

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P1004646

Luminaire Tested: S125DR-B850DB2750-4F0-XX-W2A-A_5000K

Issue Date: 5/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1004646
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-22)
Test Lab: INNOVATION CENTER
Issue Date: 5/2/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DR-B850DB2750-4F0-XX-W2A-A_5000K
Description: Define 5 Direct Recessed with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

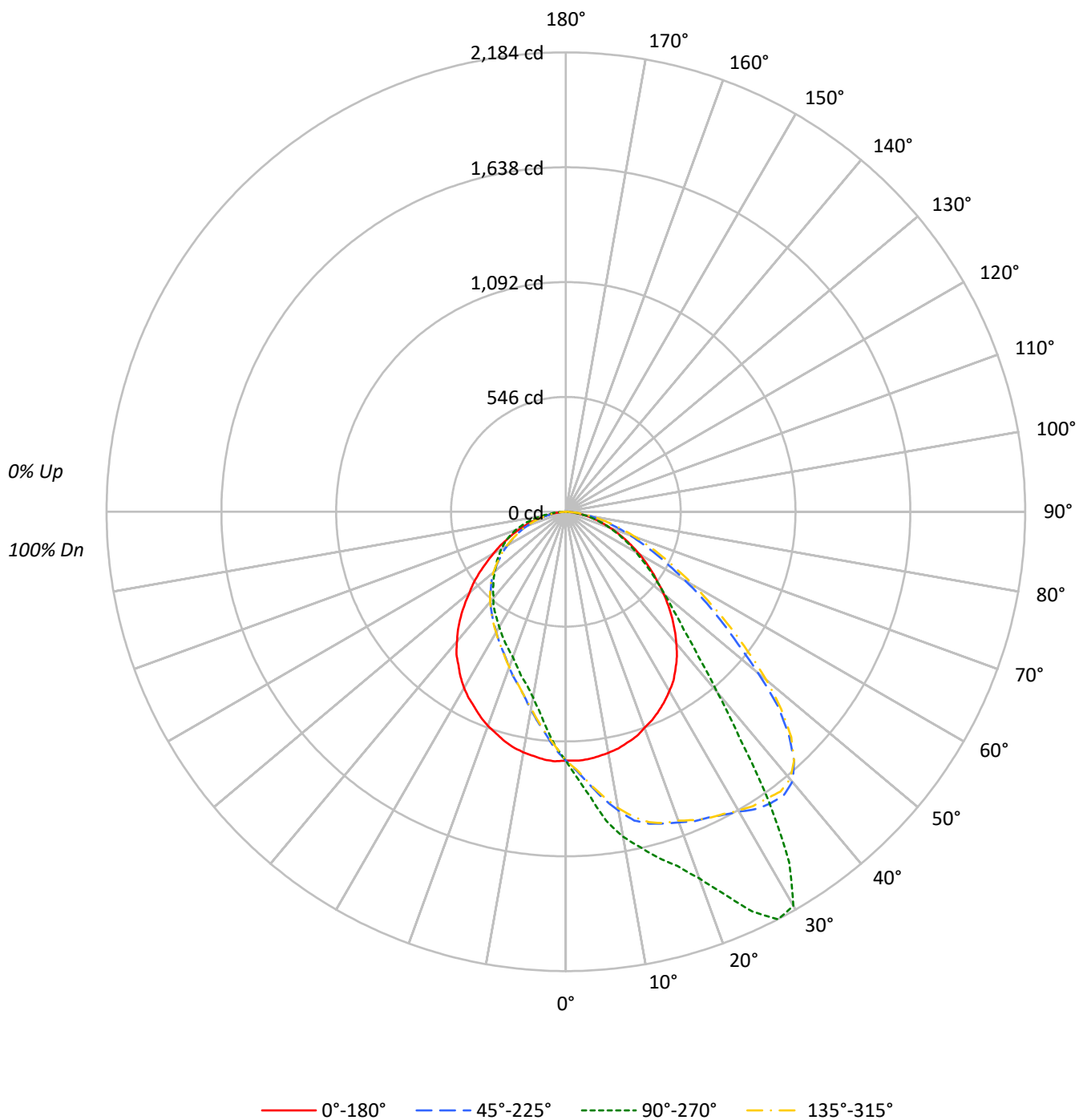
Lumens per Lamp: N/A
Luminaire Lumens: 3337.0 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 35.9
Input Voltage (V):
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: 24 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				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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85			
2	100	92	86	80	98	90	84	79	87	82	78	84	80	76	81	77	74	72			
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61			
4	84	73	64	58	82	71	63	57	69	62	57	67	61	56	64	59	55	53			
5	78	65	56	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46			
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	43	41			
7	67	53	45	39	65	53	45	39	51	44	39	50	43	38	48	42	38	36			
8	62	49	41	35	61	48	40	35	47	40	34	46	39	34	44	39	34	32			
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29			
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7577	7577	7577	7577
5°	7600	8775	7606	6657
10°	7570	10208	7557	5833
15°	7531	11300	7484	5380
20°	7454	12649	7386	5017
25°	7388	14818	7253	4840
30°	7286	16005	7159	4686
35°	7114	13160	6964	4586
40°	6834	9353	6734	4476
45°	6477	7186	6403	4412
50°	6063	6134	5964	4403
55°	5618	5461	5573	4440
60°	5185	4927	5094	4554
65°	4718	4551	4642	4672
70°	4232	4138	4176	4739
75°	3728	3654	3679	4696
80°	3074	3074	2963	4295
85°	2213	2433	2139	3470

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 13726 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.8	3.4
10°-20°	339.0	10.2
20°-30°	550.7	16.5
30°-40°	673.0	20.2
40°-50°	610.5	18.3
50°-60°	486.2	14.6
60°-70°	338.7	10.1
70°-80°	180.4	5.4
80°-90°	44.7	1.3
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°	1003.5	30.1
0°-40°	1676.5	50.2
0°-60°	2773.2	83.1
0°-90°	3337.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3337.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1183	1183	1183	1183	1183	
5°	1182	1364	1183	1035	1182	112
15°	1135	1704	1128	811	1135	320
25°	1045	2096	1026	685	1045	481
35°	910	1682	890	586	910	568
45°	715	793	707	487	715	551
55°	503	489	499	398	503	450
65°	311	300	306	308	311	309
75°	151	148	149	190	151	160
85°	30	33	29	47	30	38
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6
2.5°	1184.6	1191.6	1199.6	1205.6	1215.7	1218.7	1223.7	1226.7	1229.7	1232.7	1234.8
5°	1181.6	1198.6	1213.7	1224.7	1243.8	1250.8	1259.9	1270.9	1283.9	1295.0	1302.0
