

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: P1004522

Luminaire Tested: S125DR-B1090DB2750-4F0-XX-W2A-A_2700K

Issue Date: 5/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1004522
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-B1090DB2750-4F0-XX-W2A-A_2700K
Description: Define 5 Direct Recessed with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

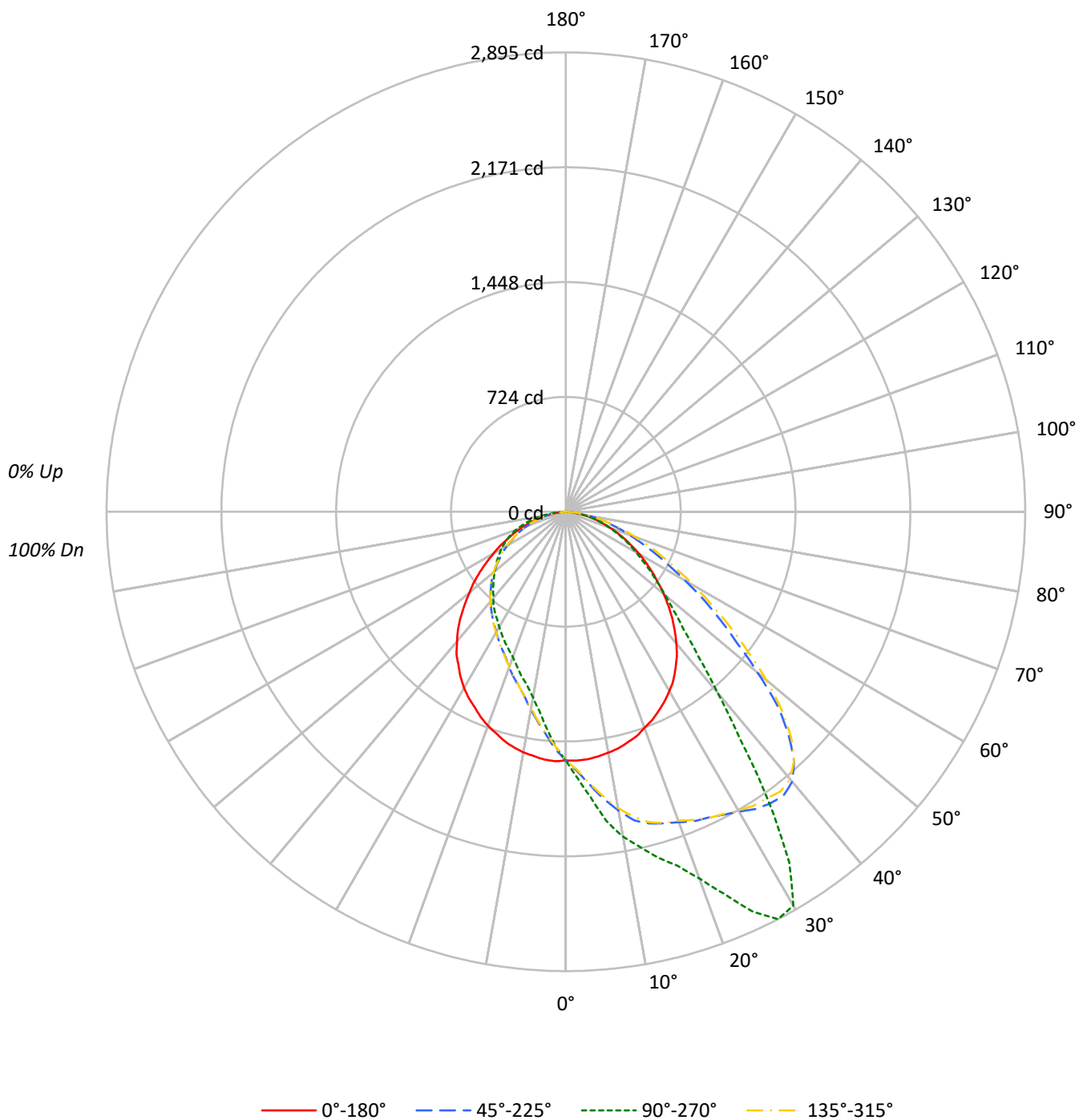
Lumens per Lamp: N/A
Luminaire Lumens: 4422.0 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 46.8
Input Voltage (V): 120
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

TEST NUMBER: P1004522

CATALOG NUMBER: S125DR-B1090DB2750-4F0-XX-W2A-A_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1004522

CATALOG NUMBER: S125DR-B1090DB2750-4F0-XX-W2A-A_2700K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	10041	10041	10041	10041
5°	10070	11627	10079	8821
10°	10031	13527	10013	7728
15°	9980	14974	9918	7130
20°	9878	16761	9787	6649
25°	9790	19636	9611	6413
30°	9655	21209	9488	6210
35°	9427	17438	9229	6077
40°	9056	12394	8923	5930
45°	8582	9522	8486	5846
50°	8035	8129	7902	5834
55°	7445	7236	7385	5885
60°	6870	6529	6751	6034
65°	6252	6029	6151	6192
70°	5607	5483	5532	6279
75°	4939	4840	4874	6223
80°	4073	4073	3926	5693
85°	2933	3227	2838	4595

