

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: P1004643

Luminaire Tested: S125DR-B850DB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1004643
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_3000K
Description: Define 5 Direct Recessed with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

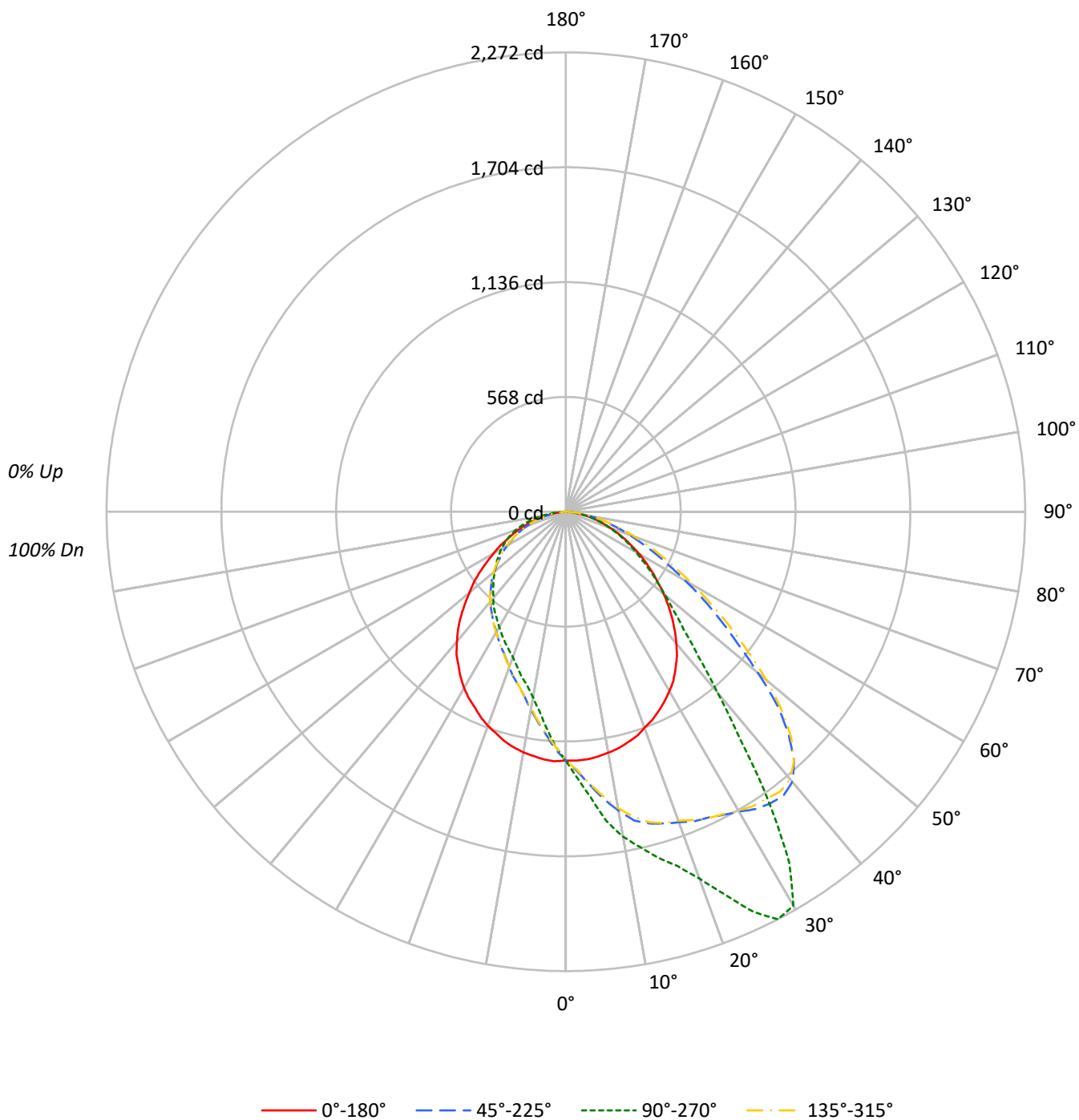
Lumens per Lamp: N/A
Luminaire Lumens: 3471.0 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Direct

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		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°	7881	7881	7881	7881
5°	7904	9126	7911	6924
10°	7873	10618	7860	6067
15°	7834	11754	7785	5596
20°	7753	13157	7682	5219
25°	7684	15413	7545	5034
30°	7578	16648	7447	4875
35°	7399	13688	7244	4770
40°	7109	9729	7004	4654
45°	6737	7474	6661	4588
50°	6308	6380	6203	4579
55°	5843	5680	5797	4619
60°	5392	5124	5299	4736
65°	4907	4733	4829	4860
70°	4400	4303	4342	4929
75°	3877	3800	3825	4884
80°	3199	3199	3081	4468
85°	2301	2536	2227	3609

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 14277 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.4	3.4
10°-20°	352.6	10.2
20°-30°	572.8	16.5
30°-40°	700.0	20.2
40°-50°	635.0	18.3
50°-60°	505.8	14.6
60°-70°	352.3	10.1
70°-80°	187.7	5.4
80°-90°	46.5	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°	1043.8	30.1
0°-40°	1743.8	50.2
0°-60°	2884.6	83.1
0°-90°	3471.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3471.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1230	1230	1230	1230	1230	
5°	1229	1419	1230	1076	1229	117
15°	1181	1772	1174	844	1181	333
25°	1087	2180	1067	712	1087	501
35°	946	1750	926	610	946	591
45°	744	825	735	506	744	573
55°	523	508	519	414	523	468
65°	324	312	318	321	324	321
75°	157	154	154	197	157	167
85°	31	34	30	49	31	40
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°	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0
2.5°	1232.1	1239.4	1247.8	1254.1	1264.5	1267.6	1272.9	1276.0	1279.1	1282.3	1284.3
5°	1229.0	1246.7	1262.4	1273.9	1293.7	1301.0	1310.4	1321.9	1335.5	1347.0	1354.3
7.5°	1220.6	1248.8	1269.7	1292.7	1319.8	1337.6	1347.0	1371.0	1392.9	1409.6	1431.6
10°	1210.2	1243.6	1276.0	1310.4	1349.1	1368.9	1387.7	1421.1	1451.4	1478.6	1500.5
12.5°	1198.7	1239.4	1278.1	1323.0	1375.2	1399.2	1411.7	1469.2	1506.7	1521.4	1564.2
15°	1181.0	1229.0	1284.3	1339.7	1383.5	1411.7	1446.2	1492.1	1529.7	1562.1	1596.5
17.5°	1164.3	1216.5	1272.9	1334.5	1398.2	1434.7	1460.8	1501.5	1542.3	1584.0	1616.4
20°	1137.1	1205.0	1262.4	1328.2	1403.4	1429.5	1456.6	1504.7	1548.5	1593.4	1634.1
22.5°	1115.2	1179.9	1258.2	1320.9	1384.6	1410.7	1444.1	1494.2	1546.4	1597.6	1657.1
25°	1087.0	1159.0	1226.9	1293.7	1359.5	1387.7	1418.0	1482.7	1537.0	1602.8	1668.6
