

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: P245871

Luminaire Tested: **LD8B30D010 ER8B30950 8LBSW0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245871  
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 ER8B30950 8LBSW0GPH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
90 CRI 5000 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2640.0 lumens  
Efficiency: N/A  
Efficacy: 97.4 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

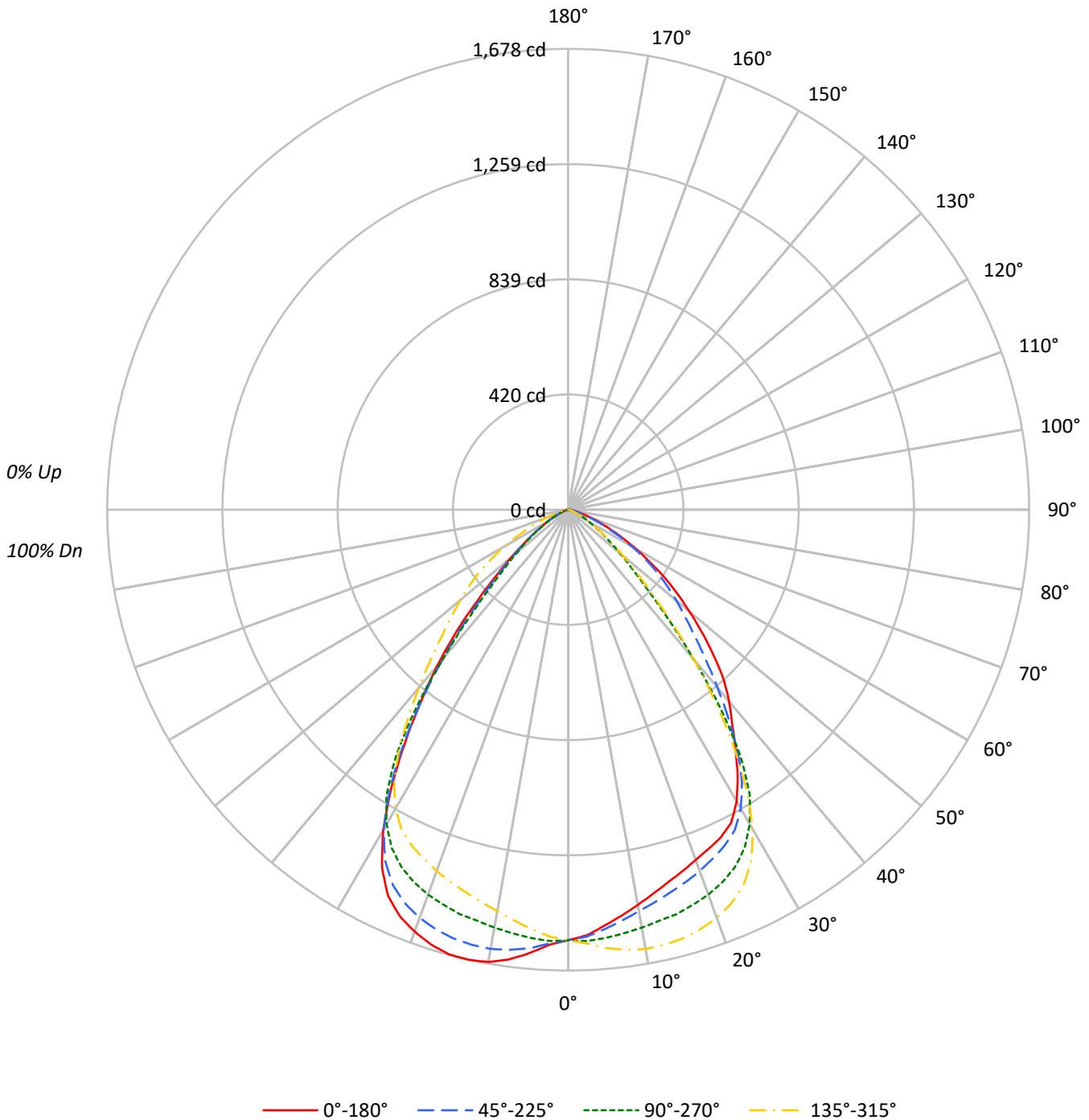
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					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°	48330	48330	48330	48330
5°	47044	48443	50174	48443
10°	45744	48380	52357	48380
15°	44831	48665	53505	48665
20°	44524	48944	53640	48944
25°	44759	48845	52778	48845
30°	43654	47058	47905	47058
35°	39929	41051	38950	41051
40°	36659	28556	29820	28556
45°	32572	17422	20156	17422
50°	27570	11638	12924	11638
55°	22832	7941	8392	7941
60°	17416	5285	5335	5285
65°	12338	3291	3013	3291
70°	8899	2209	2002	2209
75°	5647	1096	917	1096
80°	3942	817	675	817
85°	3538	0	283	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.2	5.7
10°-20°	432.0	16.4
20°-30°	654.1	24.8
30°-40°	655.6	24.8
40°-50°	411.7	15.6
50°-60°	219.4	8.3
60°-70°	90.2	3.4
70°-80°	23.8	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°	1235.3	46.8
0°-40°	1890.9	71.6
0°-60°	2521.9	95.5
0°-90°	2640.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2640.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1567	1567	1567	1567	1567	
5°	1520	1565	1621	1565	1520	143
15°	1404	1524	1676	1524	1404	397
25°	1316	1436	1551	1436	1316	603
35°	1061	1090	1035	1090	1061	665
45°	747	400	462	400	747	574
55°	425	148	156	148	425	379
65°	169	45	41	45	169	175
75°	47	9	8	9	47	54
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°	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3
2.5°	1551.2	1549.7	1548.9	1550.5	1551.2	1554.3	1553.5	1555.0	1555.0	1555.8	1557.3
5°	1519.8	1519.1	1519.8	1519.8	1522.9	1526.0	1525.2	1527.5	1529.0	1532.9	1534.4
7.5°	1490.8	1490.8	1490.0	1493.0	1494.6	1499.2	1498.4	1502.2	1504.5	1508.3	1513.7
10°	1460.9	1460.9	1461.7	1464.0	1464.8	1471.6	1471.6	1477.0	1480.0	1483.9	1490.8
12.5°	1431.8	1431.8	1436.4	1434.9	1437.9	1443.3	1445.6	1451.0	1455.6	1463.2	1470.1
15°	1404.3	1404.3	1405.8	1409.6	1411.9	1418.8	1422.6	1428.8	1434.1	1441.8	1451.7