7.5°	1173.5	1200.6	1220.7	1242.8	1268.9	1286.0	1295.0	1318.1	1339.2	1355.2	1376.3
10°	1163.5	1195.6	1226.7	1259.9	1297.0	1316.1	1334.1	1366.3	1395.4	1421.5	1442.6
12.5°	1152.4	1191.6	1228.7	1271.9	1322.1	1345.2	1357.2	1412.4	1448.6	1462.6	1503.8
15°	1135.4	1181.6	1234.8	1288.0	1330.1	1357.2	1390.4	1434.5	1470.7	1501.8	1534.9
17.5°	1119.3	1169.5	1223.7	1282.9	1344.2	1379.3	1404.4	1443.6	1482.7	1522.9	1554.0
20°	1093.2	1158.5	1213.7	1276.9	1349.2	1374.3	1400.4	1446.6	1488.7	1531.9	1571.1
22.5°	1072.1	1134.4	1209.7	1269.9	1331.1	1356.2	1388.3	1436.5	1486.7	1535.9	1593.1
25°	1045.0	1114.3	1179.5	1243.8	1307.0	1334.1	1363.3	1425.5	1477.7	1540.9	1604.2
27.5°	1015.9	1087.2	1152.4	1210.7	1269.9	1307.0	1338.2	1403.4	1472.7	1541.9	1624.3
30°	984.8	1052.1	1114.3	1171.5	1236.8	1274.9	1306.0	1382.3	1459.6	1548.0	1646.3
32.5°	951.7	1014.9	1068.1	1126.3	1195.6	1230.7	1272.9	1356.2	1447.6	1553.0	1676.5
35°	909.5	969.7	1016.9	1076.1	1145.4	1190.6	1234.8	1328.1	1434.5	1552.0	1693.5
37.5°	867.3	914.5	959.7	1022.9	1103.2	1144.4	1190.6	1293.0	1414.4	1549.0	1700.6
40°	817.1	863.3	902.5	966.7	1051.0	1098.2	1146.4	1253.8	1391.4	1537.9	1675.5
42.5°	767.0	806.1	849.3	916.5	997.8	1048.0	1099.2	1218.7	1361.2	1505.8	1606.2
45°	714.8	744.9	792.1	853.3	939.6	987.8	1046.0	1175.5	1319.1	1447.6	1497.8
47.5°	660.5	690.7	734.8	794.1	879.4	936.6	991.8	1121.3	1265.9	1365.3	1365.3
50°	608.3	632.4	675.6	734.8	821.2	873.4	929.6	1067.1	1183.6	1256.8	1191.6
52.5°	552.1	579.2	615.4	677.6	762.9	810.1	871.4	988.8	1099.2	1129.4	1029.0
55°	502.9	525.0	559.2	618.4	697.7	746.9	799.1	911.5	1004.9	1002.9	895.4
57.5°	451.7	469.8	505.9	560.2	633.4	677.6	729.8	827.2	903.5	876.4	775.0
60°	404.6	417.6	452.7	496.9	567.2	608.3	658.5	737.8	796.1	757.9	655.5
62.5°	355.4	370.4	398.5	441.7	503.9	537.1	574.2	654.5	691.7	657.5	553.1
65°	311.2	323.2	348.3	384.5	440.7	470.8	502.9	569.2	604.3	555.1	468.8
67.5°	267.0	281.1	299.2	331.3	375.4	403.6	431.7	488.9	504.9	460.8	388.5
70°	225.9	237.9	255.0	278.1	315.2	340.3	361.4	408.6	419.6	378.5	321.2
72.5°	185.7	193.7	207.8	226.9	261.0	275.1	297.1	329.3	343.3	306.2	265.0
75°	150.6	156.6	165.6	179.7	202.8	217.8	235.9	266.0	265.0	238.9	209.8
77.5°	116.4	117.5	127.5	140.5	154.6	167.6	176.7	197.8	199.8	183.7	159.6
80°	83.3	86.3	90.3	100.4	112.4	117.5	128.5	141.5	143.6	131.5	115.4
82.5°	53.2	55.2	58.2	64.2	72.3	78.3	84.3	89.3	94.4	87.3	74.3
85°	30.1	31.1	34.1	36.1	40.2	43.2	48.2	53.2	52.2	47.2	43.2
87.5°	15.1	15.1	15.1	17.1	19.1	19.1	21.1	22.1	23.1	21.1	19.1
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):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6
2.5°	1236.8	1243.8	1249.8	1254.8	1258.8	1264.9	1260.9	1261.9	1263.9	1267.9	1267.9
5°	1317.1	1328.1	1334.1	1354.2	1359.2	1358.2	1355.2	1371.3	1370.3	1364.3	1363.3
7.5°	1395.4	1414.4	1431.5	1447.6	1452.6	1465.6	1468.7	1475.7	1473.7	1483.7	1478.7
