

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: P212798

Luminaire Tested: **LE\_6B20D010 EC6B10208035 6LBSWL11**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212798  
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 EC6B10208035 6LBSWL1  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2494.6 lumens  
Efficiency: N/A  
Efficacy: 119.9 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

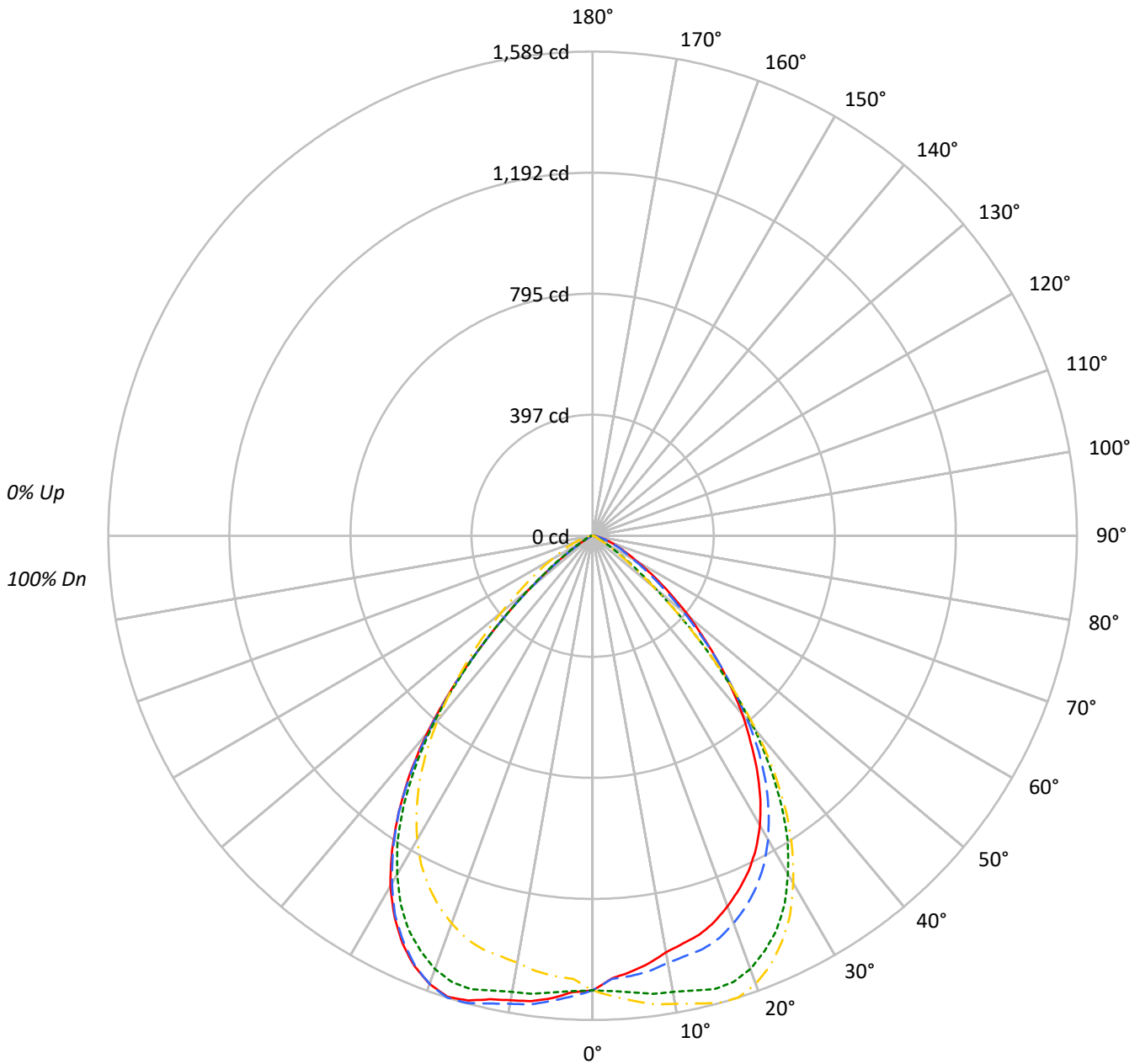
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	81792	81792	81792	81792
5°	79050	82770	83821	82770
10°	77253	84607	86148	84607
15°	76890	87435	89609	87435
20°	75490	88260	91300	88260
25°	73335	86364	89304	86364
30°	69492	81145	84000	81145
35°	63001	72304	74278	72304
40°	54688	58910	60406	58910
45°	44842	40663	40934	40663
50°	35257	22814	22362	22814
55°	26073	11288	10131	11288
60°	18474	4945	3618	4945
65°	13750	3165	2257	3165
70°	10018	2500	1667	2500
75°	7371	1822	1101	1822
80°	4925	1642	568	1642
85°	3271	1132	1132	1132



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.8	5.7
10°-20°	423.0	17.0
20°-30°	631.3	25.3
30°-40°	648.6	26.0
40°-50°	420.0	16.8
50°-60°	156.2	6.3
60°-70°	51.3	2.1
70°-80°	18.1	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°	1197.2	48.0
0°-40°	1845.8	74.0
0°-60°	2422.0	97.1
0°-90°	2494.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2494.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1492	1492	1492	1492	1492	
5°	1436	1504	1523	1504	1436	136
15°	1355	1541	1579	1541	1355	381
25°	1212	1428	1476	1428	1212	556
35°	941	1080	1110	1080	941	585
45°	578	524	528	524	578	447
55°	273	118	106	118	273	249
65°	106	24	17	24	106	108
75°	35	9	5	9	35	38
85°	5	2	2	2	5	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°	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0
2.5°	1453.9	1474.6	1460.8	1469.5	1455.5	1455.5	1483.4	1467.8	1479.9	1467.8	1455.5
5°	1436.5	1462.5	1445.1	1453.9	1441.6	1443.4	1469.5	1457.2	1469.5	1460.8	1450.4
7.5°	1415.6	1441.6	1426.0	1434.8	1422.5	1426.0	1453.9	1441.6	1455.5	1446.9	1439.9
10°	1387.8	1415.6	1401.8	1410.4	1400.0	1401.8	1429.5	1420.9	1433.0	1427.8	1422.5
12.5°	1370.5	1396.5	1380.9	1389.5	1382.6	1386.1	1412.1	1405.1	1420.9	1415.6	1412.1
15°	1354.8	1379.1	1365.2	1373.9	1368.8	1370.5	1398.2	1391.2	1408.6	1405.1	1403.5
17.5°	1328.8	1354.8	1339.1	1349.6	1344.4	1346.1	1373.9	1368.8	1386.1	1386.1	1384.4
20°	1294.0	1320.1	1307.9	1314.9	1311.4	1314.9	1339.1	1335.8	1353.1	1353.1	1353.1
