

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: P212821

Luminaire Tested: **LE_6B30D010 EC6B30509730 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212821
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 EC6B30509730 6LBSWL11
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 97CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2634.8 lumens
Efficiency: N/A
Efficacy: 94.1 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

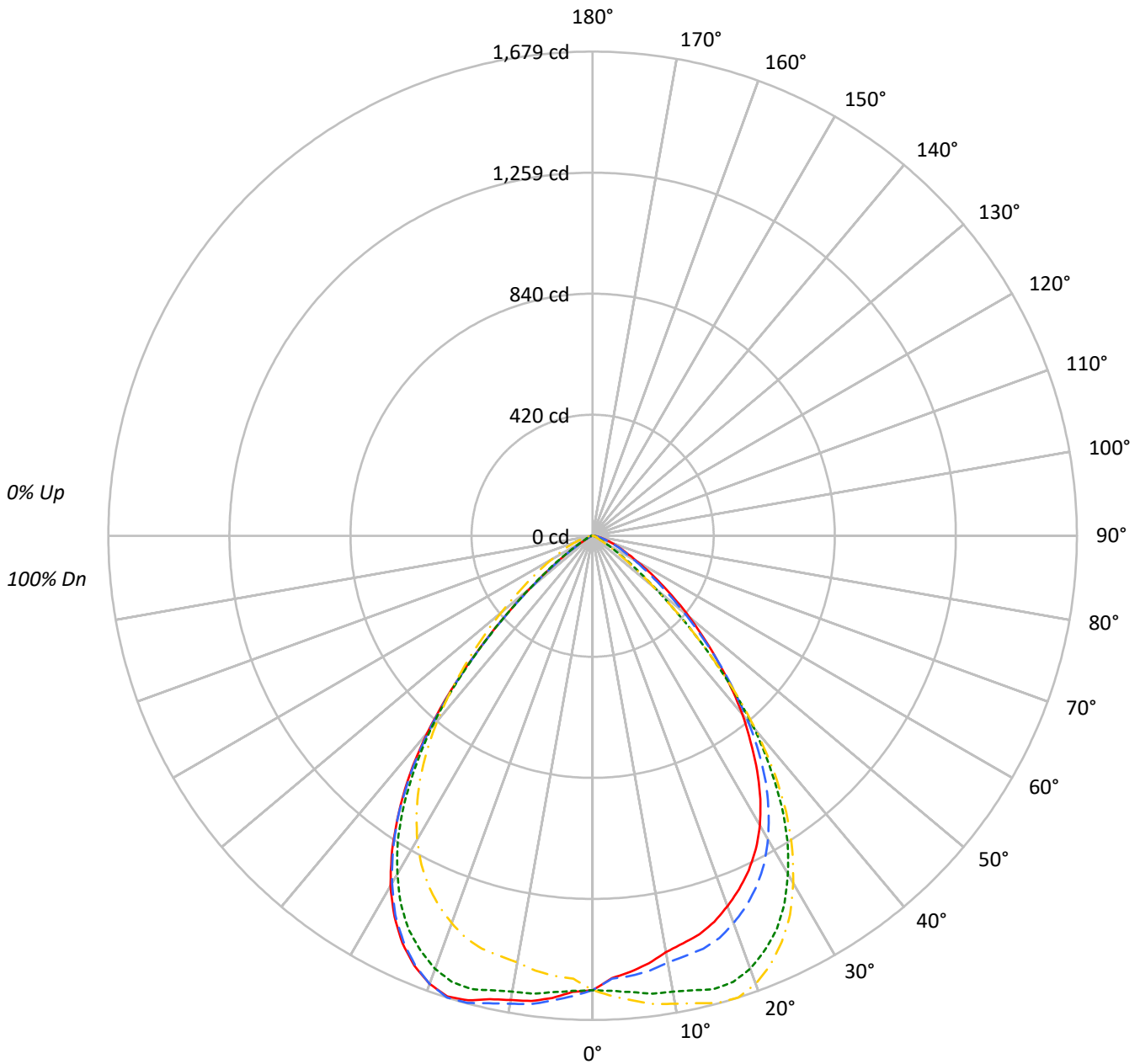
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	70	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°	86391	86391	86391	86391
5°	83491	87431	88537	87431
10°	81601	89355	90991	89355
15°	81215	92350	94643	92350
20°	79737	93219	96433	93219
25°	77454	91215	94324	91215
30°	73397	85703	88723	85703
35°	66548	76366	78447	76366
40°	57765	62231	63805	62231
45°	47362	42950	43245	42950
50°	37235	24093	23624	24093
55°	27526	11928	10695	11928
60°	19516	5241	3826	5241
65°	14515	3321	2387	3321
70°	10579	2645	1763	2645
75°	7795	1927	1165	1927
80°	5209	1736	600	1736
85°	3459	1195	1195	1195



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.9	5.7
10°-20°	446.8	17.0
20°-30°	666.8	25.3
30°-40°	685.1	26.0
40°-50°	443.6	16.8
50°-60°	165.0	6.3
60°-70°	54.1	2.1
70°-80°	19.1	0.7
80°-90°	3.4	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°	1264.5	48.0
0°-40°	1949.5	74.0
0°-60°	2558.2	97.1
0°-90°	2634.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2634.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1576	1576	1576	1576	1576	
5°	1517	1589	1609	1589	1517	143
15°	1431	1627	1668	1627	1431	402
25°	1280	1508	1559	1508	1280	587
35°	994	1141	1172	1141	994	617
45°	611	554	558	554	611	472
55°	288	125	112	125	288	263
65°	112	26	18	26	112	114
75°	37	9	6	9	37	40
85°	6	2	2	2	6	7
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9
2.5°	1535.5	1557.5	1542.9	1552.0	1537.4	1537.4	1566.8	1550.2	1563.1	1550.2	1537.4
5°	1517.2	1544.8	1526.4	1535.5	1522.8	1524.5	1552.0	1539.2	1552.0	1542.9	1531.9
7.5°	1495.1	1522.8	1506.2	1515.4	1502.5	1506.2	1535.5	1522.8	1537.4	1528.2	1520.9
10°	1465.9	1495.1	1480.5	1489.6	1478.6	1480.5	1509.9	1500.6	1513.5	1508.0	1502.5
12.5°	1447.5	1475.0	1458.5	1467.6	1460.4	1464.0	1491.5	1484.1	1500.6	1495.1	1491.5
15°	1431.0	1456.6	1442.0	1451.1	1445.6	1447.5	1476.9	1469.5	1487.9	1484.1	1482.4
17.5°	1403.5	1431.0	1414.5	1425.5	1420.0	1421.8	1451.1	1445.6	1464.0	1464.0	1462.1
20°	1366.8	1394.2	1381.5	1388.8	1385.1	1388.8	1414.5	1410.8	1429.1	1429.1	1429.1
22.5°	1326.4	1353.9	1339.2	1346.6	1342.9	1348.4	1372.2	1372.2	1387.0	1388.8	1390.6
25°	1280.5	1308.0	1293.4	1302.5	1298.9	1302.5	1324.6	1326.4	1339.2	1339.2	1342.9