10°	1466.6	1496.8	1512.8	1536.9	1542.9	1549.0	1557.0	1561.0	1570.0	1569.0	1569.0
12.5°	1521.9	1558.0	1579.1	1585.1	1608.2	1615.2	1622.2	1635.3	1632.3	1633.3	1639.3
15°	1565.0	1600.2	1618.2	1646.3	1662.4	1670.4	1682.5	1696.5	1694.5	1703.6	1701.6
17.5°	1597.2	1630.3	1663.4	1705.6	1706.6	1727.7	1755.8	1761.8	1774.8	1765.8	1765.8
20°	1623.3	1667.4	1714.6	1768.8	1774.8	1787.9	1822.0	1845.1	1860.2	1855.1	1858.2
22.5°	1651.4	1714.6	1769.8	1824.0	1853.1	1876.2	1909.4	1945.5	1958.5	1966.6	1964.6
25°	1687.5	1753.8	1835.1	1910.4	1940.5	1984.6	2028.8	2064.0	2074.0	2096.1	2076.0
27.5°	1724.6	1818.0	1919.4	2007.7	2045.9	2082.0	2135.2	2161.3	2174.4	2184.4	2177.4
30°	1755.8	1884.3	1994.7	2076.0	2103.1	2124.2	2154.3	2160.3	2155.3	2163.3	2173.4
32.5°	1803.9	1929.4	2022.8	2061.9	2058.9	2057.9	2034.8	2002.7	1995.7	1976.6	2002.7
35°	1830.0	1930.4	1966.6	1914.4	1893.3	1855.1	1781.9	1733.7	1691.5	1682.5	1684.5
37.5°	1815.0	1854.1	1811.0	1673.4	1639.3	1581.1	1483.7	1415.5	1384.3	1360.2	1391.4
40°	1733.7	1690.5	1572.1	1404.4	1355.2	1300.0	1208.7	1171.5	1127.3	1118.3	1159.5
42.5°	1599.2	1467.7	1300.0	1170.5	1119.3	1088.2	1011.9	976.8	945.6	931.6	954.7
45°	1416.5	1256.8	1088.2	981.8	938.6	901.5	856.3	819.2	799.1	793.1	812.1
47.5°	1227.7	1059.1	924.6	845.3	800.1	772.0	729.8	708.7	692.7	694.7	697.7
50°	1047.0	893.4	790.0	710.7	688.7	666.6	638.5	620.4	612.4	615.4	613.4
52.5°	891.4	767.0	679.6	618.4	608.3	587.3	564.2	549.1	546.1	547.1	550.1
55°	754.9	657.5	588.3	544.1	533.1	518.0	503.9	493.9	485.9	488.9	487.9
57.5°	651.5	566.2	513.0	476.8	468.8	459.8	446.7	441.7	438.7	432.7	437.7
60°	560.2	490.9	444.7	422.6	415.6	409.6	395.5	389.5	387.5	384.5	392.5
62.5°	473.8	424.6	389.5	369.4	362.4	356.4	349.3	344.3	345.3	341.3	345.3
65°	405.6	365.4	340.3	322.2	313.2	309.2	308.2	300.2	299.2	300.2	301.2
67.5°	342.3	308.2	289.1	278.1	271.0	267.0	264.0	259.0	263.0	260.0	262.0
70°	285.1	262.0	241.9	230.9	227.9	228.9	223.9	221.9	222.9	220.9	222.9
72.5°	229.9	210.8	202.8	194.8	190.7	189.7	186.7	183.7	186.7	185.7	185.7
75°	183.7	169.7	160.6	155.6	155.6	153.6	148.6	148.6	148.6	147.6	148.6
77.5°	141.5	129.5	125.5	120.5	120.5	117.5	116.4	116.4	114.4	117.5	115.4
80°	105.4	96.4	90.3	87.3	87.3	86.3	84.3	83.3	84.3	83.3	83.3
82.5°	68.3	64.2	61.2	58.2	57.2	58.2	57.2	55.2	56.2	55.2	57.2
85°	39.2	35.1	35.1	33.1	34.1	32.1	33.1	31.1	30.1	33.1	31.1
87.5°	17.1	16.1	16.1	14.1	14.1	14.1	13.1	14.1	13.1	12.0	13.1
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):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6
2.5°	1265.9	1258.8	1260.9	1258.8	1253.8	1250.8	1242.8	1232.7	1228.7	1223.7	1220.7
5°	1367.3	1362.2	1361.2	1353.2	1351.2	1339.2	1319.1	1309.0	1297.0	1284.9	1272.9
7.5°	1477.7	1471.7	1451.6	1448.6	1450.6	1435.5	1409.4	1389.4	1364.3	1347.2	1324.1
10°	1569.0	1557.0	1539.9	1540.9	1533.9	1513.8	1487.7	1466.6	1430.5	1408.4	1375.3
