

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: P245019

Luminaire Tested: **LD8B30D010 ER8B30930 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245019
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 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2532.3 lumens
Efficiency: N/A
Efficacy: 93.4 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

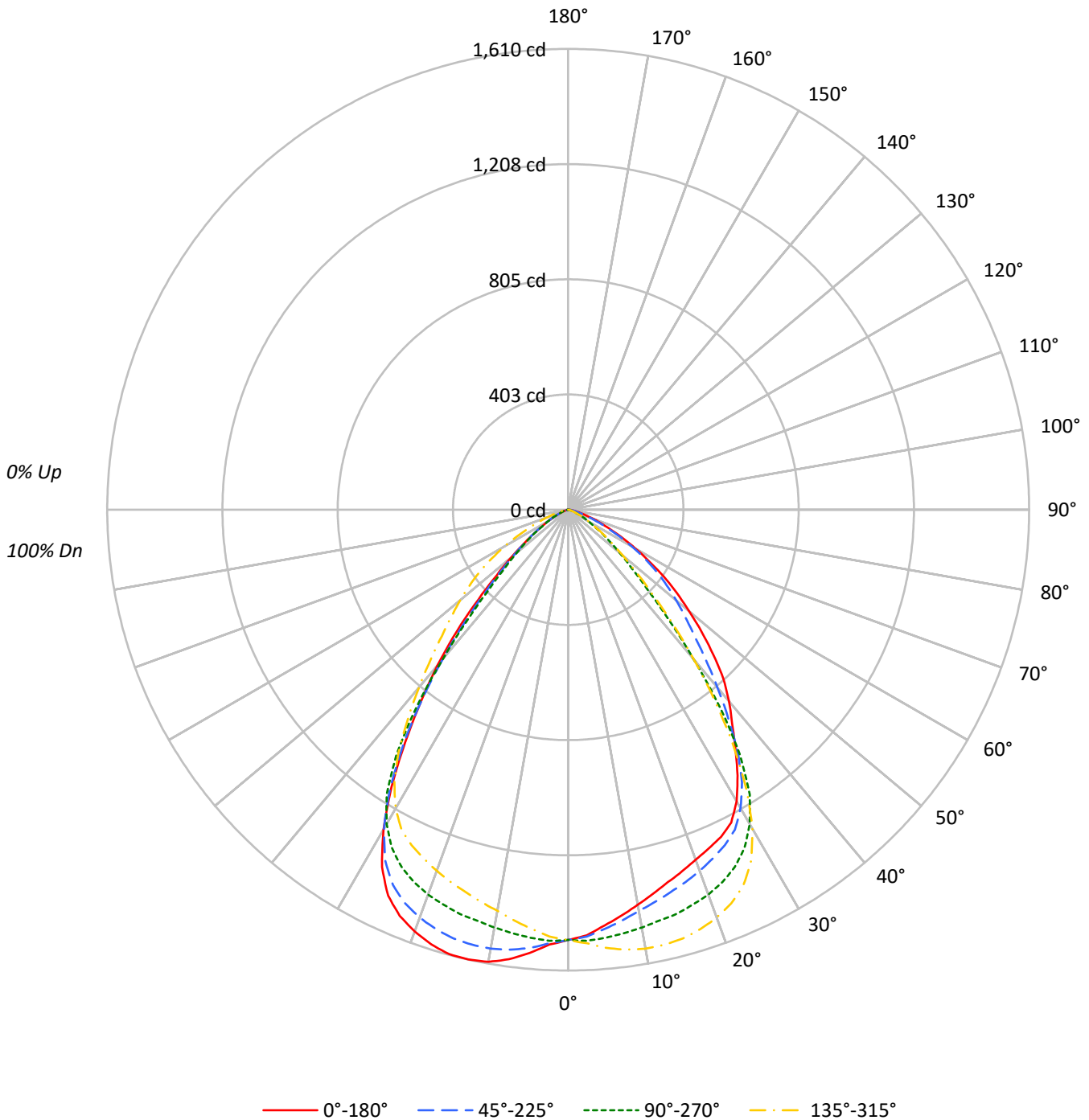
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	143.1	5.7
10°-20°	414.4	16.4
20°-30°	627.4	24.8
30°-40°	628.8	24.8
40°-50°	394.9	15.6
50°-60°	210.4	8.3
60°-70°	86.5	3.4
70°-80°	22.9	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°	1184.9	46.8
0°-40°	1813.7	71.6
0°-60°	2419.1	95.5
0°-90°	2532.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2532.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1503	1503	1503	1503	1503	
5°	1458	1501	1555	1501	1458	137
15°	1347	1462	1608	1462	1347	381
25°	1262	1377	1488	1377	1262	579
35°	1017	1046	992	1046	1017	637
45°	716	383	443	383	716	551
55°	407	142	150	142	407	363
65°	162	43	40	43	162	168
75°	46	9	7	9	46	52
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°	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4
2.5°	1488.0	1486.4	1485.8	1487.2	1488.0	1490.9	1490.1	1491.6	1491.6	1492.4	1493.8
5°	1457.9	1457.1	1457.9	1457.9	1460.8	1463.7	1463.0	1465.3	1466.6	1470.3	1471.8
7.5°	1429.9	1429.9	1429.3	1432.2	1433.6	1438.0	1437.2	1440.9	1443.2	1446.9	1451.9
10°	1401.4	1401.4	1402.0	1404.3	1405.1	1411.6	1411.6	1416.7	1419.6	1423.3	1429.9
12.5°	1373.4	1373.4	1377.8	1376.4	1379.3	1384.4	1386.7	1391.8	1396.2	1403.5	1410.1
15°	1347.0	1347.0	1348.5	1352.2	1354.4	1361.0	1364.6	1370.5	1375.7	1383.0	1392.5
17.5°	1324.2	1323.6	1324.2	1328.7	1333.1	1338.9	1341.8	1349.2	1354.4	1363.9	1372.7
20°	1301.5	1302.9	1302.9	1306.6	1309.6	1317.0	1319.9	1327.9	1333.8	1342.6	1352.9
22.5°	1281.6	1281.0	1281.0	1286.1	1288.3	1294.9	1297.8	1305.2	1311.8	1319.1	1328.7
25°	1261.9	1260.3	1263.4	1264.0	1265.5	1272.9	1275.0	1280.2	1286.8	1293.4	1302.9
27.5°	1232.5	1231.1	1231.8	1234.7	1236.9	1242.7	1244.2	1249.4	1254.5	1260.3	1268.5
