

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: P244587

Luminaire Tested: **LD8B30D010 ER8B30930 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244587  
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 8LBSW0H  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2554.8 lumens  
Efficiency: N/A  
Efficacy: 94.3 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

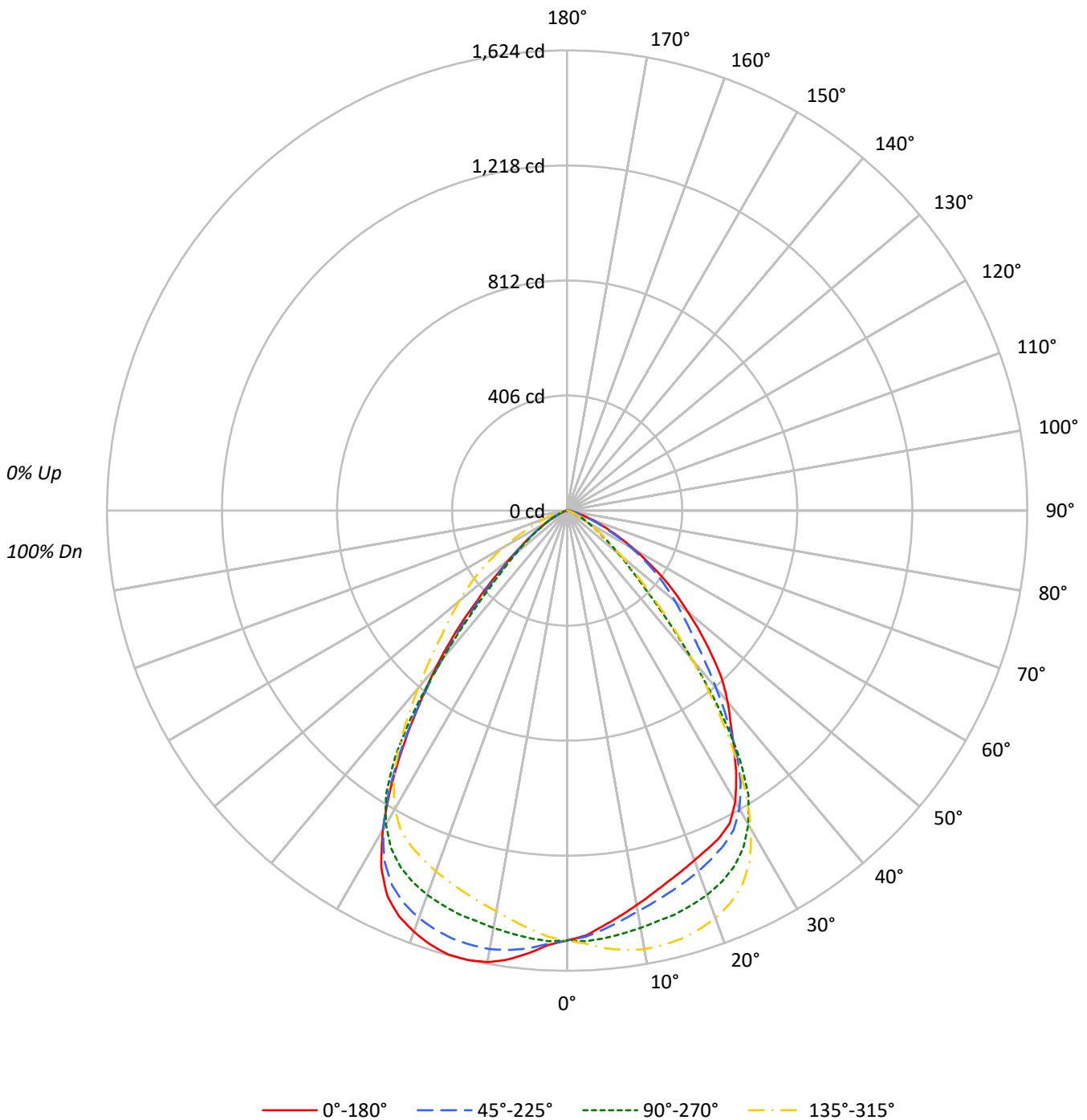
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P244587

