

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: P212800

Luminaire Tested: **LE\_6B20D010 EC6B10208050 6LBSWL11**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212800  
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\_6B20D010 EC6B10208050 6LBSWL11  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2520.4 lumens  
Efficiency: N/A  
Efficacy: 121.2 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

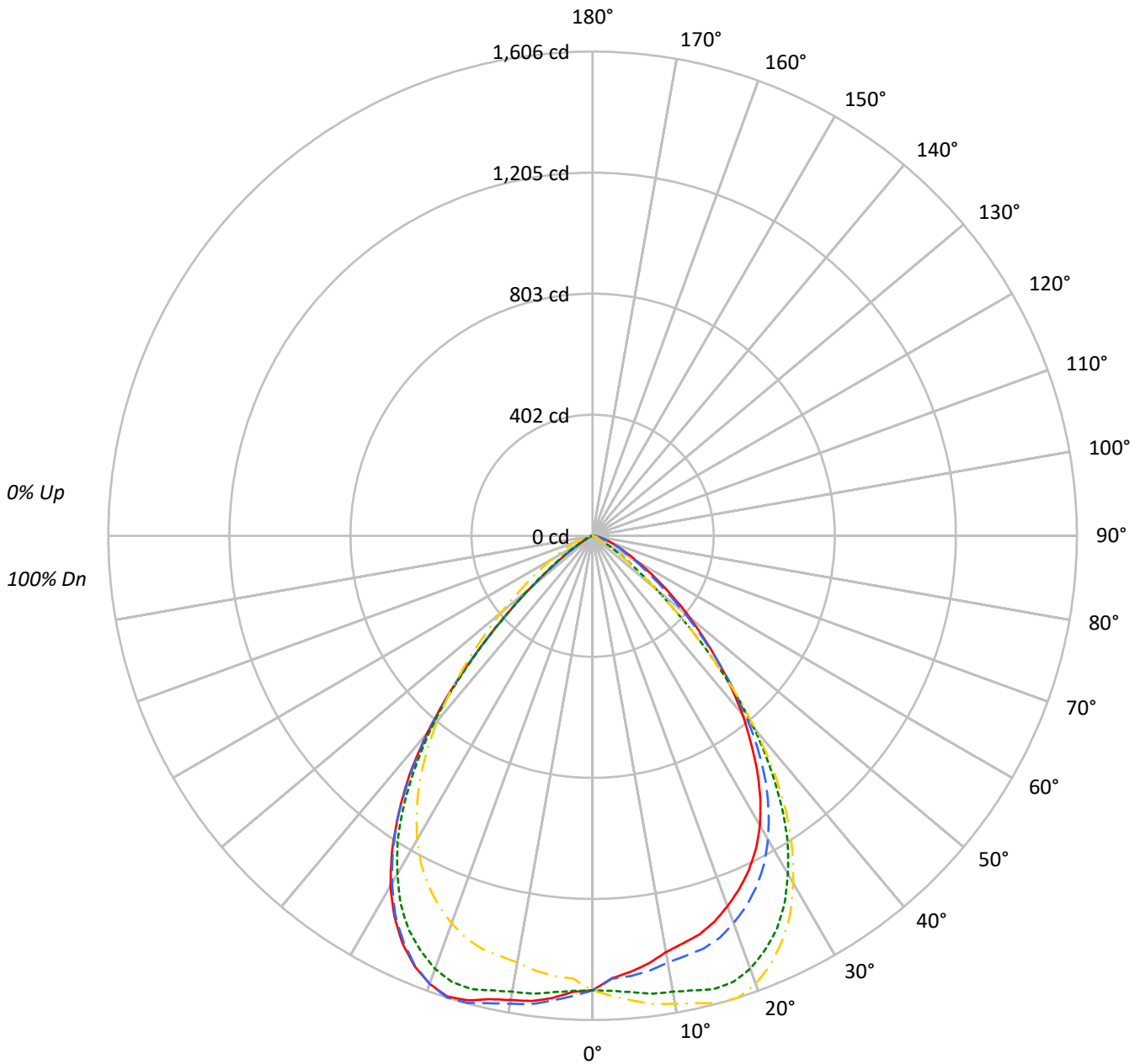
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P212800

