

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: PORTFOLIO

Report Number: P244995

Luminaire Tested: **LD8B30D010 ER8B30935 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244995
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13958)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B30D010 ER8B30935 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2615.0 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

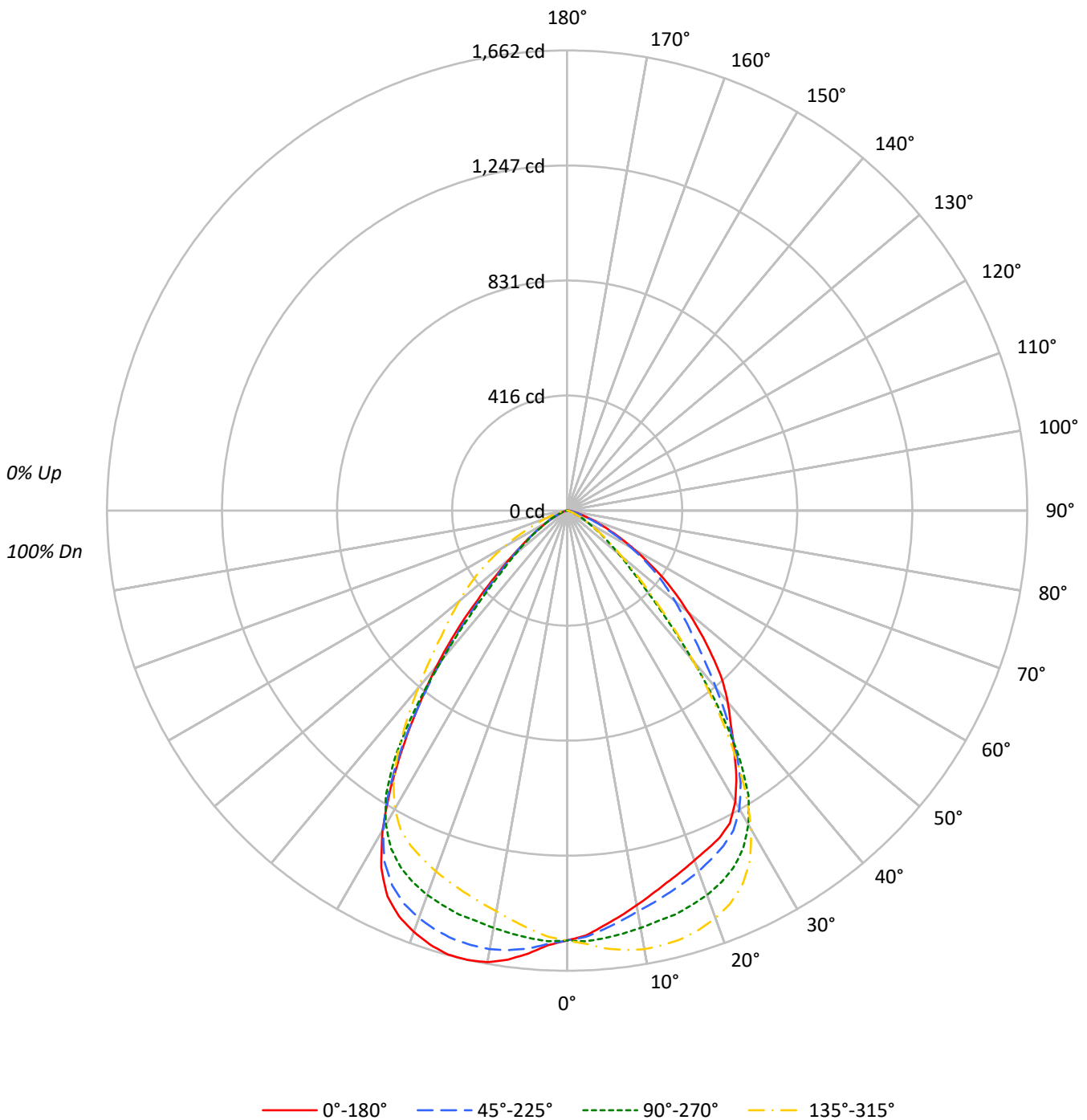
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90					90			
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81					81			
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72					72			
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65					65			
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58					58			
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53					53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48					48			
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44					44			
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40					40			
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37					37			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	47870	47870	47870	47870
5°	46601	47985	49697	47985
10°	45312	47920	51862	47920
15°	44406	48205	52997	48205
20°	44104	48481	53135	48481
25°	44337	48386	52278	48386
30°	43237	46613	47450	46613
35°	39549	40663	38582	40663
40°	36313	28286	29538	28286
45°	32262	17256	19964	17256
50°	27311	11528	12799	11528
55°	22617	7865	8312	7865
60°	17250	5236	5279	5236
65°	12222	3262	2984	3262
70°	8818	2182	1984	2182
75°	5600	1084	905	1084
80°	3907	817	675	817
85°	3503	0	248	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.8	5.7
10°-20°	427.9	16.4
20°-30°	647.9	24.8
30°-40°	649.4	24.8
40°-50°	407.8	15.6
50°-60°	217.3	8.3
60°-70°	89.4	3.4
70°-80°	23.6	0.9
80°-90°	4.0	0.2
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°	1223.6	46.8
0°-40°	1873.0	71.6
0°-60°	2498.0	95.5
0°-90°	2615.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2615.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1552	1552	1552	1552	1552	
5°	1506	1550	1606	1550	1506	142
15°	1391	1510	1660	1510	1391	393
25°	1303	1422	1536	1422	1303	598
35°	1051	1080	1025	1080	1051	658
45°	740	396	458	396	740	569
55°	421	146	155	146	421	375
65°	168	45	41	45	168	174
75°	47	9	8	9	47	53
85°	10	0	1	0	10	11
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4
