

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: P245823

Luminaire Tested: **LD8B30D010 ER8B30830 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245823
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 ER8B30830 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 3000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2753.0 lumens
Efficiency: N/A
Efficacy: 101.6 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

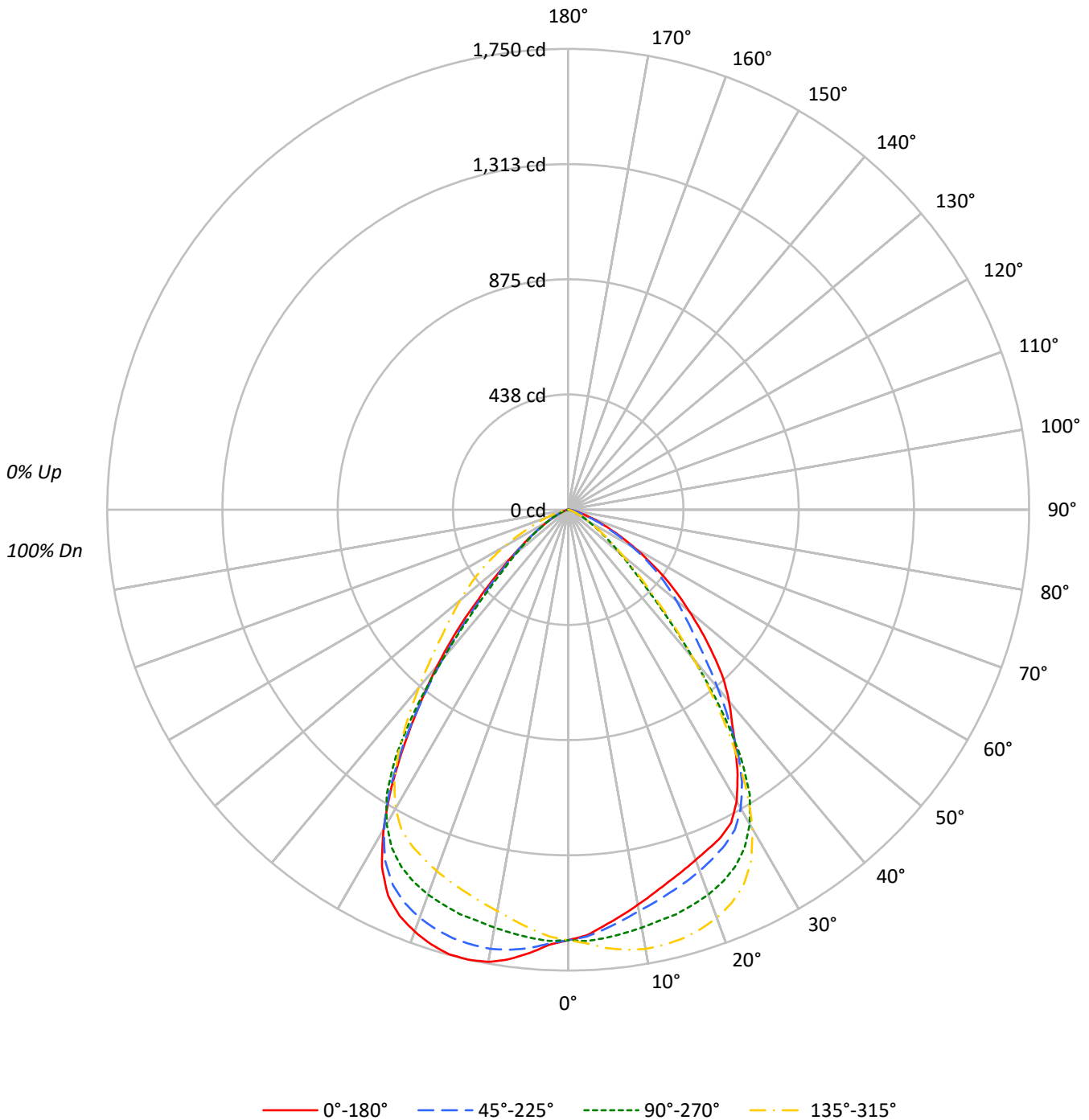
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	50399	50399	50399	50399
5°	49059	50517	52319	50517
10°	47701	50450	54599	50450
15°	46750	50750	55794	50750
20°	46430	51041	55937	51041
25°	46674	50937	55037	50937
30°	45520	49073	49956	49073
35°	41638	42809	40614	42809
40°	38229	29780	31096	29780
45°	33967	18168	21020	18168
50°	28750	12137	13476	12137
55°	23811	8279	8752	8279
60°	18163	5514	5563	5514
65°	12871	3437	3145	3437
70°	9277	2299	2092	2299
75°	5898	1144	953	1144
80°	4120	852	710	852
85°	3680	0	283	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.6	5.7
10°-20°	450.5	16.4
20°-30°	682.1	24.8
30°-40°	683.6	24.8
40°-50°	429.3	15.6
50°-60°	228.8	8.3
60°-70°	94.1	3.4
70°-80°	24.9	0.9
80°-90°	4.2	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°	1288.2	46.8
0°-40°	1971.8	71.6
0°-60°	2629.9	95.5
0°-90°	2753.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2753.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1634	1634	1634	1634	1634	
5°	1585	1632	1690	1632	1585	149
15°	1464	1590	1748	1590	1464	414
25°	1372	1497	1618	1497	1372	629
35°	1106	1137	1079	1137	1106	693
45°	779	417	482	417	779	599
55°	443	154	163	154	443	395
65°	176	47	43	47	176	183
75°	50	10	8	10	50	56
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°	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4
2.5°	1617.6	1616.0	1615.2	1616.8	1617.6	1620.8	1620.0	1621.6	1621.6	1622.4	1624.0
5°	1584.9	1584.1	1584.9	1584.9	1588.1	1591.3	1590.5	1592.9	1594.5	1598.5	1600.0
7.5°	1554.6	1554.6	1553.8	1556.9	1558.6	1563.4	1562.5	1566.5	1568.9	1572.9	1578.5
10°	1523.4	1523.4	1524.2	1526.6	1527.4	1534.6	1534.6	1540.2	1543.4	1547.4	1554.6
12.5°	1493.1	1493.1	1497.9	1496.3	1499.5	1505.1	1507.5	1513.1	1517.9	1525.8	1533.0
15°	1464.4	1464.4	1466.0	1470.0	1472.4	1479.6	1483.5	1489.9	1495.5	1503.5	1513.9
17.5°	1439.6	1438.9	1439.6	1444.4	1449.2	1455.6	1458.8	1466.8	1472.4	1482.7	1492.3
