

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: P996822

Luminaire Tested: S125DRP-B1270DB2750-4F0-XX-W2A-A_4000K

Issue Date: 5/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P996822
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: S125DRP-B1270DB2750-4F0-XX-W2A-A_4000K
Description: Define 5 Direct Perimeter with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

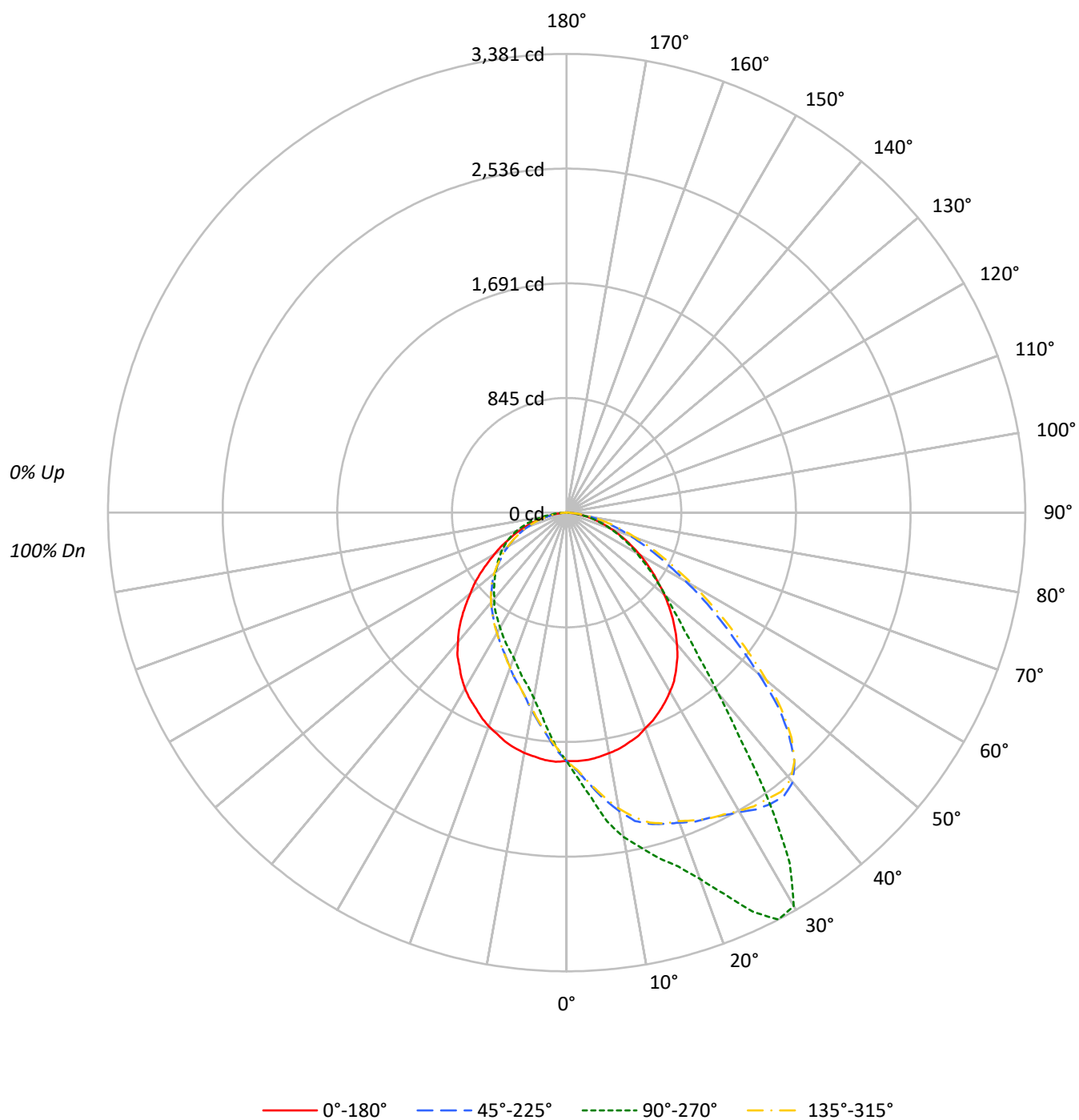
Lumens per Lamp: N/A
Luminaire Lumens: 5165.0 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 61.3
Input Voltage (V):
Input Current (A_{in}): 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	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°	11728	11728	11728	11728
5°	11762	13581	11772	10303
10°	11716	15800	11696	9027
15°	11656	17490	11585	8328
20°	11537	19578	11431	7765
25°	11435	22935	11226	7491
30°	11277	24772	11081	7253
35°	11010	20368	10780	7097
40°	10579	14477	10422	6927
45°	10024	11122	9912	6828
50°	9386	9494	9231	6815
55°	8695	8453	8626	6873
60°	8024	7626	7885	7048
65°	7303	7044	7185	7232
70°	6549	6403	6461	7336
75°	5770	5654	5694	7271
80°	4760	4760	4586	6649
85°	3426	3771	3315	5366

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 21245 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.2	3.4
10°-20°	524.7	10.2
20°-30°	852.3	16.5
30°-40°	1041.7	20.2
40°-50°	944.9	18.3
50°-60°	752.6	14.6
60°-70°	524.2	10.1
70°-80°	279.3	5.4
80°-90°	69.2	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°	1553.2	30.1
0°-40°	2594.9	50.2
0°-60°	4292.3	83.1
0°-90°	5165.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5165.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1830	1830	1830	1830	1830	
5°	1829	2112	1830	1602	1829	174
15°	1757	2637	1746	1256	1757	496
25°	1618	3244	1588	1060	1618	745
35°	1408	2604	1378	907	1408	879
45°	1106	1228	1094	754	1106	852
55°	778	757	772	615	778	696
65°	482	465	474	477	482	478
75°	233	228	230	294	233	248
85°	47	51	45	73	47	59
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°	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4
2.5°	1833.5	1844.3	1856.8	1866.1	1881.6	1886.3	1894.1	1898.7	1903.4	1908.0	1911.2
