

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: P244971

Luminaire Tested: **LD8B30D010 ER8B30840 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244971
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 ER8B30840 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3046.0 lumens
Efficiency: N/A
Efficacy: 112.4 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

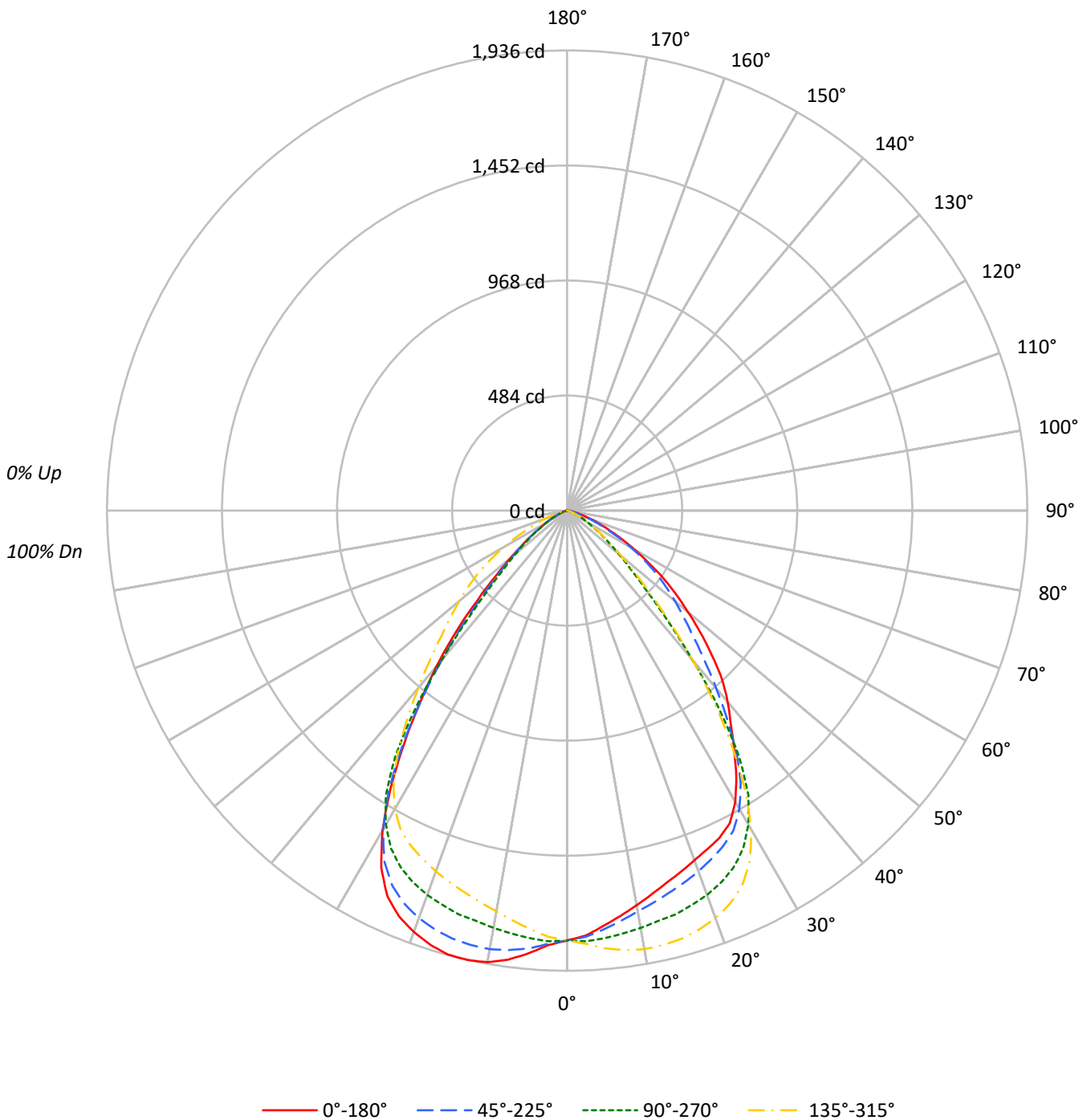
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	55761	55761	55761	55761
5°	54281	55894	57887	55894
10°	52780	55820	60410	55820
15°	51723	56151	61732	56151
20°	51372	56472	61890	56472
25°	51642	56358	60896	56358
30°	50366	54297	55272	54297
35°	46069	47364	44940	47364
40°	42295	32948	34405	32948
45°	37582	20099	23257	20099
50°	31811	13428	14910	13428
55°	26348	9161	9682	9161
60°	20093	6099	6155	6099
65°	14235	3801	3480	3801
70°	10269	2542	2308	2542
75°	6517	1263	1048	1263
80°	4546	941	781	941
85°	4069	0	318	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.1	5.7
10°-20°	498.4	16.4
20°-30°	754.7	24.8
30°-40°	756.4	24.8
40°-50°	475.0	15.6
50°-60°	253.1	8.3
60°-70°	104.1	3.4
70°-80°	27.5	0.9
80°-90°	4.7	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°	1425.3	46.8
0°-40°	2181.7	71.6
0°-60°	2909.8	95.5
0°-90°	3046.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3046.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1808	1808	1808	1808	1808	
5°	1754	1806	1870	1806	1754	165
15°	1620	1759	1934	1759	1620	458
25°	1518	1656	1790	1656	1518	696
35°	1224	1258	1194	1258	1224	767
45°	862	461	533	461	862	663
55°	490	170	180	170	490	437
65°	195	52	48	52	195	202
75°	55	11	9	11	55	62
85°	12	0	1	0	12	13
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°	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3
2.5°	1789.8	1788.0	1787.1	1788.9	1789.8	1793.3	1792.4	1794.2	1794.2	1795.1	1796.8
5°	1753.6	1752.7	1753.6	1753.6	1757.1	1760.6	1759.8	1762.4	1764.2	1768.6	1770.3
7.5°	1720.0	1720.0	1719.1	1722.7	1724.4	1729.7	1728.8	1733.3	1735.9	1740.3	1746.5
10°	1685.6	1685.6	1686.5	1689.1	1690.0	1697.9	1697.9	1704.1	1707.6	1712.1	1720.0
12.5°	1652.0	1652.0	1657.3	1655.6	1659.1	1665.3	1667.9	1674.1	1679.4	1688.2	1696.2
15°	1620.2	1620.2	1622.0	1626.4	1629.1	1637.0	1641.4	1648.5	1654.7	1663.5	1675.0
17.5°	1592.9	1592.0	1592.9	1598.2	1603.5	1610.5	1614.1	1622.9	1629.1	1640.6	1651.2
20°	1565.5	1567.3	1567.3	1571.7	1575.2	1584.0	1587.6	1597.3	1604.4	1614.9	1627.3
