

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: P1037914

Luminaire Tested: S124RDS-B795DB2750-4F0-XX-W2A-A_4000K

Issue Date: 5/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1037914
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-31)
Test Lab: INNOVATION CENTER
Issue Date: 5/2/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S124RDS-B795DB2750-4F0-XX-W2A-A_4000K
Description: Define 4 Regressed Direct Surface with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

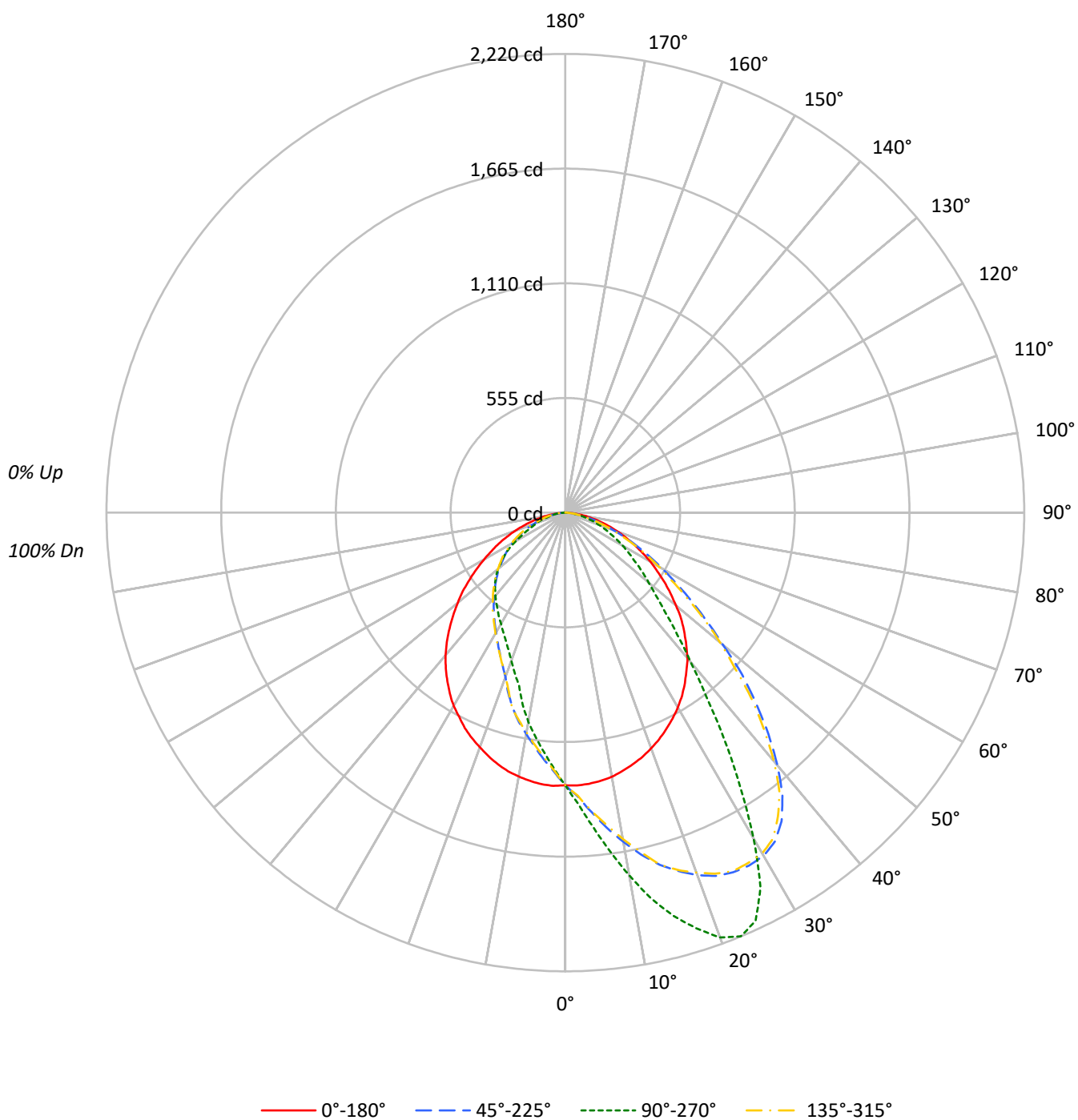
Lumens per Lamp: N/A
Luminaire Lumens: 3335.0 lumens
Efficiency: N/A
Efficacy: 92.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Direct

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	110	106	102	98	107	103	100	97	99	96	94		95	93	91		92	90	88		86
2	101	93	87	82	98	92	86	81	88	83	79		85	81	77		82	79	76		74
3	93	83	76	70	90	81	75	69	79	73	68		76	71	67		73	69	65		63
4	85	74	66	60	83	73	65	59	71	64	59		68	63	58		66	61	57		55
5	79	67	58	52	77	66	58	52	64	57	51		62	56	51		60	55	50		48
6	73	61	52	46	71	60	52	46	58	51	46		56	50	45		55	49	45		43
7	68	55	47	41	66	54	47	41	53	46	41		52	45	40		50	44	40		38
8	64	51	42	37	62	50	42	37	49	42	37		47	41	36		46	40	36		34
9	59	47	39	33	58	46	38	33	45	38	33		44	38	33		43	37	33		31
10	56	43	35	30	55	43	35	30	42	35	30		41	34	30		40	34	30		28

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10758	10758	10758	10758
5°	10782	12479	10799	9537
10°	10748	14762	10740	8512
15°	10644	17052	10644	7314
20°	10535	18985	10480	6614
25°	10397	19599	10350	6141
30°	10250	17157	10170	5856
35°	10032	13355	9905	5683
40°	9789	10015	9596	5591
45°	9366	7908	9133	5541
50°	8860	6675	8618	5381
55°	8313	5819	8041	5094
60°	7768	5237	7421	4508
65°	7077	4615	6852	3876
70°	6464	4156	6158	3498
75°	5794	3485	5394	2981
80°	4992	2944	4541	2794
85°	4079	2489	3378	2489

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 16085 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.7	3.8
10°-20°	385.8	11.6
20°-30°	604.3	18.1
30°-40°	671.0	20.1
40°-50°	594.6	17.8
50°-60°	463.4	13.9
60°-70°	303.1	9.1
70°-80°	148.7	4.5
80°-90°	36.2	1.1
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°	1117.8	33.5
0°-40°	1788.9	53.6
0°-60°	2846.9	85.4
0°-90°	3335.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3335.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1319	1319	1319	1319	1319	
5°	1317	1524	1319	1165	1317	125
15°	1261	2020	1261	866	1261	356
25°	1156	2178	1150	682	1156	533
35°	1008	1342	995	571	1008	630
45°	812	686	792	480	812	626
55°	585	409	566	358	585	523
65°	367	239	355	201	367	366
75°	184	111	171	95	184	195
85°	44	27	36	27	44	52
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°	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3
2.5°	1321.4	1333.1	1339.5	1344.8	1355.4	1359.7	1368.2	1370.3	1378.8	1377.8	1374.6