27.5°	1056.7	1130.8	1198.7	1259.3	1320.9	1359.5	1391.9	1459.8	1531.8	1603.9	1689.5
30°	1024.3	1094.3	1159.0	1218.6	1286.4	1326.1	1358.5	1437.8	1518.2	1610.1	1712.5
32.5°	989.9	1055.7	1111.0	1171.6	1243.6	1280.2	1324.0	1410.7	1505.7	1615.3	1743.8
35°	946.0	1008.7	1057.8	1119.4	1191.4	1238.4	1284.3	1381.4	1492.1	1614.3	1761.5
37.5°	902.2	951.2	998.2	1064.0	1147.6	1190.4	1238.4	1344.9	1471.2	1611.2	1768.8
40°	850.0	898.0	938.7	1005.5	1093.3	1142.3	1192.5	1304.2	1447.2	1599.7	1742.7
42.5°	797.8	838.5	883.4	953.3	1037.9	1090.1	1143.4	1267.6	1415.9	1566.3	1670.7
45°	743.5	774.8	823.9	887.6	977.4	1027.5	1088.0	1222.7	1372.1	1505.7	1557.9
47.5°	687.1	718.4	764.3	825.9	914.7	974.2	1031.6	1166.3	1316.7	1420.1	1420.1
50°	632.8	657.8	702.7	764.3	854.1	908.4	966.9	1110.0	1231.1	1307.3	1239.4
52.5°	574.3	602.5	640.1	704.8	793.6	842.7	906.3	1028.5	1143.4	1174.7	1070.3
55°	523.1	546.1	581.6	643.2	725.7	776.9	831.2	948.1	1045.2	1043.1	931.4
57.5°	469.9	488.7	526.3	582.7	658.9	704.8	759.1	860.4	939.8	911.6	806.1
60°	420.8	434.4	470.9	516.9	590.0	632.8	685.0	767.5	828.0	788.4	681.8
62.5°	369.6	385.3	414.5	459.4	524.2	558.6	597.3	680.8	719.4	683.9	575.3
65°	323.7	336.2	362.3	399.9	458.4	489.7	523.1	592.0	628.6	577.4	487.6
67.5°	277.8	292.4	311.2	344.6	390.5	419.8	449.0	508.5	525.2	479.3	404.1
70°	234.9	247.5	265.2	289.2	327.9	354.0	375.9	425.0	436.5	393.7	334.1
72.5°	193.2	201.5	216.1	236.0	271.5	286.1	309.1	342.5	357.1	318.5	275.7
75°	156.6	162.9	172.3	186.9	210.9	226.6	245.4	276.7	275.7	248.5	218.2
77.5°	121.1	122.2	132.6	146.2	160.8	174.4	183.8	205.7	207.8	191.1	166.0
80°	86.7	89.8	94.0	104.4	116.9	122.2	133.7	147.2	149.3	136.8	120.1
82.5°	55.3	57.4	60.6	66.8	75.2	81.4	87.7	92.9	98.2	90.8	77.3
85°	31.3	32.4	35.5	37.6	41.8	44.9	50.1	55.3	54.3	49.1	44.9
87.5°	15.7	15.7	15.7	17.8	19.8	19.8	21.9	23.0	24.0	21.9	19.8
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):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0
2.5°	1286.4	1293.7	1300.0	1305.2	1309.4	1315.7	1311.5	1312.5	1314.6	1318.8	1318.8
5°	1370.0	1381.4	1387.7	1408.6	1413.8	1412.8	1409.6	1426.3	1425.3	1419.0	1418.0
7.5°	1451.4	1471.2	1489.0	1505.7	1510.9	1524.5	1527.6	1534.9	1532.9	1543.3	1538.1
10°	1525.5	1556.9	1573.6	1598.6	1604.9	1611.2	1619.5	1623.7	1633.1	1632.1	1632.1
12.5°	1583.0	1620.6	1642.5	1648.8	1672.8	1680.1	1687.4	1701.0	1697.8	1698.9	1705.1
15°	1627.9	1664.4	1683.2	1712.5	1729.2	1737.5	1750.0	1764.7	1762.6	1772.0	1769.9
17.5°	1661.3	1695.7	1730.2	1774.1	1775.1	1797.0	1826.3	1832.5	1846.1	1836.7	1836.7
20°	1688.4	1734.4	1783.5	1839.8	1846.1	1859.7	1895.2	1919.2	1934.9	1929.6	1932.8
22.5°	1717.7	1783.5	1840.9	1897.3	1927.6	1951.6	1986.0	2023.6	2037.2	2045.5	2043.5
25°	1755.3	1824.2	1908.8	1987.1	2018.4	2064.3	2110.3	2146.8	2157.3	2180.2	2159.4
