

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: P245865

Luminaire Tested: **LD8B30D010 ER8B30940 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245865
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 ER8B30940 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 4000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2550.0 lumens
Efficiency: N/A
Efficacy: 94.1 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

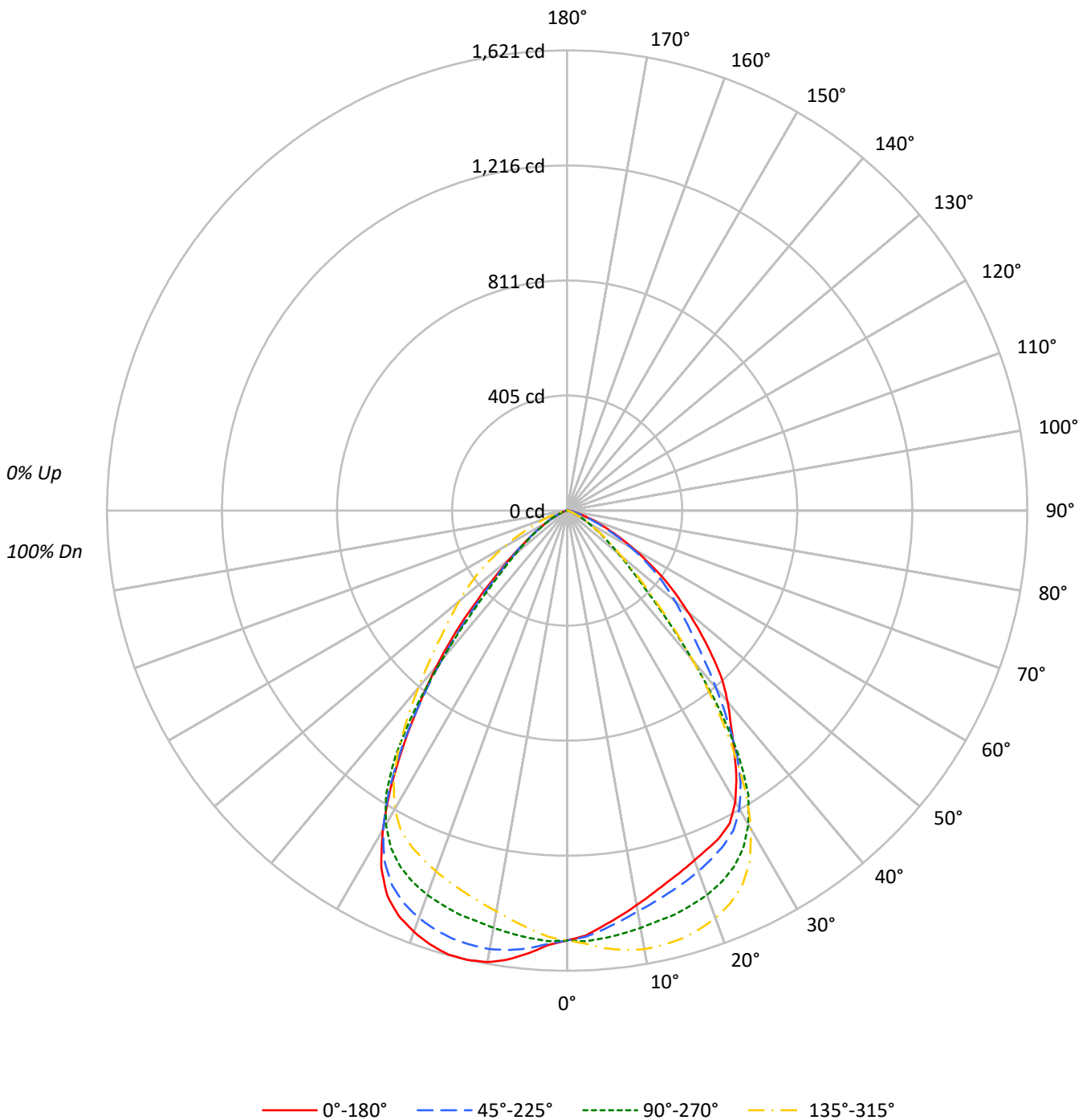
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	46683	46683	46683	46683
5°	45441	46790	48462	46790
10°	44184	46730	50572	46730
15°	43302	47008	51679	47008
20°	43008	47277	51812	47277
25°	43234	47181	50978	47181
30°	42165	45456	46271	45456
35°	38566	39651	37622	39651
40°	35407	27582	28802	27582
45°	31464	16829	19471	16829
50°	26630	11240	12483	11240
55°	22058	7672	8107	7672
60°	16824	5106	5150	5106
65°	11922	3181	2911	3181
70°	8601	2128	1938	2128
75°	5457	1060	882	1060
80°	3818	781	657	781
85°	3397	0	248	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.1	5.7
10°-20°	417.3	16.4
20°-30°	631.8	24.8
30°-40°	633.2	24.8
40°-50°	397.6	15.6
50°-60°	211.9	8.3
60°-70°	87.1	3.4
70°-80°	23.0	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°	1193.2	46.8
0°-40°	1826.4	71.6
0°-60°	2436.0	95.5
0°-90°	2550.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2550.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1514	1514	1514	1514	1514	
5°	1468	1512	1566	1512	1468	138
15°	1356	1472	1619	1472	1356	384
25°	1271	1387	1498	1387	1271	583
35°	1024	1053	999	1053	1024	642
45°	722	386	446	386	722	555
55°	410	143	151	143	410	366
65°	163	44	40	44	163	169
75°	46	9	7	9	46	52
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°	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9
2.5°	1498.3	1496.8	1496.1	1497.6	1498.3	1501.3	1500.6	1502.0	1502.0	1502.8	1504.2
5°	1468.0	1467.3	1468.0	1468.0	1471.0	1473.9	1473.2	1475.4	1476.9	1480.6	1482.1
7.5°	1440.0	1440.0	1439.2	1442.1	1443.6	1448.1	1447.3	1451.0	1453.2	1456.9	1462.1
10°	1411.1	1411.1	1411.8	1414.1	1414.8	1421.5	1421.5	1426.6	1429.6	1433.3	1440.0
12.5°	1383.0	1383.0	1387.5	1386.0	1388.9	1394.1	1396.3	1401.5	1405.9	1413.3	1420.0
15°	1356.4	1356.4	1357.9	1361.6	1363.8	1370.5	1374.1	1380.1	1385.2	1392.6	1402.3
17.5°	1333.5	1332.8	1333.5	1337.9	1342.4	1348.3	1351.2	1358.6	1363.8	1373.4	1382.3