5°	1317.2	1337.4	1352.2	1368.2	1387.3	1398.0	1409.6	1426.7	1435.2	1446.9	1454.3
7.5°	1309.7	1337.4	1361.8	1386.3	1417.1	1434.1	1449.0	1475.6	1497.9	1517.0	1538.3
10°	1298.0	1333.1	1369.3	1402.2	1444.7	1464.9	1487.3	1526.6	1557.4	1584.0	1618.0
12.5°	1280.0	1328.9	1369.3	1413.9	1468.1	1495.8	1525.5	1572.3	1608.4	1652.0	1694.6
15°	1260.8	1315.0	1368.2	1426.7	1488.3	1520.2	1550.0	1612.7	1668.0	1717.9	1764.7
17.5°	1239.6	1299.1	1357.6	1422.4	1496.8	1536.2	1571.2	1646.7	1707.3	1772.2	1818.9
20°	1214.0	1278.9	1345.9	1418.2	1502.1	1545.7	1585.1	1671.2	1738.1	1808.3	1866.8
22.5°	1186.4	1256.6	1329.9	1408.6	1495.8	1543.6	1589.3	1681.8	1759.4	1824.3	1902.9
25°	1155.6	1230.0	1305.5	1388.4	1486.2	1538.3	1585.1	1676.5	1759.4	1844.4	1921.0
27.5°	1123.7	1200.2	1278.9	1366.1	1466.0	1517.0	1570.2	1658.4	1755.1	1847.6	1925.2
30°	1088.6	1163.0	1245.9	1328.9	1435.2	1486.2	1540.4	1636.1	1741.3	1833.8	1917.8
32.5°	1050.3	1126.9	1205.5	1291.6	1395.8	1451.1	1501.1	1609.5	1716.9	1808.3	1887.0
35°	1007.8	1080.1	1154.5	1242.7	1345.9	1395.8	1455.4	1568.0	1676.5	1773.2	1824.3
37.5°	962.1	1031.2	1100.3	1187.5	1286.3	1346.9	1405.4	1519.1	1634.0	1698.8	1725.4
40°	919.6	980.2	1040.8	1124.7	1224.7	1287.4	1346.9	1464.9	1565.9	1615.9	1595.7
42.5°	865.3	928.1	982.3	1059.9	1160.9	1219.4	1280.0	1402.2	1484.1	1504.3	1454.3
45°	812.2	864.3	916.4	991.9	1098.2	1148.1	1213.0	1326.7	1394.8	1376.7	1303.3
47.5°	760.1	802.6	851.5	924.9	1020.6	1080.1	1140.7	1239.6	1287.4	1261.9	1159.8
50°	698.4	741.0	792.0	855.8	948.3	1005.7	1053.5	1144.9	1181.1	1118.4	995.0
52.5°	640.0	677.2	720.8	780.3	868.5	920.6	972.7	1051.4	1063.1	990.8	861.1
55°	584.7	614.5	660.2	708.0	788.8	844.1	880.2	947.2	944.0	853.7	742.0
57.5°	527.3	554.9	585.8	635.7	712.3	753.7	793.1	851.5	820.7	744.2	633.6
60°	476.3	492.2	523.0	570.9	635.7	671.9	702.7	734.6	708.0	625.1	540.0
62.5°	419.9	438.0	460.3	498.6	556.0	590.0	612.3	626.2	598.5	534.7	457.1
65°	366.8	382.7	406.1	440.1	483.7	509.2	520.9	530.5	515.6	443.3	381.6
67.5°	318.9	329.6	350.8	373.1	419.9	426.3	442.2	446.5	416.7	361.4	312.5
70°	271.1	281.7	291.3	317.9	339.1	350.8	354.0	354.0	324.2	288.1	247.7
72.5°	226.4	232.8	242.4	260.5	272.1	280.7	284.9	279.6	252.0	222.2	192.4
75°	183.9	187.1	195.6	207.3	216.9	213.7	212.6	206.2	186.0	164.8	147.8
77.5°	141.4	143.5	153.1	156.3	156.3	159.5	155.2	148.8	131.8	115.9	108.4
80°	106.3	109.5	110.6	112.7	110.6	110.6	107.4	96.7	88.2	80.8	75.5
82.5°	73.4	75.5	76.5	73.4	75.5	72.3	67.0	59.5	54.2	53.2	51.0
85°	43.6	44.6	43.6	43.6	40.4	39.3	35.1	34.0	31.9	31.9	30.8
87.5°	21.3	20.2	18.1	15.9	15.9	14.9	15.9	13.8	15.9	14.9	13.8
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°	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3
2.5°	1383.1	1394.8	1395.8	1406.5	1403.3	1398.0	1407.5	1401.1	1413.9	1409.6	1415.0
5°	1463.9	1479.8	1493.6	1502.1	1517.0	1513.8	1529.8	1524.5	1536.2	1524.5	1539.3