27.5°	1793.9	1891.0	1996.5	2088.4	2128.0	2165.6	2221.0	2248.1	2261.7	2272.1	2264.8
30°	1826.3	1959.9	2074.8	2159.4	2187.6	2209.5	2240.8	2247.1	2241.9	2250.2	2260.6
32.5°	1876.4	2006.9	2104.0	2144.7	2141.6	2140.6	2116.5	2083.1	2075.8	2056.0	2083.1
35°	1903.5	2008.0	2045.5	1991.2	1969.3	1929.6	1853.4	1803.3	1759.4	1750.0	1752.1
37.5°	1887.9	1928.6	1883.7	1740.6	1705.1	1644.6	1543.3	1472.3	1439.9	1414.9	1447.2
40°	1803.3	1758.4	1635.2	1460.8	1409.6	1352.2	1257.2	1218.6	1172.6	1163.2	1206.0
42.5°	1663.4	1526.6	1352.2	1217.5	1164.3	1131.9	1052.5	1016.0	983.6	969.0	993.0
45°	1473.3	1307.3	1131.9	1021.2	976.3	937.7	890.7	852.0	831.2	824.9	844.7
47.5°	1277.0	1101.6	961.7	879.2	832.2	803.0	759.1	737.2	720.5	722.6	725.7
50°	1089.1	929.3	821.8	739.3	716.3	693.3	664.1	645.3	636.9	640.1	638.0
52.5°	927.2	797.8	706.9	643.2	632.8	610.8	586.8	571.2	568.0	569.1	572.2
55°	785.2	683.9	611.9	565.9	554.5	538.8	524.2	513.7	505.4	508.5	507.5
57.5°	677.7	588.9	533.6	496.0	487.6	478.2	464.7	459.4	456.3	450.0	455.3
60°	582.7	510.6	462.6	439.6	432.3	426.0	411.4	405.1	403.1	399.9	408.3
62.5°	492.9	441.7	405.1	384.3	376.9	370.7	363.4	358.2	359.2	355.0	359.2
65°	421.8	380.1	354.0	335.2	325.8	321.6	320.6	312.2	311.2	312.2	313.3
67.5°	356.1	320.6	300.7	289.2	281.9	277.8	274.6	269.4	273.6	270.4	272.5
70°	296.5	272.5	251.6	240.2	237.0	238.1	232.9	230.8	231.8	229.7	231.8
72.5°	239.1	219.3	210.9	202.6	198.4	197.3	194.2	191.1	194.2	193.2	193.2
75°	191.1	176.5	167.1	161.8	161.8	159.8	154.5	154.5	154.5	153.5	154.5
77.5°	147.2	134.7	130.5	125.3	125.3	122.2	121.1	121.1	119.0	122.2	120.1
80°	109.6	100.2	94.0	90.8	90.8	89.8	87.7	86.7	87.7	86.7	86.7
82.5°	71.0	66.8	63.7	60.6	59.5	60.6	59.5	57.4	58.5	57.4	59.5
85°	40.7	36.5	36.5	34.5	35.5	33.4	34.5	32.4	31.3	34.5	32.4
87.5°	17.8	16.7	16.7	14.6	14.6	14.6	13.6	14.6	13.6	12.5	13.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0
2.5°	1316.7	1309.4	1311.5	1309.4	1304.2	1301.0	1292.7	1282.3	1278.1	1272.9	1269.7
5°	1422.2	1416.9	1415.9	1407.6	1405.5	1392.9	1372.1	1361.6	1349.1	1336.5	1324.0
7.5°	1537.0	1530.8	1509.9	1506.7	1508.8	1493.2	1466.0	1445.1	1419.0	1401.3	1377.3
10°	1632.1	1619.5	1601.8	1602.8	1595.5	1574.6	1547.5	1525.5	1488.0	1465.0	1430.5
12.5°	1689.5	1679.0	1677.0	1666.5	1660.2	1633.1	1600.7	1572.5	1544.3	1513.0	1486.9
15°	1759.4	1745.9	1736.5	1721.8	1717.7	1689.5	1654.0	1621.6	1589.2	1560.0	1504.7
17.5°	1836.7	1822.1	1786.6	1783.5	1758.4	1731.2	1696.8	1648.8	1614.3	1572.5	1531.8
20°	1924.4	1903.5	1857.6	1846.1	1826.3	1781.4	1734.4	1681.1	1625.8	1583.0	1534.9
22.5°	2022.6	1986.0	1952.6	1916.1	1901.4	1846.1	1781.4	1716.6	1649.8	1591.3	1533.9
25°	2150.0	2101.9	2054.9	2018.4	1993.3	1921.3	1834.6	1749.0	1671.7	1595.5	1520.3
27.5°	2250.2	2208.4	2157.3	2109.2	2076.9	1991.2	1892.1	1781.4	1685.3	1592.4	1512.0