22.5°	1541.7	1540.8	1540.8	1547.0	1549.6	1557.5	1561.1	1569.9	1577.9	1586.7	1598.2
25°	1517.8	1516.0	1519.6	1520.5	1522.2	1531.0	1533.7	1539.9	1547.8	1555.8	1567.3
27.5°	1482.5	1480.7	1481.6	1485.1	1487.8	1494.8	1496.6	1502.8	1509.0	1516.0	1525.8
30°	1414.5	1412.7	1411.9	1418.1	1420.7	1426.0	1428.6	1439.2	1441.0	1448.9	1456.0
32.5°	1324.4	1323.6	1325.3	1330.6	1333.3	1340.4	1343.9	1350.1	1354.5	1358.9	1365.9
35°	1223.8	1222.0	1223.8	1229.1	1229.1	1235.3	1237.9	1240.6	1239.7	1240.6	1238.8
37.5°	1130.2	1129.3	1130.2	1132.8	1130.2	1132.8	1130.2	1124.9	1115.2	1104.6	1094.0
40°	1050.7	1051.6	1046.3	1049.9	1040.1	1038.4	1028.7	1015.4	996.0	974.8	944.8
42.5°	966.0	963.3	959.8	961.5	953.6	947.4	931.5	914.8	890.0	854.7	818.5
45°	861.8	860.9	859.1	858.3	852.9	846.8	833.5	814.1	786.7	750.5	707.2
47.5°	760.2	757.6	757.6	758.5	752.3	751.4	740.8	724.0	700.2	664.9	619.8
50°	663.1	662.2	664.0	667.5	663.1	661.3	654.3	642.8	621.6	591.6	549.2
52.5°	575.7	574.8	576.6	581.0	579.2	581.0	573.9	565.1	551.0	521.8	484.8
55°	490.1	490.1	490.1	495.3	495.3	495.3	491.8	486.5	473.3	452.1	417.7
57.5°	400.9	401.7	407.0	407.9	407.0	408.8	407.9	402.6	393.8	378.8	352.3
60°	325.8	325.8	328.5	331.1	330.2	331.1	331.1	328.5	319.6	307.3	286.1
62.5°	257.8	260.5	258.7	260.5	264.0	260.5	258.7	256.9	250.8	242.8	225.1
65°	195.1	196.9	196.9	197.8	196.0	196.9	193.4	190.7	187.2	178.4	166.9
67.5°	148.4	148.4	148.4	148.4	147.4	146.6	145.7	143.0	136.9	133.3	121.0
70°	113.9	108.6	108.6	108.6	108.6	109.5	106.9	103.3	101.5	95.4	86.5
72.5°	75.9	77.7	75.9	75.9	74.2	75.0	71.5	69.7	68.0	64.5	59.2
75°	54.7	50.3	52.1	53.0	50.3	52.1	48.6	45.0	45.0	42.4	39.7
77.5°	35.3	34.5	35.3	36.2	35.3	34.5	32.7	30.9	30.9	30.0	27.4
80°	25.6	24.7	24.7	24.7	23.8	24.7	23.0	23.0	21.2	20.3	18.5
82.5°	16.8	16.8	15.9	16.8	15.9	16.8	14.1	14.1	14.1	13.2	11.5
85°	11.5	9.7	9.7	10.6	8.8	10.6	9.7	8.8	8.0	8.0	7.1
87.5°	5.3	6.2	5.3	6.2	5.3	5.3	6.2	5.3	5.3	3.5	3.5
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3
2.5°	1799.5	1800.4	1800.4	1803.9	1805.7	1806.5	1806.5	1813.6	1811.0	1812.7	1814.5
5°	1773.9	1779.2	1780.9	1780.9	1790.7	1794.2	1797.7	1805.7	1806.5	1811.8	1818.0
7.5°	1749.1	1755.3	1758.9	1766.8	1773.0	1779.2	1789.8	1795.1	1800.4	1807.4	1815.4
10°	1725.3	1732.4	1739.4	1745.6	1755.3	1763.3	1770.3	1782.7	1788.9	1798.6	1809.2
12.5°	1702.4	1712.1	1718.3	1728.8	1739.4	1746.5	1757.1	1768.6	1778.3	1788.0	1800.4
