

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: P246027

Luminaire Tested: **LD8B30D010 ER8B30930 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246027
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 ER8B30930 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2527.9 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

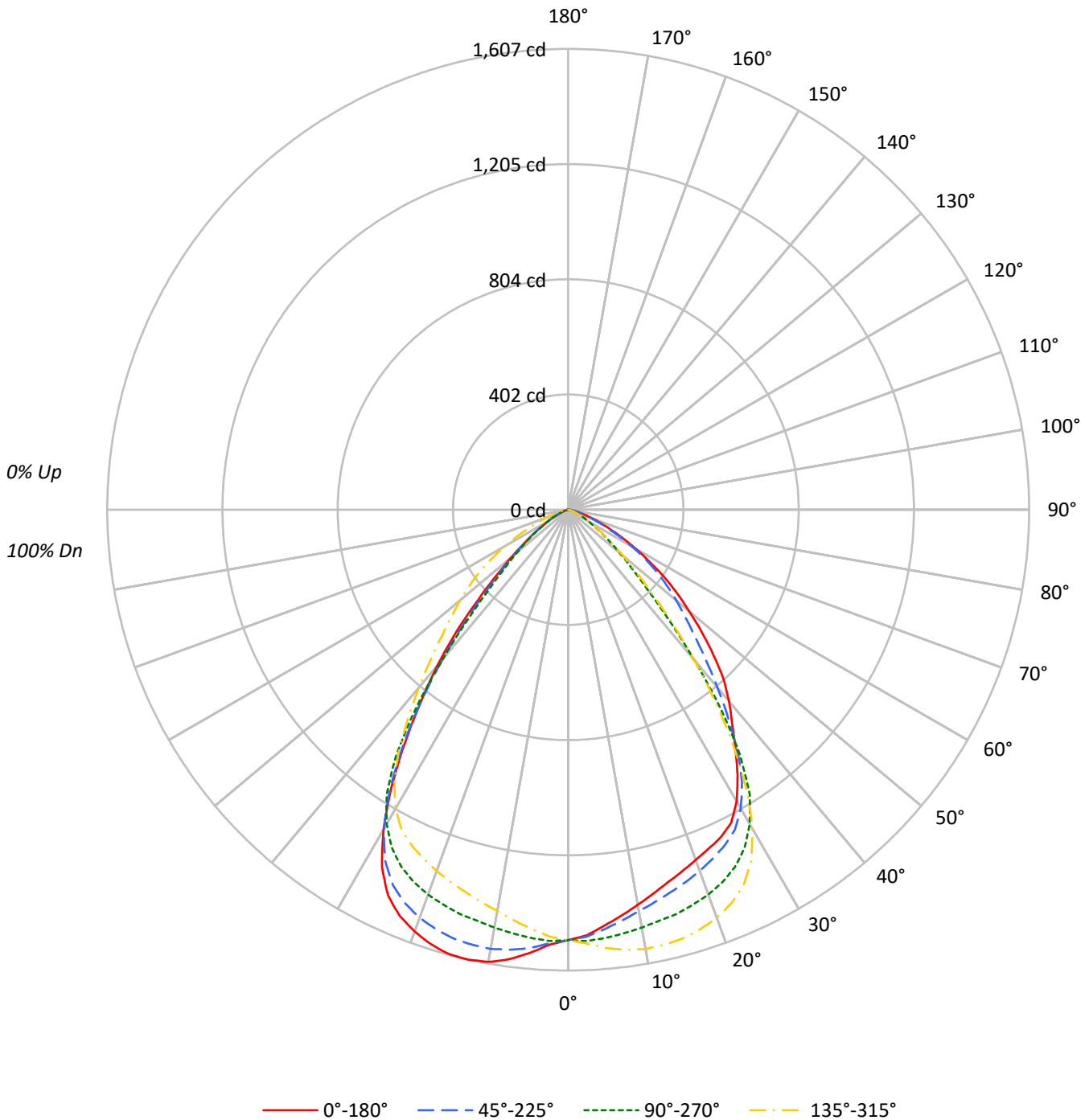
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	Luminaire represents a point source (luminous area is zero).			
5°	No luminance values can be calculated.			