12.5°	1624.3	1614.2	1612.2	1602.2	1596.1	1570.0	1538.9	1511.8	1484.7	1454.6	1429.5
15°	1691.5	1678.5	1669.4	1655.4	1651.4	1624.3	1590.1	1559.0	1527.9	1499.8	1446.6
17.5°	1765.8	1751.7	1717.6	1714.6	1690.5	1664.4	1631.3	1585.1	1552.0	1511.8	1472.7
20°	1850.1	1830.0	1785.9	1774.8	1755.8	1712.6	1667.4	1616.2	1563.0	1521.9	1475.7
22.5°	1944.5	1909.4	1877.2	1842.1	1828.0	1774.8	1712.6	1650.4	1586.1	1529.9	1474.7
25°	2067.0	2020.8	1975.6	1940.5	1916.4	1847.1	1763.8	1681.5	1607.2	1533.9	1461.6
27.5°	2163.3	2123.2	2074.0	2027.8	1996.7	1914.4	1819.0	1712.6	1620.2	1530.9	1453.6
30°	2170.4	2158.3	2128.2	2103.1	2069.0	1980.6	1875.2	1754.8	1640.3	1531.9	1437.5
32.5°	2038.9	2062.9	2076.0	2080.0	2073.0	2021.8	1925.4	1792.9	1658.4	1522.9	1423.5
35°	1755.8	1820.0	1899.3	1929.4	1958.5	1985.6	1935.5	1820.0	1664.4	1520.9	1401.4
37.5°	1445.6	1503.8	1635.3	1695.5	1729.7	1837.1	1878.2	1816.0	1676.5	1522.9	1380.3
40°	1166.5	1258.8	1353.2	1434.5	1487.7	1608.2	1735.7	1749.7	1659.4	1503.8	1353.2
42.5°	981.8	1036.0	1107.3	1182.6	1229.7	1372.3	1545.0	1646.3	1606.2	1472.7	1320.1
45°	836.2	876.4	943.6	968.7	1029.0	1165.5	1348.2	1494.8	1514.8	1423.5	1281.9
47.5°	717.8	751.9	795.1	826.2	874.4	976.8	1131.4	1293.0	1389.4	1356.2	1228.7
50°	632.4	660.5	696.7	714.8	745.9	838.2	954.7	1115.3	1244.8	1255.8	1159.5
52.5°	561.2	577.2	605.3	625.4	650.5	706.7	812.1	944.6	1090.2	1150.4	1074.1
55°	498.9	512.0	537.1	550.1	563.2	611.4	693.7	814.1	950.7	1030.0	986.8
57.5°	442.7	453.7	474.8	486.9	493.9	540.1	603.3	697.7	820.2	916.5	892.4
60°	396.5	406.6	418.6	427.6	435.7	473.8	518.0	594.3	703.7	797.1	791.0
62.5°	347.3	356.4	369.4	378.5	385.5	409.6	446.7	504.9	598.3	684.6	701.7
65°	304.2	311.2	320.2	324.2	333.3	351.4	381.5	433.7	510.0	587.3	599.3
67.5°	265.0	267.0	273.1	282.1	284.1	300.2	327.3	366.4	425.6	488.9	508.0
70°	222.9	225.9	230.9	237.9	241.9	252.0	275.1	301.2	352.4	407.6	421.6
72.5°	185.7	189.7	191.7	195.8	197.8	213.8	223.9	250.0	285.1	331.3	346.3
75°	150.6	154.6	155.6	157.6	159.6	166.6	180.7	196.8	225.9	256.0	276.1
77.5°	119.5	118.5	120.5	123.5	122.5	128.5	137.5	151.6	170.7	195.8	208.8
80°	84.3	84.3	87.3	90.3	89.3	95.4	98.4	108.4	124.5	140.5	145.6
82.5°	56.2	56.2	59.2	59.2	61.2	62.2	66.3	71.3	84.3	92.4	95.4
85°	32.1	32.1	33.1	33.1	33.1	35.1	38.1	40.2	44.2	49.2	51.2
87.5°	13.1	14.1	14.1	14.1	14.1	16.1	16.1	18.1	19.1	21.1	21.1
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: P1004646

CATALOG NUMBER: S125DR-B850DB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6
2.5°	1216.7	1211.7	1205.6	1205.6	1198.6	1195.6	1189.6	1187.6	1182.6	1174.5	1168.5
5°	1259.9	1246.8	1238.8	1231.7	1216.7	1205.6	1194.6	1182.6	1170.5	1156.5	1140.4
7.5°	1302.0	1277.9	1266.9	1254.8	1232.7	1209.7	1187.6	1171.5	1155.5	1133.4	1113.3
10°	1346.2	1316.1	1296.0	1279.9	1245.8	1216.7	1184.6	1161.5	1136.4	1108.3	1082.2
