

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: P245817

Luminaire Tested: **LD8B30D010 ER8B30827 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245817
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 ER8B30827 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 2700 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2686.0 lumens
Efficiency: N/A
Efficacy: 99.1 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

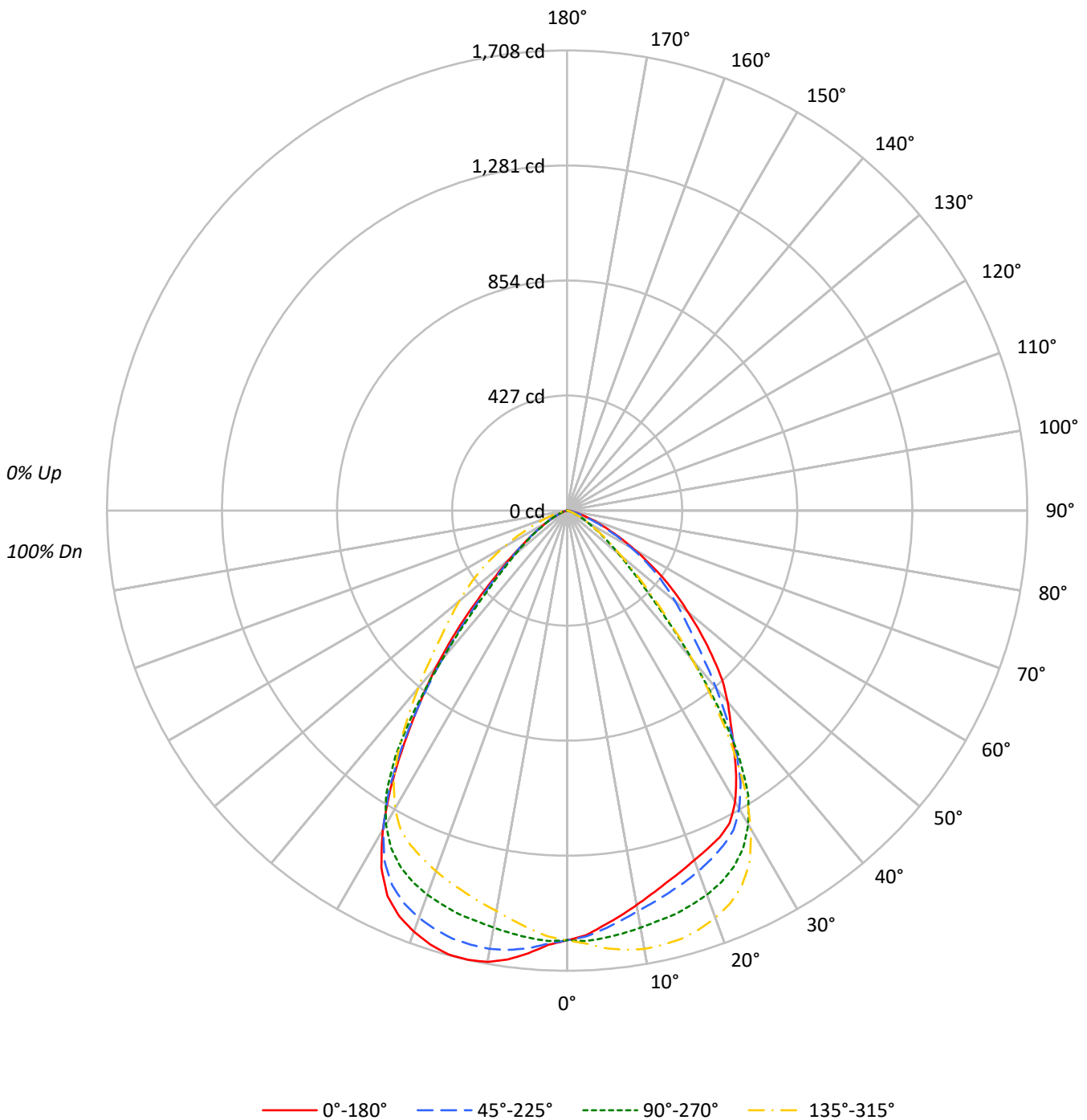
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	49172	49172	49172	49172
5°	47864	49288	51046	49288
10°	46542	49222	53268	49222
15°	45610	49514	54437	49514
20°	45302	49797	54575	49797
25°	45538	49699	53697	49699
30°	44412	47877	48738	47877
35°	40626	41766	39628	41766
40°	37295	29055	30339	29055
45°	33139	17723	20509	17723
50°	28050	11840	13149	11840
55°	23230	8080	8537	8080
60°	17719	5378	5427	5378
65°	12557	3349	3065	3349
70°	9052	2245	2038	2245
75°	5755	1120	929	1120
80°	4013	835	693	835
85°	3573	0	283	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.8	5.7
10°-20°	439.5	16.4
20°-30°	665.5	24.8
30°-40°	667.0	24.8
40°-50°	418.9	15.6
50°-60°	223.2	8.3
60°-70°	91.8	3.4
70°-80°	24.2	0.9
80°-90°	4.1	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°	1256.8	46.8
0°-40°	1923.8	71.6
0°-60°	2565.9	95.5
0°-90°	2686.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2686.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1595	1595	1595	1595	1595	
5°	1546	1592	1649	1592	1546	146
15°	1429	1551	1705	1551	1429	404
25°	1338	1461	1578	1461	1338	614
35°	1079	1110	1053	1110	1079	676
45°	760	406	470	406	760	584
55°	432	150	159	150	432	385
65°	172	46	42	46	172	178
75°	48	9	8	9	48	55
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°	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6
2.5°	1578.2	1576.7	1575.9	1577.5	1578.2	1581.4	1580.6	1582.1	1582.1	1582.9	1584.5
5°	1546.3	1545.5	1546.3	1546.3	1549.4	1552.5	1551.8	1554.1	1555.7	1559.6	1561.1
7.5°	1516.7	1516.7	1515.9	1519.1	1520.6	1525.3	1524.5	1528.4	1530.8	1534.6	1540.1
10°	1486.4	1486.4	1487.1	1489.5	1490.3	1497.3	1497.3	1502.7	1505.8	1509.7	1516.7
12.5°	1456.8	1456.8	1461.5	1459.9	1463.0	1468.5	1470.8	1476.2	1480.9	1488.7	1495.7
15°	1428.7	1428.7	1430.3	1434.2	1436.5	1443.5	1447.4	1453.7	1459.1	1466.9	1477.0
17.5°	1404.6	1403.8	1404.6	1409.3	1414.0	1420.2	1423.3	1431.1	1436.5	1446.7	1456.0