30°	1175.9	1174.5	1173.8	1179.0	1181.1	1185.5	1187.7	1196.6	1198.0	1204.6	1210.5
32.5°	1101.0	1100.4	1101.8	1106.2	1108.4	1114.3	1117.3	1122.3	1126.0	1129.7	1135.6
35°	1017.4	1016.0	1017.4	1021.8	1021.8	1026.9	1029.2	1031.3	1030.6	1031.3	1029.9
37.5°	939.6	938.8	939.6	941.8	939.6	941.8	939.6	935.3	927.2	918.3	909.5
40°	873.6	874.3	869.9	872.8	864.7	863.3	855.2	844.2	828.1	810.4	785.5
42.5°	803.1	800.8	797.9	799.4	792.8	787.6	774.4	760.5	740.0	710.6	680.4
45°	716.4	715.8	714.3	713.5	709.1	704.0	693.0	676.9	654.1	623.9	588.0
47.5°	632.0	629.8	629.8	630.6	625.4	624.7	615.9	602.0	582.1	552.8	515.3
50°	551.3	550.5	552.0	555.0	551.3	549.9	543.9	534.4	516.8	491.8	456.6
52.5°	478.6	477.9	479.3	483.0	481.6	483.0	477.1	469.8	458.0	433.8	403.0
55°	407.4	407.4	407.4	411.7	411.7	411.7	408.8	404.5	393.5	375.9	347.2
57.5°	333.3	333.9	338.4	339.1	338.4	339.9	339.1	334.7	327.4	314.9	292.9
60°	270.8	270.8	273.1	275.3	274.5	275.3	275.3	273.1	265.8	255.5	237.9
62.5°	214.3	216.6	215.1	216.6	219.5	216.6	215.1	213.7	208.5	201.9	187.2
65°	162.2	163.7	163.7	164.5	163.0	163.7	160.8	158.6	155.6	148.3	138.8
67.5°	123.3	123.3	123.3	123.3	122.6	121.9	121.2	118.9	113.8	110.9	100.6
70°	94.7	90.2	90.2	90.2	90.2	91.0	88.8	85.9	84.4	79.3	72.0
72.5°	63.1	64.6	63.1	63.1	61.7	62.4	59.4	58.0	56.5	53.6	49.2
75°	45.5	41.8	43.3	44.1	41.8	43.3	40.4	37.4	37.4	35.2	33.1
77.5°	29.4	28.7	29.4	30.0	29.4	28.7	27.1	25.7	25.7	25.0	22.8
80°	21.3	20.5	20.5	20.5	19.8	20.5	19.1	19.1	17.6	16.9	15.4
82.5°	14.0	14.0	13.2	14.0	13.2	14.0	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°	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4
2.5°	1496.0	1496.8	1496.8	1499.7	1501.1	1501.9	1501.9	1507.7	1505.6	1507.1	1508.5
5°	1474.8	1479.2	1480.6	1480.6	1488.7	1491.6	1494.5	1501.1	1501.9	1506.3	1511.4
7.5°	1454.2	1459.3	1462.2	1468.8	1474.0	1479.2	1488.0	1492.4	1496.8	1502.6	1509.2
10°	1434.3	1440.3	1446.1	1451.2	1459.3	1465.9	1471.8	1482.1	1487.2	1495.3	1504.0
12.5°	1415.3	1423.3	1428.5	1437.2	1446.1	1451.9	1460.8	1470.3	1478.4	1486.4	1496.8
15°	1398.4	1408.0	1413.8	1423.3	1432.9	1440.9	1450.6	1462.2	1468.2	1477.7	1487.2
