

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: P1037966

Luminaire Tested: S125DS-B1270DB2750-4F0-XX-W2A-A_5000K

Issue Date: 5/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1037966
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: S125DS-B1270DB2750-4F0-XX-W2A-A_5000K
Description: Define 5 Direct Surface with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

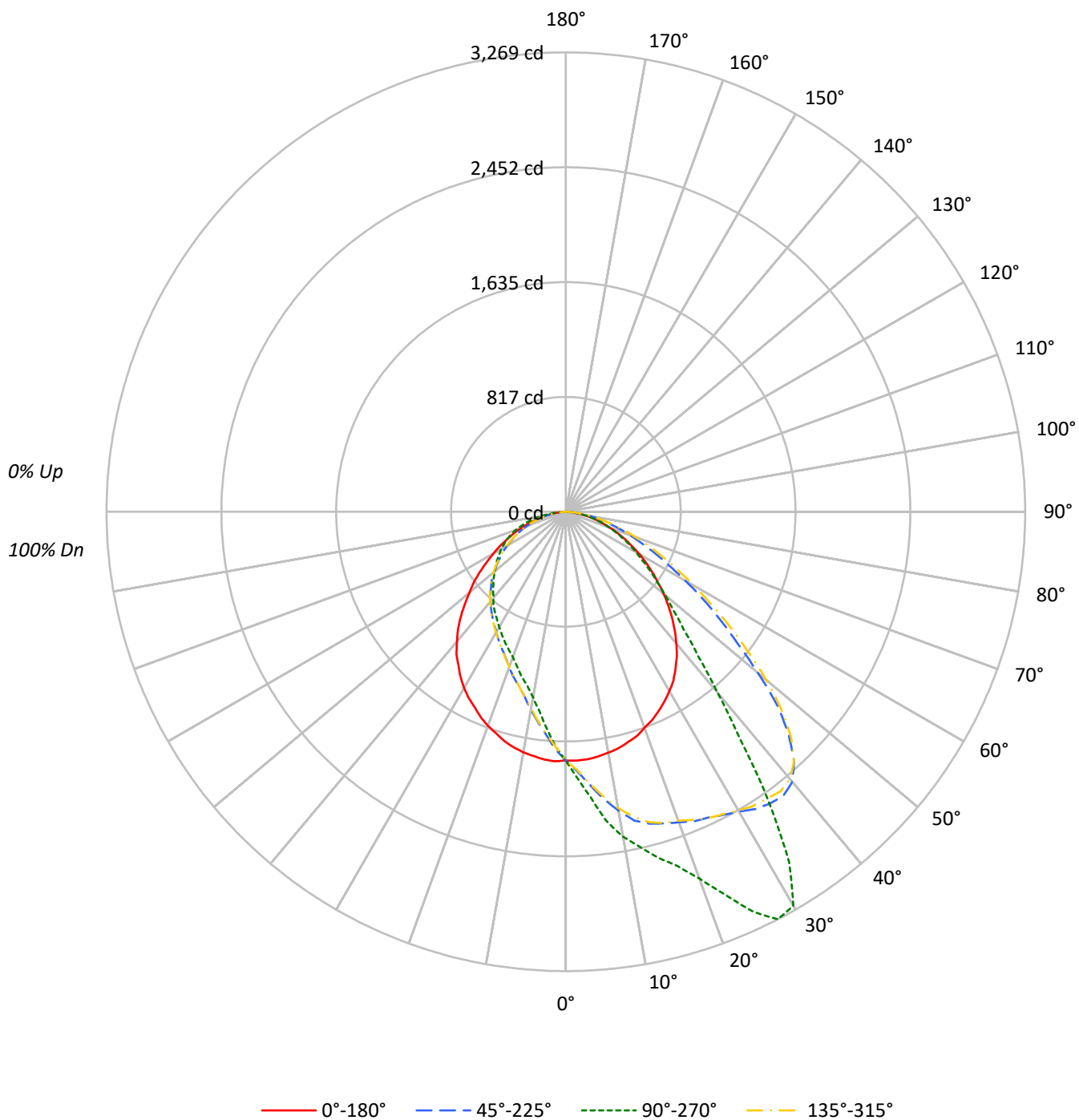
Lumens per Lamp: N/A
Luminaire Lumens: 4994.0 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 61.3
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			
RC	80				70				50				30				10			
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°	11339	11339	11339	11339
5°	11373	13131	11383	9962
10°	11328	15277	11309	8728
15°	11270	16911	11201	8052
20°	11155	18930	11052	7508
25°	11056	22176	10854	7243
30°	10904	23952	10715	7014
35°	10646	19694	10423	6863
40°	10228	13998	10078	6697
45°	9693	10754	9583	6602
50°	9075	9179	8925	6589
55°	8408	8172	8341	6645
60°	7758	7373	7623	6815
65°	7060	6810	6947	6992
70°	6332	6191	6247	7092
75°	5580	5466	5503	7028
80°	4601	4601	4435	6431
85°	3315	3646	3205	5190

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 20541 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.3	3.4
10°-20°	507.3	10.2
20°-30°	824.1	16.5
30°-40°	1007.2	20.2
40°-50°	913.6	18.3
50°-60°	727.7	14.6
60°-70°	506.8	10.1
70°-80°	270.0	5.4
80°-90°	66.9	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°	1501.8	30.1
0°-40°	2509.0	50.2
0°-60°	4150.2	83.1
0°-90°	4994.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4994.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1770	1770	1770	1770	1770	
5°	1768	2042	1770	1549	1768	168
15°	1699	2550	1689	1214	1699	480
25°	1564	3137	1535	1025	1564	720
35°	1361	2518	1333	877	1361	850
45°	1070	1187	1058	729	1070	824
55°	753	732	747	595	753	673
65°	466	449	458	461	466	462
75°	225	221	222	284	225	240
85°	45	50	44	71	45	57
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°	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8
2.5°	1772.8	1783.3	1795.3	1804.3	1819.3	1823.8	1831.4	1835.9	1840.4	1844.9	1847.9
5°	1768.3	1793.8	1816.3	1832.9	1861.4	1871.9	1885.4	1902.0	1921.5	1938.0	1948.5
7.5°	1756.2	1796.8	1826.8	1859.9	1899.0	1924.5	1938.0	1972.6	2004.1	2028.2	2059.7
10°	1741.2	1789.3	1835.9	1885.4	1941.0	1969.6	1996.6	2044.7	2088.3	2127.3	2158.9
12.5°	1724.7	1783.3	1838.9	1903.5	1978.6	2013.1	2031.2	2113.8	2167.9	2188.9	2250.5
15°	1699.1	1768.3	1847.9	1927.5	1990.6	2031.2	2080.7	2146.8	2200.9	2247.5	2297.1
17.5°	1675.1	1750.2	1831.4	1920.0	2011.6	2064.2	2101.8	2160.4	2219.0	2279.1	2325.6
20°	1636.0	1733.7	1816.3	1911.0	2019.1	2056.7	2095.8	2164.9	2228.0	2292.6	2351.2
22.5°	1604.5	1697.6	1810.3	1900.5	1992.1	2029.7	2077.7	2149.8	2225.0	2298.6	2384.2
25°	1563.9	1667.6	1765.3	1861.4	1956.0	1996.6	2040.2	2133.3	2211.4	2306.1	2400.7
