

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: P212799

Luminaire Tested: **LE_6B20D010 EC6B10208040 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212799
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 EC6B10208040 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2521.4 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

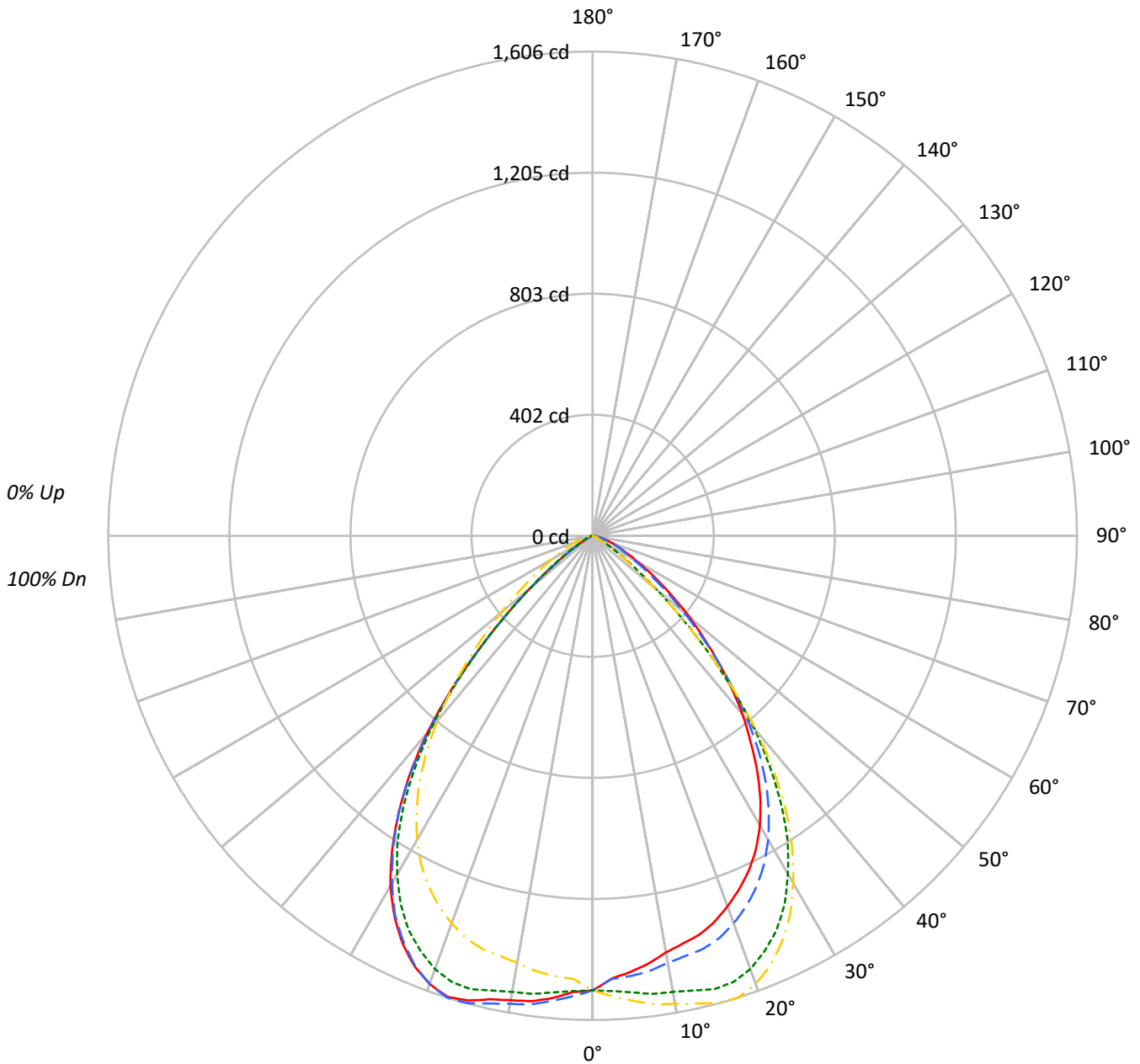
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					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	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°	82669	82669	82669	82669
5°	79897	83667	84724	83667
10°	78088	85508	87073	85508
15°	77719	88377	90574	88377
20°	76301	89205	92280	89205
25°	74121	87289	90259	87289
30°	70232	82013	84899	82013
35°	63677	73080	75081	73080
40°	55282	59547	61057	59547
45°	45323	41105	41384	41105
50°	35641	23061	22609	23061
55°	26341	11412	10236	11412
60°	18661	5000	3662	5000
65°	13893	3191	2270	3191
70°	10130	2532	1683	2532
75°	7434	1864	1101	1864
80°	4988	1642	568	1642
85°	3271	1132	1132	1132



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.4	5.7
10°-20°	427.6	17.0
20°-30°	638.1	25.3
30°-40°	655.6	26.0
40°-50°	424.5	16.8
50°-60°	157.9	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°	1210.0	48.0
0°-40°	1865.6	74.0
0°-60°	2448.0	97.1
0°-90°	2521.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2521.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1508	1508	1508	1508	1508	
5°	1452	1520	1540	1520	1452	137
15°	1369	1557	1596	1557	1369	385
25°	1225	1443	1492	1443	1225	562
35°	952	1092	1122	1092	952	591
45°	585	530	534	530	585	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: P212799

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0
2.5°	1469.4	1490.5	1476.5	1485.2	1471.1	1471.1	1499.2	1483.5	1495.8	1483.5	1471.1
5°	1451.9	1478.2	1460.6	1469.4	1457.1	1458.9	1485.2	1473.0	1485.2	1476.5	1465.9
7.5°	1430.8	1457.1	1441.4	1450.1	1437.9	1441.4	1469.4	1457.1	1471.1	1462.4	1455.4
10°	1402.8	1430.8	1416.8	1425.5	1415.0	1416.8	1444.9	1436.1	1448.4	1443.1	1437.9
12.5°	1385.1	1411.5	1395.8	1404.5	1397.5	1401.0	1427.2	1420.2	1436.1	1430.8	1427.2
15°	1369.4	1394.0	1379.9	1388.6	1383.4	1385.1	1413.2	1406.2	1423.8	1420.2	1418.5
17.5°	1343.0	1369.4	1353.5	1364.1	1358.9	1360.6	1388.6	1383.4	1401.0	1401.0	1399.2
20°	1307.9	1334.2	1322.0	1329.0	1325.5	1329.0	1353.5	1350.0	1367.6	1367.6	1367.6
22.5°	1269.2	1295.6	1281.6	1288.6	1285.1	1290.4	1313.1	1313.1	1327.2	1329.0	1330.8