2.5°	1536.5	1535.0	1534.3	1535.8	1536.5	1539.6	1538.8	1540.3	1540.3	1541.1	1542.6
5°	1505.5	1504.7	1505.5	1505.5	1508.5	1511.5	1510.8	1513.0	1514.5	1518.3	1519.8
7.5°	1476.7	1476.7	1475.9	1478.9	1480.4	1485.0	1484.2	1488.0	1490.3	1494.1	1499.4
10°	1447.1	1447.1	1447.8	1450.1	1450.9	1457.7	1457.7	1463.0	1466.0	1469.8	1476.7
12.5°	1418.3	1418.3	1422.8	1421.3	1424.3	1429.6	1431.9	1437.2	1441.8	1449.4	1456.2
15°	1391.0	1391.0	1392.5	1396.3	1398.6	1405.4	1409.2	1415.3	1420.6	1428.1	1438.0
17.5°	1367.5	1366.7	1367.5	1372.0	1376.6	1382.6	1385.7	1393.3	1398.6	1408.4	1417.5
20°	1344.0	1345.5	1345.5	1349.3	1352.3	1359.9	1362.9	1371.3	1377.3	1386.4	1397.1
22.5°	1323.5	1322.8	1322.8	1328.1	1330.4	1337.2	1340.2	1347.8	1354.6	1362.2	1372.0
25°	1303.1	1301.5	1304.6	1305.3	1306.8	1314.4	1316.7	1322.0	1328.8	1335.7	1345.5
27.5°	1272.7	1271.2	1272.0	1275.0	1277.3	1283.3	1284.9	1290.2	1295.5	1301.5	1309.9
30°	1214.3	1212.8	1212.1	1217.4	1219.7	1224.2	1226.5	1235.6	1237.1	1243.9	1250.0
32.5°	1137.0	1136.3	1137.8	1142.3	1144.6	1150.7	1153.7	1159.0	1162.8	1166.6	1172.7
35°	1050.6	1049.1	1050.6	1055.2	1055.2	1060.5	1062.8	1065.0	1064.3	1065.0	1063.5
37.5°	970.3	969.5	970.3	972.5	970.3	972.5	970.3	965.7	957.4	948.3	939.2
40°	902.1	902.8	898.3	901.3	892.9	891.4	883.1	871.7	855.1	836.9	811.1
42.5°	829.3	827.0	824.0	825.5	818.7	813.4	799.7	785.3	764.1	733.8	702.7
45°	739.8	739.1	737.6	736.8	732.3	727.0	715.6	698.9	675.4	644.3	607.2
47.5°	652.7	650.4	650.4	651.1	645.8	645.1	636.0	621.6	601.1	570.8	532.1
50°	569.3	568.5	570.0	573.1	569.3	567.8	561.7	551.9	533.7	507.9	471.5
52.5°	494.2	493.5	495.0	498.8	497.3	498.8	492.7	485.1	473.0	448.0	416.2
55°	420.7	420.7	420.7	425.2	425.2	425.2	422.2	417.7	406.3	388.1	358.6
57.5°	344.1	344.9	349.5	350.2	349.5	351.0	350.2	345.6	338.1	325.2	302.5
60°	279.7	279.7	282.0	284.3	283.5	284.3	284.3	282.0	274.4	263.8	245.6
62.5°	221.3	223.6	222.1	223.6	226.6	223.6	222.1	220.6	215.3	208.5	193.3
65°	167.5	169.0	169.0	169.8	168.3	169.0	166.0	163.7	160.7	153.1	143.3
67.5°	127.4	127.4	127.4	127.4	126.6	125.8	125.1	122.8	117.5	114.5	103.8
70°	97.8	93.2	93.2	93.2	93.2	94.0	91.7	88.7	87.2	81.9	74.3
72.5°	65.2	66.7	65.2	65.2	63.7	64.4	61.4	59.9	58.4	55.4	50.8
75°	47.0	43.2	44.7	45.5	43.2	44.7	41.7	38.7	38.7	36.4	34.1
77.5°	30.3	29.6	30.3	31.1	30.3	29.6	28.0	26.5	26.5	25.8	23.5
80°	22.0	21.2	21.2	21.2	20.5	21.2	19.7	19.7	18.2	17.4	15.9
82.5°	14.4	14.4	13.6	14.4	13.6	14.4	12.1	12.1	12.1	11.4	9.9
85°	9.9	8.3	8.3	9.1	7.6	9.1	8.3	7.6	6.8	6.8	6.1