27.5°	1520.4	1627.0	1724.7	1811.8	1900.5	1956.0	2002.6	2100.3	2203.9	2307.6	2430.8
30°	1473.8	1574.5	1667.6	1753.2	1850.9	1908.0	1954.5	2068.7	2184.4	2316.6	2463.8
32.5°	1424.2	1518.9	1598.5	1685.6	1789.3	1841.9	1905.0	2029.7	2166.4	2324.1	2508.9
35°	1361.1	1451.3	1521.9	1610.5	1714.2	1781.8	1847.9	1987.6	2146.8	2322.6	2534.4
37.5°	1298.0	1368.6	1436.2	1530.9	1651.1	1712.7	1781.8	1935.0	2116.8	2318.1	2545.0
40°	1222.9	1292.0	1350.6	1446.8	1573.0	1643.6	1715.7	1876.4	2082.2	2301.6	2507.4
42.5°	1147.8	1206.4	1271.0	1371.6	1493.3	1568.4	1645.1	1823.8	2037.2	2253.5	2403.7
45°	1069.7	1114.7	1185.3	1277.0	1406.2	1478.3	1565.4	1759.2	1974.1	2166.4	2241.5
47.5°	988.5	1033.6	1099.7	1188.4	1316.1	1401.7	1484.3	1678.1	1894.5	2043.2	2043.2
50°	910.4	946.5	1011.1	1099.7	1228.9	1307.0	1391.2	1597.0	1771.3	1880.9	1783.3
52.5°	826.3	866.9	920.9	1014.1	1141.8	1212.4	1304.0	1479.8	1645.1	1690.1	1539.9
55°	752.7	785.7	836.8	925.4	1044.1	1117.7	1195.9	1364.1	1503.8	1500.8	1340.1
57.5°	676.1	703.1	757.2	838.3	948.0	1014.1	1092.2	1237.9	1352.1	1311.5	1159.8
60°	605.4	625.0	677.6	743.7	848.8	910.4	985.5	1104.2	1191.4	1134.3	981.0
62.5°	531.8	554.4	596.4	661.0	754.2	803.8	859.3	979.5	1035.1	984.0	827.8
65°	465.7	483.8	521.3	575.4	659.5	704.6	752.7	851.8	904.4	830.8	701.6
67.5°	399.6	420.7	447.7	495.8	561.9	603.9	646.0	731.6	755.7	689.6	581.4
70°	338.0	356.1	381.6	416.1	471.7	509.3	540.8	611.5	628.0	566.4	480.7
72.5°	277.9	290.0	311.0	339.5	390.6	411.6	444.7	492.8	513.8	458.2	396.6
75°	225.4	234.4	247.9	268.9	303.5	326.0	353.1	398.1	396.6	357.6	314.0
77.5°	174.3	175.8	190.8	210.3	231.4	250.9	264.4	296.0	299.0	274.9	238.9
80°	124.7	129.2	135.2	150.2	168.3	175.8	192.3	211.8	214.8	196.8	172.8
82.5°	79.6	82.6	87.1	96.1	108.2	117.2	126.2	133.7	141.2	130.7	111.2
85°	45.1	46.6	51.1	54.1	60.1	64.6	72.1	79.6	78.1	70.6	64.6
87.5°	22.5	22.5	22.5	25.5	28.5	28.5	31.5	33.1	34.6	31.5	28.5
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°	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8
2.5°	1850.9	1861.4	1870.4	1877.9	1883.9	1892.9	1886.9	1888.4	1891.4	1897.5	1897.5
5°	1971.1	1987.6	1996.6	2026.7	2034.2	2032.7	2028.2	2052.2	2050.7	2041.7	2040.2
7.5°	2088.3	2116.8	2142.3	2166.4	2173.9	2193.4	2197.9	2208.4	2205.4	2220.5	2212.9
10°	2194.9	2240.0	2264.0	2300.1	2309.1	2318.1	2330.1	2336.1	2349.7	2348.2	2348.2
12.5°	2277.5	2331.6	2363.2	2372.2	2406.8	2417.3	2427.8	2447.3	2442.8	2444.3	2453.3
15°	2342.1	2394.7	2421.8	2463.8	2487.9	2499.9	2517.9	2539.0	2536.0	2549.5	2546.5
17.5°	2390.2	2439.8	2489.4	2552.5	2554.0	2585.5	2627.6	2636.6	2656.1	2642.6	2642.6
20°	2429.3	2495.4	2566.0	2647.1	2656.1	2675.7	2726.7	2761.3	2783.8	2776.3	2780.8
22.5°	2471.4	2566.0	2648.6	2729.8	2773.3	2807.9	2857.5	2911.5	2931.1	2943.1	2940.1
25°	2525.4	2624.6	2746.3	2859.0	2904.0	2970.1	3036.2	3088.8	3103.8	3136.9	3106.8