25°	1225.4	1251.8	1237.8	1246.5	1243.0	1246.5	1267.5	1269.2	1281.6	1281.6	1285.1
27.5°	1172.8	1199.1	1185.0	1192.0	1190.2	1192.0	1214.9	1218.4	1225.4	1227.1	1230.6
30°	1109.5	1134.1	1120.1	1127.1	1127.1	1127.1	1149.9	1151.6	1158.8	1160.5	1164.0
32.5°	1035.8	1056.9	1046.4	1053.4	1051.6	1055.1	1070.9	1077.9	1086.8	1085.0	1086.8
35°	951.5	974.4	963.9	969.1	970.9	976.1	986.6	995.4	997.1	998.9	1002.5
37.5°	860.2	883.0	872.5	877.8	879.5	890.1	893.6	902.4	905.9	905.9	905.9
40°	772.5	783.0	774.2	779.5	781.2	790.0	793.5	800.5	804.0	802.2	800.5
42.5°	677.6	686.4	677.6	682.9	682.9	690.0	691.8	700.5	700.5	697.0	691.8
45°	584.6	593.4	584.6	588.1	588.1	595.1	595.1	595.1	598.6	593.4	584.6
47.5°	496.9	505.6	496.9	500.4	498.6	503.9	502.1	503.9	498.6	495.1	484.5
50°	417.9	421.4	417.9	416.1	417.9	421.4	419.6	419.6	412.6	407.2	395.0
52.5°	340.6	345.9	340.6	340.6	340.6	344.1	344.1	342.4	335.4	328.2	316.0
55°	275.6	279.1	277.4	275.6	275.6	279.1	275.6	275.6	268.6	263.4	251.0
57.5°	219.5	221.2	219.5	219.5	219.5	221.2	221.2	217.8	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°	107.1	108.9	107.1	107.1	108.9	110.6	108.9	110.6	107.1	105.4	100.1
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°	63.2	63.2	63.2	63.2	63.2	65.0	63.2	65.0	63.2	61.5	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	21.1
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



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0
2.5°	1485.2	1490.5	1490.5	1485.2	1497.5	1487.0	1508.0	1488.8	1494.0	1511.6	1509.8
5°	1480.0	1487.0	1488.8	1485.2	1501.0	1492.2	1513.4	1494.0	1502.8	1520.4	1520.4
7.5°	1473.0	1481.8	1485.2	1488.8	1502.8	1494.0	1518.6	1499.2	1511.6	1532.6	1530.9
10°	1457.1	1469.4	1476.5	1481.8	1495.8	1490.5	1516.9	1501.0	1511.6	1536.1	1534.4
12.5°	1448.4	1462.4	1473.0	1481.8	1497.5	1494.0	1520.4	1506.2	1520.4	1544.9	1544.9
15°	1441.4	1457.1	1469.4	1485.2	1501.0	1497.5	1525.6	1513.4	1527.4	1557.2	1555.5
17.5°	1423.8	1443.1	1455.4	1473.0	1488.8	1487.0	1516.9	1508.0	1523.9	1552.0	1553.8
20°	1394.0	1411.5	1425.5	1446.6	1464.1	1460.6	1492.2	1483.5	1499.2	1529.1	1530.9
22.5°	1355.4	1372.9	1386.9	1409.8	1425.5	1423.8	1455.4	1446.6	1462.4	1490.5	1492.2
25°	1309.6	1325.5	1339.5	1360.6	1378.1	1378.1	1406.2	1397.5	1415.0	1443.1	1443.1
27.5°	1253.5	1267.5	1279.9	1304.4	1318.5	1318.5	1344.8	1336.0	1353.5	1378.1	1376.4
30°	1185.0	1197.2	1207.9	1228.9	1241.2	1243.0	1265.8	1257.0	1274.5	1295.6	1295.6
32.5°	1102.5	1114.8	1121.9	1148.1	1156.9	1155.1	1172.8	1164.0	1181.5	1204.4	1199.1
