

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: P212796

Luminaire Tested: **LE\_6B20D010 EC6B10208027 6LBSWL11**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212796  
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 EC6B10208027 6LBSWL1  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2329.0 lumens  
Efficiency: N/A  
Efficacy: 112.0 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.18  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

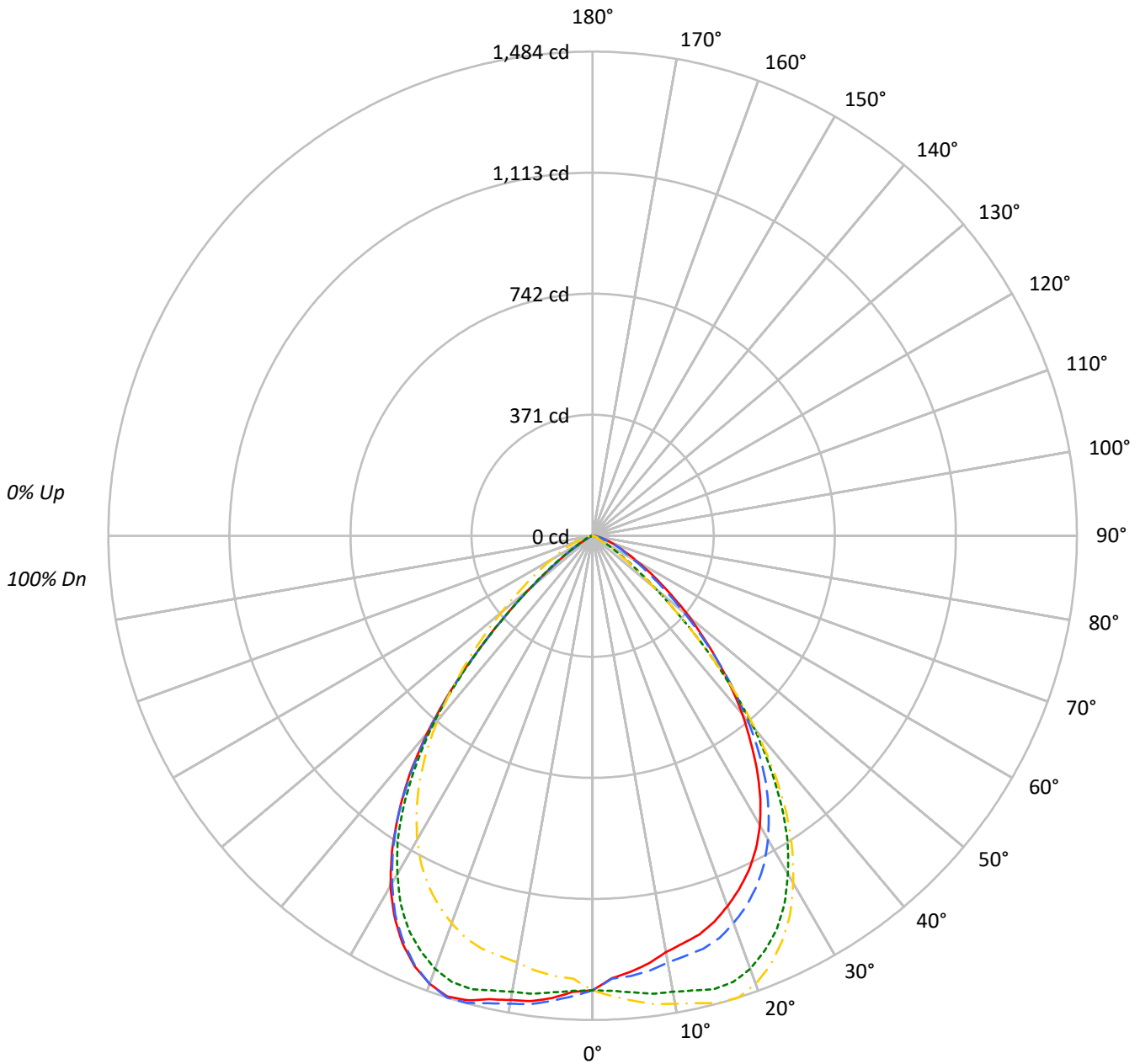
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P212796

CATALOG NUMBER: LE\_6B20D010 EC6B10208027 6LBSWL11

### 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								
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°	76364	76364	76364	76364
5°	73800	77284	78263	77284
10°	72132	78990	80432	78990
15°	71788	81635	83661	81635
20°	70479	82403	85238	82403
25°	68466	80630	83376	80630
30°	64877	75758	78430	75758
35°	58825	67499	69346	67499
40°	51060	55003	56399	55003
45°	41865	37973	38221	37973
50°	32920	21304	20886	21304
55°	24334	10532	9452	10532
60°	17235	4616	3377	4616
65°	12829	2958	2101	2958
70°	9361	2340	1571	2340
75°	6863	1716	1038	1716
80°	4609	1547	505	1547
85°	3082	1006	1006	1006