5°	1828.8	1855.2	1878.5	1895.6	1925.1	1936.0	1950.0	1967.1	1987.3	2004.4	2015.3
7.5°	1816.4	1858.3	1889.4	1923.6	1964.0	1990.4	2004.4	2040.1	2072.7	2097.6	2130.2
10°	1800.8	1850.6	1898.7	1950.0	2007.5	2037.0	2065.0	2114.7	2159.8	2200.2	2232.8
12.5°	1783.7	1844.3	1901.8	1968.6	2046.3	2082.1	2100.7	2186.2	2242.1	2263.9	2327.6
15°	1757.3	1828.8	1911.2	1993.5	2058.8	2100.7	2152.0	2220.4	2276.3	2324.5	2375.7
17.5°	1732.5	1810.2	1894.1	1985.7	2080.5	2134.9	2173.7	2234.3	2294.9	2357.1	2405.3
20°	1692.1	1793.1	1878.5	1976.4	2088.3	2127.1	2167.5	2239.0	2304.3	2371.1	2431.7
22.5°	1659.4	1755.8	1872.3	1965.5	2060.3	2099.2	2148.9	2223.5	2301.2	2377.3	2465.9
25°	1617.5	1724.7	1825.7	1925.1	2023.0	2065.0	2110.0	2206.4	2287.2	2385.1	2482.9
27.5°	1572.4	1682.7	1783.7	1873.9	1965.5	2023.0	2071.2	2172.2	2279.4	2386.6	2514.0
30°	1524.3	1628.4	1724.7	1813.3	1914.3	1973.3	2021.5	2139.6	2259.2	2395.9	2548.2
32.5°	1473.0	1570.9	1653.2	1743.3	1850.6	1904.9	1970.2	2099.2	2240.6	2403.7	2594.8
35°	1407.7	1501.0	1574.0	1665.7	1772.9	1842.8	1911.2	2055.7	2220.4	2402.1	2621.2
37.5°	1342.5	1415.5	1485.4	1583.3	1707.6	1771.3	1842.8	2001.3	2189.3	2397.5	2632.1
40°	1264.8	1336.3	1396.9	1496.3	1626.8	1699.8	1774.4	1940.7	2153.5	2380.4	2593.3
42.5°	1187.1	1247.7	1314.5	1418.6	1544.5	1622.1	1701.4	1886.3	2106.9	2330.7	2486.1
45°	1106.3	1152.9	1225.9	1320.7	1454.3	1528.9	1619.0	1819.5	2041.7	2240.6	2318.2
47.5°	1022.4	1069.0	1137.4	1229.0	1361.1	1449.7	1535.1	1735.6	1959.3	2113.1	2113.1
50°	941.6	978.9	1045.7	1137.4	1271.0	1351.8	1438.8	1651.7	1831.9	1945.3	1844.3
52.5°	854.6	896.5	952.5	1048.8	1180.9	1253.9	1348.7	1530.5	1701.4	1748.0	1592.6
55°	778.4	812.6	865.5	957.1	1079.9	1156.0	1236.8	1410.8	1555.3	1552.2	1386.0
57.5°	699.2	727.2	783.1	867.0	980.4	1048.8	1129.6	1280.3	1398.4	1356.5	1199.5
60°	626.2	646.4	700.8	769.1	877.9	941.6	1019.3	1142.0	1232.1	1173.1	1014.6
62.5°	550.0	573.3	616.9	683.7	780.0	831.3	888.8	1013.1	1070.6	1017.7	856.1
65°	481.7	500.3	539.2	595.1	682.1	728.7	778.4	881.0	935.4	859.2	725.6
67.5°	413.3	435.1	463.0	512.7	581.1	624.6	668.1	756.7	781.6	713.2	601.3
