

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: P212814

Luminaire Tested: **LE_6B30D010 EC6B30509024 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212814
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29203)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LE_6B30D010 EC6B30509024 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2550.5 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

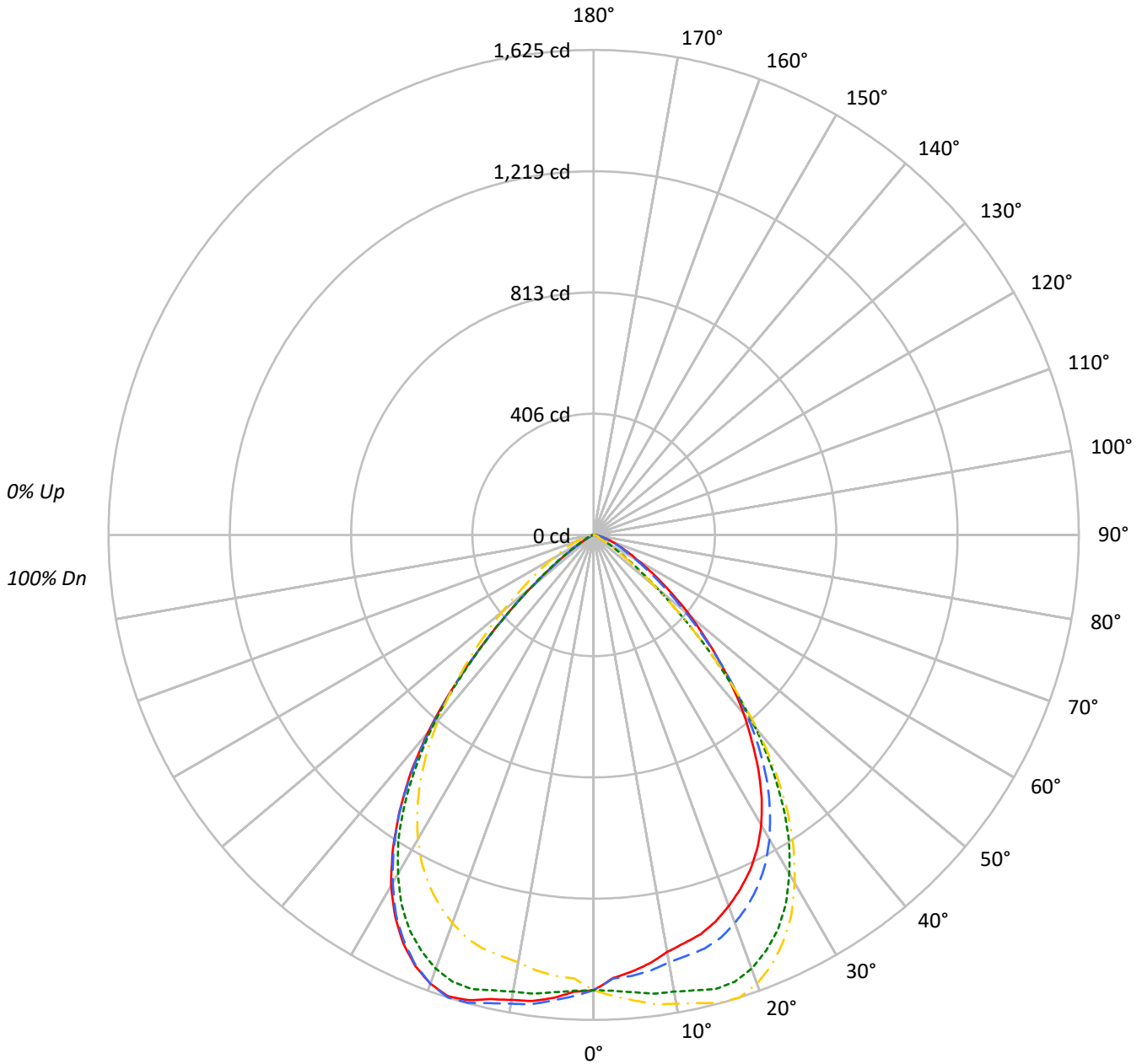
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	83628	83628	83628	83628
5°	80816	84630	85703	84630
10°	78984	86499	88075	86499
15°	78610	89399	91612	89399
20°	77182	90238	93341	90238
25°	74974	88299	91306	88299
30°	71049	82962	85887	82962
35°	64413	73923	75944	73923
40°	55919	60241	61766	60241
45°	45850	41570	41857	41570
50°	36041	23325	22865	23325
55°	26647	11546	10360	11546
60°	18880	5054	3706	5054
65°	14061	3230	2309	3230
70°	10242	2565	1699	2565
75°	7519	1885	1144	1885
80°	5051	1705	568	1705
85°	3397	1132	1132	1132



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.0	5.7
10°-20°	432.5	17.0
20°-30°	645.5	25.3
30°-40°	663.1	26.0
40°-50°	429.4	16.8
50°-60°	159.7	6.3
60°-70°	52.4	2.1
70°-80°	18.5	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°	1224.0	48.0
0°-40°	1887.2	74.0
0°-60°	2476.3	97.1
0°-90°	2550.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2550.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1526	1526	1526	1526	1526	
5°	1469	1538	1557	1538	1469	139
15°	1385	1575	1614	1575	1385	390
25°	1240	1460	1510	1460	1240	568
35°	962	1105	1135	1105	962	598
45°	591	536	540	536	591	457
55°	279	121	108	121	279	254
65°	108	25	18	25	108	110
75°	36	9	5	9	36	39
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°	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5
2.5°	1486.4	1507.8	1493.5	1502.4	1488.1	1488.1	1516.6	1500.6	1513.0	1500.6	1488.1
5°	1468.6	1495.2	1477.5	1486.4	1474.0	1475.8	1502.4	1490.0	1502.4	1493.5	1482.9
7.5°	1447.4	1474.0	1458.0	1466.9	1454.4	1458.0	1486.4	1474.0	1488.1	1479.2	1472.2
10°	1418.9	1447.4	1433.1	1442.0	1431.4	1433.1	1461.5	1452.6	1465.1	1459.8	1454.4
12.5°	1401.1	1427.8	1411.8	1420.8	1413.6	1417.1	1443.8	1436.6	1452.6	1447.4	1443.8
15°	1385.1	1410.0	1395.9	1404.8	1399.4	1401.1	1429.6	1422.5	1440.2	1436.6	1434.9
17.5°	1358.5	1385.1	1369.2	1379.9	1374.5	1376.2	1404.8	1399.4	1417.1	1417.1	1415.4
20°	1323.0	1349.6	1337.2	1344.4	1340.8	1344.4	1369.2	1365.6	1383.4	1383.4	1383.4
22.5°	1284.0	1310.6	1296.4	1303.5	1299.9	1305.2	1328.4	1328.4	1342.5	1344.4	1346.1