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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	71	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°	82641	82641	82641	82641
5°	79870	83634	84696	83634
10°	78049	85475	87039	85475
15°	77691	88343	90534	88343
20°	76272	89170	92239	89170
25°	74091	87253	90223	87253
30°	70207	81981	84874	81981
35°	63651	73053	75048	73053
40°	55254	59533	61036	59533
45°	45307	41090	41361	41090
50°	35615	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: P212800

CATALOG NUMBER: LE\_6B20D010 EC6B10208050 6LBSWLI1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.3	5.7
10°-20°	427.4	17.0
20°-30°	637.8	25.3
30°-40°	655.3	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°	1209.6	48.0
0°-40°	1864.9	74.0
0°-60°	2447.1	97.1
0°-90°	2520.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2520.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1508	1508	1508	1508	1508	
5°	1451	1520	1539	1520	1451	137
15°	1369	1557	1595	1557	1369	385
25°	1225	1442	1492	1442	1225	561
35°	951	1092	1121	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: P212800

CATALOG NUMBER: LE\_6B20D010 EC6B10208050 6LBSWL11

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5
2.5°	1468.9	1489.9	1475.9	1484.6	1470.6	1470.6	1498.8	1482.9	1495.2	1482.9	1470.6
5°	1451.4	1477.6	1460.1	1468.9	1456.6	1458.4	1484.6	1472.4	1484.6	1475.9	1465.4
7.5°	1430.2	1456.6	1440.8	1449.6	1437.2	1440.8	1468.9	1456.6	1470.6	1461.9	1454.9
10°	1402.1	1430.2	1416.2	1425.0	1414.5	1416.2	1444.2	1435.5	1447.8	1442.5	1437.2
12.5°	1384.6	1411.0	1395.1	1404.0	1396.9	1400.4	1426.8	1419.8	1435.5	1430.2	1426.8
15°	1368.9	1393.4	1379.4	1388.1	1382.9	1384.6	1412.8	1405.8	1423.2	1419.8	1418.0
17.5°	1342.5	1368.9	1353.0	1363.6	1358.2	1360.1	1388.1	1382.9	1400.4	1400.4	1398.6
20°	1307.4	1333.8	1321.5	1328.5	1325.0	1328.5	1353.0	1349.5	1367.1	1367.1	1367.1
22.5°	1268.8	1295.1	1281.1	1288.1	1284.6	1289.9	1312.6	1312.6	1326.8	1328.5	1330.2
25°	1224.9	1251.2	1237.2	1246.0	1242.5	1246.0	1267.0	1268.8	1281.1	1281.1	1284.6
27.5°	1172.2	1198.6	1184.6	1191.6	1189.9	1191.6	1214.4	1217.9	1224.9	1226.8	1230.2
30°	1109.1	1133.6	1119.6	1126.6	1126.6	1126.6	1149.5	1151.2	1158.2	1160.0	1163.5
32.5°	1035.4	1056.5	1045.9	1053.0	1051.2	1054.8	1070.5	1077.5	1086.2	1084.5	1086.2
35°	951.1	974.0	963.5	968.8	970.5	975.8	986.2	995.0	996.8	998.5	1002.0
37.5°	859.9	882.8	872.2	877.5	879.2	889.8	893.2	902.0	905.5	905.5	905.5
40°	772.1	782.8	773.9	779.1	781.0	789.8	793.2	800.2	803.8	802.0	800.2
42.5°	677.4	686.1	677.4	682.6	682.6	689.6	691.5	700.2	700.2	696.8	691.5
45°	584.4	593.1	584.4	587.9	587.9	594.9	594.9	594.9	598.4	593.1	584.4
47.5°	496.6	505.4	496.6	500.1	498.4	503.6	501.9	503.6	498.4	494.9	484.4
50°	417.6	421.1	417.6	415.9	417.6	421.1	419.4	419.4	412.4	407.1	394.9
52.5°	340.5	345.8	340.5	340.5	340.5	344.0	344.0	342.2	335.2	328.1	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	198.2
60°	170.2	172.0	172.0	170.2	170.2	173.8	173.8	172.0	166.8	163.2	154.4
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	108.8	107.0	107.0	108.8	110.5	108.8	110.5	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	64.9	63.1	64.9	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: P212800