35°	1014.8	1020.0	1025.2	1051.6	1055.1	1048.1	1065.6	1056.9	1069.1	1092.0	1088.5
37.5°	914.6	916.4	916.4	939.2	941.0	935.8	946.2	935.8	944.5	965.6	963.9
40°	804.0	802.2	800.5	818.1	816.4	805.9	812.9	804.0	816.4	832.1	823.4
42.5°	691.8	686.4	679.4	688.2	681.1	672.4	675.9	661.9	670.6	682.9	672.4
45°	581.1	570.6	556.5	558.2	549.5	539.0	533.8	519.6	517.9	530.2	521.4
47.5°	477.5	456.5	444.1	437.1	423.1	414.4	403.8	388.0	381.0	388.0	379.2
50°	384.5	363.4	347.6	331.8	317.8	307.2	289.6	279.1	268.6	270.4	263.4
52.5°	303.8	289.6	263.4	251.0	237.0	224.8	208.9	196.6	184.4	184.4	177.4
55°	240.5	221.2	203.6	186.1	172.0	161.5	145.8	133.4	121.1	119.4	112.4
57.5°	186.1	172.0	152.8	135.1	126.4	115.9	100.1	86.0	79.0	73.8	68.5
60°	144.0	129.9	114.1	100.1	89.5	82.5	66.8	56.1	49.1	45.6	40.4
62.5°	115.9	103.6	89.5	75.5	68.5	61.5	49.1	40.4	33.4	29.9	26.4
65°	93.0	82.5	72.0	61.5	56.1	49.1	40.4	33.4	28.1	24.6	21.1
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



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0
2.5°	1495.8	1511.6	1511.6	1525.6	1527.4	1523.9	1508.0	1508.0	1529.1	1541.4	1520.4
5°	1509.8	1525.6	1525.6	1539.6	1546.6	1541.4	1525.6	1527.4	1548.4	1562.5	1541.4
7.5°	1522.1	1537.9	1541.4	1557.2	1562.5	1557.2	1541.4	1544.9	1567.8	1580.0	1559.0
10°	1527.4	1543.1	1544.9	1562.5	1569.5	1562.5	1550.1	1552.0	1576.5	1585.2	1566.0
12.5°	1539.6	1555.5	1555.5	1574.8	1581.8	1576.5	1560.8	1564.2	1588.8	1597.6	1578.2
15°	1552.0	1567.8	1567.8	1588.8	1597.6	1590.6	1578.2	1580.0	1604.6	1613.4	1597.6
17.5°	1552.0	1566.0	1566.0	1588.8	1597.6	1592.4	1578.2	1580.0	1606.4	1613.4	1597.6
20°	1529.1	1544.9	1541.4	1564.2	1573.0	1567.8	1555.5	1555.5	1581.8	1588.8	1573.0
22.5°	1492.2	1506.2	1502.8	1523.9	1534.4	1527.4	1516.9	1515.1	1541.4	1548.4	1532.6
25°	1441.4	1455.4	1451.9	1473.0	1483.5	1474.8	1462.4	1464.1	1485.2	1495.8	1481.8
27.5°	1381.6	1390.4	1385.1	1406.2	1416.8	1408.0	1395.8	1397.5	1418.5	1425.5	1415.0
30°	1300.9	1307.9	1302.6	1320.2	1327.2	1322.0	1311.4	1311.4	1330.8	1339.5	1329.0
32.5°	1204.4	1209.6	1204.4	1218.4	1232.4	1221.9	1211.4	1211.4	1232.4	1239.5	1227.1
35°	1092.0	1097.2	1093.8	1107.8	1118.2	1104.2	1095.5	1092.0	1120.1	1116.5	1109.5
37.5°	967.4	970.9	960.2	984.9	990.1	974.4	967.4	963.9	988.4	986.6	979.6
40°	826.9	830.4	823.4	840.9	842.6	830.4	825.1	819.9	844.5	842.6	837.4
42.5°	677.6	679.4	670.6	684.6	688.2	675.9	674.1	667.1	690.0	686.4	684.6
45°	523.1	523.1	516.1	526.6	530.2	519.6	516.1	514.4	530.2	530.2	526.6