25°	1239.5	1266.2	1252.0	1260.9	1257.2	1260.9	1282.1	1284.0	1296.4	1296.4	1299.9
27.5°	1186.2	1212.9	1198.8	1205.8	1204.0	1205.8	1228.9	1232.5	1239.5	1241.4	1244.9
30°	1122.4	1147.2	1133.0	1140.1	1140.1	1140.1	1163.2	1165.0	1172.1	1173.9	1177.4
32.5°	1047.8	1069.1	1058.4	1065.5	1063.8	1067.2	1083.2	1090.4	1099.2	1097.5	1099.2
35°	962.5	985.6	975.0	980.2	982.0	987.4	998.0	1006.9	1008.8	1010.5	1014.0
37.5°	870.1	893.2	882.6	887.9	889.8	900.4	903.9	912.8	916.4	916.4	916.4
40°	781.4	792.0	783.1	788.5	790.2	799.1	802.8	809.8	813.4	811.6	809.8
42.5°	685.5	694.4	685.5	690.8	690.8	697.9	699.8	708.6	708.6	705.0	699.8
45°	591.4	600.2	591.4	594.9	594.9	602.0	602.0	602.0	605.6	600.2	591.4
47.5°	502.6	511.5	502.6	506.1	504.4	509.6	507.9	509.6	504.4	500.8	490.1
50°	422.6	426.2	422.6	420.9	422.6	426.2	424.4	424.4	417.4	412.0	399.6
52.5°	344.5	349.9	344.5	344.5	344.5	348.1	348.1	346.2	339.2	332.1	319.6
55°	278.8	282.4	280.6	278.8	278.8	282.4	278.8	278.8	271.8	266.4	254.0
57.5°	222.0	223.8	222.0	222.0	222.0	223.8	223.8	220.2	214.9	209.5	200.6
60°	172.2	174.0	174.0	172.2	172.2	175.8	175.8	174.0	168.8	165.1	156.2
62.5°	136.8	136.8	136.8	136.8	136.8	138.5	138.5	138.5	135.0	131.4	124.2
65°	108.4	110.1	108.4	108.4	110.1	111.9	110.1	111.9	108.4	106.5	101.2
67.5°	83.5	85.2	83.5	85.2	85.2	87.0	85.2	87.0	83.5	81.8	78.1
70°	63.9	63.9	63.9	63.9	63.9	65.8	63.9	65.8	63.9	62.1	58.6
72.5°	48.0	48.0	49.8	49.8	48.0	49.8	48.0	48.0	48.0	46.1	44.4
75°	35.5	35.5	37.2	35.5	35.5	35.5	35.5	35.5	33.8	33.8	32.0
77.5°	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	23.1	23.1	21.2
80°	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	14.2	14.2
82.5°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	8.9	8.9
85°	5.4	5.4	5.4	7.1	5.4	5.4	5.4	5.4	5.4	5.4	5.4
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°	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5
2.5°	1502.4	1507.8	1507.8	1502.4	1514.8	1504.1	1525.5	1505.9	1511.2	1529.0	1527.2
5°	1497.0	1504.1	1505.9	1502.4	1518.4	1509.5	1530.8	1511.2	1520.1	1537.9	1537.9
7.5°	1490.0	1498.9	1502.4	1505.9	1520.1	1511.2	1536.1	1516.6	1529.0	1550.4	1548.5
10°	1474.0	1486.4	1493.5	1498.9	1513.0	1507.8	1534.4	1518.4	1529.0	1553.9	1552.1
12.5°	1465.1	1479.2	1490.0	1498.9	1514.8	1511.2	1537.9	1523.8	1537.9	1562.8	1562.8
15°	1458.0	1474.0	1486.4	1502.4	1518.4	1514.8	1543.2	1530.8	1545.0	1575.2	1573.4
17.5°	1440.2	1459.8	1472.2	1490.0	1505.9	1504.1	1534.4	1525.5	1541.5	1569.9	1571.6
20°	1410.0	1427.8	1442.0	1463.2	1481.1	1477.5	1509.5	1500.6	1516.6	1546.8	1548.5
