

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: P246003

Luminaire Tested: **LD8B30D010 ER8B30935 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246003  
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 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
90 CRI 3500 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2610.0 lumens  
Efficiency: N/A  
Efficacy: 96.3 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

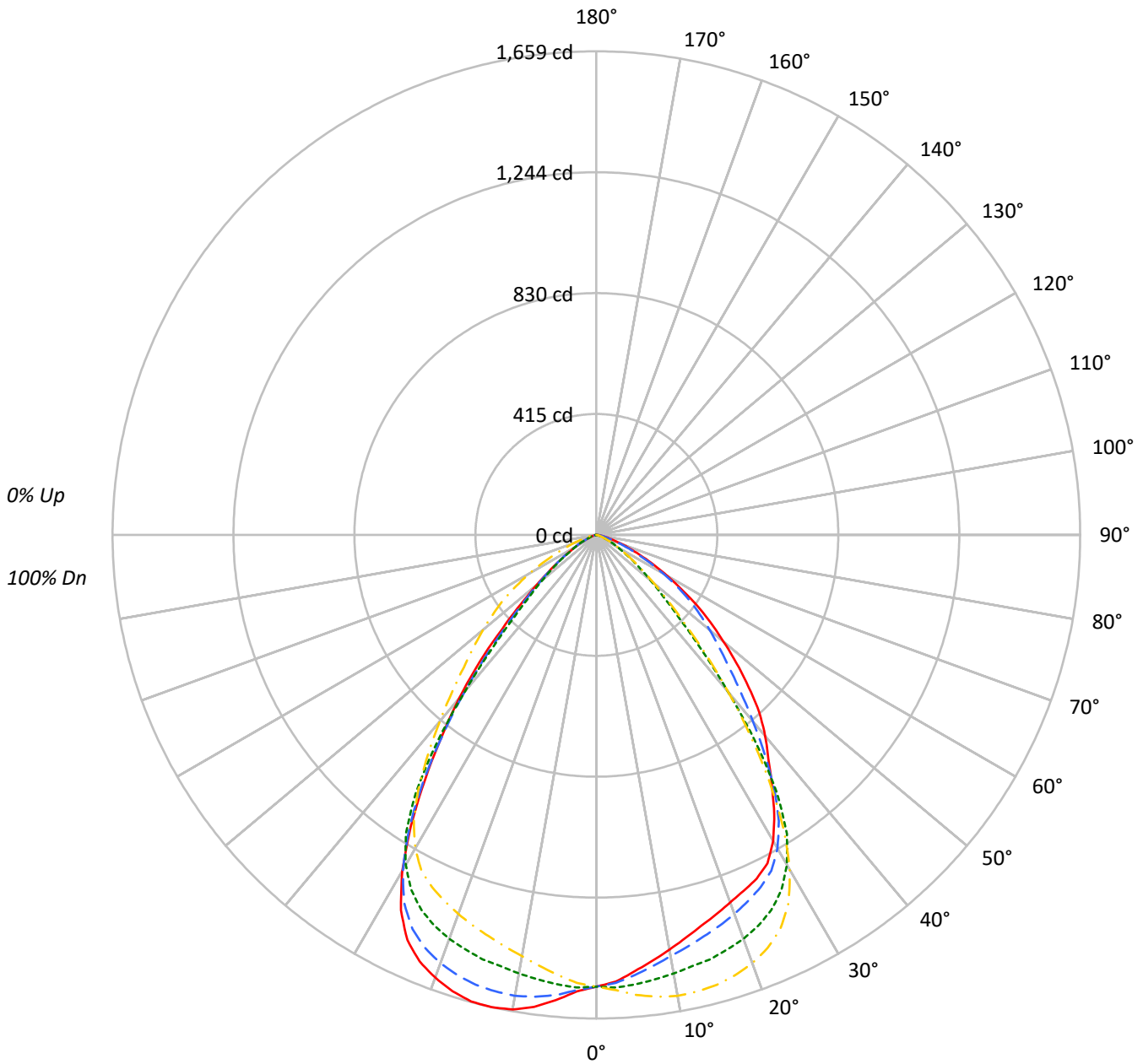
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot



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



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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°	47781	47781	47781	47781
5°	46512	47892	49601	47892
10°	45224	47829	51762	47829
15°	44320	48113	52895	48113
20°	44018	48389	53033	48389
25°	44252	48290	52179	48290
30°	43155	46524	47360	46524
35°	39474	40584	38506	40584
40°	36241	28230	29482	28230
45°	32201	17221	19929	17221
50°	27258	11504	12775	11504
55°	22574	7849	8295	7849
60°	17219	5224	5273	5224
65°	12200	3254	2984	3254
70°	8800	2182	1984	2182
75°	5588	1084	905	1084
80°	3907	799	675	799
85°	3467	0	248	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.5	5.7
10°-20°	427.1	16.4
20°-30°	646.7	24.8
30°-40°	648.1	24.8
40°-50°	407.0	15.6
50°-60°	216.9	8.3
60°-70°	89.2	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°	1221.2	46.8
0°-40°	1869.4	71.6
0°-60°	2493.3	95.5
0°-90°	2610.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2610.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1550	1550	1550	1550	1550	
5°	1503	1547	1602	1547	1503	142
15°	1388	1507	1657	1507	1388	393
25°	1301	1419	1534	1419	1301	596
35°	1049	1078	1023	1078	1049	657
45°	738	395	457	395	738	568
55°	420	146	154	146	420	374
65°	167	45	41	45	167	173
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°	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5
2.5°	1533.6	1532.1	1531.3	1532.8	1533.6	1536.6	1535.9	1537.4	1537.4	1538.1	1539.6
5°	1502.6	1501.8	1502.6	1502.6	1505.6	1508.6	1507.9	1510.1	1511.6	1515.4	1516.9
7.5°	1473.8	1473.8	1473.1	1476.1	1477.6	1482.1	1481.4	1485.2	1487.4	1491.2	1496.5
10°	1444.3	1444.3	1445.1	1447.3	1448.1	1454.9	1454.9	1460.2	1463.2	1467.0	1473.8
12.5°	1415.6	1415.6	1420.1	1418.6	1421.6	1426.9	1429.2	1434.5	1439.0	1446.6	1453.4
