

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: P212820

Luminaire Tested: **LE\_6B30D010 EC6B30509727 6LBSWL11**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212820  
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 EC6B30509727 6LBSWL1  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 97CRI / 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2520.6 lumens  
Efficiency: N/A  
Efficacy: 90.0 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

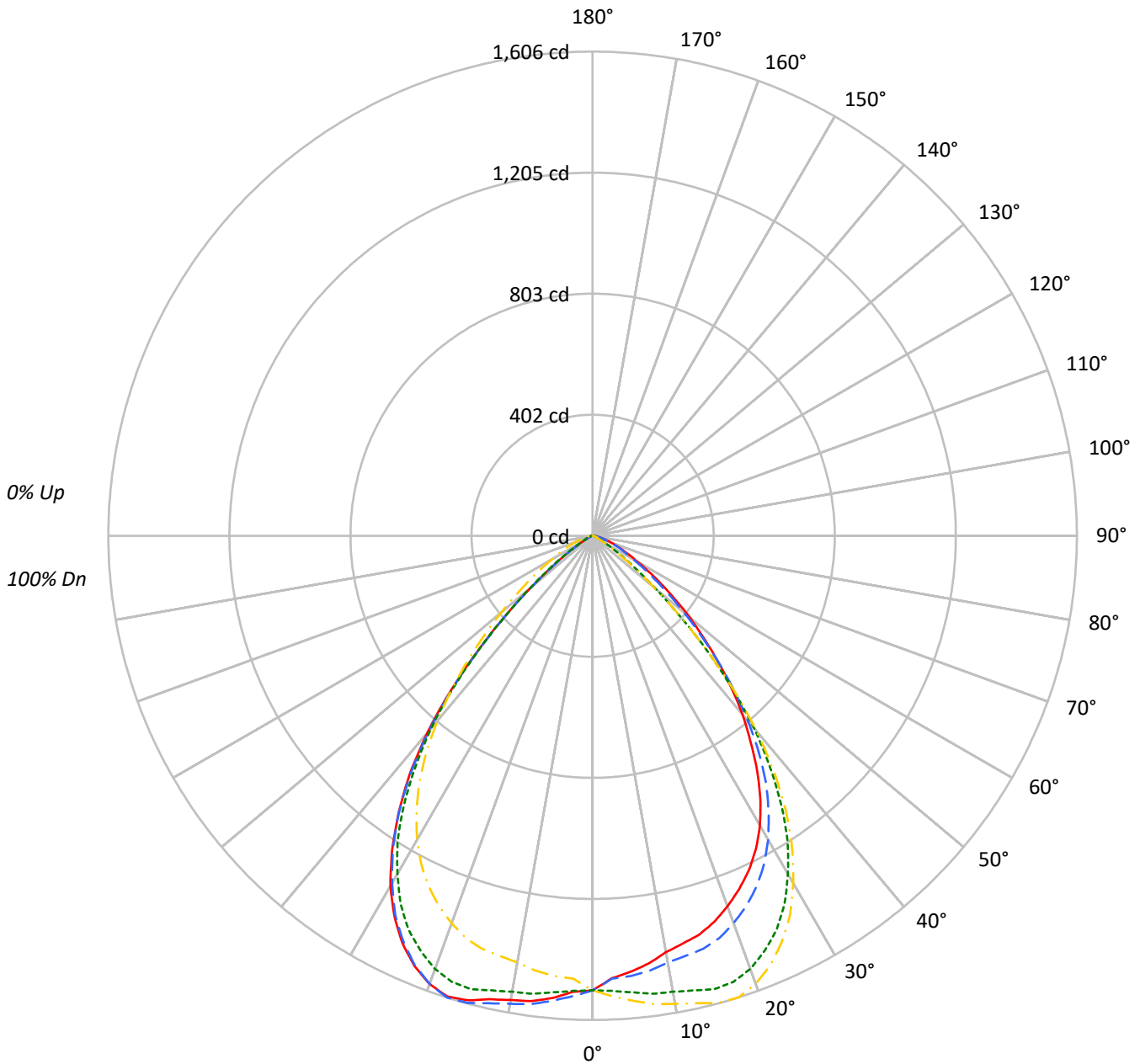
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P212820

CATALOG NUMBER: LE\_6B30D010 EC6B30509727 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	98	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°	82647	82647	82647	82647
5°	79875	83639	84702	83639
10°	78066	85492	87050	85492
15°	77696	88355	90545	88355
20°	76277	89188	92256	89188
25°	74097	87271	90241	87271
30°	70213	81987	84880	81987
35°	63657	73053	75054	73053
40°	55261	59533	61043	59533
45°	45315	41090	41361	41090
50°	35632	23044	22601	23044
55°	26331	11412	10227	11412
60°	18661	5000	3662	5000
65°	13880	3191	2270	3191
70°	10114	2532	1683	2532
75°	7434	1864	1101	1864
80°	4988	1642	568	1642
85°	3271	1132	1132	1132