TEST NUMBER: P212796

CATALOG NUMBER: LE\_6B20D010 EC6B10208027 6LBSWLI1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.4	5.7
10°-20°	395.0	17.0
20°-30°	589.4	25.3
30°-40°	605.6	26.0
40°-50°	392.1	16.8
50°-60°	145.8	6.3
60°-70°	47.9	2.1
70°-80°	16.9	0.7
80°-90°	3.0	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°	1117.7	48.0
0°-40°	1723.3	74.0
0°-60°	2261.2	97.1
0°-90°	2329.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2329.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1393	1393	1393	1393	1393	
5°	1341	1404	1422	1404	1341	127
15°	1265	1438	1474	1438	1265	356
25°	1132	1333	1378	1333	1132	519
35°	879	1009	1036	1009	879	546
45°	540	490	493	490	540	418
55°	255	110	99	110	255	232
65°	99	23	16	23	99	101
75°	32	8	5	8	32	36
85°	5	2	2	2	5	6
90°	0	0	0	0	0	



TEST NUMBER: P212796

CATALOG NUMBER: LE\_6B20D010 EC6B10208027 6LBSWLI1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0
2.5°	1357.4	1376.8	1363.9	1371.9	1359.0	1359.0	1384.9	1370.4	1381.6	1370.4	1359.0
5°	1341.1	1365.5	1349.2	1357.4	1346.0	1347.6	1371.9	1360.6	1371.9	1363.9	1354.1
7.5°	1321.6	1346.0	1331.4	1339.5	1328.1	1331.4	1357.4	1346.0	1359.0	1350.9	1344.4
10°	1295.8	1321.6	1308.8	1316.8	1307.1	1308.8	1334.6	1326.5	1337.9	1333.0	1328.1
12.5°	1279.5	1303.9	1289.2	1297.4	1290.9	1294.1	1318.4	1311.9	1326.5	1321.6	1318.4
15°	1264.9	1287.6	1274.6	1282.8	1277.9	1279.5	1305.5	1299.0	1315.1	1311.9	1310.2
17.5°	1240.6	1264.9	1250.2	1260.0	1255.1	1256.8	1282.8	1277.9	1294.1	1294.1	1292.5
20°	1208.1	1232.5	1221.1	1227.6	1224.4	1227.6	1250.2	1247.1	1263.2	1263.2	1263.2
22.5°	1172.5	1196.8	1183.9	1190.2	1187.1	1191.9	1213.0	1213.0	1226.0	1227.6	1229.2
25°	1131.9	1156.2	1143.2	1151.4	1148.1	1151.4	1170.9	1172.5	1183.9	1183.9	1187.1
27.5°	1083.2	1107.6	1094.6	1101.1	1099.5	1101.1	1122.2	1125.5	1131.9	1133.5	1136.8
30°	1024.9	1047.6	1034.6	1041.1	1041.1	1041.1	1062.2	1063.9	1070.2	1071.9	1075.1
32.5°	956.8	976.2	966.5	973.0	971.4	974.6	989.2	995.8	1003.9	1002.2	1003.9
35°	879.0	900.0	890.2	895.1	896.8	901.6	911.4	919.5	921.1	922.8	926.0
37.5°	794.6	815.8	806.0	810.9	812.5	822.2	825.4	833.5	836.8	836.8	836.8
40°	713.5	723.2	715.1	720.0	721.6	729.8	733.0	739.5	742.8	741.1	739.5
42.5°	626.0	634.1	626.0	630.9	630.9	637.4	639.0	647.0	647.0	643.8	639.0
45°	540.0	548.1	540.0	543.2	543.2	549.8	549.8	549.8	553.0	548.1	540.0
47.5°	458.9	467.0	458.9	462.1	460.5	465.4	463.8	465.4	460.5	457.2	447.6
50°	386.0	389.2	386.0	384.4	386.0	389.2	387.6	387.6	381.1	376.2	364.9
52.5°	314.6	319.5	314.6	314.6	314.6	317.9	317.9	316.2	309.8	303.2	291.9
55°	254.6	257.9	256.2	254.6	254.6	257.9	254.6	254.6	248.1	243.2	231.9
57.5°	202.8	204.4	202.8	202.8	202.8	204.4	204.4	201.1	196.2	191.4	183.2
60°	157.2	158.9	158.9	157.2	157.2	160.5	160.5	158.9	154.0	150.9	142.8
62.5°	124.9	124.9	124.9	124.9	124.9	126.5	126.5	126.5	123.2	120.0	113.5
65°	98.9	100.5	98.9	98.9	100.5	102.1	100.5	102.1	98.9	97.2	92.4
67.5°	76.2	77.9	76.2	77.9	77.9	79.5	77.9	79.5	76.2	74.6	71.4
70°	58.4	58.4	58.4	58.4	58.4	60.0	58.4	60.0	58.4	56.8	53.5
72.5°	43.8	43.8	45.4	45.4	43.8	45.4	43.8	43.8	43.8	42.1	40.5
75°	32.4	32.4	34.0	32.4	32.4	32.4	32.4	32.4	30.8	30.8	29.2
77.5°	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	21.1	21.1	19.5
80°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0	13.0
82.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	8.1	8.1
85°	4.9	4.9	4.9	6.5	4.9	4.9	4.9	4.9	4.9	4.9	4.9
87.5°	1.6	1.6	1.6	3.2	1.6	1.6	3.2	3.2	1.6	1.6	1.6
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: P212796