70°	349.6	368.2	394.7	430.4	487.9	526.7	559.4	632.4	649.5	585.8	497.2
72.5°	287.4	299.9	321.6	351.2	404.0	425.7	459.9	509.6	531.4	473.9	410.2
75°	233.1	242.4	256.4	278.1	313.9	337.2	365.1	411.8	410.2	369.8	324.7
77.5°	180.2	181.8	197.3	217.5	239.3	259.5	273.5	306.1	309.2	284.3	247.1
80°	129.0	133.6	139.8	155.4	174.0	181.8	198.9	219.1	222.2	203.5	178.7
82.5°	82.4	85.5	90.1	99.4	111.9	121.2	130.5	138.3	146.1	135.2	115.0
85°	46.6	48.2	52.8	55.9	62.2	66.8	74.6	82.4	80.8	73.0	66.8
87.5°	23.3	23.3	23.3	26.4	29.5	29.5	32.6	34.2	35.7	32.6	29.5
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°	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4
2.5°	1914.3	1925.1	1934.5	1942.2	1948.4	1957.8	1951.6	1953.1	1956.2	1962.4	1962.4
5°	2038.6	2055.7	2065.0	2096.1	2103.8	2102.3	2097.6	2122.5	2120.9	2111.6	2110.0
7.5°	2159.8	2189.3	2215.7	2240.6	2248.3	2268.5	2273.2	2284.1	2281.0	2296.5	2288.7
10°	2270.1	2316.7	2341.6	2378.8	2388.2	2397.5	2409.9	2416.1	2430.1	2428.6	2428.6
12.5°	2355.5	2411.5	2444.1	2453.4	2489.2	2500.0	2510.9	2531.1	2526.5	2528.0	2537.3
15°	2422.3	2476.7	2504.7	2548.2	2573.1	2585.5	2604.1	2625.9	2622.8	2636.8	2633.7
17.5°	2472.1	2523.3	2574.6	2639.9	2641.4	2674.1	2717.6	2726.9	2747.1	2733.1	2733.1
20°	2512.5	2580.8	2653.9	2737.8	2747.1	2767.3	2820.1	2855.9	2879.2	2871.4	2876.1
22.5°	2556.0	2653.9	2739.3	2823.2	2868.3	2904.0	2955.3	3011.2	3031.4	3043.9	3040.8
25°	2611.9	2714.5	2840.3	2956.8	3003.5	3071.8	3140.2	3194.6	3210.1	3244.3	3213.2
27.5°	2669.4	2813.9	2970.8	3107.6	3166.6	3222.5	3304.9	3345.3	3365.5	3381.0	3370.2
30°	2717.6	2916.5	3087.4	3213.2	3255.2	3287.8	3334.4	3343.7	3336.0	3348.4	3363.9
32.5°	2792.1	2986.4	3130.9	3191.5	3186.8	3185.3	3149.5	3099.8	3088.9	3059.4	3099.8
35°	2832.5	2987.9	3043.9	2963.1	2930.4	2871.4	2758.0	2683.4	2618.1	2604.1	2607.2
37.5°	2809.2	2869.8	2803.0	2590.2	2537.3	2447.2	2296.5	2190.8	2142.7	2105.4	2153.5
40°	2683.4	2616.6	2433.2	2173.7	2097.6	2012.1	1870.8	1813.3	1744.9	1730.9	1794.6
42.5°	2475.2	2271.6	2012.1	1811.7	1732.5	1684.3	1566.2	1511.8	1463.7	1441.9	1477.6