TEST NUMBER: P212820

CATALOG NUMBER: LE\_6B30D010 EC6B30509727 6LBSWLI1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.3	5.7
10°-20°	427.5	17.0
20°-30°	637.9	25.3
30°-40°	655.4	26.0
40°-50°	424.4	16.8
50°-60°	157.8	6.3
60°-70°	51.8	2.1
70°-80°	18.3	0.7
80°-90°	3.3	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°	1209.7	48.0
0°-40°	1865.1	74.0
0°-60°	2447.3	97.1
0°-90°	2520.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2520.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1508	1508	1508	1508	1508	
5°	1452	1520	1539	1520	1452	137
15°	1369	1557	1595	1557	1369	385
25°	1225	1443	1492	1443	1225	561
35°	951	1092	1122	1092	951	591
45°	584	530	534	530	584	452
55°	276	119	107	119	276	251
65°	107	25	18	25	107	109
75°	35	9	5	9	35	39
85°	5	2	2	2	5	7
90°	0	0	0	0	0	



TEST NUMBER: P212820

CATALOG NUMBER: LE\_6B30D010 EC6B30509727 6LBSWL11

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6
2.5°	1469.0	1490.1	1476.0	1484.8	1470.8	1470.8	1498.9	1483.0	1495.4	1483.0	1470.8
5°	1451.5	1477.8	1460.2	1469.0	1456.8	1458.5	1484.8	1472.5	1484.8	1476.0	1465.5
7.5°	1430.4	1456.8	1440.9	1449.8	1437.4	1440.9	1469.0	1456.8	1470.8	1462.0	1455.0
10°	1402.4	1430.4	1416.4	1425.1	1414.6	1416.4	1444.5	1435.6	1448.0	1442.8	1437.4
12.5°	1384.8	1411.1	1395.2	1404.1	1397.0	1400.6	1426.9	1419.9	1435.6	1430.4	1426.9
15°	1369.0	1393.5	1379.5	1388.2	1383.0	1384.8	1412.9	1405.9	1423.4	1419.9	1418.1
17.5°	1342.6	1369.0	1353.1	1363.8	1358.5	1360.2	1388.2	1383.0	1400.6	1400.6	1398.8
20°	1307.5	1333.9	1321.6	1328.6	1325.1	1328.6	1353.1	1349.6	1367.2	1367.2	1367.2
22.5°	1268.9	1295.2	1281.2	1288.2	1284.8	1290.0	1312.8	1312.8	1326.9	1328.6	1330.4
25°	1225.0	1251.4	1237.4	1246.1	1242.6	1246.1	1267.1	1268.9	1281.2	1281.2	1284.8
27.5°	1172.4	1198.8	1184.8	1191.8	1190.0	1191.8	1214.5	1218.0	1225.0	1226.9	1230.4
30°	1109.2	1133.8	1119.8	1126.8	1126.8	1126.8	1149.6	1151.4	1158.4	1160.1	1163.6
32.5°	1035.5	1056.6	1046.0	1053.0	1051.2	1054.9	1070.6	1077.6	1086.4	1084.6	1086.4
35°	951.2	974.1	963.5	968.9	970.6	975.9	986.4	995.1	996.9	998.6	1002.1
37.5°	860.0	882.9	872.2	877.5	879.2	889.9	893.4	902.1	905.6	905.6	905.6
40°	772.2	782.8	774.0	779.2	781.0	789.8	793.2	800.4	803.9	802.1	800.4
42.5°	677.5	686.2	677.5	682.8	682.8	689.8	691.5	700.2	700.2	696.8	691.5
45°	584.5	593.2	584.5	588.0	588.0	595.0	595.0	595.0	598.5	593.2	584.5
47.5°	496.8	505.5	496.8	500.2	498.5	503.8	502.0	503.8	498.5	494.9	484.4
50°	417.8	421.2	417.8	416.0	417.8	421.2	419.5	419.5	412.5	407.1	394.9
52.5°	340.5	345.8	340.5	340.5	340.5	344.0	344.0	342.2	335.2	328.2	315.9
55°	275.5	279.0	277.2	275.5	275.5	279.0	275.5	275.5	268.5	263.2	251.0
57.5°	219.4	221.1	219.4	219.4	219.4	221.1	221.1	217.6	212.4	207.1	198.4
60°	170.2	172.0	172.0	170.2	170.2	173.8	173.8	172.0	166.8	163.2	154.5
62.5°	135.1	135.1	135.1	135.1	135.1	136.9	136.9	136.9	133.4	129.9	122.9
65°	107.0	108.9	107.0	107.0	108.9	110.6	108.9	110.6	107.0	105.2	100.0
67.5°	82.5	84.2	82.5	84.2	84.2	86.0	84.2	86.0	82.5	80.8	77.2
70°	63.1	63.1	63.1	63.1	63.1	65.0	63.1	65.0	63.1	61.4	57.9
72.5°	47.4	47.4	49.1	49.1	47.4	49.1	47.4	47.4	47.4	45.6	43.9
75°	35.1	35.1	36.9	35.1	35.1	35.1	35.1	35.1	33.4	33.4	31.6
77.5°	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	22.9	22.9	21.0
80°	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.0	14.0
82.5°	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	8.8	8.8
85°	5.2	5.2	5.2	7.0	5.2	5.2	5.2	5.2	5.2	5.2	5.2
87.5°	1.8	1.8	1.8	3.5	1.8	1.8	3.5	3.5	1.8	1.8	1.8
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: P212820