17.5°	1380.6	1379.8	1380.6	1385.2	1389.8	1395.9	1398.9	1406.6	1411.9	1421.9	1431.1
20°	1356.8	1358.4	1358.4	1362.2	1365.2	1372.9	1376.0	1384.4	1390.5	1399.7	1410.4
22.5°	1336.2	1335.4	1335.4	1340.8	1343.1	1349.9	1353.0	1360.6	1367.5	1375.2	1385.2
25°	1315.5	1314.0	1317.1	1317.8	1319.3	1327.0	1329.3	1334.6	1341.5	1348.4	1358.4
27.5°	1284.9	1283.4	1284.1	1287.2	1289.5	1295.6	1297.1	1302.5	1307.9	1314.0	1322.4
30°	1226.0	1224.4	1223.7	1229.0	1231.3	1235.9	1238.2	1247.4	1248.9	1255.8	1261.9
32.5°	1147.9	1147.1	1148.7	1153.3	1155.6	1161.7	1164.8	1170.1	1173.9	1177.8	1183.9
35°	1060.7	1059.1	1060.7	1065.3	1065.3	1070.6	1072.9	1075.2	1074.4	1075.2	1073.7
37.5°	979.6	978.8	979.6	981.8	979.6	981.8	979.6	975.0	966.6	957.4	948.2
40°	910.7	911.4	906.9	909.9	901.5	900.0	891.6	880.1	863.2	844.9	818.9
42.5°	837.2	834.9	831.9	833.4	826.5	821.1	807.4	792.8	771.4	740.8	709.4
45°	746.9	746.2	744.6	743.9	739.3	733.9	722.4	705.6	681.9	650.5	613.0
47.5°	658.9	656.6	656.6	657.4	652.0	651.3	642.1	627.5	606.9	576.3	537.2
50°	574.7	574.0	575.5	578.5	574.7	573.2	567.1	557.1	538.8	512.7	476.0
52.5°	499.0	498.2	499.7	503.5	502.0	503.5	497.4	489.8	477.5	452.3	420.1
55°	424.7	424.7	424.7	429.3	429.3	429.3	426.2	421.7	410.2	391.8	362.0
57.5°	347.4	348.2	352.8	353.5	352.8	354.3	353.5	349.0	341.3	328.3	305.4
60°	282.4	282.4	284.7	287.0	286.2	287.0	287.0	284.7	277.0	266.3	248.0
62.5°	223.5	225.8	224.2	225.8	228.8	225.8	224.2	222.7	217.3	210.4	195.1
65°	169.1	170.7	170.7	171.4	169.9	170.7	167.6	165.3	162.3	154.6	144.6
67.5°	128.6	128.6	128.6	128.6	127.8	127.0	126.3	124.0	118.6	115.6	104.8
70°	98.7	94.1	94.1	94.1	94.1	94.9	92.6	89.6	88.0	82.7	75.0
72.5°	65.8	67.3	65.8	65.8	64.3	65.0	62.0	60.4	58.9	55.9	51.3
75°	47.4	43.6	45.1	45.9	43.6	45.1	42.1	39.0	39.0	36.7	34.4
77.5°	30.6	29.9	30.6	31.4	30.6	29.9	28.3	26.8	26.8	26.0	23.7
80°	22.2	21.4	21.4	21.4	20.7	21.4	19.9	19.9	18.4	17.6	16.1
82.5°	14.6	14.6	13.8	14.6	13.8	14.6	12.3	12.3	12.3	11.5	10.0
85°	10.0	8.4	8.4	9.2	7.7	9.2	8.4	7.7	6.9	6.9	6.1
87.5°	4.6	5.4	4.6	5.4	4.6	4.6	5.4	4.6	4.6	3.1	3.1
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°	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3
2.5°	1559.6	1560.4	1560.4	1563.5	1565.0	1565.7	1565.7	1571.9	1569.6	1571.1	1572.6
5°	1537.5	1542.0	1543.6	1543.6	1552.0	1555.0	1558.1	1565.0	1565.7	1570.3	1575.7
7.5°	1516.0	1521.4	1524.4	1531.3	1536.7	1542.0	1551.2	1555.8	1560.4	1566.5	1573.4