CATALOG NUMBER: LD8B30D010 ER8B30930 8LBSW0H

### Luminous Intensity Polar Plot





TEST NUMBER: P244587

CATALOG NUMBER: LD8B30D010 ER8B30930 8LBSW0H

**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°				



TEST NUMBER: P244587

CATALOG NUMBER: LD8B30D010 ER8B30930 8LBSW0H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.4	5.7
10°-20°	418.0	16.4
20°-30°	633.0	24.8
30°-40°	634.4	24.8
40°-50°	398.4	15.6
50°-60°	212.3	8.3
60°-70°	87.3	3.4
70°-80°	23.1	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°	1195.4	46.8
0°-40°	1829.8	71.6
0°-60°	2440.5	95.5
0°-90°	2554.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2554.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1517	1517	1517	1517	1517	
5°	1471	1514	1568	1514	1471	139
15°	1359	1475	1622	1475	1359	384
25°	1273	1389	1501	1389	1273	584
35°	1026	1055	1001	1055	1026	643
45°	723	387	447	387	723	556
55°	411	143	151	143	411	366
65°	164	44	40	44	164	170
75°	46	9	7	9	46	52
85°	10	0	1	0	10	11
90°	0	0	0	0	0	



TEST NUMBER: P244587

CATALOG NUMBER: LD8B30D010 ER8B30930 8LBSWOH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7
2.5°	1501.1	1499.7	1498.9	1500.3	1501.1	1504.0	1503.4	1504.8	1504.8	1505.6	1507.1
5°	1470.8	1470.0	1470.8	1470.8	1473.8	1476.7	1475.9	1478.2	1479.6	1483.3	1484.9
7.5°	1442.6	1442.6	1441.8	1444.9	1446.3	1450.8	1450.0	1453.7	1456.0	1459.7	1464.8
10°	1413.7	1413.7	1414.5	1416.7	1417.5	1424.1	1424.1	1429.3	1432.2	1436.0	1442.6
12.5°	1385.6	1385.6	1390.0	1388.6	1391.5	1396.7	1398.9	1404.1	1408.5	1415.9	1422.7
15°	1359.0	1359.0	1360.4	1364.1	1366.4	1373.0	1376.7	1382.6	1387.8	1395.2	1404.8
17.5°	1336.0	1335.2	1336.0	1340.4	1344.9	1350.8	1353.7	1361.1	1366.4	1376.0	1384.9
20°	1313.0	1314.5	1314.5	1318.2	1321.2	1328.6	1331.5	1339.7	1345.6	1354.5	1364.9
22.5°	1293.1	1292.3	1292.3	1297.4	1299.7	1306.3	1309.3	1316.7	1323.3	1330.9	1340.4
25°	1273.0	1271.6	1274.6	1275.2	1276.7	1284.1	1286.3	1291.5	1298.2	1304.8	1314.5
27.5°	1243.4	1242.0	1242.6	1245.7	1247.9	1253.7	1255.3	1260.5	1265.6	1271.6	1279.7
30°	1186.4	1184.9	1184.2	1189.4	1191.6	1196.0	1198.2	1207.1	1208.6	1215.3	1221.2
32.5°	1110.8	1110.1	1111.6	1116.1	1118.2	1124.1	1127.2	1132.3	1136.0	1139.7	1145.7
35°	1026.4	1024.9	1026.4	1030.9	1030.9	1036.0	1038.3	1040.5	1039.7	1040.5	1039.1
37.5°	947.9	947.1	947.9	950.2	947.9	950.2	947.9	943.4	935.4	926.4	917.5
40°	881.3	882.0	877.6	880.5	872.4	870.9	862.7	851.6	835.4	817.5	792.4
42.5°	810.1	808.0	805.0	806.4	799.8	794.6	781.3	767.2	746.5	716.9	686.5
45°	722.8	722.0	720.6	719.8	715.4	710.2	699.1	682.8	659.8	629.4	593.2
47.5°	637.6	635.4	635.4	636.2	630.9	630.2	621.4	607.2	587.3	557.7	519.9
50°	556.1	555.5	556.9	559.8	556.1	554.7	548.7	539.1	521.4	496.2	460.6
52.5°	482.8	482.1	483.6	487.3	485.8	487.3	481.4	474.0	462.1	437.6	406.6
55°	411.1	411.1	411.1	415.4	415.4	415.4	412.5	408.0	396.9	379.1	350.3
57.5°	336.2	337.0	341.5	342.1	341.5	342.9	342.1	337.6	330.4	317.7	295.5
60°	273.3	273.3	275.5	277.7	277.0	277.7	277.7	275.5	268.1	257.7	240.0
62.5°	216.2	218.5	217.0	218.5	221.4	218.5	217.0	215.5	210.3	203.7	188.9
65°	163.7	165.1	165.1	165.9	164.3	165.1	162.2	160.0	157.1	149.7	140.0
67.5°	124.4	124.4	124.4	124.4	123.6	123.0	122.2	119.9	114.8	111.9	101.5
70°	95.5	91.0	91.0	91.0	91.0	91.8	89.6	86.7	85.2	80.0	72.5
72.5°	63.7	65.1	63.7	63.7	62.2	63.0	60.0	58.5	57.1	54.0	49.7
75°	46.0	42.3	43.7	44.4	42.3	43.7	40.7	37.8	37.8	35.5	33.3
77.5°	29.6	28.9	29.6	30.4	29.6	28.9	27.4	25.9	25.9	25.2	23.0
80°	21.5	20.7	20.7	20.7	20.0	20.7	19.3	19.3	17.8	17.0	15.6
82.5°	14.1	14.1	13.3	14.1	13.3	14.1	11.9	11.9	11.9	11.1	9.6
85°	9.6	8.2	8.2	8.9	7.4	8.9	8.2	7.4	6.7	6.7	5.9
87.5°	4.5	5.2	4.5	5.2	4.5	4.5	5.2	4.5	4.5	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