87.5°	4.6	5.3	4.6	5.3	4.6	4.6	5.3	4.6	4.6	3.0	3.0
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4
2.5°	1544.9	1545.6	1545.6	1548.7	1550.2	1550.9	1550.9	1557.0	1554.7	1556.2	1557.7
5°	1522.9	1527.4	1528.9	1528.9	1537.3	1540.3	1543.3	1550.2	1550.9	1555.5	1560.8
7.5°	1501.6	1507.0	1510.0	1516.8	1522.1	1527.4	1536.5	1541.1	1545.6	1551.7	1558.5
10°	1481.2	1487.3	1493.3	1498.6	1507.0	1513.8	1519.8	1530.4	1535.8	1544.1	1553.2
12.5°	1461.5	1469.8	1475.1	1484.2	1493.3	1499.4	1508.5	1518.3	1526.7	1535.0	1545.6
15°	1444.1	1453.9	1460.0	1469.8	1479.7	1488.0	1497.9	1510.0	1516.1	1525.9	1535.8
17.5°	1425.1	1435.7	1443.3	1452.4	1464.5	1473.6	1482.0	1494.1	1501.6	1512.3	1523.6
20°	1405.4	1416.0	1425.1	1434.2	1446.3	1455.4	1465.3	1477.4	1485.7	1496.3	1505.5
22.5°	1381.9	1391.8	1401.6	1412.2	1424.3	1431.9	1443.3	1453.9	1463.0	1472.8	1482.0
25°	1351.6	1363.7	1371.3	1381.1	1391.0	1399.3	1411.4	1422.1	1429.6	1438.7	1447.1
27.5°	1315.9	1325.0	1331.1	1339.4	1349.3	1356.9	1366.0	1376.6	1384.2	1392.5	1398.6
30°	1255.3	1263.6	1268.9	1275.0	1284.9	1291.7	1299.3	1309.1	1314.4	1320.5	1325.8
32.5°	1175.7	1182.5	1185.5	1190.1	1196.9	1203.7	1209.8	1218.2	1220.4	1224.2	1224.2
35°	1060.5	1062.0	1061.2	1062.8	1065.8	1069.6	1074.9	1080.2	1083.2	1083.2	1081.0
37.5°	925.5	916.5	906.6	899.0	896.8	895.2	898.3	900.5	903.6	905.1	901.3
40°	785.3	764.9	742.9	723.1	709.5	703.5	701.2	702.7	702.7	708.0	708.0
42.5°	664.8	632.9	600.4	570.8	551.1	535.9	529.1	529.1	529.9	533.7	535.9
45°	564.7	524.6	486.6	454.1	426.8	407.0	398.0	395.7	394.9	396.4	401.7
47.5°	488.2	446.5	407.0	366.9	338.1	318.4	310.0	307.0	304.0	307.0	307.8
50°	428.3	385.1	343.4	303.2	272.9	255.4	244.8	240.3	239.5	239.5	241.1
52.5°	373.7	333.5	291.9	250.9	219.1	202.4	192.5	190.3	187.2	190.3	190.3
55°	322.2	282.0	241.1	202.4	175.8	158.4	149.3	146.3	144.8	147.1	147.1
57.5°	266.1	231.9	194.1	159.2	132.7	120.5	113.7	109.9	109.1	110.7	109.1
60°	218.3	189.5	156.9	125.1	104.6	91.7	86.4	84.9	83.4	84.9	84.9
62.5°	172.8	148.6	122.0	97.8	80.3	71.3	65.2	65.2	64.4	64.4	65.2
65°	128.1	109.1	90.2	69.7	56.1	49.3	44.7	44.7	44.0	44.7	44.0
67.5°	93.2	80.3	65.2	50.8	40.2	36.4	33.4	31.1	32.6	31.1	30.3
70°	68.2	57.6	47.0	38.7	31.1	27.3	25.0	24.2	22.7	22.7	22.7
72.5°	45.5	38.7	31.8	25.0	20.5	16.7	15.9	14.4	12.9	13.6	15.2
75°	30.3	25.8	22.7	18.2	13.6	13.6	9.1	9.1	7.6	9.1	6.8
77.5°	21.2	17.4	13.6	11.4	9.1	8.3	6.1	6.1	5.3	5.3	5.3
80°	15.2	12.9	9.9	8.3	6.1	6.1	5.3	4.6	3.8	3.8	4.6