10°	1495.3	1501.5	1507.6	1512.9	1521.4	1528.3	1534.4	1545.1	1550.5	1558.9	1568.0
12.5°	1475.5	1483.9	1489.2	1498.4	1507.6	1513.7	1522.9	1532.9	1541.3	1549.7	1560.4
15°	1457.9	1467.8	1473.9	1483.9	1493.8	1502.2	1512.2	1524.4	1530.6	1540.5	1550.5
17.5°	1438.7	1449.4	1457.1	1466.3	1478.5	1487.7	1496.1	1508.3	1516.0	1526.7	1538.2
20°	1418.8	1429.5	1438.7	1447.9	1460.2	1469.3	1479.3	1491.5	1499.9	1510.6	1519.8
22.5°	1395.1	1405.1	1415.0	1425.7	1437.9	1445.6	1457.1	1467.8	1477.0	1486.9	1496.1
25°	1364.5	1376.7	1384.4	1394.3	1404.3	1412.7	1424.9	1435.6	1443.3	1452.5	1460.9
27.5°	1328.5	1337.7	1343.8	1352.2	1362.2	1369.8	1379.0	1389.8	1397.4	1405.8	1411.9
30°	1267.3	1275.7	1281.1	1287.2	1297.1	1304.0	1311.7	1321.6	1327.0	1333.1	1338.5
32.5°	1186.9	1193.8	1196.9	1201.5	1208.4	1215.2	1221.4	1229.8	1232.1	1235.9	1235.9
35°	1070.6	1072.1	1071.4	1072.9	1076.0	1079.8	1085.2	1090.5	1093.6	1093.6	1091.3
37.5°	934.4	925.2	915.3	907.6	905.3	903.8	906.9	909.1	912.2	913.7	909.9
40°	792.8	772.2	750.0	730.1	716.3	710.2	707.9	709.4	709.4	714.8	714.8
42.5°	671.2	639.0	606.1	576.3	556.3	541.1	534.2	534.2	534.9	538.8	541.1
45°	570.1	529.6	491.3	458.4	430.8	410.9	401.8	399.5	398.7	400.2	405.6
47.5°	492.8	450.8	410.9	370.4	341.3	321.4	313.0	309.9	306.9	309.9	310.7
50°	432.4	388.8	346.7	306.1	275.5	257.9	247.2	242.6	241.8	241.8	243.4
52.5°	377.3	336.7	294.6	253.3	221.2	204.3	194.4	192.1	189.0	192.1	192.1
55°	325.2	284.7	243.4	204.3	177.5	160.0	150.8	147.7	146.2	148.5	148.5
57.5°	268.6	234.2	195.9	160.7	133.9	121.7	114.8	111.0	110.2	111.7	110.2
60°	220.4	191.3	158.4	126.3	105.6	92.6	87.3	85.7	84.2	85.7	85.7
62.5°	174.5	150.0	123.2	98.7	81.1	71.9	65.8	65.8	65.0	65.0	65.8
65°	129.3	110.2	91.1	70.4	56.6	49.7	45.1	45.1	44.4	45.1	44.4
67.5°	94.1	81.1	65.8	51.3	40.6	36.7	33.7	31.4	32.9	31.4	30.6
70°	68.9	58.1	47.4	39.0	31.4	27.6	25.3	24.5	23.0	23.0	23.0
72.5°	45.9	39.0	32.1	25.3	20.7	16.8	16.1	14.6	13.0	13.8	15.3
75°	30.6	26.0	23.0	18.4	13.8	13.8	9.2	9.2	7.7	9.2	6.9
77.5°	21.4	17.6	13.8	11.5	9.2	8.4	6.1	6.1	5.4	5.4	5.4
80°	15.3	13.0	10.0	8.4	6.1	6.1	5.4	4.6	3.8	3.8	4.6
82.5°	9.2	6.9	6.9	6.1	3.8	3.1	2.3	3.1	1.5	1.5	1.5
85°	5.4	4.6	3.8	2.3	1.5	1.5	0.8	0.0	0.8	0.8	0.0
87.5°	3.1	1.5	1.5	0.8	0.0	0.8	0.8	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°	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3
2.5°	1576.5	1575.7	1577.2	1577.2	1581.8	1581.0	1583.3	1583.3	1581.8	1582.6	1585.6
