

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: P245829

Luminaire Tested: **LD8B30D010 ER8B30835 8LBSW0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245829  
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 ER8B30835 8LBSW0GPH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 3500 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2863.0 lumens  
Efficiency: N/A  
Efficacy: 105.6 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

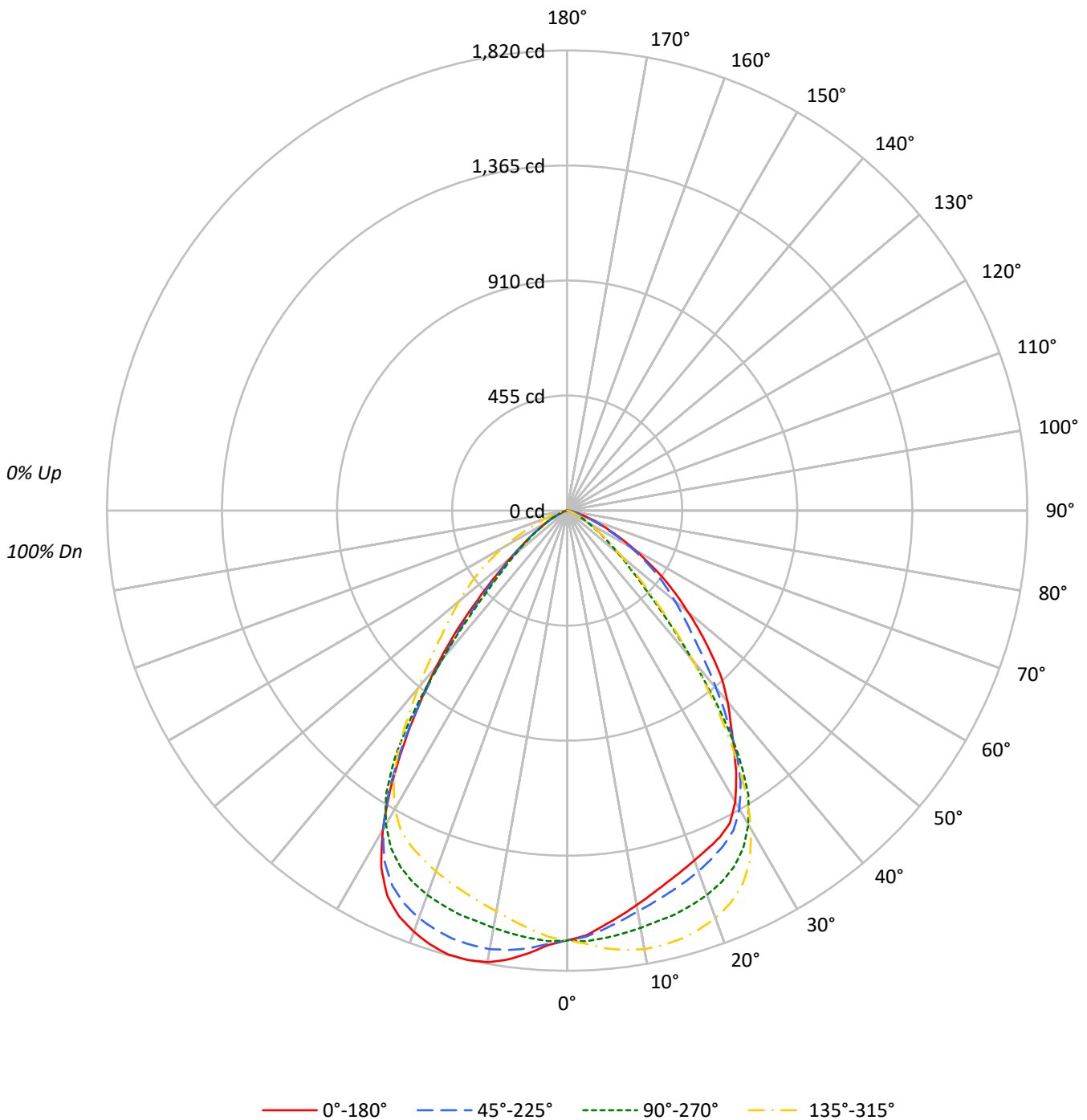
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	52412	52412	52412	52412
5°	51019	52535	54411	52535
10°	49608	52466	56781	52466
15°	48617	52777	58022	52777
20°	48284	53079	58172	53079
25°	48539	52972	57239	52972
30°	47339	51035	51950	51035
35°	43302	44518	42241	44518
40°	39755	30967	32340	30967
45°	35323	18891	21861	18891
50°	29901	12622	14013	12622
55°	24763	8613	9102	8613
60°	18884	5729	5785	5729
65°	13382	3575	3269	3575
70°	9656	2389	2173	2389
75°	6124	1191	989	1191
80°	4280	888	728	888
85°	3821	0	283	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.8	5.7
10°-20°	468.5	16.4
20°-30°	709.4	24.8
30°-40°	711.0	24.8
40°-50°	446.5	15.6
50°-60°	237.9	8.3
60°-70°	97.8	3.4
70°-80°	25.8	0.9
80°-90°	4.4	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°	1339.6	46.8
0°-40°	2050.6	71.6
0°-60°	2735.0	95.5
0°-90°	2863.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2863.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1700	1700	1700	1700	1700	
5°	1648	1697	1758	1697	1648	155
15°	1523	1653	1818	1653	1523	431
25°	1427	1557	1682	1557	1427	654
35°	1150	1183	1122	1183	1150	721
45°	810	433	501	433	810	623
55°	461	160	169	160	461	411
65°	183	49	45	49	183	190
75°	51	10	8	10	51	58
85°	11	0	1	0	11	12
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°	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7
2.5°	1682.3	1680.6	1679.8	1681.4	1682.3	1685.6	1684.7	1686.4	1686.4	1687.2	1688.9
5°	1648.2	1647.4	1648.2	1648.2	1651.5	1654.9	1654.0	1656.5	1658.2	1662.3	1664.0
7.5°	1616.7	1616.7	1615.8	1619.2	1620.8	1625.8	1625.0	1629.1	1631.6	1635.8	1641.6
10°	1584.3	1584.3	1585.1	1587.6	1588.5	1595.9	1595.9	1601.7	1605.0	1609.2	1616.7
12.5°	1552.8	1552.8	1557.8	1556.1	1559.4	1565.2	1567.7	1573.5	1578.5	1586.8	1594.3
15°	1522.9	1522.9	1524.6	1528.7	1531.2	1538.7	1542.8	1549.5	1555.3	1563.6	1574.4
17.5°	1497.2	1496.4	1497.2	1502.2	1507.1	1513.8	1517.1	1525.4	1531.2	1542.0	1552.0