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 18189 cd/sqm

TEST NUMBER: P1004522

CATALOG NUMBER: S125DR-B1090DB2750-4F0-XX-W2A-A_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.8	3.4
10°-20°	449.2	10.2
20°-30°	729.7	16.5
30°-40°	891.8	20.2
40°-50°	809.0	18.3
50°-60°	644.3	14.6
60°-70°	448.8	10.1
70°-80°	239.1	5.4
80°-90°	59.3	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°	1329.8	30.1
0°-40°	2221.6	50.2
0°-60°	3674.9	83.1
0°-90°	4422.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4422.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1567	1567	1567	1567	1567	
5°	1566	1808	1567	1372	1566	149
15°	1504	2258	1495	1075	1504	425
25°	1385	2778	1360	907	1385	638
35°	1205	2230	1180	777	1205	753
45°	947	1051	936	645	947	730
55°	666	648	661	527	666	596
65°	412	398	406	408	412	409
75°	200	196	197	251	200	212
85°	40	44	39	62	40	50
90°	0	0	0	0	0	

TEST NUMBER: P1004522

CATALOG NUMBER: S125DR-B1090DB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1
2.5°	1569.7	1579.0	1589.7	1597.7	1611.0	1614.9	1621.6	1625.6	1629.6	1633.6	1636.2
5°	1565.7	1588.3	1608.3	1622.9	1648.2	1657.5	1669.5	1684.1	1701.4	1716.0	1725.4
7.5°	1555.1	1591.0	1617.6	1646.9	1681.5	1704.1	1716.0	1746.6	1774.6	1795.9	1823.8
10°	1541.8	1584.3	1625.6	1669.5	1718.7	1744.0	1767.9	1810.5	1849.1	1883.7	1911.6
12.5°	1527.1	1579.0	1628.2	1685.4	1752.0	1782.6	1798.5	1871.7	1919.6	1938.2	1992.7
15°	1504.5	1565.7	1636.2	1706.7	1762.6	1798.5	1842.4	1901.0	1948.8	1990.1	2034.0
17.5°	1483.2	1549.8	1621.6	1700.1	1781.2	1827.8	1861.0	1912.9	1964.8	2018.0	2059.3
20°	1448.7	1535.1	1608.3	1692.1	1787.9	1821.1	1855.7	1916.9	1972.8	2030.0	2081.9
22.5°	1420.7	1503.2	1603.0	1682.8	1763.9	1797.2	1839.8	1903.6	1970.1	2035.3	2111.1
25°	1384.8	1476.6	1563.1	1648.2	1732.0	1767.9	1806.5	1889.0	1958.2	2042.0	2125.8
27.5°	1346.2	1440.7	1527.1	1604.3	1682.8	1732.0	1773.2	1859.7	1951.5	2043.3	2152.4
30°	1305.0	1394.1	1476.6	1552.4	1638.9	1689.4	1730.7	1831.8	1934.2	2051.3	2181.6
32.5°	1261.1	1344.9	1415.4	1492.6	1584.3	1630.9	1686.8	1797.2	1918.2	2057.9	2221.5
35°	1205.2	1285.0	1347.6	1426.0	1517.8	1577.7	1636.2	1759.9	1901.0	2056.6	2244.2
37.5°	1149.4	1211.9	1271.7	1355.5	1462.0	1516.5	1577.7	1713.4	1874.3	2052.6	2253.5
40°	1082.8	1144.0	1195.9	1281.0	1392.8	1455.3	1519.2	1661.5	1843.7	2038.0	2220.2
42.5°	1016.3	1068.2	1125.4	1214.5	1322.3	1388.8	1456.6	1614.9	1803.8	1995.4	2128.4
45°	947.1	987.1	1049.6	1130.7	1245.1	1309.0	1386.1	1557.7	1748.0	1918.2	1984.8
47.5°	875.3	915.2	973.8	1052.2	1165.3	1241.1	1314.3	1485.9	1677.5	1809.2	1809.2
50°	806.1	838.1	895.3	973.8	1088.2	1157.3	1231.8	1414.1	1568.4	1665.5	1579.0
52.5°	731.6	767.6	815.5	897.9	1011.0	1073.5	1154.7	1310.3	1456.6	1496.6	1363.5
55°	666.5	695.7	741.0	819.4	924.5	989.7	1058.9	1207.9	1331.6	1328.9	1186.6
57.5°	598.6	622.6	670.5	742.3	839.4	897.9	967.1	1096.1	1197.2	1161.3	1027.0
60°	536.1	553.4	600.0	658.5	751.6	806.1	872.7	977.7	1054.9	1004.4	868.7
62.5°	470.9	490.9	528.1	585.3	667.8	711.7	760.9	867.3	916.6	871.3	733.0
65°	412.4	428.3	461.6	509.5	584.0	623.9	666.5	754.3	800.8	735.6	621.2
67.5°	353.9	372.5	396.4	439.0	497.5	534.8	572.0	647.8	669.1	610.6	514.8
70°	299.3	315.3	337.9	368.5	417.7	451.0	478.9	541.4	556.1	501.5	425.7
72.5°	246.1	256.7	275.4	300.6	345.9	364.5	393.8	436.3	455.0	405.7	351.2
75°	199.5	207.5	219.5	238.1	268.7	288.7	312.6	352.5	351.2	316.6	278.0
77.5°	154.3	155.6	168.9	186.2	204.9	222.2	234.1	262.1	264.7	243.4	211.5
80°	110.4	114.4	119.7	133.0	149.0	155.6	170.3	187.6	190.2	174.3	153.0
82.5°	70.5	73.2	77.2	85.1	95.8	103.8	111.7	118.4	125.0	115.7	98.4
85°	39.9	41.2	45.2	47.9	53.2	57.2	63.9	70.5	69.2	62.5	57.2
87.5°	20.0	20.0	20.0	22.6	25.3	25.3	27.9	29.3	30.6	27.9	25.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1004522