22.5°	1371.0	1388.8	1402.9	1426.0	1442.0	1440.2	1472.2	1463.2	1479.2	1507.8	1509.5
25°	1324.8	1340.8	1355.0	1376.2	1394.0	1394.0	1422.5	1413.6	1431.4	1459.8	1459.8
27.5°	1268.0	1282.1	1294.6	1319.5	1333.6	1333.6	1360.2	1351.4	1369.2	1394.0	1392.2
30°	1198.8	1211.1	1221.8	1243.1	1255.5	1257.2	1280.4	1271.5	1289.2	1310.6	1310.6
32.5°	1115.2	1127.6	1134.8	1161.4	1170.2	1168.5	1186.2	1177.4	1195.1	1218.2	1212.9
35°	1026.5	1031.8	1037.1	1063.8	1067.2	1060.2	1078.0	1069.1	1081.5	1104.6	1101.0
37.5°	925.2	927.0	927.0	950.1	951.9	946.5	957.2	946.5	955.4	976.8	975.0
40°	813.4	811.6	809.8	827.5	825.8	815.1	822.2	813.4	825.8	841.8	832.9
42.5°	699.8	694.4	687.2	696.1	689.0	680.1	683.8	669.5	678.4	690.8	680.1
45°	587.8	577.1	563.0	564.8	555.9	545.2	539.9	525.6	523.9	536.2	527.4
47.5°	483.0	461.8	449.2	442.2	428.0	419.1	408.5	392.5	385.4	392.5	383.6
50°	388.9	367.6	351.6	335.6	321.4	310.8	293.0	282.4	271.8	273.5	266.4
52.5°	307.2	293.0	266.4	254.0	239.8	227.2	211.4	198.9	186.5	186.5	179.4
55°	243.2	223.8	206.0	188.2	174.0	163.4	147.4	135.0	122.5	120.8	113.6
57.5°	188.2	174.0	154.5	136.8	127.9	117.2	101.2	87.0	79.9	74.6	69.2
60°	145.6	131.4	115.4	101.2	90.6	83.5	67.5	56.9	49.8	46.1	40.9
62.5°	117.2	104.8	90.6	76.4	69.2	62.1	49.8	40.9	33.8	30.2	26.6
65°	94.1	83.5	72.8	62.1	56.9	49.8	40.9	33.8	28.4	24.9	21.2
67.5°	72.8	65.8	56.9	49.8	44.4	39.1	32.0	26.6	23.1	19.5	17.8
70°	55.0	49.8	44.4	37.2	33.8	30.2	24.9	19.5	17.8	16.0	14.2
72.5°	42.6	37.2	32.0	28.4	24.9	23.1	19.5	16.0	14.2	12.4	10.6
75°	28.4	26.6	23.1	19.5	17.8	16.0	14.2	12.4	10.6	8.9	8.9
77.5°	19.5	17.8	16.0	14.2	12.4	12.4	10.6	8.9	7.1	7.1	5.4
80°	12.4	10.6	10.6	8.9	8.9	8.9	7.1	5.4	5.4	5.4	3.5
82.5°	8.9	7.1	7.1	5.4	5.4	5.4	5.4	3.5	3.5	3.5	1.8
85°	5.4	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°	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5
2.5°	1513.0	1529.0	1529.0	1543.2	1545.0	1541.5	1525.5	1525.5	1546.8	1559.2	1537.9
5°	1527.2	1543.2	1543.2	1557.4	1564.5	1559.2	1543.2	1545.0	1566.2	1580.5	1559.2
7.5°	1539.6	1555.6	1559.2	1575.2	1580.5	1575.2	1559.2	1562.8	1585.9	1598.2	1577.0
10°	1545.0	1561.0	1562.8	1580.5	1587.6	1580.5	1568.1	1569.9	1594.8	1603.6	1584.1
12.5°	1557.4	1573.4	1573.4	1593.0	1600.0	1594.8	1578.8	1582.2	1607.1	1616.0	1596.5
15°	1569.9	1585.9	1585.9	1607.1	1616.0	1608.9	1596.5	1598.2	1623.1	1632.0	1616.0
17.5°	1569.9	1584.1	1584.1	1607.1	1616.0	1610.8	1596.5	1598.2	1624.9	1632.0	1616.0
20°	1546.8	1562.8	1559.2	1582.2	1591.1	1585.9	1573.4	1573.4	1600.0	1607.1	1591.1
22.5°	1509.5	1523.8	1520.1	1541.5	1552.1	1545.0	1534.4	1532.6	1559.2	1566.2	1550.4