30°	2257.5	2245.0	2213.7	2187.6	2152.1	2060.2	1950.5	1825.2	1706.2	1593.4	1495.3
32.5°	2120.7	2145.8	2159.4	2163.5	2156.2	2103.0	2002.7	1864.9	1725.0	1584.0	1480.6
35°	1826.3	1893.1	1975.6	2006.9	2037.2	2065.4	2013.2	1893.1	1731.2	1581.9	1457.7
37.5°	1503.6	1564.2	1701.0	1763.6	1799.1	1910.8	1953.7	1888.9	1743.8	1584.0	1435.7
40°	1213.3	1309.4	1407.6	1492.1	1547.5	1672.8	1805.4	1820.0	1726.0	1564.2	1407.6
42.5°	1021.2	1077.6	1151.7	1230.0	1279.1	1427.4	1607.0	1712.5	1670.7	1531.8	1373.1
45°	869.8	911.6	981.5	1007.6	1070.3	1212.3	1402.3	1554.8	1575.7	1480.6	1333.4
47.5°	746.6	782.1	827.0	859.4	909.5	1016.0	1176.8	1344.9	1445.1	1410.7	1278.1
50°	657.8	687.1	724.7	743.5	775.8	871.9	993.0	1160.1	1294.8	1306.3	1206.0
52.5°	583.7	600.4	629.6	650.5	676.6	735.1	844.7	982.6	1134.0	1196.6	1117.3
55°	519.0	532.5	558.6	572.2	585.8	635.9	721.5	846.8	988.8	1071.3	1026.4
57.5°	460.5	472.0	493.9	506.4	513.7	561.8	627.6	725.7	853.1	953.3	928.3
60°	412.5	422.9	435.4	444.8	453.2	492.9	538.8	618.2	732.0	829.1	822.8
62.5°	361.3	370.7	384.3	393.7	401.0	426.0	464.7	525.2	622.3	712.1	729.9
65°	316.4	323.7	333.1	337.3	346.7	365.5	396.8	451.1	530.4	610.8	623.4
67.5°	275.7	277.8	284.0	293.4	295.5	312.2	340.4	381.1	442.7	508.5	528.4
70°	231.8	234.9	240.2	247.5	251.6	262.1	286.1	313.3	366.5	423.9	438.6
72.5°	193.2	197.3	199.4	203.6	205.7	222.4	232.9	260.0	296.5	344.6	360.2
75°	156.6	160.8	161.8	163.9	166.0	173.3	188.0	204.7	234.9	266.3	287.1
77.5°	124.3	123.2	125.3	128.4	127.4	133.7	143.1	157.7	177.5	203.6	217.2
80°	87.7	87.7	90.8	94.0	92.9	99.2	102.3	112.8	129.5	146.2	151.4
82.5°	58.5	58.5	61.6	61.6	63.7	64.7	68.9	74.1	87.7	96.1	99.2
85°	33.4	33.4	34.5	34.5	34.5	36.5	39.7	41.8	45.9	51.2	53.3
87.5°	13.6	14.6	14.6	14.6	14.6	16.7	16.7	18.8	19.8	21.9	21.9
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: P1004643

CATALOG NUMBER: S125DR-B850DB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0
2.5°	1265.5	1260.3	1254.1	1254.1	1246.7	1243.6	1237.4	1235.3	1230.0	1221.7	1215.4
5°	1310.4	1296.9	1288.5	1281.2	1265.5	1254.1	1242.6	1230.0	1217.5	1202.9	1186.2
7.5°	1354.3	1329.2	1317.8	1305.2	1282.3	1258.2	1235.3	1218.6	1201.8	1178.9	1158.0
10°	1400.2	1368.9	1348.0	1331.3	1295.8	1265.5	1232.1	1208.1	1182.0	1152.8	1125.6
12.5°	1438.9	1398.2	1380.4	1349.1	1308.4	1271.8	1230.0	1193.5	1159.0	1124.6	1091.2
15°	1471.2	1432.6	1388.8	1376.2	1319.8	1267.6	1220.6	1173.7	1130.8	1096.4	1057.8
17.5°	1481.7	1432.6	1410.7	1380.4	1313.6	1259.3	1199.8	1148.6	1107.9	1056.7	1026.4
20°	1484.8	1437.8	1407.6	1379.4	1319.8	1247.8	1189.3	1126.7	1077.6	1026.4	978.4
22.5°	1476.5	1421.1	1391.9	1364.7	1297.9	1236.3	1168.4	1099.5	1042.1	995.1	947.1
25°	1460.8	1396.1	1367.9	1338.6	1274.9	1207.1	1132.9	1067.2	1013.9	957.5	910.5