CATALOG NUMBER: LE\_6B30D010 EC6B30509727 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6
2.5°	1484.8	1490.1	1490.1	1484.8	1497.1	1486.6	1507.6	1488.4	1493.6	1511.1	1509.4
5°	1479.5	1486.6	1488.4	1484.8	1500.6	1491.9	1512.9	1493.6	1502.4	1519.9	1519.9
7.5°	1472.5	1481.2	1484.8	1488.4	1502.4	1493.6	1518.1	1498.9	1511.1	1532.2	1530.5
10°	1456.8	1469.0	1476.0	1481.2	1495.4	1490.1	1516.4	1500.6	1511.1	1535.8	1534.0
12.5°	1448.0	1462.0	1472.5	1481.2	1497.1	1493.6	1519.9	1505.9	1519.9	1544.5	1544.5
15°	1440.9	1456.8	1469.0	1484.8	1500.6	1497.1	1525.1	1512.9	1526.9	1556.8	1555.0
17.5°	1423.4	1442.8	1455.0	1472.5	1488.4	1486.6	1516.4	1507.6	1523.4	1551.5	1553.2
20°	1393.5	1411.1	1425.1	1446.2	1463.8	1460.2	1491.9	1483.0	1498.9	1528.8	1530.5
22.5°	1354.9	1372.5	1386.5	1409.4	1425.1	1423.4	1455.0	1446.2	1462.0	1490.1	1491.9
25°	1309.2	1325.1	1339.1	1360.2	1377.8	1377.8	1405.9	1397.0	1414.6	1442.8	1442.8
27.5°	1253.1	1267.1	1279.5	1304.0	1318.1	1318.1	1344.4	1335.6	1353.1	1377.8	1376.0
30°	1184.8	1197.0	1207.5	1228.6	1240.9	1242.6	1265.4	1256.6	1274.2	1295.2	1295.2
32.5°	1102.2	1114.5	1121.5	1147.9	1156.6	1154.9	1172.4	1163.6	1181.1	1204.0	1198.8
35°	1014.5	1019.8	1025.0	1051.2	1054.9	1047.8	1065.4	1056.6	1068.9	1091.6	1088.1
37.5°	914.4	916.1	916.1	939.0	940.8	935.5	946.0	935.5	944.2	965.2	963.5
40°	803.9	802.1	800.4	817.9	816.1	805.6	812.6	803.9	816.1	831.9	823.1
42.5°	691.5	686.2	679.2	688.0	681.0	672.2	675.8	661.6	670.5	682.8	672.2
45°	580.9	570.4	556.4	558.1	549.4	538.9	533.5	519.5	517.8	530.0	521.2
47.5°	477.4	456.4	444.0	437.0	423.0	414.2	403.6	387.9	380.9	387.9	379.1
50°	384.4	363.2	347.5	331.8	317.6	307.1	289.6	279.0	268.5	270.2	263.2
52.5°	303.6	289.6	263.2	251.0	237.0	224.6	208.9	196.6	184.2	184.2	177.2
55°	240.5	221.1	203.6	186.0	172.0	161.5	145.6	133.4	121.1	119.4	112.4
57.5°	186.0	172.0	152.8	135.1	126.4	115.9	100.0	86.0	79.0	73.8	68.5
60°	143.9	129.9	114.1	100.0	89.5	82.5	66.8	56.1	49.1	45.6	40.4
62.5°	115.9	103.5	89.5	75.5	68.5	61.4	49.1	40.4	33.4	29.9	26.4
65°	93.0	82.5	72.0	61.4	56.1	49.1	40.4	33.4	28.1	24.6	21.0
67.5°	72.0	65.0	56.1	49.1	43.9	38.6	31.6	26.4	22.9	19.2	17.5
70°	54.4	49.1	43.9	36.9	33.4	29.9	24.6	19.2	17.5	15.8	14.0
72.5°	42.1	36.9	31.6	28.1	24.6	22.9	19.2	15.8	14.0	12.2	10.5
75°	28.1	26.4	22.9	19.2	17.5	15.8	14.0	12.2	10.5	8.8	8.8
77.5°	19.2	17.5	15.8	14.0	12.2	12.2	10.5	8.8	7.0	7.0	5.2
80°	12.2	10.5	10.5	8.8	8.8	8.8	7.0	5.2	5.2	5.2	3.5
82.5°	8.8	7.0	7.0	5.2	5.2	5.2	5.2	3.5	3.5	3.5	1.8
85°	5.2	3.5	3.5	3.5	3.5	3.5	3.5	1.8	1.8	1.8	1.8
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	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: P212820