20°	1310.6	1312.1	1312.1	1315.8	1318.7	1326.1	1329.0	1337.2	1343.1	1352.0	1362.3
22.5°	1290.6	1289.9	1289.9	1295.1	1297.3	1303.9	1306.9	1314.3	1320.9	1328.3	1337.9
25°	1270.7	1269.2	1272.2	1272.9	1274.3	1281.7	1284.0	1289.1	1295.8	1302.5	1312.1
27.5°	1241.1	1239.6	1240.4	1243.3	1245.5	1251.4	1252.9	1258.1	1263.3	1269.2	1277.3
30°	1184.2	1182.7	1182.0	1187.1	1189.4	1193.8	1196.0	1204.9	1206.3	1213.0	1218.9
32.5°	1108.8	1108.0	1109.5	1113.9	1116.2	1122.1	1125.0	1130.2	1133.9	1137.6	1143.5
35°	1024.5	1023.0	1024.5	1029.0	1029.0	1034.1	1036.4	1038.5	1037.8	1038.5	1037.1
37.5°	946.2	945.4	946.2	948.4	946.2	948.4	946.2	941.7	933.6	924.7	915.8
40°	879.6	880.4	876.0	878.9	870.7	869.3	861.2	850.1	833.8	816.1	790.9
42.5°	808.7	806.5	803.5	805.0	798.3	793.1	779.8	765.8	745.1	715.5	685.2
45°	721.5	720.7	719.2	718.5	714.1	708.9	697.8	681.5	658.6	628.3	592.1
47.5°	636.4	634.2	634.2	635.0	629.8	629.0	620.2	606.1	586.2	556.6	518.9
50°	555.1	554.4	555.9	558.8	555.1	553.7	547.8	538.1	520.4	495.3	459.8
52.5°	481.9	481.2	482.7	486.4	484.9	486.4	480.5	473.1	461.3	436.9	405.8
55°	410.3	410.3	410.3	414.7	414.7	414.7	411.7	407.3	396.2	378.5	349.7
57.5°	335.6	336.3	340.8	341.5	340.8	342.3	341.5	337.1	329.7	317.1	294.9
60°	272.8	272.8	275.0	277.2	276.4	277.2	277.2	275.0	267.6	257.2	239.5
62.5°	215.8	218.1	216.6	218.1	221.0	218.1	216.6	215.1	209.9	203.3	188.5
65°	163.4	164.8	164.8	165.6	164.1	164.8	161.9	159.7	156.7	149.3	139.7
67.5°	124.2	124.2	124.2	124.2	123.4	122.7	122.0	119.8	114.6	111.6	101.3
70°	95.4	90.9	90.9	90.9	90.9	91.7	89.5	86.5	85.0	79.8	72.4
72.5°	63.6	65.0	63.6	63.6	62.1	62.8	59.9	58.4	56.9	54.0	49.5
75°	45.8	42.1	43.6	44.4	42.1	43.6	40.6	37.7	37.7	35.5	33.3
77.5°	29.6	28.8	29.6	30.3	29.6	28.8	27.4	25.9	25.9	25.1	22.9
80°	21.5	20.7	20.7	20.7	20.0	20.7	19.2	19.2	17.7	17.0	15.5
82.5°	14.1	14.1	13.3	14.1	13.3	14.1	11.8	11.8	11.8	11.1	9.6
85°	9.6	8.1	8.1	8.9	7.4	8.9	8.1	7.4	6.7	6.7	5.9
87.5°	4.4	5.2	4.4	5.2	4.4	4.4	5.2	4.4	4.4	3.0	3.0
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°	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9
2.5°	1506.5	1507.2	1507.2	1510.2	1511.6	1512.4	1512.4	1518.3	1516.1	1517.6	1519.0
5°	1485.0	1489.5	1490.9	1490.9	1499.1	1502.0	1505.0	1511.6	1512.4	1516.8	1522.0
7.5°	1464.3	1469.5	1472.5	1479.1	1484.3	1489.5	1498.3	1502.8	1507.2	1513.1	1519.8