27.5°	1225.5	1253.0	1238.4	1245.6	1243.9	1245.6	1269.5	1273.2	1280.5	1282.4	1286.0
30°	1159.5	1185.1	1170.5	1177.8	1177.8	1177.8	1201.6	1203.5	1210.9	1212.6	1216.4
32.5°	1082.4	1104.4	1093.4	1100.8	1098.9	1102.6	1119.1	1126.4	1135.6	1133.8	1135.6
35°	994.4	1018.2	1007.1	1012.8	1014.5	1020.0	1031.0	1040.2	1042.0	1043.9	1047.5
37.5°	899.0	922.8	911.8	917.2	919.1	930.1	933.8	943.0	946.6	946.6	946.6
40°	807.2	818.2	809.0	814.5	816.4	825.5	829.2	836.6	840.2	838.4	836.6
42.5°	708.1	717.4	708.1	713.6	713.6	721.0	722.9	732.0	732.0	728.4	722.9
45°	610.9	620.1	610.9	614.6	614.6	621.9	621.9	621.9	625.6	620.1	610.9
47.5°	519.1	528.4	519.1	522.9	521.0	526.5	524.8	526.5	521.0	517.4	506.4
50°	436.6	440.2	436.6	434.8	436.6	440.2	438.5	438.5	431.1	425.6	412.8
52.5°	355.9	361.4	355.9	355.9	355.9	359.6	359.6	357.8	350.4	343.1	330.2
55°	288.0	291.8	289.9	288.0	288.0	291.8	288.0	288.0	280.8	275.1	262.4
57.5°	229.4	231.1	229.4	229.4	229.4	231.1	231.1	227.5	222.0	216.5	207.2
60°	178.0	179.8	179.8	178.0	178.0	181.6	181.6	179.8	174.2	170.6	161.5
62.5°	141.2	141.2	141.2	141.2	141.2	143.1	143.1	143.1	139.4	135.8	128.4
65°	111.9	113.8	111.9	111.9	113.8	115.6	113.8	115.6	111.9	110.1	104.6
67.5°	86.2	88.0	86.2	88.0	88.0	89.9	88.0	89.9	86.2	84.4	80.8
70°	66.0	66.0	66.0	66.0	66.0	67.9	66.0	67.9	66.0	64.2	60.5
72.5°	49.5	49.5	51.4	51.4	49.5	51.4	49.5	49.5	49.5	47.8	45.9
75°	36.8	36.8	38.5	36.8	36.8	36.8	36.8	36.8	34.9	34.9	33.0
77.5°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	23.9	23.9	22.0
80°	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	14.6	14.6
82.5°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	9.1	9.1
85°	5.5	5.5	5.5	7.4	5.5	5.5	5.5	5.5	5.5	5.5	5.5
87.5°	1.9	1.9	1.9	3.6	1.9	1.9	3.6	3.6	1.9	1.9	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9
2.5°	1552.0	1557.5	1557.5	1552.0	1564.9	1553.9	1575.9	1555.8	1561.2	1579.6	1577.8
5°	1546.5	1553.9	1555.8	1552.0	1568.6	1559.4	1581.4	1561.2	1570.4	1588.8	1588.8
7.5°	1539.2	1548.4	1552.0	1555.8	1570.4	1561.2	1586.9	1566.8	1579.6	1601.6	1599.8
10°	1522.8	1535.5	1542.9	1548.4	1563.1	1557.5	1585.1	1568.6	1579.6	1605.2	1603.4
12.5°	1513.5	1528.2	1539.2	1548.4	1564.9	1561.2	1588.8	1574.1	1588.8	1614.4	1614.4
15°	1506.2	1522.8	1535.5	1552.0	1568.6	1564.9	1594.2	1581.4	1596.1	1627.2	1625.5
17.5°	1487.9	1508.0	1520.9	1539.2	1555.8	1553.9	1585.1	1575.9	1592.4	1621.8	1623.6
20°	1456.6	1475.0	1489.6	1511.8	1530.0	1526.4	1559.4	1550.2	1566.8	1597.9	1599.8
22.5°	1416.2	1434.6	1449.4	1473.1	1489.6	1487.9	1520.9	1511.8	1528.2	1557.5	1559.4
25°	1368.6	1385.1	1399.8	1421.8	1440.1	1440.1	1469.5	1460.4	1478.6	1508.0	1508.0