15°	1682.1	1693.5	1700.6	1712.1	1723.6	1733.3	1744.7	1758.9	1765.9	1777.4	1788.9
17.5°	1660.0	1672.4	1681.2	1691.8	1705.9	1716.5	1726.2	1740.3	1749.1	1761.5	1774.8
20°	1637.0	1649.4	1660.0	1670.6	1684.7	1695.3	1706.8	1720.9	1730.6	1743.0	1753.6
22.5°	1609.7	1621.1	1632.6	1644.9	1659.1	1667.9	1681.2	1693.5	1704.1	1715.6	1726.2
25°	1574.3	1588.5	1597.3	1608.8	1620.2	1629.9	1644.1	1656.4	1665.3	1675.9	1685.6
27.5°	1532.8	1543.4	1550.5	1560.2	1571.7	1580.5	1591.1	1603.5	1612.3	1622.0	1629.1
30°	1462.2	1471.9	1478.1	1485.1	1496.6	1504.6	1513.4	1524.9	1531.0	1538.1	1544.3
32.5°	1369.5	1377.4	1380.9	1386.3	1394.2	1402.1	1409.2	1418.9	1421.6	1426.0	1426.0
35°	1235.3	1237.0	1236.2	1237.9	1241.5	1245.9	1252.0	1258.2	1261.7	1261.7	1259.1
37.5°	1078.1	1067.5	1056.0	1047.2	1044.6	1042.8	1046.3	1048.9	1052.5	1054.3	1049.9
40°	914.8	890.9	865.3	842.3	826.5	819.4	816.8	818.5	818.5	824.7	824.7
42.5°	774.4	737.3	699.3	664.9	641.9	624.3	616.3	616.3	617.2	621.6	624.3
45°	657.8	611.0	566.9	528.9	497.1	474.1	463.6	460.9	460.0	461.8	468.0
47.5°	568.6	520.1	474.1	427.4	393.8	370.9	361.1	357.6	354.1	357.6	358.5
50°	498.9	448.6	400.0	353.2	317.9	297.5	285.2	279.9	279.0	279.0	280.8
52.5°	435.3	388.5	340.0	292.3	255.2	235.8	224.3	221.6	218.1	221.6	221.6
55°	375.2	328.5	280.8	235.8	204.8	184.6	173.9	170.4	168.6	171.3	171.3
57.5°	309.9	270.2	226.1	185.4	154.5	140.4	132.4	128.0	127.1	128.9	127.1
60°	254.3	220.8	182.8	145.7	121.9	106.9	100.7	98.9	97.1	98.9	98.9
62.5°	201.3	173.1	142.1	113.9	93.6	83.0	75.9	75.9	75.0	75.0	75.9
65°	149.2	127.1	105.1	81.2	65.3	57.4	52.1	52.1	51.2	52.1	51.2
67.5°	108.6	93.6	75.9	59.2	46.8	42.4	38.9	36.2	38.0	36.2	35.3
70°	79.5	67.1	54.7	45.0	36.2	31.8	29.1	28.2	26.5	26.5	26.5
72.5°	53.0	45.0	37.1	29.1	23.8	19.4	18.5	16.8	15.0	15.9	17.7
75°	35.3	30.0	26.5	21.2	15.9	15.9	10.6	10.6	8.8	10.6	8.0
77.5°	24.7	20.3	15.9	13.2	10.6	9.7	7.1	7.1	6.2	6.2	6.2
80°	17.7	15.0	11.5	9.7	7.1	7.1	6.2	5.3	4.4	4.4	5.3
82.5°	10.6	8.0	8.0	7.1	4.4	3.5	2.7	3.5	1.8	1.8	1.8
85°	6.2	5.3	4.4	2.7	1.8	1.8	0.9	0.0	0.9	0.9	0.0
87.5°	3.5	1.8	1.8	0.9	0.0	0.9	0.9	0.0	0.0	0.0	1.8
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°	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3
2.5°	1818.9	1818.0	1819.8	1819.8	1825.1	1824.2	1826.8	1826.8	1825.1	1826.0	1829.5
5°	1825.1	1827.8	1833.0	1837.5	1845.4	1848.9	1853.3	1857.8	1858.6	1861.3	1864.0