27.5°	2581.0	2720.7	2872.5	3004.7	3061.8	3115.9	3195.5	3234.5	3254.1	3269.1	3258.6
30°	2627.6	2819.9	2985.2	3106.8	3147.4	3179.0	3224.0	3233.0	3225.5	3237.5	3252.6
32.5°	2699.7	2887.5	3027.2	3085.8	3081.3	3079.8	3045.2	2997.2	2986.7	2958.1	2997.2
35°	2738.8	2889.0	2943.1	2865.0	2833.4	2776.3	2666.7	2594.5	2531.4	2517.9	2520.9
37.5°	2716.2	2774.8	2710.2	2504.4	2453.3	2366.2	2220.5	2118.3	2071.7	2035.7	2082.2
40°	2594.5	2529.9	2352.7	2101.8	2028.2	1945.5	1808.8	1753.2	1687.1	1673.6	1735.2
42.5°	2393.2	2196.4	1945.5	1751.7	1675.1	1628.5	1514.4	1461.8	1415.2	1394.2	1428.7
45°	2119.8	1880.9	1628.5	1469.3	1404.7	1349.1	1281.5	1225.9	1195.9	1186.8	1215.4
47.5°	1837.4	1585.0	1383.7	1265.0	1197.4	1155.3	1092.2	1060.7	1036.6	1039.6	1044.1
50°	1566.9	1337.1	1182.3	1063.7	1030.6	997.6	955.5	928.4	916.4	920.9	917.9
52.5°	1334.1	1147.8	1017.1	925.4	910.4	878.9	844.3	821.8	817.3	818.8	823.3
55°	1129.8	984.0	880.4	814.3	797.7	775.2	754.2	739.2	727.1	731.6	730.1
57.5°	975.0	847.3	767.7	713.6	701.6	688.1	668.5	661.0	656.5	647.5	655.0
60°	838.3	734.6	665.5	632.5	622.0	613.0	591.9	582.9	579.9	575.4	587.4
62.5°	709.1	635.5	582.9	552.9	542.3	533.3	522.8	515.3	516.8	510.8	516.8
65°	606.9	546.9	509.3	482.3	468.7	462.7	461.2	449.2	447.7	449.2	450.7
67.5°	512.3	461.2	432.7	416.1	405.6	399.6	395.1	387.6	393.6	389.1	392.1
70°	426.7	392.1	362.1	345.5	341.0	342.5	335.0	332.0	333.5	330.5	333.5
72.5°	344.0	315.5	303.5	291.5	285.4	283.9	279.4	274.9	279.4	277.9	277.9
75°	274.9	253.9	240.4	232.9	232.9	229.9	222.3	222.3	222.3	220.8	222.3
77.5°	211.8	193.8	187.8	180.3	180.3	175.8	174.3	174.3	171.3	175.8	172.8
80°	157.7	144.2	135.2	130.7	130.7	129.2	126.2	124.7	126.2	124.7	124.7
82.5°	102.2	96.1	91.6	87.1	85.6	87.1	85.6	82.6	84.1	82.6	85.6
85°	58.6	52.6	52.6	49.6	51.1	48.1	49.6	46.6	45.1	49.6	46.6
87.5°	25.5	24.0	24.0	21.0	21.0	21.0	19.5	21.0	19.5	18.0	19.5
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°	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8
2.5°	1894.5	1883.9	1886.9	1883.9	1876.4	1871.9	1859.9	1844.9	1838.9	1831.4	1826.8
5°	2046.2	2038.7	2037.2	2025.2	2022.2	2004.1	1974.1	1959.1	1941.0	1923.0	1905.0
7.5°	2211.4	2202.4	2172.4	2167.9	2170.9	2148.3	2109.3	2079.2	2041.7	2016.1	1981.6
10°	2348.2	2330.1	2304.6	2306.1	2295.6	2265.5	2226.5	2194.9	2140.8	2107.8	2058.2
12.5°	2430.8	2415.8	2412.8	2397.7	2388.7	2349.7	2303.1	2262.5	2222.0	2176.9	2139.3
15°	2531.4	2511.9	2498.4	2477.4	2471.4	2430.8	2379.7	2333.1	2286.6	2244.5	2164.9
17.5°	2642.6	2621.6	2570.5	2566.0	2529.9	2490.9	2441.3	2372.2	2322.6	2262.5	2203.9
20°	2768.8	2738.8	2672.7	2656.1	2627.6	2563.0	2495.4	2418.8	2339.1	2277.5	2208.4
22.5°	2910.0	2857.5	2809.4	2756.8	2735.8	2656.1	2563.0	2469.8	2373.7	2289.6	2206.9
25°	3093.3	3024.2	2956.6	2904.0	2868.0	2764.3	2639.6	2516.4	2405.2	2295.6	2187.4
