

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: io LED

Report Number: P212817

Luminaire Tested: **LD6B30D010 EU6B30509035 6LBSWLI1**

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: io LED
Catalog Number: LD6B30D010 EU6B30509035 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: 2446.0 lumens
Efficiency: N/A
Efficacy: 87.4 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

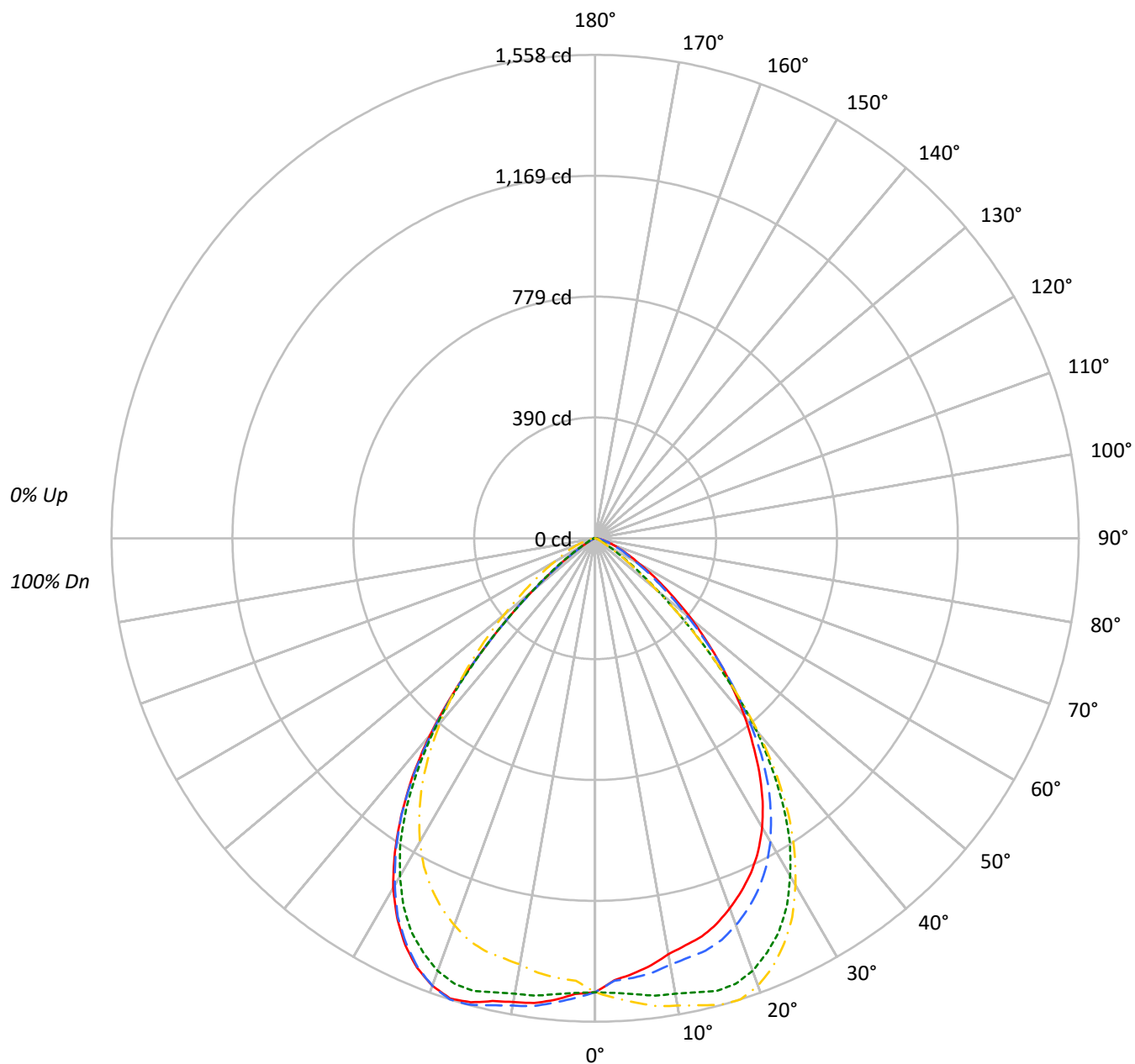
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P212817

CATALOG NUMBER: LD6B30D010 EU6B30509035 6LBSWLI1

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	103	110	107	104	102	103	100	99		99	97	96		95
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88
3	98	91	84	80	96	89	84	79	86	82	78		84	80	76		81
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		70
6	81	70	63	57	79	69	62	57	67	61	57		66	60	56		64
7	76	64	57	52	74	64	57	52	62	56	52		61	56	51		60
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56
9	67	55	48	44	66	55	48	44	54	48	43		53	47	43		52
10	63	52	45	40	62	51	45	40	50	44	40		49	44	40		49

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	80202	80202	80202	80202
5°	77509	81163	82192	81163
10°	75750	82953	84473	82953
15°	75392	85738	87861	85738
20°	74020	86539	89520	86539
25°	71907	84682	87562	84682
30°	68137	79563	82367	79563
35°	61777	70892	72832	70892
40°	53629	57773	59232	57773
45°	43966	39872	40136	39872
50°	34566	22370	21935	22370
55°	25557	11068	9930	11068
60°	18113	4857	3552	4857
65°	13477	3087	2205	3087
70°	9825	2452	1635	2452
75°	7223	1800	1080	1800
80°	4830	1610	537	1610
85°	3208	1069	1069	1069



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CATALOG NUMBER: LD6B30D010 EU6B30509035 6LBSWLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.1	5.7
10°-20°	414.8	17.0
20°-30°	619.0	25.3
30°-40°	636.0	26.0
40°-50°	411.8	16.8
50°-60°	153.1	6.3
60°-70°	50.2	2.1
70°-80°	17.7	0.7
80°-90°	3.2	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°	1173.9	48.0
0°-40°	1809.8	74.0
0°-60°	2374.8	97.1
0°-90°	2446.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2446.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1463	1463	1463	1463	1463	
5°	1408	1475	1494	1475	1408	133
15°	1328	1511	1548	1511	1328	374
25°	1189	1400	1448	1400	1189	545
35°	923	1059	1088	1059	923	573
45°	567	514	518	514	567	439
55°	267	116	104	116	267	244
65°	104	24	17	24	104	106
75°	34	8	5	8	34	37
85°	5	2	2	2	5	7
90°	0	0	0	0	0	



TEST NUMBER: P212817

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0
2.5°	1425.5	1445.9	1432.3	1440.8	1427.2	1427.2	1454.5	1439.1	1451.0	1439.1	1427.2
5°	1408.5	1434.0	1417.0	1425.5	1413.6	1415.3	1440.8	1428.9	1440.8	1432.3	1422.1