7.5°	1558.5	1585.1	1598.9	1621.2	1627.6	1628.6	1647.8	1652.0	1659.5	1652.0	1660.5
10°	1651.0	1682.9	1714.8	1732.8	1744.5	1760.5	1777.5	1784.9	1790.2	1782.8	1788.1
12.5°	1735.0	1784.9	1820.0	1856.1	1864.6	1878.5	1896.5	1894.4	1915.7	1911.4	1921.0
15°	1812.6	1867.8	1910.4	1939.1	1962.5	1974.1	2008.2	2010.3	2009.2	2019.9	2013.5
17.5°	1881.7	1928.4	1989.0	2026.2	2054.9	2054.9	2074.1	2113.4	2110.2	2109.2	2115.5
20°	1938.0	1991.2	2047.5	2110.2	2133.6	2137.9	2164.4	2184.6	2187.8	2187.8	2187.8
22.5°	1980.5	2043.2	2103.8	2148.5	2166.6	2181.4	2204.8	2217.6	2221.8	2219.7	2221.8
25°	2001.8	2061.3	2123.0	2163.4	2174.0	2182.5	2184.6	2192.1	2191.0	2178.3	2185.7
27.5°	2006.0	2063.4	2103.8	2114.5	2109.2	2103.8	2069.8	2073.0	2063.4	2044.3	2051.8
30°	1986.9	2017.7	2016.7	1983.7	1974.1	1951.8	1921.0	1875.3	1838.1	1822.1	1827.4
32.5°	1917.8	1917.8	1879.5	1805.1	1772.2	1731.8	1676.5	1635.0	1586.1	1575.5	1595.7
35°	1822.1	1767.9	1697.7	1599.9	1550.0	1520.2	1424.5	1394.8	1353.3	1341.6	1351.2
37.5°	1673.3	1582.9	1480.9	1389.4	1346.9	1293.8	1209.8	1167.3	1137.5	1117.3	1126.9
40°	1506.4	1396.9	1290.6	1177.9	1131.1	1087.5	1024.8	986.5	938.7	940.8	944.0
42.5°	1346.9	1218.3	1099.2	995.0	950.4	914.3	870.7	823.9	806.9	801.6	796.2
45°	1177.9	1040.8	929.1	851.5	811.1	777.1	736.7	710.1	689.9	685.7	691.0
47.5°	1018.4	902.6	796.2	724.0	691.0	674.0	642.1	617.7	604.9	594.3	600.6
50°	873.9	765.4	680.4	619.8	596.4	584.7	554.9	542.2	529.4	526.2	525.2
52.5°	754.8	662.3	588.9	540.0	522.0	515.6	493.3	475.2	464.6	467.8	469.9
55°	646.4	567.7	510.3	470.9	456.1	448.6	432.7	419.9	412.5	409.3	411.4
57.5°	550.7	482.6	441.2	409.3	397.6	394.4	377.4	373.1	367.8	364.6	364.6
60°	463.5	415.7	377.4	359.3	346.6	343.4	330.6	325.3	324.2	321.1	318.9
62.5°	390.2	350.8	324.2	305.1	299.8	298.7	290.2	283.8	280.7	278.5	278.5
65°	326.4	297.7	275.3	261.5	257.3	255.1	245.6	243.4	241.3	239.2	238.1
67.5°	272.1	246.6	230.7	221.1	215.8	216.9	211.6	207.3	207.3	206.2	205.2
70°	220.1	204.1	190.3	185.0	182.9	180.7	178.6	175.4	174.3	174.3	174.3
72.5°	173.3	162.7	155.2	152.0	149.9	147.8	145.6	145.6	145.6	144.6	144.6
75°	132.9	128.6	123.3	120.1	120.1	122.3	119.1	115.9	112.7	110.6	111.6
77.5°	99.9	97.8	94.6	89.3	90.4	88.2	88.2	86.1	87.2	87.2	85.0
80°	73.4	70.2	69.1	65.9	67.0	65.9	64.8	64.8	62.7	62.7	62.7
82.5°	51.0	47.8	47.8	46.8	45.7	45.7	44.6	44.6	45.7	43.6	43.6
85°	30.8	29.8	29.8	27.6	27.6	27.6	27.6	28.7	27.6	26.6	26.6
87.5°	13.8	14.9	13.8	12.8	12.8	12.8	11.7	11.7	10.6	11.7	11.7
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°	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3
2.5°	1418.2	1410.7	1409.6	1409.6	1398.0	1404.3	1391.6	1377.8	1371.4	1371.4	1359.7
5°	1536.2	1528.7	1521.3	1509.6	1509.6	1503.2	1483.0	1462.8	1447.9	1435.2	1421.3
7.5°	1657.3	1649.9	1628.6	1616.9	1623.3	1610.6	1584.0	1550.0	1524.5	1504.3	1475.6
10°	1789.2	1769.0	1758.3	1752.0	1729.6	1715.8	1685.0	1635.0	1603.1	1576.6	1539.3