CATALOG NUMBER: S125DR-B1090DB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1
2.5°	1638.9	1648.2	1656.2	1662.8	1668.2	1676.1	1670.8	1672.1	1674.8	1680.1	1680.1
5°	1745.3	1759.9	1767.9	1794.5	1801.2	1799.9	1795.9	1817.1	1815.8	1807.8	1806.5
7.5°	1849.1	1874.3	1897.0	1918.2	1924.9	1942.2	1946.2	1955.5	1952.8	1966.1	1959.5
10°	1943.5	1983.4	2004.7	2036.6	2044.6	2052.6	2063.2	2068.6	2080.5	2079.2	2079.2
12.5°	2016.7	2064.6	2092.5	2100.5	2131.1	2140.4	2149.7	2167.0	2163.0	2164.3	2172.3
15°	2073.9	2120.4	2144.4	2181.6	2202.9	2213.6	2229.5	2248.2	2245.5	2257.5	2254.8
17.5°	2116.5	2160.4	2204.3	2260.1	2261.5	2289.4	2326.6	2334.6	2351.9	2339.9	2339.9
20°	2151.0	2209.6	2272.1	2343.9	2351.9	2369.2	2414.4	2445.0	2465.0	2458.3	2462.3
22.5°	2188.3	2272.1	2345.3	2417.1	2455.7	2486.3	2530.2	2578.1	2595.4	2606.0	2603.3
25°	2236.2	2324.0	2431.7	2531.5	2571.4	2629.9	2688.5	2735.0	2748.3	2777.6	2751.0
27.5°	2285.4	2409.1	2543.5	2660.5	2711.1	2759.0	2829.5	2864.1	2881.4	2894.7	2885.3
30°	2326.6	2496.9	2643.2	2751.0	2786.9	2814.8	2854.8	2862.7	2856.1	2866.7	2880.0
32.5°	2390.5	2556.8	2680.5	2732.4	2728.4	2727.0	2696.5	2653.9	2644.6	2619.3	2653.9
35°	2425.1	2558.1	2606.0	2536.8	2508.9	2458.3	2361.2	2297.4	2241.5	2229.5	2232.2
37.5°	2405.1	2457.0	2399.8	2217.6	2172.3	2095.2	1966.1	1875.7	1834.4	1802.5	1843.7
40°	2297.4	2240.2	2083.2	1861.0	1795.9	1722.7	1601.6	1552.4	1493.9	1481.9	1536.5
42.5°	2119.1	1944.8	1722.7	1551.1	1483.2	1442.0	1340.9	1294.3	1253.1	1234.5	1265.1
45°	1877.0	1665.5	1442.0	1301.0	1243.8	1194.6	1134.7	1085.5	1058.9	1050.9	1076.2
47.5°	1626.9	1403.4	1225.2	1120.1	1060.2	1023.0	967.1	939.2	917.9	920.5	924.5
50°	1387.5	1183.9	1046.9	941.8	912.6	883.3	846.0	822.1	811.5	815.5	812.8
52.5°	1181.3	1016.3	900.6	819.4	806.1	778.2	747.6	727.7	723.7	725.0	729.0
55°	1000.4	871.3	779.5	721.0	706.4	686.4	667.8	654.5	643.8	647.8	646.5
57.5°	863.3	750.3	679.8	631.9	621.2	609.3	592.0	585.3	581.3	573.3	580.0
60°	742.3	650.5	589.3	560.0	550.7	542.7	524.1	516.1	513.5	509.5	520.1
62.5°	627.9	562.7	516.1	489.5	480.2	472.2	462.9	456.3	457.6	452.3	457.6
65°	537.4	484.2	451.0	427.0	415.0	409.7	408.4	397.7	396.4	397.7	399.1
67.5°	453.6	408.4	383.1	368.5	359.2	353.9	349.9	343.2	348.5	344.5	347.2
70°	377.8	347.2	320.6	306.0	302.0	303.3	296.6	294.0	295.3	292.7	295.3
72.5°	304.6	279.4	268.7	258.1	252.8	251.4	247.4	243.4	247.4	246.1	246.1
75°	243.4	224.8	212.8	206.2	206.2	203.5	196.9	196.9	196.9	195.5	196.9
77.5°	187.6	171.6	166.3	159.6	159.6	155.6	154.3	154.3	151.7	155.6	153.0
80°	139.7	127.7	119.7	115.7	115.7	114.4	111.7	110.4	111.7	110.4	110.4
82.5°	90.5	85.1	81.1	77.2	75.8	77.2	75.8	73.2	74.5	73.2	75.8
85°	51.9	46.6	46.6	43.9	45.2	42.6	43.9	41.2	39.9	43.9	41.2
87.5°	22.6	21.3	21.3	18.6	18.6	18.6	17.3	18.6	17.3	16.0	17.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1004522