7.5°	1388.0	1413.6	1398.3	1406.8	1394.8	1398.3	1425.5	1413.6	1427.2	1418.7	1411.9
10°	1360.8	1388.0	1374.4	1382.9	1372.7	1374.4	1401.7	1393.1	1405.1	1400.0	1394.8
12.5°	1343.8	1369.3	1354.0	1362.5	1355.7	1359.1	1384.6	1377.8	1393.1	1388.0	1384.6
15°	1328.4	1352.3	1338.6	1347.2	1342.1	1343.8	1371.0	1364.2	1381.2	1377.8	1376.1
17.5°	1302.9	1328.4	1313.1	1323.3	1318.2	1319.9	1347.2	1342.1	1359.1	1359.1	1357.4
20°	1268.8	1294.4	1282.4	1289.3	1285.8	1289.3	1313.1	1309.7	1326.7	1326.7	1326.7
22.5°	1231.3	1256.9	1243.3	1250.1	1246.7	1251.8	1273.9	1273.9	1287.6	1289.3	1291.0
25°	1188.8	1214.3	1200.7	1209.2	1205.8	1209.2	1229.6	1231.3	1243.3	1243.3	1246.7
27.5°	1137.7	1163.2	1149.6	1156.4	1154.7	1156.4	1178.6	1182.0	1188.8	1190.5	1193.9
30°	1076.4	1100.2	1086.6	1093.4	1093.4	1093.4	1115.5	1117.2	1124.1	1125.8	1129.2
32.5°	1004.8	1025.3	1015.1	1021.9	1020.2	1023.6	1038.9	1045.7	1054.2	1052.5	1054.2
35°	923.1	945.2	935.0	940.1	941.8	946.9	957.1	965.7	967.4	969.1	972.5
37.5°	834.5	856.7	846.4	851.6	853.3	863.5	866.9	875.4	878.8	878.8	878.8
40°	749.4	759.6	751.1	756.2	757.9	766.4	769.8	776.6	780.0	778.3	776.6
42.5°	657.4	665.9	657.4	662.5	662.5	669.3	671.0	679.5	679.5	676.1	671.0
45°	567.1	575.7	567.1	570.5	570.5	577.4	577.4	577.4	580.8	575.7	567.1
47.5°	482.0	490.5	482.0	485.4	483.7	488.8	487.1	488.8	483.7	480.3	470.1
50°	405.3	408.7	405.3	403.6	405.3	408.7	407.0	407.0	400.2	395.1	383.2
52.5°	330.4	335.5	330.4	330.4	330.4	333.8	333.8	332.1	325.3	318.5	306.6
55°	267.4	270.8	269.1	267.4	267.4	270.8	267.4	267.4	260.6	255.5	243.5
57.5°	212.9	214.6	212.9	212.9	212.9	214.6	214.6	211.2	206.1	201.0	192.5
60°	165.2	166.9	166.9	165.2	165.2	168.6	168.6	166.9	161.8	158.4	149.9
62.5°	131.1	131.1	131.1	131.1	131.1	132.8	132.8	132.8	129.4	126.0	119.2
65°	103.9	105.6	103.9	103.9	105.6	107.3	105.6	107.3	103.9	102.2	97.1
67.5°	80.0	81.7	80.0	81.7	81.7	83.5	81.7	83.5	80.0	78.3	74.9
70°	61.3	61.3	61.3	61.3	61.3	63.0	61.3	63.0	61.3	59.6	56.2
72.5°	46.0	46.0	47.7	47.7	46.0	47.7	46.0	46.0	46.0	44.3	42.6
75°	34.1	34.1	35.8	34.1	34.1	34.1	34.1	34.1	32.4	32.4	30.7
77.5°	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	22.1	22.1	20.4
80°	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	13.6	13.6
82.5°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	8.5	8.5
85°	5.1	5.1	5.1	6.8	5.1	5.1	5.1	5.1	5.1	5.1	5.1
87.5°	1.7	1.7	1.7	3.4	1.7	1.7	3.4	3.4	1.7	1.7	1.7
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: LD6B30D010 EU6B30509035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0
2.5°	1440.8	1445.9	1445.9	1440.8	1452.8	1442.5	1463.0	1444.2	1449.3	1466.4	1464.7
5°	1435.7	1442.5	1444.2	1440.8	1456.2	1447.6	1468.1	1449.3	1457.9	1474.9	1474.9
7.5°	1428.9	1437.4	1440.8	1444.2	1457.9	1449.3	1473.2	1454.5	1466.4	1486.8	1485.1