7.5°	1825.1	1833.9	1840.1	1848.0	1858.6	1864.8	1874.5	1882.5	1886.0	1890.4	1895.7
10°	1821.5	1830.4	1841.9	1850.7	1864.0	1873.7	1883.4	1895.7	1901.0	1908.1	1915.2
12.5°	1814.5	1824.2	1836.6	1848.0	1863.0	1871.9	1884.2	1895.7	1903.7	1913.4	1921.3
15°	1803.9	1815.4	1826.8	1838.3	1854.2	1864.8	1876.3	1889.5	1897.5	1908.1	1915.2
17.5°	1787.1	1799.5	1810.1	1820.7	1835.7	1848.0	1858.6	1871.0	1879.0	1887.8	1897.5
20°	1766.8	1778.3	1789.8	1798.6	1813.6	1824.2	1835.7	1847.2	1853.3	1855.1	1870.1
22.5°	1741.2	1749.1	1758.0	1772.1	1780.9	1790.7	1801.3	1811.8	1818.0	1827.8	1833.0
25°	1698.8	1706.8	1716.5	1722.7	1733.3	1741.2	1751.8	1763.3	1766.8	1773.9	1779.2
27.5°	1639.7	1644.1	1648.5	1653.8	1660.0	1664.4	1670.6	1675.9	1679.4	1682.9	1686.5
30°	1546.1	1546.1	1546.1	1542.5	1545.2	1547.8	1548.7	1547.8	1547.8	1547.0	1547.0
32.5°	1422.5	1415.4	1407.4	1400.4	1397.7	1394.2	1392.4	1389.8	1385.4	1382.7	1383.6
35°	1255.6	1239.7	1230.0	1221.1	1214.1	1208.8	1206.1	1203.5	1202.6	1199.1	1195.5
37.5°	1047.2	1035.7	1028.7	1023.4	1017.2	1011.9	1012.8	1013.7	1016.3	1014.5	1015.4
40°	826.5	823.8	826.5	820.3	818.5	820.3	824.7	830.9	834.4	837.9	844.1
42.5°	628.7	633.1	639.3	639.3	641.9	645.5	650.7	660.5	665.7	671.9	679.0
45°	473.3	478.6	486.5	489.1	490.9	495.3	501.5	509.5	513.0	518.3	524.5
47.5°	364.7	368.2	372.6	377.0	381.4	383.2	389.4	389.4	393.8	397.3	399.1
50°	284.3	287.8	291.4	294.0	295.8	298.5	300.2	302.9	303.7	305.5	306.4
52.5°	222.5	226.9	226.9	228.7	231.3	234.0	233.1	234.0	234.9	234.9	237.5
55°	173.9	173.9	176.6	176.6	178.4	177.5	178.4	178.4	178.4	178.4	179.2
57.5°	129.8	130.7	133.3	131.6	130.7	132.4	130.7	132.4	131.6	133.3	130.7
60°	99.8	99.8	100.7	100.7	101.5	101.5	101.5	100.7	100.7	99.8	99.8
62.5°	75.0	75.9	76.8	75.9	75.9	75.9	75.0	75.0	74.2	73.3	73.3
65°	50.3	49.5	51.2	49.5	50.3	50.3	49.5	50.3	47.7	48.6	47.7
67.5°	36.2	35.3	34.5	35.3	34.5	33.5	33.5	34.5	35.3	32.7	32.7
70°	23.8	24.7	23.8	24.7	25.6	25.6	24.7	23.8	24.7	23.0	23.8
72.5°	15.0	15.0	15.0	15.0	15.0	15.9	15.9	15.9	14.1	14.1	13.2
75°	7.1	9.7	8.0	7.1	9.7	9.7	8.8	8.8	8.0	8.0	8.0
77.5°	7.1	5.3	5.3	5.3	5.3	5.3	5.3	5.3	4.4	5.3	4.4
80°	3.5	3.5	3.5	2.7	3.5	3.5	4.4	3.5	3.5	2.7	4.4
82.5°	1.8	1.8	1.8	0.0	0.9	1.8	1.8	0.9	1.8	1.8	0.9
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: P244971

CATALOG NUMBER: LD8B30D010 ER8B30840 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3
2.5°	1828.6	1827.8	1828.6	1829.5	1828.6	1827.8	1828.6	1829.5	1826.0	1825.1	1826.8