25°	1458.0	1472.2	1468.6	1490.0	1500.6	1491.8	1479.2	1481.1	1502.4	1513.0	1498.9
27.5°	1397.6	1406.5	1401.1	1422.5	1433.1	1424.2	1411.8	1413.6	1434.9	1442.0	1431.4
30°	1315.9	1323.0	1317.8	1335.5	1342.5	1337.2	1326.6	1326.6	1346.1	1355.0	1344.4
32.5°	1218.2	1223.6	1218.2	1232.5	1246.6	1236.0	1225.4	1225.4	1246.6	1253.8	1241.4
35°	1104.6	1109.9	1106.4	1120.6	1131.2	1117.0	1108.1	1104.6	1133.0	1129.5	1122.4
37.5°	978.5	982.0	971.4	996.2	1001.6	985.6	978.5	975.0	999.8	998.0	990.9
40°	836.4	840.0	832.9	850.6	852.4	840.0	834.6	829.4	854.2	852.4	847.1
42.5°	685.5	687.2	678.4	692.6	696.1	683.8	681.9	674.9	697.9	694.4	692.6
45°	529.2	529.2	522.1	532.8	536.2	525.6	522.1	520.4	536.2	536.2	532.8
47.5°	383.6	378.2	369.4	385.4	387.1	380.0	378.2	372.9	388.9	388.9	385.4
50°	262.9	261.0	259.2	262.9	264.6	255.8	261.0	255.8	264.6	264.6	264.6
52.5°	175.8	174.0	170.5	174.0	174.0	168.8	168.8	166.9	174.0	174.0	170.5
55°	110.1	108.4	106.5	108.4	108.4	103.0	106.5	103.0	106.5	106.5	104.8
57.5°	67.5	63.9	63.9	62.1	62.1	58.6	60.4	60.4	60.4	60.4	60.4
60°	39.1	37.2	35.5	35.5	35.5	33.8	33.8	33.8	33.8	33.8	33.8
62.5°	24.9	24.9	23.1	23.1	23.1	23.1	23.1	21.2	23.1	23.1	23.1
65°	21.2	19.5	19.5	19.5	19.5	17.8	17.8	17.8	17.8	17.8	17.8
67.5°	17.8	16.0	16.0	16.0	16.0	14.2	14.2	14.2	14.2	14.2	14.2
70°	14.2	12.4	12.4	12.4	12.4	12.4	10.6	12.4	12.4	10.6	10.6
72.5°	10.6	10.6	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
75°	7.1	7.1	7.1	7.1	7.1	5.4	5.4	5.4	5.4	5.4	5.4
77.5°	5.4	5.4	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: P212814

CATALOG NUMBER: LE_6B30D010 EC6B30509024 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5
2.5°	1562.8	1545.0	1536.1	1553.9	1561.0	1552.1	1545.0	1532.6	1545.0	1552.1	1561.0
5°	1584.1	1568.1	1561.0	1573.4	1584.1	1575.2	1569.9	1557.4	1569.9	1575.2	1584.1
7.5°	1603.6	1587.6	1578.8	1591.1	1603.6	1591.1	1585.9	1575.2	1585.9	1591.1	1603.6
10°	1610.8	1593.0	1585.9	1596.5	1608.9	1596.5	1589.4	1582.2	1589.4	1596.5	1608.9
12.5°	1623.1	1605.4	1596.5	1605.4	1617.8	1605.4	1598.2	1593.0	1598.2	1605.4	1617.8
15°	1640.9	1624.9	1614.2	1623.1	1639.1	1624.9	1616.0	1614.2	1616.0	1624.9	1639.1
17.5°	1640.9	1628.5	1617.8	1624.9	1640.9	1630.2	1617.8	1621.4	1617.8	1630.2	1640.9
20°	1617.8	1605.4	1596.5	1596.5	1619.6	1605.4	1594.8	1600.0	1594.8	1605.4	1619.6
22.5°	1577.0	1566.2	1557.4	1555.6	1578.8	1566.2	1552.1	1562.8	1552.1	1566.2	1578.8
25°	1523.8	1513.0	1505.9	1502.4	1525.5	1511.2	1498.9	1509.5	1498.9	1511.2	1525.5
27.5°	1454.4	1445.5	1438.5	1433.1	1454.4	1442.0	1429.6	1440.2	1429.6	1442.0	1454.4