27.5°	3237.5	3177.5	3103.8	3034.7	2988.2	2865.0	2722.2	2563.0	2424.8	2291.1	2175.4
30°	3248.1	3230.0	3185.0	3147.4	3096.3	2964.1	2806.4	2626.1	2454.8	2292.6	2151.4
32.5°	3051.3	3087.3	3106.8	3112.9	3102.3	3025.7	2881.5	2683.2	2481.9	2279.1	2130.3
35°	2627.6	2723.7	2842.4	2887.5	2931.1	2971.6	2896.5	2723.7	2490.9	2276.0	2097.3
37.5°	2163.4	2250.5	2447.3	2537.5	2588.5	2749.3	2810.9	2717.7	2508.9	2279.1	2065.7
40°	1745.7	1883.9	2025.2	2146.8	2226.5	2406.8	2597.5	2618.6	2483.4	2250.5	2025.2
42.5°	1469.3	1550.4	1657.1	1769.8	1840.4	2053.7	2312.1	2463.8	2403.7	2203.9	1975.6
45°	1251.5	1311.5	1412.2	1449.8	1539.9	1744.2	2017.6	2237.0	2267.0	2130.3	1918.5
47.5°	1074.2	1125.3	1189.9	1236.4	1308.5	1461.8	1693.1	1935.0	2079.2	2029.7	1838.9
50°	946.5	988.5	1042.6	1069.7	1116.2	1254.5	1428.7	1669.1	1862.9	1879.4	1735.2
52.5°	839.8	863.8	905.9	936.0	973.5	1057.6	1215.4	1413.7	1631.5	1721.7	1607.5
55°	746.7	766.2	803.8	823.3	842.8	914.9	1038.1	1218.4	1422.7	1541.4	1476.8
57.5°	662.5	679.1	710.6	728.6	739.2	808.3	902.9	1044.1	1227.4	1371.6	1335.6
60°	593.4	608.4	626.5	640.0	652.0	709.1	775.2	889.4	1053.1	1192.9	1183.8
62.5°	519.8	533.3	552.9	566.4	576.9	613.0	668.5	755.7	895.4	1024.6	1050.1
65°	455.2	465.7	479.2	485.3	498.8	525.8	570.9	649.0	763.2	878.9	896.9
67.5°	396.6	399.6	408.6	422.2	425.2	449.2	489.8	548.4	637.0	731.6	760.2
70°	333.5	338.0	345.5	356.1	362.1	377.1	411.6	450.7	527.3	610.0	631.0
72.5°	277.9	283.9	286.9	293.0	296.0	320.0	335.0	374.1	426.7	495.8	518.3
75°	225.4	231.4	232.9	235.9	238.9	249.4	270.4	294.5	338.0	383.1	413.1
77.5°	178.8	177.3	180.3	184.8	183.3	192.3	205.8	226.9	255.4	293.0	312.5
80°	126.2	126.2	130.7	135.2	133.7	142.7	147.2	162.3	186.3	210.3	217.8
82.5°	84.1	84.1	88.6	88.6	91.6	93.1	99.2	106.7	126.2	138.2	142.7
85°	48.1	48.1	49.6	49.6	49.6	52.6	57.1	60.1	66.1	73.6	76.6
87.5°	19.5	21.0	21.0	21.0	21.0	24.0	24.0	27.0	28.5	31.5	31.5
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: P1037966

CATALOG NUMBER: S125DS-B1270DB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8
2.5°	1820.8	1813.3	1804.3	1804.3	1793.8	1789.3	1780.3	1777.3	1769.8	1757.7	1748.7
5°	1885.4	1865.9	1853.9	1843.4	1820.8	1804.3	1787.8	1769.8	1751.7	1730.7	1706.7
7.5°	1948.5	1912.5	1896.0	1877.9	1844.9	1810.3	1777.3	1753.2	1729.2	1696.1	1666.1
10°	2014.6	1969.6	1939.5	1915.5	1864.4	1820.8	1772.8	1738.2	1700.6	1658.6	1619.5
12.5°	2070.2	2011.6	1986.1	1941.0	1882.4	1829.9	1769.8	1717.2	1667.6	1618.0	1569.9
15°	2116.8	2061.2	1998.1	1980.1	1899.0	1823.8	1756.2	1688.6	1627.0	1577.5	1521.9
17.5°	2131.8	2061.2	2029.7	1986.1	1889.9	1811.8	1726.2	1652.6	1594.0	1520.4	1476.8
20°	2136.3	2068.7	2025.2	1984.6	1899.0	1795.3	1711.2	1621.0	1550.4	1476.8	1407.7
22.5°	2124.3	2044.7	2002.6	1963.6	1867.4	1778.8	1681.1	1582.0	1499.3	1431.7	1362.6
25°	2101.8	2008.6	1968.1	1926.0	1834.4	1736.7	1630.0	1535.4	1458.8	1377.6	1310.0