5°	1867.5	1867.5	1869.2	1870.1	1869.2	1867.5	1867.5	1864.0	1861.3	1858.6	1857.8
7.5°	1901.0	1902.8	1904.6	1905.4	1904.6	1902.8	1901.0	1895.7	1890.4	1886.0	1882.5
10°	1921.3	1924.0	1927.5	1929.3	1927.5	1924.0	1921.3	1915.2	1908.1	1901.0	1895.7
12.5°	1930.2	1932.8	1937.2	1936.4	1937.2	1932.8	1930.2	1921.3	1913.4	1903.7	1895.7
15°	1924.0	1927.5	1931.9	1933.7	1931.9	1927.5	1924.0	1915.2	1908.1	1897.5	1889.5
17.5°	1904.6	1909.9	1912.5	1915.2	1912.5	1909.9	1904.6	1897.5	1887.8	1879.0	1871.0
20°	1878.1	1881.6	1885.1	1886.0	1885.1	1881.6	1878.1	1870.1	1855.1	1853.3	1847.2
22.5°	1840.1	1842.8	1850.7	1848.0	1850.7	1842.8	1840.1	1833.0	1827.8	1818.0	1811.8
25°	1785.3	1788.0	1788.9	1789.8	1788.9	1788.0	1785.3	1779.2	1773.9	1766.8	1763.3
27.5°	1690.9	1690.9	1692.6	1693.5	1692.6	1690.9	1690.9	1686.5	1682.9	1679.4	1675.9
30°	1547.8	1547.8	1547.8	1552.3	1547.8	1547.8	1547.8	1547.0	1547.0	1547.8	1547.8
32.5°	1382.7	1380.9	1379.2	1380.9	1379.2	1380.9	1382.7	1383.6	1382.7	1385.4	1389.8
35°	1195.5	1194.7	1197.3	1193.8	1197.3	1194.7	1195.5	1195.5	1199.1	1202.6	1203.5
37.5°	1016.3	1014.5	1018.1	1014.5	1018.1	1014.5	1016.3	1015.4	1014.5	1016.3	1013.7
40°	845.9	847.6	847.6	854.7	847.6	847.6	845.9	844.1	837.9	834.4	830.9
42.5°	682.5	687.8	686.1	691.4	686.1	687.8	682.5	679.0	671.9	665.7	660.5
45°	528.0	531.6	531.6	533.3	531.6	531.6	528.0	524.5	518.3	513.0	509.5
47.5°	405.3	405.3	405.3	406.2	405.3	405.3	405.3	399.1	397.3	393.8	389.4
50°	308.2	309.0	309.9	310.8	309.9	309.0	308.2	306.4	305.5	303.7	302.9
52.5°	236.6	237.5	235.8	237.5	235.8	237.5	236.6	237.5	234.9	234.9	234.0
55°	179.2	178.4	179.2	180.1	179.2	178.4	179.2	179.2	178.4	178.4	178.4
57.5°	131.6	129.8	129.8	129.8	129.8	129.8	131.6	130.7	133.3	131.6	132.4
60°	98.0	98.9	98.9	99.8	98.9	98.9	98.0	99.8	99.8	100.7	100.7
62.5°	72.4	75.0	73.3	75.0	73.3	75.0	72.4	73.3	73.3	74.2	75.0
65°	46.8	46.8	46.8	47.7	46.8	46.8	46.8	47.7	48.6	47.7	50.3
67.5°	31.8	32.7	34.5	33.5	34.5	32.7	31.8	32.7	32.7	35.3	34.5
70°	25.6	23.0	23.0	25.6	23.0	23.0	25.6	23.8	23.0	24.7	23.8
72.5°	15.0	13.2	15.0	15.0	15.0	13.2	15.0	13.2	14.1	14.1	15.9
75°	8.0	7.1	6.2	8.8	6.2	7.1	8.0	8.0	8.0	8.0	8.8
77.5°	5.3	4.4	6.2	6.2	6.2	4.4	5.3	4.4	5.3	4.4	5.3
80°	2.7	3.5	2.7	4.4	2.7	3.5	2.7	4.4	2.7	3.5	3.5
82.5°	0.9	1.8	1.8	1.8	1.8	1.8	0.9	0.9	1.8	1.8	0.9
85°	0.0	1.8	0.9	0.9	0.9	1.8	0.0	0.0	0.0	0.0	0.0