22.5°	1255.8	1281.9	1268.0	1274.9	1271.4	1276.6	1299.2	1299.2	1313.1	1314.9	1316.6
25°	1212.4	1238.4	1224.5	1233.2	1229.8	1233.2	1254.1	1255.8	1268.0	1268.0	1271.4
27.5°	1160.2	1186.4	1172.4	1179.4	1177.6	1179.4	1202.0	1205.4	1212.4	1214.1	1217.6
30°	1097.8	1122.0	1108.1	1115.1	1115.1	1115.1	1137.8	1139.4	1146.4	1148.1	1151.6
32.5°	1024.8	1045.6	1035.2	1042.1	1040.4	1043.9	1059.5	1066.5	1075.1	1073.4	1075.1
35°	941.4	964.0	953.6	958.8	960.5	965.8	976.1	984.9	986.6	988.4	991.8
37.5°	851.1	873.6	863.2	868.5	870.2	880.6	884.1	892.8	896.2	896.2	896.2
40°	764.2	774.6	766.0	771.2	772.9	781.6	785.1	792.0	795.5	793.8	792.0
42.5°	670.5	679.1	670.5	675.6	675.6	682.6	684.4	693.0	693.0	689.6	684.4
45°	578.4	587.1	578.4	581.9	581.9	588.9	588.9	588.9	592.2	587.1	578.4
47.5°	491.5	500.2	491.5	495.0	493.2	498.5	496.8	498.5	493.2	489.9	479.4
50°	413.4	416.9	413.4	411.6	413.4	416.9	415.1	415.1	408.1	403.0	390.8
52.5°	337.0	342.1	337.0	337.0	337.0	340.5	340.5	338.8	331.8	324.8	312.6
55°	272.8	276.1	274.4	272.8	272.8	276.1	272.8	272.8	265.8	260.5	248.4
57.5°	217.1	218.9	217.1	217.1	217.1	218.9	218.9	215.4	210.1	205.0	196.2
60°	168.5	170.2	170.2	168.5	168.5	172.0	172.0	170.2	165.0	161.5	152.9
62.5°	133.8	133.8	133.8	133.8	133.8	135.5	135.5	135.5	132.0	128.5	121.6
65°	106.0	107.8	106.0	106.0	107.8	109.4	107.8	109.4	106.0	104.2	99.0
67.5°	81.6	83.4	81.6	83.4	83.4	85.1	83.4	85.1	81.6	79.9	76.4
70°	62.5	62.5	62.5	62.5	62.5	64.2	62.5	64.2	62.5	60.8	57.4
72.5°	46.9	46.9	48.6	48.6	46.9	48.6	46.9	46.9	46.9	45.1	43.4
75°	34.8	34.8	36.5	34.8	34.8	34.8	34.8	34.8	33.0	33.0	31.2
77.5°	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	22.6	22.6	20.9
80°	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	13.9	13.9
82.5°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	8.6	8.6
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°	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0
2.5°	1469.5	1474.6	1474.6	1469.5	1481.6	1471.1	1492.0	1472.9	1478.1	1495.5	1493.8
5°	1464.2	1471.1	1472.9	1469.5	1485.1	1476.4	1497.2	1478.1	1486.9	1504.1	1504.1
7.5°	1457.2	1466.0	1469.5	1472.9	1486.9	1478.1	1502.5	1483.4	1495.5	1516.4	1514.6
10°	1441.6	1453.9	1460.8	1466.0	1479.9	1474.6	1500.8	1485.1	1495.5	1519.9	1518.1
12.5°	1433.0	1446.9	1457.2	1466.0	1481.6	1478.1	1504.1	1490.2	1504.1	1528.5	1528.5
15°	1426.0	1441.6	1453.9	1469.5	1485.1	1481.6	1509.4	1497.2	1511.1	1540.6	1538.9
17.5°	1408.6	1427.8	1439.9	1457.2	1472.9	1471.1	1500.8	1492.0	1507.6	1535.5	1537.1