45°	2192.4	1945.3	1684.3	1519.6	1452.8	1395.3	1325.4	1267.9	1236.8	1227.5	1257.0
47.5°	1900.3	1639.2	1431.0	1308.3	1238.4	1194.9	1129.6	1097.0	1072.1	1075.2	1079.9
50°	1620.6	1382.9	1222.8	1100.1	1065.9	1031.7	988.2	960.2	947.8	952.5	949.4
52.5°	1379.8	1187.1	1051.9	957.1	941.6	909.0	873.2	849.9	845.3	846.8	851.5
55°	1168.4	1017.7	910.5	842.2	825.1	801.8	780.0	764.5	752.0	756.7	755.1
57.5°	1008.4	876.3	794.0	738.0	725.6	711.6	691.4	683.7	679.0	669.7	677.4
60°	867.0	759.8	688.3	654.1	643.3	633.9	612.2	602.9	599.8	595.1	607.5
62.5°	733.4	657.3	602.9	571.8	560.9	551.6	540.7	532.9	534.5	528.3	534.5
65°	627.7	565.6	526.7	498.8	484.8	478.6	477.0	464.6	463.0	464.6	466.1
67.5°	529.8	477.0	447.5	430.4	419.5	413.3	408.6	400.9	407.1	402.4	405.5
70°	441.3	405.5	374.5	357.4	352.7	354.3	346.5	343.4	344.9	341.8	344.9
72.5°	355.8	326.3	313.9	301.4	295.2	293.7	289.0	284.3	289.0	287.4	287.4
75°	284.3	262.6	248.6	240.8	240.8	237.7	230.0	230.0	230.0	228.4	230.0
77.5°	219.1	200.4	194.2	186.5	186.5	181.8	180.2	180.2	177.1	181.8	178.7
80°	163.1	149.2	139.8	135.2	135.2	133.6	130.5	129.0	130.5	129.0	129.0
82.5°	105.7	99.4	94.8	90.1	88.6	90.1	88.6	85.5	87.0	85.5	88.6
85°	60.6	54.4	54.4	51.3	52.8	49.7	51.3	48.2	46.6	51.3	48.2
87.5°	26.4	24.9	24.9	21.8	21.8	21.8	20.2	21.8	20.2	18.6	20.2
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°	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4
2.5°	1959.3	1948.4	1951.6	1948.4	1940.7	1936.0	1923.6	1908.0	1901.8	1894.1	1889.4
5°	2116.3	2108.5	2106.9	2094.5	2091.4	2072.7	2041.7	2026.1	2007.5	1988.8	1970.2
7.5°	2287.2	2277.8	2246.8	2242.1	2245.2	2221.9	2181.5	2150.4	2111.6	2085.2	2049.4
10°	2428.6	2409.9	2383.5	2385.1	2374.2	2343.1	2302.7	2270.1	2214.1	2180.0	2128.7
12.5°	2514.0	2498.5	2495.4	2479.8	2470.5	2430.1	2381.9	2340.0	2298.0	2251.4	2212.6
15°	2618.1	2597.9	2583.9	2562.2	2556.0	2514.0	2461.2	2413.0	2364.9	2321.4	2239.0
17.5°	2733.1	2711.4	2658.5	2653.9	2616.6	2576.2	2524.9	2453.4	2402.1	2340.0	2279.4
20°	2863.6	2832.5	2764.2	2747.1	2717.6	2650.8	2580.8	2501.6	2419.2	2355.5	2284.1
22.5°	3009.7	2955.3	2905.6	2851.2	2829.4	2747.1	2650.8	2554.4	2455.0	2368.0	2282.5