5°	1581.8	1584.1	1588.7	1592.5	1599.4	1602.5	1606.3	1610.2	1610.9	1613.2	1615.5
7.5°	1581.8	1589.5	1594.8	1601.7	1610.9	1616.3	1624.7	1631.6	1634.6	1638.4	1643.0
10°	1578.8	1586.4	1596.4	1604.0	1615.5	1623.9	1632.3	1643.0	1647.6	1653.8	1659.9
12.5°	1572.6	1581.0	1591.8	1601.7	1614.7	1622.4	1633.1	1643.0	1649.9	1658.3	1665.2
15°	1563.5	1573.4	1583.3	1593.3	1607.1	1616.3	1626.2	1637.7	1644.6	1653.8	1659.9
17.5°	1548.9	1559.6	1568.8	1578.0	1591.0	1601.7	1610.9	1621.6	1628.5	1636.2	1644.6
20°	1531.3	1541.3	1551.2	1558.9	1571.9	1581.0	1591.0	1601.0	1606.3	1607.9	1620.9
22.5°	1509.1	1516.0	1523.7	1535.9	1543.6	1552.0	1561.2	1570.3	1575.7	1584.1	1588.7
25°	1472.4	1479.3	1487.7	1493.0	1502.2	1509.1	1518.3	1528.3	1531.3	1537.5	1542.0
27.5°	1421.1	1424.9	1428.8	1433.3	1438.7	1442.5	1447.9	1452.5	1455.6	1458.6	1461.7
30°	1340.0	1340.0	1340.0	1336.9	1339.2	1341.5	1342.3	1341.5	1341.5	1340.8	1340.8
32.5°	1232.9	1226.7	1219.8	1213.7	1211.4	1208.4	1206.8	1204.5	1200.7	1198.4	1199.2
35°	1088.2	1074.4	1066.0	1058.4	1052.3	1047.7	1045.4	1043.1	1042.3	1039.3	1036.2
37.5°	907.6	897.7	891.6	887.0	881.6	877.0	877.8	878.5	880.8	879.3	880.1
40°	716.3	714.0	716.3	710.9	709.4	710.9	714.8	720.1	723.2	726.3	731.6
42.5°	544.9	548.7	554.1	554.1	556.3	559.4	564.0	572.4	577.0	582.4	588.5
45°	410.2	414.8	421.7	424.0	425.5	429.3	434.7	441.6	444.6	449.2	454.6
47.5°	316.1	319.1	322.9	326.8	330.6	332.1	337.5	337.5	341.3	344.4	345.9
50°	246.4	249.5	252.5	254.8	256.4	258.7	260.2	262.5	263.2	264.8	265.5
52.5°	192.8	196.7	196.7	198.2	200.5	202.8	202.0	202.8	203.5	203.5	205.8
55°	150.8	150.8	153.1	153.1	154.6	153.8	154.6	154.6	154.6	154.6	155.4
57.5°	112.5	113.3	115.6	114.0	113.3	114.8	113.3	114.8	114.0	115.6	113.3
60°	86.5	86.5	87.3	87.3	88.0	88.0	88.0	87.3	87.3	86.5	86.5
62.5°	65.0	65.8	66.6	65.8	65.8	65.8	65.0	65.0	64.3	63.5	63.5
65°	43.6	42.9	44.4	42.9	43.6	43.6	42.9	43.6	41.3	42.1	41.3
67.5°	31.4	30.6	29.9	30.6	29.9	29.1	29.1	29.9	30.6	28.3	28.3
70°	20.7	21.4	20.7	21.4	22.2	22.2	21.4	20.7	21.4	19.9	20.7
72.5°	13.0	13.0	13.0	13.0	13.0	13.8	13.8	13.8	12.3	12.3	11.5
75°	6.1	8.4	6.9	6.1	8.4	8.4	7.7	7.7	6.9	6.9	6.9
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°	3.1	3.1	3.1	2.3	3.1	3.1	3.8	3.1	3.1	2.3	3.8
82.5°	1.5	1.5	1.5	0.0	0.8	1.5	1.5	0.8	1.5	1.5	0.8
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: P245871

CATALOG NUMBER: LD8B30D010 ER8B30950 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3