CATALOG NUMBER: S125DR-B1090DB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1
2.5°	1677.5	1668.2	1670.8	1668.2	1661.5	1657.5	1646.9	1633.6	1628.2	1621.6	1617.6
5°	1811.8	1805.2	1803.8	1793.2	1790.5	1774.6	1748.0	1734.7	1718.7	1702.7	1686.8
7.5°	1958.2	1950.2	1923.6	1919.6	1922.2	1902.3	1867.7	1841.1	1807.8	1785.2	1754.6
10°	2079.2	2063.2	2040.6	2042.0	2032.6	2006.0	1971.5	1943.5	1895.6	1866.4	1822.5
12.5°	2152.4	2139.1	2136.4	2123.1	2115.1	2080.5	2039.3	2003.4	1967.5	1927.6	1894.3
15°	2241.5	2224.2	2212.2	2193.6	2188.3	2152.4	2107.1	2065.9	2024.7	1987.4	1916.9
17.5°	2339.9	2321.3	2276.1	2272.1	2240.2	2205.6	2161.7	2100.5	2056.6	2003.4	1951.5
20°	2451.7	2425.1	2366.5	2351.9	2326.6	2269.4	2209.6	2141.7	2071.2	2016.7	1955.5
22.5°	2576.7	2530.2	2487.6	2441.0	2422.4	2351.9	2269.4	2187.0	2101.8	2027.3	1954.2
25°	2739.0	2677.8	2618.0	2571.4	2539.5	2447.7	2337.3	2228.2	2129.8	2032.6	1936.9
27.5°	2866.7	2813.5	2748.3	2687.1	2645.9	2536.8	2410.4	2269.4	2147.1	2028.7	1926.2
30°	2876.0	2860.1	2820.2	2786.9	2741.7	2624.6	2484.9	2325.3	2173.7	2030.0	1904.9
32.5°	2701.8	2733.7	2751.0	2756.3	2747.0	2679.2	2551.5	2375.9	2197.6	2018.0	1886.3
35°	2326.6	2411.8	2516.9	2556.8	2595.4	2631.3	2564.8	2411.8	2205.6	2015.4	1857.1
37.5°	1915.6	1992.7	2167.0	2246.8	2292.0	2434.4	2488.9	2406.5	2221.5	2018.0	1829.1
40°	1545.8	1668.2	1793.2	1901.0	1971.5	2131.1	2300.0	2318.7	2198.9	1992.7	1793.2
42.5°	1301.0	1372.8	1467.3	1567.1	1629.6	1818.5	2047.3	2181.6	2128.4	1951.5	1749.3
45°	1108.1	1161.3	1250.5	1283.7	1363.5	1544.4	1786.5	1980.8	2007.4	1886.3	1698.8
47.5°	951.1	996.4	1053.6	1094.8	1158.7	1294.3	1499.2	1713.4	1841.1	1797.2	1628.2
50°	838.1	875.3	923.2	947.1	988.4	1110.8	1265.1	1477.9	1649.5	1664.2	1536.5
52.5°	743.6	764.9	802.2	828.8	862.0	936.5	1076.2	1251.8	1444.7	1524.5	1423.4
55°	661.1	678.4	711.7	729.0	746.3	810.1	919.2	1078.8	1259.8	1364.9	1307.7
57.5°	586.6	601.3	629.2	645.2	654.5	715.7	799.5	924.5	1086.8	1214.5	1182.6
60°	525.5	538.8	554.7	566.7	577.3	627.9	686.4	787.5	932.5	1056.2	1048.3
62.5°	460.3	472.2	489.5	501.5	510.8	542.7	592.0	669.1	792.8	907.2	929.9
65°	403.1	412.4	424.4	429.7	441.6	465.6	505.5	574.7	675.8	778.2	794.2
67.5°	351.2	353.9	361.8	373.8	376.5	397.7	433.7	485.5	564.0	647.8	673.1
70°	295.3	299.3	306.0	315.3	320.6	333.9	364.5	399.1	466.9	540.1	558.7
72.5°	246.1	251.4	254.1	259.4	262.1	283.3	296.6	331.2	377.8	439.0	458.9
75°	199.5	204.9	206.2	208.9	211.5	220.8	239.4	260.7	299.3	339.2	365.8
77.5°	158.3	157.0	159.6	163.6	162.3	170.3	182.2	200.9	226.1	259.4	276.7
80°	111.7	111.7	115.7	119.7	118.4	126.4	130.4	143.7	165.0	186.2	192.9
82.5°	74.5	74.5	78.5	78.5	81.1	82.5	87.8	94.4	111.7	122.4	126.4
85°	42.6	42.6	43.9	43.9	43.9	46.6	50.6	53.2	58.5	65.2	67.8
87.5°	17.3	18.6	18.6	18.6	18.6	21.3	21.3	23.9	25.3	27.9	27.9
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: P1004522