TEST NUMBER: P244587

CATALOG NUMBER: LD8B30D010 ER8B30930 8LBSWOH

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7
2.5°	1509.3	1510.0	1510.0	1513.0	1514.5	1515.1	1515.1	1521.1	1519.0	1520.4	1521.9
5°	1487.8	1492.3	1493.7	1493.7	1501.9	1504.8	1507.7	1514.5	1515.1	1519.6	1524.8
7.5°	1467.1	1472.2	1475.2	1481.8	1487.0	1492.3	1501.1	1505.6	1510.0	1515.9	1522.5
10°	1447.1	1453.0	1458.9	1464.1	1472.2	1478.9	1484.9	1495.2	1500.3	1508.5	1517.4
12.5°	1427.8	1436.0	1441.2	1450.0	1458.9	1464.8	1473.8	1483.3	1491.5	1499.7	1510.0
15°	1410.8	1420.4	1426.4	1436.0	1445.6	1453.7	1463.4	1475.2	1481.2	1490.8	1500.3
17.5°	1392.3	1402.6	1410.1	1419.0	1430.7	1439.7	1447.8	1459.7	1467.1	1477.4	1488.6
20°	1373.0	1383.4	1392.3	1401.1	1413.0	1421.9	1431.5	1443.4	1451.5	1461.9	1470.8
22.5°	1350.0	1359.7	1369.3	1379.6	1391.5	1398.9	1410.1	1420.4	1429.3	1438.9	1447.8
25°	1320.4	1332.3	1339.7	1349.3	1359.0	1367.1	1378.9	1389.3	1396.7	1405.6	1413.7
27.5°	1285.7	1294.5	1300.5	1308.5	1318.2	1325.6	1334.4	1344.9	1352.3	1360.4	1366.4
30°	1226.4	1234.6	1239.7	1245.7	1255.3	1261.9	1269.3	1278.9	1284.1	1290.0	1295.2
32.5°	1148.6	1155.3	1158.2	1162.7	1169.3	1176.0	1182.0	1190.1	1192.3	1196.0	1196.0
35°	1036.0	1037.5	1036.8	1038.3	1041.3	1044.9	1050.2	1055.3	1058.2	1058.2	1056.1
37.5°	904.2	895.3	885.7	878.3	876.1	874.6	877.6	879.8	882.8	884.2	880.5
40°	767.2	747.3	725.7	706.5	693.1	687.3	685.0	686.5	686.5	691.7	691.7
42.5°	649.5	618.3	586.5	557.7	538.4	523.6	516.9	516.9	517.7	521.4	523.6
45°	551.8	512.5	475.4	443.6	416.9	397.6	388.8	386.6	385.8	387.3	392.5
47.5°	476.9	436.2	397.6	358.5	330.4	311.1	302.9	299.9	297.0	299.9	300.7
50°	418.5	376.2	335.5	296.3	266.6	249.5	239.2	234.7	234.1	234.1	235.5
52.5°	365.1	325.9	285.2	245.2	214.0	197.7	188.1	185.9	182.9	185.9	185.9
55°	314.8	275.5	235.5	197.7	171.8	154.8	145.8	142.9	141.5	143.7	143.7
57.5°	260.0	226.6	189.6	155.5	129.6	117.7	111.1	107.4	106.6	108.2	106.6
60°	213.3	185.2	153.2	122.2	102.2	89.6	84.4	83.0	81.5	83.0	83.0
62.5°	168.8	145.2	119.2	95.5	78.5	69.6	63.7	63.7	63.0	63.0	63.7
65°	125.2	106.6	88.1	68.2	54.8	48.1	43.7	43.7	42.9	43.7	42.9
67.5°	91.0	78.5	63.7	49.7	39.2	35.5	32.6	30.4	31.8	30.4	29.6
70°	66.7	56.3	46.0	37.8	30.4	26.7	24.4	23.7	22.2	22.2	22.2
72.5°	44.4	37.8	31.1	24.4	20.0	16.3	15.6	14.1	12.6	13.3	14.8
75°	29.6	25.2	22.2	17.8	13.3	13.3	8.9	8.9	7.4	8.9	6.7
77.5°	20.7	17.0	13.3	11.1	8.9	8.2	5.9	5.9	5.2	5.2	5.2
80°	14.8	12.6	9.6	8.2	5.9	5.9	5.2	4.5	3.7	3.7	4.5
82.5°	8.9	6.7	6.7	5.9	3.7	2.9	2.2	2.9	1.5	1.5	1.5
85°	5.2	4.5	3.7	2.2	1.5	1.5	0.8	0.0	0.8	0.8	0.0
87.5°	2.9	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