CATALOG NUMBER: LE\_6B20D010 EC6B10208027 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0
2.5°	1371.9	1376.8	1376.8	1371.9	1383.2	1373.5	1393.0	1375.1	1380.0	1396.2	1394.6
5°	1367.1	1373.5	1375.1	1371.9	1386.5	1378.4	1397.9	1380.0	1388.1	1404.4	1404.4
7.5°	1360.6	1368.8	1371.9	1375.1	1388.1	1380.0	1402.8	1384.9	1396.2	1415.8	1414.1
10°	1346.0	1357.4	1363.9	1368.8	1381.6	1376.8	1401.1	1386.5	1396.2	1419.0	1417.4
12.5°	1337.9	1350.9	1360.6	1368.8	1383.2	1380.0	1404.4	1391.4	1404.4	1427.1	1427.1
15°	1331.4	1346.0	1357.4	1371.9	1386.5	1383.2	1409.2	1397.9	1410.9	1438.4	1436.8
17.5°	1315.1	1333.0	1344.4	1360.6	1375.1	1373.5	1401.1	1393.0	1407.6	1433.5	1435.1
20°	1287.6	1303.9	1316.8	1336.2	1352.5	1349.2	1378.4	1370.4	1384.9	1412.5	1414.1
22.5°	1251.9	1268.1	1281.1	1302.2	1316.8	1315.1	1344.4	1336.2	1350.9	1376.8	1378.4
25°	1209.8	1224.4	1237.4	1256.8	1273.0	1273.0	1299.0	1290.9	1307.1	1333.0	1333.0
27.5°	1157.9	1170.9	1182.2	1204.9	1217.9	1217.9	1242.2	1234.1	1250.2	1273.0	1271.4
30°	1094.6	1106.0	1115.8	1135.1	1146.5	1148.1	1169.2	1161.1	1177.4	1196.8	1196.8
32.5°	1018.4	1029.8	1036.2	1060.6	1068.6	1067.0	1083.2	1075.1	1091.4	1112.5	1107.6
35°	937.4	942.2	947.0	971.4	974.6	968.1	984.4	976.2	987.6	1008.6	1005.4
37.5°	844.9	846.5	846.5	867.6	869.2	864.4	874.1	864.4	872.5	891.9	890.2
40°	742.8	741.1	739.5	755.8	754.1	744.4	750.9	742.8	754.1	768.6	760.6
42.5°	639.0	634.1	627.6	635.8	629.2	621.1	624.4	611.4	619.5	630.9	621.1
45°	536.8	527.0	514.1	515.8	507.6	497.9	493.0	480.0	478.4	489.8	481.6
47.5°	441.1	421.6	410.2	403.8	390.9	382.8	373.0	358.4	351.9	358.4	350.2
50°	355.1	335.6	321.1	306.5	293.5	283.8	267.6	257.9	248.1	249.8	243.2
52.5°	280.5	267.6	243.2	231.9	218.9	207.6	193.0	181.6	170.2	170.2	163.8
55°	222.1	204.4	188.1	171.9	158.9	149.2	134.6	123.2	111.9	110.2	103.8
57.5°	171.9	158.9	141.1	124.9	116.8	107.0	92.4	79.5	73.0	68.1	63.2
60°	133.0	120.0	105.4	92.4	82.8	76.2	61.6	51.9	45.4	42.1	37.2
62.5°	107.0	95.6	82.8	69.8	63.2	56.8	45.4	37.2	30.8	27.6	24.4
65°	86.0	76.2	66.5	56.8	51.9	45.4	37.2	30.8	26.0	22.8	19.5
67.5°	66.5	60.0	51.9	45.4	40.5	35.6	29.2	24.4	21.1	17.9	16.2
70°	50.2	45.4	40.5	34.0	30.8	27.6	22.8	17.9	16.2	14.6	13.0
72.5°	38.9	34.0	29.2	26.0	22.8	21.1	17.9	14.6	13.0	11.4	9.8
75°	26.0	24.4	21.1	17.9	16.2	14.6	13.0	11.4	9.8	8.1	8.1
77.5°	17.9	16.2	14.6	13.0	11.4	11.4	9.8	8.1	6.5	6.5	4.9
80°	11.4	9.8	9.8	8.1	8.1	8.1	6.5	4.9	4.9	4.9	3.2
82.5°	8.1	6.5	6.5	4.9	4.9	4.9	4.9	3.2	3.2	3.2	1.6
85°	4.9	3.2	3.2	3.2	3.2	3.2	3.2	1.6	1.6	1.6	1.6
87.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	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: P212796