15°	1388.3	1388.3	1389.8	1393.6	1395.9	1402.7	1406.5	1412.5	1417.8	1425.4	1435.2
17.5°	1364.9	1364.1	1364.9	1369.4	1374.0	1380.0	1383.0	1390.6	1395.9	1405.7	1414.8
20°	1341.4	1342.9	1342.9	1346.7	1349.7	1357.3	1360.3	1368.7	1374.7	1383.8	1394.4
22.5°	1321.0	1320.2	1320.2	1325.5	1327.8	1334.6	1337.6	1345.2	1352.0	1359.6	1369.4
25°	1300.6	1299.0	1302.1	1302.8	1304.3	1311.9	1314.2	1319.5	1326.3	1333.1	1342.9
27.5°	1270.3	1268.8	1269.5	1272.6	1274.8	1280.9	1282.4	1287.7	1293.0	1299.0	1307.4
30°	1212.0	1210.5	1209.8	1215.1	1217.4	1221.9	1224.1	1233.2	1234.7	1241.5	1247.6
32.5°	1134.9	1134.1	1135.6	1140.2	1142.4	1148.5	1151.5	1156.8	1160.6	1164.4	1170.4
35°	1048.6	1047.1	1048.6	1053.2	1053.2	1058.5	1060.7	1063.0	1062.2	1063.0	1061.5
37.5°	968.4	967.7	968.4	970.7	968.4	970.7	968.4	963.9	955.6	946.5	937.4
40°	900.3	901.1	896.6	899.6	891.2	889.7	881.4	870.1	853.4	835.3	809.6
42.5°	827.7	825.4	822.4	823.9	817.1	811.8	798.2	783.8	762.6	732.4	701.3
45°	738.4	737.7	736.2	735.4	730.9	725.6	714.2	697.6	674.1	643.1	606.0
47.5°	651.4	649.1	649.1	649.9	644.6	643.8	634.8	620.4	600.0	569.7	531.1
50°	568.2	567.4	569.0	572.0	568.2	566.7	560.6	550.8	532.6	506.9	470.6
52.5°	493.3	492.5	494.1	497.8	496.3	497.8	491.8	484.2	472.1	447.1	415.4
55°	419.9	419.9	419.9	424.4	424.4	424.4	421.4	416.9	405.5	387.4	357.9
57.5°	343.5	344.2	348.8	349.5	348.8	350.3	349.5	345.0	337.4	324.6	301.9
60°	279.2	279.2	281.5	283.7	283.0	283.7	283.7	281.5	273.9	263.3	245.1
62.5°	220.9	223.2	221.7	223.2	226.2	223.2	221.7	220.2	214.9	208.1	192.9
65°	167.2	168.7	168.7	169.5	167.9	168.7	165.7	163.4	160.4	152.8	143.0
67.5°	127.1	127.1	127.1	127.1	126.3	125.6	124.8	122.6	117.3	114.3	103.6
70°	97.6	93.1	93.1	93.1	93.1	93.8	91.6	88.5	87.0	81.7	74.1
72.5°	65.1	66.6	65.1	65.1	63.6	64.3	61.3	59.8	58.3	55.2	50.7
75°	46.9	43.1	44.6	45.4	43.1	44.6	41.6	38.6	38.6	36.3	34.0
77.5°	30.3	29.5	30.3	31.0	30.3	29.5	28.0	26.5	26.5	25.7	23.4
80°	22.0	21.2	21.2	21.2	20.4	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	11.3	9.8
85°	9.8	8.3	8.3	9.1	7.6	9.1	8.3	7.6	6.8	6.8	6.0
87.5°	4.5	5.3	4.5	5.3	4.5	4.5	5.3	4.5	4.5	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°	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5
2.5°	1541.9	1542.7	1542.7	1545.7	1547.2	1547.9	1547.9	1554.0	1551.7	1553.3	1554.8
5°	1520.0	1524.5	1526.0	1526.0	1534.3	1537.4	1540.4	1547.2	1547.9	1552.5	1557.8