20°	1379.1	1396.5	1410.4	1431.2	1448.6	1445.1	1476.4	1467.8	1483.4	1512.9	1514.6
22.5°	1340.9	1358.2	1372.1	1394.8	1410.4	1408.6	1439.9	1431.2	1446.9	1474.6	1476.4
25°	1295.8	1311.4	1325.2	1346.1	1363.5	1363.5	1391.2	1382.6	1400.0	1427.8	1427.8
27.5°	1240.1	1254.1	1266.2	1290.5	1304.5	1304.5	1330.5	1321.8	1339.1	1363.5	1361.8
30°	1172.4	1184.6	1195.0	1215.9	1228.0	1229.8	1252.4	1243.6	1261.0	1281.9	1281.9
32.5°	1090.8	1103.0	1109.9	1136.0	1144.6	1142.9	1160.2	1151.6	1169.0	1191.5	1186.4
35°	1004.0	1009.1	1014.4	1040.4	1043.9	1037.0	1054.4	1045.6	1057.8	1080.4	1076.9
37.5°	905.0	906.6	906.6	929.2	931.0	925.8	936.2	925.8	934.5	955.4	953.6
40°	795.5	793.8	792.0	809.4	807.6	797.2	804.2	795.5	807.6	823.2	814.6
42.5°	684.4	679.1	672.2	680.9	673.9	665.2	668.8	654.9	663.5	675.6	665.2
45°	574.9	564.5	550.6	552.4	543.6	533.2	528.0	514.1	512.4	524.5	515.9
47.5°	472.5	451.6	439.5	432.5	418.6	409.9	399.5	383.9	376.9	383.9	375.1
50°	380.4	359.5	343.9	328.2	314.4	304.0	286.6	276.1	265.8	267.5	260.5
52.5°	300.5	286.6	260.5	248.4	234.5	222.4	206.8	194.5	182.4	182.4	175.4
55°	238.0	218.9	201.5	184.1	170.2	159.8	144.1	132.0	119.9	118.1	111.1
57.5°	184.1	170.2	151.1	133.8	125.0	114.6	99.0	85.1	78.1	73.0	67.8
60°	142.4	128.5	112.9	99.0	88.6	81.6	66.0	55.6	48.6	45.1	40.0
62.5°	114.6	102.5	88.6	74.8	67.8	60.8	48.6	40.0	33.0	29.5	26.0
65°	92.0	81.6	71.2	60.8	55.6	48.6	40.0	33.0	27.8	24.4	20.9
67.5°	71.2	64.2	55.6	48.6	43.4	38.2	31.2	26.0	22.6	19.1	17.4
70°	53.9	48.6	43.4	36.5	33.0	29.5	24.4	19.1	17.4	15.6	13.9
72.5°	41.6	36.5	31.2	27.8	24.4	22.6	19.1	15.6	13.9	12.1	10.4
75°	27.8	26.0	22.6	19.1	17.4	15.6	13.9	12.1	10.4	8.6	8.6
77.5°	19.1	17.4	15.6	13.9	12.1	12.1	10.4	8.6	7.0	7.0	5.2
80°	12.1	10.4	10.4	8.6	8.6	8.6	7.0	5.2	5.2	5.2	3.5
82.5°	8.6	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°	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0
2.5°	1479.9	1495.5	1495.5	1509.4	1511.1	1507.6	1492.0	1492.0	1512.9	1525.0	1504.1
5°	1493.8	1509.4	1509.4	1523.2	1530.2	1525.0	1509.4	1511.1	1532.0	1545.9	1525.0
7.5°	1505.9	1521.5	1525.0	1540.6	1545.9	1540.6	1525.0	1528.5	1551.1	1563.2	1542.4
10°	1511.1	1526.8	1528.5	1545.9	1552.9	1545.9	1533.8	1535.5	1559.8	1568.5	1549.4
12.5°	1523.2	1538.9	1538.9	1558.0	1565.0	1559.8	1544.1	1547.6	1571.9	1580.6	1561.5
15°	1535.5	1551.1	1551.1	1571.9	1580.6	1573.6	1561.5	1563.2	1587.5	1596.2	1580.6
17.5°	1535.5	1549.4	1549.4	1571.9	1580.6	1575.4	1561.5	1563.2	1589.2	1596.2	1580.6
20°	1512.9	1528.5	1525.0	1547.6	1556.2	1551.1	1538.9	1538.9	1565.0	1571.9	1556.2