10°				
15°				
20°				
25°				
30°				
35°				
40°				
45°				
50°				
55°				
60°				
65°				
70°				
75°				
80°				
85°				



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.8	5.7
10°-20°	413.6	16.4
20°-30°	626.3	24.8
30°-40°	627.7	24.8
40°-50°	394.2	15.6
50°-60°	210.1	8.3
60°-70°	86.4	3.4
70°-80°	22.8	0.9
80°-90°	3.9	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°	1182.8	46.8
0°-40°	1810.6	71.6
0°-60°	2414.8	95.5
0°-90°	2527.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2527.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1501	1501	1501	1501	1501	
5°	1455	1499	1552	1499	1455	137
15°	1345	1460	1605	1460	1345	380
25°	1260	1375	1485	1375	1260	578
35°	1016	1044	991	1044	1016	636
45°	715	382	443	382	715	550
55°	407	142	149	142	407	363
65°	162	43	40	43	162	168
75°	45	9	7	9	45	51
85°	10	0	1	0	10	10
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°	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7
2.5°	1485.3	1483.9	1483.1	1484.7	1485.3	1488.2	1487.6	1489.0	1489.0	1489.7	1491.2
5°	1455.3	1454.5	1455.3	1455.3	1458.2	1461.1	1460.4	1462.6	1464.0	1467.7	1469.2
7.5°	1427.5	1427.5	1426.7	1429.6	1431.1	1435.6	1434.8	1438.5	1440.6	1444.3	1449.5
10°	1398.9	1398.9	1399.6	1401.8	1402.5	1409.1	1409.1	1414.3	1417.2	1420.9	1427.5
12.5°	1371.0	1371.0	1375.5	1373.9	1376.8	1382.0	1384.2	1389.4	1393.7	1401.0	1407.6
15°	1344.6	1344.6	1346.1	1349.8	1351.9	1358.5	1362.2	1368.1	1373.2	1380.5	1390.0
17.5°	1321.9	1321.2	1321.9	1326.4	1330.7	1336.6	1339.5	1346.8	1351.9	1361.5	1370.3
20°	1299.2	1300.7	1300.7	1304.3	1307.2	1314.6	1317.5	1325.6	1331.4	1340.3	1350.5
22.5°	1279.4	1278.7	1278.7	1283.8	1286.0	1292.6	1295.5	1302.8	1309.4	1316.8	1326.4
25°	1259.7	1258.1	1261.1	1261.8	1263.3	1270.7	1272.8	1277.9	1284.6	1291.2	1300.7
27.5°	1230.3	1228.8	1229.6	1232.5	1234.7	1240.6	1242.1	1247.2	1252.3	1258.1	1266.3
30°	1173.9	1172.5	1171.7	1176.8	1179.1	1183.4	1185.6	1194.4	1195.9	1202.5	1208.3
32.5°	1099.1	1098.5	1099.9	1104.3	1106.4	1112.4	1115.3	1120.4	1124.0	1127.7	1133.6
35°	1015.6	1014.2	1015.6	1020.0	1020.0	1025.2	1027.4	1029.5	1028.9	1029.5	1028.1
37.5°	937.9	937.2	937.9	940.2	937.9	940.2	937.9	933.6	925.5	916.6	907.9
40°	872.0	872.7	868.3	871.2	863.2	861.7	853.6	842.7	826.6	809.0	784.0
42.5°	801.6	799.5	796.6	797.9	791.4	786.3	773.0	759.1	738.6	709.4	679.2
45°	715.2	714.4	713.0	712.3	707.9	702.8	691.8	675.6	652.9	622.8	587.0
47.5°	630.9	628.8	628.8	629.4	624.3	623.6	614.8	600.9	581.1	551.8	514.4
50°	550.3	549.5	551.1	554.0	550.3	548.8	543.0	533.5	515.9	491.0	455.8
52.5°	477.8	477.0	478.6	482.1	480.7	482.1	476.3	469.0	457.3	433.0	402.3
