

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: P212797

Luminaire Tested: **LE_6B20D010 EC6B10208030 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212797
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 EC6B10208030 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2434.3 lumens
Efficiency: N/A
Efficacy: 117.0 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

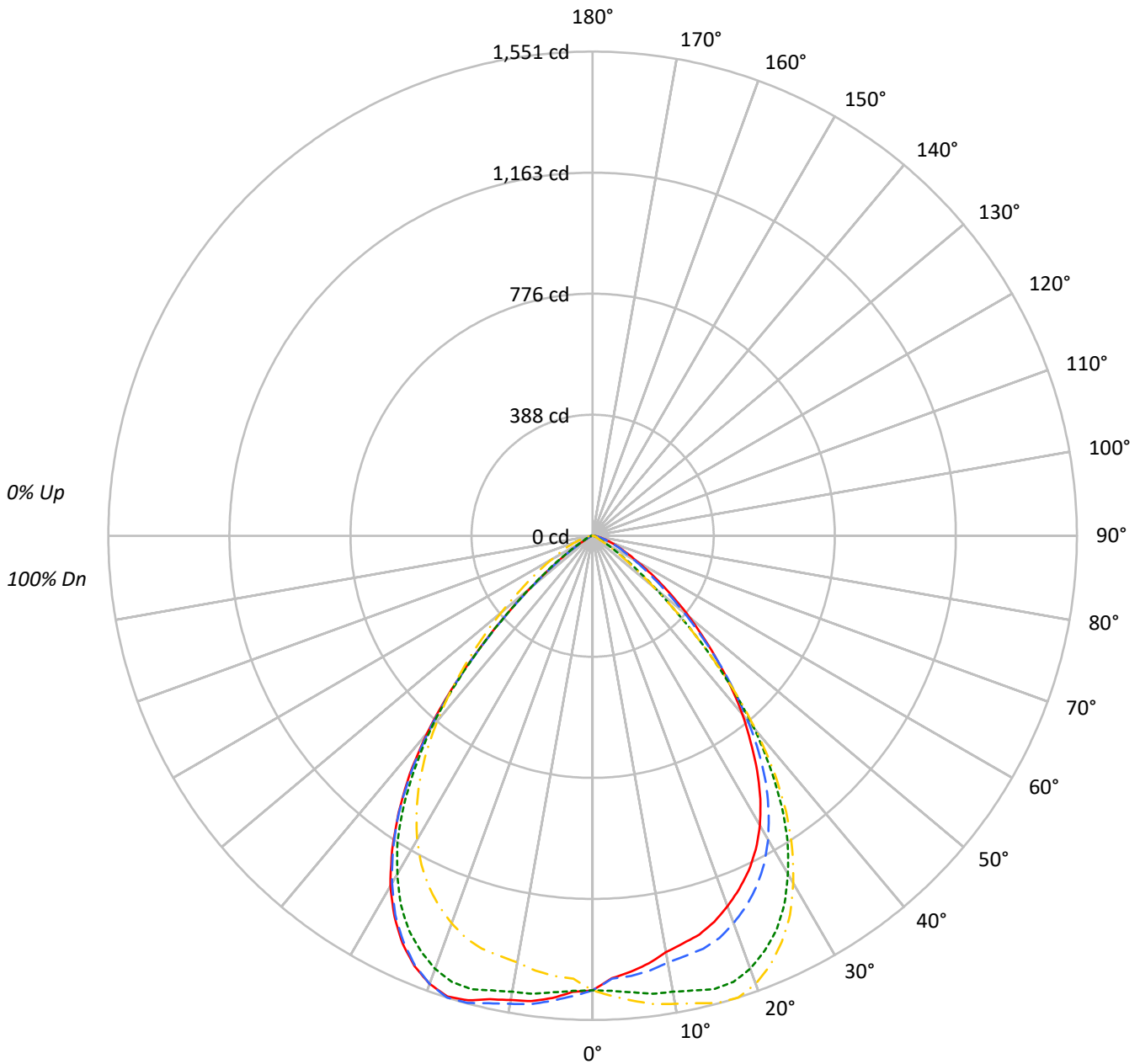
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	79818	79818	79818	79818
5°	77140	80778	81801	80778
10°	75383	82558	84067	82558
15°	75034	85324	87447	85324
20°	73670	86119	89089	86119
25°	71563	84271	87150	84271
30°	67808	79183	81975	79183
35°	61476	70550	72484	70550
40°	53371	57493	58953	57493
45°	43756	39686	39942	39686
50°	34404	22259	21833	22259
55°	25433	11010	9883	11010
60°	18025	4835	3530	4835
65°	13413	3087	2205	3087
70°	9777	2436	1619	2436
75°	7180	1800	1080	1800
80°	4799	1610	568	1610
85°	3208	1132	1132	1132



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.4	5.7
10°-20°	412.8	17.0
20°-30°	616.0	25.3
30°-40°	632.9	26.0
40°-50°	409.9	16.8
50°-60°	152.4	6.3
60°-70°	50.0	2.1
70°-80°	17.7	0.7
80°-90°	3.2	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°	1168.2	48.0
0°-40°	1801.2	74.0
0°-60°	2363.5	97.1
0°-90°	2434.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2434.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1456	1456	1456	1456	1456	
5°	1402	1468	1486	1468	1402	132
15°	1322	1503	1541	1503	1322	372
25°	1183	1393	1441	1393	1183	542
35°	919	1054	1083	1054	919	570
45°	564	512	515	512	564	436
55°	266	115	103	115	266	243
65°	103	24	17	24	103	105
75°	34	8	5	8	34	37
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°	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0
2.5°	1418.6	1439.0	1425.5	1433.9	1420.4	1420.4	1447.5	1432.2	1444.1	1432.2	1420.4
5°	1401.8	1427.1	1410.2	1418.6	1406.9	1408.5	1433.9	1422.1	1433.9	1425.5	1415.2
7.5°	1381.4	1406.9	1391.6	1400.0	1388.1	1391.6	1418.6	1406.9	1420.4	1411.9	1405.1
10°	1354.2	1381.4	1367.9	1376.2	1366.1	1367.9	1395.0	1386.5	1398.4	1393.2	1388.1
12.5°	1337.4	1362.8	1347.5	1356.0	1349.2	1352.6	1378.0	1371.2	1386.5	1381.4	1378.0
15°	1322.1	1345.8	1332.2	1340.8	1335.6	1337.4	1364.5	1357.6	1374.6	1371.2	1369.5
17.5°	1296.6	1322.1	1306.9	1317.0	1311.9	1313.6	1340.8	1335.6	1352.6	1352.6	1350.9
20°	1262.8	1288.1	1276.2	1283.1	1279.8	1283.1	1306.9	1303.4	1320.4	1320.4	1320.4
22.5°	1225.5	1250.9	1237.4	1244.1	1240.8	1245.8	1267.9	1267.9	1281.4	1283.1	1284.8
25°	1183.1	1208.5	1195.0	1203.4	1200.0	1203.4	1223.8	1225.5	1237.4	1237.4	1240.8