27.5°	1309.9	1324.6	1337.4	1363.1	1377.8	1377.8	1405.2	1396.1	1414.5	1440.1	1438.2
30°	1238.4	1251.1	1262.2	1284.2	1297.0	1298.9	1322.8	1313.5	1331.9	1353.9	1353.9
32.5°	1152.1	1165.0	1172.2	1199.9	1209.0	1207.1	1225.5	1216.4	1234.6	1258.5	1253.0
35°	1060.4	1065.9	1071.4	1098.9	1102.6	1095.2	1113.6	1104.4	1117.2	1141.1	1137.5
37.5°	955.9	957.6	957.6	981.5	983.4	977.9	988.9	977.9	987.0	1009.0	1007.1
40°	840.2	838.4	836.6	854.9	853.1	842.1	849.4	840.2	853.1	869.6	860.4
42.5°	722.9	717.4	710.0	719.1	711.9	702.6	706.4	691.6	700.8	713.6	702.6
45°	607.2	596.2	581.5	583.4	574.2	563.2	557.8	543.0	541.2	554.0	544.9
47.5°	499.0	477.0	464.1	456.8	442.1	433.0	422.0	405.5	398.1	405.5	396.2
50°	401.8	379.8	363.2	346.8	332.0	321.0	302.8	291.8	280.8	282.5	275.1
52.5°	317.4	302.8	275.1	262.4	247.6	234.9	218.4	205.5	192.6	192.6	185.2
55°	251.4	231.1	212.8	194.5	179.8	168.8	152.2	139.4	126.6	124.8	117.4
57.5°	194.5	179.8	159.6	141.2	132.1	121.1	104.6	89.9	82.5	77.0	71.5
60°	150.4	135.8	119.2	104.6	93.6	86.2	69.8	58.8	51.4	47.8	42.2
62.5°	121.1	108.2	93.6	78.9	71.5	64.2	51.4	42.2	34.9	31.2	27.5
65°	97.2	86.2	75.2	64.2	58.8	51.4	42.2	34.9	29.4	25.6	22.0
67.5°	75.2	67.9	58.8	51.4	45.9	40.4	33.0	27.5	23.9	20.1	18.4
70°	56.9	51.4	45.9	38.5	34.9	31.2	25.6	20.1	18.4	16.5	14.6
72.5°	44.0	38.5	33.0	29.4	25.6	23.9	20.1	16.5	14.6	12.9	11.0
75°	29.4	27.5	23.9	20.1	18.4	16.5	14.6	12.9	11.0	9.1	9.1
77.5°	20.1	18.4	16.5	14.6	12.9	12.9	11.0	9.1	7.4	7.4	5.5
80°	12.9	11.0	11.0	9.1	9.1	9.1	7.4	5.5	5.5	5.5	3.6
82.5°	9.1	7.4	7.4	5.5	5.5	5.5	5.5	3.6	3.6	3.6	1.9
85°	5.5	3.6	3.6	3.6	3.6	3.6	3.6	1.9	1.9	1.9	1.9
87.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	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



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9
2.5°	1563.1	1579.6	1579.6	1594.2	1596.1	1592.4	1575.9	1575.9	1597.9	1610.8	1588.8
5°	1577.8	1594.2	1594.2	1608.9	1616.2	1610.8	1594.2	1596.1	1618.1	1632.8	1610.8
7.5°	1590.6	1607.1	1610.8	1627.2	1632.8	1627.2	1610.8	1614.4	1638.2	1651.1	1629.1
10°	1596.1	1612.6	1614.4	1632.8	1640.1	1632.8	1619.9	1621.8	1647.5	1656.6	1636.5
12.5°	1608.9	1625.5	1625.5	1645.6	1653.0	1647.5	1631.0	1634.6	1660.2	1669.5	1649.2
15°	1621.8	1638.2	1638.2	1660.2	1669.5	1662.1	1649.2	1651.1	1676.8	1686.0	1669.5
17.5°	1621.8	1636.5	1636.5	1660.2	1669.5	1664.0	1649.2	1651.1	1678.6	1686.0	1669.5
20°	1597.9	1614.4	1610.8	1634.6	1643.8	1638.2	1625.5	1625.5	1653.0	1660.2	1643.8
22.5°	1559.4	1574.1	1570.4	1592.4	1603.4	1596.1	1585.1	1583.2	1610.8	1618.1	1601.6
25°	1506.2	1520.9	1517.2	1539.2	1550.2	1541.0	1528.2	1530.0	1552.0	1563.1	1548.4