22.5°	1476.4	1490.2	1486.9	1507.6	1518.1	1511.1	1500.8	1499.0	1525.0	1532.0	1516.4
25°	1426.0	1439.9	1436.5	1457.2	1467.8	1459.0	1446.9	1448.6	1469.5	1479.9	1466.0
27.5°	1367.0	1375.6	1370.5	1391.2	1401.8	1393.0	1380.9	1382.6	1403.5	1410.4	1400.0
30°	1287.1	1294.0	1288.8	1306.1	1313.1	1307.9	1297.5	1297.5	1316.6	1325.2	1314.9
32.5°	1191.5	1196.8	1191.5	1205.4	1219.4	1208.9	1198.5	1198.5	1219.4	1226.2	1214.1
35°	1080.4	1085.6	1082.1	1096.0	1106.4	1092.5	1083.9	1080.4	1108.1	1104.8	1097.8
37.5°	957.0	960.5	950.1	974.4	979.6	964.0	957.0	953.6	977.9	976.1	969.2
40°	818.1	821.6	814.6	832.0	833.8	821.6	816.4	811.1	835.5	833.8	828.5
42.5°	670.5	672.2	663.5	677.4	680.9	668.8	667.0	660.0	682.6	679.1	677.4
45°	517.6	517.6	510.6	521.1	524.5	514.1	510.6	508.9	524.5	524.5	521.1
47.5°	375.1	370.0	361.2	376.9	378.6	371.8	370.0	364.8	380.4	380.4	376.9
50°	257.1	255.4	253.6	257.1	258.8	250.1	255.4	250.1	258.8	258.8	258.8
52.5°	172.0	170.2	166.8	170.2	170.2	165.0	165.0	163.2	170.2	170.2	166.8
55°	107.8	106.0	104.2	106.0	106.0	100.8	104.2	100.8	104.2	104.2	102.5
57.5°	66.0	62.5	62.5	60.8	60.8	57.4	59.0	59.0	59.0	59.0	59.0
60°	38.2	36.5	34.8	34.8	34.8	33.0	33.0	33.0	33.0	33.0	33.0
62.5°	24.4	24.4	22.6	22.6	22.6	22.6	22.6	20.9	22.6	22.6	22.6
65°	20.9	19.1	19.1	19.1	19.1	17.4	17.4	17.4	17.4	17.4	17.4
67.5°	17.4	15.6	15.6	15.6	15.6	13.9	13.9	13.9	13.9	13.9	13.9
70°	13.9	12.1	12.1	12.1	12.1	12.1	10.4	12.1	12.1	10.4	10.4
72.5°	10.4	10.4	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
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: P212798

CATALOG NUMBER: LE\_6B20D010 EC6B10208035 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0
2.5°	1528.5	1511.1	1502.5	1519.9	1526.8	1518.1	1511.1	1499.0	1511.1	1518.1	1526.8
5°	1549.4	1533.8	1526.8	1538.9	1549.4	1540.6	1535.5	1523.2	1535.5	1540.6	1549.4
7.5°	1568.5	1552.9	1544.1	1556.2	1568.5	1556.2	1551.1	1540.6	1551.1	1556.2	1568.5
10°	1575.4	1558.0	1551.1	1561.5	1573.6	1561.5	1554.5	1547.6	1554.5	1561.5	1573.6
12.5°	1587.5	1570.2	1561.5	1570.2	1582.4	1570.2	1563.2	1558.0	1563.2	1570.2	1582.4
15°	1604.9	1589.2	1578.9	1587.5	1603.2	1589.2	1580.6	1578.9	1580.6	1589.2	1603.2
17.5°	1604.9	1592.8	1582.4	1589.2	1604.9	1594.5	1582.4	1585.9	1582.4	1594.5	1604.9
20°	1582.4	1570.2	1561.5	1561.5	1584.1	1570.2	1559.8	1565.0	1559.8	1570.2	1584.1
22.5°	1542.4	1532.0	1523.2	1521.5	1544.1	1532.0	1518.1	1528.5	1518.1	1532.0	1544.1
25°	1490.2	1479.9	1472.9	1469.5	1492.0	1478.1	1466.0	1476.4	1466.0	1478.1	1492.0