10°	1413.6	1425.5	1432.3	1437.4	1451.0	1445.9	1471.5	1456.2	1466.4	1490.2	1488.5
12.5°	1405.1	1418.7	1428.9	1437.4	1452.8	1449.3	1474.9	1461.3	1474.9	1498.7	1498.7
15°	1398.3	1413.6	1425.5	1440.8	1456.2	1452.8	1480.0	1468.1	1481.7	1510.7	1509.0
17.5°	1381.2	1400.0	1411.9	1428.9	1444.2	1442.5	1471.5	1463.0	1478.3	1505.5	1507.3
20°	1352.3	1369.3	1382.9	1403.4	1420.4	1417.0	1447.6	1439.1	1454.5	1483.4	1485.1
22.5°	1314.8	1331.8	1345.5	1367.6	1382.9	1381.2	1411.9	1403.4	1418.7	1445.9	1447.6
25°	1270.5	1285.8	1299.5	1319.9	1336.9	1336.9	1364.2	1355.7	1372.7	1400.0	1400.0
27.5°	1216.0	1229.6	1241.6	1265.4	1279.0	1279.0	1304.6	1296.1	1313.1	1336.9	1335.2
30°	1149.6	1161.5	1171.7	1192.2	1204.1	1205.8	1227.9	1219.4	1236.5	1256.9	1256.9
32.5°	1069.6	1081.5	1088.3	1113.8	1122.3	1120.6	1137.7	1129.2	1146.2	1168.3	1163.2
35°	984.4	989.5	994.6	1020.2	1023.6	1016.8	1033.8	1025.3	1037.2	1059.3	1055.9
37.5°	887.3	889.0	889.0	911.2	912.9	907.8	918.0	907.8	916.3	936.7	935.0
40°	780.0	778.3	776.6	793.6	791.9	781.7	788.5	780.0	791.9	807.3	798.8
42.5°	671.0	665.9	659.1	667.6	660.8	652.3	655.7	642.1	650.6	662.5	652.3
45°	563.7	553.5	539.9	541.6	533.1	522.9	517.7	504.1	502.4	514.3	505.8
47.5°	463.2	442.8	430.9	424.1	410.4	401.9	391.7	376.4	369.6	376.4	367.9
50°	373.0	352.5	337.2	321.9	308.3	298.0	281.0	270.8	260.6	262.3	255.5
52.5°	294.6	281.0	255.5	243.5	229.9	218.0	202.7	190.7	178.8	178.8	172.0
55°	233.3	214.6	197.6	180.5	166.9	156.7	141.4	129.4	117.5	115.8	109.0
57.5°	180.5	166.9	148.2	131.1	122.6	112.4	97.1	83.5	76.6	71.5	66.4
60°	139.7	126.0	110.7	97.1	86.9	80.0	64.7	54.5	47.7	44.3	39.2
62.5°	112.4	100.5	86.9	73.2	66.4	59.6	47.7	39.2	32.4	29.0	25.5
65°	90.3	80.0	69.8	59.6	54.5	47.7	39.2	32.4	27.2	23.8	20.4
67.5°	69.8	63.0	54.5	47.7	42.6	37.5	30.7	25.5	22.1	18.7	17.0
70°	52.8	47.7	42.6	35.8	32.4	29.0	23.8	18.7	17.0	15.3	13.6
72.5°	40.9	35.8	30.7	27.2	23.8	22.1	18.7	15.3	13.6	11.9	10.2
75°	27.2	25.5	22.1	18.7	17.0	15.3	13.6	11.9	10.2	8.5	8.5
77.5°	18.7	17.0	15.3	13.6	11.9	11.9	10.2	8.5	6.8	6.8	5.1
80°	11.9	10.2	10.2	8.5	8.5	8.5	6.8	5.1	5.1	5.1	3.4
82.5°	8.5	6.8	6.8	5.1	5.1	5.1	5.1	3.4	3.4	3.4	1.7
85°	5.1	3.4	3.4	3.4	3.4	3.4	3.4	1.7	1.7	1.7	1.7
87.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	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: LD6B30D010 EU6B30509035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0
2.5°	1451.0	1466.4	1466.4	1480.0	1481.7	1478.3	1463.0	1463.0	1483.4	1495.3	1474.9
5°	1464.7	1480.0	1480.0	1493.6	1500.4	1495.3	1480.0	1481.7	1502.1	1515.8	1495.3
7.5°	1476.6	1491.9	1495.3	1510.7	1515.8	1510.7	1495.3	1498.7	1520.9	1532.8	1512.4
10°	1481.7	1497.0	1498.7	1515.8	1522.6	1515.8	1503.8	1505.5	1529.4	1537.9	1519.2