25°	3199.2	3127.8	3057.8	3003.5	2966.2	2859.0	2730.0	2602.6	2487.6	2374.2	2262.3
27.5°	3348.4	3286.3	3210.1	3138.6	3090.5	2963.1	2815.5	2650.8	2507.8	2369.5	2249.9
30°	3359.3	3340.6	3294.0	3255.2	3202.3	3065.6	2902.5	2716.0	2538.9	2371.1	2225.0
32.5°	3155.7	3193.0	3213.2	3219.4	3208.6	3129.3	2980.2	2775.1	2566.8	2357.1	2203.3
35°	2717.6	2817.0	2939.8	2986.4	3031.4	3073.4	2995.7	2817.0	2576.2	2354.0	2169.1
37.5°	2237.4	2327.6	2531.1	2624.3	2677.2	2843.4	2907.1	2810.8	2594.8	2357.1	2136.5
40°	1805.5	1948.4	2094.5	2220.4	2302.7	2489.2	2686.5	2708.2	2568.4	2327.6	2094.5
42.5°	1519.6	1603.5	1713.8	1830.4	1903.4	2124.0	2391.3	2548.2	2486.1	2279.4	2043.2
45°	1294.3	1356.5	1460.6	1499.4	1592.6	1803.9	2086.7	2313.6	2344.7	2203.3	1984.2
47.5°	1111.0	1163.8	1230.6	1278.8	1353.3	1511.8	1751.1	2001.3	2150.4	2099.2	1901.8
50°	978.9	1022.4	1078.3	1106.3	1154.5	1297.4	1477.6	1726.3	1926.7	1943.8	1794.6
52.5°	868.6	893.4	936.9	968.0	1006.9	1093.9	1257.0	1462.1	1687.4	1780.6	1662.5
55°	772.2	792.4	831.3	851.5	871.7	946.3	1073.7	1260.1	1471.4	1594.2	1527.4
57.5°	685.2	702.3	734.9	753.6	764.5	835.9	933.8	1079.9	1269.4	1418.6	1381.3
60°	613.7	629.3	647.9	661.9	674.3	733.4	801.8	919.8	1089.2	1233.7	1224.4
62.5°	537.6	551.6	571.8	585.8	596.7	633.9	691.4	781.6	926.1	1059.7	1086.1
65°	470.8	481.7	495.7	501.9	515.9	543.8	590.4	671.2	789.3	909.0	927.6
67.5°	410.2	413.3	422.6	436.6	439.7	464.6	506.5	567.1	658.8	756.7	786.2
70°	344.9	349.6	357.4	368.2	374.5	390.0	425.7	466.1	545.4	630.8	652.6
72.5°	287.4	293.7	296.8	303.0	306.1	331.0	346.5	386.9	441.3	512.7	536.1
75°	233.1	239.3	240.8	243.9	247.1	257.9	279.7	304.5	349.6	396.2	427.3
77.5°	184.9	183.3	186.5	191.1	189.6	198.9	212.9	234.6	264.1	303.0	323.2
80°	130.5	130.5	135.2	139.8	138.3	147.6	152.3	167.8	192.7	217.5	225.3
82.5°	87.0	87.0	91.7	91.7	94.8	96.3	102.5	110.3	130.5	142.9	147.6
85°	49.7	49.7	51.3	51.3	51.3	54.4	59.0	62.2	68.4	76.1	79.2
87.5°	20.2	21.8	21.8	21.8	21.8	24.9	24.9	28.0	29.5	32.6	32.6
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: P996822

CATALOG NUMBER: S125DRP-B1270DB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4