7.5°	1498.8	1504.1	1507.1	1513.9	1519.2	1524.5	1533.6	1538.1	1542.7	1548.7	1555.5
10°	1478.3	1484.4	1490.5	1495.8	1504.1	1510.9	1516.9	1527.5	1532.8	1541.2	1550.2
12.5°	1458.7	1467.0	1472.3	1481.4	1490.5	1496.5	1505.6	1515.4	1523.8	1532.1	1542.7
15°	1441.3	1451.1	1457.2	1467.0	1476.9	1485.2	1495.0	1507.1	1513.2	1523.0	1532.8
17.5°	1422.4	1433.0	1440.5	1449.6	1461.7	1470.8	1479.1	1491.2	1498.8	1509.4	1520.7
20°	1402.7	1413.3	1422.4	1431.4	1443.6	1452.6	1462.5	1474.6	1482.9	1493.5	1502.6
22.5°	1379.3	1389.1	1398.9	1409.5	1421.6	1429.2	1440.5	1451.1	1460.2	1470.0	1479.1
25°	1349.0	1361.1	1368.7	1378.5	1388.3	1396.6	1408.7	1419.3	1426.9	1436.0	1444.3
27.5°	1313.4	1322.5	1328.6	1336.9	1346.7	1354.3	1363.3	1374.0	1381.5	1389.8	1395.9
30°	1252.9	1261.2	1266.5	1272.6	1282.4	1289.2	1296.8	1306.6	1311.9	1318.0	1323.3
32.5°	1173.4	1180.3	1183.3	1187.8	1194.6	1201.4	1207.5	1215.8	1218.1	1221.9	1221.9
35°	1058.5	1060.0	1059.2	1060.7	1063.8	1067.5	1072.8	1078.1	1081.1	1081.1	1078.9
37.5°	923.8	914.7	904.9	897.3	895.0	893.5	896.6	898.8	901.9	903.4	899.6
40°	783.8	763.4	741.4	721.8	708.2	702.1	699.8	701.3	701.3	706.6	706.6
42.5°	663.5	631.7	599.2	569.7	550.0	534.9	528.1	528.1	528.8	532.6	534.9
45°	563.7	523.6	485.7	453.2	426.0	406.3	397.2	394.9	394.2	395.7	401.0
47.5°	487.2	445.6	406.3	366.2	337.4	317.8	309.5	306.4	303.4	306.4	307.2
50°	427.5	384.3	342.7	302.6	272.4	255.0	244.4	239.8	239.1	239.1	240.6
52.5°	373.0	332.9	291.3	250.4	218.6	202.0	192.2	189.9	186.9	189.9	189.9
55°	321.5	281.5	240.6	202.0	175.5	158.1	149.0	146.0	144.5	146.8	146.8
57.5°	265.6	231.5	193.7	158.9	132.4	120.3	113.5	109.7	108.9	110.5	108.9
60°	217.9	189.2	156.6	124.8	104.4	91.6	86.3	84.7	83.2	84.7	84.7
62.5°	172.5	148.3	121.8	97.6	80.2	71.1	65.1	65.1	64.3	64.3	65.1
65°	127.9	108.9	90.0	69.6	56.0	49.2	44.6	44.6	43.9	44.6	43.9
67.5°	93.1	80.2	65.1	50.7	40.1	36.3	33.3	31.0	32.5	31.0	30.3
70°	68.1	57.5	46.9	38.6	31.0	27.2	25.0	24.2	22.7	22.7	22.7
72.5°	45.4	38.6	31.8	25.0	20.4	16.6	15.9	14.4	12.9	13.6	15.1
75°	30.3	25.7	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	11.3	9.1	8.3	6.0	6.0	5.3	5.3	5.3
80°	15.1	12.9	9.8	8.3	6.0	6.0	5.3	4.5	3.8	3.8	4.5
82.5°	9.1	6.8	6.8	6.0	3.8	3.0	2.3	3.0	1.5	1.5	1.5
85°	5.3	4.5	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°	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5
