

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: P245973

Luminaire Tested: **LD8B30D010 ER8B30835 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245973
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 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3061.0 lumens
Efficiency: N/A
Efficacy: 113.0 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

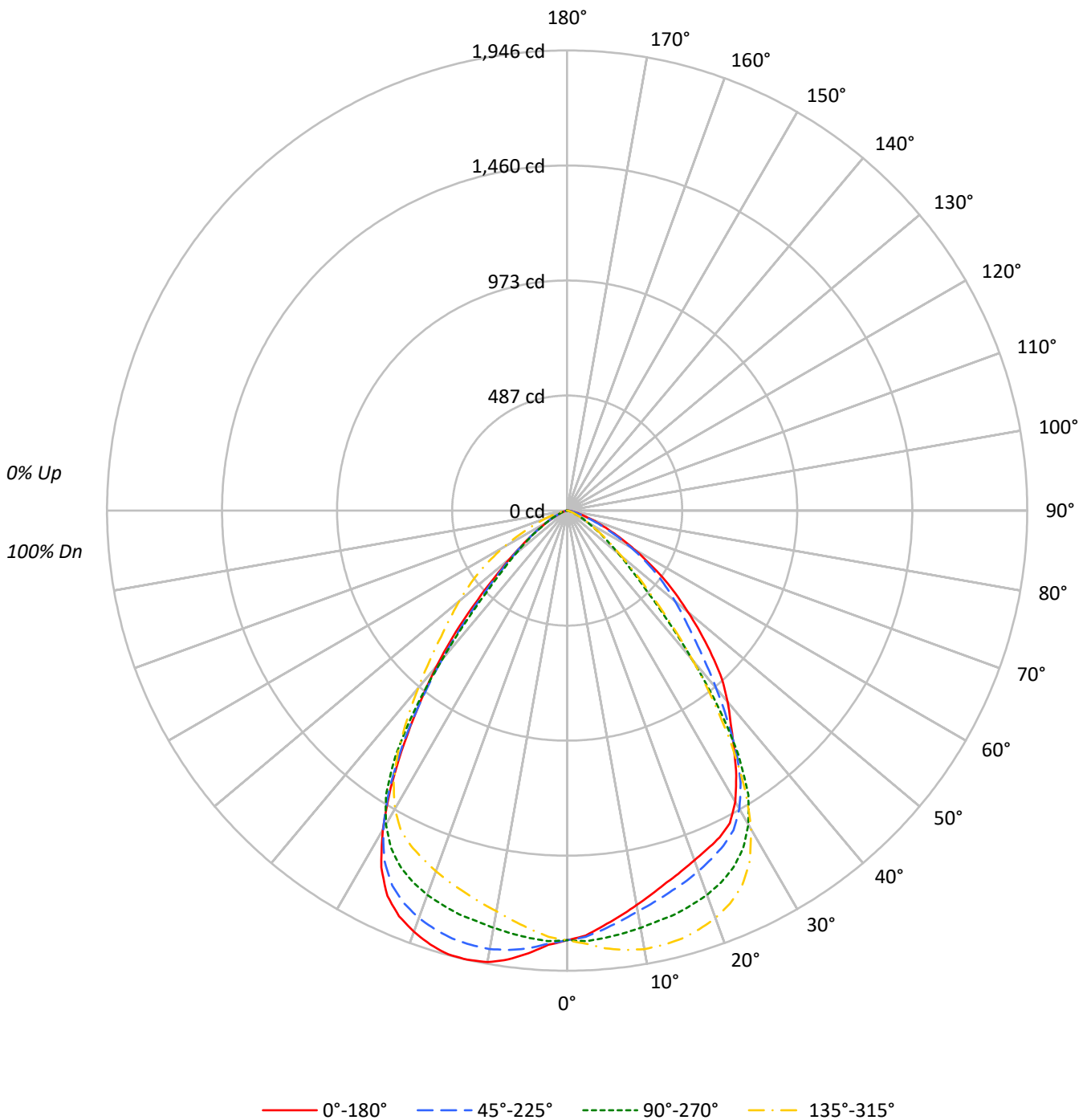
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	56036	56036	56036	56036
5°	54547	56169	58172	56169
10°	53039	56095	60708	56095
15°	51979	56426	62035	56426
20°	51625	56751	62195	56751
25°	51897	56637	61196	56637
30°	50615	54564	55543	54564
35°	46295	47597	45162	47597
40°	42504	33109	34574	33109
45°	37766	20200	23370	20200
50°	31969	13495	14982	13495
55°	26478	9209	9731	9209
60°	20192	6130	6186	6130
65°	14308	3816	3495	3816
70°	10323	2561	2317	2561
75°	6553	1275	1060	1275
80°	4564	941	781	941
85°	4069	0	318	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.0	5.7
10°-20°	500.9	16.4
20°-30°	758.4	24.8
30°-40°	760.1	24.8
40°-50°	477.3	15.6
50°-60°	254.4	8.3
60°-70°	104.6	3.4
70°-80°	27.6	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°	1432.3	46.8
0°-40°	2192.4	71.6
0°-60°	2924.1	95.5
0°-90°	3061.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3061.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1817	1817	1817	1817	1817	
5°	1762	1815	1879	1815	1762	166
15°	1628	1768	1943	1768	1628	461
25°	1525	1665	1799	1665	1525	700
35°	1230	1264	1200	1264	1230	770
45°	866	463	536	463	866	666
55°	492	171	181	171	492	439
65°	196	52	48	52	196	203
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°	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2
2.5°	1798.6	1796.8	1795.9	1797.7	1798.6	1802.1	1801.3	1803.0	1803.0	1803.9	1805.7
5°	1762.2	1761.3	1762.2	1762.2	1765.8	1769.3	1768.4	1771.1	1772.8	1777.3	1779.1
7.5°	1728.5	1728.5	1727.6	1731.1	1732.9	1738.3	1737.3	1741.8	1744.5	1748.9	1755.1
10°	1693.9	1693.9	1694.8	1697.4	1698.3	1706.3	1706.3	1712.5	1716.1	1720.5	1728.5
12.5°	1660.2	1660.2	1665.5	1663.7	1667.3	1673.5	1676.1	1682.3	1687.7	1696.5	1704.5
15°	1628.2	1628.2	1630.0	1634.4	1637.1	1645.1	1649.5	1656.6	1662.8	1671.7	1683.3
17.5°	1600.7	1599.8	1600.7	1606.0	1611.4	1618.5	1622.0	1630.9	1637.1	1648.6	1659.3