TEST NUMBER: P244587

CATALOG NUMBER: LD8B30D010 ER8B30930 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7
2.5°	1525.6	1524.8	1526.4	1526.4	1530.7	1530.1	1532.2	1532.2	1530.7	1531.5	1534.4
5°	1530.7	1533.0	1537.5	1541.2	1547.8	1550.8	1554.5	1558.2	1558.9	1561.1	1563.3
7.5°	1530.7	1538.1	1543.4	1550.0	1558.9	1564.1	1572.2	1578.9	1581.8	1585.5	1590.0
10°	1527.8	1535.2	1544.9	1552.2	1563.3	1571.5	1579.6	1590.0	1594.4	1600.3	1606.3
12.5°	1521.9	1530.1	1540.4	1550.0	1562.6	1570.0	1580.4	1590.0	1596.6	1604.8	1611.4
15°	1513.0	1522.5	1532.2	1541.8	1555.2	1564.1	1573.7	1584.8	1591.5	1600.3	1606.3
17.5°	1498.9	1509.3	1518.2	1527.0	1539.6	1550.0	1558.9	1569.3	1575.9	1583.3	1591.5
20°	1481.8	1491.5	1501.1	1508.5	1521.1	1530.1	1539.6	1549.2	1554.5	1555.9	1568.5
22.5°	1460.4	1467.1	1474.5	1486.3	1493.7	1501.9	1510.8	1519.6	1524.8	1533.0	1537.5
25°	1424.8	1431.5	1439.7	1444.9	1453.7	1460.4	1469.3	1478.9	1481.8	1487.8	1492.3
27.5°	1375.2	1378.9	1382.6	1387.0	1392.3	1396.0	1401.1	1405.6	1408.5	1411.6	1414.5
30°	1296.8	1296.8	1296.8	1293.7	1296.0	1298.2	1298.9	1298.2	1298.2	1297.4	1297.4
32.5°	1193.1	1187.1	1180.4	1174.6	1172.3	1169.3	1167.9	1165.6	1161.9	1159.8	1160.5
35°	1053.1	1039.7	1031.7	1024.3	1018.3	1013.8	1011.6	1009.3	1008.7	1005.6	1002.7
37.5°	878.3	868.7	862.7	858.3	853.2	848.7	849.4	850.2	852.4	851.0	851.6
40°	693.1	691.0	693.1	688.0	686.5	688.0	691.7	696.9	699.8	702.8	708.0
42.5°	527.3	531.0	536.2	536.2	538.4	541.3	545.8	554.0	558.4	563.5	569.5
45°	396.9	401.4	408.0	410.3	411.7	415.4	420.7	427.3	430.2	434.7	439.9
47.5°	305.8	308.8	312.5	316.2	319.9	321.4	326.5	326.5	330.4	333.3	334.7
50°	238.4	241.5	244.4	246.6	248.1	250.3	251.8	254.0	254.7	256.3	256.9
52.5°	186.6	190.3	190.3	191.8	194.0	196.3	195.5	196.3	197.0	197.0	199.2
55°	145.8	145.8	148.1	148.1	149.7	148.9	149.7	149.7	149.7	149.7	150.3
57.5°	108.8	109.6	111.9	110.3	109.6	111.1	109.6	111.1	110.3	111.9	109.6
60°	83.6	83.6	84.4	84.4	85.2	85.2	85.2	84.4	84.4	83.6	83.6
62.5°	63.0	63.7	64.5	63.7	63.7	63.7	63.0	63.0	62.2	61.4	61.4
65°	42.3	41.5	42.9	41.5	42.3	42.3	41.5	42.3	40.0	40.7	40.0
67.5°	30.4	29.6	28.9	29.6	28.9	28.1	28.1	28.9	29.6	27.4	27.4
70°	20.0	20.7	20.0	20.7	21.5	21.5	20.7	20.0	20.7	19.3	20.0
72.5°	12.6	12.6	12.6	12.6	12.6	13.3	13.3	13.3	11.9	11.9	11.1
75°	5.9	8.2	6.7	5.9	8.2	8.2	7.4	7.4	6.7	6.7	6.7
77.5°	5.9	4.5	4.5	4.5	4.5	4.5	4.5	4.5	3.7	4.5	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	0.8	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: P244587