17.5°	1380.1	1390.4	1397.7	1406.5	1418.2	1427.0	1435.1	1446.9	1454.2	1464.5	1475.5
20°	1361.0	1371.2	1380.1	1388.8	1400.6	1409.4	1419.0	1430.7	1438.8	1449.0	1457.9
22.5°	1338.2	1347.8	1357.3	1367.5	1379.3	1386.7	1397.7	1408.0	1416.7	1426.2	1435.1
25°	1308.9	1320.7	1327.9	1337.5	1347.0	1355.1	1366.8	1377.1	1384.4	1393.3	1401.4
27.5°	1274.4	1283.2	1289.0	1297.1	1306.6	1314.0	1322.8	1333.1	1340.4	1348.5	1354.4
30°	1215.6	1223.7	1228.8	1234.7	1244.2	1250.8	1258.2	1267.7	1272.9	1278.7	1283.9
32.5°	1138.5	1145.1	1148.1	1152.5	1159.1	1165.7	1171.6	1179.6	1181.9	1185.5	1185.5
35°	1026.9	1028.4	1027.7	1029.2	1032.1	1035.8	1040.8	1046.0	1048.9	1048.9	1046.8
37.5°	896.2	887.5	878.0	870.6	868.4	866.9	869.9	872.0	875.1	876.5	872.8
40°	760.5	740.6	719.3	700.3	687.1	681.2	679.0	680.4	680.4	685.6	685.6
42.5°	643.8	613.0	581.4	552.8	533.7	519.0	512.4	512.4	513.1	516.8	519.0
45°	546.9	507.9	471.3	439.8	413.3	394.1	385.4	383.2	382.5	383.9	389.1
47.5°	472.7	432.4	394.1	355.2	327.4	308.3	300.2	297.3	294.4	297.3	298.1
50°	414.8	373.0	332.5	293.6	264.2	247.4	237.1	232.7	231.9	231.9	233.4
52.5°	361.9	323.0	282.6	243.0	212.1	196.0	186.4	184.3	181.3	184.3	184.3
55°	312.0	273.1	233.4	196.0	170.3	153.5	144.6	141.7	140.2	142.4	142.4
57.5°	257.7	224.6	188.0	154.1	128.5	116.7	110.1	106.5	105.7	107.2	105.7
60°	211.4	183.5	151.9	121.2	101.3	88.8	83.7	82.2	80.7	82.2	82.2
62.5°	167.4	143.9	118.2	94.7	77.8	69.1	63.1	63.1	62.4	62.4	63.1
65°	124.1	105.7	87.3	67.5	54.4	47.8	43.3	43.3	42.6	43.3	42.6
67.5°	90.2	77.8	63.1	49.2	38.9	35.2	32.3	30.0	31.6	30.0	29.4
70°	66.0	55.8	45.5	37.4	30.0	26.5	24.2	23.4	22.0	22.0	22.0
72.5°	44.1	37.4	30.8	24.2	19.8	16.1	15.4	14.0	12.4	13.2	14.7
75°	29.4	25.0	22.0	17.6	13.2	13.2	8.9	8.9	7.3	8.9	6.6
77.5°	20.5	16.9	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°	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4
2.5°	1512.2	1511.4	1512.9	1512.9	1517.3	1516.6	1518.7	1518.7	1517.3	1518.1	1521.0
5°	1517.3	1519.5	1523.9	1527.6	1534.2	1537.1	1540.8	1544.5	1545.2	1547.4	1549.7
7.5°	1517.3	1524.7	1529.8	1536.4	1545.2	1550.3	1558.4	1565.0	1567.9	1571.6	1576.0