20°	1573.2	1575.0	1575.0	1579.4	1583.0	1591.8	1595.4	1605.2	1612.3	1622.9	1635.3
22.5°	1549.3	1548.4	1548.4	1554.6	1557.3	1565.2	1568.8	1577.6	1585.6	1594.5	1606.0
25°	1525.3	1523.5	1527.1	1528.0	1529.7	1538.6	1541.3	1547.5	1555.5	1563.5	1575.0
27.5°	1489.8	1488.0	1488.9	1492.5	1495.1	1502.2	1504.0	1510.2	1516.4	1523.5	1533.3
30°	1421.5	1419.7	1418.8	1425.0	1427.7	1433.0	1435.7	1446.3	1448.1	1456.1	1463.2
32.5°	1331.0	1330.1	1331.9	1337.2	1339.8	1347.0	1350.5	1356.7	1361.1	1365.6	1372.7
35°	1229.8	1228.0	1229.8	1235.2	1235.2	1241.4	1244.0	1246.7	1245.8	1246.7	1244.9
37.5°	1135.8	1134.9	1135.8	1138.4	1135.8	1138.4	1135.8	1130.4	1120.7	1110.0	1099.4
40°	1055.9	1056.8	1051.5	1055.0	1045.2	1043.5	1033.7	1020.4	1000.9	979.6	949.4
42.5°	970.7	968.1	964.5	966.3	958.3	952.1	936.1	919.3	894.4	858.9	822.5
45°	866.0	865.1	863.4	862.5	857.1	850.9	837.6	818.1	790.6	754.2	710.7
47.5°	764.0	761.3	761.3	762.2	756.0	755.1	744.4	727.6	703.6	668.1	622.9
50°	666.4	665.5	667.3	670.8	666.4	664.6	657.5	646.0	624.7	594.5	551.9
52.5°	578.5	577.6	579.4	583.9	582.1	583.9	576.8	567.9	553.7	524.4	487.1
55°	492.5	492.5	492.5	497.8	497.8	497.8	494.2	488.9	475.6	454.3	419.7
57.5°	402.8	403.7	409.1	409.9	409.1	410.8	409.9	404.6	395.8	380.7	354.1
60°	327.4	327.4	330.1	332.8	331.8	332.8	332.8	330.1	321.2	308.8	287.5
62.5°	259.1	261.8	260.0	261.8	265.3	261.8	260.0	258.2	252.0	244.0	226.3
65°	196.1	197.9	197.9	198.8	197.0	197.9	194.3	191.7	188.1	179.3	167.7
67.5°	149.1	149.1	149.1	149.1	148.2	147.3	146.4	143.8	137.5	134.0	121.5
70°	114.5	109.1	109.1	109.1	109.1	110.0	107.4	103.8	102.0	95.8	87.0
72.5°	76.3	78.1	76.3	76.3	74.5	75.4	71.9	70.1	68.3	64.8	59.5
75°	55.0	50.6	52.3	53.2	50.6	52.3	48.8	45.3	45.3	42.6	39.9
77.5°	35.5	34.6	35.5	36.4	35.5	34.6	32.8	31.0	31.0	30.2	27.5
80°	25.7	24.8	24.8	24.8	24.0	24.8	23.1	23.1	21.3	20.4	18.6
82.5°	16.9	16.9	16.0	16.9	16.0	16.9	14.2	14.2	14.2	13.3	11.5
85°	11.5	9.8	9.8	10.7	8.9	10.7	9.8	8.9	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°	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2
2.5°	1808.3	1809.2	1809.2	1812.8	1814.6	1815.4	1815.4	1822.6	1819.9	1821.7	1823.4
5°	1782.6	1787.9	1789.7	1789.7	1799.5	1803.0	1806.6	1814.6	1815.4	1820.8	1827.0
7.5°	1757.8	1764.0	1767.5	1775.5	1781.7	1787.9	1798.6	1803.9	1809.2	1816.3	1824.3
