

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: P1004644

Luminaire Tested: S125DR-B850DB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1004644
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_3500K
Description: Define 5 Direct Recessed with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

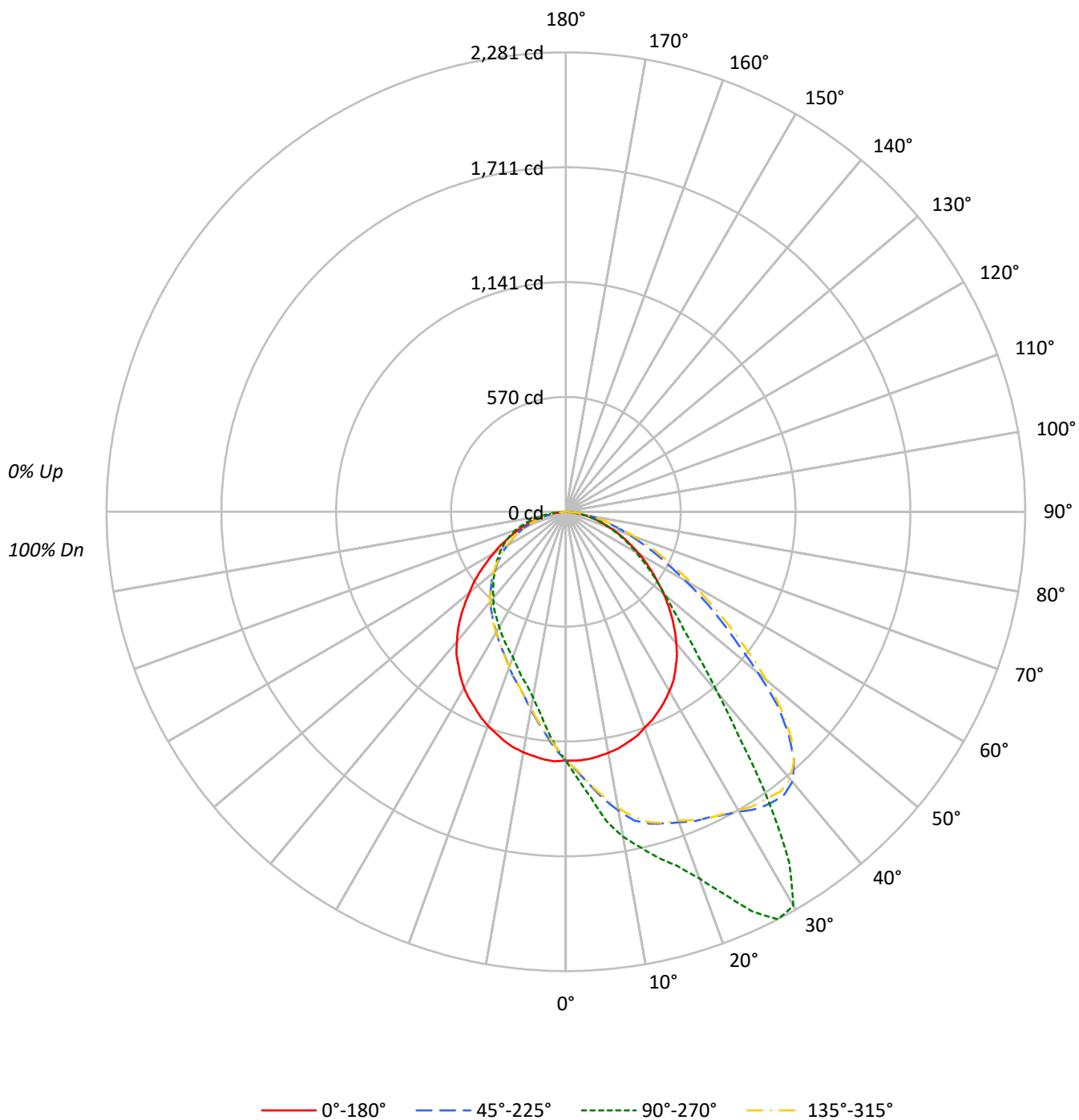
Lumens per Lamp: N/A
Luminaire Lumens: 3485.0 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Direct

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°	7913	7913	7913	7913
5°	7937	9164	7943	6952
10°	7905	10661	7892	6091
15°	7865	11801	7816	5619
20°	7784	13210	7713	5240
25°	7716	15475	7575	5055
30°	7609	16715	7477	4894
35°	7429	13743	7273	4789
40°	7138	9768	7032	4674
45°	6764	7504	6688	4608
50°	6332	6406	6228	4598
55°	5867	5704	5820	4638
60°	5414	5145	5320	4755
65°	4927	4753	4848	4880
70°	4419	4320	4359	4949
75°	3894	3815	3842	4904
80°	3210	3210	3096	4487
85°	2316	2544	2235	3624

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 14334 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.9	3.4
10°-20°	354.0	10.2
20°-30°	575.1	16.5
30°-40°	702.9	20.2
40°-50°	637.5	18.3
50°-60°	507.8	14.6
60°-70°	353.7	10.1
70°-80°	188.4	5.4
80°-90°	46.7	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°	1048.0	30.1
0°-40°	1750.8	50.2
0°-60°	2896.2	83.1
0°-90°	3485.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3485.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1235	1235	1235	1235	1235	
5°	1234	1425	1235	1081	1234	117
15°	1186	1779	1178	847	1186	335
25°	1091	2189	1072	715	1091	503
35°	950	1757	930	612	950	593
45°	746	828	738	508	746	575
55°	525	511	521	415	525	470
65°	325	314	320	322	325	322
75°	157	154	155	198	157	167
85°	32	35	30	49	32	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°	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0
2.5°	1237.1	1244.4	1252.8	1259.1	1269.6	1272.7	1278.0	1281.1	1284.3	1287.4	1289.5
5°	1234.0	1251.8	1267.5	1279.0	1299.0	1306.3	1315.7	1327.3	1340.9	1352.4	1359.8
7.5°	1225.6	1253.9	1274.8	1297.9	1325.2	1343.0	1352.4	1376.5	1398.6	1415.3	1437.3
10°	1215.1	1248.6	1281.1	1315.7	1354.5	1374.4	1393.3	1426.9	1457.3	1484.5	1506.5
12.5°	1203.6	1244.4	1283.2	1328.3	1380.7	1404.8	1417.4	1475.1	1512.8	1527.5	1570.5
15°	1185.7	1234.0	1289.5	1345.1	1389.1	1417.4	1452.0	1498.1	1535.9	1568.4	1603.0
17.5°	1169.0	1221.4	1278.0	1339.8	1403.8	1440.5	1466.7	1507.6	1548.5	1590.4	1622.9
20°	1141.7	1209.8	1267.5	1333.6	1409.0	1435.2	1462.5	1510.7	1554.8	1599.8	1640.7
22.5°	1119.7	1184.7	1263.3	1326.2	1390.2	1416.4	1449.9	1500.2	1552.7	1604.0	1663.8
25°	1091.4	1163.7	1231.9	1299.0	1365.0	1393.3	1423.7	1488.7	1543.2	1609.3	1675.3
27.5°	1061.0	1135.4	1203.6	1264.4	1326.2	1365.0	1397.5	1465.6	1538.0	1610.3	1696.3