10°	1514.4	1521.8	1531.3	1538.6	1549.7	1557.7	1565.8	1576.0	1580.5	1586.3	1592.2
12.5°	1508.5	1516.6	1526.8	1536.4	1548.9	1556.2	1566.5	1576.0	1582.6	1590.7	1597.3
15°	1499.7	1509.2	1518.7	1528.4	1541.5	1550.3	1559.9	1570.9	1577.5	1586.3	1592.2
17.5°	1485.8	1496.0	1504.8	1513.7	1526.1	1536.4	1545.2	1555.5	1562.1	1569.4	1577.5
20°	1468.8	1478.4	1488.0	1495.3	1507.7	1516.6	1526.1	1535.7	1540.8	1542.3	1554.7
22.5°	1447.5	1454.2	1461.6	1473.3	1480.6	1488.7	1497.5	1506.3	1511.4	1519.5	1523.9
25°	1412.3	1419.0	1427.0	1432.2	1440.9	1447.5	1456.4	1465.9	1468.8	1474.8	1479.2
27.5°	1363.1	1366.8	1370.5	1374.9	1380.1	1383.8	1388.8	1393.3	1396.2	1399.1	1402.0
30°	1285.3	1285.3	1285.3	1282.4	1284.7	1286.8	1287.6	1286.8	1286.8	1286.1	1286.1
32.5°	1182.5	1176.7	1170.1	1164.3	1162.0	1159.1	1157.7	1155.4	1151.7	1149.6	1150.3
35°	1043.9	1030.6	1022.6	1015.2	1009.3	1005.0	1002.7	1000.5	999.8	996.9	993.9
37.5°	870.6	861.0	855.2	850.8	845.7	841.2	842.0	842.8	844.9	843.4	844.2
40°	687.1	684.9	687.1	681.9	680.4	681.9	685.6	690.8	693.7	696.6	701.7
42.5°	522.6	526.3	531.5	531.5	533.7	536.6	541.0	549.1	553.4	558.6	564.5
45°	393.5	397.8	404.5	406.7	408.2	411.7	417.0	423.5	426.4	430.9	436.1
47.5°	303.2	306.1	309.7	313.4	317.1	318.6	323.7	323.7	327.4	330.4	331.8
50°	236.4	239.3	242.2	244.5	245.9	248.1	249.5	251.8	252.6	254.0	254.7
52.5°	185.0	188.7	188.7	190.1	192.4	194.5	193.8	194.5	195.3	195.3	197.4
55°	144.6	144.6	146.9	146.9	148.3	147.5	148.3	148.3	148.3	148.3	149.0
57.5°	108.0	108.6	110.9	109.4	108.6	110.1	108.6	110.1	109.4	110.9	108.6
60°	83.0	83.0	83.7	83.7	84.4	84.4	84.4	83.7	83.7	83.0	83.0
62.5°	62.4	63.1	63.9	63.1	63.1	63.1	62.4	62.4	61.7	60.9	60.9
65°	41.8	41.1	42.6	41.1	41.8	41.8	41.1	41.8	39.7	40.4	39.7
67.5°	30.0	29.4	28.7	29.4	28.7	27.9	27.9	28.7	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: P245019

CATALOG NUMBER: LD8B30D010 ER8B30930 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4
2.5°	1520.3	1519.5	1520.3	1521.0	1520.3	1519.5	1520.3	1521.0	1518.1	1517.3	1518.7
5°	1552.6	1552.6	1554.0	1554.7	1554.0	1552.6	1552.6	1549.7	1547.4	1545.2	1544.5