20°	1380.5	1382.0	1382.0	1385.9	1389.0	1396.8	1399.9	1408.5	1414.7	1424.1	1435.0
22.5°	1359.5	1358.7	1358.7	1364.1	1366.5	1373.5	1376.6	1384.4	1391.4	1399.2	1409.3
25°	1338.4	1336.9	1340.0	1340.8	1342.3	1350.1	1352.4	1357.9	1364.9	1371.9	1382.0
27.5°	1307.3	1305.7	1306.5	1309.6	1312.0	1318.2	1319.7	1325.2	1330.6	1336.9	1345.4
30°	1247.3	1245.8	1245.0	1250.5	1252.8	1257.4	1259.8	1269.1	1270.7	1277.7	1283.9
32.5°	1167.9	1167.1	1168.7	1173.4	1175.7	1181.9	1185.0	1190.5	1194.4	1198.3	1204.5
35°	1079.2	1077.6	1079.2	1083.8	1083.8	1089.3	1091.6	1093.9	1093.2	1093.9	1092.4
37.5°	996.6	995.8	996.6	998.9	996.6	998.9	996.6	992.0	983.4	974.0	964.7
40°	926.5	927.3	922.7	925.8	917.2	915.7	907.1	895.4	878.3	859.6	833.1
42.5°	851.8	849.5	846.4	847.9	840.9	835.4	821.4	806.7	784.8	753.7	721.8
45°	759.9	759.2	757.6	756.8	752.1	746.7	735.0	717.9	693.7	661.8	623.7
47.5°	670.4	668.0	668.0	668.8	663.4	662.6	653.2	638.5	617.4	586.3	546.6
50°	584.7	584.0	585.5	588.6	584.7	583.2	577.0	566.8	548.2	521.7	484.3
52.5°	507.6	506.9	508.4	512.3	510.8	512.3	506.1	498.3	485.9	460.1	427.5
55°	432.1	432.1	432.1	436.8	436.8	436.8	433.7	429.0	417.3	398.6	368.3
57.5°	353.5	354.3	358.9	359.7	358.9	360.5	359.7	355.0	347.3	334.0	310.7
60°	287.3	287.3	289.7	292.0	291.2	292.0	292.0	289.7	281.9	271.0	252.3
62.5°	227.4	229.7	228.1	229.7	232.8	229.7	228.1	226.6	221.1	214.1	198.5
65°	172.1	173.6	173.6	174.4	172.8	173.6	170.5	168.2	165.1	157.3	147.2
67.5°	130.8	130.8	130.8	130.8	130.0	129.3	128.5	126.1	120.7	117.6	106.7
70°	100.4	95.8	95.8	95.8	95.8	96.6	94.2	91.1	89.5	84.1	76.3
72.5°	66.9	68.5	66.9	66.9	65.4	66.2	63.1	61.5	60.0	56.9	52.2
75°	48.3	44.4	45.9	46.7	44.4	45.9	42.8	39.7	39.7	37.4	35.0
77.5°	31.2	30.4	31.2	31.9	31.2	30.4	28.8	27.2	27.2	26.5	24.1
80°	22.6	21.8	21.8	21.8	21.0	21.8	20.3	20.3	18.7	17.9	16.3
82.5°	14.8	14.8	14.0	14.8	14.0	14.8	12.5	12.5	12.5	11.7	10.1
85°	10.1	8.6	8.6	9.4	7.8	9.4	8.6	7.8	7.0	7.0	6.2
87.5°	4.7	5.4	4.7	5.4	4.7	4.7	5.4	4.7	4.7	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°	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6
2.5°	1586.8	1587.6	1587.6	1590.7	1592.3	1593.0	1593.0	1599.3	1596.9	1598.5	1600.0
5°	1564.2	1568.9	1570.5	1570.5	1579.0	1582.1	1585.2	1592.3	1593.0	1597.7	1603.2
7.5°	1542.4	1547.9	1551.0	1558.0	1563.4	1568.9	1578.2	1582.9	1587.6	1593.8	1600.8
10°	1521.4	1527.6	1533.9	1539.3	1547.9	1554.9	1561.1	1572.0	1577.5	1586.0	1595.4