CATALOG NUMBER: LE\_6B20D010 EC6B10208050 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5
2.5°	1484.6	1489.9	1489.9	1484.6	1497.0	1486.4	1507.5	1488.1	1493.5	1511.0	1509.2
5°	1479.4	1486.4	1488.1	1484.6	1500.5	1491.6	1512.8	1493.5	1502.2	1519.8	1519.8
7.5°	1472.4	1481.1	1484.6	1488.1	1502.2	1493.5	1518.0	1498.8	1511.0	1532.0	1530.2
10°	1456.6	1468.9	1475.9	1481.1	1495.2	1489.9	1516.2	1500.5	1511.0	1535.5	1533.8
12.5°	1447.8	1461.9	1472.4	1481.1	1497.0	1493.5	1519.8	1505.8	1519.8	1544.4	1544.4
15°	1440.8	1456.6	1468.9	1484.6	1500.5	1497.0	1525.0	1512.8	1526.8	1556.6	1554.9
17.5°	1423.2	1442.5	1454.9	1472.4	1488.1	1486.4	1516.2	1507.5	1523.2	1551.4	1553.1
20°	1393.4	1411.0	1425.0	1446.0	1463.6	1460.1	1491.6	1482.9	1498.8	1528.5	1530.2
22.5°	1354.8	1372.4	1386.4	1409.2	1425.0	1423.2	1454.9	1446.0	1461.9	1489.9	1491.6
25°	1309.1	1325.0	1339.0	1360.1	1377.6	1377.6	1405.8	1396.9	1414.5	1442.5	1442.5
27.5°	1253.0	1267.0	1279.4	1303.9	1318.0	1318.0	1344.2	1335.5	1353.0	1377.6	1375.9
30°	1184.6	1196.9	1207.4	1228.5	1240.8	1242.5	1265.2	1256.5	1274.1	1295.1	1295.1
32.5°	1102.1	1114.4	1121.4	1147.8	1156.5	1154.8	1172.2	1163.5	1181.1	1203.9	1198.6
35°	1014.4	1019.6	1024.9	1051.2	1054.8	1047.8	1065.2	1056.5	1068.8	1091.6	1088.0
37.5°	914.4	916.1	916.1	938.9	940.6	935.4	945.9	935.4	944.1	965.2	963.5
40°	803.8	802.0	800.2	817.8	816.0	805.5	812.5	803.8	816.0	831.9	823.0
42.5°	691.5	686.1	679.1	687.9	680.9	672.1	675.6	661.6	670.4	682.6	672.1
45°	580.9	570.4	556.2	558.1	549.2	538.8	533.5	519.5	517.8	530.0	521.2
47.5°	477.4	456.2	444.0	437.0	422.9	414.1	403.6	387.9	380.9	387.9	379.1
50°	384.4	363.2	347.5	331.6	317.6	307.1	289.5	279.0	268.5	270.2	263.2
52.5°	303.6	289.5	263.2	251.0	236.9	224.6	208.9	196.5	184.2	184.2	177.2
55°	240.4	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	152.6	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	66.6	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	64.9	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: P212800