10°	1733.8	1740.9	1748.0	1754.2	1764.0	1772.0	1779.1	1791.5	1797.7	1807.5	1818.1
12.5°	1710.8	1720.5	1726.7	1737.3	1748.0	1755.1	1765.8	1777.3	1787.1	1796.8	1809.2
15°	1690.3	1701.9	1709.0	1720.5	1732.0	1741.8	1753.3	1767.5	1774.6	1786.2	1797.7
17.5°	1668.1	1680.6	1689.5	1700.1	1714.3	1724.9	1734.7	1748.9	1757.8	1770.2	1783.5
20°	1645.1	1657.5	1668.1	1678.8	1693.0	1703.6	1715.2	1729.4	1739.1	1751.6	1762.2
22.5°	1617.6	1629.1	1640.6	1653.0	1667.3	1676.1	1689.5	1701.9	1712.5	1724.0	1734.7
25°	1582.1	1596.3	1605.2	1616.7	1628.2	1638.0	1652.2	1664.6	1673.5	1684.1	1693.9
27.5°	1540.4	1551.0	1558.1	1567.9	1579.4	1588.3	1598.9	1611.4	1620.3	1630.0	1637.1
30°	1469.4	1479.2	1485.4	1492.5	1504.0	1512.0	1520.9	1532.4	1538.6	1545.7	1551.9
32.5°	1376.2	1384.2	1387.7	1393.1	1401.1	1409.0	1416.2	1425.9	1428.6	1433.0	1433.0
35°	1241.4	1243.1	1242.2	1244.0	1247.6	1252.0	1258.2	1264.4	1268.0	1268.0	1265.3
37.5°	1083.4	1072.8	1061.2	1052.4	1049.7	1047.9	1051.5	1054.1	1057.7	1059.4	1055.0
40°	919.3	895.3	869.6	846.5	830.5	823.4	820.8	822.5	822.5	828.7	828.7
42.5°	778.2	740.9	702.8	668.1	645.1	627.3	619.4	619.4	620.2	624.7	627.3
45°	661.1	614.0	569.6	531.5	499.6	476.5	465.8	463.2	462.3	464.1	470.3
47.5°	571.4	522.6	476.5	429.5	395.8	372.7	362.9	359.3	355.8	359.3	360.3
50°	501.3	450.8	402.0	354.9	319.4	299.0	286.6	281.3	280.4	280.4	282.2
52.5°	437.4	390.4	341.6	293.7	256.4	236.9	225.4	222.7	219.2	222.7	222.7
55°	377.1	330.1	282.2	236.9	205.8	185.5	174.8	171.3	169.5	172.1	172.1
57.5°	311.5	271.5	227.2	186.3	155.3	141.1	133.1	128.7	127.8	129.5	127.8
60°	255.5	221.8	183.7	146.4	122.5	107.4	101.2	99.4	97.6	99.4	99.4
62.5°	202.3	173.9	142.8	114.5	94.0	83.4	76.3	76.3	75.4	75.4	76.3
65°	150.0	127.8	105.6	81.6	65.7	57.7	52.3	52.3	51.5	52.3	51.5
67.5°	109.1	94.0	76.3	59.5	47.0	42.6	39.0	36.4	38.2	36.4	35.5
70°	79.9	67.4	55.0	45.3	36.4	32.0	29.3	28.4	26.6	26.6	26.6
72.5°	53.2	45.3	37.3	29.3	24.0	19.5	18.6	16.9	15.1	16.0	17.7
75°	35.5	30.2	26.6	21.3	16.0	16.0	10.7	10.7	8.9	10.7	8.0
77.5°	24.8	20.4	16.0	13.3	10.7	9.8	7.1	7.1	6.2	6.2	6.2
80°	17.7	15.1	11.5	9.8	7.1	7.1	6.2	5.3	4.4	4.4	5.3
82.5°	10.7	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°	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2
2.5°	1827.9	1827.0	1828.8	1828.8	1834.1	1833.2	1835.8	1835.8	1834.1	1835.0	1838.5