82.5°	9.1	6.8	6.8	6.1	3.8	3.0	2.3	3.0	1.5	1.5	1.5
85°	5.3	4.6	3.8	2.3	1.5	1.5	0.7	0.0	0.7	0.7	0.0
87.5°	3.0	1.5	1.5	0.7	0.0	0.7	0.7	0.0	0.0	0.0	1.5
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4
2.5°	1561.6	1560.8	1562.3	1562.3	1566.9	1566.1	1568.4	1568.4	1566.9	1567.6	1570.6
5°	1566.9	1569.1	1573.7	1577.5	1584.3	1587.3	1591.1	1594.9	1595.7	1597.9	1600.2
7.5°	1566.9	1574.4	1579.7	1586.5	1595.7	1601.0	1609.3	1616.1	1619.2	1622.9	1627.5
10°	1563.8	1571.4	1581.2	1588.8	1600.2	1608.5	1616.9	1627.5	1632.0	1638.1	1644.2
12.5°	1557.7	1566.1	1576.7	1586.5	1599.4	1607.0	1617.6	1627.5	1634.3	1642.6	1649.5
15°	1548.7	1558.5	1568.4	1578.2	1591.8	1601.0	1610.8	1622.2	1629.0	1638.1	1644.2
17.5°	1534.3	1544.9	1554.0	1563.1	1575.9	1586.5	1595.7	1606.3	1613.1	1620.7	1629.0
20°	1516.8	1526.7	1536.5	1544.1	1557.0	1566.1	1575.9	1585.8	1591.1	1592.6	1605.5
22.5°	1494.8	1501.6	1509.2	1521.4	1528.9	1537.3	1546.4	1555.5	1560.8	1569.1	1573.7
25°	1458.4	1465.3	1473.6	1478.9	1488.0	1494.8	1503.9	1513.8	1516.8	1522.9	1527.4
27.5°	1407.7	1411.4	1415.3	1419.8	1425.1	1428.9	1434.2	1438.7	1441.8	1444.8	1447.8
30°	1327.3	1327.3	1327.3	1324.3	1326.5	1328.8	1329.6	1328.8	1328.8	1328.1	1328.1
32.5°	1221.2	1215.1	1208.3	1202.2	1200.0	1196.9	1195.4	1193.1	1189.4	1187.1	1187.8
35°	1077.9	1064.3	1055.9	1048.4	1042.3	1037.7	1035.5	1033.2	1032.4	1029.4	1026.4
37.5°	899.0	889.2	883.1	878.6	873.3	868.7	869.5	870.2	872.5	871.0	871.7
40°	709.5	707.2	709.5	704.2	702.7	704.2	708.0	713.3	716.3	719.4	724.7
42.5°	539.7	543.5	548.8	548.8	551.1	554.1	558.7	567.0	571.5	576.8	582.9
45°	406.3	410.9	417.7	419.9	421.5	425.2	430.6	437.4	440.4	445.0	450.3
47.5°	313.1	316.1	319.9	323.7	327.5	329.0	334.3	334.3	338.1	341.1	342.6
50°	244.1	247.1	250.1	252.4	253.9	256.2	257.7	260.0	260.7	262.3	263.0
52.5°	191.0	194.8	194.8	196.3	198.6	200.9	200.1	200.9	201.6	201.6	203.9
55°	149.3	149.3	151.6	151.6	153.1	152.4	153.1	153.1	153.1	153.1	153.9
57.5°	111.4	112.2	114.5	112.9	112.2	113.7	112.2	113.7	112.9	114.5	112.2
60°	85.6	85.6	86.4	86.4	87.2	87.2	87.2	86.4	86.4	85.6	85.6
62.5°	64.4	65.2	66.0	65.2	65.2	65.2	64.4	64.4	63.7	62.9	62.9
65°	43.2	42.5	44.0	42.5	43.2	43.2	42.5	43.2	40.9	41.7	40.9
67.5°	31.1	30.3	29.6	30.3	29.6	28.8	28.8	29.6	30.3	28.0	28.0
70°	20.5	21.2	20.5	21.2	22.0	22.0	21.2	20.5	21.2	19.7	20.5
72.5°	12.9	12.9	12.9	12.9	12.9	13.6	13.6	13.6	12.1	12.1	11.4
75°	6.1	8.3	6.8	6.1	8.3	8.3	7.6	7.6	6.8	6.8	6.8
77.5°	6.1	4.6	4.6	4.6	4.6	4.6	4.6	4.6	3.8	4.6	3.8