20°	1471.4	1473.1	1473.1	1477.3	1480.6	1488.9	1492.2	1501.3	1508.0	1517.9	1529.6
22.5°	1449.0	1448.2	1448.2	1454.0	1456.5	1464.0	1467.3	1475.6	1483.1	1491.4	1502.2
25°	1426.6	1425.0	1428.3	1429.1	1430.8	1439.1	1441.6	1447.4	1454.8	1462.3	1473.1
27.5°	1393.4	1391.8	1392.6	1395.9	1398.4	1405.0	1406.7	1412.5	1418.3	1425.0	1434.1
30°	1329.5	1327.9	1327.1	1332.9	1335.4	1340.3	1342.8	1352.8	1354.4	1361.9	1368.5
32.5°	1244.9	1244.0	1245.7	1250.7	1253.2	1259.8	1263.1	1268.9	1273.1	1277.2	1283.9
35°	1150.3	1148.6	1150.3	1155.3	1155.3	1161.1	1163.6	1166.0	1165.2	1166.0	1164.4
37.5°	1062.3	1061.5	1062.3	1064.8	1062.3	1064.8	1062.3	1057.3	1048.2	1038.2	1028.3
40°	987.6	988.4	983.5	986.8	977.6	976.0	966.9	954.4	936.2	916.2	888.0
42.5°	907.9	905.4	902.1	903.8	896.3	890.5	875.6	859.8	836.5	803.4	769.3
45°	810.0	809.2	807.5	806.7	801.7	795.9	783.4	765.2	739.5	705.4	664.8
47.5°	714.6	712.1	712.1	712.9	707.1	706.3	696.3	680.5	658.1	624.9	582.6
50°	623.3	622.4	624.1	627.4	623.3	621.6	615.0	604.2	584.3	556.1	516.2
52.5°	541.1	540.3	542.0	546.1	544.4	546.1	539.5	531.2	517.9	490.5	455.6
55°	460.6	460.6	460.6	465.6	465.6	465.6	462.3	457.3	444.8	424.9	392.6
57.5°	376.8	377.6	382.6	383.4	382.6	384.3	383.4	378.4	370.2	356.1	331.1
60°	306.2	306.2	308.7	311.2	310.4	311.2	311.2	308.7	300.4	288.8	268.9
62.5°	242.3	244.8	243.2	244.8	248.1	244.8	243.2	241.5	235.7	228.2	211.6
65°	183.4	185.1	185.1	185.9	184.2	185.1	181.8	179.3	176.0	167.7	156.9
67.5°	139.4	139.4	139.4	139.4	138.6	137.8	136.9	134.5	128.6	125.3	113.7
70°	107.1	102.1	102.1	102.1	102.1	102.9	100.4	97.1	95.4	89.6	81.3
72.5°	71.4	73.0	71.4	71.4	69.7	70.5	67.2	65.6	63.9	60.6	55.6
75°	51.4	47.3	49.0	49.8	47.3	49.0	45.6	42.3	42.3	39.8	37.3
77.5°	33.2	32.4	33.2	34.0	33.2	32.4	30.7	29.0	29.0	28.2	25.7
80°	24.1	23.2	23.2	23.2	22.4	23.2	21.6	21.6	19.9	19.1	17.4
82.5°	15.8	15.8	14.9	15.8	14.9	15.8	13.3	13.3	13.3	12.4	10.8
85°	10.8	9.1	9.1	10.0	8.3	10.0	9.1	8.3	7.5	7.5	6.6
87.5°	5.0	5.8	5.0	5.8	5.0	5.0	5.8	5.0	5.0	3.3	3.3
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°	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7
2.5°	1691.4	1692.2	1692.2	1695.5	1697.2	1698.0	1698.0	1704.7	1702.2	1703.8	1705.5
5°	1667.3	1672.3	1673.9	1673.9	1683.1	1686.4	1689.7	1697.2	1698.0	1703.0	1708.8
7.5°	1644.1	1649.9	1653.2	1660.7	1666.5	1672.3	1682.3	1687.2	1692.2	1698.9	1706.3