5°	1834.1	1836.8	1842.1	1846.5	1854.5	1858.1	1862.5	1866.9	1867.8	1870.5	1873.1
7.5°	1834.1	1843.0	1849.2	1857.1	1867.8	1874.0	1883.8	1891.8	1895.3	1899.7	1905.1
10°	1830.5	1839.4	1850.9	1859.8	1873.1	1882.9	1892.6	1905.1	1910.4	1917.5	1924.6
12.5°	1823.4	1833.2	1845.6	1857.1	1872.2	1881.1	1893.5	1905.1	1913.1	1922.8	1930.8
15°	1812.8	1824.3	1835.8	1847.4	1863.3	1874.0	1885.6	1898.8	1906.8	1917.5	1924.6
17.5°	1795.9	1808.3	1819.0	1829.6	1844.7	1857.1	1867.8	1880.2	1888.2	1897.1	1906.8
20°	1775.5	1787.1	1798.6	1807.5	1822.6	1833.2	1844.7	1856.3	1862.5	1864.3	1879.3
22.5°	1749.8	1757.8	1766.6	1780.8	1789.7	1799.5	1810.1	1820.8	1827.0	1836.8	1842.1
25°	1707.2	1715.2	1724.9	1731.1	1741.8	1749.8	1760.4	1772.0	1775.5	1782.6	1787.9
27.5°	1647.8	1652.2	1656.6	1661.9	1668.1	1672.6	1678.8	1684.1	1687.7	1691.2	1694.8
30°	1553.7	1553.7	1553.7	1550.1	1552.8	1555.5	1556.3	1555.5	1555.5	1554.6	1554.6
32.5°	1429.5	1422.4	1414.4	1407.3	1404.6	1401.1	1399.3	1396.6	1392.2	1389.5	1390.4
35°	1261.7	1245.8	1236.0	1227.2	1220.1	1214.7	1212.1	1209.4	1208.5	1205.0	1201.4
37.5°	1052.4	1040.8	1033.7	1028.4	1022.2	1016.9	1017.7	1018.7	1021.3	1019.5	1020.4
40°	830.5	827.9	830.5	824.3	822.5	824.3	828.7	835.0	838.5	842.1	848.3
42.5°	631.8	636.2	642.4	642.4	645.1	648.6	653.9	663.7	669.0	675.2	682.4
45°	475.6	480.9	488.9	491.6	493.3	497.8	504.0	512.0	515.5	520.8	527.1
47.5°	366.5	370.0	374.4	378.9	383.3	385.1	391.3	391.3	395.8	399.3	401.1
50°	285.7	289.3	292.8	295.5	297.3	299.9	301.7	304.3	305.2	307.0	307.9
52.5°	223.6	228.0	228.0	229.8	232.5	235.1	234.3	235.1	236.0	236.0	238.7
55°	174.8	174.8	177.5	177.5	179.3	178.3	179.3	179.3	179.3	179.3	180.1
57.5°	130.4	131.3	134.0	132.2	131.3	133.1	131.3	133.1	132.2	134.0	131.3
60°	100.3	100.3	101.2	101.2	102.0	102.0	102.0	101.2	101.2	100.3	100.3
62.5°	75.4	76.3	77.2	76.3	76.3	76.3	75.4	75.4	74.5	73.6	73.6
65°	50.6	49.7	51.5	49.7	50.6	50.6	49.7	50.6	47.9	48.8	47.9
67.5°	36.4	35.5	34.6	35.5	34.6	33.7	33.7	34.6	35.5	32.8	32.8
70°	24.0	24.8	24.0	24.8	25.7	25.7	24.8	24.0	24.8	23.1	24.0
72.5°	15.1	15.1	15.1	15.1	15.1	16.0	16.0	16.0	14.2	14.2	13.3
75°	7.1	9.8	8.0	7.1	9.8	9.8	8.9	8.9	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: P245973

CATALOG NUMBER: LD8B30D010 ER8B30835 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2