12.5°	1383.3	1344.2	1327.1	1297.0	1257.8	1222.7	1182.6	1147.4	1114.3	1081.2	1049.0
15°	1414.4	1377.3	1335.1	1323.1	1268.9	1218.7	1173.5	1128.3	1087.2	1054.1	1016.9
17.5°	1424.5	1377.3	1356.2	1327.1	1262.9	1210.7	1153.4	1104.3	1065.1	1015.9	986.8
20°	1427.5	1382.3	1353.2	1326.1	1268.9	1199.6	1143.4	1083.2	1036.0	986.8	940.6
22.5°	1419.5	1366.3	1338.2	1312.1	1247.8	1188.6	1123.3	1057.1	1001.9	956.7	910.5
25°	1404.4	1342.2	1315.1	1287.0	1225.7	1160.5	1089.2	1026.0	974.8	920.5	875.4
27.5°	1384.3	1313.1	1281.9	1252.8	1192.6	1131.4	1064.1	998.8	941.6	884.4	842.2
30°	1359.2	1276.9	1248.8	1210.7	1152.4	1094.2	1033.0	967.7	903.5	849.3	803.1
32.5°	1327.1	1240.8	1203.6	1167.5	1104.3	1051.0	992.8	931.6	869.3	816.1	768.0
35°	1298.0	1199.6	1158.5	1122.3	1052.1	995.8	947.7	890.4	835.2	780.0	736.8
37.5°	1258.8	1158.5	1109.3	1072.1	1000.9	943.6	898.5	854.3	796.1	742.9	702.7
40°	1217.7	1107.3	1061.1	1023.9	949.7	887.4	844.3	805.1	757.9	708.7	666.6
42.5°	1180.5	1058.1	1008.9	963.7	888.4	833.2	789.0	758.9	715.8	671.6	633.4
45°	1133.4	1005.9	952.7	905.5	833.2	773.0	730.8	706.7	674.6	631.4	598.3
47.5°	1085.2	949.7	894.4	848.3	770.0	716.8	675.6	652.5	630.4	596.3	563.2
50°	1021.9	890.4	840.2	787.0	709.7	655.5	621.4	598.3	581.2	557.1	529.0
52.5°	952.7	829.2	775.0	728.8	652.5	603.3	564.2	551.1	534.1	516.0	491.9
55°	879.4	762.9	710.7	665.6	595.3	545.1	513.0	498.9	485.9	471.8	455.8
57.5°	806.1	693.7	644.5	604.3	539.1	490.9	464.8	445.7	436.7	428.7	415.6
60°	714.8	619.4	581.2	545.1	480.9	436.7	411.6	397.5	389.5	385.5	379.5
62.5°	634.4	556.1	514.0	478.8	427.6	388.5	364.4	353.4	346.3	344.3	337.3
65°	549.1	481.9	448.7	418.6	374.4	339.3	319.2	306.2	301.2	300.2	300.2
67.5°	468.8	414.6	381.5	360.4	322.2	291.1	272.0	267.0	264.0	260.0	259.0
70°	393.5	350.3	321.2	303.2	269.0	245.9	230.9	222.9	222.9	219.8	217.8
72.5°	327.3	284.1	265.0	250.0	221.9	201.8	190.7	188.7	181.7	180.7	180.7
75°	256.0	223.9	210.8	197.8	176.7	162.6	153.6	148.6	144.6	144.6	145.6
77.5°	192.7	170.7	158.6	148.6	133.5	124.5	117.5	115.4	111.4	111.4	111.4
80°	136.5	124.5	115.4	107.4	96.4	88.3	84.3	80.3	80.3	79.3	80.3
82.5°	88.3	78.3	73.3	72.3	62.2	59.2	54.2	55.2	52.2	51.2	53.2
85°	51.2	46.2	40.2	38.1	34.1	30.1	28.1	29.1	28.1	27.1	28.1
87.5°	20.1	17.1	16.1	16.1	13.1	12.0	11.0	12.0	10.0	10.0	11.0
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: P1004646

CATALOG NUMBER: S125DR-B850DB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6
2.5°	1166.5	1164.5	1159.5	1156.5	1146.4	1134.4	1130.4	1120.3	1124.3	1117.3	1117.3
5°	1135.4	1126.3	1120.3	1111.3	1092.2	1079.2	1065.1	1058.1	1054.1	1049.0	1045.0
7.5°	1095.2	1088.2	1082.2	1065.1	1044.0	1026.0	1008.9	1001.9	988.8	979.8	975.8
10°	1060.1	1050.0	1036.0	1015.9	993.8	970.7	955.7	940.6	930.6	925.6	914.5
12.5°	1023.9	1011.9	996.8	967.7	943.6	929.6	902.5	888.4	883.4	879.4	866.3
15°	986.8	973.8	955.7	928.6	907.5	874.4	858.3	847.3	835.2	834.2	824.2