10°	1621.7	1628.3	1634.9	1640.7	1649.9	1657.3	1664.0	1675.6	1681.4	1690.6	1700.5
12.5°	1600.1	1609.2	1615.0	1625.0	1634.9	1641.6	1651.5	1662.3	1671.5	1680.6	1692.2
15°	1581.0	1591.8	1598.4	1609.2	1620.0	1629.1	1639.9	1653.2	1659.8	1670.6	1681.4
17.5°	1560.2	1571.9	1580.2	1590.1	1603.4	1613.3	1622.5	1635.8	1644.1	1655.7	1668.1
20°	1538.7	1550.3	1560.2	1570.2	1583.5	1593.4	1604.2	1617.5	1626.6	1638.3	1648.2
22.5°	1513.0	1523.7	1534.5	1546.1	1559.4	1567.7	1580.2	1591.8	1601.7	1612.5	1622.5
25°	1479.7	1493.0	1501.3	1512.1	1522.9	1532.0	1545.3	1556.9	1565.2	1575.2	1584.3
27.5°	1440.7	1450.7	1457.3	1466.5	1477.3	1485.6	1495.5	1507.1	1515.4	1524.6	1531.2
30°	1374.3	1383.5	1389.3	1395.9	1406.7	1414.2	1422.5	1433.3	1439.1	1445.7	1451.5
32.5°	1287.2	1294.7	1298.0	1303.0	1310.5	1317.9	1324.6	1333.7	1336.2	1340.3	1340.3
35°	1161.1	1162.7	1161.9	1163.6	1166.9	1171.0	1176.8	1182.6	1185.9	1185.9	1183.5
37.5°	1013.3	1003.4	992.6	984.3	981.8	980.1	983.5	985.9	989.3	990.9	986.8
40°	859.8	837.4	813.3	791.7	776.8	770.2	767.7	769.3	769.3	775.1	775.1
42.5°	727.9	693.0	657.3	624.9	603.3	586.8	579.3	579.3	580.1	584.3	586.8
45°	618.3	574.3	532.8	497.1	467.2	445.7	435.7	433.2	432.4	434.0	439.8
47.5°	534.5	488.8	445.7	401.7	370.2	348.6	339.4	336.1	332.8	336.1	337.0
50°	468.9	421.6	376.0	332.0	298.8	279.7	268.1	263.1	262.2	262.2	263.9
52.5°	409.1	365.2	319.5	274.7	239.8	221.6	210.8	208.3	205.0	208.3	208.3
55°	352.7	308.7	263.9	221.6	192.5	173.5	163.5	160.2	158.5	161.0	161.0
57.5°	291.3	253.9	212.5	174.3	145.2	132.0	124.5	120.3	119.5	121.2	119.5
60°	239.0	207.5	171.8	136.9	114.5	100.4	94.6	92.9	91.3	92.9	92.9
62.5°	189.2	162.7	133.6	107.1	88.0	78.0	71.4	71.4	70.5	70.5	71.4
65°	140.3	119.5	98.8	76.3	61.4	53.9	49.0	49.0	48.1	49.0	48.1
67.5°	102.1	88.0	71.4	55.6	44.0	39.8	36.5	34.0	35.7	34.0	33.2
70°	74.7	63.1	51.4	42.3	34.0	29.9	27.4	26.5	24.9	24.9	24.9
72.5°	49.8	42.3	34.8	27.4	22.4	18.2	17.4	15.8	14.1	14.9	16.6
75°	33.2	28.2	24.9	19.9	14.9	14.9	10.0	10.0	8.3	10.0	7.5
77.5°	23.2	19.1	14.9	12.4	10.0	9.1	6.6	6.6	5.8	5.8	5.8
80°	16.6	14.1	10.8	9.1	6.6	6.6	5.8	5.0	4.1	4.1	5.0
82.5°	10.0	7.5	7.5	6.6	4.1	3.3	2.5	3.3	1.7	1.7	1.7
85°	5.8	5.0	4.1	2.5	1.7	1.7	0.8	0.0	0.8	0.8	0.0
87.5°	3.3	1.7	1.7	0.8	0.0	0.8	0.8	0.0	0.0	0.0	1.7
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°	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7
2.5°	1709.6	1708.8	1710.5	1710.5	1715.5	1714.6	1717.1	1717.1	1715.5	1716.3	1719.6