30°	1028.5	1098.7	1163.7	1223.5	1291.6	1331.5	1364.0	1443.6	1524.4	1616.6	1719.4
32.5°	993.9	1059.9	1115.5	1176.3	1248.6	1285.3	1329.4	1416.4	1511.8	1621.9	1750.8
35°	949.8	1012.7	1062.0	1123.9	1196.2	1243.4	1289.5	1387.0	1498.1	1620.8	1768.6
37.5°	905.8	955.1	1002.3	1068.3	1152.2	1195.2	1243.4	1350.3	1477.2	1617.7	1776.0
40°	853.4	901.6	942.5	1009.6	1097.7	1146.9	1197.3	1309.4	1453.1	1606.1	1749.8
42.5°	801.0	841.9	886.9	957.2	1042.1	1094.5	1148.0	1272.7	1421.6	1572.6	1677.4
45°	746.5	777.9	827.2	891.1	981.3	1031.6	1092.4	1227.7	1377.6	1511.8	1564.2
47.5°	689.8	721.3	767.4	829.3	918.4	978.1	1035.8	1171.1	1322.0	1425.8	1425.8
50°	635.3	660.5	705.6	767.4	857.6	912.1	970.8	1114.4	1236.1	1312.6	1244.4
52.5°	576.6	604.9	642.7	707.7	796.8	846.1	910.0	1032.7	1148.0	1179.4	1074.6
55°	525.2	548.3	584.0	645.8	728.6	780.0	834.5	951.9	1049.4	1047.3	935.2
57.5°	471.8	490.6	528.4	585.0	661.5	707.7	762.2	863.9	943.6	915.2	809.4
60°	422.5	436.1	472.8	519.0	592.3	635.3	687.7	770.6	831.4	791.5	684.6
62.5°	371.1	386.9	416.2	461.3	526.3	560.9	599.7	683.6	722.3	686.7	577.7
65°	325.0	337.6	363.8	401.5	460.2	491.7	525.2	594.4	631.1	579.8	489.6
67.5°	278.9	293.5	312.4	346.0	392.1	421.5	450.8	510.6	527.3	481.2	405.7
70°	235.9	248.5	266.3	290.4	329.2	355.4	377.4	426.7	438.2	395.2	335.5
72.5°	194.0	202.3	217.0	236.9	272.6	287.3	310.3	343.9	358.5	319.8	276.8
75°	157.3	163.5	173.0	187.7	211.8	227.5	246.4	277.8	276.8	249.5	219.1
77.5°	121.6	122.7	133.1	146.8	161.5	175.1	184.5	206.5	208.6	191.9	166.7
80°	87.0	90.2	94.4	104.8	117.4	122.7	134.2	147.8	149.9	137.3	120.6
82.5°	55.6	57.7	60.8	67.1	75.5	81.8	88.1	93.3	98.5	91.2	77.6
85°	31.5	32.5	35.6	37.7	41.9	45.1	50.3	55.6	54.5	49.3	45.1
87.5°	15.7	15.7	15.7	17.8	19.9	19.9	22.0	23.1	24.1	22.0	19.9
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°	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0
2.5°	1291.6	1299.0	1305.2	1310.5	1314.7	1321.0	1316.8	1317.8	1319.9	1324.1	1324.1
5°	1375.5	1387.0	1393.3	1414.3	1419.5	1418.5	1415.3	1432.1	1431.1	1424.8	1423.7
7.5°	1457.3	1477.2	1495.0	1511.8	1517.0	1530.6	1533.8	1541.1	1539.0	1549.5	1544.3
10°	1531.7	1563.1	1579.9	1605.1	1611.4	1617.7	1626.1	1630.2	1639.7	1638.6	1638.6
12.5°	1589.4	1627.1	1649.1	1655.4	1679.5	1686.9	1694.2	1707.8	1704.7	1705.7	1712.0
15°	1634.4	1671.1	1690.0	1719.4	1736.1	1744.5	1757.1	1771.8	1769.7	1779.1	1777.0
17.5°	1668.0	1702.6	1737.2	1781.2	1782.3	1804.3	1833.6	1839.9	1853.6	1844.1	1844.1
20°	1695.2	1741.4	1790.6	1847.3	1853.6	1867.2	1902.8	1926.9	1942.7	1937.4	1940.6
22.5°	1724.6	1790.6	1848.3	1904.9	1935.3	1959.4	1994.0	2031.8	2045.4	2053.8	2051.7
25°	1762.3	1831.5	1916.5	1995.1	2026.5	2072.7	2118.8	2155.5	2166.0	2189.0	2168.1
27.5°	1801.1	1898.6	2004.5	2096.8	2136.6	2174.4	2229.9	2257.2	2270.8	2281.3	2274.0