CATALOG NUMBER: S125DR-B1090DB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1
2.5°	1612.3	1605.6	1597.7	1597.7	1588.3	1584.3	1576.4	1573.7	1567.1	1556.4	1548.4
5°	1669.5	1652.2	1641.5	1632.2	1612.3	1597.7	1583.0	1567.1	1551.1	1532.5	1511.2
7.5°	1725.4	1693.4	1678.8	1662.8	1633.6	1603.0	1573.7	1552.4	1531.1	1501.9	1475.3
10°	1783.9	1744.0	1717.4	1696.1	1650.9	1612.3	1569.7	1539.1	1505.9	1468.6	1434.0
12.5°	1833.1	1781.2	1758.6	1718.7	1666.8	1620.3	1567.1	1520.5	1476.6	1432.7	1390.1
15°	1874.3	1825.1	1769.3	1753.3	1681.5	1614.9	1555.1	1495.2	1440.7	1396.8	1347.6
17.5°	1887.6	1825.1	1797.2	1758.6	1673.5	1604.3	1528.5	1463.3	1411.4	1346.2	1307.7
20°	1891.6	1831.8	1793.2	1757.3	1681.5	1589.7	1515.2	1435.4	1372.8	1307.7	1246.5
22.5°	1881.0	1810.5	1773.2	1738.7	1653.5	1575.0	1488.6	1400.8	1327.6	1267.7	1206.6
25°	1861.0	1778.6	1742.6	1705.4	1624.3	1537.8	1443.3	1359.5	1291.7	1219.9	1160.0
27.5°	1834.4	1740.0	1698.8	1660.2	1580.4	1499.2	1410.1	1323.6	1247.8	1172.0	1116.1
30°	1801.2	1692.1	1654.9	1604.3	1527.1	1450.0	1368.8	1282.4	1197.2	1125.4	1064.2
32.5°	1758.6	1644.2	1595.0	1547.1	1463.3	1392.8	1315.6	1234.5	1152.0	1081.5	1017.7
35°	1720.0	1589.7	1535.1	1487.2	1394.1	1319.6	1255.8	1179.9	1106.8	1033.6	976.4
37.5°	1668.2	1535.1	1469.9	1420.7	1326.3	1250.5	1190.6	1132.1	1054.9	984.4	931.2
40°	1613.6	1467.3	1406.1	1356.9	1258.4	1176.0	1118.8	1066.9	1004.4	939.2	883.3
42.5°	1564.4	1402.1	1336.9	1277.1	1177.3	1104.1	1045.6	1005.7	948.5	889.9	839.4
45°	1501.9	1332.9	1262.4	1199.9	1104.1	1024.3	968.4	936.5	893.9	836.7	792.8
47.5°	1438.0	1258.4	1185.3	1124.1	1020.3	949.8	895.3	864.7	835.4	790.2	746.3
50°	1354.2	1179.9	1113.4	1042.9	940.5	868.7	823.4	792.8	770.2	738.3	701.1
52.5°	1262.4	1098.8	1027.0	965.8	864.7	799.5	747.6	730.3	707.7	683.8	651.8
55°	1165.3	1011.0	941.8	882.0	788.8	722.3	679.8	661.1	643.8	625.2	603.9
57.5°	1068.2	919.2	854.0	800.8	714.4	650.5	615.9	590.6	578.7	568.0	550.7
60°	947.1	820.8	770.2	722.3	637.2	578.7	545.4	526.8	516.1	510.8	502.8
62.5°	840.7	737.0	681.1	634.5	566.7	514.8	482.9	468.3	458.9	456.3	447.0
65°	727.7	638.5	594.6	554.7	496.2	449.6	423.0	405.7	399.1	397.7	397.7
67.5°	621.2	549.4	505.5	477.6	427.0	385.8	360.5	353.9	349.9	344.5	343.2
70°	521.5	464.3	425.7	401.7	356.5	325.9	306.0	295.3	295.3	291.3	288.7
72.5°	433.7	376.5	351.2	331.2	294.0	267.4	252.8	250.1	240.8	239.4	239.4
75°	339.2	296.6	279.4	262.1	234.1	215.5	203.5	196.9	191.6	191.6	192.9
77.5°	255.4	226.1	210.2	196.9	176.9	165.0	155.6	153.0	147.7	147.7	147.7
80°	180.9	165.0	153.0	142.3	127.7	117.1	111.7	106.4	106.4	105.1	106.4
82.5°	117.1	103.8	97.1	95.8	82.5	78.5	71.8	73.2	69.2	67.8	70.5
85°	67.8	61.2	53.2	50.6	45.2	39.9	37.2	38.6	37.2	35.9	37.2
87.5°	26.6	22.6	21.3	21.3	17.3	16.0	14.6	16.0	13.3	13.3	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: P1004522