2.5°	1558.6	1557.8	1559.3	1559.3	1563.9	1563.1	1565.4	1565.4	1563.9	1564.6	1567.6
5°	1563.9	1566.1	1570.7	1574.4	1581.2	1584.3	1588.1	1591.9	1592.6	1594.9	1597.2
7.5°	1563.9	1571.4	1576.7	1583.5	1592.6	1597.9	1606.2	1613.0	1616.1	1619.8	1624.4
10°	1560.8	1568.4	1578.2	1585.8	1597.2	1605.5	1613.8	1624.4	1628.9	1635.0	1641.0
12.5°	1554.8	1563.1	1573.7	1583.5	1596.4	1603.9	1614.5	1624.4	1631.2	1639.5	1646.3
15°	1545.7	1555.5	1565.4	1575.2	1588.8	1597.9	1607.7	1619.1	1625.9	1635.0	1641.0
17.5°	1531.3	1541.9	1551.0	1560.1	1572.9	1583.5	1592.6	1603.2	1610.0	1617.6	1625.9
20°	1513.9	1523.8	1533.6	1541.2	1554.0	1563.1	1572.9	1582.8	1588.1	1589.6	1602.4
22.5°	1492.0	1498.8	1506.3	1518.5	1526.0	1534.3	1543.4	1552.5	1557.8	1566.1	1570.7
25°	1455.6	1462.5	1470.8	1476.1	1485.2	1492.0	1501.0	1510.9	1513.9	1520.0	1524.5
27.5°	1405.0	1408.7	1412.5	1417.1	1422.4	1426.2	1431.4	1436.0	1439.0	1442.0	1445.1
30°	1324.8	1324.8	1324.8	1321.7	1324.0	1326.3	1327.0	1326.3	1326.3	1325.5	1325.5
32.5°	1218.8	1212.8	1206.0	1199.9	1197.7	1194.6	1193.1	1190.8	1187.1	1184.8	1185.6
35°	1075.8	1062.2	1053.9	1046.4	1040.3	1035.8	1033.5	1031.2	1030.5	1027.5	1024.4
37.5°	897.3	887.5	881.4	876.9	871.6	867.0	867.8	868.6	870.8	869.3	870.1
40°	708.2	705.9	708.2	702.9	701.3	702.9	706.6	712.0	715.0	718.0	723.3
42.5°	538.7	542.5	547.8	547.8	550.0	553.1	557.6	565.9	570.4	575.7	581.8
45°	405.5	410.1	416.9	419.1	420.7	424.4	429.8	436.5	439.6	444.1	449.4
47.5°	312.5	315.5	319.3	323.1	326.8	328.4	333.6	333.6	337.4	340.5	342.0
50°	243.6	246.6	249.7	251.9	253.5	255.7	257.2	259.5	260.2	261.8	262.5
52.5°	190.6	194.4	194.4	195.9	198.2	200.5	199.7	200.5	201.2	201.2	203.5
55°	149.0	149.0	151.3	151.3	152.8	152.1	152.8	152.8	152.8	152.8	153.6
57.5°	111.2	112.0	114.3	112.7	112.0	113.5	112.0	113.5	112.7	114.3	112.0
60°	85.5	85.5	86.3	86.3	87.0	87.0	87.0	86.3	86.3	85.5	85.5
62.5°	64.3	65.1	65.8	65.1	65.1	65.1	64.3	64.3	63.6	62.8	62.8
65°	43.1	42.4	43.9	42.4	43.1	43.1	42.4	43.1	40.9	41.6	40.9
67.5°	31.0	30.3	29.5	30.3	29.5	28.7	28.7	29.5	30.3	28.0	28.0
70°	20.4	21.2	20.4	21.2	22.0	22.0	21.2	20.4	21.2	19.7	20.4
72.5°	12.9	12.9	12.9	12.9	12.9	13.6	13.6	13.6	12.1	12.1	11.3
75°	6.0	8.3	6.8	6.0	8.3	8.3	7.6	7.6	6.8	6.8	6.8
77.5°	6.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	3.8	4.5	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: P246003