30°	1833.6	1967.8	2083.2	2168.1	2196.4	2218.4	2249.8	2256.1	2250.9	2259.3	2269.8
32.5°	1884.0	2015.0	2112.5	2153.4	2150.2	2149.2	2125.1	2091.5	2084.2	2064.3	2091.5
35°	1911.2	2016.1	2053.8	1999.3	1977.3	1937.4	1860.9	1810.6	1766.5	1757.1	1759.2
37.5°	1895.5	1936.4	1891.3	1747.7	1712.0	1651.2	1549.5	1478.2	1445.7	1420.6	1453.1
40°	1810.6	1765.5	1641.8	1466.7	1415.3	1357.7	1262.3	1223.5	1177.3	1167.9	1210.9
42.5°	1670.1	1532.7	1357.7	1222.4	1169.0	1136.5	1056.8	1020.1	987.6	972.9	997.0
45°	1479.3	1312.6	1136.5	1025.3	980.2	941.5	894.3	855.5	834.5	828.2	848.1
47.5°	1282.2	1106.1	965.6	882.7	835.6	806.2	762.2	740.2	723.4	725.5	728.6
50°	1093.5	933.1	825.1	742.3	719.2	696.1	666.8	647.9	639.5	642.7	640.6
52.5°	931.0	801.0	709.8	645.8	635.3	613.3	589.2	573.5	570.3	571.4	574.5
55°	788.4	686.7	614.4	568.2	556.7	541.0	526.3	515.8	507.4	510.6	509.5
57.5°	680.4	591.3	535.7	498.0	489.6	480.2	466.5	461.3	458.1	451.9	457.1
60°	585.0	512.7	464.4	441.4	434.0	427.7	413.1	406.8	404.7	401.5	409.9
62.5°	494.8	443.5	406.8	385.8	378.5	372.2	364.8	359.6	360.6	356.5	360.6
65°	423.5	381.6	355.4	336.5	327.1	322.9	321.9	313.5	312.4	313.5	314.5
67.5°	357.5	321.9	301.9	290.4	283.1	278.9	275.7	270.5	274.7	271.5	273.6
70°	297.7	273.6	252.7	241.1	238.0	239.0	233.8	231.7	232.7	230.6	232.7
72.5°	240.1	220.2	211.8	203.4	199.2	198.1	195.0	191.9	195.0	194.0	194.0
75°	191.9	177.2	167.7	162.5	162.5	160.4	155.2	155.2	155.2	154.1	155.2
77.5°	147.8	135.2	131.0	125.8	125.8	122.7	121.6	121.6	119.5	122.7	120.6
80°	110.1	100.6	94.4	91.2	91.2	90.2	88.1	87.0	88.1	87.0	87.0
82.5°	71.3	67.1	64.0	60.8	59.8	60.8	59.8	57.7	58.7	57.7	59.8
85°	40.9	36.7	36.7	34.6	35.6	33.5	34.6	32.5	31.5	34.6	32.5
87.5°	17.8	16.8	16.8	14.7	14.7	14.7	13.6	14.7	13.6	12.6	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°	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0
2.5°	1322.0	1314.7	1316.8	1314.7	1309.4	1306.3	1297.9	1287.4	1283.2	1278.0	1274.8
5°	1427.9	1422.7	1421.6	1413.2	1411.1	1398.6	1377.6	1367.1	1354.5	1341.9	1329.4
7.5°	1543.2	1536.9	1516.0	1512.8	1514.9	1499.2	1471.9	1451.0	1424.8	1406.9	1382.8
10°	1638.6	1626.1	1608.2	1609.3	1601.9	1581.0	1553.7	1531.7	1494.0	1470.9	1436.3
12.5°	1696.3	1685.8	1683.7	1673.2	1666.9	1639.7	1607.2	1578.9	1550.6	1519.1	1492.9
15°	1766.5	1752.9	1743.5	1728.8	1724.6	1696.3	1660.6	1628.1	1595.6	1566.3	1510.7
17.5°	1844.1	1829.4	1793.8	1790.6	1765.5	1738.2	1703.6	1655.4	1620.8	1578.9	1538.0
20°	1932.2	1911.2	1865.1	1853.6	1833.6	1788.6	1741.4	1687.9	1632.3	1589.4	1541.1
22.5°	2030.7	1994.0	1960.5	1923.8	1909.1	1853.6	1788.6	1723.6	1656.5	1597.7	1540.1
25°	2158.6	2110.4	2063.2	2026.5	2001.4	1929.0	1842.0	1756.1	1678.5	1601.9	1526.5
27.5°	2259.3	2217.3	2166.0	2117.7	2085.2	1999.3	1899.7	1788.6	1692.1	1598.8	1518.1