27.5°	1422.5	1413.9	1406.9	1401.8	1422.5	1410.4	1398.2	1408.6	1398.2	1410.4	1422.5
30°	1335.8	1330.5	1323.5	1316.6	1337.5	1325.2	1313.1	1327.0	1313.1	1325.2	1337.5
32.5°	1235.0	1231.5	1222.8	1215.9	1236.8	1222.8	1214.1	1224.5	1214.1	1222.8	1236.8
35°	1118.6	1113.4	1108.1	1096.0	1118.6	1106.4	1106.4	1109.9	1106.4	1106.4	1118.6
37.5°	988.4	984.9	977.9	967.5	986.6	977.9	974.4	984.9	974.4	977.9	986.6
40°	842.4	840.6	835.5	823.2	844.1	835.5	830.2	844.1	830.2	835.5	844.1
42.5°	689.6	686.1	680.9	679.1	689.6	682.6	687.9	687.9	687.9	682.6	689.6
45°	531.5	528.0	524.5	517.6	529.8	526.2	524.5	528.0	524.5	526.2	529.8
47.5°	385.6	382.1	378.6	373.5	385.6	380.4	380.4	383.9	380.4	380.4	385.6
50°	258.8	260.5	258.8	255.4	258.8	257.1	258.8	262.2	258.8	257.1	258.8
52.5°	172.0	172.0	168.5	166.8	170.2	168.5	173.8	170.2	173.8	168.5	170.2
55°	104.2	106.0	104.2	102.5	104.2	102.5	107.8	106.0	107.8	102.5	104.2
57.5°	59.0	59.0	60.8	59.0	62.5	60.8	60.8	60.8	60.8	60.8	62.5
60°	33.0	33.0	33.0	33.0	33.0	33.0	34.8	33.0	34.8	33.0	33.0
62.5°	22.6	22.6	22.6	20.9	22.6	20.9	22.6	22.6	22.6	20.9	22.6
65°	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
67.5°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
70°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
72.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
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: P212798

CATALOG NUMBER: LE\_6B20D010 EC6B10208035 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0
2.5°	1519.9	1502.5	1511.1	1528.5	1504.1	1525.0	1512.9	1492.0	1492.0	1507.6	1511.1
5°	1538.9	1526.8	1533.8	1549.4	1525.0	1545.9	1532.0	1511.1	1509.4	1525.0	1530.2
7.5°	1556.2	1544.1	1552.9	1568.5	1542.4	1563.2	1551.1	1528.5	1525.0	1540.6	1545.9
10°	1561.5	1551.1	1558.0	1575.4	1549.4	1568.5	1559.8	1535.5	1533.8	1545.9	1552.9
12.5°	1570.2	1561.5	1570.2	1587.5	1561.5	1580.6	1571.9	1547.6	1544.1	1559.8	1565.0
15°	1587.5	1578.9	1589.2	1604.9	1580.6	1596.2	1587.5	1563.2	1561.5	1573.6	1580.6
17.5°	1589.2	1582.4	1592.8	1604.9	1580.6	1596.2	1589.2	1563.2	1561.5	1575.4	1580.6
20°	1561.5	1561.5	1570.2	1582.4	1556.2	1571.9	1565.0	1538.9	1538.9	1551.1	1556.2
22.5°	1521.5	1523.2	1532.0	1542.4	1516.4	1532.0	1525.0	1499.0	1500.8	1511.1	1518.1
25°	1469.5	1472.9	1479.9	1490.2	1466.0	1479.9	1469.5	1448.6	1446.9	1459.0	1467.8
27.5°	1401.8	1406.9	1413.9	1422.5	1400.0	1410.4	1403.5	1382.6	1380.9	1393.0	1401.8
30°	1316.6	1323.5	1330.5	1335.8	1314.9	1325.2	1316.6	1297.5	1297.5	1307.9	1313.1