5°	1715.5	1717.9	1722.9	1727.1	1734.5	1737.9	1742.0	1746.2	1747.0	1749.5	1752.0
7.5°	1715.5	1723.8	1729.6	1737.0	1747.0	1752.8	1761.9	1769.4	1772.7	1776.8	1781.8
10°	1712.1	1720.4	1731.2	1739.5	1752.0	1761.1	1770.2	1781.8	1786.8	1793.4	1800.1
12.5°	1705.5	1714.6	1726.2	1737.0	1751.1	1759.4	1771.0	1781.8	1789.3	1798.4	1805.9
15°	1695.5	1706.3	1717.1	1727.9	1742.8	1752.8	1763.6	1776.0	1783.5	1793.4	1800.1
17.5°	1679.8	1691.4	1701.3	1711.3	1725.4	1737.0	1747.0	1758.6	1766.1	1774.4	1783.5
20°	1660.7	1671.5	1682.3	1690.6	1704.7	1714.6	1725.4	1736.2	1742.0	1743.7	1757.8
22.5°	1636.6	1644.1	1652.4	1665.6	1673.9	1683.1	1693.0	1703.0	1708.8	1717.9	1722.9
25°	1596.7	1604.2	1613.3	1619.2	1629.1	1636.6	1646.6	1657.3	1660.7	1667.3	1672.3
27.5°	1541.2	1545.3	1549.5	1554.4	1560.2	1564.4	1570.2	1575.2	1578.5	1581.8	1585.1
30°	1453.2	1453.2	1453.2	1449.9	1452.4	1454.8	1455.7	1454.8	1454.8	1454.0	1454.0
32.5°	1337.0	1330.4	1322.9	1316.3	1313.8	1310.5	1308.8	1306.3	1302.2	1299.7	1300.5
35°	1180.1	1165.2	1156.1	1147.8	1141.2	1136.2	1133.7	1131.2	1130.4	1127.0	1123.7
37.5°	984.3	973.5	966.9	961.9	956.1	951.1	951.9	952.8	955.2	953.6	954.4
40°	776.8	774.3	776.8	771.0	769.3	771.0	775.1	781.0	784.3	787.6	793.4
42.5°	590.9	595.0	600.9	600.9	603.3	606.7	611.6	620.8	625.7	631.6	638.2
45°	444.8	449.8	457.3	459.8	461.4	465.6	471.4	478.9	482.2	487.2	493.0
47.5°	342.8	346.1	350.2	354.4	358.5	360.2	366.0	366.0	370.2	373.5	375.1
50°	267.2	270.5	273.9	276.4	278.0	280.5	282.2	284.7	285.5	287.2	288.0
52.5°	209.1	213.3	213.3	214.9	217.4	219.9	219.1	219.9	220.7	220.7	223.2
55°	163.5	163.5	166.0	166.0	167.7	166.8	167.7	167.7	167.7	167.7	168.5
57.5°	122.0	122.8	125.3	123.7	122.8	124.5	122.8	124.5	123.7	125.3	122.8
60°	93.8	93.8	94.6	94.6	95.4	95.4	95.4	94.6	94.6	93.8	93.8
62.5°	70.5	71.4	72.2	71.4	71.4	71.4	70.5	70.5	69.7	68.9	68.9
65°	47.3	46.5	48.1	46.5	47.3	47.3	46.5	47.3	44.8	45.6	44.8
67.5°	34.0	33.2	32.4	33.2	32.4	31.5	31.5	32.4	33.2	30.7	30.7
70°	22.4	23.2	22.4	23.2	24.1	24.1	23.2	22.4	23.2	21.6	22.4
72.5°	14.1	14.1	14.1	14.1	14.1	14.9	14.9	14.9	13.3	13.3	12.4
75°	6.6	9.1	7.5	6.6	9.1	9.1	8.3	8.3	7.5	7.5	7.5
77.5°	6.6	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.1	5.0	4.1
80°	3.3	3.3	3.3	2.5	3.3	3.3	4.1	3.3	3.3	2.5	4.1
82.5°	1.7	1.7	1.7	0.0	0.8	1.7	1.7	0.8	1.7	1.7	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: P245829