27.5°	1443.9	1453.0	1447.5	1469.5	1480.5	1471.4	1458.5	1460.4	1482.4	1489.6	1478.6
30°	1359.4	1366.8	1361.2	1379.6	1387.0	1381.5	1370.4	1370.4	1390.6	1399.8	1388.8
32.5°	1258.5	1264.0	1258.5	1273.2	1287.9	1276.9	1265.9	1265.9	1287.9	1295.2	1282.4
35°	1141.1	1146.6	1143.0	1157.6	1168.6	1154.0	1144.8	1141.1	1170.5	1166.8	1159.5
37.5°	1010.9	1014.5	1003.5	1029.2	1034.8	1018.2	1010.9	1007.1	1032.9	1031.0	1023.8
40°	864.1	867.8	860.4	878.8	880.6	867.8	862.2	856.8	882.4	880.6	875.1
42.5°	708.1	710.0	700.8	715.5	719.1	706.4	704.5	697.1	721.0	717.4	715.5
45°	546.8	546.8	539.4	550.4	554.0	543.0	539.4	537.5	554.0	554.0	550.4
47.5°	396.2	390.8	381.6	398.1	400.0	392.6	390.8	385.2	401.8	401.8	398.1
50°	271.5	269.6	267.9	271.5	273.4	264.1	269.6	264.1	273.4	273.4	273.4
52.5°	181.6	179.8	176.1	179.8	179.8	174.2	174.2	172.5	179.8	179.8	176.1
55°	113.8	111.9	110.1	111.9	111.9	106.4	110.1	106.4	110.1	110.1	108.2
57.5°	69.8	66.0	66.0	64.2	64.2	60.5	62.4	62.4	62.4	62.4	62.4
60°	40.4	38.5	36.8	36.8	36.8	34.9	34.9	34.9	34.9	34.9	34.9
62.5°	25.6	25.6	23.9	23.9	23.9	23.9	23.9	22.0	23.9	23.9	23.9
65°	22.0	20.1	20.1	20.1	20.1	18.4	18.4	18.4	18.4	18.4	18.4
67.5°	18.4	16.5	16.5	16.5	16.5	14.6	14.6	14.6	14.6	14.6	14.6
70°	14.6	12.9	12.9	12.9	12.9	12.9	11.0	12.9	12.9	11.0	11.0
72.5°	11.0	11.0	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
75°	7.4	7.4	7.4	7.4	7.4	5.5	5.5	5.5	5.5	5.5	5.5
77.5°	5.5	5.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
80°	3.6	3.6	3.6	3.6	3.6	1.9	1.9	1.9	1.9	1.9	1.9
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
85°	1.9	1.9	1.9	1.9	1.9	0.0	1.9	0.0	1.9	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: P212821

CATALOG NUMBER: LE_6B30D010 EC6B30509730 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9
2.5°	1614.4	1596.1	1586.9	1605.2	1612.6	1603.4	1596.1	1583.2	1596.1	1603.4	1612.6
5°	1636.5	1619.9	1612.6	1625.5	1636.5	1627.2	1621.8	1608.9	1621.8	1627.2	1636.5
7.5°	1656.6	1640.1	1631.0	1643.8	1656.6	1643.8	1638.2	1627.2	1638.2	1643.8	1656.6
10°	1664.0	1645.6	1638.2	1649.2	1662.1	1649.2	1642.0	1634.6	1642.0	1649.2	1662.1
12.5°	1676.8	1658.5	1649.2	1658.5	1671.2	1658.5	1651.1	1645.6	1651.1	1658.5	1671.2
15°	1695.1	1678.6	1667.6	1676.8	1693.4	1678.6	1669.5	1667.6	1669.5	1678.6	1693.4
17.5°	1695.1	1682.2	1671.2	1678.6	1695.1	1684.1	1671.2	1675.0	1671.2	1684.1	1695.1
20°	1671.2	1658.5	1649.2	1649.2	1673.1	1658.5	1647.5	1653.0	1647.5	1658.5	1673.1
22.5°	1629.1	1618.1	1608.9	1607.1	1631.0	1618.1	1603.4	1614.4	1603.4	1618.1	1631.0
25°	1574.1	1563.1	1555.8	1552.0	1575.9	1561.2	1548.4	1559.4	1548.4	1561.2	1575.9
27.5°	1502.5	1493.4	1486.0	1480.5	1502.5	1489.6	1476.9	1487.9	1476.9	1489.6	1502.5