2.5°	1883.2	1875.4	1866.1	1866.1	1855.2	1850.6	1841.2	1838.1	1830.4	1817.9	1808.6
5°	1950.0	1929.8	1917.4	1906.5	1883.2	1866.1	1849.0	1830.4	1811.7	1790.0	1765.1
7.5°	2015.3	1978.0	1960.9	1942.2	1908.0	1872.3	1838.1	1813.3	1788.4	1754.2	1723.1
10°	2083.6	2037.0	2005.9	1981.1	1928.2	1883.2	1833.5	1797.7	1758.9	1715.4	1675.0
12.5°	2141.1	2080.5	2054.1	2007.5	1946.9	1892.5	1830.4	1776.0	1724.7	1673.4	1623.7
15°	2189.3	2131.8	2066.5	2047.9	1964.0	1886.3	1816.4	1746.5	1682.7	1631.5	1574.0
17.5°	2204.8	2131.8	2099.2	2054.1	1954.7	1873.9	1785.3	1709.2	1648.6	1572.4	1527.4
20°	2209.5	2139.6	2094.5	2052.5	1964.0	1856.8	1769.8	1676.5	1603.5	1527.4	1455.9
22.5°	2197.0	2114.7	2071.2	2030.8	1931.4	1839.7	1738.7	1636.1	1550.7	1480.8	1409.3
25°	2173.7	2077.4	2035.5	1991.9	1897.2	1796.2	1685.9	1588.0	1508.7	1424.8	1354.9
27.5°	2142.7	2032.3	1984.2	1939.1	1845.9	1751.1	1647.0	1546.0	1457.4	1368.9	1303.6
30°	2103.8	1976.4	1932.9	1873.9	1783.7	1693.6	1598.8	1497.8	1398.4	1314.5	1243.0
32.5°	2054.1	1920.5	1863.0	1807.0	1709.2	1626.8	1536.7	1441.9	1345.6	1263.2	1188.6
35°	2009.0	1856.8	1793.1	1737.1	1628.4	1541.4	1466.8	1378.2	1292.7	1207.3	1140.5
37.5°	1948.4	1793.1	1716.9	1659.4	1549.1	1460.6	1390.6	1322.3	1232.1	1149.8	1087.6
40°	1884.7	1713.8	1642.3	1584.9	1469.9	1373.5	1306.7	1246.1	1173.1	1097.0	1031.7
42.5°	1827.2	1637.7	1561.6	1491.6	1375.1	1289.6	1221.3	1174.7	1107.8	1039.5	980.4
45°	1754.2	1556.9	1474.5	1401.5	1289.6	1196.4	1131.2	1093.9	1044.1	977.3	926.1
47.5°	1679.6	1469.9	1384.4	1312.9	1191.8	1109.4	1045.7	1010.0	975.8	922.9	871.7
50°	1581.8	1378.2	1300.5	1218.2	1098.5	1014.6	961.8	926.1	899.6	862.3	818.8
52.5°	1474.5	1283.4	1199.5	1128.0	1010.0	933.8	873.2	853.0	826.6	798.6	761.4
55°	1361.1	1180.9	1100.1	1030.2	921.4	843.7	794.0	772.2	752.0	730.3	705.4
57.5°	1247.7	1073.7	997.5	935.4	834.4	759.8	719.4	689.9	675.9	663.5	643.3
60°	1106.3	958.7	899.6	843.7	744.3	675.9	637.1	615.3	602.9	596.7	587.3
62.5°	982.0	860.8	795.5	741.2	661.9	601.3	564.0	546.9	536.1	532.9	522.1
65°	849.9	745.8	694.5	647.9	579.6	525.2	494.1	473.9	466.1	464.6	464.6