30°	2266.6	2254.0	2222.6	2196.4	2160.7	2068.5	1958.4	1832.6	1713.1	1599.8	1501.3
32.5°	2129.3	2154.4	2168.1	2172.3	2164.9	2111.5	2010.8	1872.4	1731.9	1590.4	1486.6
35°	1833.6	1900.7	1983.6	2015.0	2045.4	2073.7	2021.3	1900.7	1738.2	1588.3	1463.6
37.5°	1509.7	1570.5	1707.8	1770.7	1806.4	1918.6	1961.5	1896.5	1750.8	1590.4	1441.5
40°	1218.2	1314.7	1413.2	1498.1	1553.7	1679.5	1812.7	1827.3	1733.0	1570.5	1413.2
42.5°	1025.3	1081.9	1156.4	1235.0	1284.3	1433.1	1613.5	1719.4	1677.4	1538.0	1378.6
45°	873.3	915.2	985.5	1011.7	1074.6	1217.2	1408.0	1561.1	1582.0	1486.6	1338.8
47.5°	749.6	785.2	830.3	862.8	913.1	1020.1	1181.5	1350.3	1451.0	1416.4	1283.2
50°	660.5	689.8	727.6	746.5	779.0	875.4	997.0	1164.8	1300.0	1311.5	1210.9
52.5°	586.0	602.8	632.2	653.1	679.4	738.1	848.1	986.5	1138.6	1201.5	1121.8
55°	521.0	534.7	560.9	574.5	588.1	638.5	724.4	850.2	992.8	1075.6	1030.6
57.5°	462.3	473.9	495.9	508.5	515.8	564.0	630.1	728.6	856.5	957.2	932.0
60°	414.1	424.6	437.2	446.6	455.0	494.8	541.0	620.6	734.9	832.4	826.1
62.5°	362.7	372.2	385.8	395.2	402.6	427.7	466.5	527.3	624.8	715.0	732.8
65°	317.7	325.0	334.4	338.6	348.1	366.9	398.4	452.9	532.6	613.3	625.9
67.5°	276.8	278.9	285.2	294.6	296.7	313.5	341.8	382.7	444.5	510.6	530.5
70°	232.7	235.9	241.1	248.5	252.7	263.1	287.3	314.5	368.0	425.6	440.3
72.5°	194.0	198.1	200.2	204.4	206.5	223.3	233.8	261.0	297.7	346.0	361.7
75°	157.3	161.5	162.5	164.6	166.7	174.0	188.7	205.5	235.9	267.3	288.3
77.5°	124.8	123.7	125.8	129.0	127.9	134.2	143.6	158.3	178.2	204.4	218.1
80°	88.1	88.1	91.2	94.4	93.3	99.6	102.7	113.2	130.0	146.8	152.0
82.5°	58.7	58.7	61.9	61.9	64.0	65.0	69.2	74.4	88.1	96.5	99.6
85°	33.5	33.5	34.6	34.6	34.6	36.7	39.8	41.9	46.1	51.4	53.5
87.5°	13.6	14.7	14.7	14.7	14.7	16.8	16.8	18.9	19.9	22.0	22.0
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: P1004644

CATALOG NUMBER: S125DR-B850DB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0
2.5°	1270.6	1265.4	1259.1	1259.1	1251.8	1248.6	1242.3	1240.2	1235.0	1226.6	1220.3
5°	1315.7	1302.1	1293.7	1286.4	1270.6	1259.1	1247.6	1235.0	1222.4	1207.7	1191.0
7.5°	1359.8	1334.6	1323.1	1310.5	1287.4	1263.3	1240.2	1223.5	1206.7	1183.6	1162.7
10°	1405.9	1374.4	1353.5	1336.7	1301.1	1270.6	1237.1	1213.0	1186.8	1157.4	1130.2
12.5°	1444.7	1403.8	1386.0	1354.5	1313.6	1276.9	1235.0	1198.3	1163.7	1129.1	1095.6
15°	1477.2	1438.4	1394.4	1381.8	1325.2	1272.7	1225.6	1178.4	1135.4	1100.8	1062.0
17.5°	1487.7	1438.4	1416.4	1386.0	1318.9	1264.4	1204.6	1153.2	1112.3	1061.0	1030.6
20°	1490.8	1443.6	1413.2	1384.9	1325.2	1252.8	1194.1	1131.2	1081.9	1030.6	982.3
22.5°	1482.4	1426.9	1397.5	1370.2	1303.1	1241.3	1173.1	1104.0	1046.3	999.1	950.9
25°	1466.7	1401.7	1373.4	1344.0	1280.1	1211.9	1137.5	1071.5	1018.0	961.4	914.2