20°	1414.9	1416.5	1416.5	1420.5	1423.7	1431.7	1434.9	1443.7	1450.0	1459.6	1470.8
22.5°	1393.4	1392.6	1392.6	1398.2	1400.6	1407.7	1410.9	1418.9	1426.1	1434.1	1444.4
25°	1371.8	1370.2	1373.4	1374.2	1375.8	1383.8	1386.2	1391.8	1398.9	1406.1	1416.5
27.5°	1339.9	1338.3	1339.1	1342.3	1344.7	1351.1	1352.7	1358.3	1363.8	1370.2	1379.0
30°	1278.4	1276.9	1276.1	1281.7	1284.0	1288.8	1291.2	1300.8	1302.4	1309.6	1315.9
32.5°	1197.0	1196.2	1197.9	1202.6	1205.0	1211.4	1214.6	1220.2	1224.2	1228.2	1234.5
35°	1106.1	1104.5	1106.1	1110.9	1110.9	1116.5	1118.9	1121.2	1120.4	1121.2	1119.6
37.5°	1021.5	1020.7	1021.5	1023.9	1021.5	1023.9	1021.5	1016.7	1007.9	998.3	988.7
40°	949.7	950.4	945.7	948.9	940.1	938.5	929.7	917.7	900.2	881.0	853.9
42.5°	873.1	870.7	867.5	869.1	861.9	856.3	841.9	826.8	804.4	772.5	739.8
45°	778.9	778.1	776.5	775.7	770.9	765.3	753.3	735.8	711.1	678.3	639.2
47.5°	687.1	684.7	684.7	685.5	679.9	679.1	669.5	654.4	632.8	600.9	560.2
50°	599.3	598.5	600.1	603.3	599.3	597.7	591.4	581.0	561.8	534.7	496.4
52.5°	520.3	519.5	521.1	525.1	523.5	525.1	518.7	510.7	498.0	471.6	438.1
55°	442.9	442.9	442.9	447.7	447.7	447.7	444.5	439.7	427.7	408.6	377.5
57.5°	362.3	363.1	367.9	368.7	367.9	369.5	368.7	363.9	355.9	342.4	318.4
60°	294.5	294.5	296.9	299.3	298.5	299.3	299.3	296.9	288.9	277.7	258.6
62.5°	233.0	235.4	233.8	235.4	238.6	235.4	233.8	232.2	226.6	219.5	203.5
65°	176.4	178.0	178.0	178.8	177.1	178.0	174.8	172.4	169.2	161.2	150.8
67.5°	134.1	134.1	134.1	134.1	133.3	132.5	131.7	129.3	123.7	120.5	109.3
70°	102.9	98.1	98.1	98.1	98.1	99.0	96.6	93.4	91.8	86.2	78.2
72.5°	68.6	70.2	68.6	68.6	67.0	67.8	64.6	63.0	61.5	58.3	53.5
75°	49.5	45.5	47.1	47.9	45.5	47.1	43.9	40.7	40.7	38.3	35.9
77.5°	31.9	31.1	31.9	32.7	31.9	31.1	29.5	27.9	27.9	27.1	24.7
80°	23.2	22.3	22.3	22.3	21.5	22.3	20.8	20.8	19.2	18.4	16.8
82.5°	15.2	15.2	14.4	15.2	14.4	15.2	12.8	12.8	12.8	12.0	10.4
85°	10.4	8.8	8.8	9.6	8.0	9.6	8.8	8.0	7.2	7.2	6.4
87.5°	4.8	5.6	4.8	5.6	4.8	4.8	5.6	4.8	4.8	3.2	3.2
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°	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4
2.5°	1626.4	1627.2	1627.2	1630.4	1632.0	1632.8	1632.8	1639.2	1636.8	1638.4	1640.0
5°	1603.3	1608.0	1609.6	1609.6	1618.4	1621.6	1624.8	1632.0	1632.8	1637.6	1643.1
7.5°	1580.9	1586.5	1589.7	1596.9	1602.4	1608.0	1617.6	1622.4	1627.2	1633.6	1640.7