55°	406.7	406.7	406.7	411.1	411.1	411.1	408.2	403.8	392.8	375.2	346.6
57.5°	332.7	333.4	337.8	338.5	337.8	339.3	338.5	334.2	326.9	314.3	292.4
60°	270.4	270.4	272.6	274.8	274.1	274.8	274.8	272.6	265.2	255.0	237.4
62.5°	214.0	216.1	214.7	216.1	219.0	216.1	214.7	213.2	208.1	201.6	186.9
65°	162.0	163.4	163.4	164.1	162.7	163.4	160.5	158.3	155.4	148.1	138.6
67.5°	123.1	123.1	123.1	123.1	122.4	121.6	121.0	118.7	113.6	110.6	100.3
70°	94.5	90.1	90.1	90.1	90.1	90.9	88.7	85.8	84.3	79.1	71.9
72.5°	63.0	64.5	63.0	63.0	61.5	62.3	59.4	57.8	56.4	53.5	49.1
75°	45.4	41.8	43.3	43.9	41.8	43.3	40.2	37.3	37.3	35.2	33.0
77.5°	29.4	28.6	29.4	30.0	29.4	28.6	27.1	25.7	25.7	24.9	22.8
80°	21.3	20.5	20.5	20.5	19.8	20.5	19.1	19.1	17.6	16.8	15.4
82.5°	13.9	13.9	13.2	13.9	13.2	13.9	11.8	11.8	11.8	11.0	9.5
85°	9.5	8.1	8.1	8.9	7.3	8.9	8.1	7.3	6.6	6.6	5.8
87.5°	4.4	5.2	4.4	5.2	4.4	4.4	5.2	4.4	4.4	2.9	2.9
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°	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7
2.5°	1493.4	1494.1	1494.1	1497.1	1498.6	1499.2	1499.2	1505.2	1502.9	1504.4	1505.8
5°	1472.1	1476.5	1478.0	1478.0	1486.0	1489.0	1491.9	1498.6	1499.2	1503.6	1508.8
7.5°	1451.6	1456.7	1459.7	1466.3	1471.4	1476.5	1485.3	1489.7	1494.1	1500.0	1506.5
10°	1431.9	1437.7	1443.5	1448.7	1456.7	1463.4	1469.2	1479.5	1484.7	1492.6	1501.5
12.5°	1412.8	1420.9	1425.9	1434.8	1443.5	1449.5	1458.2	1467.7	1475.8	1483.9	1494.1
15°	1396.0	1405.5	1411.3	1420.9	1430.4	1438.5	1448.0	1459.7	1465.5	1475.1	1484.7
17.5°	1377.6	1387.9	1395.2	1403.9	1415.7	1424.5	1432.5	1444.3	1451.6	1461.9	1472.9
20°	1358.5	1368.9	1377.6	1386.3	1398.1	1406.9	1416.4	1428.2	1436.2	1446.4	1455.3
22.5°	1335.9	1345.4	1354.8	1365.2	1376.8	1384.2	1395.2	1405.5	1414.3	1423.8	1432.5
25°	1306.5	1318.3	1325.6	1335.1	1344.6	1352.7	1364.4	1374.7	1382.0	1390.8	1398.9
27.5°	1272.1	1280.9	1286.8	1294.8	1304.3	1311.7	1320.4	1330.7	1338.0	1346.1	1351.9
30°	1213.5	1221.6	1226.7	1232.5	1242.1	1248.7	1256.0	1265.5	1270.7	1276.5	1281.6
32.5°	1136.5	1143.1	1146.0	1150.5	1157.1	1163.6	1169.5	1177.6	1179.7	1183.4	1183.4
35°	1025.2	1026.6	1025.8	1027.4	1030.3	1033.9	1039.1	1044.2	1047.1	1047.1	1044.9
37.5°	894.7	885.9	876.4	869.1	866.9	865.4	868.3	870.6	873.5	874.9	871.2
40°	759.1	739.4	718.1	699.1	685.8	680.0	677.9	679.2	679.2	684.4	684.4
42.5°	642.7	611.8	580.3	551.8	532.7	518.1	511.5	511.5	512.2	515.9	518.1
45°	545.9	507.0	470.4	439.0	412.5	393.5	384.7	382.5	381.8	383.3	388.3
47.5°	471.9	431.6	393.5	354.7	326.9	307.7	299.8	296.7	293.8	296.7	297.5