CATALOG NUMBER: LE\_6B30D010 EC6B30509727 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6
2.5°	1495.4	1511.1	1511.1	1525.1	1526.9	1523.4	1507.6	1507.6	1528.8	1541.0	1519.9
5°	1509.4	1525.1	1525.1	1539.2	1546.2	1541.0	1525.1	1526.9	1548.0	1562.0	1541.0
7.5°	1521.6	1537.5	1541.0	1556.8	1562.0	1556.8	1541.0	1544.5	1567.2	1579.6	1558.5
10°	1526.9	1542.8	1544.5	1562.0	1569.0	1562.0	1549.8	1551.5	1576.1	1584.9	1565.5
12.5°	1539.2	1555.0	1555.0	1574.4	1581.4	1576.1	1560.2	1563.8	1588.4	1597.1	1577.9
15°	1551.5	1567.2	1567.2	1588.4	1597.1	1590.1	1577.9	1579.6	1604.1	1612.9	1597.1
17.5°	1551.5	1565.5	1565.5	1588.4	1597.1	1591.9	1577.9	1579.6	1605.9	1612.9	1597.1
20°	1528.8	1544.5	1541.0	1563.8	1572.6	1567.2	1555.0	1555.0	1581.4	1588.4	1572.6
22.5°	1491.9	1505.9	1502.4	1523.4	1534.0	1526.9	1516.4	1514.6	1541.0	1548.0	1532.2
25°	1440.9	1455.0	1451.5	1472.5	1483.0	1474.2	1462.0	1463.8	1484.8	1495.4	1481.2
27.5°	1381.2	1390.0	1384.8	1405.9	1416.4	1407.6	1395.2	1397.0	1418.1	1425.1	1414.6
30°	1300.5	1307.5	1302.2	1319.9	1326.9	1321.6	1311.0	1311.0	1330.4	1339.1	1328.6
32.5°	1204.0	1209.2	1204.0	1218.0	1232.1	1221.5	1211.0	1211.0	1232.1	1239.1	1226.9
35°	1091.6	1096.9	1093.4	1107.5	1118.0	1104.0	1095.1	1091.6	1119.8	1116.2	1109.2
37.5°	967.0	970.6	960.0	984.6	989.9	974.1	967.0	963.5	988.1	986.4	979.4
40°	826.6	830.1	823.1	840.8	842.5	830.1	824.9	819.6	844.2	842.5	837.1
42.5°	677.5	679.2	670.5	684.5	688.0	675.8	674.0	666.9	689.8	686.2	684.5
45°	523.0	523.0	516.0	526.5	530.0	519.5	516.0	514.2	530.0	530.0	526.5
47.5°	379.1	373.9	365.0	380.9	382.6	375.6	373.9	368.6	384.4	384.4	380.9
50°	259.8	258.0	256.2	259.8	261.5	252.8	258.0	252.8	261.5	261.5	261.5
52.5°	173.8	172.0	168.5	172.0	172.0	166.8	166.8	165.0	172.0	172.0	168.5
55°	108.9	107.0	105.2	107.0	107.0	101.8	105.2	101.8	105.2	105.2	103.5
57.5°	66.8	63.1	63.1	61.4	61.4	57.9	59.6	59.6	59.6	59.6	59.6
60°	38.6	36.9	35.1	35.1	35.1	33.4	33.4	33.4	33.4	33.4	33.4
62.5°	24.6	24.6	22.9	22.9	22.9	22.9	22.9	21.0	22.9	22.9	22.9
65°	21.0	19.2	19.2	19.2	19.2	17.5	17.5	17.5	17.5	17.5	17.5
67.5°	17.5	15.8	15.8	15.8	15.8	14.0	14.0	14.0	14.0	14.0	14.0
70°	14.0	12.2	12.2	12.2	12.2	12.2	10.5	12.2	12.2	10.5	10.5
72.5°	10.5	10.5	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
75°	7.0	7.0	7.0	7.0	7.0	5.2	5.2	5.2	5.2	5.2	5.2
77.5°	5.2	5.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
80°	3.5	3.5	3.5	3.5	3.5	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
85°	1.8	1.8	1.8	1.8	1.8	0.0	1.8	0.0	1.8	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: P212820