27.5°	1132.2	1157.6	1144.1	1150.9	1149.1	1150.9	1172.9	1176.2	1183.1	1184.8	1188.1
30°	1071.2	1095.0	1081.4	1088.1	1088.1	1088.1	1110.2	1111.9	1118.6	1120.4	1123.8
32.5°	1000.0	1020.4	1010.2	1017.0	1015.2	1018.6	1033.9	1040.8	1049.1	1047.5	1049.1
35°	918.6	940.8	930.5	935.6	937.4	942.4	952.6	961.0	962.8	964.4	967.9
37.5°	830.5	852.6	842.4	847.5	849.1	859.4	862.8	871.2	874.6	874.6	874.6
40°	745.8	756.0	747.5	752.6	754.2	762.8	766.1	772.9	776.2	774.6	772.9
42.5°	654.2	662.8	654.2	659.4	659.4	666.1	667.9	676.2	676.2	672.9	667.9
45°	564.4	572.9	564.4	567.8	567.8	574.6	574.6	574.6	578.0	572.9	564.4
47.5°	479.6	488.1	479.6	483.1	481.4	486.5	484.8	486.5	481.4	478.0	467.8
50°	403.4	406.8	403.4	401.8	403.4	406.8	405.1	405.1	398.4	393.2	381.4
52.5°	328.9	333.9	328.9	328.9	328.9	332.2	332.2	330.5	323.8	317.0	305.1
55°	266.1	269.5	267.8	266.1	266.1	269.5	266.1	266.1	259.4	254.2	242.4
57.5°	211.9	213.6	211.9	211.9	211.9	213.6	213.6	210.1	205.1	200.0	191.5
60°	164.4	166.1	166.1	164.4	164.4	167.8	167.8	166.1	161.0	157.6	149.1
62.5°	130.5	130.5	130.5	130.5	130.5	132.2	132.2	132.2	128.9	125.4	118.6
65°	103.4	105.1	103.4	103.4	105.1	106.8	105.1	106.8	103.4	101.8	96.6
67.5°	79.6	81.4	79.6	81.4	81.4	83.0	81.4	83.0	79.6	78.0	74.6
70°	61.0	61.0	61.0	61.0	61.0	62.8	61.0	62.8	61.0	59.4	55.9
72.5°	45.8	45.8	47.5	47.5	45.8	47.5	45.8	45.8	45.8	44.1	42.4
75°	33.9	33.9	35.6	33.9	33.9	33.9	33.9	33.9	32.2	32.2	30.5
77.5°	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	22.0	22.0	20.4
80°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	13.5	13.5
82.5°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	8.5	8.5
85°	5.1	5.1	5.1	6.8	5.1	5.1	5.1	5.1	5.1	5.1	5.1
87.5°	1.8	1.8	1.8	3.4	1.8	1.8	3.4	3.4	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°	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0
2.5°	1433.9	1439.0	1439.0	1433.9	1445.8	1435.6	1456.0	1437.4	1442.4	1459.4	1457.6
5°	1428.9	1435.6	1437.4	1433.9	1449.2	1440.8	1461.0	1442.4	1450.9	1467.9	1467.9
7.5°	1422.1	1430.5	1433.9	1437.4	1450.9	1442.4	1466.1	1447.5	1459.4	1479.8	1478.0
10°	1406.9	1418.6	1425.5	1430.5	1444.1	1439.0	1464.5	1449.2	1459.4	1483.1	1481.4
12.5°	1398.4	1411.9	1422.1	1430.5	1445.8	1442.4	1467.9	1454.2	1467.9	1491.6	1491.6
15°	1391.6	1406.9	1418.6	1433.9	1449.2	1445.8	1472.9	1461.0	1474.6	1503.4	1501.8
17.5°	1374.6	1393.2	1405.1	1422.1	1437.4	1435.6	1464.5	1456.0	1471.2	1498.4	1500.0
20°	1345.8	1362.8	1376.2	1396.6	1413.6	1410.2	1440.8	1432.2	1447.5	1476.2	1478.0
22.5°	1308.5	1325.5	1339.0	1361.0	1376.2	1374.6	1405.1	1396.6	1411.9	1439.0	1440.8