27.5°	1439.9	1365.8	1333.4	1303.1	1240.5	1176.8	1106.8	1039.0	979.4	919.9	876.1
30°	1413.8	1328.2	1299.0	1259.3	1198.7	1138.2	1074.5	1006.6	939.8	883.4	835.3
32.5°	1380.4	1290.6	1252.0	1214.4	1148.6	1093.3	1032.7	969.0	904.3	848.9	798.8
35°	1350.1	1247.8	1205.0	1167.4	1094.3	1035.8	985.7	926.2	868.8	811.3	766.4
37.5°	1309.4	1205.0	1153.8	1115.2	1041.0	981.5	934.5	888.6	828.0	772.7	730.9
40°	1266.6	1151.7	1103.7	1065.1	987.8	923.1	878.2	837.4	788.4	737.2	693.3
42.5°	1228.0	1100.6	1049.4	1002.4	924.1	866.7	820.7	789.4	744.5	698.6	658.9
45°	1178.9	1046.3	990.9	941.8	866.7	804.0	760.2	735.1	701.7	656.8	622.3
47.5°	1128.8	987.8	930.4	882.3	800.9	745.5	702.7	678.7	655.7	620.2	585.8
50°	1063.0	926.2	874.0	818.6	738.2	681.8	646.3	622.3	604.6	579.5	550.3
52.5°	990.9	862.5	806.1	758.1	678.7	627.6	586.8	573.3	555.5	536.7	511.6
55°	914.7	793.6	739.3	692.3	619.2	567.0	533.6	519.0	505.4	490.8	474.1
57.5°	838.5	721.5	670.4	628.6	560.7	510.6	483.5	463.6	454.2	445.9	432.3
60°	743.5	644.3	604.6	567.0	500.2	454.2	428.1	413.5	405.1	401.0	394.7
62.5°	659.9	578.5	534.6	498.1	444.8	404.1	379.0	367.6	360.2	358.2	350.8
65°	571.2	501.2	466.7	435.4	389.5	352.9	332.0	318.5	313.3	312.2	312.2
67.5°	487.6	431.2	396.8	374.9	335.2	302.8	283.0	277.8	274.6	270.4	269.4
70°	409.3	364.4	334.1	315.3	279.8	255.8	240.2	231.8	231.8	228.7	226.6
72.5°	340.4	295.5	275.7	260.0	230.8	209.9	198.4	196.3	189.0	188.0	188.0
75°	266.3	232.9	219.3	205.7	183.8	169.2	159.8	154.5	150.4	150.4	151.4
77.5°	200.5	177.5	165.0	154.5	138.9	129.5	122.2	120.1	115.9	115.9	115.9
80°	142.0	129.5	120.1	111.7	100.2	91.9	87.7	83.5	83.5	82.5	83.5
82.5°	91.9	81.4	76.2	75.2	64.7	61.6	56.4	57.4	54.3	53.3	55.3
85°	53.3	48.0	41.8	39.7	35.5	31.3	29.2	30.3	29.2	28.2	29.2
87.5°	20.9	17.8	16.7	16.7	13.6	12.5	11.5	12.5	10.4	10.4	11.5
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: P1004643

CATALOG NUMBER: S125DR-B850DB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0
2.5°	1213.3	1211.2	1206.0	1202.9	1192.5	1179.9	1175.7	1165.3	1169.5	1162.2	1162.2
5°	1181.0	1171.6	1165.3	1155.9	1136.1	1122.5	1107.9	1100.6	1096.4	1091.2	1087.0
7.5°	1139.2	1131.9	1125.6	1107.9	1085.9	1067.2	1049.4	1042.1	1028.5	1019.1	1014.9
10°	1102.7	1092.2	1077.6	1056.7	1033.7	1009.7	994.1	978.4	968.0	962.7	951.2
12.5°	1065.1	1052.5	1036.9	1006.6	981.5	966.9	938.7	924.1	918.9	914.7	901.1
15°	1026.4	1012.9	994.1	965.9	943.9	909.5	892.8	881.3	868.8	867.7	857.3
17.5°	992.0	975.3	959.6	925.1	898.0	867.7	858.3	845.8	834.3	821.8	816.5
20°	948.1	932.5	921.0	883.4	853.1	834.3	818.6	808.2	800.9	788.4	786.3
22.5°	908.4	891.7	876.1	847.9	821.8	797.8	779.0	767.5	764.3	759.1	749.7
25°	869.8	853.1	834.3	808.2	781.0	764.3	747.6	740.3	734.1	725.7	718.4