CATALOG NUMBER: LD8B30D010 ER8B30935 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5
2.5°	1566.9	1566.1	1566.9	1567.6	1566.9	1566.1	1566.9	1567.6	1564.6	1563.9	1565.4
5°	1600.2	1600.2	1601.7	1602.4	1601.7	1600.2	1600.2	1597.2	1594.9	1592.6	1591.9
7.5°	1628.9	1630.4	1631.9	1632.7	1631.9	1630.4	1628.9	1624.4	1619.8	1616.1	1613.0
10°	1646.3	1648.6	1651.6	1653.1	1651.6	1648.6	1646.3	1641.0	1635.0	1628.9	1624.4
12.5°	1653.9	1656.2	1659.9	1659.2	1659.9	1656.2	1653.9	1646.3	1639.5	1631.2	1624.4
15°	1648.6	1651.6	1655.4	1656.9	1655.4	1651.6	1648.6	1641.0	1635.0	1625.9	1619.1
17.5°	1631.9	1636.5	1638.8	1641.0	1638.8	1636.5	1631.9	1625.9	1617.6	1610.0	1603.2
20°	1609.2	1612.3	1615.3	1616.1	1615.3	1612.3	1609.2	1602.4	1589.6	1588.1	1582.8
22.5°	1576.7	1579.0	1585.8	1583.5	1585.8	1579.0	1576.7	1570.7	1566.1	1557.8	1552.5
25°	1529.8	1532.1	1532.8	1533.6	1532.8	1532.1	1529.8	1524.5	1520.0	1513.9	1510.9
27.5°	1448.9	1448.9	1450.4	1451.1	1450.4	1448.9	1448.9	1445.1	1442.0	1439.0	1436.0
30°	1326.3	1326.3	1326.3	1330.1	1326.3	1326.3	1326.3	1325.5	1325.5	1326.3	1326.3
32.5°	1184.8	1183.3	1181.8	1183.3	1181.8	1183.3	1184.8	1185.6	1184.8	1187.1	1190.8
35°	1024.4	1023.7	1025.9	1022.9	1025.9	1023.7	1024.4	1024.4	1027.5	1030.5	1031.2
37.5°	870.8	869.3	872.3	869.3	872.3	869.3	870.8	870.1	869.3	870.8	868.6
40°	724.8	726.3	726.3	732.4	726.3	726.3	724.8	723.3	718.0	715.0	712.0
42.5°	584.8	589.4	587.9	592.4	587.9	589.4	584.8	581.8	575.7	570.4	565.9
45°	452.4	455.5	455.5	457.0	455.5	455.5	452.4	449.4	444.1	439.6	436.5
47.5°	347.3	347.3	347.3	348.0	347.3	347.3	347.3	342.0	340.5	337.4	333.6
50°	264.0	264.8	265.6	266.3	265.6	264.8	264.0	262.5	261.8	260.2	259.5
52.5°	202.8	203.5	202.0	203.5	202.0	203.5	202.8	203.5	201.2	201.2	200.5
55°	153.6	152.8	153.6	154.3	153.6	152.8	153.6	153.6	152.8	152.8	152.8
57.5°	112.7	111.2	111.2	111.2	111.2	111.2	112.7	112.0	114.3	112.7	113.5
60°	84.0	84.7	84.7	85.5	84.7	84.7	84.0	85.5	85.5	86.3	86.3
62.5°	62.0	64.3	62.8	64.3	62.8	64.3	62.0	62.8	62.8	63.6	64.3
65°	40.1	40.1	40.1	40.9	40.1	40.1	40.1	40.9	41.6	40.9	43.1
67.5°	27.2	28.0	29.5	28.7	29.5	28.0	27.2	28.0	28.0	30.3	29.5
70°	22.0	19.7	19.7	22.0	19.7	19.7	22.0	20.4	19.7	21.2	20.4
72.5°	12.9	11.3	12.9	12.9	12.9	11.3	12.9	11.3	12.1	12.1	13.6
75°	6.8	6.0	5.3	7.6	5.3	6.0	6.8	6.8	6.8	6.8	7.6