12.5°	1896.5	1902.9	1862.5	1865.7	1843.4	1824.3	1776.4	1728.6	1680.7	1643.5	1588.2
15°	2012.4	1993.3	1968.8	1949.7	1942.3	1918.9	1878.5	1814.7	1762.6	1704.1	1641.4
17.5°	2103.8	2089.0	2065.6	2047.5	2031.6	1975.2	1941.2	1884.8	1813.6	1756.2	1679.7
20°	2181.4	2167.6	2134.7	2123.0	2094.3	2053.9	2005.0	1917.8	1854.0	1791.3	1716.9
22.5°	2214.4	2200.6	2171.9	2157.0	2138.9	2099.6	2052.8	1969.9	1891.2	1812.6	1733.9
25°	2186.8	2186.8	2172.9	2167.6	2151.7	2116.6	2068.8	1998.6	1914.6	1829.6	1736.0
27.5°	2052.8	2079.4	2089.0	2094.3	2094.3	2095.3	2062.4	1994.3	1912.5	1829.6	1731.8
30°	1859.3	1904.0	1943.3	1955.0	1975.2	1997.5	2011.4	1978.4	1905.0	1817.9	1720.1
32.5°	1615.9	1673.3	1746.6	1764.7	1792.4	1859.3	1896.5	1910.4	1870.0	1793.4	1689.2
35°	1373.5	1445.8	1490.4	1545.7	1571.2	1670.1	1753.0	1803.0	1793.4	1747.7	1653.1
37.5°	1161.9	1203.4	1257.6	1316.1	1367.1	1461.7	1564.9	1661.6	1700.9	1678.6	1607.4
40°	958.9	1007.8	1072.7	1120.5	1155.6	1250.2	1377.8	1483.0	1569.1	1582.9	1539.3
42.5°	815.4	864.3	903.6	955.7	983.4	1074.8	1187.5	1319.3	1421.3	1475.6	1456.4
45°	704.8	734.6	766.5	796.2	830.3	911.1	1015.2	1159.8	1274.6	1351.2	1358.6
47.5°	608.1	634.7	662.3	689.9	709.1	771.8	867.5	985.5	1110.9	1216.2	1257.6
50°	540.0	552.8	573.0	588.9	611.3	665.5	742.0	844.1	977.0	1090.7	1144.9
52.5°	473.1	489.0	505.0	518.8	533.7	571.9	642.1	730.3	845.2	962.1	1029.1
55°	416.7	429.5	444.4	453.9	462.4	496.5	549.6	617.7	716.5	827.1	910.0
57.5°	371.0	376.3	389.1	394.4	404.0	431.6	469.9	530.5	610.2	717.6	785.6
60°	321.1	331.7	341.2	345.5	352.9	372.1	398.7	455.0	524.1	602.8	680.4
62.5°	280.7	284.9	292.3	297.7	303.0	323.2	345.5	388.0	440.1	506.0	577.3
65°	243.4	245.6	249.8	257.3	260.5	275.3	288.1	318.9	367.8	417.8	489.0
67.5°	205.2	207.3	212.6	216.9	220.1	229.6	243.4	265.8	292.3	347.6	387.0
70°	175.4	175.4	178.6	180.7	183.9	188.2	195.6	212.6	237.1	272.1	308.3
72.5°	146.7	146.7	146.7	149.9	149.9	153.1	157.3	169.0	186.0	213.7	237.1
75°	113.7	114.8	116.9	116.9	118.0	122.3	125.4	128.6	137.1	155.2	176.5
77.5°	86.1	88.2	89.3	87.2	89.3	89.3	93.6	97.8	102.1	107.4	123.3
80°	63.8	64.8	62.7	63.8	63.8	65.9	68.0	67.0	69.1	75.5	79.7
82.5°	42.5	43.6	43.6	43.6	43.6	46.8	46.8	45.7	46.8	47.8	48.9
85°	26.6	25.5	25.5	26.6	25.5	25.5	26.6	27.6	26.6	27.6	28.7
87.5°	11.7	11.7	11.7	11.7	10.6	10.6	11.7	10.6	11.7	10.6	9.6
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: P1037914

CATALOG NUMBER: S124RDS-B795DB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3
2.5°	1353.3	1348.0	1344.8	1343.7	1334.2	1328.9	1325.7	1323.5	1320.3	1311.8	1304.4
5°	1404.3	1389.4	1382.0	1373.5	1358.6	1341.6	1327.8	1319.3	1308.7	1291.6	1275.7
7.5°	1452.2	1429.8	1415.0	1403.3	1377.8	1350.1	1327.8	1309.7	1289.5	1266.1	1243.8
10°	1502.1	1466.0	1446.9	1428.8	1391.6	1355.4	1323.5	1297.0	1268.3	1237.4	1213.0
12.5°	1541.5	1493.6	1472.4	1446.9	1401.1	1358.6	1318.2	1282.1	1244.9	1211.9	1176.8