CATALOG NUMBER: LD8B30D010 ER8B30930 8LBSWOH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7
2.5°	1533.8	1533.0	1533.8	1534.4	1533.8	1533.0	1533.8	1534.4	1531.5	1530.7	1532.2
5°	1566.3	1566.3	1567.7	1568.5	1567.7	1566.3	1566.3	1563.3	1561.1	1558.9	1558.2
7.5°	1594.4	1596.0	1597.4	1598.1	1597.4	1596.0	1594.4	1590.0	1585.5	1581.8	1578.9
10°	1611.4	1613.7	1616.7	1618.2	1616.7	1613.7	1611.4	1606.3	1600.3	1594.4	1590.0
12.5°	1618.8	1621.1	1624.8	1624.1	1624.8	1621.1	1618.8	1611.4	1604.8	1596.6	1590.0
15°	1613.7	1616.7	1620.4	1621.9	1620.4	1616.7	1613.7	1606.3	1600.3	1591.5	1584.8
17.5°	1597.4	1601.8	1604.0	1606.3	1604.0	1601.8	1597.4	1591.5	1583.3	1575.9	1569.3
20°	1575.2	1578.1	1581.2	1581.8	1581.2	1578.1	1575.2	1568.5	1555.9	1554.5	1549.2
22.5°	1543.4	1545.5	1552.2	1550.0	1552.2	1545.5	1543.4	1537.5	1533.0	1524.8	1519.6
25°	1497.4	1499.7	1500.3	1501.1	1500.3	1499.7	1497.4	1492.3	1487.8	1481.8	1478.9
27.5°	1418.2	1418.2	1419.6	1420.4	1419.6	1418.2	1418.2	1414.5	1411.6	1408.5	1405.6
30°	1298.2	1298.2	1298.2	1301.9	1298.2	1298.2	1298.2	1297.4	1297.4	1298.2	1298.2
32.5°	1159.8	1158.2	1156.8	1158.2	1156.8	1158.2	1159.8	1160.5	1159.8	1161.9	1165.6
35°	1002.7	1001.9	1004.2	1001.3	1004.2	1001.9	1002.7	1002.7	1005.6	1008.7	1009.3
37.5°	852.4	851.0	853.9	851.0	853.9	851.0	852.4	851.6	851.0	852.4	850.2
40°	709.5	710.9	710.9	716.9	710.9	710.9	709.5	708.0	702.8	699.8	696.9
42.5°	572.5	576.9	575.4	579.9	575.4	576.9	572.5	569.5	563.5	558.4	554.0
45°	442.8	445.8	445.8	447.3	445.8	445.8	442.8	439.9	434.7	430.2	427.3
47.5°	339.9	339.9	339.9	340.7	339.9	339.9	339.9	334.7	333.3	330.4	326.5
50°	258.5	259.2	260.0	260.6	260.0	259.2	258.5	256.9	256.3	254.7	254.0
52.5°	198.4	199.2	197.7	199.2	197.7	199.2	198.4	199.2	197.0	197.0	196.3
55°	150.3	149.7	150.3	151.1	150.3	149.7	150.3	150.3	149.7	149.7	149.7
57.5°	110.3	108.8	108.8	108.8	108.8	108.8	110.3	109.6	111.9	110.3	111.1
60°	82.2	83.0	83.0	83.6	83.0	83.0	82.2	83.6	83.6	84.4	84.4
62.5°	60.8	63.0	61.4	63.0	61.4	63.0	60.8	61.4	61.4	62.2	63.0
65°	39.2	39.2	39.2	40.0	39.2	39.2	39.2	40.0	40.7	40.0	42.3
67.5°	26.7	27.4	28.9	28.1	28.9	27.4	26.7	27.4	27.4	29.6	28.9
70°	21.5	19.3	19.3	21.5	19.3	19.3	21.5	20.0	19.3	20.7	20.0
72.5°	12.6	11.1	12.6	12.6	12.6	11.1	12.6	11.1	11.9	11.9	13.3
75°	6.7	5.9	5.2	7.4	5.2	5.9	6.7	6.7	6.7	6.7	7.4
77.5°	4.5	3.7	5.2	5.2	5.2	3.7	4.5	3.7	4.5	3.7	4.5
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°	0.8	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: P244587