77.5°	4.5	3.8	5.3	5.3	5.3	3.8	4.5	3.8	4.5	3.8	4.5
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: P246003

CATALOG NUMBER: LD8B30D010 ER8B30935 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5
2.5°	1565.4	1563.1	1563.9	1559.3	1559.3	1557.8	1558.6	1554.8	1553.3	1551.7	1554.0
5°	1588.1	1584.3	1581.2	1574.4	1570.7	1566.1	1563.9	1557.8	1552.5	1547.9	1547.2
7.5°	1606.2	1597.9	1592.6	1583.5	1576.7	1571.4	1563.9	1555.5	1548.7	1542.7	1538.1
10°	1613.8	1605.5	1597.2	1585.8	1578.2	1568.4	1560.8	1550.2	1541.2	1532.8	1527.5
12.5°	1614.5	1603.9	1596.4	1583.5	1573.7	1563.1	1554.8	1542.7	1532.1	1523.8	1515.4
15°	1607.7	1597.9	1588.8	1575.2	1565.4	1555.5	1545.7	1532.8	1523.0	1513.2	1507.1
17.5°	1592.6	1583.5	1572.9	1560.1	1551.0	1541.9	1531.3	1520.7	1509.4	1498.8	1491.2
20°	1572.9	1563.1	1554.0	1541.2	1533.6	1523.8	1513.9	1502.6	1493.5	1482.9	1474.6
22.5°	1543.4	1534.3	1526.0	1518.5	1506.3	1498.8	1492.0	1479.1	1470.0	1460.2	1451.1
25°	1501.0	1492.0	1485.2	1476.1	1470.8	1462.5	1455.6	1444.3	1436.0	1426.9	1419.3
27.5°	1431.4	1426.2	1422.4	1417.1	1412.5	1408.7	1405.0	1395.9	1389.8	1381.5	1374.0
30°	1327.0	1326.3	1324.0	1321.7	1324.8	1324.8	1324.8	1323.3	1318.0	1311.9	1306.6
32.5°	1193.1	1194.6	1197.7	1199.9	1206.0	1212.8	1218.8	1221.9	1221.9	1218.1	1215.8
35°	1033.5	1035.8	1040.3	1046.4	1053.9	1062.2	1075.8	1078.9	1081.1	1081.1	1078.1
37.5°	867.8	867.0	871.6	876.9	881.4	887.5	897.3	899.6	903.4	901.9	898.8
40°	706.6	702.9	701.3	702.9	708.2	705.9	708.2	706.6	706.6	701.3	701.3
42.5°	557.6	553.1	550.0	547.8	547.8	542.5	538.7	534.9	532.6	528.8	528.1
45°	429.8	424.4	420.7	419.1	416.9	410.1	405.5	401.0	395.7	394.2	394.9
47.5°	333.6	328.4	326.8	323.1	319.3	315.5	312.5	307.2	306.4	303.4	306.4
50°	257.2	255.7	253.5	251.9	249.7	246.6	243.6	240.6	239.1	239.1	239.8
52.5°	199.7	200.5	198.2	195.9	194.4	194.4	190.6	189.9	189.9	186.9	189.9
55°	152.8	152.1	152.8	151.3	151.3	149.0	149.0	146.8	146.8	144.5	146.0
57.5°	112.0	113.5	112.0	112.7	114.3	112.0	111.2	108.9	110.5	108.9	109.7
60°	87.0	87.0	87.0	86.3	86.3	85.5	85.5	84.7	84.7	83.2	84.7
62.5°	64.3	65.1	65.1	65.1	65.8	65.1	64.3	65.1	64.3	64.3	65.1
65°	42.4	43.1	43.1	42.4	43.9	42.4	43.1	43.9	44.6	43.9	44.6
67.5°	28.7	28.7	29.5	30.3	29.5	30.3	31.0	30.3	31.0	32.5	31.0
70°	21.2	22.0	22.0	21.2	20.4	21.2	20.4	22.7	22.7	22.7	24.2
72.5°	13.6	13.6	12.9	12.9	12.9	12.9	12.9	15.1	13.6	12.9	14.4