30°	1410.8	1405.2	1398.0	1390.6	1412.6	1399.8	1387.0	1401.6	1387.0	1399.8	1412.6
32.5°	1304.4	1300.8	1291.5	1284.2	1306.2	1291.5	1282.4	1293.4	1282.4	1291.5	1306.2
35°	1181.5	1176.0	1170.5	1157.6	1181.5	1168.6	1168.6	1172.2	1168.6	1168.6	1181.5
37.5°	1043.9	1040.2	1032.9	1021.9	1042.0	1032.9	1029.2	1040.2	1029.2	1032.9	1042.0
40°	889.8	887.9	882.4	869.6	891.6	882.4	876.9	891.6	876.9	882.4	891.6
42.5°	728.4	724.6	719.1	717.4	728.4	721.0	726.5	726.5	726.5	721.0	728.4
45°	561.4	557.8	554.0	546.8	559.5	555.9	554.0	557.8	554.0	555.9	559.5
47.5°	407.2	403.6	400.0	394.4	407.2	401.8	401.8	405.5	401.8	401.8	407.2
50°	273.4	275.1	273.4	269.6	273.4	271.5	273.4	277.0	273.4	271.5	273.4
52.5°	181.6	181.6	178.0	176.1	179.8	178.0	183.5	179.8	183.5	178.0	179.8
55°	110.1	111.9	110.1	108.2	110.1	108.2	113.8	111.9	113.8	108.2	110.1
57.5°	62.4	62.4	64.2	62.4	66.0	64.2	64.2	64.2	64.2	64.2	66.0
60°	34.9	34.9	34.9	34.9	34.9	34.9	36.8	34.9	36.8	34.9	34.9
62.5°	23.9	23.9	23.9	22.0	23.9	22.0	23.9	23.9	23.9	22.0	23.9
65°	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
67.5°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
70°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
72.5°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
75°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
77.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	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: P212821

CATALOG NUMBER: LE_6B30D010 EC6B30509730 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9
2.5°	1605.2	1586.9	1596.1	1614.4	1588.8	1610.8	1597.9	1575.9	1575.9	1592.4	1596.1
5°	1625.5	1612.6	1619.9	1636.5	1610.8	1632.8	1618.1	1596.1	1594.2	1610.8	1616.2
7.5°	1643.8	1631.0	1640.1	1656.6	1629.1	1651.1	1638.2	1614.4	1610.8	1627.2	1632.8
10°	1649.2	1638.2	1645.6	1664.0	1636.5	1656.6	1647.5	1621.8	1619.9	1632.8	1640.1
12.5°	1658.5	1649.2	1658.5	1676.8	1649.2	1669.5	1660.2	1634.6	1631.0	1647.5	1653.0
15°	1676.8	1667.6	1678.6	1695.1	1669.5	1686.0	1676.8	1651.1	1649.2	1662.1	1669.5
17.5°	1678.6	1671.2	1682.2	1695.1	1669.5	1686.0	1678.6	1651.1	1649.2	1664.0	1669.5
20°	1649.2	1649.2	1658.5	1671.2	1643.8	1660.2	1653.0	1625.5	1625.5	1638.2	1643.8
22.5°	1607.1	1608.9	1618.1	1629.1	1601.6	1618.1	1610.8	1583.2	1585.1	1596.1	1603.4
25°	1552.0	1555.8	1563.1	1574.1	1548.4	1563.1	1552.0	1530.0	1528.2	1541.0	1550.2
27.5°	1480.5	1486.0	1493.4	1502.5	1478.6	1489.6	1482.4	1460.4	1458.5	1471.4	1480.5
30°	1390.6	1398.0	1405.2	1410.8	1388.8	1399.8	1390.6	1370.4	1370.4	1381.5	1387.0
32.5°	1284.2	1291.5	1300.8	1304.4	1282.4	1295.2	1287.9	1265.9	1265.9	1276.9	1287.9
35°	1157.6	1170.5	1176.0	1181.5	1159.5	1166.8	1170.5	1141.1	1144.8	1154.0	1168.6
