.8	1022.4	1007.6	997.9	992.9	988.0	975.8	970.9	970.9	961.0
40°	946.2	931.5	921.6	914.2	902.0	899.5	894.6	887.2	884.8	882.4	875.0
42.5°	850.4	830.8	823.4	818.4	811.0	806.1	803.6	798.8	796.4	793.9	786.5
45°	759.5	742.2	734.9	730.0	722.6	720.1	717.6	710.2	705.4	700.5	698.0
47.5°	671.0	658.6	656.2	643.9	639.0	634.1	629.1	624.2	621.8	619.4	609.5
50°	594.8	587.4	575.1	567.8	562.9	560.4	550.5	543.1	540.8	538.2	530.9
52.5°	526.0	516.1	508.8	496.5	494.0	489.1	484.1	474.4	469.4	467.0	459.6
55°	464.5	457.1	447.2	437.5	430.1	427.6	420.2	410.5	405.5	400.6	395.8
57.5°	412.9	400.6	390.8	381.0	376.0	368.6	361.2	356.4	349.0	341.6	334.2
60°	363.8	353.9	341.6	331.8	326.9	322.0	312.1	304.8	297.4	290.0	282.6
62.5°	317.0	307.2	294.9	285.1	280.1	275.2	265.5	258.1	250.8	243.4	233.5
65°	275.2	265.5	255.6	245.8	240.9	236.0	226.1	216.2	208.9	201.5	191.8
67.5°	240.9	228.6	218.8	208.9	204.0	199.1	189.2	181.9	172.0	164.6	154.9
70°	204.0	194.1	186.8	177.0	172.0	167.1	157.2	147.5	140.1	132.8	122.9
72.5°	172.0	159.8	152.4	142.5	137.6	135.1	125.4	118.0	110.6	100.8	93.4
75°	137.6	127.8	118.0	110.6	105.6	103.2	93.4	86.0	78.6	71.2	63.9
77.5°	105.6	98.2	88.5	81.1	76.2	73.8	63.9	56.5	49.1	44.2	36.9
80°	78.6	68.9	63.9	56.5	54.1	49.1	44.2	36.9	32.0	24.6	19.6
82.5°	54.1	46.8	41.8	36.9	34.4	32.0	27.0	22.1	17.2	14.8	12.2
85°	29.5	24.6	22.1	19.6	17.2	17.2	14.8	12.2	9.9	7.4	4.9
87.5°	9.9	7.4	7.4	7.4	7.4	4.9	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



TEST NUMBER: P252376

CATALOG NUMBER: LE_6B30D010 EC6B30508030 6LBLWW1LI

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5
2.5°	1890.0	1890.0	1890.0	1887.5	1887.5	1887.5	1885.1	1894.9	1885.1	1882.6	1890.0
5°	1887.5	1882.6	1882.6	1882.6	1882.6	1880.1	1877.8	1882.6	1875.2	1872.8	1872.8
7.5°	1872.8	1870.4	1870.4	1867.9	1865.4	1863.0	1860.5	1863.0	1855.6	1853.1	1853.1
10°	1875.2	1870.4	1870.4	1863.0	1858.1	1850.8	1843.4	1845.8	1836.0	1828.6	1828.6
12.5°	1845.8	1833.5	1826.1	1818.8	1813.9	1811.4	1801.5	1806.5	1796.6	1794.1	1794.1
15°	1779.4	1764.6	1752.4	1747.5	1747.5	1742.5	1735.1	1745.0	1740.1	1742.5	1754.9
17.5°	1676.2	1668.9	1661.5	1659.0	1661.5	1666.4	1671.2	1686.0	1686.0	1693.4	1705.6
20°	1585.2	1580.4	1585.2	1585.2	1587.8	1597.5	1607.4	1619.6	1624.6	1632.0	1649.1
22.5°	1496.8	1496.8	1501.8	1509.0	1506.6	1523.8	1526.2	1548.4	1548.4	1563.1	1577.9
25°	1410.8	1410.8	1415.6	1418.1	1423.0	1432.9	1442.8	1459.9	1464.9	1479.6	1491.9
27.5°	1327.2	1324.8	1324.8	1327.2	1332.1	1344.4	1349.2	1369.0	1376.4	1386.1	1398.5
30°	1233.8	1231.4	1236.2	1241.1	1238.8	1251.0	1258.4	1273.1	1278.0	1287.9	1297.8
32.5°	1145.4	1145.4	1145.4	1150.2	1150.2	1160.0	1160.0	1177.2	1177.2	1184.6	1194.5
35°	1054.4	1054.4	1056.9	1059.2	1061.8	1064.2	1066.6	1076.5	1079.0	1081.4	1086.4
37.5°	968.4	965.9	968.4	968.4	963.5	973.2	973.2	983.1	975.8	983.1	985.5
40°	879.9	879.9	877.4	877.4	877.4	882.4	877.4	884.8	879.9	884.8	882.4
42.5°	789.0	789.0	784.0	789.0	786.5	786.5	786.5	791.4	784.0	789.0	791.4
45°	698.0	695.5	695.5	693.1	693.1	693.1	695.5	695.5	693.1	698.0	698.0
47.5°	609.5	607.1	607.1	607.1	607.1	609.5	602.1	607.1	602.1	602.1	602.1
50°	533.4	530.9	528.4	526.0	523.5	523.5	521.0	521.0	516.1	513.6	511.2
52.5°	459.6	457.1	452.2	452.2	449.8	447.2	440.0	440.0	432.6	430.1	430.1
55°	393.2	385.9	383.4	378.5	378.5	373.6	368.6	363.8	356.4	351.5	351.5
57.5°	331.8	324.4	319.5	317.0	314.6	309.6	299.9	297.4	287.5	285.1	282.6
60°	277.8	270.4	263.0	258.1	255.6	248.2	238.4	233.5	228.6	221.2	213.9
62.5°	226.1	218.8	208.9	206.5	201.5	194.1	186.8	179.4	174.5	167.1	162.2
65°	181.9	174.5	167.1	162.2	157.2	149.9	142.5	135.1	130.2	127.8	125.4
67.5°	147.5	137.6	130.2	127.8	122.9	118.0	110.6	108.1	103.2	103.2	103.2
70°	115.5	108.1	100.8	98.2	95.9	90.9	86.0	86.0	86.0	86.0	86.0
72.5°	86.0	81.1	73.8	71.2	68.9	66.4	61.5	63.9	61.5	61.5	61.5
75°	54.1	49.1	44.2	41.8	39.4	36.9	34.4	32.0	29.5	27.0	27.0
77.5°	29.5	24.6	22.1	19.6	19.6	17.2	14.8	14.8	12.2	12.2	12.2
80°	17.2	14.8	12.2	9.9	9.9	7.4	7.4	7.4	7.4	4.9	4.9
82.5°	9.9	7.4	4.9	4.9	4.9	4.9	2.5	2.5	2.5	2.5	2.5
85°	4.9	4.9	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0
87.5°	2.5	2.5	2.5	2.5	2.5	2.5	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: P252376