10°	1444.4	1450.3	1456.2	1461.4	1469.5	1476.2	1482.1	1492.4	1497.6	1505.7	1514.6
12.5°	1425.2	1433.3	1438.5	1447.3	1456.2	1462.1	1471.0	1480.6	1488.7	1496.8	1507.2
15°	1408.2	1417.8	1423.7	1433.3	1442.9	1451.0	1460.6	1472.5	1478.4	1488.0	1497.6
17.5°	1389.7	1400.0	1407.4	1416.3	1428.1	1437.0	1445.1	1456.9	1464.3	1474.7	1485.8
20°	1370.5	1380.8	1389.7	1398.5	1410.4	1419.2	1428.8	1440.7	1448.8	1459.1	1468.0
22.5°	1347.5	1357.2	1366.7	1377.1	1388.9	1396.3	1407.4	1417.8	1426.6	1436.2	1445.1
25°	1318.0	1329.8	1337.2	1346.8	1356.4	1364.5	1376.4	1386.7	1394.1	1403.0	1411.1
27.5°	1283.2	1292.1	1298.0	1306.1	1315.8	1323.1	1332.0	1342.4	1349.8	1357.9	1363.8
30°	1224.1	1232.2	1237.4	1243.3	1252.9	1259.6	1267.0	1276.6	1281.7	1287.7	1292.8
32.5°	1146.5	1153.1	1156.1	1160.5	1167.2	1173.8	1179.8	1187.9	1190.1	1193.8	1193.8
35°	1034.1	1035.6	1034.9	1036.4	1039.3	1043.0	1048.2	1053.3	1056.3	1056.3	1054.1
37.5°	902.5	893.7	884.1	876.7	874.5	873.0	876.0	878.1	881.1	882.6	878.9
40°	765.8	745.9	724.4	705.2	691.9	686.0	683.8	685.2	685.2	690.4	690.4
42.5°	648.3	617.2	585.4	556.6	537.4	522.6	516.0	516.0	516.7	520.4	522.6
45°	550.7	511.5	474.5	442.8	416.2	396.9	388.1	385.9	385.1	386.6	391.8
47.5°	476.0	435.4	396.9	357.8	329.7	310.5	302.3	299.4	296.4	299.4	300.1
50°	417.7	375.5	334.9	295.7	266.1	249.1	238.7	234.3	233.6	233.6	235.1
52.5°	364.4	325.2	284.6	244.7	213.6	197.4	187.8	185.5	182.6	185.5	185.5
55°	314.1	275.0	235.1	197.4	171.5	154.5	145.6	142.7	141.2	143.4	143.4
57.5°	259.5	226.2	189.2	155.2	129.4	117.5	110.9	107.2	106.4	107.9	106.4
60°	212.9	184.8	153.0	122.0	102.0	89.5	84.3	82.8	81.3	82.8	82.8
62.5°	168.5	144.9	119.0	95.4	78.3	69.5	63.6	63.6	62.8	62.8	63.6
65°	124.9	106.4	88.0	68.0	54.7	48.0	43.6	43.6	42.9	43.6	42.9
67.5°	90.9	78.3	63.6	49.5	39.2	35.5	32.5	30.3	31.8	30.3	29.6
70°	66.5	56.2	45.8	37.7	30.3	26.6	24.4	23.6	22.2	22.2	22.2
72.5°	44.4	37.7	31.0	24.4	20.0	16.2	15.5	14.1	12.6	13.3	14.8
75°	29.6	25.1	22.2	17.7	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	8.1	5.9	5.9	5.2	5.2	5.2
80°	14.8	12.6	9.6	8.1	5.9	5.9	5.2	4.4	3.7	3.7	4.4
82.5°	8.9	6.7	6.7	5.9	3.7	3.0	2.2	3.0	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°	3.0	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°	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9
2.5°	1522.7	1522.0	1523.5	1523.5	1527.9	1527.2	1529.4	1529.4	1527.9	1528.6	1531.6