2.5°	1584.9	1584.1	1584.9	1585.6	1584.9	1584.1	1584.9	1585.6	1582.6	1581.8	1583.3
5°	1618.6	1618.6	1620.1	1620.9	1620.1	1618.6	1618.6	1615.5	1613.2	1610.9	1610.2
7.5°	1647.6	1649.2	1650.7	1651.5	1650.7	1649.2	1647.6	1643.0	1638.4	1634.6	1631.6
10°	1665.2	1667.5	1670.6	1672.1	1670.6	1667.5	1665.2	1659.9	1653.8	1647.6	1643.0
12.5°	1672.9	1675.2	1679.0	1678.3	1679.0	1675.2	1672.9	1665.2	1658.3	1649.9	1643.0
15°	1667.5	1670.6	1674.4	1676.0	1674.4	1670.6	1667.5	1659.9	1653.8	1644.6	1637.7
17.5°	1650.7	1655.3	1657.6	1659.9	1657.6	1655.3	1650.7	1644.6	1636.2	1628.5	1621.6
20°	1627.7	1630.8	1633.9	1634.6	1633.9	1630.8	1627.7	1620.9	1607.9	1606.3	1601.0
22.5°	1594.8	1597.1	1604.0	1601.7	1604.0	1597.1	1594.8	1588.7	1584.1	1575.7	1570.3
25°	1547.4	1549.7	1550.5	1551.2	1550.5	1549.7	1547.4	1542.0	1537.5	1531.3	1528.3
27.5°	1465.5	1465.5	1467.0	1467.8	1467.0	1465.5	1465.5	1461.7	1458.6	1455.6	1452.5
30°	1341.5	1341.5	1341.5	1345.4	1341.5	1341.5	1341.5	1340.8	1340.8	1341.5	1341.5
32.5°	1198.4	1196.9	1195.4	1196.9	1195.4	1196.9	1198.4	1199.2	1198.4	1200.7	1204.5
35°	1036.2	1035.4	1037.7	1034.7	1037.7	1035.4	1036.2	1036.2	1039.3	1042.3	1043.1
37.5°	880.8	879.3	882.4	879.3	882.4	879.3	880.8	880.1	879.3	880.8	878.5
40°	733.1	734.7	734.7	740.8	734.7	734.7	733.1	731.6	726.3	723.2	720.1
42.5°	591.6	596.2	594.6	599.2	594.6	596.2	591.6	588.5	582.4	577.0	572.4
45°	457.6	460.7	460.7	462.2	460.7	460.7	457.6	454.6	449.2	444.6	441.6
47.5°	351.2	351.2	351.2	352.0	351.2	351.2	351.2	345.9	344.4	341.3	337.5
50°	267.1	267.8	268.6	269.4	268.6	267.8	267.1	265.5	264.8	263.2	262.5
52.5°	205.1	205.8	204.3	205.8	204.3	205.8	205.1	205.8	203.5	203.5	202.8
55°	155.4	154.6	155.4	156.1	155.4	154.6	155.4	155.4	154.6	154.6	154.6
57.5°	114.0	112.5	112.5	112.5	112.5	112.5	114.0	113.3	115.6	114.0	114.8
60°	85.0	85.7	85.7	86.5	85.7	85.7	85.0	86.5	86.5	87.3	87.3
62.5°	62.7	65.0	63.5	65.0	63.5	65.0	62.7	63.5	63.5	64.3	65.0
65°	40.6	40.6	40.6	41.3	40.6	40.6	40.6	41.3	42.1	41.3	43.6
67.5°	27.6	28.3	29.9	29.1	29.9	28.3	27.6	28.3	28.3	30.6	29.9
70°	22.2	19.9	19.9	22.2	19.9	19.9	22.2	20.7	19.9	21.4	20.7
72.5°	13.0	11.5	13.0	13.0	13.0	11.5	13.0	11.5	12.3	12.3	13.8
75°	6.9	6.1	5.4	7.7	5.4	6.1	6.9	6.9	6.9	6.9	7.7
77.5°	4.6	3.8	5.4	5.4	5.4	3.8	4.6	3.8	4.6	3.8	4.6
80°	2.3	3.1	2.3	3.8	2.3	3.1	2.3	3.8	2.3	3.1	3.1
82.5°	0.8	1.5	1.5	1.5	1.5	1.5	0.8	0.8	1.5	1.5	0.8