CATALOG NUMBER: LD8B30D010 ER8B30835 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7
2.5°	1718.8	1717.9	1718.8	1719.6	1718.8	1717.9	1718.8	1719.6	1716.3	1715.5	1717.1
5°	1755.3	1755.3	1756.9	1757.8	1756.9	1755.3	1755.3	1752.0	1749.5	1747.0	1746.2
7.5°	1786.8	1788.5	1790.1	1790.9	1790.1	1788.5	1786.8	1781.8	1776.8	1772.7	1769.4
10°	1805.9	1808.4	1811.7	1813.4	1811.7	1808.4	1805.9	1800.1	1793.4	1786.8	1781.8
12.5°	1814.2	1816.7	1820.8	1820.0	1820.8	1816.7	1814.2	1805.9	1798.4	1789.3	1781.8
15°	1808.4	1811.7	1815.9	1817.5	1815.9	1811.7	1808.4	1800.1	1793.4	1783.5	1776.0
17.5°	1790.1	1795.1	1797.6	1800.1	1797.6	1795.1	1790.1	1783.5	1774.4	1766.1	1758.6
20°	1765.2	1768.6	1771.9	1772.7	1771.9	1768.6	1765.2	1757.8	1743.7	1742.0	1736.2
22.5°	1729.6	1732.1	1739.5	1737.0	1739.5	1732.1	1729.6	1722.9	1717.9	1708.8	1703.0
25°	1678.1	1680.6	1681.4	1682.3	1681.4	1680.6	1678.1	1672.3	1667.3	1660.7	1657.3
27.5°	1589.3	1589.3	1590.9	1591.8	1590.9	1589.3	1589.3	1585.1	1581.8	1578.5	1575.2
30°	1454.8	1454.8	1454.8	1459.0	1454.8	1454.8	1454.8	1454.0	1454.0	1454.8	1454.8
32.5°	1299.7	1298.0	1296.3	1298.0	1296.3	1298.0	1299.7	1300.5	1299.7	1302.2	1306.3
35°	1123.7	1122.9	1125.4	1122.1	1125.4	1122.9	1123.7	1123.7	1127.0	1130.4	1131.2
37.5°	955.2	953.6	956.9	953.6	956.9	953.6	955.2	954.4	953.6	955.2	952.8
40°	795.1	796.7	796.7	803.4	796.7	796.7	795.1	793.4	787.6	784.3	781.0
42.5°	641.5	646.5	644.8	649.8	644.8	646.5	641.5	638.2	631.6	625.7	620.8
45°	496.3	499.6	499.6	501.3	499.6	499.6	496.3	493.0	487.2	482.2	478.9
47.5°	380.9	380.9	380.9	381.8	380.9	380.9	380.9	375.1	373.5	370.2	366.0
50°	289.6	290.5	291.3	292.1	291.3	290.5	289.6	288.0	287.2	285.5	284.7
52.5°	222.4	223.2	221.6	223.2	221.6	223.2	222.4	223.2	220.7	220.7	219.9
55°	168.5	167.7	168.5	169.3	168.5	167.7	168.5	168.5	167.7	167.7	167.7
57.5°	123.7	122.0	122.0	122.0	122.0	122.0	123.7	122.8	125.3	123.7	124.5
60°	92.1	92.9	92.9	93.8	92.9	92.9	92.1	93.8	93.8	94.6	94.6
62.5°	68.0	70.5	68.9	70.5	68.9	70.5	68.0	68.9	68.9	69.7	70.5
65°	44.0	44.0	44.0	44.8	44.0	44.0	44.0	44.8	45.6	44.8	47.3
67.5°	29.9	30.7	32.4	31.5	32.4	30.7	29.9	30.7	30.7	33.2	32.4
70°	24.1	21.6	21.6	24.1	21.6	21.6	24.1	22.4	21.6	23.2	22.4
72.5°	14.1	12.4	14.1	14.1	14.1	12.4	14.1	12.4	13.3	13.3	14.9
75°	7.5	6.6	5.8	8.3	5.8	6.6	7.5	7.5	7.5	7.5	8.3
77.5°	5.0	4.1	5.8	5.8	5.8	4.1	5.0	4.1	5.0	4.1	5.0
80°	2.5	3.3	2.5	4.1	2.5	3.3	2.5	4.1	2.5	3.3	3.3
82.5°	0.8	1.7	1.7	1.7	1.7	1.7	0.8	0.8	1.7	1.7	0.8