CATALOG NUMBER: LE\_6B30D010 EC6B30509727 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6
2.5°	1544.5	1526.9	1518.1	1535.8	1542.8	1534.0	1526.9	1514.6	1526.9	1534.0	1542.8
5°	1565.5	1549.8	1542.8	1555.0	1565.5	1556.8	1551.5	1539.2	1551.5	1556.8	1565.5
7.5°	1584.9	1569.0	1560.2	1572.6	1584.9	1572.6	1567.2	1556.8	1567.2	1572.6	1584.9
10°	1591.9	1574.4	1567.2	1577.9	1590.1	1577.9	1570.8	1563.8	1570.8	1577.9	1590.1
12.5°	1604.1	1586.6	1577.9	1586.6	1598.9	1586.6	1579.6	1574.4	1579.6	1586.6	1598.9
15°	1621.8	1605.9	1595.4	1604.1	1620.0	1605.9	1597.1	1595.4	1597.1	1605.9	1620.0
17.5°	1621.8	1609.4	1598.9	1605.9	1621.8	1611.1	1598.9	1602.4	1598.9	1611.1	1621.8
20°	1598.9	1586.6	1577.9	1577.9	1600.6	1586.6	1576.1	1581.4	1576.1	1586.6	1600.6
22.5°	1558.5	1548.0	1539.2	1537.5	1560.2	1548.0	1534.0	1544.5	1534.0	1548.0	1560.2
25°	1505.9	1495.4	1488.4	1484.8	1507.6	1493.6	1481.2	1491.9	1481.2	1493.6	1507.6
27.5°	1437.4	1428.6	1421.6	1416.4	1437.4	1425.1	1412.9	1423.4	1412.9	1425.1	1437.4
30°	1349.6	1344.4	1337.4	1330.4	1351.4	1339.1	1326.9	1340.9	1326.9	1339.1	1351.4
32.5°	1247.9	1244.4	1235.6	1228.6	1249.6	1235.6	1226.9	1237.4	1226.9	1235.6	1249.6
35°	1130.2	1125.0	1119.8	1107.5	1130.2	1118.0	1118.0	1121.5	1118.0	1118.0	1130.2
37.5°	998.6	995.1	988.1	977.6	996.9	988.1	984.6	995.1	984.6	988.1	996.9
40°	851.2	849.5	844.2	831.9	853.0	844.2	838.9	853.0	838.9	844.2	853.0
42.5°	696.8	693.2	688.0	686.2	696.8	689.8	695.0	695.0	695.0	689.8	696.8
45°	537.0	533.5	530.0	523.0	535.2	531.8	530.0	533.5	530.0	531.8	535.2
47.5°	389.6	386.1	382.6	377.4	389.6	384.4	384.4	387.9	384.4	384.4	389.6
50°	261.5	263.2	261.5	258.0	261.5	259.8	261.5	265.0	261.5	259.8	261.5
52.5°	173.8	173.8	170.2	168.5	172.0	170.2	175.5	172.0	175.5	170.2	172.0
55°	105.2	107.0	105.2	103.5	105.2	103.5	108.9	107.0	108.9	103.5	105.2
57.5°	59.6	59.6	61.4	59.6	63.1	61.4	61.4	61.4	61.4	61.4	63.1
60°	33.4	33.4	33.4	33.4	33.4	33.4	35.1	33.4	35.1	33.4	33.4
62.5°	22.9	22.9	22.9	21.0	22.9	21.0	22.9	22.9	22.9	21.0	22.9
65°	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
67.5°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
70°	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
72.5°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
75°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
77.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	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: P212820