12.5°	1493.6	1509.0	1509.0	1527.7	1534.5	1529.4	1514.1	1517.5	1541.3	1549.8	1531.1
15°	1505.5	1520.9	1520.9	1541.3	1549.8	1543.0	1531.1	1532.8	1556.6	1565.2	1549.8
17.5°	1505.5	1519.2	1519.2	1541.3	1549.8	1544.7	1531.1	1532.8	1558.3	1565.2	1549.8
20°	1483.4	1498.7	1495.3	1517.5	1526.0	1520.9	1509.0	1509.0	1534.5	1541.3	1526.0
22.5°	1447.6	1461.3	1457.9	1478.3	1488.5	1481.7	1471.5	1469.8	1495.3	1502.1	1486.8
25°	1398.3	1411.9	1408.5	1428.9	1439.1	1430.6	1418.7	1420.4	1440.8	1451.0	1437.4
27.5°	1340.3	1348.9	1343.8	1364.2	1374.4	1365.9	1354.0	1355.7	1376.1	1382.9	1372.7
30°	1262.0	1268.8	1263.7	1280.7	1287.6	1282.4	1272.2	1272.2	1291.0	1299.5	1289.3
32.5°	1168.3	1173.4	1168.3	1182.0	1195.6	1185.4	1175.1	1175.1	1195.6	1202.4	1190.5
35°	1059.3	1064.4	1061.0	1074.7	1084.9	1071.3	1062.7	1059.3	1086.6	1083.2	1076.4
37.5°	938.4	941.8	931.6	955.4	960.6	945.2	938.4	935.0	958.9	957.1	950.3
40°	802.2	805.6	798.8	815.8	817.5	805.6	800.5	795.4	819.2	817.5	812.4
42.5°	657.4	659.1	650.6	664.2	667.6	655.7	654.0	647.2	669.3	665.9	664.2
45°	507.5	507.5	500.7	510.9	514.3	504.1	500.7	499.0	514.3	514.3	510.9
47.5°	367.9	362.8	354.2	369.6	371.3	364.5	362.8	357.7	373.0	373.0	369.6
50°	252.1	250.4	248.7	252.1	253.8	245.2	250.4	245.2	253.8	253.8	253.8
52.5°	168.6	166.9	163.5	166.9	166.9	161.8	161.8	160.1	166.9	166.9	163.5
55°	105.6	103.9	102.2	103.9	103.9	98.8	102.2	98.8	102.2	102.2	100.5
57.5°	64.7	61.3	61.3	59.6	59.6	56.2	57.9	57.9	57.9	57.9	57.9
60°	37.5	35.8	34.1	34.1	34.1	32.4	32.4	32.4	32.4	32.4	32.4
62.5°	23.8	23.8	22.1	22.1	22.1	22.1	22.1	20.4	22.1	22.1	22.1
65°	20.4	18.7	18.7	18.7	18.7	17.0	17.0	17.0	17.0	17.0	17.0
67.5°	17.0	15.3	15.3	15.3	15.3	13.6	13.6	13.6	13.6	13.6	13.6
70°	13.6	11.9	11.9	11.9	11.9	11.9	10.2	11.9	11.9	10.2	10.2
72.5°	10.2	10.2	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
75°	6.8	6.8	6.8	6.8	6.8	5.1	5.1	5.1	5.1	5.1	5.1
77.5°	5.1	5.1	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
80°	3.4	3.4	3.4	3.4	3.4	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
85°	1.7	1.7	1.7	1.7	1.7	0.0	1.7	0.0	1.7	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: LD6B30D010 EU6B30509035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0
2.5°	1498.7	1481.7	1473.2	1490.2	1497.0	1488.5	1481.7	1469.8	1481.7	1488.5	1497.0
5°	1519.2	1503.8	1497.0	1509.0	1519.2	1510.7	1505.5	1493.6	1505.5	1510.7	1519.2
7.5°	1537.9	1522.6	1514.1	1526.0	1537.9	1526.0	1520.9	1510.7	1520.9	1526.0	1537.9
10°	1544.7	1527.7	1520.9	1531.1	1543.0	1531.1	1524.3	1517.5	1524.3	1531.1	1543.0
12.5°	1556.6	1539.6	1531.1	1539.6	1551.5	1539.6	1532.8	1527.7	1532.8	1539.6	1551.5
15°	1573.7	1558.3	1548.1	1556.6	1572.0	1558.3	1549.8	1548.1	1549.8	1558.3	1572.0