75°	7.6	8.3	8.3	6.0	6.8	8.3	6.0	6.8	9.1	7.6	9.1
77.5°	4.5	4.5	4.5	4.5	4.5	4.5	6.0	5.3	5.3	5.3	6.0
80°	3.8	3.0	3.0	2.3	3.0	3.0	3.0	4.5	3.8	3.8	4.5
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: P246003

CATALOG NUMBER: LD8B30D010 ER8B30935 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5
2.5°	1547.9	1547.9	1547.2	1545.7	1542.7	1542.7	1541.9	1539.6	1538.1	1537.4	1537.4
5°	1540.4	1537.4	1534.3	1526.0	1526.0	1524.5	1520.0	1516.9	1515.4	1511.6	1510.1
7.5°	1533.6	1524.5	1519.2	1513.9	1507.1	1504.1	1498.8	1496.5	1491.2	1487.4	1485.2
10°	1516.9	1510.9	1504.1	1495.8	1490.5	1484.4	1478.3	1473.8	1467.0	1463.2	1460.2
12.5°	1505.6	1496.5	1490.5	1481.4	1472.3	1467.0	1458.7	1453.4	1446.6	1439.0	1434.5
15°	1495.0	1485.2	1476.9	1467.0	1457.2	1451.1	1441.3	1435.2	1425.4	1417.8	1412.5
17.5°	1479.1	1470.8	1461.7	1449.6	1440.5	1433.0	1422.4	1414.8	1405.7	1395.9	1390.6
20°	1462.5	1452.6	1443.6	1431.4	1422.4	1413.3	1402.7	1394.4	1383.8	1374.7	1368.7
22.5°	1440.5	1429.2	1421.6	1409.5	1398.9	1389.1	1379.3	1369.4	1359.6	1352.0	1345.2
25°	1408.7	1396.6	1388.3	1378.5	1368.7	1361.1	1349.0	1342.9	1333.1	1326.3	1319.5
27.5°	1363.3	1354.3	1346.7	1336.9	1328.6	1322.5	1313.4	1307.4	1299.0	1293.0	1287.7
30°	1296.8	1289.2	1282.4	1272.6	1266.5	1261.2	1252.9	1247.6	1241.5	1234.7	1233.2
32.5°	1207.5	1201.4	1194.6	1187.8	1183.3	1180.3	1173.4	1170.4	1164.4	1160.6	1156.8
35°	1072.8	1067.5	1063.8	1060.7	1059.2	1060.0	1058.5	1061.5	1063.0	1062.2	1063.0
37.5°	896.6	893.5	895.0	897.3	904.9	914.7	923.8	937.4	946.5	955.6	963.9
40°	699.8	702.1	708.2	721.8	741.4	763.4	783.8	809.6	835.3	853.4	870.1
42.5°	528.1	534.9	550.0	569.7	599.2	631.7	663.5	701.3	732.4	762.6	783.8
45°	397.2	406.3	426.0	453.2	485.7	523.6	563.7	606.0	643.1	674.1	697.6
47.5°	309.5	317.8	337.4	366.2	406.3	445.6	487.2	531.1	569.7	600.0	620.4
50°	244.4	255.0	272.4	302.6	342.7	384.3	427.5	470.6	506.9	532.6	550.8
52.5°	192.2	202.0	218.6	250.4	291.3	332.9	373.0	415.4	447.1	472.1	484.2
55°	149.0	158.1	175.5	202.0	240.6	281.5	321.5	357.9	387.4	405.5	416.9
57.5°	113.5	120.3	132.4	158.9	193.7	231.5	265.6	301.9	324.6	337.4	345.0
60°	86.3	91.6	104.4	124.8	156.6	189.2	217.9	245.1	263.3	273.9	281.5
62.5°	65.1	71.1	80.2	97.6	121.8	148.3	172.5	192.9	208.1	214.9	220.2
65°	44.6	49.2	56.0	69.6	90.0	108.9	127.9	143.0	152.8	160.4	163.4