47.5°	379.2	374.0	365.1	381.0	382.8	375.8	374.0	368.6	384.5	384.5	381.0
50°	259.9	258.1	256.4	259.9	261.6	252.8	258.1	252.8	261.6	261.6	261.6
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	107.1	105.4	107.1	107.1	101.9	105.4	101.9	105.4	105.4	103.6
57.5°	66.8	63.2	63.2	61.5	61.5	57.9	59.8	59.8	59.8	59.8	59.8
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	21.1	22.9	22.9	22.9
65°	21.1	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: P212799

CATALOG NUMBER: LE_6B20D010 EC6B10208040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0
2.5°	1544.9	1527.4	1518.6	1536.1	1543.1	1534.4	1527.4	1515.1	1527.4	1534.4	1543.1
5°	1566.0	1550.1	1543.1	1555.5	1566.0	1557.2	1552.0	1539.6	1552.0	1557.2	1566.0
7.5°	1585.2	1569.5	1560.8	1573.0	1585.2	1573.0	1567.8	1557.2	1567.8	1573.0	1585.2
10°	1592.4	1574.8	1567.8	1578.2	1590.6	1578.2	1571.2	1564.2	1571.2	1578.2	1590.6
12.5°	1604.6	1587.0	1578.2	1587.0	1599.4	1587.0	1580.0	1574.8	1580.0	1587.0	1599.4
15°	1622.1	1606.4	1595.9	1604.6	1620.4	1606.4	1597.6	1595.9	1597.6	1606.4	1620.4
17.5°	1622.1	1609.9	1599.4	1606.4	1622.1	1611.6	1599.4	1602.9	1599.4	1611.6	1622.1
20°	1599.4	1587.0	1578.2	1578.2	1601.1	1587.0	1576.5	1581.8	1576.5	1587.0	1601.1
22.5°	1559.0	1548.4	1539.6	1537.9	1560.8	1548.4	1534.4	1544.9	1534.4	1548.4	1560.8
25°	1506.2	1495.8	1488.8	1485.2	1508.0	1494.0	1481.8	1492.2	1481.8	1494.0	1508.0
27.5°	1437.9	1429.0	1422.0	1416.8	1437.9	1425.5	1413.2	1423.8	1413.2	1425.5	1437.9
30°	1350.0	1344.8	1337.8	1330.8	1351.8	1339.5	1327.2	1341.2	1327.2	1339.5	1351.8
32.5°	1248.2	1244.8	1235.9	1228.9	1250.0	1235.9	1227.1	1237.8	1227.1	1235.9	1250.0
35°	1130.6	1125.4	1120.1	1107.8	1130.6	1118.2	1118.2	1121.9	1118.2	1118.2	1130.6
37.5°	998.9	995.4	988.4	977.9	997.1	988.4	984.9	995.4	984.9	988.4	997.1
40°	851.5	849.8	844.5	832.1	853.2	844.5	839.1	853.2	839.1	844.5	853.2
42.5°	697.0	693.5	688.2	686.4	697.0	690.0	695.2	695.2	695.2	690.0	697.0
45°	537.2	533.8	530.2	523.1	535.5	532.0	530.2	533.8	530.2	532.0	535.5
47.5°	389.8	386.2	382.8	377.5	389.8	384.5	384.5	388.0	384.5	384.5	389.8
50°	261.6	263.4	261.6	258.1	261.6	259.9	261.6	265.1	261.6	259.9	261.6
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°	105.4	107.1	105.4	103.6	105.4	103.6	108.9	107.1	108.9	103.6	105.4
57.5°	59.8	59.8	61.5	59.8	63.2	61.5	61.5	61.5	61.5	61.5	63.2
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	21.1	22.9	21.1	22.9	22.9	22.9	21.1	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: P212799