15°	1587.2	1527.7	1503.2	1470.2	1407.5	1352.2	1300.2	1260.8	1222.5	1173.6	1136.4
17.5°	1613.8	1544.7	1509.6	1480.9	1412.8	1345.9	1285.3	1236.4	1191.7	1142.8	1103.5
20°	1640.3	1561.7	1522.3	1481.9	1401.1	1329.9	1266.1	1207.7	1160.9	1107.7	1067.3
22.5°	1648.8	1557.4	1516.0	1478.7	1393.7	1314.0	1240.6	1181.1	1126.9	1073.7	1028.0
25°	1648.8	1556.4	1507.5	1459.6	1370.3	1288.5	1215.1	1150.3	1089.7	1036.5	990.8
27.5°	1631.8	1535.1	1484.1	1440.5	1348.0	1259.8	1184.3	1113.0	1054.6	1001.4	949.3
30°	1610.6	1504.3	1453.2	1401.1	1311.8	1227.9	1146.0	1080.1	1018.4	957.8	911.1
32.5°	1584.0	1471.3	1415.0	1361.8	1267.2	1180.0	1104.5	1039.7	981.2	918.5	866.4
35°	1545.7	1422.4	1359.7	1312.9	1221.5	1131.1	1058.8	995.0	938.7	873.9	817.5
37.5°	1496.8	1377.8	1314.0	1256.6	1161.9	1079.0	1011.0	949.3	894.1	834.5	771.8
40°	1439.4	1315.0	1259.8	1199.2	1099.2	1020.6	956.8	901.5	846.2	789.9	729.3
42.5°	1374.6	1251.2	1189.6	1131.1	1035.4	957.8	898.3	848.3	797.3	745.2	680.4
45°	1297.0	1181.1	1121.6	1066.3	973.8	894.1	839.8	792.0	748.4	695.3	637.8
47.5°	1209.8	1108.8	1048.2	988.7	898.3	829.2	776.1	735.7	698.4	645.3	593.2
50°	1124.7	1024.8	975.9	915.3	832.4	767.5	713.3	679.3	650.6	598.5	551.7
52.5°	1017.4	941.9	895.1	843.0	763.3	697.4	654.9	625.1	591.1	550.7	509.2
55°	922.8	852.6	815.4	766.5	687.8	629.3	593.2	565.6	539.0	502.8	469.9
57.5°	815.4	771.8	734.6	692.1	614.5	564.5	532.6	509.2	484.8	455.0	428.4
60°	702.7	682.5	646.4	612.3	546.4	502.8	476.3	455.0	431.6	407.2	384.8
62.5°	602.8	591.1	569.8	543.2	481.6	444.4	417.8	401.8	384.8	362.5	341.2
65°	508.2	502.8	482.6	463.5	421.0	388.0	364.6	355.1	335.9	318.9	299.8
67.5°	424.2	417.8	406.1	397.6	361.4	330.6	318.9	306.2	290.2	277.5	261.5
70°	339.1	338.1	330.6	320.0	300.9	278.5	266.8	258.3	242.4	232.8	221.1
72.5°	263.6	269.0	262.6	258.3	245.6	229.6	219.0	213.7	200.9	193.5	185.0
75°	196.7	200.9	204.1	196.7	193.5	186.0	176.5	171.2	164.8	154.1	151.0
77.5°	133.9	143.5	143.5	145.6	146.7	142.5	135.0	130.8	123.3	121.2	116.9
80°	88.2	96.7	97.8	99.9	103.1	103.1	97.8	96.7	89.3	88.2	85.0
82.5°	51.0	58.5	62.7	65.9	64.8	69.1	64.8	63.8	59.5	59.5	57.4
85°	27.6	28.7	30.8	33.0	35.1	37.2	37.2	36.1	35.1	34.0	31.9
87.5°	10.6	10.6	11.7	10.6	11.7	13.8	14.9	14.9	13.8	12.8	10.6
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: P1037914

CATALOG NUMBER: S124RDS-B795DB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3
2.5°	1298.0	1295.9	1293.8	1285.3	1277.8	1265.1	1254.4	1250.2	1249.1	1250.2	1247.0
5°	1260.8	1259.8	1252.3	1237.4	1223.6	1208.7	1198.1	1187.5	1181.1	1181.1	1173.6
7.5°	1225.7	1218.3	1211.9	1192.8	1176.8	1156.6	1140.7	1131.1	1125.8	1114.1	1114.1
10°	1188.5	1177.9	1169.4	1151.3	1127.9	1107.7	1087.5	1075.8	1066.3	1057.8	1054.6
12.5°	1151.3	1142.8	1126.9	1107.7	1084.3	1058.8	1037.6	1029.1	1006.7	988.7	989.7
15°	1116.2	1097.1	1089.7	1062.0	1034.4	1009.9	979.1	954.6	936.6	924.9	910.0