12.5°	1501.2	1509.7	1515.2	1524.5	1533.9	1540.1	1549.4	1559.6	1568.1	1576.7	1587.6
15°	1483.3	1493.4	1499.6	1509.7	1519.9	1528.4	1538.5	1551.0	1557.2	1567.4	1577.5
17.5°	1463.8	1474.7	1482.5	1491.8	1504.3	1513.6	1522.2	1534.6	1542.4	1553.3	1565.0
20°	1443.5	1454.4	1463.8	1473.1	1485.6	1494.9	1505.1	1517.5	1526.1	1537.0	1546.3
22.5°	1419.4	1429.5	1439.6	1450.5	1463.0	1470.8	1482.5	1493.4	1502.7	1512.8	1522.2
25°	1388.3	1400.7	1408.5	1418.6	1428.7	1437.3	1449.8	1460.7	1468.5	1477.8	1486.4
27.5°	1351.7	1361.0	1367.2	1375.8	1385.9	1393.7	1403.0	1414.0	1421.8	1430.3	1436.5
30°	1289.4	1298.0	1303.4	1309.6	1319.7	1326.8	1334.6	1344.6	1350.1	1356.3	1361.8
32.5°	1207.6	1214.6	1217.7	1222.4	1229.4	1236.4	1242.7	1251.2	1253.6	1257.4	1257.4
35°	1089.3	1090.8	1090.1	1091.6	1094.7	1098.6	1104.1	1109.5	1112.6	1112.6	1110.3
37.5°	950.7	941.4	931.2	923.4	921.1	919.5	922.7	925.0	928.1	929.7	925.8
40°	806.7	785.6	763.0	742.8	728.8	722.6	720.2	721.8	721.8	727.2	727.2
42.5°	682.9	650.1	616.7	586.3	566.0	550.5	543.5	543.5	544.2	548.2	550.5
45°	580.1	538.8	499.9	466.4	438.4	418.1	408.8	406.4	405.7	407.2	412.7
47.5°	501.4	458.6	418.1	376.9	347.3	327.0	318.5	315.3	312.2	315.3	316.1
50°	439.9	395.5	352.7	311.4	280.3	262.4	251.5	246.8	246.0	246.0	247.6
52.5°	383.8	342.6	299.8	257.7	225.0	207.9	197.8	195.4	192.3	195.4	195.4
55°	330.9	289.7	247.6	207.9	180.6	162.7	153.4	150.3	148.7	151.0	151.0
57.5°	273.3	238.2	199.3	163.5	136.3	123.8	116.8	112.9	112.1	113.7	112.1
60°	224.2	194.7	161.2	128.5	107.5	94.2	88.8	87.2	85.6	87.2	87.2
62.5°	177.5	152.6	125.3	100.4	82.5	73.2	66.9	66.9	66.2	66.2	66.9
65°	131.6	112.1	92.7	71.6	57.6	50.6	45.9	45.9	45.2	45.9	45.2
67.5°	95.8	82.5	66.9	52.2	41.3	37.4	34.3	31.9	33.5	31.9	31.2
70°	70.1	59.2	48.3	39.7	31.9	28.0	25.7	24.9	23.4	23.4	23.4
72.5°	46.7	39.7	32.7	25.7	21.0	17.1	16.3	14.8	13.2	14.0	15.6
75°	31.2	26.5	23.4	18.7	14.0	14.0	9.4	9.4	7.8	9.4	7.0
77.5°	21.8	17.9	14.0	11.7	9.4	8.6	6.2	6.2	5.4	5.4	5.4
80°	15.6	13.2	10.1	8.6	6.2	6.2	5.4	4.7	3.9	3.9	4.7
82.5°	9.4	7.0	7.0	6.2	3.9	3.1	2.3	3.1	1.6	1.6	1.6
85°	5.4	4.7	3.9	2.3	1.6	1.6	0.8	0.0	0.8	0.8	0.0
87.5°	3.1	1.6	1.6	0.8	0.0	0.8	0.8	0.0	0.0	0.0	1.6
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°	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6
2.5°	1604.0	1603.2	1604.7	1604.7	1609.4	1608.6	1610.9	1610.9	1609.4	1610.2	1613.3