50°	414.0	372.3	331.9	293.1	263.8	247.0	236.6	232.3	231.6	231.6	233.1
52.5°	361.3	322.4	282.2	242.6	211.8	195.6	186.1	184.0	181.0	184.0	184.0
55°	311.4	272.6	233.1	195.6	169.9	153.1	144.4	141.5	139.9	142.1	142.1
57.5°	257.3	224.2	187.7	153.9	128.2	116.5	109.9	106.3	105.5	106.9	105.5
60°	211.1	183.2	151.7	121.0	101.1	88.7	83.5	82.1	80.6	82.1	82.1
62.5°	167.0	143.6	117.9	94.5	77.7	68.9	63.0	63.0	62.3	62.3	63.0
65°	123.9	105.5	87.2	67.4	54.3	47.6	43.3	43.3	42.5	43.3	42.5
67.5°	90.1	77.7	63.0	49.1	38.9	35.2	32.3	30.0	31.5	30.0	29.4
70°	65.9	55.7	45.4	37.3	30.0	26.3	24.2	23.4	22.0	22.0	22.0
72.5°	43.9	37.3	30.7	24.2	19.8	16.1	15.4	13.9	12.4	13.2	14.7
75°	29.4	24.9	22.0	17.6	13.2	13.2	8.9	8.9	7.3	8.9	6.6
77.5°	20.5	16.8	13.2	11.0	8.9	8.1	5.8	5.8	5.2	5.2	5.2
80°	14.7	12.4	9.5	8.1	5.8	5.8	5.2	4.4	3.7	3.7	4.4
82.5°	8.9	6.6	6.6	5.8	3.7	2.9	2.2	2.9	1.5	1.5	1.5
85°	5.2	4.4	3.7	2.2	1.5	1.5	0.7	0.0	0.7	0.7	0.0
87.5°	2.9	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°	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7
2.5°	1509.5	1508.8	1510.2	1510.2	1514.7	1513.9	1516.0	1516.0	1514.7	1515.4	1518.3
5°	1514.7	1516.8	1521.2	1524.9	1531.5	1534.4	1538.1	1541.7	1542.5	1544.7	1546.9
7.5°	1514.7	1522.0	1527.1	1533.6	1542.5	1547.7	1555.6	1562.2	1565.1	1568.8	1573.2
10°	1511.7	1519.1	1528.6	1535.9	1546.9	1554.9	1563.0	1573.2	1577.7	1583.5	1589.4
12.5°	1505.8	1513.9	1524.1	1533.6	1546.1	1553.5	1563.7	1573.2	1579.8	1587.9	1594.5
15°	1497.1	1506.5	1516.0	1525.6	1538.8	1547.7	1557.2	1568.2	1574.7	1583.5	1589.4
17.5°	1483.1	1493.4	1502.1	1511.0	1523.4	1533.6	1542.5	1552.7	1559.3	1566.7	1574.7
20°	1466.3	1475.8	1485.3	1492.6	1505.2	1513.9	1523.4	1533.0	1538.1	1539.6	1552.0
22.5°	1445.1	1451.6	1459.0	1470.6	1478.0	1486.0	1494.9	1503.6	1508.8	1516.8	1521.2
25°	1409.9	1416.4	1424.5	1429.6	1438.5	1445.1	1453.8	1463.4	1466.3	1472.1	1476.5
27.5°	1360.8	1364.4	1368.1	1372.4	1377.6	1381.3	1386.3	1390.8	1393.7	1396.7	1399.6
30°	1283.1	1283.1	1283.1	1280.2	1282.3	1284.6	1285.2	1284.6	1284.6	1283.8	1283.8
32.5°	1180.5	1174.6	1168.1	1162.1	1160.0	1157.1	1155.5	1153.4	1149.7	1147.6	1148.2
35°	1042.0	1028.9	1020.8	1013.4	1007.6	1003.2	1000.9	998.8	998.0	995.1	992.2
37.5°	869.1	859.6	853.6	849.3	844.1	839.7	840.5	841.2	843.4	842.0	842.7
40°	685.8	683.7	685.8	680.8	679.2	680.8	684.4	689.5	692.4	695.4	700.5
42.5°	521.7	525.4	530.6	530.6	532.7	535.6	540.0	548.2	552.5	557.6	563.5
45°	392.8	397.2	403.8	405.9	407.4	411.1	416.2	422.8	425.8	430.1	435.3
47.5°	302.7	305.6	309.2	312.9	316.6	318.0	323.2	323.2	326.9	329.8	331.3
50°	236.0	238.9	241.8	244.0	245.5	247.6	249.1	251.3	252.1	253.6	254.2