CATALOG NUMBER: S125DR-B1090DB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1
2.5°	1545.8	1543.1	1536.5	1532.5	1519.2	1503.2	1497.9	1484.6	1489.9	1480.6	1480.6
5°	1504.5	1492.6	1484.6	1472.6	1447.3	1430.0	1411.4	1402.1	1396.8	1390.1	1384.8
7.5°	1451.3	1442.0	1434.0	1411.4	1383.5	1359.5	1336.9	1327.6	1310.3	1298.3	1293.0
10°	1404.8	1391.5	1372.8	1346.2	1317.0	1286.4	1266.4	1246.5	1233.2	1226.5	1211.9
12.5°	1356.9	1340.9	1321.0	1282.4	1250.5	1231.8	1195.9	1177.3	1170.6	1165.3	1148.0
15°	1307.7	1290.4	1266.4	1230.5	1202.6	1158.7	1137.4	1122.7	1106.8	1105.5	1092.1
17.5°	1263.8	1242.5	1222.5	1178.6	1144.0	1105.5	1093.5	1077.5	1062.9	1046.9	1040.3
20°	1207.9	1187.9	1173.3	1125.4	1086.8	1062.9	1042.9	1029.6	1020.3	1004.4	1001.7
22.5°	1157.3	1136.0	1116.1	1080.2	1046.9	1016.3	992.4	977.7	973.8	967.1	955.1
25°	1108.1	1086.8	1062.9	1029.6	995.0	973.8	952.5	943.2	935.2	924.5	915.2
27.5°	1066.9	1046.9	1024.3	983.1	953.8	937.8	915.2	904.6	893.9	888.6	884.6
30°	1017.7	995.0	977.7	945.8	913.9	892.6	876.6	867.3	858.0	852.7	850.0
32.5°	969.8	948.5	936.5	901.9	876.6	851.4	839.4	832.7	827.4	822.1	816.8
35°	931.2	909.9	891.3	859.4	834.1	816.8	807.5	796.8	792.8	787.5	787.5
37.5°	883.3	867.3	848.7	818.1	795.5	782.2	774.2	760.9	759.6	756.9	752.9
40°	842.1	826.1	808.8	782.2	762.2	746.3	735.6	729.0	725.0	722.3	719.7
42.5°	798.2	780.9	772.9	742.3	725.0	709.0	703.7	697.1	695.7	690.4	683.8
45°	755.6	741.0	725.0	702.4	687.7	674.4	666.5	661.1	654.5	653.2	649.2
47.5°	718.3	701.1	686.4	665.1	649.2	638.5	631.9	625.2	619.9	615.9	611.9
50°	670.5	657.2	645.2	622.6	609.3	598.6	589.3	584.0	578.7	578.7	578.7
52.5°	623.9	611.9	601.3	585.3	569.4	560.0	549.4	545.4	542.7	538.8	542.7
55°	578.7	566.7	556.1	544.1	525.5	517.5	506.8	502.8	504.2	504.2	508.2
57.5°	530.8	521.5	514.8	500.2	482.9	474.9	468.3	464.3	464.3	469.6	470.9
60°	484.2	474.9	462.9	449.6	439.0	429.7	425.7	427.0	427.0	429.7	436.3
62.5°	432.3	427.0	420.4	401.7	395.1	388.4	383.1	387.1	385.8	392.4	401.7
65°	384.4	379.1	369.8	360.5	352.5	345.9	344.5	345.9	348.5	355.2	365.8
67.5°	331.2	331.2	323.3	315.3	308.6	302.0	303.3	304.6	307.3	315.3	331.2
70°	287.3	282.0	274.0	268.7	263.4	260.7	258.1	263.4	271.4	276.7	288.7
72.5°	239.4	235.5	228.8	223.5	222.2	219.5	218.2	220.8	228.8	238.1	251.4
75°	188.9	190.2	186.2	182.2	182.2	178.3	180.9	180.9	188.9	198.2	208.9
77.5°	146.3	145.0	143.7	141.0	139.7	139.7	139.7	142.3	150.3	155.6	166.3
80°	103.8	105.1	101.1	102.4	101.1	102.4	102.4	107.8	111.7	118.4	126.4
82.5°	69.2	69.2	66.5	67.8	67.8	67.8	69.2	71.8	77.2	82.5	87.8
85°	38.6	39.9	37.2	39.9	39.9	39.9	41.2	42.6	46.6	47.9	53.2
87.5°	14.6	17.3	17.3	14.6	16.0	17.3	18.6	17.3	20.0	22.6	23.9
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: P1004522