67.5°	33.3	36.3	40.1	50.7	65.1	80.2	93.1	103.6	114.3	117.3	122.6
70°	25.0	27.2	31.0	38.6	46.9	57.5	68.1	74.1	81.7	87.0	88.5
72.5°	15.9	16.6	20.4	25.0	31.8	38.6	45.4	50.7	55.2	58.3	59.8
75°	9.1	13.6	13.6	18.2	22.7	25.7	30.3	34.0	36.3	38.6	38.6
77.5°	6.0	8.3	9.1	11.3	13.6	17.4	21.2	23.4	25.7	26.5	26.5
80°	5.3	6.0	6.0	8.3	9.8	12.9	15.1	15.9	17.4	18.2	19.7
82.5°	2.3	3.0	3.8	6.0	6.8	6.8	9.1	9.8	11.3	12.1	12.1
85°	0.7	1.5	1.5	2.3	3.8	4.5	5.3	6.0	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	4.5	4.5
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: P246003

CATALOG NUMBER: LD8B30D010 ER8B30935 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5	1549.5
2.5°	1535.9	1536.6	1533.6	1532.8	1531.3	1532.1	1533.6
5°	1507.9	1508.6	1505.6	1502.6	1502.6	1501.8	1502.6
7.5°	1481.4	1482.1	1477.6	1476.1	1473.1	1473.8	1473.8
10°	1454.9	1454.9	1448.1	1447.3	1445.1	1444.3	1444.3
12.5°	1429.2	1426.9	1421.6	1418.6	1420.1	1415.6	1415.6
15°	1406.5	1402.7	1395.9	1393.6	1389.8	1388.3	1388.3
17.5°	1383.0	1380.0	1374.0	1369.4	1364.9	1364.1	1364.9
20°	1360.3	1357.3	1349.7	1346.7	1342.9	1342.9	1341.4
22.5°	1337.6	1334.6	1327.8	1325.5	1320.2	1320.2	1321.0
25°	1314.2	1311.9	1304.3	1302.8	1302.1	1299.0	1300.6
27.5°	1282.4	1280.9	1274.8	1272.6	1269.5	1268.8	1270.3
30°	1224.1	1221.9	1217.4	1215.1	1209.8	1210.5	1212.0
32.5°	1151.5	1148.5	1142.4	1140.2	1135.6	1134.1	1134.9
35°	1060.7	1058.5	1053.2	1053.2	1048.6	1047.1	1048.6
37.5°	968.4	970.7	968.4	970.7	968.4	967.7	968.4
40°	881.4	889.7	891.2	899.6	896.6	901.1	900.3
42.5°	798.2	811.8	817.1	823.9	822.4	825.4	827.7
45°	714.2	725.6	730.9	735.4	736.2	737.7	738.4
47.5°	634.8	643.8	644.6	649.9	649.1	649.1	651.4
50°	560.6	566.7	568.2	572.0	569.0	567.4	568.2
52.5°	491.8	497.8	496.3	497.8	494.1	492.5	493.3
55°	421.4	424.4	424.4	424.4	419.9	419.9	419.9
57.5°	349.5	350.3	348.8	349.5	348.8	344.2	343.5
60°	283.7	283.7	283.0	283.7	281.5	279.2	279.2
62.5°	221.7	223.2	226.2	223.2	221.7	223.2	220.9
65°	165.7	168.7	167.9	169.5	168.7	168.7	167.2
67.5°	124.8	125.6	126.3	127.1	127.1	127.1	127.1
70°	91.6	93.8	93.1	93.1	93.1	93.1	97.6
72.5°	61.3	64.3	63.6	65.1	65.1	66.6	65.1
75°	41.6	44.6	43.1	45.4	44.6	43.1	46.9
77.5°	28.0	29.5	30.3	31.0	30.3	29.5	30.3
80°	19.7	21.2	20.4	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	9.8
87.5°	5.3	4.5	4.5	5.3	4.5	5.3	4.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)