52.5°	184.6	188.3	188.3	189.8	192.0	194.2	193.5	194.2	194.9	194.9	197.1
55°	144.4	144.4	146.5	146.5	148.1	147.3	148.1	148.1	148.1	148.1	148.8
57.5°	107.7	108.5	110.6	109.2	108.5	109.9	108.5	109.9	109.2	110.6	108.5
60°	82.8	82.8	83.5	83.5	84.3	84.3	84.3	83.5	83.5	82.8	82.8
62.5°	62.3	63.0	63.8	63.0	63.0	63.0	62.3	62.3	61.5	60.8	60.8
65°	41.8	41.0	42.5	41.0	41.8	41.8	41.0	41.8	39.6	40.2	39.6
67.5°	30.0	29.4	28.6	29.4	28.6	27.8	27.8	28.6	29.4	27.1	27.1
70°	19.8	20.5	19.8	20.5	21.3	21.3	20.5	19.8	20.5	19.1	19.8
72.5°	12.4	12.4	12.4	12.4	12.4	13.2	13.2	13.2	11.8	11.8	11.0
75°	5.8	8.1	6.6	5.8	8.1	8.1	7.3	7.3	6.6	6.6	6.6
77.5°	5.8	4.4	4.4	4.4	4.4	4.4	4.4	4.4	3.7	4.4	3.7
80°	2.9	2.9	2.9	2.2	2.9	2.9	3.7	2.9	2.9	2.2	3.7
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: P246027

CATALOG NUMBER: LD8B30D010 ER8B30930 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7
2.5°	1517.6	1516.8	1517.6	1518.3	1517.6	1516.8	1517.6	1518.3	1515.4	1514.7	1516.0
5°	1549.8	1549.8	1551.2	1552.0	1551.2	1549.8	1549.8	1546.9	1544.7	1542.5	1541.7
7.5°	1577.7	1579.2	1580.6	1581.3	1580.6	1579.2	1577.7	1573.2	1568.8	1565.1	1562.2
10°	1594.5	1596.8	1599.7	1601.1	1599.7	1596.8	1594.5	1589.4	1583.5	1577.7	1573.2
12.5°	1601.8	1604.0	1607.7	1607.0	1607.7	1604.0	1601.8	1594.5	1587.9	1579.8	1573.2
15°	1596.8	1599.7	1603.3	1604.7	1603.3	1599.7	1596.8	1589.4	1583.5	1574.7	1568.2
17.5°	1580.6	1585.0	1587.2	1589.4	1587.2	1585.0	1580.6	1574.7	1566.7	1559.3	1552.7
20°	1558.6	1561.6	1564.5	1565.1	1564.5	1561.6	1558.6	1552.0	1539.6	1538.1	1533.0
22.5°	1527.1	1529.3	1535.9	1533.6	1535.9	1529.3	1527.1	1521.2	1516.8	1508.8	1503.6
25°	1481.6	1483.9	1484.7	1485.3	1484.7	1483.9	1481.6	1476.5	1472.1	1466.3	1463.4
27.5°	1403.3	1403.3	1404.7	1405.5	1404.7	1403.3	1403.3	1399.6	1396.7	1393.7	1390.8
30°	1284.6	1284.6	1284.6	1288.3	1284.6	1284.6	1284.6	1283.8	1283.8	1284.6	1284.6
32.5°	1147.6	1146.0	1144.5	1146.0	1144.5	1146.0	1147.6	1148.2	1147.6	1149.7	1153.4
35°	992.2	991.4	993.7	990.7	993.7	991.4	992.2	992.2	995.1	998.0	998.8
37.5°	843.4	842.0	844.9	842.0	844.9	842.0	843.4	842.7	842.0	843.4	841.2
40°	702.0	703.4	703.4	709.4	703.4	703.4	702.0	700.5	695.4	692.4	689.5
42.5°	566.4	570.8	569.4	573.7	569.4	570.8	566.4	563.5	557.6	552.5	548.2
45°	438.2	441.1	441.1	442.6	441.1	441.1	438.2	435.3	430.1	425.8	422.8
47.5°	336.3	336.3	336.3	337.1	336.3	336.3	336.3	331.3	329.8	326.9	323.2
50°	255.7	256.5	257.3	257.9	257.3	256.5	255.7	254.2	253.6	252.1	251.3
52.5°	196.4	197.1	195.6	197.1	195.6	197.1	196.4	197.1	194.9	194.9	194.2