CATALOG NUMBER: S125DR-B1090DB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1
2.5°	1485.9	1476.6	1475.3	1477.9	1472.6	1480.6	1477.9	1480.6	1473.9	1480.6	1476.6
5°	1383.5	1380.8	1375.5	1368.8	1370.2	1371.5	1378.2	1371.5	1376.8	1378.2	1384.8
7.5°	1287.7	1282.4	1286.4	1283.7	1271.7	1269.1	1271.7	1275.7	1283.7	1289.0	1293.0
10°	1210.5	1207.9	1202.6	1198.6	1191.9	1187.9	1193.2	1187.9	1198.6	1207.9	1207.9
12.5°	1152.0	1141.4	1134.7	1133.4	1118.8	1121.4	1126.7	1130.7	1142.7	1148.0	1148.0
15°	1090.8	1082.8	1080.2	1074.9	1069.5	1074.9	1072.2	1076.2	1081.5	1086.8	1089.5
17.5°	1037.6	1036.3	1037.6	1024.3	1028.3	1021.6	1023.0	1029.6	1025.6	1029.6	1037.6
20°	989.7	992.4	988.4	983.1	983.1	975.1	984.4	981.7	983.1	991.0	1003.0
22.5°	953.8	952.5	948.5	944.5	939.2	940.5	941.8	939.2	949.8	956.5	957.8
25°	915.2	912.6	911.2	907.2	901.9	907.2	905.9	907.2	909.9	920.5	912.6
27.5°	879.3	874.0	876.6	872.7	871.3	872.7	872.7	874.0	876.6	878.0	879.3
30°	848.7	843.4	842.1	839.4	838.1	839.4	842.1	839.4	850.0	848.7	848.7
32.5°	815.5	811.5	808.8	808.8	807.5	806.1	807.5	808.8	816.8	811.5	816.8
35°	783.5	780.9	780.9	778.2	776.9	776.9	776.9	782.2	779.5	783.5	783.5
37.5°	752.9	752.9	751.6	748.9	747.6	748.9	747.6	750.3	748.9	750.3	751.6
40°	721.0	718.3	717.0	717.0	713.0	709.0	713.0	713.0	714.4	718.3	719.7
42.5°	682.4	683.8	683.8	678.4	678.4	678.4	679.8	681.1	681.1	683.8	683.8
45°	649.2	646.5	646.5	646.5	643.8	645.2	647.8	647.8	647.8	647.8	645.2
47.5°	611.9	611.9	613.3	613.3	617.2	615.9	615.9	614.6	611.9	611.9	613.3
50°	577.3	581.3	582.7	582.7	584.0	585.3	585.3	582.7	581.3	577.3	577.3
52.5°	544.1	546.7	549.4	553.4	556.1	554.7	554.7	552.1	546.7	545.4	544.1
55°	508.2	512.2	517.5	521.5	525.5	526.8	526.8	521.5	516.1	509.5	509.5
57.5°	474.9	478.9	488.2	492.2	497.5	497.5	494.9	490.9	482.9	477.6	473.6
60°	441.6	448.3	455.0	462.9	469.6	470.9	466.9	461.6	452.3	445.6	440.3
62.5°	405.7	412.4	425.7	433.7	439.0	439.0	439.0	432.3	420.4	411.1	403.1
65°	371.1	377.8	389.8	400.4	404.4	408.4	404.4	397.7	388.4	377.8	369.8
67.5°	335.2	343.2	355.2	363.2	368.5	372.5	369.8	364.5	352.5	337.9	332.6
70°	295.3	299.3	316.6	324.6	332.6	335.2	332.6	324.6	312.6	296.6	291.3
72.5°	258.1	262.1	278.0	284.7	291.3	294.0	290.0	284.7	274.0	259.4	252.8
75°	215.5	222.2	230.1	240.8	248.8	251.4	247.4	243.4	230.1	220.8	215.5
77.5°	170.3	176.9	187.6	196.9	204.9	203.5	198.2	199.5	184.9	174.3	170.3
80°	129.0	134.4	142.3	150.3	154.3	154.3	153.0	147.7	142.3	134.4	127.7
82.5°	89.1	95.8	102.4	107.8	107.8	109.1	106.4	105.1	99.8	93.1	91.8
85°	53.2	54.5	59.9	59.9	65.2	62.5	61.2	65.2	59.9	55.9	54.5
87.5°	23.9	22.6	23.9	23.9	22.6	25.3	25.3	23.9	25.3	23.9	23.9
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: P1004522