5°	1527.9	1530.1	1534.5	1538.3	1544.9	1547.9	1551.6	1555.3	1556.0	1558.2	1560.4
7.5°	1527.9	1535.3	1540.5	1547.1	1556.0	1561.2	1569.3	1576.0	1578.9	1582.6	1587.0
10°	1524.9	1532.3	1541.9	1549.3	1560.4	1568.6	1576.7	1587.0	1591.5	1597.4	1603.3
12.5°	1519.0	1527.2	1537.5	1547.1	1559.7	1567.1	1577.4	1587.0	1593.7	1601.8	1608.5
15°	1510.2	1519.8	1529.4	1539.0	1552.3	1561.2	1570.8	1581.9	1588.5	1597.4	1603.3
17.5°	1496.1	1506.5	1515.3	1524.2	1536.8	1547.1	1556.0	1566.3	1573.0	1580.4	1588.5
20°	1479.1	1488.7	1498.3	1505.7	1518.3	1527.2	1536.8	1546.4	1551.6	1553.0	1565.6
22.5°	1457.7	1464.3	1471.7	1483.6	1490.9	1499.1	1508.0	1516.8	1522.0	1530.1	1534.5
25°	1422.2	1428.8	1437.0	1442.1	1451.0	1457.7	1466.5	1476.2	1479.1	1485.0	1489.5
27.5°	1372.7	1376.4	1380.1	1384.5	1389.7	1393.4	1398.5	1403.0	1405.9	1408.9	1411.8
30°	1294.3	1294.3	1294.3	1291.4	1293.6	1295.8	1296.5	1295.8	1295.8	1295.1	1295.1
32.5°	1190.8	1184.9	1178.3	1172.4	1170.1	1167.2	1165.7	1163.5	1159.8	1157.6	1158.3
35°	1051.1	1037.8	1029.7	1022.3	1016.4	1012.0	1009.7	1007.5	1006.8	1003.8	1000.8
37.5°	876.7	867.1	861.2	856.7	851.6	847.1	847.8	848.6	850.8	849.3	850.1
40°	691.9	689.7	691.9	686.7	685.2	686.7	690.4	695.6	698.5	701.5	706.7
42.5°	526.3	530.0	535.2	535.2	537.4	540.4	544.8	552.9	557.3	562.5	568.4
45°	396.2	400.6	407.3	409.5	411.0	414.7	419.9	426.5	429.5	433.9	439.1
47.5°	305.3	308.2	311.9	315.6	319.3	320.8	326.0	326.0	329.7	332.6	334.1
50°	238.0	241.0	243.9	246.1	247.6	249.9	251.3	253.5	254.3	255.8	256.5
52.5°	186.3	190.0	190.0	191.4	193.7	195.9	195.1	195.9	196.6	196.6	198.8
55°	145.6	145.6	147.8	147.8	149.3	148.6	149.3	149.3	149.3	149.3	150.1
57.5°	108.6	109.4	111.6	110.1	109.4	110.9	109.4	110.9	110.1	111.6	109.4
60°	83.5	83.5	84.3	84.3	85.0	85.0	85.0	84.3	84.3	83.5	83.5
62.5°	62.8	63.6	64.3	63.6	63.6	63.6	62.8	62.8	62.1	61.3	61.3
65°	42.1	41.4	42.9	41.4	42.1	42.1	41.4	42.1	39.9	40.6	39.9
67.5°	30.3	29.6	28.8	29.6	28.8	28.1	28.1	28.8	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	19.2	20.0
72.5°	12.6	12.6	12.6	12.6	12.6	13.3	13.3	13.3	11.8	11.8	11.1
75°	5.9	8.1	6.7	5.9	8.1	8.1	7.4	7.4	6.7	6.7	6.7
77.5°	5.9	4.4	4.4	4.4	4.4	4.4	4.4	4.4	3.7	4.4	3.7
80°	3.0	3.0	3.0	2.2	3.0	3.0	3.7	3.0	3.0	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: P245865