30°	1365.6	1360.2	1353.2	1346.1	1367.4	1355.0	1342.5	1356.8	1342.5	1355.0	1367.4
32.5°	1262.6	1259.1	1250.2	1243.1	1264.4	1250.2	1241.4	1252.0	1241.4	1250.2	1264.4
35°	1143.6	1138.4	1133.0	1120.6	1143.6	1131.2	1131.2	1134.8	1131.2	1131.2	1143.6
37.5°	1010.5	1006.9	999.8	989.1	1008.8	999.8	996.2	1006.9	996.2	999.8	1008.8
40°	861.2	859.5	854.2	841.8	863.1	854.2	848.9	863.1	848.9	854.2	863.1
42.5°	705.0	701.5	696.1	694.4	705.0	697.9	703.2	703.2	703.2	697.9	705.0
45°	543.4	539.9	536.2	529.2	541.6	538.1	536.2	539.9	536.2	538.1	541.6
47.5°	394.2	390.8	387.1	381.8	394.2	388.9	388.9	392.5	388.9	388.9	394.2
50°	264.6	266.4	264.6	261.0	264.6	262.9	264.6	268.1	264.6	262.9	264.6
52.5°	175.8	175.8	172.2	170.5	174.0	172.2	177.6	174.0	177.6	172.2	174.0
55°	106.5	108.4	106.5	104.8	106.5	104.8	110.1	108.4	110.1	104.8	106.5
57.5°	60.4	60.4	62.1	60.4	63.9	62.1	62.1	62.1	62.1	62.1	63.9
60°	33.8	33.8	33.8	33.8	33.8	33.8	35.5	33.8	35.5	33.8	33.8
62.5°	23.1	23.1	23.1	21.2	23.1	21.2	23.1	23.1	23.1	21.2	23.1
65°	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
67.5°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
70°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
72.5°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
75°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
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: P212814

CATALOG NUMBER: LE_6B30D010 EC6B30509024 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5
2.5°	1553.9	1536.1	1545.0	1562.8	1537.9	1559.2	1546.8	1525.5	1525.5	1541.5	1545.0
5°	1573.4	1561.0	1568.1	1584.1	1559.2	1580.5	1566.2	1545.0	1543.2	1559.2	1564.5
7.5°	1591.1	1578.8	1587.6	1603.6	1577.0	1598.2	1585.9	1562.8	1559.2	1575.2	1580.5
10°	1596.5	1585.9	1593.0	1610.8	1584.1	1603.6	1594.8	1569.9	1568.1	1580.5	1587.6
12.5°	1605.4	1596.5	1605.4	1623.1	1596.5	1616.0	1607.1	1582.2	1578.8	1594.8	1600.0
15°	1623.1	1614.2	1624.9	1640.9	1616.0	1632.0	1623.1	1598.2	1596.5	1608.9	1616.0
17.5°	1624.9	1617.8	1628.5	1640.9	1616.0	1632.0	1624.9	1598.2	1596.5	1610.8	1616.0
20°	1596.5	1596.5	1605.4	1617.8	1591.1	1607.1	1600.0	1573.4	1573.4	1585.9	1591.1
22.5°	1555.6	1557.4	1566.2	1577.0	1550.4	1566.2	1559.2	1532.6	1534.4	1545.0	1552.1
25°	1502.4	1505.9	1513.0	1523.8	1498.9	1513.0	1502.4	1481.1	1479.2	1491.8	1500.6
27.5°	1433.1	1438.5	1445.5	1454.4	1431.4	1442.0	1434.9	1413.6	1411.8	1424.2	1433.1
30°	1346.1	1353.2	1360.2	1365.6	1344.4	1355.0	1346.1	1326.6	1326.6	1337.2	1342.5
32.5°	1243.1	1250.2	1259.1	1262.6	1241.4	1253.8	1246.6	1225.4	1225.4	1236.0	1246.6