27.5°	2071.7	1965.1	1918.5	1874.9	1784.8	1693.1	1592.5	1494.8	1409.2	1323.6	1260.5
30°	2034.2	1911.0	1868.9	1811.8	1724.7	1637.6	1545.9	1448.3	1352.1	1271.0	1201.9
32.5°	1986.1	1856.9	1801.3	1747.2	1652.6	1573.0	1485.8	1394.2	1301.0	1221.4	1149.3
35°	1942.5	1795.3	1733.7	1679.6	1574.5	1490.3	1418.2	1332.6	1249.9	1167.3	1102.7
37.5°	1883.9	1733.7	1660.1	1604.5	1497.8	1412.2	1344.6	1278.5	1191.4	1111.7	1051.6
40°	1822.3	1657.1	1588.0	1532.4	1421.2	1328.1	1263.5	1204.9	1134.3	1060.7	997.6
42.5°	1766.8	1583.5	1509.9	1442.2	1329.6	1246.9	1180.8	1135.8	1071.2	1005.1	948.0
45°	1696.1	1505.3	1425.7	1355.1	1246.9	1156.8	1093.7	1057.6	1009.6	945.0	895.4
47.5°	1624.0	1421.2	1338.6	1269.5	1152.3	1072.7	1011.1	976.5	943.5	892.4	842.8
50°	1529.4	1332.6	1257.5	1177.8	1062.2	981.0	929.9	895.4	869.9	833.8	791.7
52.5°	1425.7	1240.9	1159.8	1090.7	976.5	902.9	844.3	824.8	799.2	772.2	736.1
55°	1316.1	1141.8	1063.7	996.1	890.9	815.8	767.7	746.7	727.1	706.1	682.1
57.5°	1206.4	1038.1	964.5	904.4	806.8	734.6	695.6	667.0	653.5	641.5	622.0
60°	1069.7	926.9	869.9	815.8	719.6	653.5	616.0	594.9	582.9	576.9	567.9
62.5°	949.5	832.3	769.2	716.6	640.0	581.4	545.3	528.8	518.3	515.3	504.8
65°	821.8	721.1	671.5	626.5	560.4	507.8	477.7	458.2	450.7	449.2	449.2
67.5°	701.6	620.5	570.9	539.3	482.3	435.7	407.1	399.6	395.1	389.1	387.6
70°	588.9	524.3	480.7	453.7	402.6	368.1	345.5	333.5	333.5	329.0	326.0
72.5°	489.8	425.2	396.6	374.1	332.0	302.0	285.4	282.4	271.9	270.4	270.4
75°	383.1	335.0	315.5	296.0	264.4	243.4	229.9	222.3	216.3	216.3	217.8
77.5°	288.4	255.4	237.4	222.3	199.8	186.3	175.8	172.8	166.8	166.8	166.8
80°	204.3	186.3	172.8	160.8	144.2	132.2	126.2	120.2	120.2	118.7	120.2
82.5°	132.2	117.2	109.7	108.2	93.1	88.6	81.1	82.6	78.1	76.6	79.6
85°	76.6	69.1	60.1	57.1	51.1	45.1	42.1	43.6	42.1	40.6	42.1
87.5°	30.0	25.5	24.0	24.0	19.5	18.0	16.5	18.0	15.0	15.0	16.5
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: P1037966

CATALOG NUMBER: S125DS-B1270DB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8
2.5°	1745.7	1742.7	1735.2	1730.7	1715.7	1697.6	1691.6	1676.6	1682.6	1672.1	1672.1
5°	1699.1	1685.6	1676.6	1663.1	1634.5	1615.0	1594.0	1583.5	1577.5	1569.9	1563.9
7.5°	1639.1	1628.5	1619.5	1594.0	1562.4	1535.4	1509.9	1499.3	1479.8	1466.3	1460.3
10°	1586.5	1571.4	1550.4	1520.4	1487.3	1452.8	1430.2	1407.7	1392.7	1385.2	1368.6
12.5°	1532.4	1514.4	1491.8	1448.3	1412.2	1391.2	1350.6	1329.6	1322.1	1316.1	1296.5
15°	1476.8	1457.3	1430.2	1389.7	1358.1	1308.5	1284.5	1268.0	1249.9	1248.4	1233.4
17.5°	1427.2	1403.2	1380.7	1331.1	1292.0	1248.4	1234.9	1216.9	1200.4	1182.3	1174.8
20°	1364.1	1341.6	1325.1	1271.0	1227.4	1200.4	1177.8	1162.8	1152.3	1134.3	1131.3
22.5°	1307.0	1283.0	1260.5	1219.9	1182.3	1147.8	1120.7	1104.2	1099.7	1092.2	1078.7
25°	1251.5	1227.4	1200.4	1162.8	1123.8	1099.7	1075.7	1065.2	1056.1	1044.1	1033.6