CATALOG NUMBER: S125DR-B1090DB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1	1567.1
2.5°	1488.6	1480.6	1489.9	1477.9	1480.6	1495.2	1493.9	1507.2	1515.2	1513.8	1520.5
5°	1390.1	1390.1	1394.1	1392.8	1406.1	1418.1	1434.0	1447.3	1462.0	1469.9	1479.3
7.5°	1293.0	1306.3	1309.0	1315.6	1331.6	1351.6	1367.5	1387.5	1408.8	1423.4	1434.0
10°	1213.2	1223.8	1234.5	1239.8	1257.1	1283.7	1306.3	1338.2	1364.9	1380.8	1395.4
12.5°	1142.7	1154.7	1160.0	1183.9	1195.9	1213.2	1245.1	1279.7	1309.0	1326.3	1338.2
15°	1092.1	1098.8	1110.8	1125.4	1137.4	1158.7	1185.3	1223.8	1251.8	1266.4	1307.7
17.5°	1049.6	1057.6	1064.2	1070.9	1089.5	1112.1	1137.4	1170.6	1206.6	1231.8	1253.1
20°	1005.7	1009.7	1017.7	1028.3	1041.6	1062.9	1085.5	1120.1	1152.0	1172.0	1199.9
22.5°	953.8	965.8	973.8	981.7	996.4	1020.3	1041.6	1066.9	1106.8	1129.4	1158.7
25°	923.2	928.5	933.8	943.2	953.8	975.1	999.0	1025.6	1057.6	1081.5	1106.8
27.5°	883.3	891.3	897.9	909.9	916.6	933.8	956.5	983.1	1021.6	1041.6	1062.9
30°	850.0	858.0	863.3	868.7	878.0	896.6	917.9	939.2	975.1	1000.4	1021.6
32.5°	816.8	824.8	831.4	835.4	844.7	856.7	874.0	900.6	931.2	948.5	976.4
35°	787.5	787.5	795.5	800.8	808.8	819.4	835.4	855.4	887.3	909.9	935.2
37.5°	754.3	755.6	762.2	766.2	774.2	784.9	800.8	819.4	846.0	863.3	888.6
40°	719.7	723.7	726.3	733.0	742.3	746.3	762.2	783.5	810.1	826.1	847.4
42.5°	685.1	687.7	694.4	699.7	707.7	714.4	725.0	744.9	764.9	788.8	806.1
45°	646.5	653.2	657.2	666.5	670.5	677.1	687.7	703.7	727.7	742.3	762.2
47.5°	613.3	615.9	618.6	630.5	638.5	642.5	653.2	662.5	687.7	701.1	719.7
50°	577.3	577.3	581.3	586.6	596.0	603.9	613.3	623.9	643.8	657.2	675.8
52.5°	544.1	540.1	542.7	545.4	554.7	562.7	572.0	586.6	605.3	613.3	629.2
55°	508.2	501.5	505.5	509.5	512.2	522.8	533.4	542.7	557.4	569.4	584.0
57.5°	469.6	468.3	465.6	466.9	473.6	480.2	488.2	500.2	517.5	526.8	534.8
60°	435.0	427.0	424.4	427.0	431.0	435.0	445.6	456.3	470.9	480.2	489.5
62.5°	399.1	391.1	385.8	381.8	385.8	395.1	401.7	409.7	421.7	432.3	440.3
65°	364.5	352.5	347.2	344.5	343.2	349.9	355.2	365.8	376.5	380.5	389.8
67.5°	325.9	315.3	308.6	304.6	304.6	304.6	310.0	320.6	331.2	332.6	341.9
70°	287.3	275.4	268.7	263.4	260.7	263.4	270.0	271.4	280.7	283.3	288.7
72.5°	246.1	235.5	227.5	220.8	222.2	224.8	224.8	227.5	232.8	239.4	239.4
75°	207.5	192.9	188.9	183.6	180.9	180.9	180.9	186.2	190.2	195.5	194.2
77.5°	163.6	155.6	147.7	145.0	141.0	139.7	142.3	142.3	145.0	149.0	150.3
80°	126.4	117.1	111.7	109.1	103.8	102.4	103.8	103.8	107.8	106.4	107.8
82.5°	87.8	81.1	77.2	73.2	70.5	71.8	70.5	70.5	71.8	70.5	70.5
85°	50.6	49.2	46.6	45.2	43.9	41.2	43.9	42.6	41.2	39.9	42.6
87.5°	23.9	22.6	22.6	20.0	20.0	18.6	20.0	20.0	18.6	18.6	18.6
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: P1004522

CATALOG NUMBER: S125DR-B1090DB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1567.1	1567.1	1567.1	1567.1
2.5°	1529.8	1543.1	1552.4	1569.7
5°	1495.2	1519.2	1541.8	1565.7
7.5°	1460.6	1488.6	1524.5	1555.1
10°	1422.1	1458.0	1500.5	1541.8
12.5°	1383.5	1426.0	1472.6	1527.1
15°	1336.9	1391.5	1446.0	1504.5
17.5°	1295.7	1351.6	1410.1	1483.2
20°	1249.1	1310.3	1374.2	1448.7
22.5°	1207.9	1275.7	1342.2	1420.7
25°	1161.3	1227.8	1301.0	1384.8
27.5°	1122.7	1183.9	1255.8	1346.2
30°	1076.2	1142.7	1214.5	1305.0
32.5°	1032.3	1096.1	1172.0	1261.1
35°	987.1	1052.2	1120.1	1205.2
37.5°	944.5	1000.4	1068.2	1149.4
40°	896.6	957.8	1019.0	1082.8
42.5°	852.7	908.6	965.8	1016.3
45°	803.5	851.4	905.9	947.1
47.5°	758.3	800.8	843.4	875.3
50°	713.0	746.3	778.2	806.1
52.5°	659.8	697.1	714.4	731.6
55°	611.9	633.2	649.2	666.5
57.5°	565.4	574.7	582.7	598.6
60°	504.2	514.8	524.1	536.1
62.5°	451.0	456.3	458.9	470.9
65°	400.4	399.1	405.7	412.4
67.5°	345.9	344.5	351.2	353.9
70°	292.7	291.3	292.7	299.3
72.5°	242.1	242.1	243.4	246.1
75°	195.5	195.5	196.9	199.5
77.5°	147.7	150.3	149.0	154.3
80°	107.8	105.1	107.8	110.4
82.5°	70.5	73.2	73.2	70.5
85°	39.9	39.9	39.9	39.9
87.5°	17.3	17.3	18.6	20.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)