85°	0.0	1.5	0.8	0.8	0.8	1.5	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	0.0	0.0	0.8	0.0	0.0	0.8	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: P245871

CATALOG NUMBER: LD8B30D010 ER8B30950 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3
2.5°	1583.3	1581.0	1581.8	1577.2	1577.2	1575.7	1576.5	1572.6	1571.1	1569.6	1571.9
5°	1606.3	1602.5	1599.4	1592.5	1588.7	1584.1	1581.8	1575.7	1570.3	1565.7	1565.0
7.5°	1624.7	1616.3	1610.9	1601.7	1594.8	1589.5	1581.8	1573.4	1566.5	1560.4	1555.8
10°	1632.3	1623.9	1615.5	1604.0	1596.4	1586.4	1578.8	1568.0	1558.9	1550.5	1545.1
12.5°	1633.1	1622.4	1614.7	1601.7	1591.8	1581.0	1572.6	1560.4	1549.7	1541.3	1532.9
15°	1626.2	1616.3	1607.1	1593.3	1583.3	1573.4	1563.5	1550.5	1540.5	1530.6	1524.4
17.5°	1610.9	1601.7	1591.0	1578.0	1568.8	1559.6	1548.9	1538.2	1526.7	1516.0	1508.3
20°	1591.0	1581.0	1571.9	1558.9	1551.2	1541.3	1531.3	1519.8	1510.6	1499.9	1491.5
22.5°	1561.2	1552.0	1543.6	1535.9	1523.7	1516.0	1509.1	1496.1	1486.9	1477.0	1467.8
25°	1518.3	1509.1	1502.2	1493.0	1487.7	1479.3	1472.4	1460.9	1452.5	1443.3	1435.6
27.5°	1447.9	1442.5	1438.7	1433.3	1428.8	1424.9	1421.1	1411.9	1405.8	1397.4	1389.8
30°	1342.3	1341.5	1339.2	1336.9	1340.0	1340.0	1340.0	1338.5	1333.1	1327.0	1321.6
32.5°	1206.8	1208.4	1211.4	1213.7	1219.8	1226.7	1232.9	1235.9	1235.9	1232.1	1229.8
35°	1045.4	1047.7	1052.3	1058.4	1066.0	1074.4	1088.2	1091.3	1093.6	1093.6	1090.5
37.5°	877.8	877.0	881.6	887.0	891.6	897.7	907.6	909.9	913.7	912.2	909.1
40°	714.8	710.9	709.4	710.9	716.3	714.0	716.3	714.8	714.8	709.4	709.4
42.5°	564.0	559.4	556.3	554.1	554.1	548.7	544.9	541.1	538.8	534.9	534.2
45°	434.7	429.3	425.5	424.0	421.7	414.8	410.2	405.6	400.2	398.7	399.5
47.5°	337.5	332.1	330.6	326.8	322.9	319.1	316.1	310.7	309.9	306.9	309.9
50°	260.2	258.7	256.4	254.8	252.5	249.5	246.4	243.4	241.8	241.8	242.6
52.5°	202.0	202.8	200.5	198.2	196.7	196.7	192.8	192.1	192.1	189.0	192.1
55°	154.6	153.8	154.6	153.1	153.1	150.8	150.8	148.5	148.5	146.2	147.7
57.5°	113.3	114.8	113.3	114.0	115.6	113.3	112.5	110.2	111.7	110.2	111.0
60°	88.0	88.0	88.0	87.3	87.3	86.5	86.5	85.7	85.7	84.2	85.7
62.5°	65.0	65.8	65.8	65.8	66.6	65.8	65.0	65.8	65.0	65.0	65.8
65°	42.9	43.6	43.6	42.9	44.4	42.9	43.6	44.4	45.1	44.4	45.1
67.5°	29.1	29.1	29.9	30.6	29.9	30.6	31.4	30.6	31.4	32.9	31.4
70°	21.4	22.2	22.2	21.4	20.7	21.4	20.7	23.0	23.0	23.0	24.5
72.5°	13.8	13.8	13.0	13.0	13.0	13.0	13.0	15.3	13.8	13.0	14.6