17.5°	953.7	937.6	922.6	889.4	863.3	834.2	825.2	813.1	802.1	790.0	785.0
20°	911.5	896.5	885.4	849.3	820.2	802.1	787.0	777.0	770.0	757.9	755.9
22.5°	873.4	857.3	842.2	815.1	790.0	767.0	748.9	737.8	734.8	729.8	720.8
25°	836.2	820.2	802.1	777.0	750.9	734.8	718.8	711.7	705.7	697.7	690.7
27.5°	805.1	790.0	773.0	741.9	719.8	707.7	690.7	682.6	674.6	670.6	667.6
30°	768.0	750.9	737.8	713.7	689.7	673.6	661.5	654.5	647.5	643.5	641.5
32.5°	731.8	715.8	706.7	680.6	661.5	642.5	633.4	628.4	624.4	620.4	616.4
35°	702.7	686.6	672.6	648.5	629.4	616.4	609.3	601.3	598.3	594.3	594.3
37.5°	666.6	654.5	640.5	617.4	600.3	590.3	584.3	574.2	573.2	571.2	568.2
40°	635.4	623.4	610.4	590.3	575.2	563.2	555.1	550.1	547.1	545.1	543.1
42.5°	602.3	589.3	583.2	560.2	547.1	535.1	531.0	526.0	525.0	521.0	516.0
45°	570.2	559.2	547.1	530.0	519.0	509.0	502.9	498.9	493.9	492.9	489.9
47.5°	542.1	529.0	518.0	501.9	489.9	481.9	476.8	471.8	467.8	464.8	461.8
50°	505.9	495.9	486.9	469.8	459.8	451.7	444.7	440.7	436.7	436.7	436.7
52.5°	470.8	461.8	453.7	441.7	429.7	422.6	414.6	411.6	409.6	406.6	409.6
55°	436.7	427.6	419.6	410.6	396.5	390.5	382.5	379.5	380.5	380.5	383.5
57.5°	400.5	393.5	388.5	377.5	364.4	358.4	353.4	350.3	350.3	354.4	355.4
60°	365.4	358.4	349.3	339.3	331.3	324.2	321.2	322.2	322.2	324.2	329.3
62.5°	326.3	322.2	317.2	303.2	298.1	293.1	289.1	292.1	291.1	296.1	303.2
65°	290.1	286.1	279.1	272.0	266.0	261.0	260.0	261.0	263.0	268.0	276.1
67.5°	250.0	250.0	243.9	237.9	232.9	227.9	228.9	229.9	231.9	237.9	250.0
70°	216.8	212.8	206.8	202.8	198.8	196.8	194.8	198.8	204.8	208.8	217.8
72.5°	180.7	177.7	172.7	168.6	167.6	165.6	164.6	166.6	172.7	179.7	189.7
75°	142.5	143.6	140.5	137.5	137.5	134.5	136.5	136.5	142.5	149.6	157.6
77.5°	110.4	109.4	108.4	106.4	105.4	105.4	105.4	107.4	113.4	117.5	125.5
80°	78.3	79.3	76.3	77.3	76.3	77.3	77.3	81.3	84.3	89.3	95.4
82.5°	52.2	52.2	50.2	51.2	51.2	51.2	52.2	54.2	58.2	62.2	66.3
85°	29.1	30.1	28.1	30.1	30.1	30.1	31.1	32.1	35.1	36.1	40.2
87.5°	11.0	13.1	13.1	11.0	12.0	13.1	14.1	13.1	15.1	17.1	18.1
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: P1004646

CATALOG NUMBER: S125DR-B850DB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6
2.5°	1121.3	1114.3	1113.3	1115.3	1111.3	1117.3	1115.3	1117.3	1112.3	1117.3	1114.3
5°	1044.0	1042.0	1038.0	1033.0	1034.0	1035.0	1040.0	1035.0	1039.0	1040.0	1045.0
7.5°	971.7	967.7	970.7	968.7	959.7	957.7	959.7	962.7	968.7	972.7	975.8
10°	913.5	911.5	907.5	904.5	899.5	896.5	900.5	896.5	904.5	911.5	911.5
12.5°	869.3	861.3	856.3	855.3	844.3	846.3	850.3	853.3	862.3	866.3	866.3
15°	823.2	817.1	815.1	811.1	807.1	811.1	809.1	812.1	816.1	820.2	822.2
17.5°	783.0	782.0	783.0	773.0	776.0	771.0	772.0	777.0	774.0	777.0	783.0
20°	746.9	748.9	745.9	741.9	741.9	735.8	742.9	740.9	741.9	747.9	756.9
22.5°	719.8	718.8	715.8	712.7	708.7	709.7	710.7	708.7	716.8	721.8	722.8