35°	1120.6	1133.0	1138.4	1143.6	1122.4	1129.5	1133.0	1104.6	1108.1	1117.0	1131.2
37.5°	989.1	999.8	1006.9	1010.5	990.9	998.0	999.8	975.0	978.5	985.6	1001.6
40°	841.8	854.2	859.5	861.2	847.1	852.4	854.2	829.4	834.6	840.0	852.4
42.5°	694.4	696.1	701.5	705.0	692.6	694.4	697.9	674.9	681.9	683.8	696.1
45°	529.2	536.2	539.9	543.4	532.8	536.2	536.2	520.4	522.1	525.6	536.2
47.5°	381.8	387.1	390.8	394.2	385.4	388.9	388.9	372.9	378.2	380.0	387.1
50°	261.0	264.6	266.4	264.6	264.6	264.6	264.6	255.8	261.0	255.8	264.6
52.5°	170.5	172.2	175.8	175.8	170.5	174.0	174.0	166.9	168.8	168.8	174.0
55°	104.8	106.5	108.4	106.5	104.8	106.5	106.5	103.0	106.5	103.0	108.4
57.5°	60.4	62.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	58.6	62.1
60°	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	35.5
62.5°	21.2	23.1	23.1	23.1	23.1	23.1	23.1	21.2	23.1	23.1	23.1
65°	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	19.5
67.5°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	16.0
70°	10.6	10.6	10.6	10.6	10.6	10.6	12.4	12.4	10.6	12.4	12.4
72.5°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
75°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	7.1
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: P212814

CATALOG NUMBER: LE_6B30D010 EC6B30509024 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5
2.5°	1543.2	1529.0	1529.0	1513.0	1527.2	1529.0	1511.2	1505.9	1525.5	1504.1	1514.8
5°	1557.4	1543.2	1543.2	1527.2	1537.9	1537.9	1520.1	1511.2	1530.8	1509.5	1518.4
7.5°	1575.2	1559.2	1555.6	1539.6	1548.5	1550.4	1529.0	1516.6	1536.1	1511.2	1520.1
10°	1580.5	1562.8	1561.0	1545.0	1552.1	1553.9	1529.0	1518.4	1534.4	1507.8	1513.0
12.5°	1593.0	1573.4	1573.4	1557.4	1562.8	1562.8	1537.9	1523.8	1537.9	1511.2	1514.8
15°	1607.1	1585.9	1585.9	1569.9	1573.4	1575.2	1545.0	1530.8	1543.2	1514.8	1518.4
17.5°	1607.1	1584.1	1584.1	1569.9	1571.6	1569.9	1541.5	1525.5	1534.4	1504.1	1505.9
20°	1582.2	1559.2	1562.8	1546.8	1548.5	1546.8	1516.6	1500.6	1509.5	1477.5	1481.1
22.5°	1541.5	1520.1	1523.8	1509.5	1509.5	1507.8	1479.2	1463.2	1472.2	1440.2	1442.0
25°	1490.0	1468.6	1472.2	1458.0	1459.8	1459.8	1431.4	1413.6	1422.5	1394.0	1394.0
27.5°	1422.5	1401.1	1406.5	1397.6	1392.2	1394.0	1369.2	1351.4	1360.2	1333.6	1333.6
30°	1335.5	1317.8	1323.0	1315.9	1310.6	1310.6	1289.2	1271.5	1280.4	1257.2	1255.5
32.5°	1232.5	1218.2	1223.6	1218.2	1212.9	1218.2	1195.1	1177.4	1186.2	1168.5	1170.2
35°	1120.6	1106.4	1109.9	1104.6	1101.0	1104.6	1081.5	1069.1	1078.0	1060.2	1067.2