80°	3.0	3.0	3.0	2.3	3.0	3.0	3.8	3.0	3.0	2.3	3.8
82.5°	1.5	1.5	1.5	0.0	0.7	1.5	1.5	0.7	1.5	1.5	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P244995

CATALOG NUMBER: LD8B30D010 ER8B30935 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4
2.5°	1569.9	1569.1	1569.9	1570.6	1569.9	1569.1	1569.9	1570.6	1567.6	1566.9	1568.4
5°	1603.2	1603.2	1604.7	1605.5	1604.7	1603.2	1603.2	1600.2	1597.9	1595.7	1594.9
7.5°	1632.0	1633.6	1635.1	1635.8	1635.1	1633.6	1632.0	1627.5	1622.9	1619.2	1616.1
10°	1649.5	1651.8	1654.8	1656.3	1654.8	1651.8	1649.5	1644.2	1638.1	1632.0	1627.5
12.5°	1657.1	1659.3	1663.1	1662.4	1663.1	1659.3	1657.1	1649.5	1642.6	1634.3	1627.5
15°	1651.8	1654.8	1658.6	1660.1	1658.6	1654.8	1651.8	1644.2	1638.1	1629.0	1622.2
17.5°	1635.1	1639.6	1641.9	1644.2	1641.9	1639.6	1635.1	1629.0	1620.7	1613.1	1606.3
20°	1612.3	1615.4	1618.4	1619.2	1618.4	1615.4	1612.3	1605.5	1592.6	1591.1	1585.8
22.5°	1579.7	1582.0	1588.8	1586.5	1588.8	1582.0	1579.7	1573.7	1569.1	1560.8	1555.5
25°	1532.7	1535.0	1535.8	1536.5	1535.8	1535.0	1532.7	1527.4	1522.9	1516.8	1513.8
27.5°	1451.6	1451.6	1453.1	1453.9	1453.1	1451.6	1451.6	1447.8	1444.8	1441.8	1438.7
30°	1328.8	1328.8	1328.8	1332.6	1328.8	1328.8	1328.8	1328.1	1328.1	1328.8	1328.8
32.5°	1187.1	1185.5	1184.1	1185.5	1184.1	1185.5	1187.1	1187.8	1187.1	1189.4	1193.1
35°	1026.4	1025.6	1027.9	1024.9	1027.9	1025.6	1026.4	1026.4	1029.4	1032.4	1033.2
37.5°	872.5	871.0	874.0	871.0	874.0	871.0	872.5	871.7	871.0	872.5	870.2
40°	726.2	727.7	727.7	733.8	727.7	727.7	726.2	724.7	719.4	716.3	713.3
42.5°	586.0	590.5	589.0	593.5	589.0	590.5	586.0	582.9	576.8	571.5	567.0
45°	453.3	456.3	456.3	457.8	456.3	456.3	453.3	450.3	445.0	440.4	437.4
47.5°	347.9	347.9	347.9	348.7	347.9	347.9	347.9	342.6	341.1	338.1	334.3
50°	264.6	265.3	266.1	266.8	266.1	265.3	264.6	263.0	262.3	260.7	260.0
52.5°	203.2	203.9	202.4	203.9	202.4	203.9	203.2	203.9	201.6	201.6	200.9
55°	153.9	153.1	153.9	154.6	153.9	153.1	153.9	153.9	153.1	153.1	153.1
57.5°	112.9	111.4	111.4	111.4	111.4	111.4	112.9	112.2	114.5	112.9	113.7
60°	84.1	84.9	84.9	85.6	84.9	84.9	84.1	85.6	85.6	86.4	86.4
62.5°	62.2	64.4	62.9	64.4	62.9	64.4	62.2	62.9	62.9	63.7	64.4
65°	40.2	40.2	40.2	40.9	40.2	40.2	40.2	40.9	41.7	40.9	43.2
67.5°	27.3	28.0	29.6	28.8	29.6	28.0	27.3	28.0	28.0	30.3	29.6
70°	22.0	19.7	19.7	22.0	19.7	19.7	22.0	20.5	19.7	21.2	20.5
72.5°	12.9	11.4	12.9	12.9	12.9	11.4	12.9	11.4	12.1	12.1	13.6
75°	6.8	6.1	5.3	7.6	5.3	6.1	6.8	6.8	6.8	6.8	7.6