25°	1264.5	1279.8	1293.2	1313.6	1330.5	1330.5	1357.6	1349.2	1366.1	1393.2	1393.2
27.5°	1210.2	1223.8	1235.6	1259.4	1272.9	1272.9	1298.4	1289.9	1306.9	1330.5	1328.9
30°	1144.1	1156.0	1166.1	1186.5	1198.4	1200.0	1222.1	1213.6	1230.5	1250.9	1250.9
32.5°	1064.4	1076.2	1083.1	1108.5	1117.0	1115.2	1132.2	1123.8	1140.8	1162.8	1157.6
35°	979.6	984.8	989.9	1015.2	1018.6	1011.9	1028.9	1020.4	1032.2	1054.2	1050.9
37.5°	883.1	884.8	884.8	906.8	908.5	903.4	913.6	903.4	911.9	932.2	930.5
40°	776.2	774.6	772.9	789.9	788.1	778.0	784.8	776.2	788.1	803.4	794.9
42.5°	667.9	662.8	656.0	664.4	657.6	649.1	652.5	639.0	647.5	659.4	649.1
45°	561.0	550.9	537.2	539.0	530.5	520.4	515.2	501.8	500.0	511.9	503.4
47.5°	461.0	440.8	428.9	422.0	408.5	400.0	389.9	374.6	367.8	374.6	366.1
50°	371.2	350.9	335.6	320.4	306.8	296.6	279.6	269.5	259.4	261.0	254.2
52.5°	293.2	279.6	254.2	242.4	228.9	217.0	201.8	189.9	178.0	178.0	171.2
55°	232.2	213.6	196.6	179.6	166.1	155.9	140.6	128.9	117.0	115.2	108.5
57.5°	179.6	166.1	147.5	130.5	122.0	111.9	96.6	83.0	76.2	71.2	66.1
60°	139.0	125.4	110.1	96.6	86.5	79.6	64.4	54.2	47.5	44.1	39.0
62.5°	111.9	100.0	86.5	72.9	66.1	59.4	47.5	39.0	32.2	28.9	25.4
65°	89.9	79.6	69.5	59.4	54.2	47.5	39.0	32.2	27.1	23.8	20.4
67.5°	69.5	62.8	54.2	47.5	42.4	37.2	30.5	25.4	22.0	18.6	17.0
70°	52.5	47.5	42.4	35.6	32.2	28.9	23.8	18.6	17.0	15.2	13.5
72.5°	40.6	35.6	30.5	27.1	23.8	22.0	18.6	15.2	13.5	11.9	10.1
75°	27.1	25.4	22.0	18.6	17.0	15.2	13.5	11.9	10.1	8.5	8.5
77.5°	18.6	17.0	15.2	13.5	11.9	11.9	10.1	8.5	6.8	6.8	5.1
80°	11.9	10.1	10.1	8.5	8.5	8.5	6.8	5.1	5.1	5.1	3.4
82.5°	8.5	6.8	6.8	5.1	5.1	5.1	5.1	3.4	3.4	3.4	1.8
85°	5.1	3.4	3.4	3.4	3.4	3.4	3.4	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°	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0
2.5°	1444.1	1459.4	1459.4	1472.9	1474.6	1471.2	1456.0	1456.0	1476.2	1488.1	1467.9
5°	1457.6	1472.9	1472.9	1486.5	1493.2	1488.1	1472.9	1474.6	1495.0	1508.5	1488.1
7.5°	1469.5	1484.8	1488.1	1503.4	1508.5	1503.4	1488.1	1491.6	1513.6	1525.5	1505.1
10°	1474.6	1489.9	1491.6	1508.5	1515.2	1508.5	1496.6	1498.4	1522.1	1530.5	1511.9
12.5°	1486.5	1501.8	1501.8	1520.4	1527.1	1522.1	1506.9	1510.2	1534.0	1542.4	1523.8
15°	1498.4	1513.6	1513.6	1534.0	1542.4	1535.6	1523.8	1525.5	1549.2	1557.6	1542.4
17.5°	1498.4	1511.9	1511.9	1534.0	1542.4	1537.4	1523.8	1525.5	1550.9	1557.6	1542.4
20°	1476.2	1491.6	1488.1	1510.2	1518.6	1513.6	1501.8	1501.8	1527.1	1534.0	1518.6
22.5°	1440.8	1454.2	1450.9	1471.2	1481.4	1474.6	1464.5	1462.8	1488.1	1495.0	1479.8
25°	1391.6	1405.1	1401.8	1422.1	1432.2	1423.8	1411.9	1413.6	1433.9	1444.1	1430.5