7.5°	1580.5	1582.0	1583.4	1584.1	1583.4	1582.0	1580.5	1576.0	1571.6	1567.9	1565.0
10°	1597.3	1599.6	1602.5	1603.9	1602.5	1599.6	1597.3	1592.2	1586.3	1580.5	1576.0
12.5°	1604.7	1606.8	1610.5	1609.9	1610.5	1606.8	1604.7	1597.3	1590.7	1582.6	1576.0
15°	1599.6	1602.5	1606.2	1607.6	1606.2	1602.5	1599.6	1592.2	1586.3	1577.5	1570.9
17.5°	1583.4	1587.8	1590.0	1592.2	1590.0	1587.8	1583.4	1577.5	1569.4	1562.1	1555.5
20°	1561.3	1564.4	1567.3	1567.9	1567.3	1564.4	1561.3	1554.7	1542.3	1540.8	1535.7
22.5°	1529.8	1532.0	1538.6	1536.4	1538.6	1532.0	1529.8	1523.9	1519.5	1511.4	1506.3
25°	1484.3	1486.4	1487.2	1488.0	1487.2	1486.4	1484.3	1479.2	1474.8	1468.8	1465.9
27.5°	1405.7	1405.7	1407.2	1408.0	1407.2	1405.7	1405.7	1402.0	1399.1	1396.2	1393.3
30°	1286.8	1286.8	1286.8	1290.5	1286.8	1286.8	1286.8	1286.1	1286.1	1286.8	1286.8
32.5°	1149.6	1148.1	1146.7	1148.1	1146.7	1148.1	1149.6	1150.3	1149.6	1151.7	1155.4
35°	993.9	993.2	995.4	992.4	995.4	993.2	993.9	993.9	996.9	999.8	1000.5
37.5°	844.9	843.4	846.4	843.4	846.4	843.4	844.9	844.2	843.4	844.9	842.8
40°	703.2	704.7	704.7	710.6	704.7	704.7	703.2	701.7	696.6	693.7	690.8
42.5°	567.5	571.8	570.4	574.7	570.4	571.8	567.5	564.5	558.6	553.4	549.1
45°	439.0	441.9	441.9	443.4	441.9	441.9	439.0	436.1	430.9	426.4	423.5
47.5°	337.0	337.0	337.0	337.6	337.0	337.0	337.0	331.8	330.4	327.4	323.7
50°	256.1	256.9	257.7	258.4	257.7	256.9	256.1	254.7	254.0	252.6	251.8
52.5°	196.7	197.4	196.0	197.4	196.0	197.4	196.7	197.4	195.3	195.3	194.5
55°	149.0	148.3	149.0	149.8	149.0	148.3	149.0	149.0	148.3	148.3	148.3
57.5°	109.4	108.0	108.0	108.0	108.0	108.0	109.4	108.6	110.9	109.4	110.1
60°	81.5	82.2	82.2	83.0	82.2	82.2	81.5	83.0	83.0	83.7	83.7
62.5°	60.2	62.4	60.9	62.4	60.9	62.4	60.2	60.9	60.9	61.7	62.4
65°	38.9	38.9	38.9	39.7	38.9	38.9	38.9	39.7	40.4	39.7	41.8
67.5°	26.5	27.1	28.7	27.9	28.7	27.1	26.5	27.1	27.1	29.4	28.7
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: P245019

CATALOG NUMBER: LD8B30D010 ER8B30930 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4
2.5°	1518.7	1516.6	1517.3	1512.9	1512.9	1511.4	1512.2	1508.5	1507.1	1505.6	1507.7