17.5°	1076.9	1057.8	1043.9	1020.6	984.4	946.1	916.4	883.4	865.3	845.2	835.6
20°	1033.3	1017.4	1006.7	969.5	925.9	880.2	847.3	827.1	806.9	792.0	783.5
22.5°	996.1	975.9	963.2	913.2	865.3	819.6	794.1	777.1	760.1	747.3	743.1
25°	948.3	936.6	905.7	862.2	803.7	772.9	750.5	728.2	718.6	710.1	700.6
27.5°	908.9	880.2	859.0	801.6	765.4	730.3	708.0	691.0	679.3	670.8	663.4
30°	860.0	833.5	803.7	755.9	722.9	689.9	669.7	655.9	643.2	637.8	631.5
32.5°	809.0	784.6	755.9	717.6	677.2	651.7	635.7	620.8	612.3	607.0	599.6
35°	763.3	732.5	713.3	677.2	644.2	615.5	600.6	587.9	578.3	576.2	575.1
37.5°	714.4	691.0	672.9	635.7	608.1	583.6	569.8	556.0	550.7	549.6	545.4
40°	671.9	651.7	634.7	599.6	569.8	547.5	536.9	528.4	523.0	523.0	522.0
42.5°	634.7	613.4	596.4	564.5	537.9	517.7	506.0	497.5	495.4	496.5	495.4
45°	593.2	575.1	558.1	525.2	502.8	488.0	475.2	470.9	467.8	468.8	469.9
47.5°	553.9	539.0	522.0	495.4	469.9	453.9	446.5	442.2	442.2	442.2	444.4
50°	518.8	501.8	486.9	459.3	435.9	423.1	416.7	411.4	412.5	413.5	414.6
52.5°	477.3	462.4	451.8	424.2	407.2	391.2	383.8	384.8	383.8	383.8	385.9
55°	441.2	426.3	415.7	390.2	373.1	362.5	356.1	352.9	354.0	351.9	356.1
57.5°	400.8	388.0	380.6	356.1	341.2	331.7	326.4	321.1	323.2	322.1	321.1
60°	365.7	350.8	339.1	322.1	309.4	297.7	294.5	289.2	291.3	289.2	288.1
62.5°	325.3	313.6	305.1	288.1	277.5	267.9	260.5	257.3	256.2	253.0	249.8
65°	284.9	278.5	270.0	253.0	242.4	234.9	230.7	227.5	226.4	217.9	208.4
67.5°	247.7	243.4	234.9	222.2	212.6	205.2	198.8	193.5	187.1	180.7	175.4
70°	212.6	206.2	200.9	189.2	180.7	173.3	166.9	160.5	157.3	151.0	148.8
72.5°	178.6	172.2	166.9	156.3	148.8	141.4	139.3	131.8	128.6	127.6	127.6
75°	143.5	138.2	135.0	125.4	119.1	113.7	110.6	108.4	106.3	104.2	101.0
77.5°	109.5	106.3	104.2	97.8	92.5	89.3	88.2	80.8	78.7	76.5	74.4
80°	79.7	78.7	76.5	71.2	69.1	61.7	61.7	59.5	58.5	58.5	58.5
82.5°	54.2	52.1	51.0	45.7	44.6	43.6	42.5	41.5	42.5	41.5	42.5
85°	28.7	27.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	25.5	26.6
87.5°	10.6	10.6	10.6	10.6	9.6	10.6	10.6	9.6	10.6	10.6	10.6
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: P1037914

CATALOG NUMBER: S124RDS-B795DB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3
2.5°	1247.0	1251.2	1245.9	1249.1	1241.7	1240.6	1241.7	1241.7	1242.7	1243.8	1244.9
5°	1176.8	1175.8	1169.4	1165.1	1161.9	1165.1	1167.3	1169.4	1167.3	1169.4	1170.5
7.5°	1110.9	1107.7	1104.5	1097.1	1099.2	1097.1	1103.5	1100.3	1100.3	1105.6	1109.9
10°	1052.5	1046.1	1043.9	1035.4	1029.1	1028.0	1035.4	1038.6	1041.8	1043.9	1052.5
12.5°	977.0	967.4	960.0	963.2	945.1	952.5	954.6	950.4	963.2	978.0	969.5
15°	896.2	897.2	882.4	877.0	862.2	866.4	867.5	878.1	888.7	887.7	900.4
17.5°	836.6	830.3	817.5	816.4	810.1	813.3	812.2	820.7	817.5	822.8	833.5
20°	781.4	777.1	766.5	762.2	764.4	762.2	763.3	764.4	767.5	779.2	777.1
22.5°	737.8	732.5	732.5	727.1	720.8	718.6	724.0	727.1	731.4	733.5	738.8