27.5°	1333.9	1342.4	1337.4	1357.6	1367.9	1359.4	1347.5	1349.2	1369.5	1376.2	1366.1
30°	1256.0	1262.8	1257.6	1274.6	1281.4	1276.2	1266.1	1266.1	1284.8	1293.2	1283.1
32.5°	1162.8	1167.9	1162.8	1176.2	1189.9	1179.8	1169.5	1169.5	1189.9	1196.6	1184.8
35°	1054.2	1059.4	1056.0	1069.5	1079.8	1066.1	1057.6	1054.2	1081.4	1078.0	1071.2
37.5°	933.9	937.4	927.1	950.9	956.0	940.8	933.9	930.5	954.2	952.6	945.8
40°	798.4	801.8	794.9	811.9	813.6	801.8	796.6	791.5	815.2	813.6	808.5
42.5°	654.2	656.0	647.5	661.0	664.4	652.5	650.9	644.1	666.1	662.8	661.0
45°	505.1	505.1	498.4	508.5	511.9	501.8	498.4	496.6	511.9	511.9	508.5
47.5°	366.1	361.0	352.5	367.8	369.5	362.8	361.0	356.0	371.2	371.2	367.8
50°	250.9	249.1	247.5	250.9	252.5	244.1	249.1	244.1	252.5	252.5	252.5
52.5°	167.8	166.1	162.8	166.1	166.1	161.0	161.0	159.4	166.1	166.1	162.8
55°	105.1	103.4	101.8	103.4	103.4	98.2	101.8	98.2	101.8	101.8	100.0
57.5°	64.4	61.0	61.0	59.4	59.4	55.9	57.6	57.6	57.6	57.6	57.6
60°	37.2	35.6	33.9	33.9	33.9	32.2	32.2	32.2	32.2	32.2	32.2
62.5°	23.8	23.8	22.0	22.0	22.0	22.0	22.0	20.4	22.0	22.0	22.0
65°	20.4	18.6	18.6	18.6	18.6	17.0	17.0	17.0	17.0	17.0	17.0
67.5°	17.0	15.2	15.2	15.2	15.2	13.5	13.5	13.5	13.5	13.5	13.5
70°	13.5	11.9	11.9	11.9	11.9	11.9	10.1	11.9	11.9	10.1	10.1
72.5°	10.1	10.1	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
75°	6.8	6.8	6.8	6.8	6.8	5.1	5.1	5.1	5.1	5.1	5.1
77.5°	5.1	5.1	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
80°	3.4	3.4	3.4	3.4	3.4	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: P212797

CATALOG NUMBER: LE_6B20D010 EC6B10208030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0
2.5°	1491.6	1474.6	1466.1	1483.1	1489.9	1481.4	1474.6	1462.8	1474.6	1481.4	1489.9
5°	1511.9	1496.6	1489.9	1501.8	1511.9	1503.4	1498.4	1486.5	1498.4	1503.4	1511.9
7.5°	1530.5	1515.2	1506.9	1518.6	1530.5	1518.6	1513.6	1503.4	1513.6	1518.6	1530.5
10°	1537.4	1520.4	1513.6	1523.8	1535.6	1523.8	1517.0	1510.2	1517.0	1523.8	1535.6
12.5°	1549.2	1532.2	1523.8	1532.2	1544.1	1532.2	1525.5	1520.4	1525.5	1532.2	1544.1
15°	1566.1	1550.9	1540.8	1549.2	1564.5	1550.9	1542.4	1540.8	1542.4	1550.9	1564.5
17.5°	1566.1	1554.2	1544.1	1550.9	1566.1	1556.0	1544.1	1547.5	1544.1	1556.0	1566.1
20°	1544.1	1532.2	1523.8	1523.8	1545.8	1532.2	1522.1	1527.1	1522.1	1532.2	1545.8
22.5°	1505.1	1495.0	1486.5	1484.8	1506.9	1495.0	1481.4	1491.6	1481.4	1495.0	1506.9
25°	1454.2	1444.1	1437.4	1433.9	1456.0	1442.4	1430.5	1440.8	1430.5	1442.4	1456.0
27.5°	1388.1	1379.8	1372.9	1367.9	1388.1	1376.2	1364.5	1374.6	1364.5	1376.2	1388.1
30°	1303.4	1298.4	1291.5	1284.8	1305.1	1293.2	1281.4	1295.0	1281.4	1293.2	1305.1