32.5°	1215.9	1222.8	1231.5	1235.0	1214.1	1226.2	1219.4	1198.5	1198.5	1208.9	1219.4
35°	1096.0	1108.1	1113.4	1118.6	1097.8	1104.8	1108.1	1080.4	1083.9	1092.5	1106.4
37.5°	967.5	977.9	984.9	988.4	969.2	976.1	977.9	953.6	957.0	964.0	979.6
40°	823.2	835.5	840.6	842.4	828.5	833.8	835.5	811.1	816.4	821.6	833.8
42.5°	679.1	680.9	686.1	689.6	677.4	679.1	682.6	660.0	667.0	668.8	680.9
45°	517.6	524.5	528.0	531.5	521.1	524.5	524.5	508.9	510.6	514.1	524.5
47.5°	373.5	378.6	382.1	385.6	376.9	380.4	380.4	364.8	370.0	371.8	378.6
50°	255.4	258.8	260.5	258.8	258.8	258.8	258.8	250.1	255.4	250.1	258.8
52.5°	166.8	168.5	172.0	172.0	166.8	170.2	170.2	163.2	165.0	165.0	170.2
55°	102.5	104.2	106.0	104.2	102.5	104.2	104.2	100.8	104.2	100.8	106.0
57.5°	59.0	60.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	57.4	60.8
60°	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	34.8
62.5°	20.9	22.6	22.6	22.6	22.6	22.6	22.6	20.9	22.6	22.6	22.6
65°	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	19.1
67.5°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	15.6
70°	10.4	10.4	10.4	10.4	10.4	10.4	12.1	12.1	10.4	12.1	12.1
72.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
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: P212798

CATALOG NUMBER: LE\_6B20D010 EC6B10208035 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0
2.5°	1509.4	1495.5	1495.5	1479.9	1493.8	1495.5	1478.1	1472.9	1492.0	1471.1	1481.6
5°	1523.2	1509.4	1509.4	1493.8	1504.1	1504.1	1486.9	1478.1	1497.2	1476.4	1485.1
7.5°	1540.6	1525.0	1521.5	1505.9	1514.6	1516.4	1495.5	1483.4	1502.5	1478.1	1486.9
10°	1545.9	1528.5	1526.8	1511.1	1518.1	1519.9	1495.5	1485.1	1500.8	1474.6	1479.9
12.5°	1558.0	1538.9	1538.9	1523.2	1528.5	1528.5	1504.1	1490.2	1504.1	1478.1	1481.6
15°	1571.9	1551.1	1551.1	1535.5	1538.9	1540.6	1511.1	1497.2	1509.4	1481.6	1485.1
17.5°	1571.9	1549.4	1549.4	1535.5	1537.1	1535.5	1507.6	1492.0	1500.8	1471.1	1472.9
20°	1547.6	1525.0	1528.5	1512.9	1514.6	1512.9	1483.4	1467.8	1476.4	1445.1	1448.6
22.5°	1507.6	1486.9	1490.2	1476.4	1476.4	1474.6	1446.9	1431.2	1439.9	1408.6	1410.4
25°	1457.2	1436.5	1439.9	1426.0	1427.8	1427.8	1400.0	1382.6	1391.2	1363.5	1363.5
27.5°	1391.2	1370.5	1375.6	1367.0	1361.8	1363.5	1339.1	1321.8	1330.5	1304.5	1304.5
30°	1306.1	1288.8	1294.0	1287.1	1281.9	1281.9	1261.0	1243.6	1252.4	1229.8	1228.0
32.5°	1205.4	1191.5	1196.8	1191.5	1186.4	1191.5	1169.0	1151.6	1160.2	1142.9	1144.6
35°	1096.0	1082.1	1085.6	1080.4	1076.9	1080.4	1057.8	1045.6	1054.4	1037.0	1043.9