CATALOG NUMBER: LE\_6B20D010 EC6B10208027 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0
2.5°	1381.6	1396.2	1396.2	1409.2	1410.9	1407.6	1393.0	1393.0	1412.5	1423.9	1404.4
5°	1394.6	1409.2	1409.2	1422.2	1428.8	1423.9	1409.2	1410.9	1430.4	1443.2	1423.9
7.5°	1406.0	1420.6	1423.9	1438.4	1443.2	1438.4	1423.9	1427.1	1448.1	1459.5	1440.0
10°	1410.9	1425.5	1427.1	1443.2	1449.8	1443.2	1431.9	1433.5	1456.2	1464.4	1446.5
12.5°	1422.2	1436.8	1436.8	1454.6	1461.1	1456.2	1441.6	1444.9	1467.6	1475.8	1457.9
15°	1433.5	1448.1	1448.1	1467.6	1475.8	1469.2	1457.9	1459.5	1482.2	1490.4	1475.8
17.5°	1433.5	1446.5	1446.5	1467.6	1475.8	1470.9	1457.9	1459.5	1483.9	1490.4	1475.8
20°	1412.5	1427.1	1423.9	1444.9	1453.0	1448.1	1436.8	1436.8	1461.1	1467.6	1453.0
22.5°	1378.4	1391.4	1388.1	1407.6	1417.4	1410.9	1401.1	1399.5	1423.9	1430.4	1415.8
25°	1331.4	1344.4	1341.1	1360.6	1370.4	1362.2	1350.9	1352.5	1371.9	1381.6	1368.8
27.5°	1276.2	1284.4	1279.5	1299.0	1308.8	1300.6	1289.2	1290.9	1310.2	1316.8	1307.1
30°	1201.6	1208.1	1203.2	1219.5	1226.0	1221.1	1211.4	1211.4	1229.2	1237.4	1227.6
32.5°	1112.5	1117.4	1112.5	1125.5	1138.4	1128.6	1119.0	1119.0	1138.4	1144.9	1133.5
35°	1008.6	1013.5	1010.2	1023.2	1033.0	1020.0	1011.9	1008.6	1034.6	1031.4	1024.9
37.5°	893.5	896.8	887.0	909.8	914.6	900.0	893.5	890.2	913.0	911.4	904.9
40°	763.8	767.0	760.6	776.8	778.4	767.0	762.1	757.4	780.0	778.4	773.5
42.5°	626.0	627.6	619.5	632.5	635.8	624.4	622.8	616.2	637.4	634.1	632.5
45°	483.2	483.2	476.8	486.5	489.8	480.0	476.8	475.1	489.8	489.8	486.5
47.5°	350.2	345.4	337.2	351.9	353.5	347.0	345.4	340.5	355.1	355.1	351.9
50°	240.0	238.4	236.8	240.0	241.6	233.5	238.4	233.5	241.6	241.6	241.6
52.5°	160.5	158.9	155.6	158.9	158.9	154.0	154.0	152.4	158.9	158.9	155.6
55°	100.5	98.9	97.2	98.9	98.9	94.0	97.2	94.0	97.2	97.2	95.6
57.5°	61.6	58.4	58.4	56.8	56.8	53.5	55.1	55.1	55.1	55.1	55.1
60°	35.6	34.0	32.4	32.4	32.4	30.8	30.8	30.8	30.8	30.8	30.8
62.5°	22.8	22.8	21.1	21.1	21.1	21.1	21.1	19.5	21.1	21.1	21.1
65°	19.5	17.9	17.9	17.9	17.9	16.2	16.2	16.2	16.2	16.2	16.2
67.5°	16.2	14.6	14.6	14.6	14.6	13.0	13.0	13.0	13.0	13.0	13.0
70°	13.0	11.4	11.4	11.4	11.4	11.4	9.8	11.4	11.4	9.8	9.8
72.5°	9.8	9.8	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
75°	6.5	6.5	6.5	6.5	6.5	4.9	4.9	4.9	4.9	4.9	4.9
77.5°	4.9	4.9	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
80°	3.2	3.2	3.2	3.2	3.2	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
85°	1.6	1.6	1.6	1.6	1.6	0.0	1.6	0.0	1.6	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: P212796