37.5°	1021.9	1032.9	1040.2	1043.9	1023.8	1031.0	1032.9	1007.1	1010.9	1018.2	1034.8
40°	869.6	882.4	887.9	889.8	875.1	880.6	882.4	856.8	862.2	867.8	880.6
42.5°	717.4	719.1	724.6	728.4	715.5	717.4	721.0	697.1	704.5	706.4	719.1
45°	546.8	554.0	557.8	561.4	550.4	554.0	554.0	537.5	539.4	543.0	554.0
47.5°	394.4	400.0	403.6	407.2	398.1	401.8	401.8	385.2	390.8	392.6	400.0
50°	269.6	273.4	275.1	273.4	273.4	273.4	273.4	264.1	269.6	264.1	273.4
52.5°	176.1	178.0	181.6	181.6	176.1	179.8	179.8	172.5	174.2	174.2	179.8
55°	108.2	110.1	111.9	110.1	108.2	110.1	110.1	106.4	110.1	106.4	111.9
57.5°	62.4	64.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	60.5	64.2
60°	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	36.8
62.5°	22.0	23.9	23.9	23.9	23.9	23.9	23.9	22.0	23.9	23.9	23.9
65°	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	20.1
67.5°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	16.5
70°	11.0	11.0	11.0	11.0	11.0	11.0	12.9	12.9	11.0	12.9	12.9
72.5°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
75°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	7.4
77.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.6
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	1.9	0.0	1.9
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: P212821

CATALOG NUMBER: LE_6B30D010 EC6B30509730 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9
2.5°	1594.2	1579.6	1579.6	1563.1	1577.8	1579.6	1561.2	1555.8	1575.9	1553.9	1564.9
5°	1608.9	1594.2	1594.2	1577.8	1588.8	1588.8	1570.4	1561.2	1581.4	1559.4	1568.6
7.5°	1627.2	1610.8	1607.1	1590.6	1599.8	1601.6	1579.6	1566.8	1586.9	1561.2	1570.4
10°	1632.8	1614.4	1612.6	1596.1	1603.4	1605.2	1579.6	1568.6	1585.1	1557.5	1563.1
12.5°	1645.6	1625.5	1625.5	1608.9	1614.4	1614.4	1588.8	1574.1	1588.8	1561.2	1564.9
15°	1660.2	1638.2	1638.2	1621.8	1625.5	1627.2	1596.1	1581.4	1594.2	1564.9	1568.6
17.5°	1660.2	1636.5	1636.5	1621.8	1623.6	1621.8	1592.4	1575.9	1585.1	1553.9	1555.8
20°	1634.6	1610.8	1614.4	1597.9	1599.8	1597.9	1566.8	1550.2	1559.4	1526.4	1530.0
22.5°	1592.4	1570.4	1574.1	1559.4	1559.4	1557.5	1528.2	1511.8	1520.9	1487.9	1489.6
25°	1539.2	1517.2	1520.9	1506.2	1508.0	1508.0	1478.6	1460.4	1469.5	1440.1	1440.1
27.5°	1469.5	1447.5	1453.0	1443.9	1438.2	1440.1	1414.5	1396.1	1405.2	1377.8	1377.8
30°	1379.6	1361.2	1366.8	1359.4	1353.9	1353.9	1331.9	1313.5	1322.8	1298.9	1297.0
32.5°	1273.2	1258.5	1264.0	1258.5	1253.0	1258.5	1234.6	1216.4	1225.5	1207.1	1209.0
35°	1157.6	1143.0	1146.6	1141.1	1137.5	1141.1	1117.2	1104.4	1113.6	1095.2	1102.6
37.5°	1029.2	1003.5	1014.5	1010.9	1007.1	1009.0	987.0	977.9	988.9	977.9	983.4