5°	1540.8	1537.1	1534.2	1527.6	1523.9	1519.5	1517.3	1511.4	1506.3	1501.9	1501.1
7.5°	1558.4	1550.3	1545.2	1536.4	1529.8	1524.7	1517.3	1509.2	1502.6	1496.8	1492.4
10°	1565.8	1557.7	1549.7	1538.6	1531.3	1521.8	1514.4	1504.0	1495.3	1487.2	1482.1
12.5°	1566.5	1556.2	1548.9	1536.4	1526.8	1516.6	1508.5	1496.8	1486.4	1478.4	1470.3
15°	1559.9	1550.3	1541.5	1528.4	1518.7	1509.2	1499.7	1487.2	1477.7	1468.2	1462.2
17.5°	1545.2	1536.4	1526.1	1513.7	1504.8	1496.0	1485.8	1475.5	1464.5	1454.2	1446.9
20°	1526.1	1516.6	1507.7	1495.3	1488.0	1478.4	1468.8	1457.9	1449.0	1438.8	1430.7
22.5°	1497.5	1488.7	1480.6	1473.3	1461.6	1454.2	1447.5	1435.1	1426.2	1416.7	1408.0
25°	1456.4	1447.5	1440.9	1432.2	1427.0	1419.0	1412.3	1401.4	1393.3	1384.4	1377.1
27.5°	1388.8	1383.8	1380.1	1374.9	1370.5	1366.8	1363.1	1354.4	1348.5	1340.4	1333.1
30°	1287.6	1286.8	1284.7	1282.4	1285.3	1285.3	1285.3	1283.9	1278.7	1272.9	1267.7
32.5°	1157.7	1159.1	1162.0	1164.3	1170.1	1176.7	1182.5	1185.5	1185.5	1181.9	1179.6
35°	1002.7	1005.0	1009.3	1015.2	1022.6	1030.6	1043.9	1046.8	1048.9	1048.9	1046.0
37.5°	842.0	841.2	845.7	850.8	855.2	861.0	870.6	872.8	876.5	875.1	872.0
40°	685.6	681.9	680.4	681.9	687.1	684.9	687.1	685.6	685.6	680.4	680.4
42.5°	541.0	536.6	533.7	531.5	531.5	526.3	522.6	519.0	516.8	513.1	512.4
45°	417.0	411.7	408.2	406.7	404.5	397.8	393.5	389.1	383.9	382.5	383.2
47.5°	323.7	318.6	317.1	313.4	309.7	306.1	303.2	298.1	297.3	294.4	297.3
50°	249.5	248.1	245.9	244.5	242.2	239.3	236.4	233.4	231.9	231.9	232.7
52.5°	193.8	194.5	192.4	190.1	188.7	188.7	185.0	184.3	184.3	181.3	184.3
55°	148.3	147.5	148.3	146.9	146.9	144.6	144.6	142.4	142.4	140.2	141.7
57.5°	108.6	110.1	108.6	109.4	110.9	108.6	108.0	105.7	107.2	105.7	106.5
60°	84.4	84.4	84.4	83.7	83.7	83.0	83.0	82.2	82.2	80.7	82.2
62.5°	62.4	63.1	63.1	63.1	63.9	63.1	62.4	63.1	62.4	62.4	63.1
65°	41.1	41.8	41.8	41.1	42.6	41.1	41.8	42.6	43.3	42.6	43.3
67.5°	27.9	27.9	28.7	29.4	28.7	29.4	30.0	29.4	30.0	31.6	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	14.0
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: P245019

CATALOG NUMBER: LD8B30D010 ER8B30930 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4