CATALOG NUMBER: LD8B30D010 ER8B30940 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9
2.5°	1530.9	1530.1	1530.9	1531.6	1530.9	1530.1	1530.9	1531.6	1528.6	1527.9	1529.4
5°	1563.4	1563.4	1564.8	1565.6	1564.8	1563.4	1563.4	1560.4	1558.2	1556.0	1555.3
7.5°	1591.5	1593.0	1594.4	1595.2	1594.4	1593.0	1591.5	1587.0	1582.6	1578.9	1576.0
10°	1608.5	1610.7	1613.7	1615.1	1613.7	1610.7	1608.5	1603.3	1597.4	1591.5	1587.0
12.5°	1615.9	1618.1	1621.8	1621.0	1621.8	1618.1	1615.9	1608.5	1601.8	1593.7	1587.0
15°	1610.7	1613.7	1617.3	1618.8	1617.3	1613.7	1610.7	1603.3	1597.4	1588.5	1581.9
17.5°	1594.4	1598.9	1601.1	1603.3	1601.1	1598.9	1594.4	1588.5	1580.4	1573.0	1566.3
20°	1572.2	1575.2	1578.2	1578.9	1578.2	1575.2	1572.2	1565.6	1553.0	1551.6	1546.4
22.5°	1540.5	1542.7	1549.3	1547.1	1549.3	1542.7	1540.5	1534.5	1530.1	1522.0	1516.8
25°	1494.6	1496.8	1497.6	1498.3	1497.6	1496.8	1494.6	1489.5	1485.0	1479.1	1476.2
27.5°	1415.5	1415.5	1417.0	1417.8	1417.0	1415.5	1415.5	1411.8	1408.9	1405.9	1403.0
30°	1295.8	1295.8	1295.8	1299.5	1295.8	1295.8	1295.8	1295.1	1295.1	1295.8	1295.8
32.5°	1157.6	1156.1	1154.6	1156.1	1154.6	1156.1	1157.6	1158.3	1157.6	1159.8	1163.5
35°	1000.8	1000.1	1002.3	999.4	1002.3	1000.1	1000.8	1000.8	1003.8	1006.8	1007.5
37.5°	850.8	849.3	852.3	849.3	852.3	849.3	850.8	850.1	849.3	850.8	848.6
40°	708.2	709.6	709.6	715.5	709.6	709.6	708.2	706.7	701.5	698.5	695.6
42.5°	571.4	575.8	574.3	578.8	574.3	575.8	571.4	568.4	562.5	557.3	552.9
45°	442.0	445.0	445.0	446.5	445.0	445.0	442.0	439.1	433.9	429.5	426.5
47.5°	339.3	339.3	339.3	340.0	339.3	339.3	339.3	334.1	332.6	329.7	326.0
50°	258.0	258.7	259.5	260.2	259.5	258.7	258.0	256.5	255.8	254.3	253.5
52.5°	198.1	198.8	197.4	198.8	197.4	198.8	198.1	198.8	196.6	196.6	195.9
55°	150.1	149.3	150.1	150.8	150.1	149.3	150.1	150.1	149.3	149.3	149.3
57.5°	110.1	108.6	108.6	108.6	108.6	108.6	110.1	109.4	111.6	110.1	110.9
60°	82.1	82.8	82.8	83.5	82.8	82.8	82.1	83.5	83.5	84.3	84.3
62.5°	60.6	62.8	61.3	62.8	61.3	62.8	60.6	61.3	61.3	62.1	62.8
65°	39.2	39.2	39.2	39.9	39.2	39.2	39.2	39.9	40.6	39.9	42.1
67.5°	26.6	27.4	28.8	28.1	28.8	27.4	26.6	27.4	27.4	29.6	28.8
70°	21.5	19.2	19.2	21.5	19.2	19.2	21.5	20.0	19.2	20.7	20.0
72.5°	12.6	11.1	12.6	12.6	12.6	11.1	12.6	11.1	11.8	11.8	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°	4.4	3.7	5.2	5.2	5.2	3.7	4.4	3.7	4.4	3.7	4.4
80°	2.2	3.0	2.2	3.7	2.2	3.0	2.2	3.7	2.2	3.0	3.0