55°	148.8	148.1	148.8	149.4	148.8	148.1	148.8	148.8	148.1	148.1	148.1
57.5°	109.2	107.7	107.7	107.7	107.7	107.7	109.2	108.5	110.6	109.2	109.9
60°	81.4	82.1	82.1	82.8	82.1	82.1	81.4	82.8	82.8	83.5	83.5
62.5°	60.1	62.3	60.8	62.3	60.8	62.3	60.1	60.8	60.8	61.5	62.3
65°	38.9	38.9	38.9	39.6	38.9	38.9	38.9	39.6	40.2	39.6	41.8
67.5°	26.3	27.1	28.6	27.8	28.6	27.1	26.3	27.1	27.1	29.4	28.6
70°	21.3	19.1	19.1	21.3	19.1	19.1	21.3	19.8	19.1	20.5	19.8
72.5°	12.4	11.0	12.4	12.4	12.4	11.0	12.4	11.0	11.8	11.8	13.2
75°	6.6	5.8	5.2	7.3	5.2	5.8	6.6	6.6	6.6	6.6	7.3
77.5°	4.4	3.7	5.2	5.2	5.2	3.7	4.4	3.7	4.4	3.7	4.4
80°	2.2	2.9	2.2	3.7	2.2	2.9	2.2	3.7	2.2	2.9	2.9
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: P246027

CATALOG NUMBER: LD8B30D010 ER8B30930 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7
2.5°	1516.0	1513.9	1514.7	1510.2	1510.2	1508.8	1509.5	1505.8	1504.4	1502.9	1505.2
5°	1538.1	1534.4	1531.5	1524.9	1521.2	1516.8	1514.7	1508.8	1503.6	1499.2	1498.6
7.5°	1555.6	1547.7	1542.5	1533.6	1527.1	1522.0	1514.7	1506.5	1500.0	1494.1	1489.7
10°	1563.0	1554.9	1546.9	1535.9	1528.6	1519.1	1511.7	1501.5	1492.6	1484.7	1479.5
12.5°	1563.7	1553.5	1546.1	1533.6	1524.1	1513.9	1505.8	1494.1	1483.9	1475.8	1467.7
15°	1557.2	1547.7	1538.8	1525.6	1516.0	1506.5	1497.1	1484.7	1475.1	1465.5	1459.7
17.5°	1542.5	1533.6	1523.4	1511.0	1502.1	1493.4	1483.1	1472.9	1461.9	1451.6	1444.3
20°	1523.4	1513.9	1505.2	1492.6	1485.3	1475.8	1466.3	1455.3	1446.4	1436.2	1428.2
22.5°	1494.9	1486.0	1478.0	1470.6	1459.0	1451.6	1445.1	1432.5	1423.8	1414.3	1405.5
25°	1453.8	1445.1	1438.5	1429.6	1424.5	1416.4	1409.9	1398.9	1390.8	1382.0	1374.7
27.5°	1386.3	1381.3	1377.6	1372.4	1368.1	1364.4	1360.8	1351.9	1346.1	1338.0	1330.7
30°	1285.2	1284.6	1282.3	1280.2	1283.1	1283.1	1283.1	1281.6	1276.5	1270.7	1265.5
32.5°	1155.5	1157.1	1160.0	1162.1	1168.1	1174.6	1180.5	1183.4	1183.4	1179.7	1177.6
35°	1000.9	1003.2	1007.6	1013.4	1020.8	1028.9	1042.0	1044.9	1047.1	1047.1	1044.2
37.5°	840.5	839.7	844.1	849.3	853.6	859.6	869.1	871.2	874.9	873.5	870.6
40°	684.4	680.8	679.2	680.8	685.8	683.7	685.8	684.4	684.4	679.2	679.2
42.5°	540.0	535.6	532.7	530.6	530.6	525.4	521.7	518.1	515.9	512.2	511.5
45°	416.2	411.1	407.4	405.9	403.8	397.2	392.8	388.3	383.3	381.8	382.5
47.5°	323.2	318.0	316.6	312.9	309.2	305.6	302.7	297.5	296.7	293.8	296.7
50°	249.1	247.6	245.5	244.0	241.8	238.9	236.0	233.1	231.6	231.6	232.3
52.5°	193.5	194.2	192.0	189.8	188.3	188.3	184.6	184.0	184.0	181.0	184.0
55°	148.1	147.3	148.1	146.5	146.5	144.4	144.4	142.1	142.1	139.9	141.5
57.5°	108.5	109.9	108.5	109.2	110.6	108.5	107.7	105.5	106.9	105.5	106.3