77.5°	4.6	3.8	5.3	5.3	5.3	3.8	4.6	3.8	4.6	3.8	4.6
80°	2.3	3.0	2.3	3.8	2.3	3.0	2.3	3.8	2.3	3.0	3.0
82.5°	0.7	1.5	1.5	1.5	1.5	1.5	0.7	0.7	1.5	1.5	0.7
85°	0.0	1.5	0.7	0.7	0.7	1.5	0.0	0.0	0.0	0.0	0.0
87.5°	0.7	0.0	0.0	0.7	0.0	0.0	0.7	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: P244995

CATALOG NUMBER: LD8B30D010 ER8B30935 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4
2.5°	1568.4	1566.1	1566.9	1562.3	1562.3	1560.8	1561.6	1557.7	1556.2	1554.7	1557.0
5°	1591.1	1587.3	1584.3	1577.5	1573.7	1569.1	1566.9	1560.8	1555.5	1550.9	1550.2
7.5°	1609.3	1601.0	1595.7	1586.5	1579.7	1574.4	1566.9	1558.5	1551.7	1545.6	1541.1
10°	1616.9	1608.5	1600.2	1588.8	1581.2	1571.4	1563.8	1553.2	1544.1	1535.8	1530.4
12.5°	1617.6	1607.0	1599.4	1586.5	1576.7	1566.1	1557.7	1545.6	1535.0	1526.7	1518.3
15°	1610.8	1601.0	1591.8	1578.2	1568.4	1558.5	1548.7	1535.8	1525.9	1516.1	1510.0
17.5°	1595.7	1586.5	1575.9	1563.1	1554.0	1544.9	1534.3	1523.6	1512.3	1501.6	1494.1
20°	1575.9	1566.1	1557.0	1544.1	1536.5	1526.7	1516.8	1505.5	1496.3	1485.7	1477.4
22.5°	1546.4	1537.3	1528.9	1521.4	1509.2	1501.6	1494.8	1482.0	1472.8	1463.0	1453.9
25°	1503.9	1494.8	1488.0	1478.9	1473.6	1465.3	1458.4	1447.1	1438.7	1429.6	1422.1
27.5°	1434.2	1428.9	1425.1	1419.8	1415.3	1411.4	1407.7	1398.6	1392.5	1384.2	1376.6
30°	1329.6	1328.8	1326.5	1324.3	1327.3	1327.3	1327.3	1325.8	1320.5	1314.4	1309.1
32.5°	1195.4	1196.9	1200.0	1202.2	1208.3	1215.1	1221.2	1224.2	1224.2	1220.4	1218.2
35°	1035.5	1037.7	1042.3	1048.4	1055.9	1064.3	1077.9	1081.0	1083.2	1083.2	1080.2
37.5°	869.5	868.7	873.3	878.6	883.1	889.2	899.0	901.3	905.1	903.6	900.5
40°	708.0	704.2	702.7	704.2	709.5	707.2	709.5	708.0	708.0	702.7	702.7
42.5°	558.7	554.1	551.1	548.8	548.8	543.5	539.7	535.9	533.7	529.9	529.1
45°	430.6	425.2	421.5	419.9	417.7	410.9	406.3	401.7	396.4	394.9	395.7
47.5°	334.3	329.0	327.5	323.7	319.9	316.1	313.1	307.8	307.0	304.0	307.0
50°	257.7	256.2	253.9	252.4	250.1	247.1	244.1	241.1	239.5	239.5	240.3
52.5°	200.1	200.9	198.6	196.3	194.8	194.8	191.0	190.3	190.3	187.2	190.3
55°	153.1	152.4	153.1	151.6	151.6	149.3	149.3	147.1	147.1	144.8	146.3
57.5°	112.2	113.7	112.2	112.9	114.5	112.2	111.4	109.1	110.7	109.1	109.9
60°	87.2	87.2	87.2	86.4	86.4	85.6	85.6	84.9	84.9	83.4	84.9
62.5°	64.4	65.2	65.2	65.2	66.0	65.2	64.4	65.2	64.4	64.4	65.2
65°	42.5	43.2	43.2	42.5	44.0	42.5	43.2	44.0	44.7	44.0	44.7
67.5°	28.8	28.8	29.6	30.3	29.6	30.3	31.1	30.3	31.1	32.6	31.1