CATALOG NUMBER: LE\_6B20D010 EC6B10208050 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5
2.5°	1495.2	1511.0	1511.0	1525.0	1526.8	1523.2	1507.5	1507.5	1528.5	1540.9	1519.8
5°	1509.2	1525.0	1525.0	1539.1	1546.1	1540.9	1525.0	1526.8	1547.9	1561.9	1540.9
7.5°	1521.5	1537.4	1540.9	1556.6	1561.9	1556.6	1540.9	1544.4	1567.1	1579.4	1558.4
10°	1526.8	1542.6	1544.4	1561.9	1568.9	1561.9	1549.6	1551.4	1575.9	1584.8	1565.4
12.5°	1539.1	1554.9	1554.9	1574.1	1581.1	1575.9	1560.1	1563.6	1588.2	1597.0	1577.6
15°	1551.4	1567.1	1567.1	1588.2	1597.0	1590.0	1577.6	1579.4	1604.0	1612.8	1597.0
17.5°	1551.4	1565.4	1565.4	1588.2	1597.0	1591.8	1577.6	1579.4	1605.8	1612.8	1597.0
20°	1528.5	1544.4	1540.9	1563.6	1572.4	1567.1	1554.9	1554.9	1581.1	1588.2	1572.4
22.5°	1491.6	1505.8	1502.2	1523.2	1533.8	1526.8	1516.2	1514.5	1540.9	1547.9	1532.0
25°	1440.8	1454.9	1451.4	1472.4	1482.9	1474.1	1461.9	1463.6	1484.6	1495.2	1481.1
27.5°	1381.1	1389.9	1384.6	1405.8	1416.2	1407.5	1395.1	1396.9	1418.0	1425.0	1414.5
30°	1300.4	1307.4	1302.1	1319.8	1326.8	1321.5	1310.9	1310.9	1330.2	1339.0	1328.5
32.5°	1203.9	1209.1	1203.9	1217.9	1232.0	1221.4	1210.9	1210.9	1232.0	1239.0	1226.8
35°	1091.6	1096.9	1093.4	1107.4	1117.9	1103.9	1095.1	1091.6	1119.6	1116.1	1109.1
37.5°	967.0	970.5	960.0	984.5	989.8	974.0	967.0	963.5	988.0	986.2	979.2
40°	826.6	830.1	823.0	840.6	842.4	830.1	824.9	819.5	844.1	842.4	837.1
42.5°	677.4	679.1	670.4	684.4	687.9	675.6	673.9	666.9	689.6	686.1	684.4
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	373.8	365.0	380.9	382.6	375.5	373.8	368.5	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°	108.8	107.0	105.2	107.0	107.0	101.8	105.2	101.8	105.2	105.2	103.5
57.5°	66.6	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: P212800

CATALOG NUMBER: LE\_6B20D010 EC6B10208050 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5
2.5°	1544.4	1526.8	1518.0	1535.5	1542.6	1533.8	1526.8	1514.5	1526.8	1533.8	1542.6
5°	1565.4	1549.6	1542.6	1554.9	1565.4	1556.6	1551.4	1539.1	1551.4	1556.6	1565.4
7.5°	1584.8	1568.9	1560.1	1572.4	1584.8	1572.4	1567.1	1556.6	1567.1	1572.4	1584.8
10°	1591.8	1574.1	1567.1	1577.6	1590.0	1577.6	1570.6	1563.6	1570.6	1577.6	1590.0
12.5°	1604.0	1586.5	1577.6	1586.5	1598.8	1586.5	1579.4	1574.1	1579.4	1586.5	1598.8
15°	1621.5	1605.8	1595.2	1604.0	1619.8	1605.8	1597.0	1595.2	1597.0	1605.8	1619.8
17.5°	1621.5	1609.2	1598.8	1605.8	1621.5	1611.0	1598.8	1602.2	1598.8	1611.0	1621.5
20°	1598.8	1586.5	1577.6	1577.6	1600.5	1586.5	1575.9	1581.1	1575.9	1586.5	1600.5
22.5°	1558.4	1547.9	1539.1	1537.4	1560.1	1547.9	1533.8	1544.4	1533.8	1547.9	1560.1
25°	1505.8	1495.2	1488.1	1484.6	1507.5	1493.5	1481.1	1491.6	1481.1	1493.5	1507.5
27.5°	1437.2	1428.5	1421.5	1416.2	1437.2	1425.0	1412.8	1423.2	1412.8	1425.0	1437.2
30°	1349.5	1344.2	1337.2	1330.2	1351.2	1339.0	1326.8	1340.8	1326.8	1339.0	1351.2
32.5°	1247.8	1244.2	1235.5	1228.5	1249.5	1235.5	1226.8	1237.2	1226.8	1235.5	1249.5
35°	1130.1	1124.9	1119.6	1107.4	1130.1	1117.9	1117.9	1121.4	1117.9	1117.9	1130.1
37.5°	998.5	995.0	988.0	977.5	996.8	988.0	984.5	995.0	984.5	988.0	996.8
40°	851.1	849.4	844.1	831.9	852.9	844.1	838.9	852.9	838.9	844.1	852.9
42.5°	696.8	693.2	687.9	686.1	696.8	689.6	695.0	695.0	695.0	689.6	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	377.2	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	108.8	107.0	108.8	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: P212800