60°	84.3	84.3	84.3	83.5	83.5	82.8	82.8	82.1	82.1	80.6	82.1
62.5°	62.3	63.0	63.0	63.0	63.8	63.0	62.3	63.0	62.3	62.3	63.0
65°	41.0	41.8	41.8	41.0	42.5	41.0	41.8	42.5	43.3	42.5	43.3
67.5°	27.8	27.8	28.6	29.4	28.6	29.4	30.0	29.4	30.0	31.5	30.0
70°	20.5	21.3	21.3	20.5	19.8	20.5	19.8	22.0	22.0	22.0	23.4
72.5°	13.2	13.2	12.4	12.4	12.4	12.4	12.4	14.7	13.2	12.4	13.9
75°	7.3	8.1	8.1	5.8	6.6	8.1	5.8	6.6	8.9	7.3	8.9
77.5°	4.4	4.4	4.4	4.4	4.4	4.4	5.8	5.2	5.2	5.2	5.8
80°	3.7	2.9	2.9	2.2	2.9	2.9	2.9	4.4	3.7	3.7	4.4
82.5°	1.5	1.5	0.7	0.0	1.5	1.5	1.5	1.5	1.5	1.5	2.9
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: P246027

CATALOG NUMBER: LD8B30D010 ER8B30930 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7
2.5°	1499.2	1499.2	1498.6	1497.1	1494.1	1494.1	1493.4	1491.2	1489.7	1489.0	1489.0
5°	1491.9	1489.0	1486.0	1478.0	1478.0	1476.5	1472.1	1469.2	1467.7	1464.0	1462.6
7.5°	1485.3	1476.5	1471.4	1466.3	1459.7	1456.7	1451.6	1449.5	1444.3	1440.6	1438.5
10°	1469.2	1463.4	1456.7	1448.7	1443.5	1437.7	1431.9	1427.5	1420.9	1417.2	1414.3
12.5°	1458.2	1449.5	1443.5	1434.8	1425.9	1420.9	1412.8	1407.6	1401.0	1393.7	1389.4
15°	1448.0	1438.5	1430.4	1420.9	1411.3	1405.5	1396.0	1390.0	1380.5	1373.2	1368.1
17.5°	1432.5	1424.5	1415.7	1403.9	1395.2	1387.9	1377.6	1370.3	1361.5	1351.9	1346.8
20°	1416.4	1406.9	1398.1	1386.3	1377.6	1368.9	1358.5	1350.5	1340.3	1331.4	1325.6
22.5°	1395.2	1384.2	1376.8	1365.2	1354.8	1345.4	1335.9	1326.4	1316.8	1309.4	1302.8
25°	1364.4	1352.7	1344.6	1335.1	1325.6	1318.3	1306.5	1300.7	1291.2	1284.6	1277.9
27.5°	1320.4	1311.7	1304.3	1294.8	1286.8	1280.9	1272.1	1266.3	1258.1	1252.3	1247.2
30°	1256.0	1248.7	1242.1	1232.5	1226.7	1221.6	1213.5	1208.3	1202.5	1195.9	1194.4
32.5°	1169.5	1163.6	1157.1	1150.5	1146.0	1143.1	1136.5	1133.6	1127.7	1124.0	1120.4
35°	1039.1	1033.9	1030.3	1027.4	1025.8	1026.6	1025.2	1028.1	1029.5	1028.9	1029.5
37.5°	868.3	865.4	866.9	869.1	876.4	885.9	894.7	907.9	916.6	925.5	933.6
40°	677.9	680.0	685.8	699.1	718.1	739.4	759.1	784.0	809.0	826.6	842.7
42.5°	511.5	518.1	532.7	551.8	580.3	611.8	642.7	679.2	709.4	738.6	759.1
45°	384.7	393.5	412.5	439.0	470.4	507.0	545.9	587.0	622.8	652.9	675.6
47.5°	299.8	307.7	326.9	354.7	393.5	431.6	471.9	514.4	551.8	581.1	600.9
50°	236.6	247.0	263.8	293.1	331.9	372.3	414.0	455.8	491.0	515.9	533.5
52.5°	186.1	195.6	211.8	242.6	282.2	322.4	361.3	402.3	433.0	457.3	469.0
55°	144.4	153.1	169.9	195.6	233.1	272.6	311.4	346.6	375.2	392.8	403.8
57.5°	109.9	116.5	128.2	153.9	187.7	224.2	257.3	292.4	314.3	326.9	334.2
60°	83.5	88.7	101.1	121.0	151.7	183.2	211.1	237.4	255.0	265.2	272.6