2.5°	1837.6	1836.8	1837.6	1838.5	1837.6	1836.8	1837.6	1838.5	1835.0	1834.1	1835.8
5°	1876.7	1876.7	1878.4	1879.3	1878.4	1876.7	1876.7	1873.1	1870.5	1867.8	1866.9
7.5°	1910.4	1912.2	1913.9	1914.8	1913.9	1912.2	1910.4	1905.1	1899.7	1895.3	1891.8
10°	1930.8	1933.5	1937.0	1938.8	1937.0	1933.5	1930.8	1924.6	1917.5	1910.4	1905.1
12.5°	1939.7	1942.3	1946.8	1945.9	1946.8	1942.3	1939.7	1930.8	1922.8	1913.1	1905.1
15°	1933.5	1937.0	1941.4	1943.2	1941.4	1937.0	1933.5	1924.6	1917.5	1906.8	1898.8
17.5°	1913.9	1919.3	1921.9	1924.6	1921.9	1919.3	1913.9	1906.8	1897.1	1888.2	1880.2
20°	1887.3	1890.9	1894.4	1895.3	1894.4	1890.9	1887.3	1879.3	1864.3	1862.5	1856.3
22.5°	1849.2	1851.8	1859.8	1857.1	1859.8	1851.8	1849.2	1842.1	1836.8	1827.0	1820.8
25°	1794.1	1796.8	1797.7	1798.6	1797.7	1796.8	1794.1	1787.9	1782.6	1775.5	1772.0
27.5°	1699.2	1699.2	1701.0	1701.9	1701.0	1699.2	1699.2	1694.8	1691.2	1687.7	1684.1
30°	1555.5	1555.5	1555.5	1559.9	1555.5	1555.5	1555.5	1554.6	1554.6	1555.5	1555.5
32.5°	1389.5	1387.7	1386.0	1387.7	1386.0	1387.7	1389.5	1390.4	1389.5	1392.2	1396.6
35°	1201.4	1200.5	1203.2	1199.7	1203.2	1200.5	1201.4	1201.4	1205.0	1208.5	1209.4
37.5°	1021.3	1019.5	1023.1	1019.5	1023.1	1019.5	1021.3	1020.4	1019.5	1021.3	1018.7
40°	850.1	851.8	851.8	858.9	851.8	851.8	850.1	848.3	842.1	838.5	835.0
42.5°	685.9	691.2	689.4	694.8	689.4	691.2	685.9	682.4	675.2	669.0	663.7
45°	530.6	534.2	534.2	535.9	534.2	534.2	530.6	527.1	520.8	515.5	512.0
47.5°	407.3	407.3	407.3	408.2	407.3	407.3	407.3	401.1	399.3	395.8	391.3
50°	309.7	310.6	311.5	312.3	311.5	310.6	309.7	307.9	307.0	305.2	304.3
52.5°	237.8	238.7	236.9	238.7	236.9	238.7	237.8	238.7	236.0	236.0	235.1
55°	180.1	179.3	180.1	181.0	180.1	179.3	180.1	180.1	179.3	179.3	179.3
57.5°	132.2	130.4	130.4	130.4	130.4	130.4	132.2	131.3	134.0	132.2	133.1
60°	98.5	99.4	99.4	100.3	99.4	99.4	98.5	100.3	100.3	101.2	101.2
62.5°	72.8	75.4	73.6	75.4	73.6	75.4	72.8	73.6	73.6	74.5	75.4
65°	47.0	47.0	47.0	47.9	47.0	47.0	47.0	47.9	48.8	47.9	50.6
67.5°	32.0	32.8	34.6	33.7	34.6	32.8	32.0	32.8	32.8	35.5	34.6
70°	25.7	23.1	23.1	25.7	23.1	23.1	25.7	24.0	23.1	24.8	24.0
72.5°	15.1	13.3	15.1	15.1	15.1	13.3	15.1	13.3	14.2	14.2	16.0
75°	8.0	7.1	6.2	8.9	6.2	7.1	8.0	8.0	8.0	8.0	8.9
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: P245973