32.5°	1205.1	1201.8	1193.2	1186.5	1206.8	1193.2	1184.8	1195.0	1184.8	1193.2	1206.8
35°	1091.5	1086.5	1081.4	1069.5	1091.5	1079.8	1079.8	1083.1	1079.8	1079.8	1091.5
37.5°	964.4	961.0	954.2	944.1	962.8	954.2	950.9	961.0	950.9	954.2	962.8
40°	822.0	820.4	815.2	803.4	823.8	815.2	810.2	823.8	810.2	815.2	823.8
42.5°	672.9	669.5	664.4	662.8	672.9	666.1	671.2	671.2	671.2	666.1	672.9
45°	518.6	515.2	511.9	505.1	517.0	513.6	511.9	515.2	511.9	513.6	517.0
47.5°	376.2	372.9	369.5	364.4	376.2	371.2	371.2	374.6	371.2	371.2	376.2
50°	252.5	254.2	252.5	249.1	252.5	250.9	252.5	256.0	252.5	250.9	252.5
52.5°	167.8	167.8	164.4	162.8	166.1	164.4	169.5	166.1	169.5	164.4	166.1
55°	101.8	103.4	101.8	100.0	101.8	100.0	105.1	103.4	105.1	100.0	101.8
57.5°	57.6	57.6	59.4	57.6	61.0	59.4	59.4	59.4	59.4	59.4	61.0
60°	32.2	32.2	32.2	32.2	32.2	32.2	33.9	32.2	33.9	32.2	32.2
62.5°	22.0	22.0	22.0	20.4	22.0	20.4	22.0	22.0	22.0	20.4	22.0
65°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
67.5°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
70°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
72.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
75°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
77.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
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: P212797

CATALOG NUMBER: LE_6B20D010 EC6B10208030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0
2.5°	1483.1	1466.1	1474.6	1491.6	1467.9	1488.1	1476.2	1456.0	1456.0	1471.2	1474.6
5°	1501.8	1489.9	1496.6	1511.9	1488.1	1508.5	1495.0	1474.6	1472.9	1488.1	1493.2
7.5°	1518.6	1506.9	1515.2	1530.5	1505.1	1525.5	1513.6	1491.6	1488.1	1503.4	1508.5
10°	1523.8	1513.6	1520.4	1537.4	1511.9	1530.5	1522.1	1498.4	1496.6	1508.5	1515.2
12.5°	1532.2	1523.8	1532.2	1549.2	1523.8	1542.4	1534.0	1510.2	1506.9	1522.1	1527.1
15°	1549.2	1540.8	1550.9	1566.1	1542.4	1557.6	1549.2	1525.5	1523.8	1535.6	1542.4
17.5°	1550.9	1544.1	1554.2	1566.1	1542.4	1557.6	1550.9	1525.5	1523.8	1537.4	1542.4
20°	1523.8	1523.8	1532.2	1544.1	1518.6	1534.0	1527.1	1501.8	1501.8	1513.6	1518.6
22.5°	1484.8	1486.5	1495.0	1505.1	1479.8	1495.0	1488.1	1462.8	1464.5	1474.6	1481.4
25°	1433.9	1437.4	1444.1	1454.2	1430.5	1444.1	1433.9	1413.6	1411.9	1423.8	1432.2
27.5°	1367.9	1372.9	1379.8	1388.1	1366.1	1376.2	1369.5	1349.2	1347.5	1359.4	1367.9
30°	1284.8	1291.5	1298.4	1303.4	1283.1	1293.2	1284.8	1266.1	1266.1	1276.2	1281.4
32.5°	1186.5	1193.2	1201.8	1205.1	1184.8	1196.6	1189.9	1169.5	1169.5	1179.8	1189.9
35°	1069.5	1081.4	1086.5	1091.5	1071.2	1078.0	1081.4	1054.2	1057.6	1066.1	1079.8