75°	7.7	8.4	8.4	6.1	6.9	8.4	6.1	6.9	9.2	7.7	9.2
77.5°	4.6	4.6	4.6	4.6	4.6	4.6	6.1	5.4	5.4	5.4	6.1
80°	3.8	3.1	3.1	2.3	3.1	3.1	3.1	4.6	3.8	3.8	4.6
82.5°	1.5	1.5	0.8	0.0	1.5	1.5	1.5	1.5	1.5	1.5	3.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	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: P245871

CATALOG NUMBER: LD8B30D010 ER8B30950 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3
2.5°	1565.7	1565.7	1565.0	1563.5	1560.4	1560.4	1559.6	1557.3	1555.8	1555.0	1555.0
5°	1558.1	1555.0	1552.0	1543.6	1543.6	1542.0	1537.5	1534.4	1532.9	1529.0	1527.5
7.5°	1551.2	1542.0	1536.7	1531.3	1524.4	1521.4	1516.0	1513.7	1508.3	1504.5	1502.2
10°	1534.4	1528.3	1521.4	1512.9	1507.6	1501.5	1495.3	1490.8	1483.9	1480.0	1477.0
12.5°	1522.9	1513.7	1507.6	1498.4	1489.2	1483.9	1475.5	1470.1	1463.2	1455.6	1451.0
15°	1512.2	1502.2	1493.8	1483.9	1473.9	1467.8	1457.9	1451.7	1441.8	1434.1	1428.8
17.5°	1496.1	1487.7	1478.5	1466.3	1457.1	1449.4	1438.7	1431.1	1421.9	1411.9	1406.6
20°	1479.3	1469.3	1460.2	1447.9	1438.7	1429.5	1418.8	1410.4	1399.7	1390.5	1384.4
22.5°	1457.1	1445.6	1437.9	1425.7	1415.0	1405.1	1395.1	1385.2	1375.2	1367.5	1360.6
25°	1424.9	1412.7	1404.3	1394.3	1384.4	1376.7	1364.5	1358.4	1348.4	1341.5	1334.6
27.5°	1379.0	1369.8	1362.2	1352.2	1343.8	1337.7	1328.5	1322.4	1314.0	1307.9	1302.5
30°	1311.7	1304.0	1297.1	1287.2	1281.1	1275.7	1267.3	1261.9	1255.8	1248.9	1247.4
32.5°	1221.4	1215.2	1208.4	1201.5	1196.9	1193.8	1186.9	1183.9	1177.8	1173.9	1170.1
35°	1085.2	1079.8	1076.0	1072.9	1071.4	1072.1	1070.6	1073.7	1075.2	1074.4	1075.2
37.5°	906.9	903.8	905.3	907.6	915.3	925.2	934.4	948.2	957.4	966.6	975.0
40°	707.9	710.2	716.3	730.1	750.0	772.2	792.8	818.9	844.9	863.2	880.1
42.5°	534.2	541.1	556.3	576.3	606.1	639.0	671.2	709.4	740.8	771.4	792.8
45°	401.8	410.9	430.8	458.4	491.3	529.6	570.1	613.0	650.5	681.9	705.6
47.5°	313.0	321.4	341.3	370.4	410.9	450.8	492.8	537.2	576.3	606.9	627.5
50°	247.2	257.9	275.5	306.1	346.7	388.8	432.4	476.0	512.7	538.8	557.1
52.5°	194.4	204.3	221.2	253.3	294.6	336.7	377.3	420.1	452.3	477.5	489.8
55°	150.8	160.0	177.5	204.3	243.4	284.7	325.2	362.0	391.8	410.2	421.7
57.5°	114.8	121.7	133.9	160.7	195.9	234.2	268.6	305.4	328.3	341.3	349.0
60°	87.3	92.6	105.6	126.3	158.4	191.3	220.4	248.0	266.3	277.0	284.7
62.5°	65.8	71.9	81.1	98.7	123.2	150.0	174.5	195.1	210.4	217.3	222.7
65°	45.1	49.7	56.6	70.4	91.1	110.2	129.3	144.6	154.6	162.3	165.3