10°	1559.3	1565.8	1572.1	1577.7	1586.5	1593.7	1600.0	1611.2	1616.8	1625.6	1635.2
12.5°	1538.6	1547.4	1553.0	1562.5	1572.1	1578.5	1588.1	1598.5	1607.2	1616.0	1627.2
15°	1520.3	1530.6	1537.0	1547.4	1557.8	1566.5	1576.9	1589.7	1596.1	1606.4	1616.8
17.5°	1500.3	1511.5	1519.5	1529.0	1541.8	1551.4	1560.2	1572.9	1580.9	1592.1	1604.1
20°	1479.6	1490.7	1500.3	1509.9	1522.7	1532.2	1542.6	1555.4	1564.1	1575.3	1584.9
22.5°	1454.8	1465.2	1475.6	1486.7	1499.5	1507.5	1519.5	1530.6	1540.2	1550.6	1560.2
25°	1422.9	1435.7	1443.7	1454.0	1464.4	1473.2	1485.9	1497.1	1505.1	1514.7	1523.4
27.5°	1385.4	1395.0	1401.3	1410.1	1420.5	1428.5	1438.0	1449.2	1457.2	1466.0	1472.4
30°	1321.5	1330.3	1335.9	1342.3	1352.7	1359.9	1367.8	1378.2	1383.8	1390.2	1395.8
32.5°	1237.7	1244.9	1248.1	1252.9	1260.1	1267.3	1273.7	1282.4	1284.8	1288.8	1288.8
35°	1116.5	1118.0	1117.2	1118.9	1122.0	1126.0	1131.6	1137.2	1140.4	1140.4	1138.0
37.5°	974.4	964.8	954.5	946.5	944.1	942.5	945.7	948.0	951.3	952.8	948.9
40°	826.8	805.2	782.1	761.3	747.0	740.6	738.2	739.8	739.8	745.3	745.3
42.5°	699.9	666.3	632.1	600.9	580.2	564.2	557.0	557.0	557.8	561.8	564.2
45°	594.5	552.2	512.3	478.0	449.3	428.5	419.0	416.6	415.8	417.4	422.9
47.5°	513.9	470.1	428.5	386.3	355.9	335.2	326.4	323.2	320.0	323.2	324.0
50°	450.9	405.4	361.5	319.2	287.3	268.9	257.8	253.0	252.2	252.2	253.8
52.5°	393.4	351.1	307.3	264.2	230.6	213.1	202.7	200.3	197.1	200.3	200.3
55°	339.2	296.9	253.8	213.1	185.1	166.8	157.2	154.0	152.4	154.8	154.8
57.5°	280.1	244.2	204.3	167.6	139.7	126.9	119.7	115.7	114.9	116.5	114.9
60°	229.8	199.5	165.2	131.7	110.1	96.6	91.0	89.4	87.8	89.4	89.4
62.5°	181.9	156.4	128.5	102.9	84.6	75.0	68.6	68.6	67.8	67.8	68.6
65°	134.9	114.9	95.0	73.4	59.1	51.9	47.1	47.1	46.3	47.1	46.3
67.5°	98.1	84.6	68.6	53.5	42.3	38.3	35.1	32.7	34.3	32.7	31.9
70°	71.8	60.6	49.5	40.7	32.7	28.7	26.3	25.5	23.9	23.9	23.9
72.5°	47.9	40.7	33.5	26.3	21.5	17.5	16.8	15.2	13.6	14.4	16.0
75°	31.9	27.1	23.9	19.2	14.4	14.4	9.6	9.6	8.0	9.6	7.2
77.5°	22.3	18.4	14.4	12.0	9.6	8.8	6.4	6.4	5.6	5.6	5.6
80°	16.0	13.6	10.4	8.8	6.4	6.4	5.6	4.8	4.0	4.0	4.8
82.5°	9.6	7.2	7.2	6.4	4.0	3.2	2.4	3.2	1.6	1.6	1.6
85°	5.6	4.8	4.0	2.4	1.6	1.6	0.8	0.0	0.8	0.8	0.0
87.5°	3.2	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°	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4
2.5°	1644.0	1643.1	1644.7	1644.7	1649.5	1648.7	1651.1	1651.1	1649.5	1650.3	1653.5