40°	878.8	860.4	867.8	864.1	860.4	869.6	853.1	840.2	849.4	842.1	853.1
42.5°	715.5	700.8	710.0	708.1	702.6	713.6	700.8	691.6	706.4	702.6	711.9
45°	550.4	539.4	546.8	546.8	544.9	554.0	541.2	543.0	557.8	563.2	574.2
47.5°	398.1	381.6	390.8	396.2	396.2	405.5	398.1	405.5	422.0	433.0	442.1
50°	271.5	267.9	269.6	271.5	275.1	282.5	280.8	291.8	302.8	321.0	332.0
52.5°	179.8	176.1	179.8	181.6	185.2	192.6	192.6	205.5	218.4	234.9	247.6
55°	111.9	110.1	111.9	113.8	117.4	124.8	126.6	139.4	152.2	168.8	179.8
57.5°	64.2	66.0	66.0	69.8	71.5	77.0	82.5	89.9	104.6	121.1	132.1
60°	36.8	36.8	38.5	40.4	42.2	47.8	51.4	58.8	69.8	86.2	93.6
62.5°	23.9	23.9	25.6	25.6	27.5	31.2	34.9	42.2	51.4	64.2	71.5
65°	20.1	20.1	20.1	22.0	22.0	25.6	29.4	34.9	42.2	51.4	58.8
67.5°	16.5	16.5	16.5	18.4	18.4	20.1	23.9	27.5	33.0	40.4	45.9
70°	12.9	12.9	12.9	14.6	14.6	16.5	18.4	20.1	25.6	31.2	34.9
72.5°	9.1	9.1	11.0	11.0	11.0	12.9	14.6	16.5	20.1	23.9	25.6
75°	7.4	7.4	7.4	7.4	9.1	9.1	11.0	12.9	14.6	16.5	18.4
77.5°	3.6	3.6	5.5	5.5	5.5	7.4	7.4	9.1	11.0	12.9	12.9
80°	3.6	3.6	3.6	3.6	3.6	5.5	5.5	5.5	7.4	9.1	9.1
82.5°	1.9	1.9	1.9	1.9	1.9	3.6	3.6	3.6	5.5	5.5	5.5
85°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.6	3.6	3.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9
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: P212821

CATALOG NUMBER: LE_6B30D010 EC6B30509730 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9	1575.9
2.5°	1552.0	1557.5	1557.5	1552.0	1537.4	1550.2	1563.1	1550.2	1566.8	1537.4	1537.4
5°	1552.0	1555.8	1553.9	1546.5	1531.9	1542.9	1552.0	1539.2	1552.0	1524.5	1522.8
7.5°	1555.8	1552.0	1548.4	1539.2	1520.9	1528.2	1537.4	1522.8	1535.5	1506.2	1502.5
10°	1548.4	1542.9	1535.5	1522.8	1502.5	1508.0	1513.5	1500.6	1509.9	1480.5	1478.6
12.5°	1548.4	1539.2	1528.2	1513.5	1491.5	1495.1	1500.6	1484.1	1491.5	1464.0	1460.4
15°	1552.0	1535.5	1522.8	1506.2	1482.4	1484.1	1487.9	1469.5	1476.9	1447.5	1445.6
17.5°	1539.2	1520.9	1508.0	1487.9	1462.1	1464.0	1464.0	1445.6	1451.1	1421.8	1420.0
20°	1511.8	1489.6	1475.0	1456.6	1429.1	1429.1	1429.1	1410.8	1414.5	1388.8	1385.1
22.5°	1473.1	1449.4	1434.6	1416.2	1390.6	1388.8	1387.0	1372.2	1372.2	1348.4	1342.9
25°	1421.8	1399.8	1385.1	1368.6	1342.9	1339.2	1339.2	1326.4	1324.6	1302.5	1298.9
27.5°	1363.1	1337.4	1324.6	1309.9	1286.0	1282.4	1280.5	1273.2	1269.5	1245.6	1243.9
30°	1284.2	1262.2	1251.1	1238.4	1216.4	1212.6	1210.9	1203.5	1201.6	1177.8	1177.8
32.5°	1199.9	1172.2	1165.0	1152.1	1135.6	1133.8	1135.6	1126.4	1119.1	1102.6	1098.9
35°	1098.9	1071.4	1065.9	1060.4	1047.5	1043.9	1042.0	1040.2	1031.0	1020.0	1014.5
37.5°	981.5	957.6	957.6	955.9	946.6	946.6	946.6	943.0	933.8	930.1	919.1