27.5°	1204.9	1182.3	1156.8	1110.2	1077.2	1059.2	1033.6	1021.6	1009.6	1003.6	999.1
30°	1149.3	1123.8	1104.2	1068.2	1032.1	1008.1	990.0	979.5	969.0	963.0	960.0
32.5°	1095.2	1071.2	1057.6	1018.6	990.0	961.5	948.0	940.5	934.5	928.4	922.4
35°	1051.6	1027.6	1006.6	970.5	942.0	922.4	911.9	899.9	895.4	889.4	889.4
37.5°	997.6	979.5	958.5	923.9	898.4	883.4	874.4	859.3	857.8	854.8	850.3
40°	951.0	933.0	913.4	883.4	860.8	842.8	830.8	823.3	818.8	815.8	812.8
42.5°	901.4	881.9	872.9	838.3	818.8	800.7	794.7	787.2	785.7	779.7	772.2
45°	853.3	836.8	818.8	793.2	776.7	761.7	752.7	746.7	739.2	737.6	733.1
47.5°	811.3	791.7	775.2	751.2	733.1	721.1	713.6	706.1	700.1	695.6	691.1
50°	757.2	742.2	728.6	703.1	688.1	676.1	665.5	659.5	653.5	653.5	653.5
52.5°	704.6	691.1	679.1	661.0	643.0	632.5	620.5	616.0	613.0	608.4	613.0
55°	653.5	640.0	628.0	614.5	593.4	584.4	572.4	567.9	569.4	569.4	573.9
57.5°	599.4	588.9	581.4	564.9	545.3	536.3	528.8	524.3	524.3	530.3	531.8
60°	546.9	536.3	522.8	507.8	495.8	485.3	480.7	482.3	482.3	485.3	492.8
62.5°	488.3	482.3	474.7	453.7	446.2	438.7	432.7	437.2	435.7	443.2	453.7
65°	434.2	428.2	417.7	407.1	398.1	390.6	389.1	390.6	393.6	401.1	413.1
67.5°	374.1	374.1	365.1	356.1	348.5	341.0	342.5	344.0	347.0	356.1	374.1
70°	324.5	318.5	309.5	303.5	297.5	294.5	291.5	297.5	306.5	312.5	326.0
72.5°	270.4	265.9	258.4	252.4	250.9	247.9	246.4	249.4	258.4	268.9	283.9
75°	213.3	214.8	210.3	205.8	205.8	201.3	204.3	204.3	213.3	223.8	235.9
77.5°	165.3	163.8	162.3	159.2	157.7	157.7	157.7	160.8	169.8	175.8	187.8
80°	117.2	118.7	114.2	115.7	114.2	115.7	115.7	121.7	126.2	133.7	142.7
82.5°	78.1	78.1	75.1	76.6	76.6	76.6	78.1	81.1	87.1	93.1	99.2
85°	43.6	45.1	42.1	45.1	45.1	45.1	46.6	48.1	52.6	54.1	60.1
87.5°	16.5	19.5	19.5	16.5	18.0	19.5	21.0	19.5	22.5	25.5	27.0
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: P1037966

CATALOG NUMBER: S125DS-B1270DB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8
2.5°	1678.1	1667.6	1666.1	1669.1	1663.1	1672.1	1669.1	1672.1	1664.6	1672.1	1667.6
5°	1562.4	1559.4	1553.4	1545.9	1547.4	1548.9	1556.4	1548.9	1554.9	1556.4	1563.9
7.5°	1454.3	1448.3	1452.8	1449.8	1436.2	1433.2	1436.2	1440.7	1449.8	1455.8	1460.3
10°	1367.1	1364.1	1358.1	1353.6	1346.1	1341.6	1347.6	1341.6	1353.6	1364.1	1364.1
12.5°	1301.0	1289.0	1281.5	1280.0	1263.5	1266.5	1272.5	1277.0	1290.5	1296.5	1296.5
15°	1231.9	1222.9	1219.9	1213.9	1207.9	1213.9	1210.9	1215.4	1221.4	1227.4	1230.4
17.5°	1171.8	1170.3	1171.8	1156.8	1161.3	1153.8	1155.3	1162.8	1158.3	1162.8	1171.8
20°	1117.7	1120.7	1116.2	1110.2	1110.2	1101.2	1111.7	1108.7	1110.2	1119.2	1132.8
22.5°	1077.2	1075.7	1071.2	1066.7	1060.7	1062.2	1063.7	1060.7	1072.7	1080.2	1081.7
25°	1033.6	1030.6	1029.1	1024.6	1018.6	1024.6	1023.1	1024.6	1027.6	1039.6	1030.6
27.5°	993.0	987.0	990.0	985.5	984.0	985.5	985.5	987.0	990.0	991.5	993.0
30°	958.5	952.5	951.0	948.0	946.5	948.0	951.0	948.0	960.0	958.5	958.5