27.5°	837.4	821.8	804.0	771.6	748.7	736.1	718.4	710.0	701.7	697.5	694.4
30°	798.8	781.0	767.5	742.4	717.4	700.6	688.1	680.8	673.5	669.3	667.2
32.5°	761.2	744.5	735.1	708.0	688.1	668.3	658.9	653.7	649.5	645.3	641.1
35°	730.9	714.2	699.6	674.5	654.7	641.1	633.8	625.5	622.3	618.2	618.2
37.5°	693.3	680.8	666.2	642.2	624.4	614.0	607.7	597.3	596.2	594.1	591.0
40°	661.0	648.4	634.9	614.0	598.3	585.8	577.4	572.2	569.1	567.0	564.9
42.5°	626.5	612.9	606.7	582.7	569.1	556.5	552.4	547.1	546.1	541.9	536.7
45°	593.1	581.6	569.1	551.3	539.8	529.4	523.1	519.0	513.7	512.7	509.6
47.5°	563.9	550.3	538.8	522.1	509.6	501.2	496.0	490.8	486.6	483.5	480.3
50°	526.3	515.8	506.4	488.7	478.2	469.9	462.6	458.4	454.2	454.2	454.2
52.5°	489.7	480.3	472.0	459.4	446.9	439.6	431.2	428.1	426.0	422.9	426.0
55°	454.2	444.8	436.5	427.1	412.5	406.2	397.8	394.7	395.7	395.7	398.9
57.5°	416.6	409.3	404.1	392.6	379.0	372.8	367.6	364.4	364.4	368.6	369.6
60°	380.1	372.8	363.4	352.9	344.6	337.3	334.1	335.2	335.2	337.3	342.5
62.5°	339.4	335.2	330.0	315.3	310.1	304.9	300.7	303.9	302.8	308.0	315.3
65°	301.8	297.6	290.3	283.0	276.7	271.5	270.4	271.5	273.6	278.8	287.1
67.5°	260.0	260.0	253.7	247.5	242.2	237.0	238.1	239.1	241.2	247.5	260.0
70°	225.5	221.4	215.1	210.9	206.7	204.7	202.6	206.7	213.0	217.2	226.6
72.5°	188.0	184.8	179.6	175.4	174.4	172.3	171.2	173.3	179.6	186.9	197.3
75°	148.3	149.3	146.2	143.1	143.1	139.9	142.0	142.0	148.3	155.6	163.9
77.5°	114.9	113.8	112.8	110.7	109.6	109.6	109.6	111.7	118.0	122.2	130.5
80°	81.4	82.5	79.4	80.4	79.4	80.4	80.4	84.6	87.7	92.9	99.2
82.5°	54.3	54.3	52.2	53.3	53.3	53.3	54.3	56.4	60.6	64.7	68.9
85°	30.3	31.3	29.2	31.3	31.3	31.3	32.4	33.4	36.5	37.6	41.8
87.5°	11.5	13.6	13.6	11.5	12.5	13.6	14.6	13.6	15.7	17.8	18.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1004643

CATALOG NUMBER: S125DR-B850DB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0
2.5°	1166.3	1159.0	1158.0	1160.1	1155.9	1162.2	1160.1	1162.2	1156.9	1162.2	1159.0
5°	1085.9	1083.9	1079.7	1074.5	1075.5	1076.5	1081.8	1076.5	1080.7	1081.8	1087.0
7.5°	1010.8	1006.6	1009.7	1007.6	998.2	996.1	998.2	1001.4	1007.6	1011.8	1014.9
10°	950.2	948.1	943.9	940.8	935.6	932.5	936.6	932.5	940.8	948.1	948.1
12.5°	904.3	895.9	890.7	889.6	878.2	880.2	884.4	887.6	896.9	901.1	901.1
15°	856.2	850.0	847.9	843.7	839.5	843.7	841.6	844.7	848.9	853.1	855.2
17.5°	814.5	813.4	814.5	804.0	807.1	801.9	803.0	808.2	805.1	808.2	814.5
20°	776.9	779.0	775.8	771.6	771.6	765.4	772.7	770.6	771.6	777.9	787.3
22.5°	748.7	747.6	744.5	741.4	737.2	738.2	739.3	737.2	745.5	750.8	751.8
25°	718.4	716.3	715.3	712.1	708.0	712.1	711.1	712.1	714.2	722.6	716.3
27.5°	690.2	686.0	688.1	685.0	683.9	685.0	685.0	686.0	688.1	689.2	690.2
30°	666.2	662.0	661.0	658.9	657.8	658.9	661.0	658.9	667.2	666.2	666.2