2.5°	1501.9	1501.9	1501.1	1499.7	1496.8	1496.8	1496.0	1493.8	1492.4	1491.6	1491.6
5°	1494.5	1491.6	1488.7	1480.6	1480.6	1479.2	1474.8	1471.8	1470.3	1466.6	1465.3
7.5°	1488.0	1479.2	1474.0	1468.8	1462.2	1459.3	1454.2	1451.9	1446.9	1443.2	1440.9
10°	1471.8	1465.9	1459.3	1451.2	1446.1	1440.3	1434.3	1429.9	1423.3	1419.6	1416.7
12.5°	1460.8	1451.9	1446.1	1437.2	1428.5	1423.3	1415.3	1410.1	1403.5	1396.2	1391.8
15°	1450.6	1440.9	1432.9	1423.3	1413.8	1408.0	1398.4	1392.5	1383.0	1375.7	1370.5
17.5°	1435.1	1427.0	1418.2	1406.5	1397.7	1390.4	1380.1	1372.7	1363.9	1354.4	1349.2
20°	1419.0	1409.4	1400.6	1388.8	1380.1	1371.2	1361.0	1352.9	1342.6	1333.8	1327.9
22.5°	1397.7	1386.7	1379.3	1367.5	1357.3	1347.8	1338.2	1328.7	1319.1	1311.8	1305.2
25°	1366.8	1355.1	1347.0	1337.5	1327.9	1320.7	1308.9	1302.9	1293.4	1286.8	1280.2
27.5°	1322.8	1314.0	1306.6	1297.1	1289.0	1283.2	1274.4	1268.5	1260.3	1254.5	1249.4
30°	1258.2	1250.8	1244.2	1234.7	1228.8	1223.7	1215.6	1210.5	1204.6	1198.0	1196.6
32.5°	1171.6	1165.7	1159.1	1152.5	1148.1	1145.1	1138.5	1135.6	1129.7	1126.0	1122.3
35°	1040.8	1035.8	1032.1	1029.2	1027.7	1028.4	1026.9	1029.9	1031.3	1030.6	1031.3
37.5°	869.9	866.9	868.4	870.6	878.0	887.5	896.2	909.5	918.3	927.2	935.3
40°	679.0	681.2	687.1	700.3	719.3	740.6	760.5	785.5	810.4	828.1	844.2
42.5°	512.4	519.0	533.7	552.8	581.4	613.0	643.8	680.4	710.6	740.0	760.5
45°	385.4	394.1	413.3	439.8	471.3	507.9	546.9	588.0	623.9	654.1	676.9
47.5°	300.2	308.3	327.4	355.2	394.1	432.4	472.7	515.3	552.8	582.1	602.0
50°	237.1	247.4	264.2	293.6	332.5	373.0	414.8	456.6	491.8	516.8	534.4
52.5°	186.4	196.0	212.1	243.0	282.6	323.0	361.9	403.0	433.8	458.0	469.8
55°	144.6	153.5	170.3	196.0	233.4	273.1	312.0	347.2	375.9	393.5	404.5
57.5°	110.1	116.7	128.5	154.1	188.0	224.6	257.7	292.9	314.9	327.4	334.7
60°	83.7	88.8	101.3	121.2	151.9	183.5	211.4	237.9	255.5	265.8	273.1
62.5°	63.1	69.1	77.8	94.7	118.2	143.9	167.4	187.2	201.9	208.5	213.7
65°	43.3	47.8	54.4	67.5	87.3	105.7	124.1	138.8	148.3	155.6	158.6
67.5°	32.3	35.2	38.9	49.2	63.1	77.8	90.2	100.6	110.9	113.8	118.9