CATALOG NUMBER: LD8B30D010 ER8B30930 8LBSWOH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7
2.5°	1532.2	1530.1	1530.7	1526.4	1526.4	1524.8	1525.6	1521.9	1520.4	1519.0	1521.1
5°	1554.5	1550.8	1547.8	1541.2	1537.5	1533.0	1530.7	1524.8	1519.6	1515.1	1514.5
7.5°	1572.2	1564.1	1558.9	1550.0	1543.4	1538.1	1530.7	1522.5	1515.9	1510.0	1505.6
10°	1579.6	1571.5	1563.3	1552.2	1544.9	1535.2	1527.8	1517.4	1508.5	1500.3	1495.2
12.5°	1580.4	1570.0	1562.6	1550.0	1540.4	1530.1	1521.9	1510.0	1499.7	1491.5	1483.3
15°	1573.7	1564.1	1555.2	1541.8	1532.2	1522.5	1513.0	1500.3	1490.8	1481.2	1475.2
17.5°	1558.9	1550.0	1539.6	1527.0	1518.2	1509.3	1498.9	1488.6	1477.4	1467.1	1459.7
20°	1539.6	1530.1	1521.1	1508.5	1501.1	1491.5	1481.8	1470.8	1461.9	1451.5	1443.4
22.5°	1510.8	1501.9	1493.7	1486.3	1474.5	1467.1	1460.4	1447.8	1438.9	1429.3	1420.4
25°	1469.3	1460.4	1453.7	1444.9	1439.7	1431.5	1424.8	1413.7	1405.6	1396.7	1389.3
27.5°	1401.1	1396.0	1392.3	1387.0	1382.6	1378.9	1375.2	1366.4	1360.4	1352.3	1344.9
30°	1298.9	1298.2	1296.0	1293.7	1296.8	1296.8	1296.8	1295.2	1290.0	1284.1	1278.9
32.5°	1167.9	1169.3	1172.3	1174.6	1180.4	1187.1	1193.1	1196.0	1196.0	1192.3	1190.1
35°	1011.6	1013.8	1018.3	1024.3	1031.7	1039.7	1053.1	1056.1	1058.2	1058.2	1055.3
37.5°	849.4	848.7	853.2	858.3	862.7	868.7	878.3	880.5	884.2	882.8	879.8
40°	691.7	688.0	686.5	688.0	693.1	691.0	693.1	691.7	691.7	686.5	686.5
42.5°	545.8	541.3	538.4	536.2	536.2	531.0	527.3	523.6	521.4	517.7	516.9
45°	420.7	415.4	411.7	410.3	408.0	401.4	396.9	392.5	387.3	385.8	386.6
47.5°	326.5	321.4	319.9	316.2	312.5	308.8	305.8	300.7	299.9	297.0	299.9
50°	251.8	250.3	248.1	246.6	244.4	241.5	238.4	235.5	234.1	234.1	234.7
52.5°	195.5	196.3	194.0	191.8	190.3	190.3	186.6	185.9	185.9	182.9	185.9
55°	149.7	148.9	149.7	148.1	148.1	145.8	145.8	143.7	143.7	141.5	142.9
57.5°	109.6	111.1	109.6	110.3	111.9	109.6	108.8	106.6	108.2	106.6	107.4
60°	85.2	85.2	85.2	84.4	84.4	83.6	83.6	83.0	83.0	81.5	83.0
62.5°	63.0	63.7	63.7	63.7	64.5	63.7	63.0	63.7	63.0	63.0	63.7
65°	41.5	42.3	42.3	41.5	42.9	41.5	42.3	42.9	43.7	42.9	43.7
67.5°	28.1	28.1	28.9	29.6	28.9	29.6	30.4	29.6	30.4	31.8	30.4
70°	20.7	21.5	21.5	20.7	20.0	20.7	20.0	22.2	22.2	22.2	23.7
72.5°	13.3	13.3	12.6	12.6	12.6	12.6	12.6	14.8	13.3	12.6	14.1
75°	7.4	8.2	8.2	5.9	6.7	8.2	5.9	6.7	8.9	7.4	8.9
77.5°	4.5	4.5	4.5	4.5	4.5	4.5	5.9	5.2	5.2	5.2	5.9
80°	3.7	2.9	2.9	2.2	2.9	2.9	2.9	4.5	3.7	3.7	4.5
82.5°	1.5	1.5	0.8	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	0.8	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: P244587