85°	0.0	1.7	0.8	0.8	0.8	1.7	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: P245829

CATALOG NUMBER: LD8B30D010 ER8B30835 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7
2.5°	1717.1	1714.6	1715.5	1710.5	1710.5	1708.8	1709.6	1705.5	1703.8	1702.2	1704.7
5°	1742.0	1737.9	1734.5	1727.1	1722.9	1717.9	1715.5	1708.8	1703.0	1698.0	1697.2
7.5°	1761.9	1752.8	1747.0	1737.0	1729.6	1723.8	1715.5	1706.3	1698.9	1692.2	1687.2
10°	1770.2	1761.1	1752.0	1739.5	1731.2	1720.4	1712.1	1700.5	1690.6	1681.4	1675.6
12.5°	1771.0	1759.4	1751.1	1737.0	1726.2	1714.6	1705.5	1692.2	1680.6	1671.5	1662.3
15°	1763.6	1752.8	1742.8	1727.9	1717.1	1706.3	1695.5	1681.4	1670.6	1659.8	1653.2
17.5°	1747.0	1737.0	1725.4	1711.3	1701.3	1691.4	1679.8	1668.1	1655.7	1644.1	1635.8
20°	1725.4	1714.6	1704.7	1690.6	1682.3	1671.5	1660.7	1648.2	1638.3	1626.6	1617.5
22.5°	1693.0	1683.1	1673.9	1665.6	1652.4	1644.1	1636.6	1622.5	1612.5	1601.7	1591.8
25°	1646.6	1636.6	1629.1	1619.2	1613.3	1604.2	1596.7	1584.3	1575.2	1565.2	1556.9
27.5°	1570.2	1564.4	1560.2	1554.4	1549.5	1545.3	1541.2	1531.2	1524.6	1515.4	1507.1
30°	1455.7	1454.8	1452.4	1449.9	1453.2	1453.2	1453.2	1451.5	1445.7	1439.1	1433.3
32.5°	1308.8	1310.5	1313.8	1316.3	1322.9	1330.4	1337.0	1340.3	1340.3	1336.2	1333.7
35°	1133.7	1136.2	1141.2	1147.8	1156.1	1165.2	1180.1	1183.5	1185.9	1185.9	1182.6
37.5°	951.9	951.1	956.1	961.9	966.9	973.5	984.3	986.8	990.9	989.3	985.9
40°	775.1	771.0	769.3	771.0	776.8	774.3	776.8	775.1	775.1	769.3	769.3
42.5°	611.6	606.7	603.3	600.9	600.9	595.0	590.9	586.8	584.3	580.1	579.3
45°	471.4	465.6	461.4	459.8	457.3	449.8	444.8	439.8	434.0	432.4	433.2
47.5°	366.0	360.2	358.5	354.4	350.2	346.1	342.8	337.0	336.1	332.8	336.1
50°	282.2	280.5	278.0	276.4	273.9	270.5	267.2	263.9	262.2	262.2	263.1
52.5°	219.1	219.9	217.4	214.9	213.3	213.3	209.1	208.3	208.3	205.0	208.3
55°	167.7	166.8	167.7	166.0	166.0	163.5	163.5	161.0	161.0	158.5	160.2
57.5°	122.8	124.5	122.8	123.7	125.3	122.8	122.0	119.5	121.2	119.5	120.3
60°	95.4	95.4	95.4	94.6	94.6	93.8	93.8	92.9	92.9	91.3	92.9
62.5°	70.5	71.4	71.4	71.4	72.2	71.4	70.5	71.4	70.5	70.5	71.4
65°	46.5	47.3	47.3	46.5	48.1	46.5	47.3	48.1	49.0	48.1	49.0
67.5°	31.5	31.5	32.4	33.2	32.4	33.2	34.0	33.2	34.0	35.7	34.0
70°	23.2	24.1	24.1	23.2	22.4	23.2	22.4	24.9	24.9	24.9	26.5
72.5°	14.9	14.9	14.1	14.1	14.1	14.1	14.1	16.6	14.9	14.1	15.8
75°	8.3	9.1	9.1	6.6	7.5	9.1	6.6	7.5	10.0	8.3	10.0