37.5°	974.4	950.1	960.5	957.0	953.6	955.4	934.5	925.8	936.2	925.8	931.0
40°	832.0	814.6	821.6	818.1	814.6	823.2	807.6	795.5	804.2	797.2	807.6
42.5°	677.4	663.5	672.2	670.5	665.2	675.6	663.5	654.9	668.8	665.2	673.9
45°	521.1	510.6	517.6	517.6	515.9	524.5	512.4	514.1	528.0	533.2	543.6
47.5°	376.9	361.2	370.0	375.1	375.1	383.9	376.9	383.9	399.5	409.9	418.6
50°	257.1	253.6	255.4	257.1	260.5	267.5	265.8	276.1	286.6	304.0	314.4
52.5°	170.2	166.8	170.2	172.0	175.4	182.4	182.4	194.5	206.8	222.4	234.5
55°	106.0	104.2	106.0	107.8	111.1	118.1	119.9	132.0	144.1	159.8	170.2
57.5°	60.8	62.5	62.5	66.0	67.8	73.0	78.1	85.1	99.0	114.6	125.0
60°	34.8	34.8	36.5	38.2	40.0	45.1	48.6	55.6	66.0	81.6	88.6
62.5°	22.6	22.6	24.4	24.4	26.0	29.5	33.0	40.0	48.6	60.8	67.8
65°	19.1	19.1	19.1	20.9	20.9	24.4	27.8	33.0	40.0	48.6	55.6
67.5°	15.6	15.6	15.6	17.4	17.4	19.1	22.6	26.0	31.2	38.2	43.4
70°	12.1	12.1	12.1	13.9	13.9	15.6	17.4	19.1	24.4	29.5	33.0
72.5°	8.6	8.6	10.4	10.4	10.4	12.1	13.9	15.6	19.1	22.6	24.4
75°	7.0	7.0	7.0	7.0	8.6	8.6	10.4	12.1	13.9	15.6	17.4
77.5°	3.5	3.5	5.2	5.2	5.2	7.0	7.0	8.6	10.4	12.1	12.1
80°	3.5	3.5	3.5	3.5	3.5	5.2	5.2	5.2	7.0	8.6	8.6
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: P212798

CATALOG NUMBER: LE\_6B20D010 EC6B10208035 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0	1492.0
2.5°	1469.5	1474.6	1474.6	1469.5	1455.5	1467.8	1479.9	1467.8	1483.4	1455.5	1455.5
5°	1469.5	1472.9	1471.1	1464.2	1450.4	1460.8	1469.5	1457.2	1469.5	1443.4	1441.6
7.5°	1472.9	1469.5	1466.0	1457.2	1439.9	1446.9	1455.5	1441.6	1453.9	1426.0	1422.5
10°	1466.0	1460.8	1453.9	1441.6	1422.5	1427.8	1433.0	1420.9	1429.5	1401.8	1400.0
12.5°	1466.0	1457.2	1446.9	1433.0	1412.1	1415.6	1420.9	1405.1	1412.1	1386.1	1382.6
15°	1469.5	1453.9	1441.6	1426.0	1403.5	1405.1	1408.6	1391.2	1398.2	1370.5	1368.8
17.5°	1457.2	1439.9	1427.8	1408.6	1384.4	1386.1	1386.1	1368.8	1373.9	1346.1	1344.4
20°	1431.2	1410.4	1396.5	1379.1	1353.1	1353.1	1353.1	1335.8	1339.1	1314.9	1311.4
22.5°	1394.8	1372.1	1358.2	1340.9	1316.6	1314.9	1313.1	1299.2	1299.2	1276.6	1271.4
25°	1346.1	1325.2	1311.4	1295.8	1271.4	1268.0	1268.0	1255.8	1254.1	1233.2	1229.8
27.5°	1290.5	1266.2	1254.1	1240.1	1217.6	1214.1	1212.4	1205.4	1202.0	1179.4	1177.6
30°	1215.9	1195.0	1184.6	1172.4	1151.6	1148.1	1146.4	1139.4	1137.8	1115.1	1115.1
32.5°	1136.0	1109.9	1103.0	1090.8	1075.1	1073.4	1075.1	1066.5	1059.5	1043.9	1040.4
35°	1040.4	1014.4	1009.1	1004.0	991.8	988.4	986.6	984.9	976.1	965.8	960.5