CATALOG NUMBER: LD8B30D010 ER8B30930 8LBSWOH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7
2.5°	1515.1	1515.1	1514.5	1513.0	1510.0	1510.0	1509.3	1507.1	1505.6	1504.8	1504.8
5°	1507.7	1504.8	1501.9	1493.7	1493.7	1492.3	1487.8	1484.9	1483.3	1479.6	1478.2
7.5°	1501.1	1492.3	1487.0	1481.8	1475.2	1472.2	1467.1	1464.8	1459.7	1456.0	1453.7
10°	1484.9	1478.9	1472.2	1464.1	1458.9	1453.0	1447.1	1442.6	1436.0	1432.2	1429.3
12.5°	1473.8	1464.8	1458.9	1450.0	1441.2	1436.0	1427.8	1422.7	1415.9	1408.5	1404.1
15°	1463.4	1453.7	1445.6	1436.0	1426.4	1420.4	1410.8	1404.8	1395.2	1387.8	1382.6
17.5°	1447.8	1439.7	1430.7	1419.0	1410.1	1402.6	1392.3	1384.9	1376.0	1366.4	1361.1
20°	1431.5	1421.9	1413.0	1401.1	1392.3	1383.4	1373.0	1364.9	1354.5	1345.6	1339.7
22.5°	1410.1	1398.9	1391.5	1379.6	1369.3	1359.7	1350.0	1340.4	1330.9	1323.3	1316.7
25°	1378.9	1367.1	1359.0	1349.3	1339.7	1332.3	1320.4	1314.5	1304.8	1298.2	1291.5
27.5°	1334.4	1325.6	1318.2	1308.5	1300.5	1294.5	1285.7	1279.7	1271.6	1265.6	1260.5
30°	1269.3	1261.9	1255.3	1245.7	1239.7	1234.6	1226.4	1221.2	1215.3	1208.6	1207.1
32.5°	1182.0	1176.0	1169.3	1162.7	1158.2	1155.3	1148.6	1145.7	1139.7	1136.0	1132.3
35°	1050.2	1044.9	1041.3	1038.3	1036.8	1037.5	1036.0	1039.1	1040.5	1039.7	1040.5
37.5°	877.6	874.6	876.1	878.3	885.7	895.3	904.2	917.5	926.4	935.4	943.4
40°	685.0	687.3	693.1	706.5	725.7	747.3	767.2	792.4	817.5	835.4	851.6
42.5°	516.9	523.6	538.4	557.7	586.5	618.3	649.5	686.5	716.9	746.5	767.2
45°	388.8	397.6	416.9	443.6	475.4	512.5	551.8	593.2	629.4	659.8	682.8
47.5°	302.9	311.1	330.4	358.5	397.6	436.2	476.9	519.9	557.7	587.3	607.2
50°	239.2	249.5	266.6	296.3	335.5	376.2	418.5	460.6	496.2	521.4	539.1
52.5°	188.1	197.7	214.0	245.2	285.2	325.9	365.1	406.6	437.6	462.1	474.0
55°	145.8	154.8	171.8	197.7	235.5	275.5	314.8	350.3	379.1	396.9	408.0
57.5°	111.1	117.7	129.6	155.5	189.6	226.6	260.0	295.5	317.7	330.4	337.6
60°	84.4	89.6	102.2	122.2	153.2	185.2	213.3	240.0	257.7	268.1	275.5
62.5°	63.7	69.6	78.5	95.5	119.2	145.2	168.8	188.9	203.7	210.3	215.5
65°	43.7	48.1	54.8	68.2	88.1	106.6	125.2	140.0	149.7	157.1	160.0
67.5°	32.6	35.5	39.2	49.7	63.7	78.5	91.0	101.5	111.9	114.8	119.9
70°	24.4	26.7	30.4	37.8	46.0	56.3	66.7	72.5	80.0	85.2	86.7
72.5°	15.6	16.3	20.0	24.4	31.1	37.8	44.4	49.7	54.0	57.1	58.5
75°	8.9	13.3	13.3	17.8	22.2	25.2	29.6	33.3	35.5	37.8	37.8
77.5°	5.9	8.2	8.9	11.1	13.3	17.0	20.7	23.0	25.2	25.9	25.9
80°	5.2	5.9	5.9	8.2	9.6	12.6	14.8	15.6	17.0	17.8	19.3
82.5°	2.2	2.9	3.7	5.9	6.7	6.7	8.9	9.6	11.1	11.9	11.9
85°	0.8	1.5	1.5	2.2	3.7	4.5	5.2	5.9	6.7	6.7	7.4
87.5°	0.8	0.8	0.0	0.8	1.5	1.5	2.9	2.9	2.9	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: P244587