5°	1649.5	1651.9	1656.7	1660.7	1667.9	1671.1	1675.1	1679.1	1679.9	1682.3	1684.7
7.5°	1649.5	1657.5	1663.1	1670.3	1679.9	1685.4	1694.2	1701.4	1704.6	1708.6	1713.4
10°	1646.3	1654.3	1664.7	1672.7	1684.7	1693.4	1702.2	1713.4	1718.2	1724.5	1730.9
12.5°	1640.0	1648.7	1659.9	1670.3	1683.8	1691.8	1703.0	1713.4	1720.6	1729.3	1736.5
15°	1630.4	1640.7	1651.1	1661.5	1675.9	1685.4	1695.8	1707.8	1715.0	1724.5	1730.9
17.5°	1615.2	1626.4	1636.0	1645.5	1659.1	1670.3	1679.9	1691.0	1698.2	1706.2	1715.0
20°	1596.9	1607.2	1617.6	1625.6	1639.2	1648.7	1659.1	1669.5	1675.1	1676.7	1690.2
22.5°	1573.7	1580.9	1588.9	1601.7	1609.6	1618.4	1628.0	1637.6	1643.1	1651.9	1656.7
25°	1535.4	1542.6	1551.4	1556.9	1566.5	1573.7	1583.3	1593.7	1596.9	1603.3	1608.0
27.5°	1482.0	1485.9	1489.9	1494.7	1500.3	1504.3	1509.9	1514.7	1517.9	1521.0	1524.2
30°	1397.3	1397.3	1397.3	1394.2	1396.6	1398.9	1399.7	1398.9	1398.9	1398.2	1398.2
32.5°	1285.6	1279.3	1272.1	1265.7	1263.3	1260.1	1258.5	1256.1	1252.1	1249.7	1250.5
35°	1134.8	1120.4	1111.7	1103.7	1097.3	1092.5	1090.1	1087.7	1086.9	1083.7	1080.5
37.5°	946.5	936.1	929.7	924.9	919.3	914.5	915.3	916.2	918.5	916.9	917.7
40°	747.0	744.6	747.0	741.4	739.8	741.4	745.3	751.0	754.1	757.3	762.9
42.5°	568.2	572.2	577.8	577.8	580.2	583.4	588.1	596.9	601.7	607.3	613.7
45°	427.7	432.5	439.7	442.1	443.7	447.7	453.3	460.5	463.6	468.4	474.0
47.5°	329.6	332.8	336.8	340.8	344.7	346.3	351.9	351.9	355.9	359.1	360.7
50°	257.0	260.2	263.3	265.7	267.3	269.7	271.3	273.7	274.5	276.1	276.9
52.5°	201.1	205.1	205.1	206.7	209.1	211.5	210.7	211.5	212.3	212.3	214.7
55°	157.2	157.2	159.6	159.6	161.2	160.4	161.2	161.2	161.2	161.2	162.0
57.5°	117.3	118.1	120.5	118.9	118.1	119.7	118.1	119.7	118.9	120.5	118.1
60°	90.2	90.2	91.0	91.0	91.8	91.8	91.8	91.0	91.0	90.2	90.2
62.5°	67.8	68.6	69.4	68.6	68.6	68.6	67.8	67.8	67.0	66.2	66.2
65°	45.5	44.7	46.3	44.7	45.5	45.5	44.7	45.5	43.1	43.9	43.1
67.5°	32.7	31.9	31.1	31.9	31.1	30.3	30.3	31.1	31.9	29.5	29.5
70°	21.5	22.3	21.5	22.3	23.2	23.2	22.3	21.5	22.3	20.8	21.5
72.5°	13.6	13.6	13.6	13.6	13.6	14.4	14.4	14.4	12.8	12.8	12.0
75°	6.4	8.8	7.2	6.4	8.8	8.8	8.0	8.0	7.2	7.2	7.2
77.5°	6.4	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.0	4.8	4.0
80°	3.2	3.2	3.2	2.4	3.2	3.2	4.0	3.2	3.2	2.4	4.0
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: P245823