5°	1609.4	1611.7	1616.4	1620.3	1627.3	1630.4	1634.3	1638.2	1639.0	1641.3	1643.7
7.5°	1609.4	1617.2	1622.6	1629.6	1639.0	1644.4	1653.0	1660.0	1663.1	1667.0	1671.7
10°	1606.3	1614.0	1624.2	1632.0	1643.7	1652.2	1660.8	1671.7	1676.3	1682.6	1688.8
12.5°	1600.0	1608.6	1619.5	1629.6	1642.9	1650.6	1661.5	1671.7	1678.7	1687.2	1694.3
15°	1590.7	1600.8	1610.9	1621.1	1635.1	1644.4	1654.6	1666.2	1673.2	1682.6	1688.8
17.5°	1575.9	1586.8	1596.2	1605.5	1618.7	1629.6	1639.0	1649.9	1656.9	1664.7	1673.2
20°	1558.0	1568.1	1578.2	1586.0	1599.3	1608.6	1618.7	1628.9	1634.3	1635.9	1649.1
22.5°	1535.4	1542.4	1550.2	1562.7	1570.5	1579.0	1588.4	1597.7	1603.2	1611.7	1616.4
25°	1498.0	1505.1	1513.6	1519.1	1528.4	1535.4	1544.8	1554.9	1558.0	1564.2	1568.9
27.5°	1445.9	1449.8	1453.7	1458.3	1463.8	1467.7	1473.1	1477.8	1480.9	1484.0	1487.1
30°	1363.3	1363.3	1363.3	1360.2	1362.6	1364.9	1365.7	1364.9	1364.9	1364.1	1364.1
32.5°	1254.3	1248.1	1241.1	1234.9	1232.5	1229.4	1227.9	1225.5	1221.6	1219.3	1220.1
35°	1107.2	1093.2	1084.6	1076.8	1070.6	1065.9	1063.6	1061.2	1060.5	1057.4	1054.2
37.5°	923.4	913.3	907.1	902.4	897.0	892.3	893.1	893.9	896.2	894.6	895.4
40°	728.8	726.4	728.8	723.3	721.8	723.3	727.2	732.7	735.8	738.9	744.4
42.5°	554.4	558.2	563.7	563.7	566.0	569.2	573.8	582.4	587.1	592.5	598.8
45°	417.3	422.0	429.0	431.3	432.9	436.8	442.3	449.3	452.4	457.0	462.5
47.5°	321.6	324.7	328.6	332.5	336.3	337.9	343.4	343.4	347.3	350.4	351.9
50°	250.7	253.8	256.9	259.3	260.8	263.2	264.7	267.1	267.8	269.4	270.2
52.5°	196.2	200.1	200.1	201.6	204.0	206.3	205.6	206.3	207.1	207.1	209.4
55°	153.4	153.4	155.7	155.7	157.3	156.5	157.3	157.3	157.3	157.3	158.1
57.5°	114.4	115.2	117.6	116.0	115.2	116.8	115.2	116.8	116.0	117.6	115.2
60°	88.0	88.0	88.8	88.8	89.5	89.5	89.5	88.8	88.8	88.0	88.0
62.5°	66.2	66.9	67.8	66.9	66.9	66.9	66.2	66.2	65.4	64.6	64.6
65°	44.4	43.6	45.2	43.6	44.4	44.4	43.6	44.4	42.0	42.8	42.0
67.5°	31.9	31.2	30.4	31.2	30.4	29.6	29.6	30.4	31.2	28.8	28.8
70°	21.0	21.8	21.0	21.8	22.6	22.6	21.8	21.0	21.8	20.3	21.0
72.5°	13.2	13.2	13.2	13.2	13.2	14.0	14.0	14.0	12.5	12.5	11.7
75°	6.2	8.6	7.0	6.2	8.6	8.6	7.8	7.8	7.0	7.0	7.0
77.5°	6.2	4.7	4.7	4.7	4.7	4.7	4.7	4.7	3.9	4.7	3.9
80°	3.1	3.1	3.1	2.3	3.1	3.1	3.9	3.1	3.1	2.3	3.9
82.5°	1.6	1.6	1.6	0.0	0.8	1.6	1.6	0.8	1.6	1.6	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: P245817

CATALOG NUMBER: LD8B30D010 ER8B30827 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6