CATALOG NUMBER: LE\_6B20D010 EC6B10208027 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0
2.5°	1427.1	1410.9	1402.8	1419.0	1425.5	1417.4	1410.9	1399.5	1410.9	1417.4	1425.5
5°	1446.5	1431.9	1425.5	1436.8	1446.5	1438.4	1433.5	1422.2	1433.5	1438.4	1446.5
7.5°	1464.4	1449.8	1441.6	1453.0	1464.4	1453.0	1448.1	1438.4	1448.1	1453.0	1464.4
10°	1470.9	1454.6	1448.1	1457.9	1469.2	1457.9	1451.4	1444.9	1451.4	1457.9	1469.2
12.5°	1482.2	1466.0	1457.9	1466.0	1477.4	1466.0	1459.5	1454.6	1459.5	1466.0	1477.4
15°	1498.4	1483.9	1474.1	1482.2	1496.8	1483.9	1475.8	1474.1	1475.8	1483.9	1496.8
17.5°	1498.4	1487.1	1477.4	1483.9	1498.4	1488.8	1477.4	1480.6	1477.4	1488.8	1498.4
20°	1477.4	1466.0	1457.9	1457.9	1479.0	1466.0	1456.2	1461.1	1456.2	1466.0	1479.0
22.5°	1440.0	1430.4	1422.2	1420.6	1441.6	1430.4	1417.4	1427.1	1417.4	1430.4	1441.6
25°	1391.4	1381.6	1375.1	1371.9	1393.0	1380.0	1368.8	1378.4	1368.8	1380.0	1393.0
27.5°	1328.1	1320.0	1313.5	1308.8	1328.1	1316.8	1305.5	1315.1	1305.5	1316.8	1328.1
30°	1247.1	1242.2	1235.8	1229.2	1248.8	1237.4	1226.0	1239.0	1226.0	1237.4	1248.8
32.5°	1153.0	1149.8	1141.6	1135.1	1154.6	1141.6	1133.5	1143.2	1133.5	1141.6	1154.6
35°	1044.4	1039.5	1034.6	1023.2	1044.4	1033.0	1033.0	1036.2	1033.0	1033.0	1044.4
37.5°	922.8	919.5	913.0	903.2	921.1	913.0	909.8	919.5	909.8	913.0	921.1
40°	786.5	784.9	780.0	768.6	788.1	780.0	775.1	788.1	775.1	780.0	788.1
42.5°	643.8	640.5	635.8	634.1	643.8	637.4	642.1	642.1	642.1	637.4	643.8
45°	496.2	493.0	489.8	483.2	494.6	491.4	489.8	493.0	489.8	491.4	494.6
47.5°	360.0	356.8	353.5	348.6	360.0	355.1	355.1	358.4	355.1	355.1	360.0
50°	241.6	243.2	241.6	238.4	241.6	240.0	241.6	244.9	241.6	240.0	241.6
52.5°	160.5	160.5	157.2	155.6	158.9	157.2	162.1	158.9	162.1	157.2	158.9
55°	97.2	98.9	97.2	95.6	97.2	95.6	100.5	98.9	100.5	95.6	97.2
57.5°	55.1	55.1	56.8	55.1	58.4	56.8	56.8	56.8	56.8	56.8	58.4
60°	30.8	30.8	30.8	30.8	30.8	30.8	32.4	30.8	32.4	30.8	30.8
62.5°	21.1	21.1	21.1	19.5	21.1	19.5	21.1	21.1	21.1	19.5	21.1
65°	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
67.5°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
70°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
72.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
75°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
77.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	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: P212796