CATALOG NUMBER: LE_6B20D010 EC6B10208040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0
2.5°	1536.1	1518.6	1527.4	1544.9	1520.4	1541.4	1529.1	1508.0	1508.0	1523.9	1527.4
5°	1555.5	1543.1	1550.1	1566.0	1541.4	1562.5	1548.4	1527.4	1525.6	1541.4	1546.6
7.5°	1573.0	1560.8	1569.5	1585.2	1559.0	1580.0	1567.8	1544.9	1541.4	1557.2	1562.5
10°	1578.2	1567.8	1574.8	1592.4	1566.0	1585.2	1576.5	1552.0	1550.1	1562.5	1569.5
12.5°	1587.0	1578.2	1587.0	1604.6	1578.2	1597.6	1588.8	1564.2	1560.8	1576.5	1581.8
15°	1604.6	1595.9	1606.4	1622.1	1597.6	1613.4	1604.6	1580.0	1578.2	1590.6	1597.6
17.5°	1606.4	1599.4	1609.9	1622.1	1597.6	1613.4	1606.4	1580.0	1578.2	1592.4	1597.6
20°	1578.2	1578.2	1587.0	1599.4	1573.0	1588.8	1581.8	1555.5	1555.5	1567.8	1573.0
22.5°	1537.9	1539.6	1548.4	1559.0	1532.6	1548.4	1541.4	1515.1	1516.9	1527.4	1534.4
25°	1485.2	1488.8	1495.8	1506.2	1481.8	1495.8	1485.2	1464.1	1462.4	1474.8	1483.5
27.5°	1416.8	1422.0	1429.0	1437.9	1415.0	1425.5	1418.5	1397.5	1395.8	1408.0	1416.8
30°	1330.8	1337.8	1344.8	1350.0	1329.0	1339.5	1330.8	1311.4	1311.4	1322.0	1327.2
32.5°	1228.9	1235.9	1244.8	1248.2	1227.1	1239.5	1232.4	1211.4	1211.4	1221.9	1232.4
35°	1107.8	1120.1	1125.4	1130.6	1109.5	1116.5	1120.1	1092.0	1095.5	1104.2	1118.2
37.5°	977.9	988.4	995.4	998.9	979.6	986.6	988.4	963.9	967.4	974.4	990.1
40°	832.1	844.5	849.8	851.5	837.4	842.6	844.5	819.9	825.1	830.4	842.6
42.5°	686.4	688.2	693.5	697.0	684.6	686.4	690.0	667.1	674.1	675.9	688.2
45°	523.1	530.2	533.8	537.2	526.6	530.2	530.2	514.4	516.1	519.6	530.2
47.5°	377.5	382.8	386.2	389.8	381.0	384.5	384.5	368.6	374.0	375.8	382.8
50°	258.1	261.6	263.4	261.6	261.6	261.6	261.6	252.8	258.1	252.8	261.6
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°	103.6	105.4	107.1	105.4	103.6	105.4	105.4	101.9	105.4	101.9	107.1
57.5°	59.8	61.5	59.8	59.8	59.8	59.8	59.8	59.8	59.8	57.9	61.5
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°	21.1	22.9	22.9	22.9	22.9	22.9	22.9	21.1	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: P212799

CATALOG NUMBER: LE_6B20D010 EC6B10208040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0
2.5°	1525.6	1511.6	1511.6	1495.8	1509.8	1511.6	1494.0	1488.8	1508.0	1487.0	1497.5
5°	1539.6	1525.6	1525.6	1509.8	1520.4	1520.4	1502.8	1494.0	1513.4	1492.2	1501.0
7.5°	1557.2	1541.4	1537.9	1522.1	1530.9	1532.6	1511.6	1499.2	1518.6	1494.0	1502.8
10°	1562.5	1544.9	1543.1	1527.4	1534.4	1536.1	1511.6	1501.0	1516.9	1490.5	1495.8