2.5°	1612.5	1611.7	1612.5	1613.3	1612.5	1611.7	1612.5	1613.3	1610.2	1609.4	1610.9
5°	1646.8	1646.8	1648.3	1649.1	1648.3	1646.8	1646.8	1643.7	1641.3	1639.0	1638.2
7.5°	1676.3	1677.9	1679.5	1680.2	1679.5	1677.9	1676.3	1671.7	1667.0	1663.1	1660.0
10°	1694.3	1696.6	1699.7	1701.2	1699.7	1696.6	1694.3	1688.8	1682.6	1676.3	1671.7
12.5°	1702.1	1704.4	1708.3	1707.5	1708.3	1704.4	1702.1	1694.3	1687.2	1678.7	1671.7
15°	1696.6	1699.7	1703.6	1705.2	1703.6	1699.7	1696.6	1688.8	1682.6	1673.2	1666.2
17.5°	1679.5	1684.1	1686.5	1688.8	1686.5	1684.1	1679.5	1673.2	1664.7	1656.9	1649.9
20°	1656.1	1659.2	1662.3	1663.1	1662.3	1659.2	1656.1	1649.1	1635.9	1634.3	1628.9
22.5°	1622.6	1625.0	1632.0	1629.6	1632.0	1625.0	1622.6	1616.4	1611.7	1603.2	1597.7
25°	1574.3	1576.7	1577.5	1578.2	1577.5	1576.7	1574.3	1568.9	1564.2	1558.0	1554.9
27.5°	1491.0	1491.0	1492.6	1493.4	1492.6	1491.0	1491.0	1487.1	1484.0	1480.9	1477.8
30°	1364.9	1364.9	1364.9	1368.8	1364.9	1364.9	1364.9	1364.1	1364.1	1364.9	1364.9
32.5°	1219.3	1217.7	1216.2	1217.7	1216.2	1217.7	1219.3	1220.1	1219.3	1221.6	1225.5
35°	1054.2	1053.5	1055.8	1052.7	1055.8	1053.5	1054.2	1054.2	1057.4	1060.5	1061.2
37.5°	896.2	894.6	897.7	894.6	897.7	894.6	896.2	895.4	894.6	896.2	893.9
40°	745.9	747.5	747.5	753.7	747.5	747.5	745.9	744.4	738.9	735.8	732.7
42.5°	601.9	606.5	605.0	609.7	605.0	606.5	601.9	598.8	592.5	587.1	582.4
45°	465.6	468.7	468.7	470.3	468.7	468.7	465.6	462.5	457.0	452.4	449.3
47.5°	357.4	357.4	357.4	358.2	357.4	357.4	357.4	351.9	350.4	347.3	343.4
50°	271.7	272.5	273.3	274.1	273.3	272.5	271.7	270.2	269.4	267.8	267.1
52.5°	208.7	209.4	207.9	209.4	207.9	209.4	208.7	209.4	207.1	207.1	206.3
55°	158.1	157.3	158.1	158.8	158.1	157.3	158.1	158.1	157.3	157.3	157.3
57.5°	116.0	114.4	114.4	114.4	114.4	114.4	116.0	115.2	117.6	116.0	116.8
60°	86.4	87.2	87.2	88.0	87.2	87.2	86.4	88.0	88.0	88.8	88.8
62.5°	63.8	66.2	64.6	66.2	64.6	66.2	63.8	64.6	64.6	65.4	66.2
65°	41.3	41.3	41.3	42.0	41.3	41.3	41.3	42.0	42.8	42.0	44.4
67.5°	28.0	28.8	30.4	29.6	30.4	28.8	28.0	28.8	28.8	31.2	30.4
70°	22.6	20.3	20.3	22.6	20.3	20.3	22.6	21.0	20.3	21.8	21.0
72.5°	13.2	11.7	13.2	13.2	13.2	11.7	13.2	11.7	12.5	12.5	14.0
75°	7.0	6.2	5.4	7.8	5.4	6.2	7.0	7.0	7.0	7.0	7.8
77.5°	4.7	3.9	5.4	5.4	5.4	3.9	4.7	3.9	4.7	3.9	4.7
80°	2.3	3.1	2.3	3.9	2.3	3.1	2.3	3.9	2.3	3.1	3.1
82.5°	0.8	1.6	1.6	1.6	1.6	1.6	0.8	0.8	1.6	1.6	0.8