70°	21.2	22.0	22.0	21.2	20.5	21.2	20.5	22.7	22.7	22.7	24.2
72.5°	13.6	13.6	12.9	12.9	12.9	12.9	12.9	15.2	13.6	12.9	14.4
75°	7.6	8.3	8.3	6.1	6.8	8.3	6.1	6.8	9.1	7.6	9.1
77.5°	4.6	4.6	4.6	4.6	4.6	4.6	6.1	5.3	5.3	5.3	6.1
80°	3.8	3.0	3.0	2.3	3.0	3.0	3.0	4.6	3.8	3.8	4.6
82.5°	1.5	1.5	0.7	0.0	1.5	1.5	1.5	1.5	1.5	1.5	3.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	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: P244995

CATALOG NUMBER: LD8B30D010 ER8B30935 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4
2.5°	1550.9	1550.9	1550.2	1548.7	1545.6	1545.6	1544.9	1542.6	1541.1	1540.3	1540.3
5°	1543.3	1540.3	1537.3	1528.9	1528.9	1527.4	1522.9	1519.8	1518.3	1514.5	1513.0
7.5°	1536.5	1527.4	1522.1	1516.8	1510.0	1507.0	1501.6	1499.4	1494.1	1490.3	1488.0
10°	1519.8	1513.8	1507.0	1498.6	1493.3	1487.3	1481.2	1476.7	1469.8	1466.0	1463.0
12.5°	1508.5	1499.4	1493.3	1484.2	1475.1	1469.8	1461.5	1456.2	1449.4	1441.8	1437.2
15°	1497.9	1488.0	1479.7	1469.8	1460.0	1453.9	1444.1	1438.0	1428.1	1420.6	1415.3
17.5°	1482.0	1473.6	1464.5	1452.4	1443.3	1435.7	1425.1	1417.5	1408.4	1398.6	1393.3
20°	1465.3	1455.4	1446.3	1434.2	1425.1	1416.0	1405.4	1397.1	1386.4	1377.3	1371.3
22.5°	1443.3	1431.9	1424.3	1412.2	1401.6	1391.8	1381.9	1372.0	1362.2	1354.6	1347.8
25°	1411.4	1399.3	1391.0	1381.1	1371.3	1363.7	1351.6	1345.5	1335.7	1328.8	1322.0
27.5°	1366.0	1356.9	1349.3	1339.4	1331.1	1325.0	1315.9	1309.9	1301.5	1295.5	1290.2
30°	1299.3	1291.7	1284.9	1275.0	1268.9	1263.6	1255.3	1250.0	1243.9	1237.1	1235.6
32.5°	1209.8	1203.7	1196.9	1190.1	1185.5	1182.5	1175.7	1172.7	1166.6	1162.8	1159.0
35°	1074.9	1069.6	1065.8	1062.8	1061.2	1062.0	1060.5	1063.5	1065.0	1064.3	1065.0
37.5°	898.3	895.2	896.8	899.0	906.6	916.5	925.5	939.2	948.3	957.4	965.7
40°	701.2	703.5	709.5	723.1	742.9	764.9	785.3	811.1	836.9	855.1	871.7
42.5°	529.1	535.9	551.1	570.8	600.4	632.9	664.8	702.7	733.8	764.1	785.3
45°	398.0	407.0	426.8	454.1	486.6	524.6	564.7	607.2	644.3	675.4	698.9
47.5°	310.0	318.4	338.1	366.9	407.0	446.5	488.2	532.1	570.8	601.1	621.6
50°	244.8	255.4	272.9	303.2	343.4	385.1	428.3	471.5	507.9	533.7	551.9
52.5°	192.5	202.4	219.1	250.9	291.9	333.5	373.7	416.2	448.0	473.0	485.1
55°	149.3	158.4	175.8	202.4	241.1	282.0	322.2	358.6	388.1	406.3	417.7
57.5°	113.7	120.5	132.7	159.2	194.1	231.9	266.1	302.5	325.2	338.1	345.6
60°	86.4	91.7	104.6	125.1	156.9	189.5	218.3	245.6	263.8	274.4	282.0
62.5°	65.2	71.3	80.3	97.8	122.0	148.6	172.8	193.3	208.5	215.3	220.6