87.5°	0.9	0.0	0.0	0.9	0.0	0.0	0.9	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: P244971

CATALOG NUMBER: LD8B30D010 ER8B30840 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3
2.5°	1826.8	1824.2	1825.1	1819.8	1819.8	1818.0	1818.9	1814.5	1812.7	1811.0	1813.6
5°	1853.3	1848.9	1845.4	1837.5	1833.0	1827.8	1825.1	1818.0	1811.8	1806.5	1805.7
7.5°	1874.5	1864.8	1858.6	1848.0	1840.1	1833.9	1825.1	1815.4	1807.4	1800.4	1795.1
10°	1883.4	1873.7	1864.0	1850.7	1841.9	1830.4	1821.5	1809.2	1798.6	1788.9	1782.7
12.5°	1884.2	1871.9	1863.0	1848.0	1836.6	1824.2	1814.5	1800.4	1788.0	1778.3	1768.6
15°	1876.3	1864.8	1854.2	1838.3	1826.8	1815.4	1803.9	1788.9	1777.4	1765.9	1758.9
17.5°	1858.6	1848.0	1835.7	1820.7	1810.1	1799.5	1787.1	1774.8	1761.5	1749.1	1740.3
20°	1835.7	1824.2	1813.6	1798.6	1789.8	1778.3	1766.8	1753.6	1743.0	1730.6	1720.9
22.5°	1801.3	1790.7	1780.9	1772.1	1758.0	1749.1	1741.2	1726.2	1715.6	1704.1	1693.5
25°	1751.8	1741.2	1733.3	1722.7	1716.5	1706.8	1698.8	1685.6	1675.9	1665.3	1656.4
27.5°	1670.6	1664.4	1660.0	1653.8	1648.5	1644.1	1639.7	1629.1	1622.0	1612.3	1603.5
30°	1548.7	1547.8	1545.2	1542.5	1546.1	1546.1	1546.1	1544.3	1538.1	1531.0	1524.9
32.5°	1392.4	1394.2	1397.7	1400.4	1407.4	1415.4	1422.5	1426.0	1426.0	1421.6	1418.9
35°	1206.1	1208.8	1214.1	1221.1	1230.0	1239.7	1255.6	1259.1	1261.7	1261.7	1258.2
37.5°	1012.8	1011.9	1017.2	1023.4	1028.7	1035.7	1047.2	1049.9	1054.3	1052.5	1048.9
40°	824.7	820.3	818.5	820.3	826.5	823.8	826.5	824.7	824.7	818.5	818.5
42.5°	650.7	645.5	641.9	639.3	639.3	633.1	628.7	624.3	621.6	617.2	616.3
45°	501.5	495.3	490.9	489.1	486.5	478.6	473.3	468.0	461.8	460.0	460.9
47.5°	389.4	383.2	381.4	377.0	372.6	368.2	364.7	358.5	357.6	354.1	357.6
50°	300.2	298.5	295.8	294.0	291.4	287.8	284.3	280.8	279.0	279.0	279.9
52.5°	233.1	234.0	231.3	228.7	226.9	226.9	222.5	221.6	221.6	218.1	221.6
55°	178.4	177.5	178.4	176.6	176.6	173.9	173.9	171.3	171.3	168.6	170.4
57.5°	130.7	132.4	130.7	131.6	133.3	130.7	129.8	127.1	128.9	127.1	128.0
60°	101.5	101.5	101.5	100.7	100.7	99.8	99.8	98.9	98.9	97.1	98.9
62.5°	75.0	75.9	75.9	75.9	76.8	75.9	75.0	75.9	75.0	75.0	75.9
65°	49.5	50.3	50.3	49.5	51.2	49.5	50.3	51.2	52.1	51.2	52.1
67.5°	33.5	33.5	34.5	35.3	34.5	35.3	36.2	35.3	36.2	38.0	36.2
70°	24.7	25.6	25.6	24.7	23.8	24.7	23.8	26.5	26.5	26.5	28.2
72.5°	15.9	15.9	15.0	15.0	15.0	15.0	15.0	17.7	15.9	15.0	16.8
75°	8.8	9.7	9.7	7.1	8.0	9.7	7.1	8.0	10.6	8.8	10.6