32.5°	640.1	636.9	634.9	634.9	633.8	632.8	633.8	634.9	641.1	636.9	641.1
35°	615.0	612.9	612.9	610.8	609.8	609.8	609.8	614.0	611.9	615.0	615.0
37.5°	591.0	591.0	590.0	587.9	586.8	587.9	586.8	588.9	587.9	588.9	590.0
40°	565.9	563.9	562.8	562.8	559.7	556.5	559.7	559.7	560.7	563.9	564.9
42.5°	535.7	536.7	536.7	532.5	532.5	532.5	533.6	534.6	534.6	536.7	536.7
45°	509.6	507.5	507.5	507.5	505.4	506.4	508.5	508.5	508.5	508.5	506.4
47.5°	480.3	480.3	481.4	481.4	484.5	483.5	483.5	482.4	480.3	480.3	481.4
50°	453.2	456.3	457.4	457.4	458.4	459.4	459.4	457.4	456.3	453.2	453.2
52.5°	427.1	429.2	431.2	434.4	436.5	435.4	435.4	433.3	429.2	428.1	427.1
55°	398.9	402.0	406.2	409.3	412.5	413.5	413.5	409.3	405.1	399.9	399.9
57.5°	372.8	375.9	383.2	386.3	390.5	390.5	388.4	385.3	379.0	374.9	371.7
60°	346.7	351.9	357.1	363.4	368.6	369.6	366.5	362.3	355.0	349.8	345.6
62.5°	318.5	323.7	334.1	340.4	344.6	344.6	344.6	339.4	330.0	322.7	316.4
65°	291.3	296.5	305.9	314.3	317.4	320.6	317.4	312.2	304.9	296.5	290.3
67.5°	263.1	269.4	278.8	285.1	289.2	292.4	290.3	286.1	276.7	265.2	261.0
70°	231.8	234.9	248.5	254.8	261.0	263.1	261.0	254.8	245.4	232.9	228.7
72.5°	202.6	205.7	218.2	223.5	228.7	230.8	227.6	223.5	215.1	203.6	198.4
75°	169.2	174.4	180.6	189.0	195.3	197.3	194.2	191.1	180.6	173.3	169.2
77.5°	133.7	138.9	147.2	154.5	160.8	159.8	155.6	156.6	145.1	136.8	133.7
80°	101.3	105.5	111.7	118.0	121.1	121.1	120.1	115.9	111.7	105.5	100.2
82.5°	70.0	75.2	80.4	84.6	84.6	85.6	83.5	82.5	78.3	73.1	72.0
85°	41.8	42.8	47.0	47.0	51.2	49.1	48.0	51.2	47.0	43.9	42.8
87.5°	18.8	17.8	18.8	18.8	17.8	19.8	19.8	18.8	19.8	18.8	18.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1004643

CATALOG NUMBER: S125DR-B850DB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0
2.5°	1168.4	1162.2	1169.5	1160.1	1162.2	1173.7	1172.6	1183.1	1189.3	1188.3	1193.5
5°	1091.2	1091.2	1094.3	1093.3	1103.7	1113.1	1125.6	1136.1	1147.6	1153.8	1161.1
7.5°	1014.9	1025.4	1027.5	1032.7	1045.2	1060.9	1073.4	1089.1	1105.8	1117.3	1125.6
10°	952.3	960.6	969.0	973.2	986.7	1007.6	1025.4	1050.4	1071.3	1083.9	1095.3
12.5°	896.9	906.3	910.5	929.3	938.7	952.3	977.4	1004.5	1027.5	1041.0	1050.4
15°	857.3	862.5	871.9	883.4	892.8	909.5	930.4	960.6	982.6	994.1	1026.4
17.5°	823.9	830.1	835.3	840.6	855.2	872.9	892.8	918.9	947.1	966.9	983.6
20°	789.4	792.5	798.8	807.1	817.6	834.3	852.0	879.2	904.3	919.9	941.8
22.5°	748.7	758.1	764.3	770.6	782.1	800.9	817.6	837.4	868.8	886.5	909.5
25°	724.7	728.8	733.0	740.3	748.7	765.4	784.2	805.1	830.1	848.9	868.8
27.5°	693.3	699.6	704.8	714.2	719.4	733.0	750.8	771.6	801.9	817.6	834.3
30°	667.2	673.5	677.7	681.8	689.2	703.8	720.5	737.2	765.4	785.2	801.9
32.5°	641.1	647.4	652.6	655.7	663.1	672.5	686.0	706.9	730.9	744.5	766.4