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: P245865

CATALOG NUMBER: LD8B30D010 ER8B30940 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9
2.5°	1529.4	1527.2	1527.9	1523.5	1523.5	1522.0	1522.7	1519.0	1517.6	1516.1	1518.3
5°	1551.6	1547.9	1544.9	1538.3	1534.5	1530.1	1527.9	1522.0	1516.8	1512.4	1511.6
7.5°	1569.3	1561.2	1556.0	1547.1	1540.5	1535.3	1527.9	1519.8	1513.1	1507.2	1502.8
10°	1576.7	1568.6	1560.4	1549.3	1541.9	1532.3	1524.9	1514.6	1505.7	1497.6	1492.4
12.5°	1577.4	1567.1	1559.7	1547.1	1537.5	1527.2	1519.0	1507.2	1496.8	1488.7	1480.6
15°	1570.8	1561.2	1552.3	1539.0	1529.4	1519.8	1510.2	1497.6	1488.0	1478.4	1472.5
17.5°	1556.0	1547.1	1536.8	1524.2	1515.3	1506.5	1496.1	1485.8	1474.7	1464.3	1456.9
20°	1536.8	1527.2	1518.3	1505.7	1498.3	1488.7	1479.1	1468.0	1459.1	1448.8	1440.7
22.5°	1508.0	1499.1	1490.9	1483.6	1471.7	1464.3	1457.7	1445.1	1436.2	1426.6	1417.8
25°	1466.5	1457.7	1451.0	1442.1	1437.0	1428.8	1422.2	1411.1	1403.0	1394.1	1386.7
27.5°	1398.5	1393.4	1389.7	1384.5	1380.1	1376.4	1372.7	1363.8	1357.9	1349.8	1342.4
30°	1296.5	1295.8	1293.6	1291.4	1294.3	1294.3	1294.3	1292.8	1287.7	1281.7	1276.6
32.5°	1165.7	1167.2	1170.1	1172.4	1178.3	1184.9	1190.8	1193.8	1193.8	1190.1	1187.9
35°	1009.7	1012.0	1016.4	1022.3	1029.7	1037.8	1051.1	1054.1	1056.3	1056.3	1053.3
37.5°	847.8	847.1	851.6	856.7	861.2	867.1	876.7	878.9	882.6	881.1	878.1
40°	690.4	686.7	685.2	686.7	691.9	689.7	691.9	690.4	690.4	685.2	685.2
42.5°	544.8	540.4	537.4	535.2	535.2	530.0	526.3	522.6	520.4	516.7	516.0
45°	419.9	414.7	411.0	409.5	407.3	400.6	396.2	391.8	386.6	385.1	385.9
47.5°	326.0	320.8	319.3	315.6	311.9	308.2	305.3	300.1	299.4	296.4	299.4
50°	251.3	249.9	247.6	246.1	243.9	241.0	238.0	235.1	233.6	233.6	234.3
52.5°	195.1	195.9	193.7	191.4	190.0	190.0	186.3	185.5	185.5	182.6	185.5
55°	149.3	148.6	149.3	147.8	147.8	145.6	145.6	143.4	143.4	141.2	142.7
57.5°	109.4	110.9	109.4	110.1	111.6	109.4	108.6	106.4	107.9	106.4	107.2
60°	85.0	85.0	85.0	84.3	84.3	83.5	83.5	82.8	82.8	81.3	82.8
62.5°	62.8	63.6	63.6	63.6	64.3	63.6	62.8	63.6	62.8	62.8	63.6
65°	41.4	42.1	42.1	41.4	42.9	41.4	42.1	42.9	43.6	42.9	43.6
67.5°	28.1	28.1	28.8	29.6	28.8	29.6	30.3	29.6	30.3	31.8	30.3
70°	20.7	21.5	21.5	20.7	20.0	20.7	20.0	22.2	22.2	22.2	23.6
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	8.1	8.1	5.9	6.7	8.1	5.9	6.7	8.9	7.4	8.9