37.5°	944.1	954.2	961.0	964.4	945.8	952.6	954.2	930.5	933.9	940.8	956.0
40°	803.4	815.2	820.4	822.0	808.5	813.6	815.2	791.5	796.6	801.8	813.6
42.5°	662.8	664.4	669.5	672.9	661.0	662.8	666.1	644.1	650.9	652.5	664.4
45°	505.1	511.9	515.2	518.6	508.5	511.9	511.9	496.6	498.4	501.8	511.9
47.5°	364.4	369.5	372.9	376.2	367.8	371.2	371.2	356.0	361.0	362.8	369.5
50°	249.1	252.5	254.2	252.5	252.5	252.5	252.5	244.1	249.1	244.1	252.5
52.5°	162.8	164.4	167.8	167.8	162.8	166.1	166.1	159.4	161.0	161.0	166.1
55°	100.0	101.8	103.4	101.8	100.0	101.8	101.8	98.2	101.8	98.2	103.4
57.5°	57.6	59.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	55.9	59.4
60°	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	33.9
62.5°	20.4	22.0	22.0	22.0	22.0	22.0	22.0	20.4	22.0	22.0	22.0
65°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	18.6
67.5°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	15.2
70°	10.1	10.1	10.1	10.1	10.1	10.1	11.9	11.9	10.1	11.9	11.9
72.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
75°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	6.8
77.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.4
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: P212797

CATALOG NUMBER: LE_6B20D010 EC6B10208030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0
2.5°	1472.9	1459.4	1459.4	1444.1	1457.6	1459.4	1442.4	1437.4	1456.0	1435.6	1445.8
5°	1486.5	1472.9	1472.9	1457.6	1467.9	1467.9	1450.9	1442.4	1461.0	1440.8	1449.2
7.5°	1503.4	1488.1	1484.8	1469.5	1478.0	1479.8	1459.4	1447.5	1466.1	1442.4	1450.9
10°	1508.5	1491.6	1489.9	1474.6	1481.4	1483.1	1459.4	1449.2	1464.5	1439.0	1444.1
12.5°	1520.4	1501.8	1501.8	1486.5	1491.6	1491.6	1467.9	1454.2	1467.9	1442.4	1445.8
15°	1534.0	1513.6	1513.6	1498.4	1501.8	1503.4	1474.6	1461.0	1472.9	1445.8	1449.2
17.5°	1534.0	1511.9	1511.9	1498.4	1500.0	1498.4	1471.2	1456.0	1464.5	1435.6	1437.4
20°	1510.2	1488.1	1491.6	1476.2	1478.0	1476.2	1447.5	1432.2	1440.8	1410.2	1413.6
22.5°	1471.2	1450.9	1454.2	1440.8	1440.8	1439.0	1411.9	1396.6	1405.1	1374.6	1376.2
25°	1422.1	1401.8	1405.1	1391.6	1393.2	1393.2	1366.1	1349.2	1357.6	1330.5	1330.5
27.5°	1357.6	1337.4	1342.4	1333.9	1328.9	1330.5	1306.9	1289.9	1298.4	1272.9	1272.9
30°	1274.6	1257.6	1262.8	1256.0	1250.9	1250.9	1230.5	1213.6	1222.1	1200.0	1198.4
32.5°	1176.2	1162.8	1167.9	1162.8	1157.6	1162.8	1140.8	1123.8	1132.2	1115.2	1117.0
35°	1069.5	1056.0	1059.4	1054.2	1050.9	1054.2	1032.2	1020.4	1028.9	1011.9	1018.6
37.5°	950.9	927.1	937.4	933.9	930.5	932.2	911.9	903.4	913.6	903.4	908.5
40°	811.9	794.9	801.8	798.4	794.9	803.4	788.1	776.2	784.8	778.0	788.1