CATALOG NUMBER: LD8B30D010 ER8B30830 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4
2.5°	1652.7	1651.9	1652.7	1653.5	1652.7	1651.9	1652.7	1653.5	1650.3	1649.5	1651.1
5°	1687.8	1687.8	1689.4	1690.2	1689.4	1687.8	1687.8	1684.7	1682.3	1679.9	1679.1
7.5°	1718.2	1719.8	1721.3	1722.1	1721.3	1719.8	1718.2	1713.4	1708.6	1704.6	1701.4
10°	1736.5	1738.9	1742.1	1743.7	1742.1	1738.9	1736.5	1730.9	1724.5	1718.2	1713.4
12.5°	1744.5	1746.9	1750.9	1750.1	1750.9	1746.9	1744.5	1736.5	1729.3	1720.6	1713.4
15°	1738.9	1742.1	1746.1	1747.7	1746.1	1742.1	1738.9	1730.9	1724.5	1715.0	1707.8
17.5°	1721.3	1726.1	1728.5	1730.9	1728.5	1726.1	1721.3	1715.0	1706.2	1698.2	1691.0
20°	1697.4	1700.6	1703.8	1704.6	1703.8	1700.6	1697.4	1690.2	1676.7	1675.1	1669.5
22.5°	1663.1	1665.5	1672.7	1670.3	1672.7	1665.5	1663.1	1656.7	1651.9	1643.1	1637.6
25°	1613.6	1616.0	1616.8	1617.6	1616.8	1616.0	1613.6	1608.0	1603.3	1596.9	1593.7
27.5°	1528.2	1528.2	1529.8	1530.6	1529.8	1528.2	1528.2	1524.2	1521.0	1517.9	1514.7
30°	1398.9	1398.9	1398.9	1403.0	1398.9	1398.9	1398.9	1398.2	1398.2	1398.9	1398.9
32.5°	1249.7	1248.1	1246.5	1248.1	1246.5	1248.1	1249.7	1250.5	1249.7	1252.1	1256.1
35°	1080.5	1079.7	1082.1	1078.9	1082.1	1079.7	1080.5	1080.5	1083.7	1086.9	1087.7
37.5°	918.5	916.9	920.1	916.9	920.1	916.9	918.5	917.7	916.9	918.5	916.2
40°	764.5	766.1	766.1	772.5	766.1	766.1	764.5	762.9	757.3	754.1	751.0
42.5°	616.9	621.7	620.1	624.9	620.1	621.7	616.9	613.7	607.3	601.7	596.9
45°	477.2	480.4	480.4	482.0	480.4	480.4	477.2	474.0	468.4	463.6	460.5
47.5°	366.3	366.3	366.3	367.1	366.3	366.3	366.3	360.7	359.1	355.9	351.9
50°	278.5	279.3	280.1	280.9	280.1	279.3	278.5	276.9	276.1	274.5	273.7
52.5°	213.9	214.7	213.1	214.7	213.1	214.7	213.9	214.7	212.3	212.3	211.5
55°	162.0	161.2	162.0	162.8	162.0	161.2	162.0	162.0	161.2	161.2	161.2
57.5°	118.9	117.3	117.3	117.3	117.3	117.3	118.9	118.1	120.5	118.9	119.7
60°	88.6	89.4	89.4	90.2	89.4	89.4	88.6	90.2	90.2	91.0	91.0
62.5°	65.4	67.8	66.2	67.8	66.2	67.8	65.4	66.2	66.2	67.0	67.8
65°	42.3	42.3	42.3	43.1	42.3	42.3	42.3	43.1	43.9	43.1	45.5
67.5°	28.7	29.5	31.1	30.3	31.1	29.5	28.7	29.5	29.5	31.9	31.1
70°	23.2	20.8	20.8	23.2	20.8	20.8	23.2	21.5	20.8	22.3	21.5
72.5°	13.6	12.0	13.6	13.6	13.6	12.0	13.6	12.0	12.8	12.8	14.4
75°	7.2	6.4	5.6	8.0	5.6	6.4	7.2	7.2	7.2	7.2	8.0
77.5°	4.8	4.0	5.6	5.6	5.6	4.0	4.8	4.0	4.8	4.0	4.8
80°	2.4	3.2	2.4	4.0	2.4	3.2	2.4	4.0	2.4	3.2	3.2