77.5°	4.4	4.4	4.4	4.4	4.4	4.4	5.9	5.2	5.2	5.2	5.9
80°	3.7	3.0	3.0	2.2	3.0	3.0	3.0	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	3.0
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: P245865

CATALOG NUMBER: LD8B30D010 ER8B30940 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9
2.5°	1512.4	1512.4	1511.6	1510.2	1507.2	1507.2	1506.5	1504.2	1502.8	1502.0	1502.0
5°	1505.0	1502.0	1499.1	1490.9	1490.9	1489.5	1485.0	1482.1	1480.6	1476.9	1475.4
7.5°	1498.3	1489.5	1484.3	1479.1	1472.5	1469.5	1464.3	1462.1	1456.9	1453.2	1451.0
10°	1482.1	1476.2	1469.5	1461.4	1456.2	1450.3	1444.4	1440.0	1433.3	1429.6	1426.6
12.5°	1471.0	1462.1	1456.2	1447.3	1438.5	1433.3	1425.2	1420.0	1413.3	1405.9	1401.5
15°	1460.6	1451.0	1442.9	1433.3	1423.7	1417.8	1408.2	1402.3	1392.6	1385.2	1380.1
17.5°	1445.1	1437.0	1428.1	1416.3	1407.4	1400.0	1389.7	1382.3	1373.4	1363.8	1358.6
20°	1428.8	1419.2	1410.4	1398.5	1389.7	1380.8	1370.5	1362.3	1352.0	1343.1	1337.2
22.5°	1407.4	1396.3	1388.9	1377.1	1366.7	1357.2	1347.5	1337.9	1328.3	1320.9	1314.3
25°	1376.4	1364.5	1356.4	1346.8	1337.2	1329.8	1318.0	1312.1	1302.5	1295.8	1289.1
27.5°	1332.0	1323.1	1315.8	1306.1	1298.0	1292.1	1283.2	1277.3	1269.2	1263.3	1258.1
30°	1267.0	1259.6	1252.9	1243.3	1237.4	1232.2	1224.1	1218.9	1213.0	1206.3	1204.9
32.5°	1179.8	1173.8	1167.2	1160.5	1156.1	1153.1	1146.5	1143.5	1137.6	1133.9	1130.2
35°	1048.2	1043.0	1039.3	1036.4	1034.9	1035.6	1034.1	1037.1	1038.5	1037.8	1038.5
37.5°	876.0	873.0	874.5	876.7	884.1	893.7	902.5	915.8	924.7	933.6	941.7
40°	683.8	686.0	691.9	705.2	724.4	745.9	765.8	790.9	816.1	833.8	850.1
42.5°	516.0	522.6	537.4	556.6	585.4	617.2	648.3	685.2	715.5	745.1	765.8
45°	388.1	396.9	416.2	442.8	474.5	511.5	550.7	592.1	628.3	658.6	681.5
47.5°	302.3	310.5	329.7	357.8	396.9	435.4	476.0	518.9	556.6	586.2	606.1
50°	238.7	249.1	266.1	295.7	334.9	375.5	417.7	459.8	495.3	520.4	538.1
52.5°	187.8	197.4	213.6	244.7	284.6	325.2	364.4	405.8	436.9	461.3	473.1
55°	145.6	154.5	171.5	197.4	235.1	275.0	314.1	349.7	378.5	396.2	407.3
57.5°	110.9	117.5	129.4	155.2	189.2	226.2	259.5	294.9	317.1	329.7	337.1
60°	84.3	89.5	102.0	122.0	153.0	184.8	212.9	239.5	257.2	267.6	275.0
62.5°	63.6	69.5	78.3	95.4	119.0	144.9	168.5	188.5	203.3	209.9	215.1
65°	43.6	48.0	54.7	68.0	88.0	106.4	124.9	139.7	149.3	156.7	159.7