CATALOG NUMBER: LE\_6B20D010 EC6B10208027 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0
2.5°	1419.0	1402.8	1410.9	1427.1	1404.4	1423.9	1412.5	1393.0	1393.0	1407.6	1410.9
5°	1436.8	1425.5	1431.9	1446.5	1423.9	1443.2	1430.4	1410.9	1409.2	1423.9	1428.8
7.5°	1453.0	1441.6	1449.8	1464.4	1440.0	1459.5	1448.1	1427.1	1423.9	1438.4	1443.2
10°	1457.9	1448.1	1454.6	1470.9	1446.5	1464.4	1456.2	1433.5	1431.9	1443.2	1449.8
12.5°	1466.0	1457.9	1466.0	1482.2	1457.9	1475.8	1467.6	1444.9	1441.6	1456.2	1461.1
15°	1482.2	1474.1	1483.9	1498.4	1475.8	1490.4	1482.2	1459.5	1457.9	1469.2	1475.8
17.5°	1483.9	1477.4	1487.1	1498.4	1475.8	1490.4	1483.9	1459.5	1457.9	1470.9	1475.8
20°	1457.9	1457.9	1466.0	1477.4	1453.0	1467.6	1461.1	1436.8	1436.8	1448.1	1453.0
22.5°	1420.6	1422.2	1430.4	1440.0	1415.8	1430.4	1423.9	1399.5	1401.1	1410.9	1417.4
25°	1371.9	1375.1	1381.6	1391.4	1368.8	1381.6	1371.9	1352.5	1350.9	1362.2	1370.4
27.5°	1308.8	1313.5	1320.0	1328.1	1307.1	1316.8	1310.2	1290.9	1289.2	1300.6	1308.8
30°	1229.2	1235.8	1242.2	1247.1	1227.6	1237.4	1229.2	1211.4	1211.4	1221.1	1226.0
32.5°	1135.1	1141.6	1149.8	1153.0	1133.5	1144.9	1138.4	1119.0	1119.0	1128.6	1138.4
35°	1023.2	1034.6	1039.5	1044.4	1024.9	1031.4	1034.6	1008.6	1011.9	1020.0	1033.0
37.5°	903.2	913.0	919.5	922.8	904.9	911.4	913.0	890.2	893.5	900.0	914.6
40°	768.6	780.0	784.9	786.5	773.5	778.4	780.0	757.4	762.1	767.0	778.4
42.5°	634.1	635.8	640.5	643.8	632.5	634.1	637.4	616.2	622.8	624.4	635.8
45°	483.2	489.8	493.0	496.2	486.5	489.8	489.8	475.1	476.8	480.0	489.8
47.5°	348.6	353.5	356.8	360.0	351.9	355.1	355.1	340.5	345.4	347.0	353.5
50°	238.4	241.6	243.2	241.6	241.6	241.6	241.6	233.5	238.4	233.5	241.6
52.5°	155.6	157.2	160.5	160.5	155.6	158.9	158.9	152.4	154.0	154.0	158.9
55°	95.6	97.2	98.9	97.2	95.6	97.2	97.2	94.0	97.2	94.0	98.9
57.5°	55.1	56.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1	53.5	56.8
60°	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	32.4
62.5°	19.5	21.1	21.1	21.1	21.1	21.1	21.1	19.5	21.1	21.1	21.1
65°	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	17.9
67.5°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	14.6
70°	9.8	9.8	9.8	9.8	9.8	9.8	11.4	11.4	9.8	11.4	11.4
72.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
75°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	6.5
77.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	1.6	0.0	1.6
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: P212796