CATALOG NUMBER: LE\_6B20D010 EC6B10208050 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5
2.5°	1535.5	1518.0	1526.8	1544.4	1519.8	1540.9	1528.5	1507.5	1507.5	1523.2	1526.8
5°	1554.9	1542.6	1549.6	1565.4	1540.9	1561.9	1547.9	1526.8	1525.0	1540.9	1546.1
7.5°	1572.4	1560.1	1568.9	1584.8	1558.4	1579.4	1567.1	1544.4	1540.9	1556.6	1561.9
10°	1577.6	1567.1	1574.1	1591.8	1565.4	1584.8	1575.9	1551.4	1549.6	1561.9	1568.9
12.5°	1586.5	1577.6	1586.5	1604.0	1577.6	1597.0	1588.2	1563.6	1560.1	1575.9	1581.1
15°	1604.0	1595.2	1605.8	1621.5	1597.0	1612.8	1604.0	1579.4	1577.6	1590.0	1597.0
17.5°	1605.8	1598.8	1609.2	1621.5	1597.0	1612.8	1605.8	1579.4	1577.6	1591.8	1597.0
20°	1577.6	1577.6	1586.5	1598.8	1572.4	1588.2	1581.1	1554.9	1554.9	1567.1	1572.4
22.5°	1537.4	1539.1	1547.9	1558.4	1532.0	1547.9	1540.9	1514.5	1516.2	1526.8	1533.8
25°	1484.6	1488.1	1495.2	1505.8	1481.1	1495.2	1484.6	1463.6	1461.9	1474.1	1482.9
27.5°	1416.2	1421.5	1428.5	1437.2	1414.5	1425.0	1418.0	1396.9	1395.1	1407.5	1416.2
30°	1330.2	1337.2	1344.2	1349.5	1328.5	1339.0	1330.2	1310.9	1310.9	1321.5	1326.8
32.5°	1228.5	1235.5	1244.2	1247.8	1226.8	1239.0	1232.0	1210.9	1210.9	1221.4	1232.0
35°	1107.4	1119.6	1124.9	1130.1	1109.1	1116.1	1119.6	1091.6	1095.1	1103.9	1117.9
37.5°	977.5	988.0	995.0	998.5	979.2	986.2	988.0	963.5	967.0	974.0	989.8
40°	831.9	844.1	849.4	851.1	837.1	842.4	844.1	819.5	824.9	830.1	842.4
42.5°	686.1	687.9	693.2	696.8	684.4	686.1	689.6	666.9	673.9	675.6	687.9
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°	377.2	382.6	386.1	389.6	380.9	384.4	384.4	368.5	373.8	375.5	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: P212800