37.5°	996.2	971.4	982.0	978.5	975.0	976.8	955.4	946.5	957.2	946.5	951.9
40°	850.6	832.9	840.0	836.4	832.9	841.8	825.8	813.4	822.2	815.1	825.8
42.5°	692.6	678.4	687.2	685.5	680.1	690.8	678.4	669.5	683.8	680.1	689.0
45°	532.8	522.1	529.2	529.2	527.4	536.2	523.9	525.6	539.9	545.2	555.9
47.5°	385.4	369.4	378.2	383.6	383.6	392.5	385.4	392.5	408.5	419.1	428.0
50°	262.9	259.2	261.0	262.9	266.4	273.5	271.8	282.4	293.0	310.8	321.4
52.5°	174.0	170.5	174.0	175.8	179.4	186.5	186.5	198.9	211.4	227.2	239.8
55°	108.4	106.5	108.4	110.1	113.6	120.8	122.5	135.0	147.4	163.4	174.0
57.5°	62.1	63.9	63.9	67.5	69.2	74.6	79.9	87.0	101.2	117.2	127.9
60°	35.5	35.5	37.2	39.1	40.9	46.1	49.8	56.9	67.5	83.5	90.6
62.5°	23.1	23.1	24.9	24.9	26.6	30.2	33.8	40.9	49.8	62.1	69.2
65°	19.5	19.5	19.5	21.2	21.2	24.9	28.4	33.8	40.9	49.8	56.9
67.5°	16.0	16.0	16.0	17.8	17.8	19.5	23.1	26.6	32.0	39.1	44.4
70°	12.4	12.4	12.4	14.2	14.2	16.0	17.8	19.5	24.9	30.2	33.8
72.5°	8.9	8.9	10.6	10.6	10.6	12.4	14.2	16.0	19.5	23.1	24.9
75°	7.1	7.1	7.1	7.1	8.9	8.9	10.6	12.4	14.2	16.0	17.8
77.5°	3.5	3.5	5.4	5.4	5.4	7.1	7.1	8.9	10.6	12.4	12.4
80°	3.5	3.5	3.5	3.5	3.5	5.4	5.4	5.4	7.1	8.9	8.9
82.5°	1.8	1.8	1.8	1.8	1.8	3.5	3.5	3.5	5.4	5.4	5.4
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: P212814

CATALOG NUMBER: LE_6B30D010 EC6B30509024 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5
2.5°	1502.4	1507.8	1507.8	1502.4	1488.1	1500.6	1513.0	1500.6	1516.6	1488.1	1488.1
5°	1502.4	1505.9	1504.1	1497.0	1482.9	1493.5	1502.4	1490.0	1502.4	1475.8	1474.0
7.5°	1505.9	1502.4	1498.9	1490.0	1472.2	1479.2	1488.1	1474.0	1486.4	1458.0	1454.4
10°	1498.9	1493.5	1486.4	1474.0	1454.4	1459.8	1465.1	1452.6	1461.5	1433.1	1431.4
12.5°	1498.9	1490.0	1479.2	1465.1	1443.8	1447.4	1452.6	1436.6	1443.8	1417.1	1413.6
15°	1502.4	1486.4	1474.0	1458.0	1434.9	1436.6	1440.2	1422.5	1429.6	1401.1	1399.4
17.5°	1490.0	1472.2	1459.8	1440.2	1415.4	1417.1	1417.1	1399.4	1404.8	1376.2	1374.5
20°	1463.2	1442.0	1427.8	1410.0	1383.4	1383.4	1383.4	1365.6	1369.2	1344.4	1340.8
22.5°	1426.0	1402.9	1388.8	1371.0	1346.1	1344.4	1342.5	1328.4	1328.4	1305.2	1299.9
25°	1376.2	1355.0	1340.8	1324.8	1299.9	1296.4	1296.4	1284.0	1282.1	1260.9	1257.2
27.5°	1319.5	1294.6	1282.1	1268.0	1244.9	1241.4	1239.5	1232.5	1228.9	1205.8	1204.0
30°	1243.1	1221.8	1211.1	1198.8	1177.4	1173.9	1172.1	1165.0	1163.2	1140.1	1140.1
32.5°	1161.4	1134.8	1127.6	1115.2	1099.2	1097.5	1099.2	1090.4	1083.2	1067.2	1063.8
35°	1063.8	1037.1	1031.8	1026.5	1014.0	1010.5	1008.8	1006.9	998.0	987.4	982.0
37.5°	950.1	927.0	927.0	925.2	916.4	916.4	916.4	912.8	903.9	900.4	889.8