70°	24.2	26.5	30.0	37.4	45.5	55.8	66.0	72.0	79.3	84.4	85.9
72.5°	15.4	16.1	19.8	24.2	30.8	37.4	44.1	49.2	53.6	56.5	58.0
75°	8.9	13.2	13.2	17.6	22.0	25.0	29.4	33.1	35.2	37.4	37.4
77.5°	5.8	8.1	8.9	11.0	13.2	16.9	20.5	22.8	25.0	25.7	25.7
80°	5.2	5.8	5.8	8.1	9.5	12.4	14.7	15.4	16.9	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: P245019

CATALOG NUMBER: LD8B30D010 ER8B30930 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4
2.5°	1490.1	1490.9	1488.0	1487.2	1485.8	1486.4	1488.0
5°	1463.0	1463.7	1460.8	1457.9	1457.9	1457.1	1457.9
7.5°	1437.2	1438.0	1433.6	1432.2	1429.3	1429.9	1429.9
10°	1411.6	1411.6	1405.1	1404.3	1402.0	1401.4	1401.4
12.5°	1386.7	1384.4	1379.3	1376.4	1377.8	1373.4	1373.4
15°	1364.6	1361.0	1354.4	1352.2	1348.5	1347.0	1347.0
17.5°	1341.8	1338.9	1333.1	1328.7	1324.2	1323.6	1324.2
20°	1319.9	1317.0	1309.6	1306.6	1302.9	1302.9	1301.5
22.5°	1297.8	1294.9	1288.3	1286.1	1281.0	1281.0	1281.6
25°	1275.0	1272.9	1265.5	1264.0	1263.4	1260.3	1261.9
27.5°	1244.2	1242.7	1236.9	1234.7	1231.8	1231.1	1232.5
30°	1187.7	1185.5	1181.1	1179.0	1173.8	1174.5	1175.9
32.5°	1117.3	1114.3	1108.4	1106.2	1101.8	1100.4	1101.0
35°	1029.2	1026.9	1021.8	1021.8	1017.4	1016.0	1017.4
37.5°	939.6	941.8	939.6	941.8	939.6	938.8	939.6
40°	855.2	863.3	864.7	872.8	869.9	874.3	873.6
42.5°	774.4	787.6	792.8	799.4	797.9	800.8	803.1
45°	693.0	704.0	709.1	713.5	714.3	715.8	716.4
47.5°	615.9	624.7	625.4	630.6	629.8	629.8	632.0
50°	543.9	549.9	551.3	555.0	552.0	550.5	551.3
52.5°	477.1	483.0	481.6	483.0	479.3	477.9	478.6
55°	408.8	411.7	411.7	411.7	407.4	407.4	407.4
57.5°	339.1	339.9	338.4	339.1	338.4	333.9	333.3
60°	275.3	275.3	274.5	275.3	273.1	270.8	270.8
62.5°	215.1	216.6	219.5	216.6	215.1	216.6	214.3
65°	160.8	163.7	163.0	164.5	163.7	163.7	162.2
67.5°	121.2	121.9	122.6	123.3	123.3	123.3	123.3
70°	88.8	91.0	90.2	90.2	90.2	90.2	94.7
72.5°	59.4	62.4	61.7	63.1	63.1	64.6	63.1
75°	40.4	43.3	41.8	44.1	43.3	41.8	45.5
77.5°	27.1	28.7	29.4	30.0	29.4	28.7	29.4
80°	19.1	20.5	19.8	20.5	20.5	20.5	21.3
82.5°	11.8	14.0	13.2	14.0	13.2	14.0	14.0
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)