25°	690.7	688.7	687.6	684.6	680.6	684.6	683.6	684.6	686.6	694.7	688.7
27.5°	663.6	659.5	661.5	658.5	657.5	658.5	658.5	659.5	661.5	662.6	663.6
30°	640.5	636.5	635.4	633.4	632.4	633.4	635.4	633.4	641.5	640.5	640.5
32.5°	615.4	612.4	610.4	610.4	609.3	608.3	609.3	610.4	616.4	612.4	616.4
35°	591.3	589.3	589.3	587.3	586.3	586.3	586.3	590.3	588.3	591.3	591.3
37.5°	568.2	568.2	567.2	565.2	564.2	565.2	564.2	566.2	565.2	566.2	567.2
40°	544.1	542.1	541.1	541.1	538.1	535.1	538.1	538.1	539.1	542.1	543.1
42.5°	515.0	516.0	516.0	512.0	512.0	512.0	513.0	514.0	514.0	516.0	516.0
45°	489.9	487.9	487.9	487.9	485.9	486.9	488.9	488.9	488.9	488.9	486.9
47.5°	461.8	461.8	462.8	462.8	465.8	464.8	464.8	463.8	461.8	461.8	462.8
50°	435.7	438.7	439.7	439.7	440.7	441.7	441.7	439.7	438.7	435.7	435.7
52.5°	410.6	412.6	414.6	417.6	419.6	418.6	418.6	416.6	412.6	411.6	410.6
55°	383.5	386.5	390.5	393.5	396.5	397.5	397.5	393.5	389.5	384.5	384.5
57.5°	358.4	361.4	368.4	371.4	375.4	375.4	373.4	370.4	364.4	360.4	357.4
60°	333.3	338.3	343.3	349.3	354.4	355.4	352.4	348.3	341.3	336.3	332.3
62.5°	306.2	311.2	321.2	327.3	331.3	331.3	331.3	326.3	317.2	310.2	304.2
65°	280.1	285.1	294.1	302.2	305.2	308.2	305.2	300.2	293.1	285.1	279.1
67.5°	253.0	259.0	268.0	274.1	278.1	281.1	279.1	275.1	266.0	255.0	251.0
70°	222.9	225.9	238.9	244.9	251.0	253.0	251.0	244.9	235.9	223.9	219.8
72.5°	194.8	197.8	209.8	214.8	219.8	221.9	218.8	214.8	206.8	195.8	190.7
75°	162.6	167.6	173.7	181.7	187.7	189.7	186.7	183.7	173.7	166.6	162.6
77.5°	128.5	133.5	141.5	148.6	154.6	153.6	149.6	150.6	139.5	131.5	128.5
80°	97.4	101.4	107.4	113.4	116.4	116.4	115.4	111.4	107.4	101.4	96.4
82.5°	67.3	72.3	77.3	81.3	81.3	82.3	80.3	79.3	75.3	70.3	69.3
85°	40.2	41.2	45.2	45.2	49.2	47.2	46.2	49.2	45.2	42.2	41.2
87.5°	18.1	17.1	18.1	18.1	17.1	19.1	19.1	18.1	19.1	18.1	18.1
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: P1004646

CATALOG NUMBER: S125DR-B850DB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6
2.5°	1123.3	1117.3	1124.3	1115.3	1117.3	1128.3	1127.3	1137.4	1143.4	1142.4	1147.4
5°	1049.0	1049.0	1052.1	1051.0	1061.1	1070.1	1082.2	1092.2	1103.2	1109.3	1116.3
7.5°	975.8	985.8	987.8	992.8	1004.9	1019.9	1032.0	1047.0	1063.1	1074.1	1082.2
10°	915.5	923.6	931.6	935.6	948.7	968.7	985.8	1009.9	1030.0	1042.0	1053.1
12.5°	862.3	871.4	875.4	893.4	902.5	915.5	939.6	965.7	987.8	1000.9	1009.9
15°	824.2	829.2	838.2	849.3	858.3	874.4	894.4	923.6	944.6	955.7	986.8
17.5°	792.1	798.1	803.1	808.1	822.2	839.2	858.3	883.4	910.5	929.6	945.6
20°	758.9	761.9	768.0	776.0	786.0	802.1	819.2	845.3	869.3	884.4	905.5
22.5°	719.8	728.8	734.8	740.9	751.9	770.0	786.0	805.1	835.2	852.3	874.4
25°	696.7	700.7	704.7	711.7	719.8	735.8	753.9	774.0	798.1	816.1	835.2
27.5°	666.6	672.6	677.6	686.6	691.7	704.7	721.8	741.9	771.0	786.0	802.1
30°	641.5	647.5	651.5	655.5	662.6	676.6	692.7	708.7	735.8	754.9	771.0