40°	854.9	836.6	838.4	840.2	836.6	838.4	840.2	836.6	829.2	825.5	816.4
42.5°	719.1	710.0	717.4	722.9	722.9	728.4	732.0	732.0	722.9	721.0	713.6
45°	583.4	581.5	596.2	607.2	610.9	620.1	625.6	621.9	621.9	621.9	614.6
47.5°	456.8	464.1	477.0	499.0	506.4	517.4	521.0	526.5	524.8	526.5	521.0
50°	346.8	363.2	379.8	401.8	412.8	425.6	431.1	438.5	438.5	440.2	436.6
52.5°	262.4	275.1	302.8	317.4	330.2	343.1	350.4	357.8	359.6	359.6	355.9
55°	194.5	212.8	231.1	251.4	262.4	275.1	280.8	288.0	288.0	291.8	288.0
57.5°	141.2	159.6	179.8	194.5	207.2	216.5	222.0	227.5	231.1	231.1	229.4
60°	104.6	119.2	135.8	150.4	161.5	170.6	174.2	179.8	181.6	181.6	178.0
62.5°	78.9	93.6	108.2	121.1	128.4	135.8	139.4	143.1	143.1	143.1	141.2
65°	64.2	75.2	86.2	97.2	104.6	110.1	111.9	115.6	113.8	115.6	113.8
67.5°	51.4	58.8	67.9	75.2	80.8	84.4	86.2	89.9	88.0	89.9	88.0
70°	38.5	45.9	51.4	56.9	60.5	64.2	66.0	67.9	66.0	67.9	66.0
72.5°	29.4	33.0	38.5	44.0	45.9	47.8	49.5	49.5	49.5	51.4	49.5
75°	20.1	23.9	27.5	29.4	33.0	34.9	34.9	36.8	36.8	36.8	36.8
77.5°	14.6	16.5	18.4	20.1	22.0	23.9	23.9	25.6	25.6	25.6	25.6
80°	9.1	11.0	11.0	12.9	14.6	14.6	16.5	16.5	16.5	16.5	16.5
82.5°	5.5	7.4	7.4	9.1	9.1	9.1	11.0	11.0	11.0	11.0	11.0
85°	3.6	3.6	3.6	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
87.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.6	3.6	1.9	1.9
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: P212821

CATALOG NUMBER: LE_6B30D010 EC6B30509730 6LBSWL11

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1575.9	1575.9	1575.9	1575.9
2.5°	1552.0	1542.9	1557.5	1535.5
5°	1535.5	1526.4	1544.8	1517.2
7.5°	1515.4	1506.2	1522.8	1495.1
10°	1489.6	1480.5	1495.1	1465.9
12.5°	1467.6	1458.5	1475.0	1447.5
15°	1451.1	1442.0	1456.6	1431.0
17.5°	1425.5	1414.5	1431.0	1403.5
20°	1388.8	1381.5	1394.2	1366.8
22.5°	1346.6	1339.2	1353.9	1326.4
25°	1302.5	1293.4	1308.0	1280.5
27.5°	1245.6	1238.4	1253.0	1225.5
30°	1177.8	1170.5	1185.1	1159.5
32.5°	1100.8	1093.4	1104.4	1082.4
35°	1012.8	1007.1	1018.2	994.4
37.5°	917.2	911.8	922.8	899.0
40°	814.5	809.0	818.2	807.2
42.5°	713.6	708.1	717.4	708.1
45°	614.6	610.9	620.1	610.9
47.5°	522.9	519.1	528.4	519.1
50°	434.8	436.6	440.2	436.6
52.5°	355.9	355.9	361.4	355.9
55°	288.0	289.9	291.8	288.0
57.5°	229.4	229.4	231.1	229.4
60°	178.0	179.8	179.8	178.0
62.5°	141.2	141.2	141.2	141.2
65°	111.9	111.9	113.8	111.9
67.5°	88.0	86.2	88.0	86.2
70°	66.0	66.0	66.0	66.0
72.5°	51.4	51.4	49.5	49.5
75°	36.8	38.5	36.8	36.8
77.5°	25.6	25.6	25.6	25.6
80°	16.5	16.5	16.5	16.5
82.5°	11.0	11.0	11.0	11.0
85°	7.4	5.5	5.5	5.5
87.5°	3.6	1.9	1.9	1.9
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)