42.5°	661.0	647.5	656.0	654.2	649.1	659.4	647.5	639.0	652.5	649.1	657.6
45°	508.5	498.4	505.1	505.1	503.4	511.9	500.0	501.8	515.2	520.4	530.5
47.5°	367.8	352.5	361.0	366.1	366.1	374.6	367.8	374.6	389.9	400.0	408.5
50°	250.9	247.5	249.1	250.9	254.2	261.0	259.4	269.5	279.6	296.6	306.8
52.5°	166.1	162.8	166.1	167.8	171.2	178.0	178.0	189.9	201.8	217.0	228.9
55°	103.4	101.8	103.4	105.1	108.5	115.2	117.0	128.9	140.6	155.9	166.1
57.5°	59.4	61.0	61.0	64.4	66.1	71.2	76.2	83.0	96.6	111.9	122.0
60°	33.9	33.9	35.6	37.2	39.0	44.1	47.5	54.2	64.4	79.6	86.5
62.5°	22.0	22.0	23.8	23.8	25.4	28.9	32.2	39.0	47.5	59.4	66.1
65°	18.6	18.6	18.6	20.4	20.4	23.8	27.1	32.2	39.0	47.5	54.2
67.5°	15.2	15.2	15.2	17.0	17.0	18.6	22.0	25.4	30.5	37.2	42.4
70°	11.9	11.9	11.9	13.5	13.5	15.2	17.0	18.6	23.8	28.9	32.2
72.5°	8.5	8.5	10.1	10.1	10.1	11.9	13.5	15.2	18.6	22.0	23.8
75°	6.8	6.8	6.8	6.8	8.5	8.5	10.1	11.9	13.5	15.2	17.0
77.5°	3.4	3.4	5.1	5.1	5.1	6.8	6.8	8.5	10.1	11.9	11.9
80°	3.4	3.4	3.4	3.4	3.4	5.1	5.1	5.1	6.8	8.5	8.5
82.5°	1.8	1.8	1.8	1.8	1.8	3.4	3.4	3.4	5.1	5.1	5.1
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.4	3.4	3.4
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: P212797

CATALOG NUMBER: LE_6B20D010 EC6B10208030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0	1456.0
2.5°	1433.9	1439.0	1439.0	1433.9	1420.4	1432.2	1444.1	1432.2	1447.5	1420.4	1420.4
5°	1433.9	1437.4	1435.6	1428.9	1415.2	1425.5	1433.9	1422.1	1433.9	1408.5	1406.9
7.5°	1437.4	1433.9	1430.5	1422.1	1405.1	1411.9	1420.4	1406.9	1418.6	1391.6	1388.1
10°	1430.5	1425.5	1418.6	1406.9	1388.1	1393.2	1398.4	1386.5	1395.0	1367.9	1366.1
12.5°	1430.5	1422.1	1411.9	1398.4	1378.0	1381.4	1386.5	1371.2	1378.0	1352.6	1349.2
15°	1433.9	1418.6	1406.9	1391.6	1369.5	1371.2	1374.6	1357.6	1364.5	1337.4	1335.6
17.5°	1422.1	1405.1	1393.2	1374.6	1350.9	1352.6	1352.6	1335.6	1340.8	1313.6	1311.9
20°	1396.6	1376.2	1362.8	1345.8	1320.4	1320.4	1320.4	1303.4	1306.9	1283.1	1279.8
22.5°	1361.0	1339.0	1325.5	1308.5	1284.8	1283.1	1281.4	1267.9	1267.9	1245.8	1240.8
25°	1313.6	1293.2	1279.8	1264.5	1240.8	1237.4	1237.4	1225.5	1223.8	1203.4	1200.0
27.5°	1259.4	1235.6	1223.8	1210.2	1188.1	1184.8	1183.1	1176.2	1172.9	1150.9	1149.1
30°	1186.5	1166.1	1156.0	1144.1	1123.8	1120.4	1118.6	1111.9	1110.2	1088.1	1088.1
32.5°	1108.5	1083.1	1076.2	1064.4	1049.1	1047.5	1049.1	1040.8	1033.9	1018.6	1015.2
35°	1015.2	989.9	984.8	979.6	967.9	964.4	962.8	961.0	952.6	942.4	937.4
37.5°	906.8	884.8	884.8	883.1	874.6	874.6	874.6	871.2	862.8	859.4	849.1
40°	789.9	772.9	774.6	776.2	772.9	774.6	776.2	772.9	766.1	762.8	754.2