CATALOG NUMBER: LD8B30D010 ER8B30835 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2
2.5°	1835.8	1833.2	1834.1	1828.8	1828.8	1827.0	1827.9	1823.4	1821.7	1819.9	1822.6
5°	1862.5	1858.1	1854.5	1846.5	1842.1	1836.8	1834.1	1827.0	1820.8	1815.4	1814.6
7.5°	1883.8	1874.0	1867.8	1857.1	1849.2	1843.0	1834.1	1824.3	1816.3	1809.2	1803.9
10°	1892.6	1882.9	1873.1	1859.8	1850.9	1839.4	1830.5	1818.1	1807.5	1797.7	1791.5
12.5°	1893.5	1881.1	1872.2	1857.1	1845.6	1833.2	1823.4	1809.2	1796.8	1787.1	1777.3
15°	1885.6	1874.0	1863.3	1847.4	1835.8	1824.3	1812.8	1797.7	1786.2	1774.6	1767.5
17.5°	1867.8	1857.1	1844.7	1829.6	1819.0	1808.3	1795.9	1783.5	1770.2	1757.8	1748.9
20°	1844.7	1833.2	1822.6	1807.5	1798.6	1787.1	1775.5	1762.2	1751.6	1739.1	1729.4
22.5°	1810.1	1799.5	1789.7	1780.8	1766.6	1757.8	1749.8	1734.7	1724.0	1712.5	1701.9
25°	1760.4	1749.8	1741.8	1731.1	1724.9	1715.2	1707.2	1693.9	1684.1	1673.5	1664.6
27.5°	1678.8	1672.6	1668.1	1661.9	1656.6	1652.2	1647.8	1637.1	1630.0	1620.3	1611.4
30°	1556.3	1555.5	1552.8	1550.1	1553.7	1553.7	1553.7	1551.9	1545.7	1538.6	1532.4
32.5°	1399.3	1401.1	1404.6	1407.3	1414.4	1422.4	1429.5	1433.0	1433.0	1428.6	1425.9
35°	1212.1	1214.7	1220.1	1227.2	1236.0	1245.8	1261.7	1265.3	1268.0	1268.0	1264.4
37.5°	1017.7	1016.9	1022.2	1028.4	1033.7	1040.8	1052.4	1055.0	1059.4	1057.7	1054.1
40°	828.7	824.3	822.5	824.3	830.5	827.9	830.5	828.7	828.7	822.5	822.5
42.5°	653.9	648.6	645.1	642.4	642.4	636.2	631.8	627.3	624.7	620.2	619.4
45°	504.0	497.8	493.3	491.6	488.9	480.9	475.6	470.3	464.1	462.3	463.2
47.5°	391.3	385.1	383.3	378.9	374.4	370.0	366.5	360.3	359.3	355.8	359.3
50°	301.7	299.9	297.3	295.5	292.8	289.3	285.7	282.2	280.4	280.4	281.3
52.5°	234.3	235.1	232.5	229.8	228.0	228.0	223.6	222.7	222.7	219.2	222.7
55°	179.3	178.3	179.3	177.5	177.5	174.8	174.8	172.1	172.1	169.5	171.3
57.5°	131.3	133.1	131.3	132.2	134.0	131.3	130.4	127.8	129.5	127.8	128.7
60°	102.0	102.0	102.0	101.2	101.2	100.3	100.3	99.4	99.4	97.6	99.4
62.5°	75.4	76.3	76.3	76.3	77.2	76.3	75.4	76.3	75.4	75.4	76.3
65°	49.7	50.6	50.6	49.7	51.5	49.7	50.6	51.5	52.3	51.5	52.3
67.5°	33.7	33.7	34.6	35.5	34.6	35.5	36.4	35.5	36.4	38.2	36.4
70°	24.8	25.7	25.7	24.8	24.0	24.8	24.0	26.6	26.6	26.6	28.4
72.5°	16.0	16.0	15.1	15.1	15.1	15.1	15.1	17.7	16.0	15.1	16.9