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: P245823

CATALOG NUMBER: LD8B30D010 ER8B30830 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4
2.5°	1651.1	1648.7	1649.5	1644.7	1644.7	1643.1	1644.0	1640.0	1638.4	1636.8	1639.2
5°	1675.1	1671.1	1667.9	1660.7	1656.7	1651.9	1649.5	1643.1	1637.6	1632.8	1632.0
7.5°	1694.2	1685.4	1679.9	1670.3	1663.1	1657.5	1649.5	1640.7	1633.6	1627.2	1622.4
10°	1702.2	1693.4	1684.7	1672.7	1664.7	1654.3	1646.3	1635.2	1625.6	1616.8	1611.2
12.5°	1703.0	1691.8	1683.8	1670.3	1659.9	1648.7	1640.0	1627.2	1616.0	1607.2	1598.5
15°	1695.8	1685.4	1675.9	1661.5	1651.1	1640.7	1630.4	1616.8	1606.4	1596.1	1589.7
17.5°	1679.9	1670.3	1659.1	1645.5	1636.0	1626.4	1615.2	1604.1	1592.1	1580.9	1572.9
20°	1659.1	1648.7	1639.2	1625.6	1617.6	1607.2	1596.9	1584.9	1575.3	1564.1	1555.4
22.5°	1628.0	1618.4	1609.6	1601.7	1588.9	1580.9	1573.7	1560.2	1550.6	1540.2	1530.6
25°	1583.3	1573.7	1566.5	1556.9	1551.4	1542.6	1535.4	1523.4	1514.7	1505.1	1497.1
27.5°	1509.9	1504.3	1500.3	1494.7	1489.9	1485.9	1482.0	1472.4	1466.0	1457.2	1449.2
30°	1399.7	1398.9	1396.6	1394.2	1397.3	1397.3	1397.3	1395.8	1390.2	1383.8	1378.2
32.5°	1258.5	1260.1	1263.3	1265.7	1272.1	1279.3	1285.6	1288.8	1288.8	1284.8	1282.4
35°	1090.1	1092.5	1097.3	1103.7	1111.7	1120.4	1134.8	1138.0	1140.4	1140.4	1137.2
37.5°	915.3	914.5	919.3	924.9	929.7	936.1	946.5	948.9	952.8	951.3	948.0
40°	745.3	741.4	739.8	741.4	747.0	744.6	747.0	745.3	745.3	739.8	739.8
42.5°	588.1	583.4	580.2	577.8	577.8	572.2	568.2	564.2	561.8	557.8	557.0
45°	453.3	447.7	443.7	442.1	439.7	432.5	427.7	422.9	417.4	415.8	416.6
47.5°	351.9	346.3	344.7	340.8	336.8	332.8	329.6	324.0	323.2	320.0	323.2
50°	271.3	269.7	267.3	265.7	263.3	260.2	257.0	253.8	252.2	252.2	253.0
52.5°	210.7	211.5	209.1	206.7	205.1	205.1	201.1	200.3	200.3	197.1	200.3
55°	161.2	160.4	161.2	159.6	159.6	157.2	157.2	154.8	154.8	152.4	154.0
57.5°	118.1	119.7	118.1	118.9	120.5	118.1	117.3	114.9	116.5	114.9	115.7
60°	91.8	91.8	91.8	91.0	91.0	90.2	90.2	89.4	89.4	87.8	89.4
62.5°	67.8	68.6	68.6	68.6	69.4	68.6	67.8	68.6	67.8	67.8	68.6
65°	44.7	45.5	45.5	44.7	46.3	44.7	45.5	46.3	47.1	46.3	47.1
67.5°	30.3	30.3	31.1	31.9	31.1	31.9	32.7	31.9	32.7	34.3	32.7
70°	22.3	23.2	23.2	22.3	21.5	22.3	21.5	23.9	23.9	23.9	25.5
72.5°	14.4	14.4	13.6	13.6	13.6	13.6	13.6	16.0	14.4	13.6	15.2
75°	8.0	8.8	8.8	6.4	7.2	8.8	6.4	7.2	9.6	8.0	9.6