27.5°	1445.7	1371.3	1338.8	1308.4	1245.5	1181.5	1111.3	1043.1	983.4	923.6	879.6
30°	1419.5	1333.6	1304.2	1264.4	1203.6	1142.7	1078.8	1010.6	943.6	886.9	838.7
32.5°	1386.0	1295.8	1257.0	1219.3	1153.2	1097.7	1036.9	972.9	907.9	852.3	802.0
35°	1355.6	1252.8	1209.8	1172.1	1098.7	1040.0	989.7	929.9	872.3	814.6	769.5
37.5°	1314.7	1209.8	1158.5	1119.7	1045.2	985.5	938.3	892.2	831.4	775.8	733.9
40°	1271.7	1156.4	1108.1	1069.4	991.8	926.8	881.7	840.8	791.5	740.2	696.1
42.5°	1232.9	1105.0	1053.6	1006.5	927.8	870.2	824.0	792.6	747.5	701.4	661.5
45°	1183.6	1050.5	994.9	945.6	870.2	807.3	763.2	738.1	704.5	659.4	624.8
47.5°	1133.3	991.8	934.1	885.9	804.1	748.6	705.6	681.5	658.4	622.7	588.1
50°	1067.3	929.9	877.5	821.9	741.2	684.6	649.0	624.8	607.0	581.9	552.5
52.5°	994.9	866.0	809.4	761.1	681.5	630.1	589.2	575.6	557.7	538.9	513.7
55°	918.4	796.8	742.3	695.1	621.7	569.3	535.7	521.0	507.4	492.7	476.0
57.5°	841.9	724.4	673.1	631.1	563.0	512.7	485.4	465.5	456.0	447.7	434.0
60°	746.5	646.9	607.0	569.3	502.2	456.0	429.8	415.2	406.8	402.6	396.3
62.5°	662.6	580.8	536.8	500.1	446.6	405.7	380.6	369.0	361.7	359.6	352.3
65°	573.5	503.2	468.6	437.2	391.0	354.4	333.4	319.8	314.5	313.5	313.5
67.5°	489.6	433.0	398.4	376.4	336.5	304.0	284.1	278.9	275.7	271.5	270.5
70°	411.0	365.9	335.5	316.6	281.0	256.9	241.1	232.7	232.7	229.6	227.5
72.5°	341.8	296.7	276.8	261.0	231.7	210.7	199.2	197.1	189.8	188.7	188.7
75°	267.3	233.8	220.2	206.5	184.5	169.8	160.4	155.2	151.0	151.0	152.0
77.5°	201.3	178.2	165.6	155.2	139.4	130.0	122.7	120.6	116.4	116.4	116.4
80°	142.6	130.0	120.6	112.2	100.6	92.3	88.1	83.9	83.9	82.8	83.9
82.5°	92.3	81.8	76.5	75.5	65.0	61.9	56.6	57.7	54.5	53.5	55.6
85°	53.5	48.2	41.9	39.8	35.6	31.5	29.4	30.4	29.4	28.3	29.4
87.5°	21.0	17.8	16.8	16.8	13.6	12.6	11.5	12.6	10.5	10.5	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: P1004644

CATALOG NUMBER: S125DR-B850DB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0
2.5°	1218.2	1216.1	1210.9	1207.7	1197.3	1184.7	1180.5	1170.0	1174.2	1166.9	1166.9
5°	1185.7	1176.3	1170.0	1160.6	1140.6	1127.0	1112.3	1105.0	1100.8	1095.6	1091.4
7.5°	1143.8	1136.5	1130.2	1112.3	1090.3	1071.5	1053.6	1046.3	1032.7	1023.2	1019.0
10°	1107.1	1096.6	1081.9	1061.0	1037.9	1013.8	998.1	982.3	971.9	966.6	955.1
12.5°	1069.4	1056.8	1041.1	1010.6	985.5	970.8	942.5	927.8	922.6	918.4	904.8
15°	1030.6	1016.9	998.1	969.8	947.7	913.1	896.4	884.8	872.3	871.2	860.7
17.5°	996.0	979.2	963.5	928.9	901.6	871.2	861.8	849.2	837.7	825.1	819.8
20°	951.9	936.2	924.7	886.9	856.5	837.7	821.9	811.5	804.1	791.5	789.4
22.5°	912.1	895.3	879.6	851.3	825.1	801.0	782.1	770.6	767.4	762.2	752.7
25°	873.3	856.5	837.7	811.5	784.2	767.4	750.6	743.3	737.0	728.6	721.3
27.5°	840.8	825.1	807.3	774.8	751.7	739.1	721.3	712.9	704.5	700.3	697.2