85°	0.0	1.6	0.8	0.8	0.8	1.6	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: P245817

CATALOG NUMBER: LD8B30D010 ER8B30827 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6
2.5°	1610.9	1608.6	1609.4	1604.7	1604.7	1603.2	1604.0	1600.0	1598.5	1596.9	1599.3
5°	1634.3	1630.4	1627.3	1620.3	1616.4	1611.7	1609.4	1603.2	1597.7	1593.0	1592.3
7.5°	1653.0	1644.4	1639.0	1629.6	1622.6	1617.2	1609.4	1600.8	1593.8	1587.6	1582.9
10°	1660.8	1652.2	1643.7	1632.0	1624.2	1614.0	1606.3	1595.4	1586.0	1577.5	1572.0
12.5°	1661.5	1650.6	1642.9	1629.6	1619.5	1608.6	1600.0	1587.6	1576.7	1568.1	1559.6
15°	1654.6	1644.4	1635.1	1621.1	1610.9	1600.8	1590.7	1577.5	1567.4	1557.2	1551.0
17.5°	1639.0	1629.6	1618.7	1605.5	1596.2	1586.8	1575.9	1565.0	1553.3	1542.4	1534.6
20°	1618.7	1608.6	1599.3	1586.0	1578.2	1568.1	1558.0	1546.3	1537.0	1526.1	1517.5
22.5°	1588.4	1579.0	1570.5	1562.7	1550.2	1542.4	1535.4	1522.2	1512.8	1502.7	1493.4
25°	1544.8	1535.4	1528.4	1519.1	1513.6	1505.1	1498.0	1486.4	1477.8	1468.5	1460.7
27.5°	1473.1	1467.7	1463.8	1458.3	1453.7	1449.8	1445.9	1436.5	1430.3	1421.8	1414.0
30°	1365.7	1364.9	1362.6	1360.2	1363.3	1363.3	1363.3	1361.8	1356.3	1350.1	1344.6
32.5°	1227.9	1229.4	1232.5	1234.9	1241.1	1248.1	1254.3	1257.4	1257.4	1253.6	1251.2
35°	1063.6	1065.9	1070.6	1076.8	1084.6	1093.2	1107.2	1110.3	1112.6	1112.6	1109.5
37.5°	893.1	892.3	897.0	902.4	907.1	913.3	923.4	925.8	929.7	928.1	925.0
40°	727.2	723.3	721.8	723.3	728.8	726.4	728.8	727.2	727.2	721.8	721.8
42.5°	573.8	569.2	566.0	563.7	563.7	558.2	554.4	550.5	548.2	544.2	543.5
45°	442.3	436.8	432.9	431.3	429.0	422.0	417.3	412.7	407.2	405.7	406.4
47.5°	343.4	337.9	336.3	332.5	328.6	324.7	321.6	316.1	315.3	312.2	315.3
50°	264.7	263.2	260.8	259.3	256.9	253.8	250.7	247.6	246.0	246.0	246.8
52.5°	205.6	206.3	204.0	201.6	200.1	200.1	196.2	195.4	195.4	192.3	195.4
55°	157.3	156.5	157.3	155.7	155.7	153.4	153.4	151.0	151.0	148.7	150.3
57.5°	115.2	116.8	115.2	116.0	117.6	115.2	114.4	112.1	113.7	112.1	112.9
60°	89.5	89.5	89.5	88.8	88.8	88.0	88.0	87.2	87.2	85.6	87.2
62.5°	66.2	66.9	66.9	66.9	67.8	66.9	66.2	66.9	66.2	66.2	66.9
65°	43.6	44.4	44.4	43.6	45.2	43.6	44.4	45.2	45.9	45.2	45.9
67.5°	29.6	29.6	30.4	31.2	30.4	31.2	31.9	31.2	31.9	33.5	31.9
70°	21.8	22.6	22.6	21.8	21.0	21.8	21.0	23.4	23.4	23.4	24.9
72.5°	14.0	14.0	13.2	13.2	13.2	13.2	13.2	15.6	14.0	13.2	14.8
75°	7.8	8.6	8.6	6.2	7.0	8.6	6.2	7.0	9.4	7.8	9.4