CATALOG NUMBER: LE\_6B30D010 EC6B30509727 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6
2.5°	1535.8	1518.1	1526.9	1544.5	1519.9	1541.0	1528.8	1507.6	1507.6	1523.4	1526.9
5°	1555.0	1542.8	1549.8	1565.5	1541.0	1562.0	1548.0	1526.9	1525.1	1541.0	1546.2
7.5°	1572.6	1560.2	1569.0	1584.9	1558.5	1579.6	1567.2	1544.5	1541.0	1556.8	1562.0
10°	1577.9	1567.2	1574.4	1591.9	1565.5	1584.9	1576.1	1551.5	1549.8	1562.0	1569.0
12.5°	1586.6	1577.9	1586.6	1604.1	1577.9	1597.1	1588.4	1563.8	1560.2	1576.1	1581.4
15°	1604.1	1595.4	1605.9	1621.8	1597.1	1612.9	1604.1	1579.6	1577.9	1590.1	1597.1
17.5°	1605.9	1598.9	1609.4	1621.8	1597.1	1612.9	1605.9	1579.6	1577.9	1591.9	1597.1
20°	1577.9	1577.9	1586.6	1598.9	1572.6	1588.4	1581.4	1555.0	1555.0	1567.2	1572.6
22.5°	1537.5	1539.2	1548.0	1558.5	1532.2	1548.0	1541.0	1514.6	1516.4	1526.9	1534.0
25°	1484.8	1488.4	1495.4	1505.9	1481.2	1495.4	1484.8	1463.8	1462.0	1474.2	1483.0
27.5°	1416.4	1421.6	1428.6	1437.4	1414.6	1425.1	1418.1	1397.0	1395.2	1407.6	1416.4
30°	1330.4	1337.4	1344.4	1349.6	1328.6	1339.1	1330.4	1311.0	1311.0	1321.6	1326.9
32.5°	1228.6	1235.6	1244.4	1247.9	1226.9	1239.1	1232.1	1211.0	1211.0	1221.5	1232.1
35°	1107.5	1119.8	1125.0	1130.2	1109.2	1116.2	1119.8	1091.6	1095.1	1104.0	1118.0
37.5°	977.6	988.1	995.1	998.6	979.4	986.4	988.1	963.5	967.0	974.1	989.9
40°	831.9	844.2	849.5	851.2	837.1	842.5	844.2	819.6	824.9	830.1	842.5
42.5°	686.2	688.0	693.2	696.8	684.5	686.2	689.8	666.9	674.0	675.8	688.0
45°	523.0	530.0	533.5	537.0	526.5	530.0	530.0	514.2	516.0	519.5	530.0
47.5°	377.4	382.6	386.1	389.6	380.9	384.4	384.4	368.6	373.9	375.6	382.6
50°	258.0	261.5	263.2	261.5	261.5	261.5	261.5	252.8	258.0	252.8	261.5
52.5°	168.5	170.2	173.8	173.8	168.5	172.0	172.0	165.0	166.8	166.8	172.0
55°	103.5	105.2	107.0	105.2	103.5	105.2	105.2	101.8	105.2	101.8	107.0
57.5°	59.6	61.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	57.9	61.4
60°	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	35.1
62.5°	21.0	22.9	22.9	22.9	22.9	22.9	22.9	21.0	22.9	22.9	22.9
65°	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	19.2
67.5°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	15.8
70°	10.5	10.5	10.5	10.5	10.5	10.5	12.2	12.2	10.5	12.2	12.2
72.5°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
75°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	7.0
77.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.5
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	1.8	0.0	1.8
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: P212820