25°	699.5	695.3	689.9	686.8	681.4	682.5	685.7	689.9	693.1	697.4	701.6
27.5°	660.2	660.2	654.9	653.8	651.7	650.6	654.9	657.0	657.0	660.2	664.4
30°	629.3	629.3	624.0	623.0	621.9	621.9	625.1	626.2	627.2	630.4	632.5
32.5°	599.6	598.5	596.4	597.5	596.4	597.5	597.5	598.5	600.6	601.7	606.0
35°	571.9	573.0	570.9	570.9	569.8	570.9	573.0	574.1	575.1	577.3	577.3
37.5°	545.4	547.5	546.4	549.6	549.6	549.6	549.6	551.7	551.7	551.7	550.7
40°	522.0	522.0	520.9	523.0	525.2	525.2	526.2	526.2	527.3	527.3	526.2
42.5°	495.4	497.5	500.7	501.8	503.9	502.8	506.0	505.0	506.0	503.9	501.8
45°	470.9	470.9	475.2	479.5	480.5	480.5	480.5	482.6	480.5	477.3	476.3
47.5°	444.4	446.5	448.6	453.9	455.0	455.0	455.0	455.0	452.9	452.9	452.9
50°	417.8	418.9	419.9	422.0	425.2	424.2	424.2	424.2	428.4	424.2	425.2
52.5°	385.9	387.0	388.0	392.3	391.2	391.2	392.3	392.3	395.5	394.4	392.3
55°	354.0	354.0	356.1	356.1	356.1	358.3	359.3	361.4	360.4	361.4	362.5
57.5°	322.1	320.0	318.9	318.9	322.1	321.1	322.1	322.1	326.4	328.5	329.6
60°	284.9	284.9	283.8	277.5	277.5	276.4	279.6	281.7	283.8	293.4	292.3
62.5°	246.6	242.4	238.1	239.2	232.8	236.0	233.9	236.0	242.4	249.8	250.9
65°	208.4	205.2	200.9	199.9	197.7	200.9	199.9	200.9	204.1	208.4	213.7
67.5°	174.3	173.3	171.2	170.1	170.1	170.1	172.2	172.2	173.3	176.5	179.7
70°	148.8	147.8	148.8	146.7	147.8	146.7	147.8	148.8	149.9	151.0	154.1
72.5°	125.4	125.4	125.4	123.3	125.4	124.4	124.4	125.4	126.5	127.6	129.7
75°	99.9	97.8	95.7	93.6	92.5	94.6	95.7	94.6	97.8	102.1	102.1
77.5°	75.5	74.4	74.4	74.4	75.5	74.4	76.5	75.5	76.5	76.5	78.7
80°	58.5	57.4	58.5	58.5	57.4	59.5	58.5	58.5	59.5	60.6	59.5
82.5°	42.5	43.6	42.5	42.5	42.5	44.6	42.5	42.5	42.5	43.6	43.6
85°	26.6	26.6	26.6	26.6	27.6	26.6	27.6	26.6	28.7	27.6	27.6
87.5°	9.6	10.6	11.7	11.7	11.7	11.7	10.6	11.7	12.8	11.7	12.8
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: P1037914

CATALOG NUMBER: S124RDS-B795DB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3
2.5°	1249.1	1254.4	1252.3	1244.9	1248.1	1254.4	1260.8	1269.3	1274.6	1278.9	1281.0
5°	1175.8	1185.3	1183.2	1183.2	1187.5	1198.1	1208.7	1226.8	1233.2	1240.6	1251.2
7.5°	1110.9	1118.4	1124.7	1126.9	1133.2	1147.1	1160.9	1181.1	1197.0	1205.5	1211.9
10°	1053.5	1058.8	1068.4	1073.7	1080.1	1097.1	1117.3	1138.6	1154.5	1169.4	1177.9
12.5°	980.2	1001.4	1014.2	1022.7	1031.2	1056.7	1072.7	1096.0	1115.2	1129.0	1141.8
15°	898.3	923.8	931.3	964.2	985.5	1005.7	1030.1	1057.8	1075.8	1091.8	1108.8
17.5°	829.2	847.3	855.8	890.9	908.9	940.8	975.9	1011.0	1038.6	1050.3	1067.3
20°	785.6	795.2	812.2	823.9	843.0	880.2	918.5	961.0	1002.5	1014.2	1031.2
22.5°	741.0	753.7	765.4	781.4	796.2	821.8	860.0	906.8	951.5	972.7	992.9
25°	700.6	713.3	720.8	737.8	751.6	777.1	803.7	851.5	904.7	922.8	954.6
27.5°	668.7	676.1	688.9	696.3	712.3	735.7	760.1	796.2	848.3	879.2	910.0
30°	636.8	642.1	652.7	663.4	675.1	691.0	718.6	753.7	801.6	828.1	859.0