77.5°	5.3	5.3	5.3	5.3	5.3	5.3	7.1	6.2	6.2	6.2	7.1
80°	4.4	3.5	3.5	2.7	3.5	3.5	3.5	5.3	4.4	4.4	5.3
82.5°	1.8	1.8	0.9	0.0	1.8	1.8	1.8	1.8	1.8	1.8	3.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	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: P244971

CATALOG NUMBER: LD8B30D010 ER8B30840 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3
2.5°	1806.5	1806.5	1805.7	1803.9	1800.4	1800.4	1799.5	1796.8	1795.1	1794.2	1794.2
5°	1797.7	1794.2	1790.7	1780.9	1780.9	1779.2	1773.9	1770.3	1768.6	1764.2	1762.4
7.5°	1789.8	1779.2	1773.0	1766.8	1758.9	1755.3	1749.1	1746.5	1740.3	1735.9	1733.3
10°	1770.3	1763.3	1755.3	1745.6	1739.4	1732.4	1725.3	1720.0	1712.1	1707.6	1704.1
12.5°	1757.1	1746.5	1739.4	1728.8	1718.3	1712.1	1702.4	1696.2	1688.2	1679.4	1674.1
15°	1744.7	1733.3	1723.6	1712.1	1700.6	1693.5	1682.1	1675.0	1663.5	1654.7	1648.5
17.5°	1726.2	1716.5	1705.9	1691.8	1681.2	1672.4	1660.0	1651.2	1640.6	1629.1	1622.9
20°	1706.8	1695.3	1684.7	1670.6	1660.0	1649.4	1637.0	1627.3	1614.9	1604.4	1597.3
22.5°	1681.2	1667.9	1659.1	1644.9	1632.6	1621.1	1609.7	1598.2	1586.7	1577.9	1569.9
25°	1644.1	1629.9	1620.2	1608.8	1597.3	1588.5	1574.3	1567.3	1555.8	1547.8	1539.9
27.5°	1591.1	1580.5	1571.7	1560.2	1550.5	1543.4	1532.8	1525.8	1516.0	1509.0	1502.8
30°	1513.4	1504.6	1496.6	1485.1	1478.1	1471.9	1462.2	1456.0	1448.9	1441.0	1439.2
32.5°	1409.2	1402.1	1394.2	1386.3	1380.9	1377.4	1369.5	1365.9	1358.9	1354.5	1350.1
35°	1252.0	1245.9	1241.5	1237.9	1236.2	1237.0	1235.3	1238.8	1240.6	1239.7	1240.6
37.5°	1046.3	1042.8	1044.6	1047.2	1056.0	1067.5	1078.1	1094.0	1104.6	1115.2	1124.9
40°	816.8	819.4	826.5	842.3	865.3	890.9	914.8	944.8	974.8	996.0	1015.4
42.5°	616.3	624.3	641.9	664.9	699.3	737.3	774.4	818.5	854.7	890.0	914.8
45°	463.6	474.1	497.1	528.9	566.9	611.0	657.8	707.2	750.5	786.7	814.1
47.5°	361.1	370.9	393.8	427.4	474.1	520.1	568.6	619.8	664.9	700.2	724.0
50°	285.2	297.5	317.9	353.2	400.0	448.6	498.9	549.2	591.6	621.6	642.8
52.5°	224.3	235.8	255.2	292.3	340.0	388.5	435.3	484.8	521.8	551.0	565.1
55°	173.9	184.6	204.8	235.8	280.8	328.5	375.2	417.7	452.1	473.3	486.5
57.5°	132.4	140.4	154.5	185.4	226.1	270.2	309.9	352.3	378.8	393.8	402.6
60°	100.7	106.9	121.9	145.7	182.8	220.8	254.3	286.1	307.3	319.6	328.5
62.5°	75.9	83.0	93.6	113.9	142.1	173.1	201.3	225.1	242.8	250.8	256.9
65°	52.1	57.4	65.3	81.2	105.1	127.1	149.2	166.9	178.4	187.2	190.7
67.5°	38.9	42.4	46.8	59.2	75.9	93.6	108.6	121.0	133.3	136.9	143.0