65°	44.7	49.3	56.1	69.7	90.2	109.1	128.1	143.3	153.1	160.7	163.7
67.5°	33.4	36.4	40.2	50.8	65.2	80.3	93.2	103.8	114.5	117.5	122.8
70°	25.0	27.3	31.1	38.7	47.0	57.6	68.2	74.3	81.9	87.2	88.7
72.5°	15.9	16.7	20.5	25.0	31.8	38.7	45.5	50.8	55.4	58.4	59.9
75°	9.1	13.6	13.6	18.2	22.7	25.8	30.3	34.1	36.4	38.7	38.7
77.5°	6.1	8.3	9.1	11.4	13.6	17.4	21.2	23.5	25.8	26.5	26.5
80°	5.3	6.1	6.1	8.3	9.9	12.9	15.2	15.9	17.4	18.2	19.7
82.5°	2.3	3.0	3.8	6.1	6.8	6.8	9.1	9.9	11.4	12.1	12.1
85°	0.7	1.5	1.5	2.3	3.8	4.6	5.3	6.1	6.8	6.8	7.6
87.5°	0.7	0.7	0.0	0.7	1.5	1.5	3.0	3.0	3.0	4.6	4.6
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: P244995

CATALOG NUMBER: LD8B30D010 ER8B30935 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4	1552.4
2.5°	1538.8	1539.6	1536.5	1535.8	1534.3	1535.0	1536.5
5°	1510.8	1511.5	1508.5	1505.5	1505.5	1504.7	1505.5
7.5°	1484.2	1485.0	1480.4	1478.9	1475.9	1476.7	1476.7
10°	1457.7	1457.7	1450.9	1450.1	1447.8	1447.1	1447.1
12.5°	1431.9	1429.6	1424.3	1421.3	1422.8	1418.3	1418.3
15°	1409.2	1405.4	1398.6	1396.3	1392.5	1391.0	1391.0
17.5°	1385.7	1382.6	1376.6	1372.0	1367.5	1366.7	1367.5
20°	1362.9	1359.9	1352.3	1349.3	1345.5	1345.5	1344.0
22.5°	1340.2	1337.2	1330.4	1328.1	1322.8	1322.8	1323.5
25°	1316.7	1314.4	1306.8	1305.3	1304.6	1301.5	1303.1
27.5°	1284.9	1283.3	1277.3	1275.0	1272.0	1271.2	1272.7
30°	1226.5	1224.2	1219.7	1217.4	1212.1	1212.8	1214.3
32.5°	1153.7	1150.7	1144.6	1142.3	1137.8	1136.3	1137.0
35°	1062.8	1060.5	1055.2	1055.2	1050.6	1049.1	1050.6
37.5°	970.3	972.5	970.3	972.5	970.3	969.5	970.3
40°	883.1	891.4	892.9	901.3	898.3	902.8	902.1
42.5°	799.7	813.4	818.7	825.5	824.0	827.0	829.3
45°	715.6	727.0	732.3	736.8	737.6	739.1	739.8
47.5°	636.0	645.1	645.8	651.1	650.4	650.4	652.7
50°	561.7	567.8	569.3	573.1	570.0	568.5	569.3
52.5°	492.7	498.8	497.3	498.8	495.0	493.5	494.2
55°	422.2	425.2	425.2	425.2	420.7	420.7	420.7
57.5°	350.2	351.0	349.5	350.2	349.5	344.9	344.1
60°	284.3	284.3	283.5	284.3	282.0	279.7	279.7
62.5°	222.1	223.6	226.6	223.6	222.1	223.6	221.3
65°	166.0	169.0	168.3	169.8	169.0	169.0	167.5
67.5°	125.1	125.8	126.6	127.4	127.4	127.4	127.4
70°	91.7	94.0	93.2	93.2	93.2	93.2	97.8
72.5°	61.4	64.4	63.7	65.2	65.2	66.7	65.2
75°	41.7	44.7	43.2	45.5	44.7	43.2	47.0
77.5°	28.0	29.6	30.3	31.1	30.3	29.6	30.3
80°	19.7	21.2	20.5	21.2	21.2	21.2	22.0
82.5°	12.1	14.4	13.6	14.4	13.6	14.4	14.4
85°	8.3	9.1	7.6	9.1	8.3	8.3	9.9
87.5°	5.3	4.6	4.6	5.3	4.6	5.3	4.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)