CATALOG NUMBER: LE\_6B20D010 EC6B10208050 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5
2.5°	1525.0	1511.0	1511.0	1495.2	1509.2	1511.0	1493.5	1488.1	1507.5	1486.4	1497.0
5°	1539.1	1525.0	1525.0	1509.2	1519.8	1519.8	1502.2	1493.5	1512.8	1491.6	1500.5
7.5°	1556.6	1540.9	1537.4	1521.5	1530.2	1532.0	1511.0	1498.8	1518.0	1493.5	1502.2
10°	1561.9	1544.4	1542.6	1526.8	1533.8	1535.5	1511.0	1500.5	1516.2	1489.9	1495.2
12.5°	1574.1	1554.9	1554.9	1539.1	1544.4	1544.4	1519.8	1505.8	1519.8	1493.5	1497.0
15°	1588.2	1567.1	1567.1	1551.4	1554.9	1556.6	1526.8	1512.8	1525.0	1497.0	1500.5
17.5°	1588.2	1565.4	1565.4	1551.4	1553.1	1551.4	1523.2	1507.5	1516.2	1486.4	1488.1
20°	1563.6	1540.9	1544.4	1528.5	1530.2	1528.5	1498.8	1482.9	1491.6	1460.1	1463.6
22.5°	1523.2	1502.2	1505.8	1491.6	1491.6	1489.9	1461.9	1446.0	1454.9	1423.2	1425.0
25°	1472.4	1451.4	1454.9	1440.8	1442.5	1442.5	1414.5	1396.9	1405.8	1377.6	1377.6
27.5°	1405.8	1384.6	1389.9	1381.1	1375.9	1377.6	1353.0	1335.5	1344.2	1318.0	1318.0
30°	1319.8	1302.1	1307.4	1300.4	1295.1	1295.1	1274.1	1256.5	1265.2	1242.5	1240.8
32.5°	1217.9	1203.9	1209.1	1203.9	1198.6	1203.9	1181.1	1163.5	1172.2	1154.8	1156.5
35°	1107.4	1093.4	1096.9	1091.6	1088.0	1091.6	1068.8	1056.5	1065.2	1047.8	1054.8
37.5°	984.5	960.0	970.5	967.0	963.5	965.2	944.1	935.4	945.9	935.4	940.6
40°	840.6	823.0	830.1	826.6	823.0	831.9	816.0	803.8	812.5	805.5	816.0
42.5°	684.4	670.4	679.1	677.4	672.1	682.6	670.4	661.6	675.6	672.1	680.9
45°	526.5	516.0	523.0	523.0	521.2	530.0	517.8	519.5	533.5	538.8	549.2
47.5°	380.9	365.0	373.8	379.1	379.1	387.9	380.9	387.9	403.6	414.1	422.9
50°	259.8	256.2	258.0	259.8	263.2	270.2	268.5	279.0	289.5	307.1	317.6
52.5°	172.0	168.5	172.0	173.8	177.2	184.2	184.2	196.5	208.9	224.6	236.9
55°	107.0	105.2	107.0	108.8	112.4	119.4	121.1	133.4	145.6	161.5	172.0
57.5°	61.4	63.1	63.1	66.6	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	66.6	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: P212800