67.5°	32.5	35.5	39.2	49.5	63.6	78.3	90.9	101.3	111.6	114.6	119.8
70°	24.4	26.6	30.3	37.7	45.8	56.2	66.5	72.4	79.8	85.0	86.5
72.5°	15.5	16.2	20.0	24.4	31.0	37.7	44.4	49.5	54.0	56.9	58.4
75°	8.9	13.3	13.3	17.7	22.2	25.1	29.6	33.3	35.5	37.7	37.7
77.5°	5.9	8.1	8.9	11.1	13.3	17.0	20.7	22.9	25.1	25.9	25.9
80°	5.2	5.9	5.9	8.1	9.6	12.6	14.8	15.5	17.0	17.7	19.2
82.5°	2.2	3.0	3.7	5.9	6.7	6.7	8.9	9.6	11.1	11.8	11.8
85°	0.7	1.5	1.5	2.2	3.7	4.4	5.2	5.9	6.7	6.7	7.4
87.5°	0.7	0.7	0.0	0.7	1.5	1.5	3.0	3.0	3.0	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: P245865

CATALOG NUMBER: LD8B30D010 ER8B30940 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9	1513.9
2.5°	1500.6	1501.3	1498.3	1497.6	1496.1	1496.8	1498.3
5°	1473.2	1473.9	1471.0	1468.0	1468.0	1467.3	1468.0
7.5°	1447.3	1448.1	1443.6	1442.1	1439.2	1440.0	1440.0
10°	1421.5	1421.5	1414.8	1414.1	1411.8	1411.1	1411.1
12.5°	1396.3	1394.1	1388.9	1386.0	1387.5	1383.0	1383.0
15°	1374.1	1370.5	1363.8	1361.6	1357.9	1356.4	1356.4
17.5°	1351.2	1348.3	1342.4	1337.9	1333.5	1332.8	1333.5
20°	1329.0	1326.1	1318.7	1315.8	1312.1	1312.1	1310.6
22.5°	1306.9	1303.9	1297.3	1295.1	1289.9	1289.9	1290.6
25°	1284.0	1281.7	1274.3	1272.9	1272.2	1269.2	1270.7
27.5°	1252.9	1251.4	1245.5	1243.3	1240.4	1239.6	1241.1
30°	1196.0	1193.8	1189.4	1187.1	1182.0	1182.7	1184.2
32.5°	1125.0	1122.1	1116.2	1113.9	1109.5	1108.0	1108.8
35°	1036.4	1034.1	1029.0	1029.0	1024.5	1023.0	1024.5
37.5°	946.2	948.4	946.2	948.4	946.2	945.4	946.2
40°	861.2	869.3	870.7	878.9	876.0	880.4	879.6
42.5°	779.8	793.1	798.3	805.0	803.5	806.5	808.7
45°	697.8	708.9	714.1	718.5	719.2	720.7	721.5
47.5°	620.2	629.0	629.8	635.0	634.2	634.2	636.4
50°	547.8	553.7	555.1	558.8	555.9	554.4	555.1
52.5°	480.5	486.4	484.9	486.4	482.7	481.2	481.9
55°	411.7	414.7	414.7	414.7	410.3	410.3	410.3
57.5°	341.5	342.3	340.8	341.5	340.8	336.3	335.6
60°	277.2	277.2	276.4	277.2	275.0	272.8	272.8
62.5°	216.6	218.1	221.0	218.1	216.6	218.1	215.8
65°	161.9	164.8	164.1	165.6	164.8	164.8	163.4
67.5°	122.0	122.7	123.4	124.2	124.2	124.2	124.2
70°	89.5	91.7	90.9	90.9	90.9	90.9	95.4
72.5°	59.9	62.8	62.1	63.6	63.6	65.0	63.6
75°	40.6	43.6	42.1	44.4	43.6	42.1	45.8
77.5°	27.4	28.8	29.6	30.3	29.6	28.8	29.6
80°	19.2	20.7	20.0	20.7	20.7	20.7	21.5
82.5°	11.8	14.1	13.3	14.1	13.3	14.1	14.1
85°	8.1	8.9	7.4	8.9	8.1	8.1	9.6
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)