CATALOG NUMBER: LE_6B30D010 EC6B30508030 6LBLWW1LI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5
2.5°	1877.8	1885.1	1877.8	1885.1	1885.1	1885.1	1885.1	1877.8
5°	1865.4	1870.4	1863.0	1867.9	1870.4	1867.9	1867.9	1860.5
7.5°	1843.4	1848.2	1840.9	1848.2	1850.8	1848.2	1845.8	1840.9
10°	1821.2	1823.6	1816.2	1821.2	1826.1	1826.1	1823.6	1816.2
12.5°	1786.8	1794.1	1786.8	1791.8	1796.6	1799.1	1799.1	1791.8
15°	1747.5	1759.8	1754.9	1762.2	1769.6	1772.0	1772.0	1769.6
17.5°	1708.1	1720.4	1713.0	1725.4	1732.8	1737.6	1740.1	1735.1
20°	1651.6	1666.4	1661.5	1671.2	1681.1	1688.5	1688.5	1681.1
22.5°	1577.9	1597.5	1595.1	1602.5	1614.8	1617.2	1622.1	1617.2
25°	1496.8	1511.5	1509.0	1516.4	1531.1	1531.1	1533.6	1533.6
27.5°	1403.4	1418.1	1415.6	1420.6	1430.4	1432.9	1435.4	1430.4
30°	1302.6	1310.0	1310.0	1317.4	1324.8	1327.2	1327.2	1319.9
32.5°	1192.0	1201.9	1206.8	1204.2	1211.6	1216.6	1214.1	1214.1
35°	1091.2	1093.8	1096.1	1098.6	1101.1	1106.0	1101.1	1098.6
37.5°	983.1	990.5	985.5	990.5	995.4	992.9	990.5	990.5
40°	884.8	887.2	882.4	887.2	889.8	889.8	889.8	884.8
42.5°	786.5	791.4	786.5	791.4	791.4	791.4	791.4	789.0
45°	688.1	693.1	693.1	695.5	695.5	693.1	693.1	693.1
47.5°	597.2	602.1	597.2	602.1	604.6	599.8	599.8	599.8
50°	511.2	508.8	508.8	511.2	511.2	511.2	511.2	508.8
52.5°	422.8	425.2	425.2	425.2	427.6	425.2	427.6	427.6
55°	346.5	346.5	346.5	349.0	346.5	346.5	349.0	351.5
57.5°	277.8	275.2	272.8	272.8	275.2	272.8	272.8	272.8
60°	213.9	211.4	208.9	208.9	208.9	208.9	208.9	206.5
62.5°	159.8	159.8	159.8	162.2	162.2	162.2	162.2	164.6
65°	127.8	127.8	127.8	127.8	127.8	127.8	127.8	130.2
67.5°	103.2	103.2	103.2	105.6	105.6	105.6	105.6	105.6
70°	86.0	86.0	88.5	86.0	88.5	88.5	88.5	88.5
72.5°	59.0	59.0	59.0	59.0	59.0	56.5	59.0	56.5
75°	24.6	24.6	24.6	24.6	24.6	24.6	24.6	22.1
77.5°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
80°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
82.5°	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	0.0
87.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180° - - 45°-225° - - - - 90°-270°













(END OF REPORT)