70°	29.1	31.8	36.2	45.0	54.7	67.1	79.5	86.5	95.4	101.5	103.3
72.5°	18.5	19.4	23.8	29.1	37.1	45.0	53.0	59.2	64.5	68.0	69.7
75°	10.6	15.9	15.9	21.2	26.5	30.0	35.3	39.7	42.4	45.0	45.0
77.5°	7.1	9.7	10.6	13.2	15.9	20.3	24.7	27.4	30.0	30.9	30.9
80°	6.2	7.1	7.1	9.7	11.5	15.0	17.7	18.5	20.3	21.2	23.0
82.5°	2.7	3.5	4.4	7.1	8.0	8.0	10.6	11.5	13.2	14.1	14.1
85°	0.9	1.8	1.8	2.7	4.4	5.3	6.2	7.1	8.0	8.0	8.8
87.5°	0.9	0.9	0.0	0.9	1.8	1.8	3.5	3.5	3.5	5.3	5.3
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: P244971

CATALOG NUMBER: LD8B30D010 ER8B30840 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3
2.5°	1792.4	1793.3	1789.8	1788.9	1787.1	1788.0	1789.8
5°	1759.8	1760.6	1757.1	1753.6	1753.6	1752.7	1753.6
7.5°	1728.8	1729.7	1724.4	1722.7	1719.1	1720.0	1720.0
10°	1697.9	1697.9	1690.0	1689.1	1686.5	1685.6	1685.6
12.5°	1667.9	1665.3	1659.1	1655.6	1657.3	1652.0	1652.0
15°	1641.4	1637.0	1629.1	1626.4	1622.0	1620.2	1620.2
17.5°	1614.1	1610.5	1603.5	1598.2	1592.9	1592.0	1592.9
20°	1587.6	1584.0	1575.2	1571.7	1567.3	1567.3	1565.5
22.5°	1561.1	1557.5	1549.6	1547.0	1540.8	1540.8	1541.7
25°	1533.7	1531.0	1522.2	1520.5	1519.6	1516.0	1517.8
27.5°	1496.6	1494.8	1487.8	1485.1	1481.6	1480.7	1482.5
30°	1428.6	1426.0	1420.7	1418.1	1411.9	1412.7	1414.5
32.5°	1343.9	1340.4	1333.3	1330.6	1325.3	1323.6	1324.4
35°	1237.9	1235.3	1229.1	1229.1	1223.8	1222.0	1223.8
37.5°	1130.2	1132.8	1130.2	1132.8	1130.2	1129.3	1130.2
40°	1028.7	1038.4	1040.1	1049.9	1046.3	1051.6	1050.7
42.5°	931.5	947.4	953.6	961.5	959.8	963.3	966.0
45°	833.5	846.8	852.9	858.3	859.1	860.9	861.8
47.5°	740.8	751.4	752.3	758.5	757.6	757.6	760.2
50°	654.3	661.3	663.1	667.5	664.0	662.2	663.1
52.5°	573.9	581.0	579.2	581.0	576.6	574.8	575.7
55°	491.8	495.3	495.3	495.3	490.1	490.1	490.1
57.5°	407.9	408.8	407.0	407.9	407.0	401.7	400.9
60°	331.1	331.1	330.2	331.1	328.5	325.8	325.8
62.5°	258.7	260.5	264.0	260.5	258.7	260.5	257.8
65°	193.4	196.9	196.0	197.8	196.9	196.9	195.1
67.5°	145.7	146.6	147.4	148.4	148.4	148.4	148.4
70°	106.9	109.5	108.6	108.6	108.6	108.6	113.9
72.5°	71.5	75.0	74.2	75.9	75.9	77.7	75.9
75°	48.6	52.1	50.3	53.0	52.1	50.3	54.7
77.5°	32.7	34.5	35.3	36.2	35.3	34.5	35.3
80°	23.0	24.7	23.8	24.7	24.7	24.7	25.6
82.5°	14.1	16.8	15.9	16.8	15.9	16.8	16.8
85°	9.7	10.6	8.8	10.6	9.7	9.7	11.5
87.5°	6.2	5.3	5.3	6.2	5.3	6.2	5.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)