CATALOG NUMBER: LE\_6B20D010 EC6B10208027 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0
2.5°	1409.2	1396.2	1396.2	1381.6	1394.6	1396.2	1380.0	1375.1	1393.0	1373.5	1383.2
5°	1422.2	1409.2	1409.2	1394.6	1404.4	1404.4	1388.1	1380.0	1397.9	1378.4	1386.5
7.5°	1438.4	1423.9	1420.6	1406.0	1414.1	1415.8	1396.2	1384.9	1402.8	1380.0	1388.1
10°	1443.2	1427.1	1425.5	1410.9	1417.4	1419.0	1396.2	1386.5	1401.1	1376.8	1381.6
12.5°	1454.6	1436.8	1436.8	1422.2	1427.1	1427.1	1404.4	1391.4	1404.4	1380.0	1383.2
15°	1467.6	1448.1	1448.1	1433.5	1436.8	1438.4	1410.9	1397.9	1409.2	1383.2	1386.5
17.5°	1467.6	1446.5	1446.5	1433.5	1435.1	1433.5	1407.6	1393.0	1401.1	1373.5	1375.1
20°	1444.9	1423.9	1427.1	1412.5	1414.1	1412.5	1384.9	1370.4	1378.4	1349.2	1352.5
22.5°	1407.6	1388.1	1391.4	1378.4	1378.4	1376.8	1350.9	1336.2	1344.4	1315.1	1316.8
25°	1360.6	1341.1	1344.4	1331.4	1333.0	1333.0	1307.1	1290.9	1299.0	1273.0	1273.0
27.5°	1299.0	1279.5	1284.4	1276.2	1271.4	1273.0	1250.2	1234.1	1242.2	1217.9	1217.9
30°	1219.5	1203.2	1208.1	1201.6	1196.8	1196.8	1177.4	1161.1	1169.2	1148.1	1146.5
32.5°	1125.5	1112.5	1117.4	1112.5	1107.6	1112.5	1091.4	1075.1	1083.2	1067.0	1068.6
35°	1023.2	1010.2	1013.5	1008.6	1005.4	1008.6	987.6	976.2	984.4	968.1	974.6
37.5°	909.8	887.0	896.8	893.5	890.2	891.9	872.5	864.4	874.1	864.4	869.2
40°	776.8	760.6	767.0	763.8	760.6	768.6	754.1	742.8	750.9	744.4	754.1
42.5°	632.5	619.5	627.6	626.0	621.1	630.9	619.5	611.4	624.4	621.1	629.2
45°	486.5	476.8	483.2	483.2	481.6	489.8	478.4	480.0	493.0	497.9	507.6
47.5°	351.9	337.2	345.4	350.2	350.2	358.4	351.9	358.4	373.0	382.8	390.9
50°	240.0	236.8	238.4	240.0	243.2	249.8	248.1	257.9	267.6	283.8	293.5
52.5°	158.9	155.6	158.9	160.5	163.8	170.2	170.2	181.6	193.0	207.6	218.9
55°	98.9	97.2	98.9	100.5	103.8	110.2	111.9	123.2	134.6	149.2	158.9
57.5°	56.8	58.4	58.4	61.6	63.2	68.1	73.0	79.5	92.4	107.0	116.8
60°	32.4	32.4	34.0	35.6	37.2	42.1	45.4	51.9	61.6	76.2	82.8
62.5°	21.1	21.1	22.8	22.8	24.4	27.6	30.8	37.2	45.4	56.8	63.2
65°	17.9	17.9	17.9	19.5	19.5	22.8	26.0	30.8	37.2	45.4	51.9
67.5°	14.6	14.6	14.6	16.2	16.2	17.9	21.1	24.4	29.2	35.6	40.5
70°	11.4	11.4	11.4	13.0	13.0	14.6	16.2	17.9	22.8	27.6	30.8
72.5°	8.1	8.1	9.8	9.8	9.8	11.4	13.0	14.6	17.9	21.1	22.8
75°	6.5	6.5	6.5	6.5	8.1	8.1	9.8	11.4	13.0	14.6	16.2
77.5°	3.2	3.2	4.9	4.9	4.9	6.5	6.5	8.1	9.8	11.4	11.4
80°	3.2	3.2	3.2	3.2	3.2	4.9	4.9	4.9	6.5	8.1	8.1
82.5°	1.6	1.6	1.6	1.6	1.6	3.2	3.2	3.2	4.9	4.9	4.9
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2	3.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
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: P212796