32.5°	604.9	613.4	619.8	627.2	640.0	659.1	678.2	712.3	750.5	780.3	811.1
35°	578.3	581.5	590.0	598.5	607.0	624.0	644.2	677.2	711.2	734.6	762.2
37.5°	549.6	554.9	561.3	564.5	578.3	588.9	610.2	635.7	676.1	691.0	718.6
40°	527.3	526.2	532.6	537.9	544.3	561.3	574.1	601.7	633.6	657.0	674.0
42.5°	499.6	499.6	501.8	508.2	516.7	527.3	542.2	565.6	598.5	615.5	635.7
45°	477.3	474.1	475.2	479.5	484.8	495.4	510.3	530.5	563.4	577.3	598.5
47.5°	450.7	447.6	447.6	451.8	456.1	463.5	475.2	498.6	525.2	543.2	559.2
50°	421.0	422.0	421.0	424.2	426.3	433.7	446.5	465.6	490.1	505.0	523.0
52.5°	393.3	391.2	390.2	392.3	396.5	401.8	415.7	432.7	456.1	470.9	486.9
55°	359.3	361.4	361.4	361.4	367.8	370.0	380.6	397.6	421.0	432.7	447.6
57.5°	328.5	327.4	329.6	328.5	333.8	341.2	349.8	362.5	385.9	397.6	411.4
60°	294.5	295.5	296.6	296.6	300.9	308.3	317.9	329.6	348.7	360.4	373.1
62.5°	253.0	258.3	263.6	265.8	272.1	277.5	283.8	296.6	313.6	322.1	333.8
65°	213.7	221.1	228.6	233.9	238.1	243.4	252.0	263.6	277.5	286.0	297.7
67.5°	179.7	185.0	194.5	199.9	208.4	214.7	220.1	229.6	246.6	249.8	259.4
70°	155.2	157.3	161.6	165.8	175.4	180.7	187.1	196.7	209.4	216.9	222.2
72.5°	130.8	131.8	133.9	138.2	142.5	148.8	156.3	164.8	176.5	179.7	187.1
75°	104.2	110.6	110.6	113.7	116.9	120.1	126.5	135.0	142.5	147.8	152.0
77.5°	77.6	80.8	82.9	88.2	92.5	95.7	99.9	106.3	110.6	114.8	118.0
80°	60.6	61.7	62.7	62.7	64.8	69.1	73.4	77.6	82.9	85.0	88.2
82.5°	44.6	44.6	44.6	46.8	47.8	48.9	48.9	51.0	56.3	58.5	61.7
85°	28.7	28.7	28.7	28.7	29.8	30.8	31.9	33.0	33.0	33.0	35.1
87.5°	11.7	13.8	12.8	13.8	13.8	13.8	13.8	14.9	14.9	15.9	15.9
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: P1037914

CATALOG NUMBER: S124RDS-B795DB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1319.3	1319.3	1319.3	1319.3
2.5°	1289.5	1295.9	1306.5	1321.4
5°	1259.8	1277.8	1294.8	1317.2
7.5°	1233.2	1254.4	1277.8	1309.7
10°	1202.3	1228.9	1258.7	1298.0
12.5°	1166.2	1203.4	1237.4	1280.0
15°	1139.6	1167.3	1210.9	1260.8
17.5°	1102.4	1139.6	1183.2	1239.6
20°	1067.3	1106.7	1155.6	1214.0
22.5°	1030.1	1074.8	1123.7	1186.4
25°	991.9	1039.7	1088.6	1155.6
27.5°	956.8	1000.4	1055.6	1123.7
30°	914.3	964.2	1017.4	1088.6
32.5°	872.8	924.9	979.1	1050.3
35°	828.1	880.2	939.8	1007.8
37.5°	784.6	842.0	896.2	962.1
40°	736.7	796.2	852.6	919.6
42.5°	689.9	751.6	807.9	865.3
45°	646.4	707.0	758.0	812.2
47.5°	604.9	659.1	711.2	760.1
50°	564.5	610.2	658.0	698.4
52.5°	522.0	565.6	603.8	640.0
55°	483.7	517.7	551.7	584.7
57.5°	438.0	472.0	501.8	527.3
60°	399.7	421.0	449.7	476.3
62.5°	356.1	380.6	402.9	419.9
65°	313.6	334.9	351.9	366.8
67.5°	277.5	290.2	303.0	318.9
70°	233.9	244.5	259.4	271.1
72.5°	196.7	205.2	212.6	226.4
75°	159.5	166.9	171.2	183.9
77.5°	123.3	130.8	133.9	141.4
80°	94.6	95.7	99.9	106.3
82.5°	64.8	67.0	68.0	73.4
85°	37.2	42.5	41.5	43.6
87.5°	15.9	17.0	19.1	21.3
90°	0.0	0.0	0.0	0.0

(END OF REPORT)