CATALOG NUMBER: LE\_6B30D010 EC6B30509727 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6
2.5°	1525.1	1511.1	1511.1	1495.4	1509.4	1511.1	1493.6	1488.4	1507.6	1486.6	1497.1
5°	1539.2	1525.1	1525.1	1509.4	1519.9	1519.9	1502.4	1493.6	1512.9	1491.9	1500.6
7.5°	1556.8	1541.0	1537.5	1521.6	1530.5	1532.2	1511.1	1498.9	1518.1	1493.6	1502.4
10°	1562.0	1544.5	1542.8	1526.9	1534.0	1535.8	1511.1	1500.6	1516.4	1490.1	1495.4
12.5°	1574.4	1555.0	1555.0	1539.2	1544.5	1544.5	1519.9	1505.9	1519.9	1493.6	1497.1
15°	1588.4	1567.2	1567.2	1551.5	1555.0	1556.8	1526.9	1512.9	1525.1	1497.1	1500.6
17.5°	1588.4	1565.5	1565.5	1551.5	1553.2	1551.5	1523.4	1507.6	1516.4	1486.6	1488.4
20°	1563.8	1541.0	1544.5	1528.8	1530.5	1528.8	1498.9	1483.0	1491.9	1460.2	1463.8
22.5°	1523.4	1502.4	1505.9	1491.9	1491.9	1490.1	1462.0	1446.2	1455.0	1423.4	1425.1
25°	1472.5	1451.5	1455.0	1440.9	1442.8	1442.8	1414.6	1397.0	1405.9	1377.8	1377.8
27.5°	1405.9	1384.8	1390.0	1381.2	1376.0	1377.8	1353.1	1335.6	1344.4	1318.1	1318.1
30°	1319.9	1302.2	1307.5	1300.5	1295.2	1295.2	1274.2	1256.6	1265.4	1242.6	1240.9
32.5°	1218.0	1204.0	1209.2	1204.0	1198.8	1204.0	1181.1	1163.6	1172.4	1154.9	1156.6
35°	1107.5	1093.4	1096.9	1091.6	1088.1	1091.6	1068.9	1056.6	1065.4	1047.8	1054.9
37.5°	984.6	960.0	970.6	967.0	963.5	965.2	944.2	935.5	946.0	935.5	940.8
40°	840.8	823.1	830.1	826.6	823.1	831.9	816.1	803.9	812.6	805.6	816.1
42.5°	684.5	670.5	679.2	677.5	672.2	682.8	670.5	661.6	675.8	672.2	681.0
45°	526.5	516.0	523.0	523.0	521.2	530.0	517.8	519.5	533.5	538.9	549.4
47.5°	380.9	365.0	373.9	379.1	379.1	387.9	380.9	387.9	403.6	414.2	423.0
50°	259.8	256.2	258.0	259.8	263.2	270.2	268.5	279.0	289.6	307.1	317.6
52.5°	172.0	168.5	172.0	173.8	177.2	184.2	184.2	196.6	208.9	224.6	237.0
55°	107.0	105.2	107.0	108.9	112.4	119.4	121.1	133.4	145.6	161.5	172.0
57.5°	61.4	63.1	63.1	66.8	68.5	73.8	79.0	86.0	100.0	115.9	126.4
60°	35.1	35.1	36.9	38.6	40.4	45.6	49.1	56.1	66.8	82.5	89.5
62.5°	22.9	22.9	24.6	24.6	26.4	29.9	33.4	40.4	49.1	61.4	68.5
65°	19.2	19.2	19.2	21.0	21.0	24.6	28.1	33.4	40.4	49.1	56.1
67.5°	15.8	15.8	15.8	17.5	17.5	19.2	22.9	26.4	31.6	38.6	43.9
70°	12.2	12.2	12.2	14.0	14.0	15.8	17.5	19.2	24.6	29.9	33.4
72.5°	8.8	8.8	10.5	10.5	10.5	12.2	14.0	15.8	19.2	22.9	24.6
75°	7.0	7.0	7.0	7.0	8.8	8.8	10.5	12.2	14.0	15.8	17.5
77.5°	3.5	3.5	5.2	5.2	5.2	7.0	7.0	8.8	10.5	12.2	12.2
80°	3.5	3.5	3.5	3.5	3.5	5.2	5.2	5.2	7.0	8.8	8.8
82.5°	1.8	1.8	1.8	1.8	1.8	3.5	3.5	3.5	5.2	5.2	5.2
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.5	3.5	3.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8
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: P212820