CATALOG NUMBER: LD8B30D010 ER8B30930 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7	1516.7
2.5°	1503.4	1504.0	1501.1	1500.3	1498.9	1499.7	1501.1
5°	1475.9	1476.7	1473.8	1470.8	1470.8	1470.0	1470.8
7.5°	1450.0	1450.8	1446.3	1444.9	1441.8	1442.6	1442.6
10°	1424.1	1424.1	1417.5	1416.7	1414.5	1413.7	1413.7
12.5°	1398.9	1396.7	1391.5	1388.6	1390.0	1385.6	1385.6
15°	1376.7	1373.0	1366.4	1364.1	1360.4	1359.0	1359.0
17.5°	1353.7	1350.8	1344.9	1340.4	1336.0	1335.2	1336.0
20°	1331.5	1328.6	1321.2	1318.2	1314.5	1314.5	1313.0
22.5°	1309.3	1306.3	1299.7	1297.4	1292.3	1292.3	1293.1
25°	1286.3	1284.1	1276.7	1275.2	1274.6	1271.6	1273.0
27.5°	1255.3	1253.7	1247.9	1245.7	1242.6	1242.0	1243.4
30°	1198.2	1196.0	1191.6	1189.4	1184.2	1184.9	1186.4
32.5°	1127.2	1124.1	1118.2	1116.1	1111.6	1110.1	1110.8
35°	1038.3	1036.0	1030.9	1030.9	1026.4	1024.9	1026.4
37.5°	947.9	950.2	947.9	950.2	947.9	947.1	947.9
40°	862.7	870.9	872.4	880.5	877.6	882.0	881.3
42.5°	781.3	794.6	799.8	806.4	805.0	808.0	810.1
45°	699.1	710.2	715.4	719.8	720.6	722.0	722.8
47.5°	621.4	630.2	630.9	636.2	635.4	635.4	637.6
50°	548.7	554.7	556.1	559.8	556.9	555.5	556.1
52.5°	481.4	487.3	485.8	487.3	483.6	482.1	482.8
55°	412.5	415.4	415.4	415.4	411.1	411.1	411.1
57.5°	342.1	342.9	341.5	342.1	341.5	337.0	336.2
60°	277.7	277.7	277.0	277.7	275.5	273.3	273.3
62.5°	217.0	218.5	221.4	218.5	217.0	218.5	216.2
65°	162.2	165.1	164.3	165.9	165.1	165.1	163.7
67.5°	122.2	123.0	123.6	124.4	124.4	124.4	124.4
70°	89.6	91.8	91.0	91.0	91.0	91.0	95.5
72.5°	60.0	63.0	62.2	63.7	63.7	65.1	63.7
75°	40.7	43.7	42.3	44.4	43.7	42.3	46.0
77.5°	27.4	28.9	29.6	30.4	29.6	28.9	29.6
80°	19.3	20.7	20.0	20.7	20.7	20.7	21.5
82.5°	11.9	14.1	13.3	14.1	13.3	14.1	14.1
85°	8.2	8.9	7.4	8.9	8.2	8.2	9.6
87.5°	5.2	4.5	4.5	5.2	4.5	5.2	4.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)