12.5°	1574.8	1555.5	1555.5	1539.6	1544.9	1544.9	1520.4	1506.2	1520.4	1494.0	1497.5
15°	1588.8	1567.8	1567.8	1552.0	1555.5	1557.2	1527.4	1513.4	1525.6	1497.5	1501.0
17.5°	1588.8	1566.0	1566.0	1552.0	1553.8	1552.0	1523.9	1508.0	1516.9	1487.0	1488.8
20°	1564.2	1541.4	1544.9	1529.1	1530.9	1529.1	1499.2	1483.5	1492.2	1460.6	1464.1
22.5°	1523.9	1502.8	1506.2	1492.2	1492.2	1490.5	1462.4	1446.6	1455.4	1423.8	1425.5
25°	1473.0	1451.9	1455.4	1441.4	1443.1	1443.1	1415.0	1397.5	1406.2	1378.1	1378.1
27.5°	1406.2	1385.1	1390.4	1381.6	1376.4	1378.1	1353.5	1336.0	1344.8	1318.5	1318.5
30°	1320.2	1302.6	1307.9	1300.9	1295.6	1295.6	1274.5	1257.0	1265.8	1243.0	1241.2
32.5°	1218.4	1204.4	1209.6	1204.4	1199.1	1204.4	1181.5	1164.0	1172.8	1155.1	1156.9
35°	1107.8	1093.8	1097.2	1092.0	1088.5	1092.0	1069.1	1056.9	1065.6	1048.1	1055.1
37.5°	984.9	960.2	970.9	967.4	963.9	965.6	944.5	935.8	946.2	935.8	941.0
40°	840.9	823.4	830.4	826.9	823.4	832.1	816.4	804.0	812.9	805.9	816.4
42.5°	684.6	670.6	679.4	677.6	672.4	682.9	670.6	661.9	675.9	672.4	681.1
45°	526.6	516.1	523.1	523.1	521.4	530.2	517.9	519.6	533.8	539.0	549.5
47.5°	381.0	365.1	374.0	379.2	379.2	388.0	381.0	388.0	403.8	414.4	423.1
50°	259.9	256.4	258.1	259.9	263.4	270.4	268.6	279.1	289.6	307.2	317.8
52.5°	172.0	168.5	172.0	173.8	177.4	184.4	184.4	196.6	208.9	224.8	237.0
55°	107.1	105.4	107.1	108.9	112.4	119.4	121.1	133.4	145.8	161.5	172.0
57.5°	61.5	63.2	63.2	66.8	68.5	73.8	79.0	86.0	100.1	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	61.5	68.5
65°	19.2	19.2	19.2	21.1	21.1	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: P212799

CATALOG NUMBER: LE_6B20D010 EC6B10208040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0	1508.0
2.5°	1485.2	1490.5	1490.5	1485.2	1471.1	1483.5	1495.8	1483.5	1499.2	1471.1	1471.1
5°	1485.2	1488.8	1487.0	1480.0	1465.9	1476.5	1485.2	1473.0	1485.2	1458.9	1457.1
7.5°	1488.8	1485.2	1481.8	1473.0	1455.4	1462.4	1471.1	1457.1	1469.4	1441.4	1437.9
10°	1481.8	1476.5	1469.4	1457.1	1437.9	1443.1	1448.4	1436.1	1444.9	1416.8	1415.0
12.5°	1481.8	1473.0	1462.4	1448.4	1427.2	1430.8	1436.1	1420.2	1427.2	1401.0	1397.5
15°	1485.2	1469.4	1457.1	1441.4	1418.5	1420.2	1423.8	1406.2	1413.2	1385.1	1383.4
17.5°	1473.0	1455.4	1443.1	1423.8	1399.2	1401.0	1401.0	1383.4	1388.6	1360.6	1358.9
20°	1446.6	1425.5	1411.5	1394.0	1367.6	1367.6	1367.6	1350.0	1353.5	1329.0	1325.5
22.5°	1409.8	1386.9	1372.9	1355.4	1330.8	1329.0	1327.2	1313.1	1313.1	1290.4	1285.1