CATALOG NUMBER: LE\_6B20D010 EC6B10208027 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0
2.5°	1371.9	1376.8	1376.8	1371.9	1359.0	1370.4	1381.6	1370.4	1384.9	1359.0	1359.0
5°	1371.9	1375.1	1373.5	1367.1	1354.1	1363.9	1371.9	1360.6	1371.9	1347.6	1346.0
7.5°	1375.1	1371.9	1368.8	1360.6	1344.4	1350.9	1359.0	1346.0	1357.4	1331.4	1328.1
10°	1368.8	1363.9	1357.4	1346.0	1328.1	1333.0	1337.9	1326.5	1334.6	1308.8	1307.1
12.5°	1368.8	1360.6	1350.9	1337.9	1318.4	1321.6	1326.5	1311.9	1318.4	1294.1	1290.9
15°	1371.9	1357.4	1346.0	1331.4	1310.2	1311.9	1315.1	1299.0	1305.5	1279.5	1277.9
17.5°	1360.6	1344.4	1333.0	1315.1	1292.5	1294.1	1294.1	1277.9	1282.8	1256.8	1255.1
20°	1336.2	1316.8	1303.9	1287.6	1263.2	1263.2	1263.2	1247.1	1250.2	1227.6	1224.4
22.5°	1302.2	1281.1	1268.1	1251.9	1229.2	1227.6	1226.0	1213.0	1213.0	1191.9	1187.1
25°	1256.8	1237.4	1224.4	1209.8	1187.1	1183.9	1183.9	1172.5	1170.9	1151.4	1148.1
27.5°	1204.9	1182.2	1170.9	1157.9	1136.8	1133.5	1131.9	1125.5	1122.2	1101.1	1099.5
30°	1135.1	1115.8	1106.0	1094.6	1075.1	1071.9	1070.2	1063.9	1062.2	1041.1	1041.1
32.5°	1060.6	1036.2	1029.8	1018.4	1003.9	1002.2	1003.9	995.8	989.2	974.6	971.4
35°	971.4	947.0	942.2	937.4	926.0	922.8	921.1	919.5	911.4	901.6	896.8
37.5°	867.6	846.5	846.5	844.9	836.8	836.8	836.8	833.5	825.4	822.2	812.5
40°	755.8	739.5	741.1	742.8	739.5	741.1	742.8	739.5	733.0	729.8	721.6
42.5°	635.8	627.6	634.1	639.0	639.0	643.8	647.0	647.0	639.0	637.4	630.9
45°	515.8	514.1	527.0	536.8	540.0	548.1	553.0	549.8	549.8	549.8	543.2
47.5°	403.8	410.2	421.6	441.1	447.6	457.2	460.5	465.4	463.8	465.4	460.5
50°	306.5	321.1	335.6	355.1	364.9	376.2	381.1	387.6	387.6	389.2	386.0
52.5°	231.9	243.2	267.6	280.5	291.9	303.2	309.8	316.2	317.9	317.9	314.6
55°	171.9	188.1	204.4	222.1	231.9	243.2	248.1	254.6	254.6	257.9	254.6
57.5°	124.9	141.1	158.9	171.9	183.2	191.4	196.2	201.1	204.4	204.4	202.8
60°	92.4	105.4	120.0	133.0	142.8	150.9	154.0	158.9	160.5	160.5	157.2
62.5°	69.8	82.8	95.6	107.0	113.5	120.0	123.2	126.5	126.5	126.5	124.9
65°	56.8	66.5	76.2	86.0	92.4	97.2	98.9	102.1	100.5	102.1	100.5
67.5°	45.4	51.9	60.0	66.5	71.4	74.6	76.2	79.5	77.9	79.5	77.9
70°	34.0	40.5	45.4	50.2	53.5	56.8	58.4	60.0	58.4	60.0	58.4
72.5°	26.0	29.2	34.0	38.9	40.5	42.1	43.8	43.8	43.8	45.4	43.8
75°	17.9	21.1	24.4	26.0	29.2	30.8	30.8	32.4	32.4	32.4	32.4
77.5°	13.0	14.6	16.2	17.9	19.5	21.1	21.1	22.8	22.8	22.8	22.8
80°	8.1	9.8	9.8	11.4	13.0	13.0	14.6	14.6	14.6	14.6	14.6
82.5°	4.9	6.5	6.5	8.1	8.1	8.1	9.8	9.8	9.8	9.8	9.8
85°	3.2	3.2	3.2	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
87.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2	1.6	1.6
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: P212796

CATALOG NUMBER: LE\_6B20D010 EC6B10208027 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	1393.0	1393.0	1393.0	1393.0
2.5°	1371.9	1363.9	1376.8	1357.4
5°	1357.4	1349.2	1365.5	1341.1
7.5°	1339.5	1331.4	1346.0	1321.6
10°	1316.8	1308.8	1321.6	1295.8
12.5°	1297.4	1289.2	1303.9	1279.5
15°	1282.8	1274.6	1287.6	1264.9
17.5°	1260.0	1250.2	1264.9	1240.6
20°	1227.6	1221.1	1232.5	1208.1
22.5°	1190.2	1183.9	1196.8	1172.5
25°	1151.4	1143.2	1156.2	1131.9
27.5°	1101.1	1094.6	1107.6	1083.2
30°	1041.1	1034.6	1047.6	1024.9
32.5°	973.0	966.5	976.2	956.8
35°	895.1	890.2	900.0	879.0
37.5°	810.9	806.0	815.8	794.6
40°	720.0	715.1	723.2	713.5
42.5°	630.9	626.0	634.1	626.0
45°	543.2	540.0	548.1	540.0
47.5°	462.1	458.9	467.0	458.9
50°	384.4	386.0	389.2	386.0
52.5°	314.6	314.6	319.5	314.6
55°	254.6	256.2	257.9	254.6
57.5°	202.8	202.8	204.4	202.8
60°	157.2	158.9	158.9	157.2
62.5°	124.9	124.9	124.9	124.9
65°	98.9	98.9	100.5	98.9
67.5°	77.9	76.2	77.9	76.2
70°	58.4	58.4	58.4	58.4
72.5°	45.4	45.4	43.8	43.8
75°	32.4	34.0	32.4	32.4
77.5°	22.8	22.8	22.8	22.8
80°	14.6	14.6	14.6	14.6
82.5°	9.8	9.8	9.8	9.8
85°	6.5	4.9	4.9	4.9
87.5°	3.2	1.6	1.6	1.6
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)