CATALOG NUMBER: LE\_6B20D010 EC6B10208050 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5	1507.5
2.5°	1484.6	1489.9	1489.9	1484.6	1470.6	1482.9	1495.2	1482.9	1498.8	1470.6	1470.6
5°	1484.6	1488.1	1486.4	1479.4	1465.4	1475.9	1484.6	1472.4	1484.6	1458.4	1456.6
7.5°	1488.1	1484.6	1481.1	1472.4	1454.9	1461.9	1470.6	1456.6	1468.9	1440.8	1437.2
10°	1481.1	1475.9	1468.9	1456.6	1437.2	1442.5	1447.8	1435.5	1444.2	1416.2	1414.5
12.5°	1481.1	1472.4	1461.9	1447.8	1426.8	1430.2	1435.5	1419.8	1426.8	1400.4	1396.9
15°	1484.6	1468.9	1456.6	1440.8	1418.0	1419.8	1423.2	1405.8	1412.8	1384.6	1382.9
17.5°	1472.4	1454.9	1442.5	1423.2	1398.6	1400.4	1400.4	1382.9	1388.1	1360.1	1358.2
20°	1446.0	1425.0	1411.0	1393.4	1367.1	1367.1	1367.1	1349.5	1353.0	1328.5	1325.0
22.5°	1409.2	1386.4	1372.4	1354.8	1330.2	1328.5	1326.8	1312.6	1312.6	1289.9	1284.6
25°	1360.1	1339.0	1325.0	1309.1	1284.6	1281.1	1281.1	1268.8	1267.0	1246.0	1242.5
27.5°	1303.9	1279.4	1267.0	1253.0	1230.2	1226.8	1224.9	1217.9	1214.4	1191.6	1189.9
30°	1228.5	1207.4	1196.9	1184.6	1163.5	1160.0	1158.2	1151.2	1149.5	1126.6	1126.6
32.5°	1147.8	1121.4	1114.4	1102.1	1086.2	1084.5	1086.2	1077.5	1070.5	1054.8	1051.2
35°	1051.2	1024.9	1019.6	1014.4	1002.0	998.5	996.8	995.0	986.2	975.8	970.5
37.5°	938.9	916.1	916.1	914.4	905.5	905.5	905.5	902.0	893.2	889.8	879.2
40°	817.8	800.2	802.0	803.8	800.2	802.0	803.8	800.2	793.2	789.8	781.0
42.5°	687.9	679.1	686.1	691.5	691.5	696.8	700.2	700.2	691.5	689.6	682.6
45°	558.1	556.2	570.4	580.9	584.4	593.1	598.4	594.9	594.9	594.9	587.9
47.5°	437.0	444.0	456.2	477.4	484.4	494.9	498.4	503.6	501.9	503.6	498.4
50°	331.6	347.5	363.2	384.4	394.9	407.1	412.4	419.4	419.4	421.1	417.6
52.5°	251.0	263.2	289.5	303.6	315.9	328.1	335.2	342.2	344.0	344.0	340.5
55°	186.0	203.6	221.1	240.4	251.0	263.2	268.5	275.5	275.5	279.0	275.5
57.5°	135.1	152.6	172.0	186.0	198.2	207.1	212.4	217.6	221.1	221.1	219.4
60°	100.0	114.1	129.9	143.9	154.4	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	110.5	108.8	110.5	108.8
67.5°	49.1	56.1	64.9	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	64.9	63.1	64.9	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: P212800

CATALOG NUMBER: LE\_6B20D010 EC6B10208050 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	1507.5	1507.5	1507.5	1507.5
2.5°	1484.6	1475.9	1489.9	1468.9
5°	1468.9	1460.1	1477.6	1451.4
7.5°	1449.6	1440.8	1456.6	1430.2
10°	1425.0	1416.2	1430.2	1402.1
12.5°	1404.0	1395.1	1411.0	1384.6
15°	1388.1	1379.4	1393.4	1368.9
17.5°	1363.6	1353.0	1368.9	1342.5
20°	1328.5	1321.5	1333.8	1307.4
22.5°	1288.1	1281.1	1295.1	1268.8
25°	1246.0	1237.2	1251.2	1224.9
27.5°	1191.6	1184.6	1198.6	1172.2
30°	1126.6	1119.6	1133.6	1109.1
32.5°	1053.0	1045.9	1056.5	1035.4
35°	968.8	963.5	974.0	951.1
37.5°	877.5	872.2	882.8	859.9
40°	779.1	773.9	782.8	772.1
42.5°	682.6	677.4	686.1	677.4
45°	587.9	584.4	593.1	584.4
47.5°	500.1	496.6	505.4	496.6
50°	415.9	417.6	421.1	417.6
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	108.8	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)