62.5°	63.0	68.9	77.7	94.5	117.9	143.6	167.0	186.9	201.6	208.1	213.2
65°	43.3	47.6	54.3	67.4	87.2	105.5	123.9	138.6	148.1	155.4	158.3
67.5°	32.3	35.2	38.9	49.1	63.0	77.7	90.1	100.3	110.6	113.6	118.7
70°	24.2	26.3	30.0	37.3	45.4	55.7	65.9	71.9	79.1	84.3	85.8
72.5°	15.4	16.1	19.8	24.2	30.7	37.3	43.9	49.1	53.5	56.4	57.8
75°	8.9	13.2	13.2	17.6	22.0	24.9	29.4	33.0	35.2	37.3	37.3
77.5°	5.8	8.1	8.9	11.0	13.2	16.8	20.5	22.8	24.9	25.7	25.7
80°	5.2	5.8	5.8	8.1	9.5	12.4	14.7	15.4	16.8	17.6	19.1
82.5°	2.2	2.9	3.7	5.8	6.6	6.6	8.9	9.5	11.0	11.8	11.8
85°	0.7	1.5	1.5	2.2	3.7	4.4	5.2	5.8	6.6	6.6	7.3
87.5°	0.7	0.7	0.0	0.7	1.5	1.5	2.9	2.9	2.9	4.4	4.4
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: P246027

CATALOG NUMBER: LD8B30D010 ER8B30930 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7	1500.7
2.5°	1487.6	1488.2	1485.3	1484.7	1483.1	1483.9	1485.3
5°	1460.4	1461.1	1458.2	1455.3	1455.3	1454.5	1455.3
7.5°	1434.8	1435.6	1431.1	1429.6	1426.7	1427.5	1427.5
10°	1409.1	1409.1	1402.5	1401.8	1399.6	1398.9	1398.9
12.5°	1384.2	1382.0	1376.8	1373.9	1375.5	1371.0	1371.0
15°	1362.2	1358.5	1351.9	1349.8	1346.1	1344.6	1344.6
17.5°	1339.5	1336.6	1330.7	1326.4	1321.9	1321.2	1321.9
20°	1317.5	1314.6	1307.2	1304.3	1300.7	1300.7	1299.2
22.5°	1295.5	1292.6	1286.0	1283.8	1278.7	1278.7	1279.4
25°	1272.8	1270.7	1263.3	1261.8	1261.1	1258.1	1259.7
27.5°	1242.1	1240.6	1234.7	1232.5	1229.6	1228.8	1230.3
30°	1185.6	1183.4	1179.1	1176.8	1171.7	1172.5	1173.9
32.5°	1115.3	1112.4	1106.4	1104.3	1099.9	1098.5	1099.1
35°	1027.4	1025.2	1020.0	1020.0	1015.6	1014.2	1015.6
37.5°	937.9	940.2	937.9	940.2	937.9	937.2	937.9
40°	853.6	861.7	863.2	871.2	868.3	872.7	872.0
42.5°	773.0	786.3	791.4	797.9	796.6	799.5	801.6
45°	691.8	702.8	707.9	712.3	713.0	714.4	715.2
47.5°	614.8	623.6	624.3	629.4	628.8	628.8	630.9
50°	543.0	548.8	550.3	554.0	551.1	549.5	550.3
52.5°	476.3	482.1	480.7	482.1	478.6	477.0	477.8
55°	408.2	411.1	411.1	411.1	406.7	406.7	406.7
57.5°	338.5	339.3	337.8	338.5	337.8	333.4	332.7
60°	274.8	274.8	274.1	274.8	272.6	270.4	270.4
62.5°	214.7	216.1	219.0	216.1	214.7	216.1	214.0
65°	160.5	163.4	162.7	164.1	163.4	163.4	162.0
67.5°	121.0	121.6	122.4	123.1	123.1	123.1	123.1
70°	88.7	90.9	90.1	90.1	90.1	90.1	94.5
72.5°	59.4	62.3	61.5	63.0	63.0	64.5	63.0
75°	40.2	43.3	41.8	43.9	43.3	41.8	45.4
77.5°	27.1	28.6	29.4	30.0	29.4	28.6	29.4
80°	19.1	20.5	19.8	20.5	20.5	20.5	21.3
82.5°	11.8	13.9	13.2	13.9	13.2	13.9	13.9
85°	8.1	8.9	7.3	8.9	8.1	8.1	9.5
87.5°	5.2	4.4	4.4	5.2	4.4	5.2	4.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)