35°	618.2	618.2	624.4	628.6	634.9	643.2	655.7	671.4	696.5	714.2	734.1
37.5°	592.0	593.1	598.3	601.4	607.7	616.1	628.6	643.2	664.1	677.7	697.5
40°	564.9	568.0	570.1	575.3	582.7	585.8	598.3	615.0	635.9	648.4	665.1
42.5°	537.8	539.8	545.1	549.2	555.5	560.7	569.1	584.7	600.4	619.2	632.8
45°	507.5	512.7	515.8	523.1	526.3	531.5	539.8	552.4	571.2	582.7	598.3
47.5°	481.4	483.5	485.5	494.9	501.2	504.3	512.7	520.0	539.8	550.3	564.9
50°	453.2	453.2	456.3	460.5	467.8	474.1	481.4	489.7	505.4	515.8	530.4
52.5°	427.1	423.9	426.0	428.1	435.4	441.7	449.0	460.5	475.1	481.4	493.9
55°	398.9	393.7	396.8	399.9	402.0	410.4	418.7	426.0	437.5	446.9	458.4
57.5°	368.6	367.6	365.5	366.5	371.7	376.9	383.2	392.6	406.2	413.5	419.8
60°	341.4	335.2	333.1	335.2	338.3	341.4	349.8	358.2	369.6	376.9	384.3
62.5°	313.3	307.0	302.8	299.7	302.8	310.1	315.3	321.6	331.0	339.4	345.6
65°	286.1	276.7	272.5	270.4	269.4	274.6	278.8	287.1	295.5	298.6	305.9
67.5°	255.8	247.5	242.2	239.1	239.1	239.1	243.3	251.6	260.0	261.0	268.4
70°	225.5	216.1	210.9	206.7	204.7	206.7	212.0	213.0	220.3	222.4	226.6
72.5°	193.2	184.8	178.6	173.3	174.4	176.5	176.5	178.6	182.7	188.0	188.0
75°	162.9	151.4	148.3	144.1	142.0	142.0	142.0	146.2	149.3	153.5	152.5
77.5°	128.4	122.2	115.9	113.8	110.7	109.6	111.7	111.7	113.8	116.9	118.0
80°	99.2	91.9	87.7	85.6	81.4	80.4	81.4	81.4	84.6	83.5	84.6
82.5°	68.9	63.7	60.6	57.4	55.3	56.4	55.3	55.3	56.4	55.3	55.3
85°	39.7	38.6	36.5	35.5	34.5	32.4	34.5	33.4	32.4	31.3	33.4
87.5°	18.8	17.8	17.8	15.7	15.7	14.6	15.7	15.7	14.6	14.6	14.6
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: P1004643

CATALOG NUMBER: S125DR-B850DB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1230.0	1230.0	1230.0	1230.0
2.5°	1200.8	1211.2	1218.6	1232.1
5°	1173.7	1192.5	1210.2	1229.0
7.5°	1146.5	1168.4	1196.6	1220.6
10°	1116.2	1144.4	1177.8	1210.2
12.5°	1085.9	1119.4	1155.9	1198.7
15°	1049.4	1092.2	1135.0	1181.0
17.5°	1017.0	1060.9	1106.8	1164.3
20°	980.5	1028.5	1078.6	1137.1
22.5°	948.1	1001.4	1053.6	1115.2
25°	911.6	963.8	1021.2	1087.0
27.5°	881.3	929.3	985.7	1056.7
30°	844.7	896.9	953.3	1024.3
32.5°	810.3	860.4	919.9	989.9
35°	774.8	825.9	879.2	946.0
37.5°	741.4	785.2	838.5	902.2
40°	703.8	751.8	799.8	850.0
42.5°	669.3	713.2	758.1	797.8
45°	630.7	668.3	711.1	743.5
47.5°	595.2	628.6	662.0	687.1
50°	559.7	585.8	610.8	632.8
52.5°	517.9	547.1	560.7	574.3
55°	480.3	497.0	509.6	523.1
57.5°	443.8	451.1	457.4	469.9
60°	395.7	404.1	411.4	420.8
62.5°	354.0	358.2	360.2	369.6
65°	314.3	313.3	318.5	323.7
67.5°	271.5	270.4	275.7	277.8
70°	229.7	228.7	229.7	234.9
72.5°	190.0	190.0	191.1	193.2
75°	153.5	153.5	154.5	156.6
77.5°	115.9	118.0	116.9	121.1
80°	84.6	82.5	84.6	86.7
82.5°	55.3	57.4	57.4	55.3
85°	31.3	31.3	31.3	31.3
87.5°	13.6	13.6	14.6	15.7
90°	0.0	0.0	0.0	0.0

(END OF REPORT)