75°	8.9	9.8	9.8	7.1	8.0	9.8	7.1	8.0	10.7	8.9	10.7
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: P245973

CATALOG NUMBER: LD8B30D010 ER8B30835 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2
2.5°	1815.4	1815.4	1814.6	1812.8	1809.2	1809.2	1808.3	1805.7	1803.9	1803.0	1803.0
5°	1806.6	1803.0	1799.5	1789.7	1789.7	1787.9	1782.6	1779.1	1777.3	1772.8	1771.1
7.5°	1798.6	1787.9	1781.7	1775.5	1767.5	1764.0	1757.8	1755.1	1748.9	1744.5	1741.8
10°	1779.1	1772.0	1764.0	1754.2	1748.0	1740.9	1733.8	1728.5	1720.5	1716.1	1712.5
12.5°	1765.8	1755.1	1748.0	1737.3	1726.7	1720.5	1710.8	1704.5	1696.5	1687.7	1682.3
15°	1753.3	1741.8	1732.0	1720.5	1709.0	1701.9	1690.3	1683.3	1671.7	1662.8	1656.6
17.5°	1734.7	1724.9	1714.3	1700.1	1689.5	1680.6	1668.1	1659.3	1648.6	1637.1	1630.9
20°	1715.2	1703.6	1693.0	1678.8	1668.1	1657.5	1645.1	1635.3	1622.9	1612.3	1605.2
22.5°	1689.5	1676.1	1667.3	1653.0	1640.6	1629.1	1617.6	1606.0	1594.5	1585.6	1577.6
25°	1652.2	1638.0	1628.2	1616.7	1605.2	1596.3	1582.1	1575.0	1563.5	1555.5	1547.5
27.5°	1598.9	1588.3	1579.4	1567.9	1558.1	1551.0	1540.4	1533.3	1523.5	1516.4	1510.2
30°	1520.9	1512.0	1504.0	1492.5	1485.4	1479.2	1469.4	1463.2	1456.1	1448.1	1446.3
32.5°	1416.2	1409.0	1401.1	1393.1	1387.7	1384.2	1376.2	1372.7	1365.6	1361.1	1356.7
35°	1258.2	1252.0	1247.6	1244.0	1242.2	1243.1	1241.4	1244.9	1246.7	1245.8	1246.7
37.5°	1051.5	1047.9	1049.7	1052.4	1061.2	1072.8	1083.4	1099.4	1110.0	1120.7	1130.4
40°	820.8	823.4	830.5	846.5	869.6	895.3	919.3	949.4	979.6	1000.9	1020.4
42.5°	619.4	627.3	645.1	668.1	702.8	740.9	778.2	822.5	858.9	894.4	919.3
45°	465.8	476.5	499.6	531.5	569.6	614.0	661.1	710.7	754.2	790.6	818.1
47.5°	362.9	372.7	395.8	429.5	476.5	522.6	571.4	622.9	668.1	703.6	727.6
50°	286.6	299.0	319.4	354.9	402.0	450.8	501.3	551.9	594.5	624.7	646.0
52.5°	225.4	236.9	256.4	293.7	341.6	390.4	437.4	487.1	524.4	553.7	567.9
55°	174.8	185.5	205.8	236.9	282.2	330.1	377.1	419.7	454.3	475.6	488.9
57.5°	133.1	141.1	155.3	186.3	227.2	271.5	311.5	354.1	380.7	395.8	404.6
60°	101.2	107.4	122.5	146.4	183.7	221.8	255.5	287.5	308.8	321.2	330.1
62.5°	76.3	83.4	94.0	114.5	142.8	173.9	202.3	226.3	244.0	252.0	258.2
65°	52.3	57.7	65.7	81.6	105.6	127.8	150.0	167.7	179.3	188.1	191.7
67.5°	39.0	42.6	47.0	59.5	76.3	94.0	109.1	121.5	134.0	137.5	143.8