17.5°	1573.7	1561.8	1551.5	1558.3	1573.7	1563.5	1551.5	1554.9	1551.5	1563.5	1573.7
20°	1551.5	1539.6	1531.1	1531.1	1553.2	1539.6	1529.4	1534.5	1529.4	1539.6	1553.2
22.5°	1512.4	1502.1	1493.6	1491.9	1514.1	1502.1	1488.5	1498.7	1488.5	1502.1	1514.1
25°	1461.3	1451.0	1444.2	1440.8	1463.0	1449.3	1437.4	1447.6	1437.4	1449.3	1463.0
27.5°	1394.8	1386.3	1379.5	1374.4	1394.8	1382.9	1371.0	1381.2	1371.0	1382.9	1394.8
30°	1309.7	1304.6	1297.8	1291.0	1311.4	1299.5	1287.6	1301.2	1287.6	1299.5	1311.4
32.5°	1210.9	1207.5	1199.0	1192.2	1212.6	1199.0	1190.5	1200.7	1190.5	1199.0	1212.6
35°	1096.8	1091.7	1086.6	1074.7	1096.8	1084.9	1084.9	1088.3	1084.9	1084.9	1096.8
37.5°	969.1	965.7	958.9	948.6	967.4	958.9	955.4	965.7	955.4	958.9	967.4
40°	826.0	824.3	819.2	807.3	827.7	819.2	814.1	827.7	814.1	819.2	827.7
42.5°	676.1	672.7	667.6	665.9	676.1	669.3	674.4	674.4	674.4	669.3	676.1
45°	521.2	517.7	514.3	507.5	519.4	516.0	514.3	517.7	514.3	516.0	519.4
47.5°	378.1	374.7	371.3	366.2	378.1	373.0	373.0	376.4	373.0	373.0	378.1
50°	253.8	255.5	253.8	250.4	253.8	252.1	253.8	257.2	253.8	252.1	253.8
52.5°	168.6	168.6	165.2	163.5	166.9	165.2	170.3	166.9	170.3	165.2	166.9
55°	102.2	103.9	102.2	100.5	102.2	100.5	105.6	103.9	105.6	100.5	102.2
57.5°	57.9	57.9	59.6	57.9	61.3	59.6	59.6	59.6	59.6	59.6	61.3
60°	32.4	32.4	32.4	32.4	32.4	32.4	34.1	32.4	34.1	32.4	32.4
62.5°	22.1	22.1	22.1	20.4	22.1	20.4	22.1	22.1	22.1	20.4	22.1
65°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
67.5°	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
70°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
72.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
75°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
77.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	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: LD6B30D010 EU6B30509035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0
2.5°	1490.2	1473.2	1481.7	1498.7	1474.9	1495.3	1483.4	1463.0	1463.0	1478.3	1481.7
5°	1509.0	1497.0	1503.8	1519.2	1495.3	1515.8	1502.1	1481.7	1480.0	1495.3	1500.4
7.5°	1526.0	1514.1	1522.6	1537.9	1512.4	1532.8	1520.9	1498.7	1495.3	1510.7	1515.8
10°	1531.1	1520.9	1527.7	1544.7	1519.2	1537.9	1529.4	1505.5	1503.8	1515.8	1522.6
12.5°	1539.6	1531.1	1539.6	1556.6	1531.1	1549.8	1541.3	1517.5	1514.1	1529.4	1534.5
15°	1556.6	1548.1	1558.3	1573.7	1549.8	1565.2	1556.6	1532.8	1531.1	1543.0	1549.8
17.5°	1558.3	1551.5	1561.8	1573.7	1549.8	1565.2	1558.3	1532.8	1531.1	1544.7	1549.8
20°	1531.1	1531.1	1539.6	1551.5	1526.0	1541.3	1534.5	1509.0	1509.0	1520.9	1526.0
22.5°	1491.9	1493.6	1502.1	1512.4	1486.8	1502.1	1495.3	1469.8	1471.5	1481.7	1488.5
25°	1440.8	1444.2	1451.0	1461.3	1437.4	1451.0	1440.8	1420.4	1418.7	1430.6	1439.1