32.5°	616.4	622.4	627.4	630.4	637.5	646.5	659.5	679.6	702.7	715.8	736.8
35°	594.3	594.3	600.3	604.3	610.4	618.4	630.4	645.5	669.6	686.6	705.7
37.5°	569.2	570.2	575.2	578.2	584.3	592.3	604.3	618.4	638.5	651.5	670.6
40°	543.1	546.1	548.1	553.1	560.2	563.2	575.2	591.3	611.4	623.4	639.5
42.5°	517.0	519.0	524.0	528.0	534.1	539.1	547.1	562.2	577.2	595.3	608.3
45°	487.9	492.9	495.9	502.9	505.9	511.0	519.0	531.0	549.1	560.2	575.2
47.5°	462.8	464.8	466.8	475.8	481.9	484.9	492.9	499.9	519.0	529.0	543.1
50°	435.7	435.7	438.7	442.7	449.7	455.8	462.8	470.8	485.9	495.9	510.0
52.5°	410.6	407.6	409.6	411.6	418.6	424.6	431.7	442.7	456.8	462.8	474.8
55°	383.5	378.5	381.5	384.5	386.5	394.5	402.6	409.6	420.6	429.7	440.7
57.5°	354.4	353.4	351.4	352.4	357.4	362.4	368.4	377.5	390.5	397.5	403.6
60°	328.3	322.2	320.2	322.2	325.3	328.3	336.3	344.3	355.4	362.4	369.4
62.5°	301.2	295.1	291.1	288.1	291.1	298.1	303.2	309.2	318.2	326.3	332.3
65°	275.1	266.0	262.0	260.0	259.0	264.0	268.0	276.1	284.1	287.1	294.1
67.5°	245.9	237.9	232.9	229.9	229.9	229.9	233.9	241.9	250.0	251.0	258.0
70°	216.8	207.8	202.8	198.8	196.8	198.8	203.8	204.8	211.8	213.8	217.8
72.5°	185.7	177.7	171.7	166.6	167.6	169.7	169.7	171.7	175.7	180.7	180.7
75°	156.6	145.6	142.5	138.5	136.5	136.5	136.5	140.5	143.6	147.6	146.6
77.5°	123.5	117.5	111.4	109.4	106.4	105.4	107.4	107.4	109.4	112.4	113.4
80°	95.4	88.3	84.3	82.3	78.3	77.3	78.3	78.3	81.3	80.3	81.3
82.5°	66.3	61.2	58.2	55.2	53.2	54.2	53.2	53.2	54.2	53.2	53.2
85°	38.1	37.1	35.1	34.1	33.1	31.1	33.1	32.1	31.1	30.1	32.1
87.5°	18.1	17.1	17.1	15.1	15.1	14.1	15.1	15.1	14.1	14.1	14.1
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: P1004646

CATALOG NUMBER: S125DR-B850DB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1182.6	1182.6	1182.6	1182.6
2.5°	1154.4	1164.5	1171.5	1184.6
5°	1128.3	1146.4	1163.5	1181.6
7.5°	1102.2	1123.3	1150.4	1173.5
10°	1073.1	1100.2	1132.4	1163.5
12.5°	1044.0	1076.1	1111.3	1152.4
15°	1008.9	1050.0	1091.2	1135.4
17.5°	977.8	1019.9	1064.1	1119.3
20°	942.6	988.8	1037.0	1093.2
22.5°	911.5	962.7	1012.9	1072.1
25°	876.4	926.6	981.8	1045.0
27.5°	847.3	893.4	947.7	1015.9
30°	812.1	862.3	916.5	984.8
32.5°	779.0	827.2	884.4	951.7
35°	744.9	794.1	845.3	909.5
37.5°	712.7	754.9	806.1	867.3
40°	676.6	722.8	769.0	817.1
42.5°	643.5	685.6	728.8	767.0
45°	606.3	642.5	683.6	714.8
47.5°	572.2	604.3	636.5	660.5
50°	538.1	563.2	587.3	608.3
52.5°	497.9	526.0	539.1	552.1
55°	461.8	477.8	489.9	502.9
57.5°	426.6	433.7	439.7	451.7
60°	380.5	388.5	395.5	404.6
62.5°	340.3	344.3	346.3	355.4
65°	302.2	301.2	306.2	311.2
67.5°	261.0	260.0	265.0	267.0
70°	220.9	219.8	220.9	225.9
72.5°	182.7	182.7	183.7	185.7
75°	147.6	147.6	148.6	150.6
77.5°	111.4	113.4	112.4	116.4
80°	81.3	79.3	81.3	83.3
82.5°	53.2	55.2	55.2	53.2
85°	30.1	30.1	30.1	30.1
87.5°	13.1	13.1	14.1	15.1
90°	0.0	0.0	0.0	0.0

(END OF REPORT)