77.5°	4.7	4.7	4.7	4.7	4.7	4.7	6.2	5.4	5.4	5.4	6.2
80°	3.9	3.1	3.1	2.3	3.1	3.1	3.1	4.7	3.9	3.9	4.7
82.5°	1.6	1.6	0.8	0.0	1.6	1.6	1.6	1.6	1.6	1.6	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	1.6	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: P245817

CATALOG NUMBER: LD8B30D010 ER8B30827 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6
2.5°	1593.0	1593.0	1592.3	1590.7	1587.6	1587.6	1586.8	1584.5	1582.9	1582.1	1582.1
5°	1585.2	1582.1	1579.0	1570.5	1570.5	1568.9	1564.2	1561.1	1559.6	1555.7	1554.1
7.5°	1578.2	1568.9	1563.4	1558.0	1551.0	1547.9	1542.4	1540.1	1534.6	1530.8	1528.4
10°	1561.1	1554.9	1547.9	1539.3	1533.9	1527.6	1521.4	1516.7	1509.7	1505.8	1502.7
12.5°	1549.4	1540.1	1533.9	1524.5	1515.2	1509.7	1501.2	1495.7	1488.7	1480.9	1476.2
15°	1538.5	1528.4	1519.9	1509.7	1499.6	1493.4	1483.3	1477.0	1466.9	1459.1	1453.7
17.5°	1522.2	1513.6	1504.3	1491.8	1482.5	1474.7	1463.8	1456.0	1446.7	1436.5	1431.1
20°	1505.1	1494.9	1485.6	1473.1	1463.8	1454.4	1443.5	1435.0	1424.1	1414.7	1408.5
22.5°	1482.5	1470.8	1463.0	1450.5	1439.6	1429.5	1419.4	1409.3	1399.2	1391.4	1384.4
25°	1449.8	1437.3	1428.7	1418.6	1408.5	1400.7	1388.3	1382.0	1371.9	1364.9	1357.9
27.5°	1403.0	1393.7	1385.9	1375.8	1367.2	1361.0	1351.7	1345.4	1336.9	1330.6	1325.2
30°	1334.6	1326.8	1319.7	1309.6	1303.4	1298.0	1289.4	1283.9	1277.7	1270.7	1269.1
32.5°	1242.7	1236.4	1229.4	1222.4	1217.7	1214.6	1207.6	1204.5	1198.3	1194.4	1190.5
35°	1104.1	1098.6	1094.7	1091.6	1090.1	1090.8	1089.3	1092.4	1093.9	1093.2	1093.9
37.5°	922.7	919.5	921.1	923.4	931.2	941.4	950.7	964.7	974.0	983.4	992.0
40°	720.2	722.6	728.8	742.8	763.0	785.6	806.7	833.1	859.6	878.3	895.4
42.5°	543.5	550.5	566.0	586.3	616.7	650.1	682.9	721.8	753.7	784.8	806.7
45°	408.8	418.1	438.4	466.4	499.9	538.8	580.1	623.7	661.8	693.7	717.9
47.5°	318.5	327.0	347.3	376.9	418.1	458.6	501.4	546.6	586.3	617.4	638.5
50°	251.5	262.4	280.3	311.4	352.7	395.5	439.9	484.3	521.7	548.2	566.8
52.5°	197.8	207.9	225.0	257.7	299.8	342.6	383.8	427.5	460.1	485.9	498.3
55°	153.4	162.7	180.6	207.9	247.6	289.7	330.9	368.3	398.6	417.3	429.0
57.5°	116.8	123.8	136.3	163.5	199.3	238.2	273.3	310.7	334.0	347.3	355.0
60°	88.8	94.2	107.5	128.5	161.2	194.7	224.2	252.3	271.0	281.9	289.7
62.5°	66.9	73.2	82.5	100.4	125.3	152.6	177.5	198.5	214.1	221.1	226.6
65°	45.9	50.6	57.6	71.6	92.7	112.1	131.6	147.2	157.3	165.1	168.2