30°	802.0	784.2	770.6	745.4	720.2	703.5	690.9	683.6	676.2	672.0	669.9
32.5°	764.3	747.5	738.1	710.8	690.9	671.0	661.5	656.3	652.1	647.9	643.7
35°	733.9	717.1	702.4	677.3	657.3	643.7	636.4	628.0	624.8	620.6	620.6
37.5°	696.1	683.6	668.9	644.8	626.9	616.5	610.2	599.7	598.6	596.5	593.4
40°	663.6	651.1	637.4	616.5	600.7	588.1	579.8	574.5	571.4	569.3	567.2
42.5°	629.0	615.4	609.1	585.0	571.4	558.8	554.6	549.4	548.3	544.1	538.9
45°	595.5	584.0	571.4	553.5	542.0	531.5	525.2	521.0	515.8	514.8	511.6
47.5°	566.1	552.5	541.0	524.2	511.6	503.2	498.0	492.7	488.5	485.4	482.3
50°	528.4	517.9	508.5	490.6	480.2	471.8	464.4	460.2	456.0	456.0	456.0
52.5°	491.7	482.3	473.9	461.3	448.7	441.4	433.0	429.8	427.7	424.6	427.7
55°	456.0	446.6	438.2	428.8	414.1	407.8	399.4	396.3	397.3	397.3	400.5
57.5°	418.3	411.0	405.7	394.2	380.6	374.3	369.0	365.9	365.9	370.1	371.1
60°	381.6	374.3	364.8	354.4	346.0	338.6	335.5	336.5	336.5	338.6	343.9
62.5°	340.7	336.5	331.3	316.6	311.4	306.1	301.9	305.1	304.0	309.3	316.6
65°	303.0	298.8	291.5	284.1	277.8	272.6	271.5	272.6	274.7	279.9	288.3
67.5°	261.0	261.0	254.8	248.5	243.2	238.0	239.0	240.1	242.2	248.5	261.0
70°	226.5	222.3	216.0	211.8	207.6	205.5	203.4	207.6	213.9	218.1	227.5
72.5°	188.7	185.6	180.3	176.1	175.1	173.0	171.9	174.0	180.3	187.7	198.1
75°	148.9	149.9	146.8	143.6	143.6	140.5	142.6	142.6	148.9	156.2	164.6
77.5°	115.3	114.3	113.2	111.1	110.1	110.1	110.1	112.2	118.5	122.7	131.0
80°	81.8	82.8	79.7	80.7	79.7	80.7	80.7	84.9	88.1	93.3	99.6
82.5°	54.5	54.5	52.4	53.5	53.5	53.5	54.5	56.6	60.8	65.0	69.2
85°	30.4	31.5	29.4	31.5	31.5	31.5	32.5	33.5	36.7	37.7	41.9
87.5°	11.5	13.6	13.6	11.5	12.6	13.6	14.7	13.6	15.7	17.8	18.9
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: P1004644

CATALOG NUMBER: S125DR-B850DB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0
2.5°	1171.1	1163.7	1162.7	1164.8	1160.6	1166.9	1164.8	1166.9	1161.6	1166.9	1163.7
5°	1090.3	1088.2	1084.0	1078.8	1079.8	1080.9	1086.1	1080.9	1085.1	1086.1	1091.4
7.5°	1014.8	1010.6	1013.8	1011.7	1002.3	1000.2	1002.3	1005.4	1011.7	1015.9	1019.0
10°	954.0	951.9	947.7	944.6	939.4	936.2	940.4	936.2	944.6	951.9	951.9
12.5°	907.9	899.5	894.3	893.2	881.7	883.8	888.0	891.1	900.6	904.8	904.8
15°	859.7	853.4	851.3	847.1	842.9	847.1	845.0	848.1	852.3	856.5	858.6
17.5°	817.7	816.7	817.7	807.3	810.4	805.2	806.2	811.5	808.3	811.5	817.7
20°	780.0	782.1	779.0	774.8	774.8	768.5	775.8	773.7	774.8	781.1	790.5
22.5°	751.7	750.6	747.5	744.4	740.2	741.2	742.3	740.2	748.6	753.8	754.8
25°	721.3	719.2	718.1	715.0	710.8	715.0	714.0	715.0	717.1	725.5	719.2
27.5°	693.0	688.8	690.9	687.7	686.7	687.7	687.7	688.8	690.9	691.9	693.0
30°	668.9	664.7	663.6	661.5	660.5	661.5	663.6	661.5	669.9	668.9	668.9