77.5°	4.8	4.8	4.8	4.8	4.8	4.8	6.4	5.6	5.6	5.6	6.4
80°	4.0	3.2	3.2	2.4	3.2	3.2	3.2	4.8	4.0	4.0	4.8
82.5°	1.6	1.6	0.8	0.0	1.6	1.6	1.6	1.6	1.6	1.6	3.2
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: P245823

CATALOG NUMBER: LD8B30D010 ER8B30830 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4
2.5°	1632.8	1632.8	1632.0	1630.4	1627.2	1627.2	1626.4	1624.0	1622.4	1621.6	1621.6
5°	1624.8	1621.6	1618.4	1609.6	1609.6	1608.0	1603.3	1600.0	1598.5	1594.5	1592.9
7.5°	1617.6	1608.0	1602.4	1596.9	1589.7	1586.5	1580.9	1578.5	1572.9	1568.9	1566.5
10°	1600.0	1593.7	1586.5	1577.7	1572.1	1565.8	1559.3	1554.6	1547.4	1543.4	1540.2
12.5°	1588.1	1578.5	1572.1	1562.5	1553.0	1547.4	1538.6	1533.0	1525.8	1517.9	1513.1
15°	1576.9	1566.5	1557.8	1547.4	1537.0	1530.6	1520.3	1513.9	1503.5	1495.5	1489.9
17.5°	1560.2	1551.4	1541.8	1529.0	1519.5	1511.5	1500.3	1492.3	1482.7	1472.4	1466.8
20°	1542.6	1532.2	1522.7	1509.9	1500.3	1490.7	1479.6	1470.8	1459.6	1450.0	1443.7
22.5°	1519.5	1507.5	1499.5	1486.7	1475.6	1465.2	1454.8	1444.4	1434.1	1426.1	1418.9
25°	1485.9	1473.2	1464.4	1454.0	1443.7	1435.7	1422.9	1416.5	1406.1	1398.9	1391.8
27.5°	1438.0	1428.5	1420.5	1410.1	1401.3	1395.0	1385.4	1379.0	1370.2	1363.8	1358.3
30°	1367.8	1359.9	1352.7	1342.3	1335.9	1330.3	1321.5	1315.9	1309.6	1302.4	1300.8
32.5°	1273.7	1267.3	1260.1	1252.9	1248.1	1244.9	1237.7	1234.5	1228.2	1224.2	1220.2
35°	1131.6	1126.0	1122.0	1118.9	1117.2	1118.0	1116.5	1119.6	1121.2	1120.4	1121.2
37.5°	945.7	942.5	944.1	946.5	954.5	964.8	974.4	988.7	998.3	1007.9	1016.7
40°	738.2	740.6	747.0	761.3	782.1	805.2	826.8	853.9	881.0	900.2	917.7
42.5°	557.0	564.2	580.2	600.9	632.1	666.3	699.9	739.8	772.5	804.4	826.8
45°	419.0	428.5	449.3	478.0	512.3	552.2	594.5	639.2	678.3	711.1	735.8
47.5°	326.4	335.2	355.9	386.3	428.5	470.1	513.9	560.2	600.9	632.8	654.4
50°	257.8	268.9	287.3	319.2	361.5	405.4	450.9	496.4	534.7	561.8	581.0
52.5°	202.7	213.1	230.6	264.2	307.3	351.1	393.4	438.1	471.6	498.0	510.7
55°	157.2	166.8	185.1	213.1	253.8	296.9	339.2	377.5	408.6	427.7	439.7
57.5°	119.7	126.9	139.7	167.6	204.3	244.2	280.1	318.4	342.4	355.9	363.9
60°	91.0	96.6	110.1	131.7	165.2	199.5	229.8	258.6	277.7	288.9	296.9
62.5°	68.6	75.0	84.6	102.9	128.5	156.4	181.9	203.5	219.5	226.6	232.2
65°	47.1	51.9	59.1	73.4	95.0	114.9	134.9	150.8	161.2	169.2	172.4
67.5°	35.1	38.3	42.3	53.5	68.6	84.6	98.1	109.3	120.5	123.7	129.3