25°	1360.6	1339.5	1325.5	1309.6	1285.1	1281.6	1281.6	1269.2	1267.5	1246.5	1243.0
27.5°	1304.4	1279.9	1267.5	1253.5	1230.6	1227.1	1225.4	1218.4	1214.9	1192.0	1190.2
30°	1228.9	1207.9	1197.2	1185.0	1164.0	1160.5	1158.8	1151.6	1149.9	1127.1	1127.1
32.5°	1148.1	1121.9	1114.8	1102.5	1086.8	1085.0	1086.8	1077.9	1070.9	1055.1	1051.6
35°	1051.6	1025.2	1020.0	1014.8	1002.5	998.9	997.1	995.4	986.6	976.1	970.9
37.5°	939.2	916.4	916.4	914.6	905.9	905.9	905.9	902.4	893.6	890.1	879.5
40°	818.1	800.5	802.2	804.0	800.5	802.2	804.0	800.5	793.5	790.0	781.2
42.5°	688.2	679.4	686.4	691.8	691.8	697.0	700.5	700.5	691.8	690.0	682.9
45°	558.2	556.5	570.6	581.1	584.6	593.4	598.6	595.1	595.1	595.1	588.1
47.5°	437.1	444.1	456.5	477.5	484.5	495.1	498.6	503.9	502.1	503.9	498.6
50°	331.8	347.6	363.4	384.5	395.0	407.2	412.6	419.6	419.6	421.4	417.9
52.5°	251.0	263.4	289.6	303.8	316.0	328.2	335.4	342.4	344.1	344.1	340.6
55°	186.1	203.6	221.2	240.5	251.0	263.4	268.6	275.6	275.6	279.1	275.6
57.5°	135.1	152.8	172.0	186.1	198.4	207.1	212.4	217.8	221.2	221.2	219.5
60°	100.1	114.1	129.9	144.0	154.5	163.2	166.8	172.0	173.8	173.8	170.2
62.5°	75.5	89.5	103.6	115.9	122.9	129.9	133.4	136.9	136.9	136.9	135.1
65°	61.5	72.0	82.5	93.0	100.1	105.4	107.1	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	61.5	63.2	65.0	63.2	65.0	63.2
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	21.1	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: P212799

CATALOG NUMBER: LE_6B20D010 EC6B10208040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1508.0	1508.0	1508.0	1508.0
2.5°	1485.2	1476.5	1490.5	1469.4
5°	1469.4	1460.6	1478.2	1451.9
7.5°	1450.1	1441.4	1457.1	1430.8
10°	1425.5	1416.8	1430.8	1402.8
12.5°	1404.5	1395.8	1411.5	1385.1
15°	1388.6	1379.9	1394.0	1369.4
17.5°	1364.1	1353.5	1369.4	1343.0
20°	1329.0	1322.0	1334.2	1307.9
22.5°	1288.6	1281.6	1295.6	1269.2
25°	1246.5	1237.8	1251.8	1225.4
27.5°	1192.0	1185.0	1199.1	1172.8
30°	1127.1	1120.1	1134.1	1109.5
32.5°	1053.4	1046.4	1056.9	1035.8
35°	969.1	963.9	974.4	951.5
37.5°	877.8	872.5	883.0	860.2
40°	779.5	774.2	783.0	772.5
42.5°	682.9	677.6	686.4	677.6
45°	588.1	584.6	593.4	584.6
47.5°	500.4	496.9	505.6	496.9
50°	416.1	417.9	421.4	417.9
52.5°	340.6	340.6	345.9	340.6
55°	275.6	277.4	279.1	275.6
57.5°	219.5	219.5	221.2	219.5
60°	170.2	172.0	172.0	170.2
62.5°	135.1	135.1	135.1	135.1
65°	107.1	107.1	108.9	107.1
67.5°	84.2	82.5	84.2	82.5
70°	63.2	63.2	63.2	63.2
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)