32.5°	642.7	639.5	637.4	637.4	636.4	635.3	636.4	637.4	643.7	639.5	643.7
35°	617.5	615.4	615.4	613.3	612.3	612.3	612.3	616.5	614.4	617.5	617.5
37.5°	593.4	593.4	592.3	590.2	589.2	590.2	589.2	591.3	590.2	591.3	592.3
40°	568.2	566.1	565.1	565.1	561.9	558.8	561.9	561.9	563.0	566.1	567.2
42.5°	537.8	538.9	538.9	534.7	534.7	534.7	535.7	536.8	536.8	538.9	538.9
45°	511.6	509.5	509.5	509.5	507.4	508.5	510.6	510.6	510.6	510.6	508.5
47.5°	482.3	482.3	483.3	483.3	486.5	485.4	485.4	484.4	482.3	482.3	483.3
50°	455.0	458.1	459.2	459.2	460.2	461.3	461.3	459.2	458.1	455.0	455.0
52.5°	428.8	430.9	433.0	436.1	438.2	437.2	437.2	435.1	430.9	429.8	428.8
55°	400.5	403.6	407.8	411.0	414.1	415.2	415.2	411.0	406.8	401.5	401.5
57.5°	374.3	377.4	384.8	387.9	392.1	392.1	390.0	386.9	380.6	376.4	373.2
60°	348.1	353.3	358.5	364.8	370.1	371.1	368.0	363.8	356.5	351.2	347.0
62.5°	319.8	325.0	335.5	341.8	346.0	346.0	346.0	340.7	331.3	324.0	317.7
65°	292.5	297.7	307.2	315.6	318.7	321.9	318.7	313.5	306.1	297.7	291.5
67.5°	264.2	270.5	279.9	286.2	290.4	293.5	291.5	287.3	277.8	266.3	262.1
70°	232.7	235.9	249.5	255.8	262.1	264.2	262.1	255.8	246.4	233.8	229.6
72.5°	203.4	206.5	219.1	224.4	229.6	231.7	228.5	224.4	216.0	204.4	199.2
75°	169.8	175.1	181.4	189.8	196.0	198.1	195.0	191.9	181.4	174.0	169.8
77.5°	134.2	139.4	147.8	155.2	161.5	160.4	156.2	157.3	145.7	137.3	134.2
80°	101.7	105.9	112.2	118.5	121.6	121.6	120.6	116.4	112.2	105.9	100.6
82.5°	70.2	75.5	80.7	84.9	84.9	86.0	83.9	82.8	78.6	73.4	72.3
85°	41.9	43.0	47.2	47.2	51.4	49.3	48.2	51.4	47.2	44.0	43.0
87.5°	18.9	17.8	18.9	18.9	17.8	19.9	19.9	18.9	19.9	18.9	18.9
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: P1004644

CATALOG NUMBER: S125DR-B850DB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0	1235.0
2.5°	1173.1	1166.9	1174.2	1164.8	1166.9	1178.4	1177.3	1187.8	1194.1	1193.1	1198.3
5°	1095.6	1095.6	1098.7	1097.7	1108.1	1117.6	1130.2	1140.6	1152.2	1158.5	1165.8
7.5°	1019.0	1029.5	1031.6	1036.9	1049.4	1065.2	1077.7	1093.5	1110.2	1121.8	1130.2
10°	956.1	964.5	972.9	977.1	990.7	1011.7	1029.5	1054.7	1075.6	1088.2	1099.8
12.5°	900.6	910.0	914.2	933.1	942.5	956.1	981.3	1008.6	1031.6	1045.2	1054.7
15°	860.7	866.0	875.4	886.9	896.4	913.1	934.1	964.5	986.5	998.1	1030.6
17.5°	827.2	833.5	838.7	844.0	858.6	876.5	896.4	922.6	950.9	970.8	987.6
20°	792.6	795.7	802.0	810.4	820.9	837.7	855.5	882.7	907.9	923.6	945.6
22.5°	751.7	761.1	767.4	773.7	785.2	804.1	820.9	840.8	872.3	890.1	913.1
25°	727.6	731.8	736.0	743.3	751.7	768.5	787.3	808.3	833.5	852.3	872.3
27.5°	696.1	702.4	707.7	717.1	722.3	736.0	753.8	774.8	805.2	820.9	837.7
30°	669.9	676.2	680.4	684.6	691.9	706.6	723.4	740.2	768.5	788.4	805.2
32.5°	643.7	650.0	655.2	658.4	665.7	675.2	688.8	709.8	733.9	747.5	769.5