70°	26.3	28.7	32.7	40.7	49.5	60.6	71.8	78.2	86.2	91.8	93.4
72.5°	16.8	17.5	21.5	26.3	33.5	40.7	47.9	53.5	58.3	61.5	63.0
75°	9.6	14.4	14.4	19.2	23.9	27.1	31.9	35.9	38.3	40.7	40.7
77.5°	6.4	8.8	9.6	12.0	14.4	18.4	22.3	24.7	27.1	27.9	27.9
80°	5.6	6.4	6.4	8.8	10.4	13.6	16.0	16.8	18.4	19.2	20.8
82.5°	2.4	3.2	4.0	6.4	7.2	7.2	9.6	10.4	12.0	12.8	12.8
85°	0.8	1.6	1.6	2.4	4.0	4.8	5.6	6.4	7.2	7.2	8.0
87.5°	0.8	0.8	0.0	0.8	1.6	1.6	3.2	3.2	3.2	4.8	4.8
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: P245823

CATALOG NUMBER: LD8B30D010 ER8B30830 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4	1634.4
2.5°	1620.0	1620.8	1617.6	1616.8	1615.2	1616.0	1617.6
5°	1590.5	1591.3	1588.1	1584.9	1584.9	1584.1	1584.9
7.5°	1562.5	1563.4	1558.6	1556.9	1553.8	1554.6	1554.6
10°	1534.6	1534.6	1527.4	1526.6	1524.2	1523.4	1523.4
12.5°	1507.5	1505.1	1499.5	1496.3	1497.9	1493.1	1493.1
15°	1483.5	1479.6	1472.4	1470.0	1466.0	1464.4	1464.4
17.5°	1458.8	1455.6	1449.2	1444.4	1439.6	1438.9	1439.6
20°	1434.9	1431.7	1423.7	1420.5	1416.5	1416.5	1414.9
22.5°	1410.9	1407.7	1400.6	1398.2	1392.6	1392.6	1393.4
25°	1386.2	1383.8	1375.8	1374.2	1373.4	1370.2	1371.8
27.5°	1352.7	1351.1	1344.7	1342.3	1339.1	1338.3	1339.9
30°	1291.2	1288.8	1284.0	1281.7	1276.1	1276.9	1278.4
32.5°	1214.6	1211.4	1205.0	1202.6	1197.9	1196.2	1197.0
35°	1118.9	1116.5	1110.9	1110.9	1106.1	1104.5	1106.1
37.5°	1021.5	1023.9	1021.5	1023.9	1021.5	1020.7	1021.5
40°	929.7	938.5	940.1	948.9	945.7	950.4	949.7
42.5°	841.9	856.3	861.9	869.1	867.5	870.7	873.1
45°	753.3	765.3	770.9	775.7	776.5	778.1	778.9
47.5°	669.5	679.1	679.9	685.5	684.7	684.7	687.1
50°	591.4	597.7	599.3	603.3	600.1	598.5	599.3
52.5°	518.7	525.1	523.5	525.1	521.1	519.5	520.3
55°	444.5	447.7	447.7	447.7	442.9	442.9	442.9
57.5°	368.7	369.5	367.9	368.7	367.9	363.1	362.3
60°	299.3	299.3	298.5	299.3	296.9	294.5	294.5
62.5°	233.8	235.4	238.6	235.4	233.8	235.4	233.0
65°	174.8	178.0	177.1	178.8	178.0	178.0	176.4
67.5°	131.7	132.5	133.3	134.1	134.1	134.1	134.1
70°	96.6	99.0	98.1	98.1	98.1	98.1	102.9
72.5°	64.6	67.8	67.0	68.6	68.6	70.2	68.6
75°	43.9	47.1	45.5	47.9	47.1	45.5	49.5
77.5°	29.5	31.1	31.9	32.7	31.9	31.1	31.9
80°	20.8	22.3	21.5	22.3	22.3	22.3	23.2
82.5°	12.8	15.2	14.4	15.2	14.4	15.2	15.2
85°	8.8	9.6	8.0	9.6	8.8	8.8	10.4
87.5°	5.6	4.8	4.8	5.6	4.8	5.6	4.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)