77.5°	5.0	5.0	5.0	5.0	5.0	5.0	6.6	5.8	5.8	5.8	6.6
80°	4.1	3.3	3.3	2.5	3.3	3.3	3.3	5.0	4.1	4.1	5.0
82.5°	1.7	1.7	0.8	0.0	1.7	1.7	1.7	1.7	1.7	1.7	3.3
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	1.7	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: P245829

CATALOG NUMBER: LD8B30D010 ER8B30835 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7
2.5°	1698.0	1698.0	1697.2	1695.5	1692.2	1692.2	1691.4	1688.9	1687.2	1686.4	1686.4
5°	1689.7	1686.4	1683.1	1673.9	1673.9	1672.3	1667.3	1664.0	1662.3	1658.2	1656.5
7.5°	1682.3	1672.3	1666.5	1660.7	1653.2	1649.9	1644.1	1641.6	1635.8	1631.6	1629.1
10°	1664.0	1657.3	1649.9	1640.7	1634.9	1628.3	1621.7	1616.7	1609.2	1605.0	1601.7
12.5°	1651.5	1641.6	1634.9	1625.0	1615.0	1609.2	1600.1	1594.3	1586.8	1578.5	1573.5
15°	1639.9	1629.1	1620.0	1609.2	1598.4	1591.8	1581.0	1574.4	1563.6	1555.3	1549.5
17.5°	1622.5	1613.3	1603.4	1590.1	1580.2	1571.9	1560.2	1552.0	1542.0	1531.2	1525.4
20°	1604.2	1593.4	1583.5	1570.2	1560.2	1550.3	1538.7	1529.6	1517.9	1508.0	1501.3
22.5°	1580.2	1567.7	1559.4	1546.1	1534.5	1523.7	1513.0	1502.2	1491.4	1483.1	1475.6
25°	1545.3	1532.0	1522.9	1512.1	1501.3	1493.0	1479.7	1473.1	1462.3	1454.8	1447.4
27.5°	1495.5	1485.6	1477.3	1466.5	1457.3	1450.7	1440.7	1434.1	1425.0	1418.3	1412.5
30°	1422.5	1414.2	1406.7	1395.9	1389.3	1383.5	1374.3	1368.5	1361.9	1354.4	1352.8
32.5°	1324.6	1317.9	1310.5	1303.0	1298.0	1294.7	1287.2	1283.9	1277.2	1273.1	1268.9
35°	1176.8	1171.0	1166.9	1163.6	1161.9	1162.7	1161.1	1164.4	1166.0	1165.2	1166.0
37.5°	983.5	980.1	981.8	984.3	992.6	1003.4	1013.3	1028.3	1038.2	1048.2	1057.3
40°	767.7	770.2	776.8	791.7	813.3	837.4	859.8	888.0	916.2	936.2	954.4
42.5°	579.3	586.8	603.3	624.9	657.3	693.0	727.9	769.3	803.4	836.5	859.8
45°	435.7	445.7	467.2	497.1	532.8	574.3	618.3	664.8	705.4	739.5	765.2
47.5°	339.4	348.6	370.2	401.7	445.7	488.8	534.5	582.6	624.9	658.1	680.5
50°	268.1	279.7	298.8	332.0	376.0	421.6	468.9	516.2	556.1	584.3	604.2
52.5°	210.8	221.6	239.8	274.7	319.5	365.2	409.1	455.6	490.5	517.9	531.2
55°	163.5	173.5	192.5	221.6	263.9	308.7	352.7	392.6	424.9	444.8	457.3
57.5°	124.5	132.0	145.2	174.3	212.5	253.9	291.3	331.1	356.1	370.2	378.4
60°	94.6	100.4	114.5	136.9	171.8	207.5	239.0	268.9	288.8	300.4	308.7
62.5°	71.4	78.0	88.0	107.1	133.6	162.7	189.2	211.6	228.2	235.7	241.5
65°	49.0	53.9	61.4	76.3	98.8	119.5	140.3	156.9	167.7	176.0	179.3