32.5°	920.9	916.4	913.4	913.4	911.9	910.4	911.9	913.4	922.4	916.4	922.4
35°	884.9	881.9	881.9	878.9	877.4	877.4	877.4	883.4	880.4	884.9	884.9
37.5°	850.3	850.3	848.8	845.8	844.3	845.8	844.3	847.3	845.8	847.3	848.8
40°	814.3	811.3	809.8	809.8	805.3	800.7	805.3	805.3	806.8	811.3	812.8
42.5°	770.7	772.2	772.2	766.2	766.2	766.2	767.7	769.2	769.2	772.2	772.2
45°	733.1	730.1	730.1	730.1	727.1	728.6	731.6	731.6	731.6	731.6	728.6
47.5°	691.1	691.1	692.6	692.6	697.1	695.6	695.6	694.1	691.1	691.1	692.6
50°	652.0	656.5	658.0	658.0	659.5	661.0	661.0	658.0	656.5	652.0	652.0
52.5°	614.5	617.5	620.5	625.0	628.0	626.5	626.5	623.5	617.5	616.0	614.5
55°	573.9	578.4	584.4	588.9	593.4	594.9	594.9	588.9	582.9	575.4	575.4
57.5°	536.3	540.8	551.4	555.9	561.9	561.9	558.9	554.4	545.3	539.3	534.8
60°	498.8	506.3	513.8	522.8	530.3	531.8	527.3	521.3	510.8	503.3	497.3
62.5°	458.2	465.7	480.7	489.8	495.8	495.8	495.8	488.3	474.7	464.2	455.2
65°	419.2	426.7	440.2	452.2	456.7	461.2	456.7	449.2	438.7	426.7	417.7
67.5°	378.6	387.6	401.1	410.1	416.1	420.7	417.7	411.6	398.1	381.6	375.6
70°	333.5	338.0	357.6	366.6	375.6	378.6	375.6	366.6	353.1	335.0	329.0
72.5°	291.5	296.0	314.0	321.5	329.0	332.0	327.5	321.5	309.5	293.0	285.4
75°	243.4	250.9	259.9	271.9	280.9	283.9	279.4	274.9	259.9	249.4	243.4
77.5°	192.3	199.8	211.8	222.3	231.4	229.9	223.8	225.4	208.8	196.8	192.3
80°	145.7	151.7	160.8	169.8	174.3	174.3	172.8	166.8	160.8	151.7	144.2
82.5°	100.7	108.2	115.7	121.7	121.7	123.2	120.2	118.7	112.7	105.2	103.7
85°	60.1	61.6	67.6	67.6	73.6	70.6	69.1	73.6	67.6	63.1	61.6
87.5°	27.0	25.5	27.0	27.0	25.5	28.5	28.5	27.0	28.5	27.0	27.0
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: P1037966

CATALOG NUMBER: S125DS-B1270DB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8
2.5°	1681.1	1672.1	1682.6	1669.1	1672.1	1688.6	1687.1	1702.2	1711.2	1709.7	1717.2
5°	1569.9	1569.9	1574.5	1573.0	1588.0	1601.5	1619.5	1634.5	1651.1	1660.1	1670.6
7.5°	1460.3	1475.3	1478.3	1485.8	1503.8	1526.4	1544.4	1566.9	1591.0	1607.5	1619.5
10°	1370.1	1382.2	1394.2	1400.2	1419.7	1449.8	1475.3	1511.4	1541.4	1559.4	1576.0
12.5°	1290.5	1304.0	1310.0	1337.1	1350.6	1370.1	1406.2	1445.3	1478.3	1497.8	1511.4
15°	1233.4	1240.9	1254.5	1271.0	1284.5	1308.5	1338.6	1382.2	1413.7	1430.2	1476.8
17.5°	1185.3	1194.4	1201.9	1209.4	1230.4	1256.0	1284.5	1322.1	1362.6	1391.2	1415.2
20°	1135.8	1140.3	1149.3	1161.3	1176.3	1200.4	1225.9	1265.0	1301.0	1323.6	1355.1
22.5°	1077.2	1090.7	1099.7	1108.7	1125.3	1152.3	1176.3	1204.9	1249.9	1275.5	1308.5
25°	1042.6	1048.6	1054.6	1065.2	1077.2	1101.2	1128.3	1158.3	1194.4	1221.4	1249.9
27.5°	997.6	1006.6	1014.1	1027.6	1035.1	1054.6	1080.2	1110.2	1153.8	1176.3	1200.4
30°	960.0	969.0	975.0	981.0	991.5	1012.6	1036.6	1060.7	1101.2	1129.8	1153.8
32.5°	922.4	931.5	939.0	943.5	954.0	967.5	987.0	1017.1	1051.6	1071.2	1102.7