42.5°	664.4	656.0	662.8	667.9	667.9	672.9	676.2	676.2	667.9	666.1	659.4
45°	539.0	537.2	550.9	561.0	564.4	572.9	578.0	574.6	574.6	574.6	567.8
47.5°	422.0	428.9	440.8	461.0	467.8	478.0	481.4	486.5	484.8	486.5	481.4
50°	320.4	335.6	350.9	371.2	381.4	393.2	398.4	405.1	405.1	406.8	403.4
52.5°	242.4	254.2	279.6	293.2	305.1	317.0	323.8	330.5	332.2	332.2	328.9
55°	179.6	196.6	213.6	232.2	242.4	254.2	259.4	266.1	266.1	269.5	266.1
57.5°	130.5	147.5	166.1	179.6	191.5	200.0	205.1	210.1	213.6	213.6	211.9
60°	96.6	110.1	125.4	139.0	149.1	157.6	161.0	166.1	167.8	167.8	164.4
62.5°	72.9	86.5	100.0	111.9	118.6	125.4	128.9	132.2	132.2	132.2	130.5
65°	59.4	69.5	79.6	89.9	96.6	101.8	103.4	106.8	105.1	106.8	105.1
67.5°	47.5	54.2	62.8	69.5	74.6	78.0	79.6	83.0	81.4	83.0	81.4
70°	35.6	42.4	47.5	52.5	55.9	59.4	61.0	62.8	61.0	62.8	61.0
72.5°	27.1	30.5	35.6	40.6	42.4	44.1	45.8	45.8	45.8	47.5	45.8
75°	18.6	22.0	25.4	27.1	30.5	32.2	32.2	33.9	33.9	33.9	33.9
77.5°	13.5	15.2	17.0	18.6	20.4	22.0	22.0	23.8	23.8	23.8	23.8
80°	8.5	10.1	10.1	11.9	13.5	13.5	15.2	15.2	15.2	15.2	15.2
82.5°	5.1	6.8	6.8	8.5	8.5	8.5	10.1	10.1	10.1	10.1	10.1
85°	3.4	3.4	3.4	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.4	3.4	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: P212797

CATALOG NUMBER: LE_6B20D010 EC6B10208030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1456.0	1456.0	1456.0	1456.0
2.5°	1433.9	1425.5	1439.0	1418.6
5°	1418.6	1410.2	1427.1	1401.8
7.5°	1400.0	1391.6	1406.9	1381.4
10°	1376.2	1367.9	1381.4	1354.2
12.5°	1356.0	1347.5	1362.8	1337.4
15°	1340.8	1332.2	1345.8	1322.1
17.5°	1317.0	1306.9	1322.1	1296.6
20°	1283.1	1276.2	1288.1	1262.8
22.5°	1244.1	1237.4	1250.9	1225.5
25°	1203.4	1195.0	1208.5	1183.1
27.5°	1150.9	1144.1	1157.6	1132.2
30°	1088.1	1081.4	1095.0	1071.2
32.5°	1017.0	1010.2	1020.4	1000.0
35°	935.6	930.5	940.8	918.6
37.5°	847.5	842.4	852.6	830.5
40°	752.6	747.5	756.0	745.8
42.5°	659.4	654.2	662.8	654.2
45°	567.8	564.4	572.9	564.4
47.5°	483.1	479.6	488.1	479.6
50°	401.8	403.4	406.8	403.4
52.5°	328.9	328.9	333.9	328.9
55°	266.1	267.8	269.5	266.1
57.5°	211.9	211.9	213.6	211.9
60°	164.4	166.1	166.1	164.4
62.5°	130.5	130.5	130.5	130.5
65°	103.4	103.4	105.1	103.4
67.5°	81.4	79.6	81.4	79.6
70°	61.0	61.0	61.0	61.0
72.5°	47.5	47.5	45.8	45.8
75°	33.9	35.6	33.9	33.9
77.5°	23.8	23.8	23.8	23.8
80°	15.2	15.2	15.2	15.2
82.5°	10.1	10.1	10.1	10.1
85°	6.8	5.1	5.1	5.1
87.5°	3.4	1.8	1.8	1.8
90°	0.0	0.0	0.0	0.0



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— 0°-180° - - 45°-225° - - - - 90°-270° - · - · 135°-315°





















(END OF REPORT)