67.5°	34.3	37.4	41.3	52.2	66.9	82.5	95.8	106.7	117.6	120.7	126.1
70°	25.7	28.0	31.9	39.7	48.3	59.2	70.1	76.3	84.1	89.5	91.1
72.5°	16.3	17.1	21.0	25.7	32.7	39.7	46.7	52.2	56.9	60.0	61.5
75°	9.4	14.0	14.0	18.7	23.4	26.5	31.2	35.0	37.4	39.7	39.7
77.5°	6.2	8.6	9.4	11.7	14.0	17.9	21.8	24.1	26.5	27.2	27.2
80°	5.4	6.2	6.2	8.6	10.1	13.2	15.6	16.3	17.9	18.7	20.3
82.5°	2.3	3.1	3.9	6.2	7.0	7.0	9.4	10.1	11.7	12.5	12.5
85°	0.8	1.6	1.6	2.3	3.9	4.7	5.4	6.2	7.0	7.0	7.8
87.5°	0.8	0.8	0.0	0.8	1.6	1.6	3.1	3.1	3.1	4.7	4.7
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: P245817

CATALOG NUMBER: LD8B30D010 ER8B30827 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6
2.5°	1580.6	1581.4	1578.2	1577.5	1575.9	1576.7	1578.2
5°	1551.8	1552.5	1549.4	1546.3	1546.3	1545.5	1546.3
7.5°	1524.5	1525.3	1520.6	1519.1	1515.9	1516.7	1516.7
10°	1497.3	1497.3	1490.3	1489.5	1487.1	1486.4	1486.4
12.5°	1470.8	1468.5	1463.0	1459.9	1461.5	1456.8	1456.8
15°	1447.4	1443.5	1436.5	1434.2	1430.3	1428.7	1428.7
17.5°	1423.3	1420.2	1414.0	1409.3	1404.6	1403.8	1404.6
20°	1399.9	1396.8	1389.0	1385.9	1382.0	1382.0	1380.5
22.5°	1376.6	1373.5	1366.5	1364.1	1358.7	1358.7	1359.5
25°	1352.4	1350.1	1342.3	1340.8	1340.0	1336.9	1338.4
27.5°	1319.7	1318.2	1312.0	1309.6	1306.5	1305.7	1307.3
30°	1259.8	1257.4	1252.8	1250.5	1245.0	1245.8	1247.3
32.5°	1185.0	1181.9	1175.7	1173.4	1168.7	1167.1	1167.9
35°	1091.6	1089.3	1083.8	1083.8	1079.2	1077.6	1079.2
37.5°	996.6	998.9	996.6	998.9	996.6	995.8	996.6
40°	907.1	915.7	917.2	925.8	922.7	927.3	926.5
42.5°	821.4	835.4	840.9	847.9	846.4	849.5	851.8
45°	735.0	746.7	752.1	756.8	757.6	759.2	759.9
47.5°	653.2	662.6	663.4	668.8	668.0	668.0	670.4
50°	577.0	583.2	584.7	588.6	585.5	584.0	584.7
52.5°	506.1	512.3	510.8	512.3	508.4	506.9	507.6
55°	433.7	436.8	436.8	436.8	432.1	432.1	432.1
57.5°	359.7	360.5	358.9	359.7	358.9	354.3	353.5
60°	292.0	292.0	291.2	292.0	289.7	287.3	287.3
62.5°	228.1	229.7	232.8	229.7	228.1	229.7	227.4
65°	170.5	173.6	172.8	174.4	173.6	173.6	172.1
67.5°	128.5	129.3	130.0	130.8	130.8	130.8	130.8
70°	94.2	96.6	95.8	95.8	95.8	95.8	100.4
72.5°	63.1	66.2	65.4	66.9	66.9	68.5	66.9
75°	42.8	45.9	44.4	46.7	45.9	44.4	48.3
77.5°	28.8	30.4	31.2	31.9	31.2	30.4	31.2
80°	20.3	21.8	21.0	21.8	21.8	21.8	22.6
82.5°	12.5	14.8	14.0	14.8	14.0	14.8	14.8
85°	8.6	9.4	7.8	9.4	8.6	8.6	10.1
87.5°	5.4	4.7	4.7	5.4	4.7	5.4	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)