40°	827.5	809.8	811.6	813.4	809.8	811.6	813.4	809.8	802.8	799.1	790.2
42.5°	696.1	687.2	694.4	699.8	699.8	705.0	708.6	708.6	699.8	697.9	690.8
45°	564.8	563.0	577.1	587.8	591.4	600.2	605.6	602.0	602.0	602.0	594.9
47.5°	442.2	449.2	461.8	483.0	490.1	500.8	504.4	509.6	507.9	509.6	504.4
50°	335.6	351.6	367.6	388.9	399.6	412.0	417.4	424.4	424.4	426.2	422.6
52.5°	254.0	266.4	293.0	307.2	319.6	332.1	339.2	346.2	348.1	348.1	344.5
55°	188.2	206.0	223.8	243.2	254.0	266.4	271.8	278.8	278.8	282.4	278.8
57.5°	136.8	154.5	174.0	188.2	200.6	209.5	214.9	220.2	223.8	223.8	222.0
60°	101.2	115.4	131.4	145.6	156.2	165.1	168.8	174.0	175.8	175.8	172.2
62.5°	76.4	90.6	104.8	117.2	124.2	131.4	135.0	138.5	138.5	138.5	136.8
65°	62.1	72.8	83.5	94.1	101.2	106.5	108.4	111.9	110.1	111.9	110.1
67.5°	49.8	56.9	65.8	72.8	78.1	81.8	83.5	87.0	85.2	87.0	85.2
70°	37.2	44.4	49.8	55.0	58.6	62.1	63.9	65.8	63.9	65.8	63.9
72.5°	28.4	32.0	37.2	42.6	44.4	46.1	48.0	48.0	48.0	49.8	48.0
75°	19.5	23.1	26.6	28.4	32.0	33.8	33.8	35.5	35.5	35.5	35.5
77.5°	14.2	16.0	17.8	19.5	21.2	23.1	23.1	24.9	24.9	24.9	24.9
80°	8.9	10.6	10.6	12.4	14.2	14.2	16.0	16.0	16.0	16.0	16.0
82.5°	5.4	7.1	7.1	8.9	8.9	8.9	10.6	10.6	10.6	10.6	10.6
85°	3.5	3.5	3.5	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
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: P212814

CATALOG NUMBER: LE_6B30D010 EC6B30509024 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1525.5	1525.5	1525.5	1525.5
2.5°	1502.4	1493.5	1507.8	1486.4
5°	1486.4	1477.5	1495.2	1468.6
7.5°	1466.9	1458.0	1474.0	1447.4
10°	1442.0	1433.1	1447.4	1418.9
12.5°	1420.8	1411.8	1427.8	1401.1
15°	1404.8	1395.9	1410.0	1385.1
17.5°	1379.9	1369.2	1385.1	1358.5
20°	1344.4	1337.2	1349.6	1323.0
22.5°	1303.5	1296.4	1310.6	1284.0
25°	1260.9	1252.0	1266.2	1239.5
27.5°	1205.8	1198.8	1212.9	1186.2
30°	1140.1	1133.0	1147.2	1122.4
32.5°	1065.5	1058.4	1069.1	1047.8
35°	980.2	975.0	985.6	962.5
37.5°	887.9	882.6	893.2	870.1
40°	788.5	783.1	792.0	781.4
42.5°	690.8	685.5	694.4	685.5
45°	594.9	591.4	600.2	591.4
47.5°	506.1	502.6	511.5	502.6
50°	420.9	422.6	426.2	422.6
52.5°	344.5	344.5	349.9	344.5
55°	278.8	280.6	282.4	278.8
57.5°	222.0	222.0	223.8	222.0
60°	172.2	174.0	174.0	172.2
62.5°	136.8	136.8	136.8	136.8
65°	108.4	108.4	110.1	108.4
67.5°	85.2	83.5	85.2	83.5
70°	63.9	63.9	63.9	63.9
72.5°	49.8	49.8	48.0	48.0
75°	35.5	37.2	35.5	35.5
77.5°	24.9	24.9	24.9	24.9
80°	16.0	16.0	16.0	16.0
82.5°	10.6	10.6	10.6	10.6
85°	7.1	5.4	5.4	5.4
87.5°	3.5	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)