35°	620.6	620.6	626.9	631.1	637.4	645.8	658.4	674.1	699.3	717.1	737.0
37.5°	594.4	595.5	600.7	603.9	610.2	618.5	631.1	645.8	666.8	680.4	700.3
40°	567.2	570.3	572.4	577.7	585.0	588.1	600.7	617.5	638.5	651.1	667.8
42.5°	539.9	542.0	547.3	551.5	557.7	563.0	571.4	587.1	602.8	621.7	635.3
45°	509.5	514.8	517.9	525.2	528.4	533.6	542.0	554.6	573.5	585.0	600.7
47.5°	483.3	485.4	487.5	496.9	503.2	506.4	514.8	522.1	542.0	552.5	567.2
50°	455.0	455.0	458.1	462.3	469.7	476.0	483.3	491.7	507.4	517.9	532.6
52.5°	428.8	425.6	427.7	429.8	437.2	443.5	450.8	462.3	477.0	483.3	495.9
55°	400.5	395.2	398.4	401.5	403.6	412.0	420.4	427.7	439.3	448.7	460.2
57.5°	370.1	369.0	366.9	368.0	373.2	378.5	384.8	394.2	407.8	415.2	421.5
60°	342.8	336.5	334.4	336.5	339.7	342.8	351.2	359.6	371.1	378.5	385.8
62.5°	314.5	308.2	304.0	300.9	304.0	311.4	316.6	322.9	332.3	340.7	347.0
65°	287.3	277.8	273.6	271.5	270.5	275.7	279.9	288.3	296.7	299.8	307.2
67.5°	256.9	248.5	243.2	240.1	240.1	240.1	244.3	252.7	261.0	262.1	269.4
70°	226.5	217.0	211.8	207.6	205.5	207.6	212.8	213.9	221.2	223.3	227.5
72.5°	194.0	185.6	179.3	174.0	175.1	177.2	177.2	179.3	183.5	188.7	188.7
75°	163.5	152.0	148.9	144.7	142.6	142.6	142.6	146.8	149.9	154.1	153.1
77.5°	129.0	122.7	116.4	114.3	111.1	110.1	112.2	112.2	114.3	117.4	118.5
80°	99.6	92.3	88.1	86.0	81.8	80.7	81.8	81.8	84.9	83.9	84.9
82.5°	69.2	64.0	60.8	57.7	55.6	56.6	55.6	55.6	56.6	55.6	55.6
85°	39.8	38.8	36.7	35.6	34.6	32.5	34.6	33.5	32.5	31.5	33.5
87.5°	18.9	17.8	17.8	15.7	15.7	14.7	15.7	15.7	14.7	14.7	14.7
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: P1004644

CATALOG NUMBER: S125DR-B850DB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1235.0	1235.0	1235.0	1235.0
2.5°	1205.6	1216.1	1223.5	1237.1
5°	1178.4	1197.3	1215.1	1234.0
7.5°	1151.1	1173.1	1201.5	1225.6
10°	1120.7	1149.0	1182.6	1215.1
12.5°	1090.3	1123.9	1160.6	1203.6
15°	1053.6	1096.6	1139.6	1185.7
17.5°	1021.1	1065.2	1111.3	1169.0
20°	984.4	1032.7	1083.0	1141.7
22.5°	951.9	1005.4	1057.8	1119.7
25°	915.2	967.7	1025.3	1091.4
27.5°	884.8	933.1	989.7	1061.0
30°	848.1	900.6	957.2	1028.5
32.5°	813.6	863.9	923.6	993.9
35°	777.9	829.3	882.7	949.8
37.5°	744.4	788.4	841.9	905.8
40°	706.6	754.8	803.1	853.4
42.5°	672.0	716.1	761.1	801.0
45°	633.2	671.0	714.0	746.5
47.5°	597.6	631.1	664.7	689.8
50°	561.9	588.1	613.3	635.3
52.5°	520.0	549.4	563.0	576.6
55°	482.3	499.0	511.6	525.2
57.5°	445.6	452.9	459.2	471.8
60°	397.3	405.7	413.1	422.5
62.5°	355.4	359.6	361.7	371.1
65°	315.6	314.5	319.8	325.0
67.5°	272.6	271.5	276.8	278.9
70°	230.6	229.6	230.6	235.9
72.5°	190.8	190.8	191.9	194.0
75°	154.1	154.1	155.2	157.3
77.5°	116.4	118.5	117.4	121.6
80°	84.9	82.8	84.9	87.0
82.5°	55.6	57.7	57.7	55.6
85°	31.5	31.5	31.5	31.5
87.5°	13.6	13.6	14.7	15.7
90°	0.0	0.0	0.0	0.0

(END OF REPORT)