67.5°	33.7	36.7	40.6	51.3	65.8	81.1	94.1	104.8	115.6	118.6	124.0
70°	25.3	27.6	31.4	39.0	47.4	58.1	68.9	75.0	82.7	88.0	89.6
72.5°	16.1	16.8	20.7	25.3	32.1	39.0	45.9	51.3	55.9	58.9	60.4
75°	9.2	13.8	13.8	18.4	23.0	26.0	30.6	34.4	36.7	39.0	39.0
77.5°	6.1	8.4	9.2	11.5	13.8	17.6	21.4	23.7	26.0	26.8	26.8
80°	5.4	6.1	6.1	8.4	10.0	13.0	15.3	16.1	17.6	18.4	19.9
82.5°	2.3	3.1	3.8	6.1	6.9	6.9	9.2	10.0	11.5	12.3	12.3
85°	0.8	1.5	1.5	2.3	3.8	4.6	5.4	6.1	6.9	6.9	7.7
87.5°	0.8	0.8	0.0	0.8	1.5	1.5	3.1	3.1	3.1	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: P245871

CATALOG NUMBER: LD8B30D010 ER8B30950 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3	1567.3
2.5°	1553.5	1554.3	1551.2	1550.5	1548.9	1549.7	1551.2
5°	1525.2	1526.0	1522.9	1519.8	1519.8	1519.1	1519.8
7.5°	1498.4	1499.2	1494.6	1493.0	1490.0	1490.8	1490.8
10°	1471.6	1471.6	1464.8	1464.0	1461.7	1460.9	1460.9
12.5°	1445.6	1443.3	1437.9	1434.9	1436.4	1431.8	1431.8
15°	1422.6	1418.8	1411.9	1409.6	1405.8	1404.3	1404.3
17.5°	1398.9	1395.9	1389.8	1385.2	1380.6	1379.8	1380.6
20°	1376.0	1372.9	1365.2	1362.2	1358.4	1358.4	1356.8
22.5°	1353.0	1349.9	1343.1	1340.8	1335.4	1335.4	1336.2
25°	1329.3	1327.0	1319.3	1317.8	1317.1	1314.0	1315.5
27.5°	1297.1	1295.6	1289.5	1287.2	1284.1	1283.4	1284.9
30°	1238.2	1235.9	1231.3	1229.0	1223.7	1224.4	1226.0
32.5°	1164.8	1161.7	1155.6	1153.3	1148.7	1147.1	1147.9
35°	1072.9	1070.6	1065.3	1065.3	1060.7	1059.1	1060.7
37.5°	979.6	981.8	979.6	981.8	979.6	978.8	979.6
40°	891.6	900.0	901.5	909.9	906.9	911.4	910.7
42.5°	807.4	821.1	826.5	833.4	831.9	834.9	837.2
45°	722.4	733.9	739.3	743.9	744.6	746.2	746.9
47.5°	642.1	651.3	652.0	657.4	656.6	656.6	658.9
50°	567.1	573.2	574.7	578.5	575.5	574.0	574.7
52.5°	497.4	503.5	502.0	503.5	499.7	498.2	499.0
55°	426.2	429.3	429.3	429.3	424.7	424.7	424.7
57.5°	353.5	354.3	352.8	353.5	352.8	348.2	347.4
60°	287.0	287.0	286.2	287.0	284.7	282.4	282.4
62.5°	224.2	225.8	228.8	225.8	224.2	225.8	223.5
65°	167.6	170.7	169.9	171.4	170.7	170.7	169.1
67.5°	126.3	127.0	127.8	128.6	128.6	128.6	128.6
70°	92.6	94.9	94.1	94.1	94.1	94.1	98.7
72.5°	62.0	65.0	64.3	65.8	65.8	67.3	65.8
75°	42.1	45.1	43.6	45.9	45.1	43.6	47.4
77.5°	28.3	29.9	30.6	31.4	30.6	29.9	30.6
80°	19.9	21.4	20.7	21.4	21.4	21.4	22.2
82.5°	12.3	14.6	13.8	14.6	13.8	14.6	14.6
85°	8.4	9.2	7.7	9.2	8.4	8.4	10.0
87.5°	5.4	4.6	4.6	5.4	4.6	5.4	4.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)