27.5°	1374.4	1379.5	1386.3	1394.8	1372.7	1382.9	1376.1	1355.7	1354.0	1365.9	1374.4
30°	1291.0	1297.8	1304.6	1309.7	1289.3	1299.5	1291.0	1272.2	1272.2	1282.4	1287.6
32.5°	1192.2	1199.0	1207.5	1210.9	1190.5	1202.4	1195.6	1175.1	1175.1	1185.4	1195.6
35°	1074.7	1086.6	1091.7	1096.8	1076.4	1083.2	1086.6	1059.3	1062.7	1071.3	1084.9
37.5°	948.6	958.9	965.7	969.1	950.3	957.1	958.9	935.0	938.4	945.2	960.6
40°	807.3	819.2	824.3	826.0	812.4	817.5	819.2	795.4	800.5	805.6	817.5
42.5°	665.9	667.6	672.7	676.1	664.2	665.9	669.3	647.2	654.0	655.7	667.6
45°	507.5	514.3	517.7	521.2	510.9	514.3	514.3	499.0	500.7	504.1	514.3
47.5°	366.2	371.3	374.7	378.1	369.6	373.0	373.0	357.7	362.8	364.5	371.3
50°	250.4	253.8	255.5	253.8	253.8	253.8	253.8	245.2	250.4	245.2	253.8
52.5°	163.5	165.2	168.6	168.6	163.5	166.9	166.9	160.1	161.8	161.8	166.9
55°	100.5	102.2	103.9	102.2	100.5	102.2	102.2	98.8	102.2	98.8	103.9
57.5°	57.9	59.6	57.9	57.9	57.9	57.9	57.9	57.9	57.9	56.2	59.6
60°	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	34.1
62.5°	20.4	22.1	22.1	22.1	22.1	22.1	22.1	20.4	22.1	22.1	22.1
65°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	18.7
67.5°	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	15.3
70°	10.2	10.2	10.2	10.2	10.2	10.2	11.9	11.9	10.2	11.9	11.9
72.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
75°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	6.8
77.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	1.7	0.0	1.7
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: LD6B30D010 EU6B30509035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0
2.5°	1480.0	1466.4	1466.4	1451.0	1464.7	1466.4	1449.3	1444.2	1463.0	1442.5	1452.8
5°	1493.6	1480.0	1480.0	1464.7	1474.9	1474.9	1457.9	1449.3	1468.1	1447.6	1456.2
7.5°	1510.7	1495.3	1491.9	1476.6	1485.1	1486.8	1466.4	1454.5	1473.2	1449.3	1457.9
10°	1515.8	1498.7	1497.0	1481.7	1488.5	1490.2	1466.4	1456.2	1471.5	1445.9	1451.0
12.5°	1527.7	1509.0	1509.0	1493.6	1498.7	1498.7	1474.9	1461.3	1474.9	1449.3	1452.8
15°	1541.3	1520.9	1520.9	1505.5	1509.0	1510.7	1481.7	1468.1	1480.0	1452.8	1456.2
17.5°	1541.3	1519.2	1519.2	1505.5	1507.3	1505.5	1478.3	1463.0	1471.5	1442.5	1444.2
20°	1517.5	1495.3	1498.7	1483.4	1485.1	1483.4	1454.5	1439.1	1447.6	1417.0	1420.4
22.5°	1478.3	1457.9	1461.3	1447.6	1447.6	1445.9	1418.7	1403.4	1411.9	1381.2	1382.9
25°	1428.9	1408.5	1411.9	1398.3	1400.0	1400.0	1372.7	1355.7	1364.2	1336.9	1336.9
27.5°	1364.2	1343.8	1348.9	1340.3	1335.2	1336.9	1313.1	1296.1	1304.6	1279.0	1279.0
30°	1280.7	1263.7	1268.8	1262.0	1256.9	1256.9	1236.5	1219.4	1227.9	1205.8	1204.1
32.5°	1182.0	1168.3	1173.4	1168.3	1163.2	1168.3	1146.2	1129.2	1137.7	1120.6	1122.3