35°	889.4	889.4	898.4	904.4	913.4	925.4	943.5	966.0	1002.1	1027.6	1056.1
37.5°	851.8	853.3	860.8	865.3	874.4	886.4	904.4	925.4	955.5	975.0	1003.6
40°	812.8	817.3	820.3	827.8	838.3	842.8	860.8	884.9	914.9	933.0	957.0
42.5°	773.7	776.7	784.2	790.2	799.2	806.8	818.8	841.3	863.8	890.9	910.4
45°	730.1	737.6	742.2	752.7	757.2	764.7	776.7	794.7	821.8	838.3	860.8
47.5°	692.6	695.6	698.6	712.1	721.1	725.6	737.6	748.2	776.7	791.7	812.8
50°	652.0	652.0	656.5	662.5	673.0	682.1	692.6	704.6	727.1	742.2	763.2
52.5°	614.5	610.0	613.0	616.0	626.5	635.5	646.0	662.5	683.6	692.6	710.6
55°	573.9	566.4	570.9	575.4	578.4	590.4	602.4	613.0	629.5	643.0	659.5
57.5°	530.3	528.8	525.8	527.3	534.8	542.3	551.4	564.9	584.4	594.9	603.9
60°	491.3	482.3	479.2	482.3	486.8	491.3	503.3	515.3	531.8	542.3	552.9
62.5°	450.7	441.7	435.7	431.2	435.7	446.2	453.7	462.7	476.2	488.3	497.3
65°	411.6	398.1	392.1	389.1	387.6	395.1	401.1	413.1	425.2	429.7	440.2
67.5°	368.1	356.1	348.5	344.0	344.0	344.0	350.0	362.1	374.1	375.6	386.1
70°	324.5	311.0	303.5	297.5	294.5	297.5	305.0	306.5	317.0	320.0	326.0
72.5°	277.9	265.9	256.9	249.4	250.9	253.9	253.9	256.9	262.9	270.4	270.4
75°	234.4	217.8	213.3	207.3	204.3	204.3	204.3	210.3	214.8	220.8	219.3
77.5°	184.8	175.8	166.8	163.8	159.2	157.7	160.8	160.8	163.8	168.3	169.8
80°	142.7	132.2	126.2	123.2	117.2	115.7	117.2	117.2	121.7	120.2	121.7
82.5°	99.2	91.6	87.1	82.6	79.6	81.1	79.6	79.6	81.1	79.6	79.6
85°	57.1	55.6	52.6	51.1	49.6	46.6	49.6	48.1	46.6	45.1	48.1
87.5°	27.0	25.5	25.5	22.5	22.5	21.0	22.5	22.5	21.0	21.0	21.0
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: P1037966

CATALOG NUMBER: S125DS-B1270DB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1769.8	1769.8	1769.8	1769.8
2.5°	1727.7	1742.7	1753.2	1772.8
5°	1688.6	1715.7	1741.2	1768.3
7.5°	1649.6	1681.1	1721.7	1756.2
10°	1606.0	1646.6	1694.6	1741.2
12.5°	1562.4	1610.5	1663.1	1724.7
15°	1509.9	1571.4	1633.0	1699.1
17.5°	1463.3	1526.4	1592.5	1675.1
20°	1410.7	1479.8	1551.9	1636.0
22.5°	1364.1	1440.7	1515.9	1604.5
25°	1311.5	1386.7	1469.3	1563.9
27.5°	1268.0	1337.1	1418.2	1520.4
30°	1215.4	1290.5	1371.6	1473.8
32.5°	1165.8	1237.9	1323.6	1424.2
35°	1114.7	1188.4	1265.0	1361.1
37.5°	1066.7	1129.8	1206.4	1298.0
40°	1012.6	1081.7	1150.8	1222.9
42.5°	963.0	1026.1	1090.7	1147.8
45°	907.4	961.5	1023.1	1069.7
47.5°	856.3	904.4	952.5	988.5
50°	805.3	842.8	878.9	910.4
52.5°	745.2	787.2	806.8	826.3
55°	691.1	715.1	733.1	752.7
57.5°	638.5	649.0	658.0	676.1
60°	569.4	581.4	591.9	605.4
62.5°	509.3	515.3	518.3	531.8
65°	452.2	450.7	458.2	465.7
67.5°	390.6	389.1	396.6	399.6
70°	330.5	329.0	330.5	338.0
72.5°	273.4	273.4	274.9	277.9
75°	220.8	220.8	222.3	225.4
77.5°	166.8	169.8	168.3	174.3
80°	121.7	118.7	121.7	124.7
82.5°	79.6	82.6	82.6	79.6
85°	45.1	45.1	45.1	45.1
87.5°	19.5	19.5	21.0	22.5
90°	0.0	0.0	0.0	0.0

(END OF REPORT)