CATALOG NUMBER: LE\_6B30D010 EC6B30509727 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6
2.5°	1484.8	1490.1	1490.1	1484.8	1470.8	1483.0	1495.4	1483.0	1498.9	1470.8	1470.8
5°	1484.8	1488.4	1486.6	1479.5	1465.5	1476.0	1484.8	1472.5	1484.8	1458.5	1456.8
7.5°	1488.4	1484.8	1481.2	1472.5	1455.0	1462.0	1470.8	1456.8	1469.0	1440.9	1437.4
10°	1481.2	1476.0	1469.0	1456.8	1437.4	1442.8	1448.0	1435.6	1444.5	1416.4	1414.6
12.5°	1481.2	1472.5	1462.0	1448.0	1426.9	1430.4	1435.6	1419.9	1426.9	1400.6	1397.0
15°	1484.8	1469.0	1456.8	1440.9	1418.1	1419.9	1423.4	1405.9	1412.9	1384.8	1383.0
17.5°	1472.5	1455.0	1442.8	1423.4	1398.8	1400.6	1400.6	1383.0	1388.2	1360.2	1358.5
20°	1446.2	1425.1	1411.1	1393.5	1367.2	1367.2	1367.2	1349.6	1353.1	1328.6	1325.1
22.5°	1409.4	1386.5	1372.5	1354.9	1330.4	1328.6	1326.9	1312.8	1312.8	1290.0	1284.8
25°	1360.2	1339.1	1325.1	1309.2	1284.8	1281.2	1281.2	1268.9	1267.1	1246.1	1242.6
27.5°	1304.0	1279.5	1267.1	1253.1	1230.4	1226.9	1225.0	1218.0	1214.5	1191.8	1190.0
30°	1228.6	1207.5	1197.0	1184.8	1163.6	1160.1	1158.4	1151.4	1149.6	1126.8	1126.8
32.5°	1147.9	1121.5	1114.5	1102.2	1086.4	1084.6	1086.4	1077.6	1070.6	1054.9	1051.2
35°	1051.2	1025.0	1019.8	1014.5	1002.1	998.6	996.9	995.1	986.4	975.9	970.6
37.5°	939.0	916.1	916.1	914.4	905.6	905.6	905.6	902.1	893.4	889.9	879.2
40°	817.9	800.4	802.1	803.9	800.4	802.1	803.9	800.4	793.2	789.8	781.0
42.5°	688.0	679.2	686.2	691.5	691.5	696.8	700.2	700.2	691.5	689.8	682.8
45°	558.1	556.4	570.4	580.9	584.5	593.2	598.5	595.0	595.0	595.0	588.0
47.5°	437.0	444.0	456.4	477.4	484.4	494.9	498.5	503.8	502.0	503.8	498.5
50°	331.8	347.5	363.2	384.4	394.9	407.1	412.5	419.5	419.5	421.2	417.8
52.5°	251.0	263.2	289.6	303.6	315.9	328.2	335.2	342.2	344.0	344.0	340.5
55°	186.0	203.6	221.1	240.5	251.0	263.2	268.5	275.5	275.5	279.0	275.5
57.5°	135.1	152.8	172.0	186.0	198.4	207.1	212.4	217.6	221.1	221.1	219.4
60°	100.0	114.1	129.9	143.9	154.5	163.2	166.8	172.0	173.8	173.8	170.2
62.5°	75.5	89.5	103.5	115.9	122.9	129.9	133.4	136.9	136.9	136.9	135.1
65°	61.4	72.0	82.5	93.0	100.0	105.2	107.0	110.6	108.9	110.6	108.9
67.5°	49.1	56.1	65.0	72.0	77.2	80.8	82.5	86.0	84.2	86.0	84.2
70°	36.9	43.9	49.1	54.4	57.9	61.4	63.1	65.0	63.1	65.0	63.1
72.5°	28.1	31.6	36.9	42.1	43.9	45.6	47.4	47.4	47.4	49.1	47.4
75°	19.2	22.9	26.4	28.1	31.6	33.4	33.4	35.1	35.1	35.1	35.1
77.5°	14.0	15.8	17.5	19.2	21.0	22.9	22.9	24.6	24.6	24.6	24.6
80°	8.8	10.5	10.5	12.2	14.0	14.0	15.8	15.8	15.8	15.8	15.8
82.5°	5.2	7.0	7.0	8.8	8.8	8.8	10.5	10.5	10.5	10.5	10.5
85°	3.5	3.5	3.5	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.5	3.5	1.8	1.8
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: P212820

CATALOG NUMBER: LE\_6B30D010 EC6B30509727 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	1507.6	1507.6	1507.6	1507.6
2.5°	1484.8	1476.0	1490.1	1469.0
5°	1469.0	1460.2	1477.8	1451.5
7.5°	1449.8	1440.9	1456.8	1430.4
10°	1425.1	1416.4	1430.4	1402.4
12.5°	1404.1	1395.2	1411.1	1384.8
15°	1388.2	1379.5	1393.5	1369.0
17.5°	1363.8	1353.1	1369.0	1342.6
20°	1328.6	1321.6	1333.9	1307.5
22.5°	1288.2	1281.2	1295.2	1268.9
25°	1246.1	1237.4	1251.4	1225.0
27.5°	1191.8	1184.8	1198.8	1172.4
30°	1126.8	1119.8	1133.8	1109.2
32.5°	1053.0	1046.0	1056.6	1035.5
35°	968.9	963.5	974.1	951.2
37.5°	877.5	872.2	882.9	860.0
40°	779.2	774.0	782.8	772.2
42.5°	682.8	677.5	686.2	677.5
45°	588.0	584.5	593.2	584.5
47.5°	500.2	496.8	505.5	496.8
50°	416.0	417.8	421.2	417.8
52.5°	340.5	340.5	345.8	340.5
55°	275.5	277.2	279.0	275.5
57.5°	219.4	219.4	221.1	219.4
60°	170.2	172.0	172.0	170.2
62.5°	135.1	135.1	135.1	135.1
65°	107.0	107.0	108.9	107.0
67.5°	84.2	82.5	84.2	82.5
70°	63.1	63.1	63.1	63.1
72.5°	49.1	49.1	47.4	47.4
75°	35.1	36.9	35.1	35.1
77.5°	24.6	24.6	24.6	24.6
80°	15.8	15.8	15.8	15.8
82.5°	10.5	10.5	10.5	10.5
85°	7.0	5.2	5.2	5.2
87.5°	3.5	1.8	1.8	1.8
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)