35°	1074.7	1061.0	1064.4	1059.3	1055.9	1059.3	1037.2	1025.3	1033.8	1016.8	1023.6
37.5°	955.4	931.6	941.8	938.4	935.0	936.7	916.3	907.8	918.0	907.8	912.9
40°	815.8	798.8	805.6	802.2	798.8	807.3	791.9	780.0	788.5	781.7	791.9
42.5°	664.2	650.6	659.1	657.4	652.3	662.5	650.6	642.1	655.7	652.3	660.8
45°	510.9	500.7	507.5	507.5	505.8	514.3	502.4	504.1	517.7	522.9	533.1
47.5°	369.6	354.2	362.8	367.9	367.9	376.4	369.6	376.4	391.7	401.9	410.4
50°	252.1	248.7	250.4	252.1	255.5	262.3	260.6	270.8	281.0	298.0	308.3
52.5°	166.9	163.5	166.9	168.6	172.0	178.8	178.8	190.7	202.7	218.0	229.9
55°	103.9	102.2	103.9	105.6	109.0	115.8	117.5	129.4	141.4	156.7	166.9
57.5°	59.6	61.3	61.3	64.7	66.4	71.5	76.6	83.5	97.1	112.4	122.6
60°	34.1	34.1	35.8	37.5	39.2	44.3	47.7	54.5	64.7	80.0	86.9
62.5°	22.1	22.1	23.8	23.8	25.5	29.0	32.4	39.2	47.7	59.6	66.4
65°	18.7	18.7	18.7	20.4	20.4	23.8	27.2	32.4	39.2	47.7	54.5
67.5°	15.3	15.3	15.3	17.0	17.0	18.7	22.1	25.5	30.7	37.5	42.6
70°	11.9	11.9	11.9	13.6	13.6	15.3	17.0	18.7	23.8	29.0	32.4
72.5°	8.5	8.5	10.2	10.2	10.2	11.9	13.6	15.3	18.7	22.1	23.8
75°	6.8	6.8	6.8	6.8	8.5	8.5	10.2	11.9	13.6	15.3	17.0
77.5°	3.4	3.4	5.1	5.1	5.1	6.8	6.8	8.5	10.2	11.9	11.9
80°	3.4	3.4	3.4	3.4	3.4	5.1	5.1	5.1	6.8	8.5	8.5
82.5°	1.7	1.7	1.7	1.7	1.7	3.4	3.4	3.4	5.1	5.1	5.1
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	3.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7
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: LD6B30D010 EU6B30509035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0	1463.0
2.5°	1440.8	1445.9	1445.9	1440.8	1427.2	1439.1	1451.0	1439.1	1454.5	1427.2	1427.2
5°	1440.8	1444.2	1442.5	1435.7	1422.1	1432.3	1440.8	1428.9	1440.8	1415.3	1413.6
7.5°	1444.2	1440.8	1437.4	1428.9	1411.9	1418.7	1427.2	1413.6	1425.5	1398.3	1394.8
10°	1437.4	1432.3	1425.5	1413.6	1394.8	1400.0	1405.1	1393.1	1401.7	1374.4	1372.7
12.5°	1437.4	1428.9	1418.7	1405.1	1384.6	1388.0	1393.1	1377.8	1384.6	1359.1	1355.7
15°	1440.8	1425.5	1413.6	1398.3	1376.1	1377.8	1381.2	1364.2	1371.0	1343.8	1342.1
17.5°	1428.9	1411.9	1400.0	1381.2	1357.4	1359.1	1359.1	1342.1	1347.2	1319.9	1318.2
20°	1403.4	1382.9	1369.3	1352.3	1326.7	1326.7	1326.7	1309.7	1313.1	1289.3	1285.8
22.5°	1367.6	1345.5	1331.8	1314.8	1291.0	1289.3	1287.6	1273.9	1273.9	1251.8	1246.7
25°	1319.9	1299.5	1285.8	1270.5	1246.7	1243.3	1243.3	1231.3	1229.6	1209.2	1205.8
27.5°	1265.4	1241.6	1229.6	1216.0	1193.9	1190.5	1188.8	1182.0	1178.6	1156.4	1154.7
30°	1192.2	1171.7	1161.5	1149.6	1129.2	1125.8	1124.1	1117.2	1115.5	1093.4	1093.4
32.5°	1113.8	1088.3	1081.5	1069.6	1054.2	1052.5	1054.2	1045.7	1038.9	1023.6	1020.2
35°	1020.2	994.6	989.5	984.4	972.5	969.1	967.4	965.7	957.1	946.9	941.8
37.5°	911.2	889.0	889.0	887.3	878.8	878.8	878.8	875.4	866.9	863.5	853.3