37.5°	929.2	906.6	906.6	905.0	896.2	896.2	896.2	892.8	884.1	880.6	870.2
40°	809.4	792.0	793.8	795.5	792.0	793.8	795.5	792.0	785.1	781.6	772.9
42.5°	680.9	672.2	679.1	684.4	684.4	689.6	693.0	693.0	684.4	682.6	675.6
45°	552.4	550.6	564.5	574.9	578.4	587.1	592.2	588.9	588.9	588.9	581.9
47.5°	432.5	439.5	451.6	472.5	479.4	489.9	493.2	498.5	496.8	498.5	493.2
50°	328.2	343.9	359.5	380.4	390.8	403.0	408.1	415.1	415.1	416.9	413.4
52.5°	248.4	260.5	286.6	300.5	312.6	324.8	331.8	338.8	340.5	340.5	337.0
55°	184.1	201.5	218.9	238.0	248.4	260.5	265.8	272.8	272.8	276.1	272.8
57.5°	133.8	151.1	170.2	184.1	196.2	205.0	210.1	215.4	218.9	218.9	217.1
60°	99.0	112.9	128.5	142.4	152.9	161.5	165.0	170.2	172.0	172.0	168.5
62.5°	74.8	88.6	102.5	114.6	121.6	128.5	132.0	135.5	135.5	135.5	133.8
65°	60.8	71.2	81.6	92.0	99.0	104.2	106.0	109.4	107.8	109.4	107.8
67.5°	48.6	55.6	64.2	71.2	76.4	79.9	81.6	85.1	83.4	85.1	83.4
70°	36.5	43.4	48.6	53.9	57.4	60.8	62.5	64.2	62.5	64.2	62.5
72.5°	27.8	31.2	36.5	41.6	43.4	45.1	46.9	46.9	46.9	48.6	46.9
75°	19.1	22.6	26.0	27.8	31.2	33.0	33.0	34.8	34.8	34.8	34.8
77.5°	13.9	15.6	17.4	19.1	20.9	22.6	22.6	24.4	24.4	24.4	24.4
80°	8.6	10.4	10.4	12.1	13.9	13.9	15.6	15.6	15.6	15.6	15.6
82.5°	5.2	7.0	7.0	8.6	8.6	8.6	10.4	10.4	10.4	10.4	10.4
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: P212798

CATALOG NUMBER: LE\_6B20D010 EC6B10208035 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	1492.0	1492.0	1492.0	1492.0
2.5°	1469.5	1460.8	1474.6	1453.9
5°	1453.9	1445.1	1462.5	1436.5
7.5°	1434.8	1426.0	1441.6	1415.6
10°	1410.4	1401.8	1415.6	1387.8
12.5°	1389.5	1380.9	1396.5	1370.5
15°	1373.9	1365.2	1379.1	1354.8
17.5°	1349.6	1339.1	1354.8	1328.8
20°	1314.9	1307.9	1320.1	1294.0
22.5°	1274.9	1268.0	1281.9	1255.8
25°	1233.2	1224.5	1238.4	1212.4
27.5°	1179.4	1172.4	1186.4	1160.2
30°	1115.1	1108.1	1122.0	1097.8
32.5°	1042.1	1035.2	1045.6	1024.8
35°	958.8	953.6	964.0	941.4
37.5°	868.5	863.2	873.6	851.1
40°	771.2	766.0	774.6	764.2
42.5°	675.6	670.5	679.1	670.5
45°	581.9	578.4	587.1	578.4
47.5°	495.0	491.5	500.2	491.5
50°	411.6	413.4	416.9	413.4
52.5°	337.0	337.0	342.1	337.0
55°	272.8	274.4	276.1	272.8
57.5°	217.1	217.1	218.9	217.1
60°	168.5	170.2	170.2	168.5
62.5°	133.8	133.8	133.8	133.8
65°	106.0	106.0	107.8	106.0
67.5°	83.4	81.6	83.4	81.6
70°	62.5	62.5	62.5	62.5
72.5°	48.6	48.6	46.9	46.9
75°	34.8	36.5	34.8	34.8
77.5°	24.4	24.4	24.4	24.4
80°	15.6	15.6	15.6	15.6
82.5°	10.4	10.4	10.4	10.4
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)