67.5°	36.5	39.8	44.0	55.6	71.4	88.0	102.1	113.7	125.3	128.6	134.5
70°	27.4	29.9	34.0	42.3	51.4	63.1	74.7	81.3	89.6	95.4	97.1
72.5°	17.4	18.2	22.4	27.4	34.8	42.3	49.8	55.6	60.6	63.9	65.6
75°	10.0	14.9	14.9	19.9	24.9	28.2	33.2	37.3	39.8	42.3	42.3
77.5°	6.6	9.1	10.0	12.4	14.9	19.1	23.2	25.7	28.2	29.0	29.0
80°	5.8	6.6	6.6	9.1	10.8	14.1	16.6	17.4	19.1	19.9	21.6
82.5°	2.5	3.3	4.1	6.6	7.5	7.5	10.0	10.8	12.4	13.3	13.3
85°	0.8	1.7	1.7	2.5	4.1	5.0	5.8	6.6	7.5	7.5	8.3
87.5°	0.8	0.8	0.0	0.8	1.7	1.7	3.3	3.3	3.3	5.0	5.0
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: P245829

CATALOG NUMBER: LD8B30D010 ER8B30835 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7	1699.7
2.5°	1684.7	1685.6	1682.3	1681.4	1679.8	1680.6	1682.3
5°	1654.0	1654.9	1651.5	1648.2	1648.2	1647.4	1648.2
7.5°	1625.0	1625.8	1620.8	1619.2	1615.8	1616.7	1616.7
10°	1595.9	1595.9	1588.5	1587.6	1585.1	1584.3	1584.3
12.5°	1567.7	1565.2	1559.4	1556.1	1557.8	1552.8	1552.8
15°	1542.8	1538.7	1531.2	1528.7	1524.6	1522.9	1522.9
17.5°	1517.1	1513.8	1507.1	1502.2	1497.2	1496.4	1497.2
20°	1492.2	1488.9	1480.6	1477.3	1473.1	1473.1	1471.4
22.5°	1467.3	1464.0	1456.5	1454.0	1448.2	1448.2	1449.0
25°	1441.6	1439.1	1430.8	1429.1	1428.3	1425.0	1426.6
27.5°	1406.7	1405.0	1398.4	1395.9	1392.6	1391.8	1393.4
30°	1342.8	1340.3	1335.4	1332.9	1327.1	1327.9	1329.5
32.5°	1263.1	1259.8	1253.2	1250.7	1245.7	1244.0	1244.9
35°	1163.6	1161.1	1155.3	1155.3	1150.3	1148.6	1150.3
37.5°	1062.3	1064.8	1062.3	1064.8	1062.3	1061.5	1062.3
40°	966.9	976.0	977.6	986.8	983.5	988.4	987.6
42.5°	875.6	890.5	896.3	903.8	902.1	905.4	907.9
45°	783.4	795.9	801.7	806.7	807.5	809.2	810.0
47.5°	696.3	706.3	707.1	712.9	712.1	712.1	714.6
50°	615.0	621.6	623.3	627.4	624.1	622.4	623.3
52.5°	539.5	546.1	544.4	546.1	542.0	540.3	541.1
55°	462.3	465.6	465.6	465.6	460.6	460.6	460.6
57.5°	383.4	384.3	382.6	383.4	382.6	377.6	376.8
60°	311.2	311.2	310.4	311.2	308.7	306.2	306.2
62.5°	243.2	244.8	248.1	244.8	243.2	244.8	242.3
65°	181.8	185.1	184.2	185.9	185.1	185.1	183.4
67.5°	136.9	137.8	138.6	139.4	139.4	139.4	139.4
70°	100.4	102.9	102.1	102.1	102.1	102.1	107.1
72.5°	67.2	70.5	69.7	71.4	71.4	73.0	71.4
75°	45.6	49.0	47.3	49.8	49.0	47.3	51.4
77.5°	30.7	32.4	33.2	34.0	33.2	32.4	33.2
80°	21.6	23.2	22.4	23.2	23.2	23.2	24.1
82.5°	13.3	15.8	14.9	15.8	14.9	15.8	15.8
85°	9.1	10.0	8.3	10.0	9.1	9.1	10.8
87.5°	5.8	5.0	5.0	5.8	5.0	5.8	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)