40°	793.6	776.6	778.3	780.0	776.6	778.3	780.0	776.6	769.8	766.4	757.9
42.5°	667.6	659.1	665.9	671.0	671.0	676.1	679.5	679.5	671.0	669.3	662.5
45°	541.6	539.9	553.5	563.7	567.1	575.7	580.8	577.4	577.4	577.4	570.5
47.5°	424.1	430.9	442.8	463.2	470.1	480.3	483.7	488.8	487.1	488.8	483.7
50°	321.9	337.2	352.5	373.0	383.2	395.1	400.2	407.0	407.0	408.7	405.3
52.5°	243.5	255.5	281.0	294.6	306.6	318.5	325.3	332.1	333.8	333.8	330.4
55°	180.5	197.6	214.6	233.3	243.5	255.5	260.6	267.4	267.4	270.8	267.4
57.5°	131.1	148.2	166.9	180.5	192.5	201.0	206.1	211.2	214.6	214.6	212.9
60°	97.1	110.7	126.0	139.7	149.9	158.4	161.8	166.9	168.6	168.6	165.2
62.5°	73.2	86.9	100.5	112.4	119.2	126.0	129.4	132.8	132.8	132.8	131.1
65°	59.6	69.8	80.0	90.3	97.1	102.2	103.9	107.3	105.6	107.3	105.6
67.5°	47.7	54.5	63.0	69.8	74.9	78.3	80.0	83.5	81.7	83.5	81.7
70°	35.8	42.6	47.7	52.8	56.2	59.6	61.3	63.0	61.3	63.0	61.3
72.5°	27.2	30.7	35.8	40.9	42.6	44.3	46.0	46.0	46.0	47.7	46.0
75°	18.7	22.1	25.5	27.2	30.7	32.4	32.4	34.1	34.1	34.1	34.1
77.5°	13.6	15.3	17.0	18.7	20.4	22.1	22.1	23.8	23.8	23.8	23.8
80°	8.5	10.2	10.2	11.9	13.6	13.6	15.3	15.3	15.3	15.3	15.3
82.5°	5.1	6.8	6.8	8.5	8.5	8.5	10.2	10.2	10.2	10.2	10.2
85°	3.4	3.4	3.4	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
87.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	1.7	1.7
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: LD6B30D010 EU6B30509035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1463.0	1463.0	1463.0	1463.0
2.5°	1440.8	1432.3	1445.9	1425.5
5°	1425.5	1417.0	1434.0	1408.5
7.5°	1406.8	1398.3	1413.6	1388.0
10°	1382.9	1374.4	1388.0	1360.8
12.5°	1362.5	1354.0	1369.3	1343.8
15°	1347.2	1338.6	1352.3	1328.4
17.5°	1323.3	1313.1	1328.4	1302.9
20°	1289.3	1282.4	1294.4	1268.8
22.5°	1250.1	1243.3	1256.9	1231.3
25°	1209.2	1200.7	1214.3	1188.8
27.5°	1156.4	1149.6	1163.2	1137.7
30°	1093.4	1086.6	1100.2	1076.4
32.5°	1021.9	1015.1	1025.3	1004.8
35°	940.1	935.0	945.2	923.1
37.5°	851.6	846.4	856.7	834.5
40°	756.2	751.1	759.6	749.4
42.5°	662.5	657.4	665.9	657.4
45°	570.5	567.1	575.7	567.1
47.5°	485.4	482.0	490.5	482.0
50°	403.6	405.3	408.7	405.3
52.5°	330.4	330.4	335.5	330.4
55°	267.4	269.1	270.8	267.4
57.5°	212.9	212.9	214.6	212.9
60°	165.2	166.9	166.9	165.2
62.5°	131.1	131.1	131.1	131.1
65°	103.9	103.9	105.6	103.9
67.5°	81.7	80.0	81.7	80.0
70°	61.3	61.3	61.3	61.3
72.5°	47.7	47.7	46.0	46.0
75°	34.1	35.8	34.1	34.1
77.5°	23.8	23.8	23.8	23.8
80°	15.3	15.3	15.3	15.3
82.5°	10.2	10.2	10.2	10.2
85°	6.8	5.1	5.1	5.1
87.5°	3.4	1.7	1.7	1.7
90°	0.0	0.0	0.0	0.0



Report Generated By E9808895 / USPTCWHP6082093





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





















(END OF REPORT)