70°	29.3	32.0	36.4	45.3	55.0	67.4	79.9	87.0	95.8	102.0	103.8
72.5°	18.6	19.5	24.0	29.3	37.3	45.3	53.2	59.5	64.8	68.3	70.1
75°	10.7	16.0	16.0	21.3	26.6	30.2	35.5	39.9	42.6	45.3	45.3
77.5°	7.1	9.8	10.7	13.3	16.0	20.4	24.8	27.5	30.2	31.0	31.0
80°	6.2	7.1	7.1	9.8	11.5	15.1	17.7	18.6	20.4	21.3	23.1
82.5°	2.7	3.5	4.4	7.1	8.0	8.0	10.7	11.5	13.3	14.2	14.2
85°	0.9	1.8	1.8	2.7	4.4	5.3	6.2	7.1	8.0	8.0	8.9
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: P245973

CATALOG NUMBER: LD8B30D010 ER8B30835 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2	1817.2
2.5°	1801.3	1802.1	1798.6	1797.7	1795.9	1796.8	1798.6
5°	1768.4	1769.3	1765.8	1762.2	1762.2	1761.3	1762.2
7.5°	1737.3	1738.3	1732.9	1731.1	1727.6	1728.5	1728.5
10°	1706.3	1706.3	1698.3	1697.4	1694.8	1693.9	1693.9
12.5°	1676.1	1673.5	1667.3	1663.7	1665.5	1660.2	1660.2
15°	1649.5	1645.1	1637.1	1634.4	1630.0	1628.2	1628.2
17.5°	1622.0	1618.5	1611.4	1606.0	1600.7	1599.8	1600.7
20°	1595.4	1591.8	1583.0	1579.4	1575.0	1575.0	1573.2
22.5°	1568.8	1565.2	1557.3	1554.6	1548.4	1548.4	1549.3
25°	1541.3	1538.6	1529.7	1528.0	1527.1	1523.5	1525.3
27.5°	1504.0	1502.2	1495.1	1492.5	1488.9	1488.0	1489.8
30°	1435.7	1433.0	1427.7	1425.0	1418.8	1419.7	1421.5
32.5°	1350.5	1347.0	1339.8	1337.2	1331.9	1330.1	1331.0
35°	1244.0	1241.4	1235.2	1235.2	1229.8	1228.0	1229.8
37.5°	1135.8	1138.4	1135.8	1138.4	1135.8	1134.9	1135.8
40°	1033.7	1043.5	1045.2	1055.0	1051.5	1056.8	1055.9
42.5°	936.1	952.1	958.3	966.3	964.5	968.1	970.7
45°	837.6	850.9	857.1	862.5	863.4	865.1	866.0
47.5°	744.4	755.1	756.0	762.2	761.3	761.3	764.0
50°	657.5	664.6	666.4	670.8	667.3	665.5	666.4
52.5°	576.8	583.9	582.1	583.9	579.4	577.6	578.5
55°	494.2	497.8	497.8	497.8	492.5	492.5	492.5
57.5°	409.9	410.8	409.1	409.9	409.1	403.7	402.8
60°	332.8	332.8	331.8	332.8	330.1	327.4	327.4
62.5°	260.0	261.8	265.3	261.8	260.0	261.8	259.1
65°	194.3	197.9	197.0	198.8	197.9	197.9	196.1
67.5°	146.4	147.3	148.2	149.1	149.1	149.1	149.1
70°	107.4	110.0	109.1	109.1	109.1	109.1	114.5
72.5°	71.9	75.4	74.5	76.3	76.3	78.1	76.3
75°	48.8	52.3	50.6	53.2	52.3	50.6	55.0
77.5°	32.8	34.6	35.5	36.4	35.5	34.6	35.5
80°	23.1	24.8	24.0	24.8	24.8	24.8	25.7
82.5°	14.2	16.9	16.0	16.9	16.0	16.9	16.9
85°	9.8	10.7	8.9	10.7	9.8	9.8	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)