67.5°	725.6	641.7	590.4	557.8	498.8	450.6	421.1	413.3	408.6	402.4	400.9
70°	609.1	542.3	497.2	469.2	416.4	380.7	357.4	344.9	344.9	340.3	337.2
72.5°	506.5	439.7	410.2	386.9	343.4	312.3	295.2	292.1	281.2	279.7	279.7
75°	396.2	346.5	326.3	306.1	273.5	251.7	237.7	230.0	223.7	223.7	225.3
77.5°	298.3	264.1	245.5	230.0	206.7	192.7	181.8	178.7	172.5	172.5	172.5
80°	211.3	192.7	178.7	166.3	149.2	136.7	130.5	124.3	124.3	122.7	124.3
82.5°	136.7	121.2	113.4	111.9	96.3	91.7	83.9	85.5	80.8	79.2	82.4
85°	79.2	71.5	62.2	59.0	52.8	46.6	43.5	45.1	43.5	42.0	43.5
87.5°	31.1	26.4	24.9	24.9	20.2	18.6	17.1	18.6	15.5	15.5	17.1
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: P996822

CATALOG NUMBER: S125DRP-B1270DB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4
2.5°	1805.5	1802.4	1794.6	1790.0	1774.4	1755.8	1749.6	1734.0	1740.2	1729.4	1729.4
5°	1757.3	1743.3	1734.0	1720.0	1690.5	1670.3	1648.6	1637.7	1631.5	1623.7	1617.5
7.5°	1695.2	1684.3	1675.0	1648.6	1615.9	1588.0	1561.6	1550.7	1530.5	1516.5	1510.3
10°	1640.8	1625.3	1603.5	1572.4	1538.2	1502.5	1479.2	1455.9	1440.4	1432.6	1415.5
12.5°	1584.9	1566.2	1542.9	1497.8	1460.6	1438.8	1396.9	1375.1	1367.3	1361.1	1340.9
15°	1527.4	1507.2	1479.2	1437.2	1404.6	1353.3	1328.5	1311.4	1292.7	1291.2	1275.7
17.5°	1476.1	1451.2	1427.9	1376.7	1336.3	1291.2	1277.2	1258.6	1241.5	1222.8	1215.1
20°	1410.8	1387.5	1370.4	1314.5	1269.4	1241.5	1218.2	1202.6	1191.8	1173.1	1170.0
22.5°	1351.8	1326.9	1303.6	1261.7	1222.8	1187.1	1159.1	1142.0	1137.4	1129.6	1115.6
25°	1294.3	1269.4	1241.5	1202.6	1162.2	1137.4	1112.5	1101.6	1092.3	1079.9	1069.0
27.5°	1246.1	1222.8	1196.4	1148.2	1114.1	1095.4	1069.0	1056.6	1044.1	1037.9	1033.3
30°	1188.6	1162.2	1142.0	1104.7	1067.4	1042.6	1023.9	1013.1	1002.2	996.0	992.9
32.5°	1132.7	1107.8	1093.9	1053.5	1023.9	994.4	980.4	972.7	966.5	960.2	954.0
35°	1087.6	1062.8	1041.0	1003.7	974.2	954.0	943.1	930.7	926.1	919.8	919.8
37.5°	1031.7	1013.1	991.3	955.6	929.2	913.6	904.3	888.8	887.2	884.1	879.4
40°	983.5	964.9	944.7	913.6	890.3	871.7	859.2	851.5	846.8	843.7	840.6
42.5°	932.3	912.1	902.7	867.0	846.8	828.2	822.0	814.2	812.6	806.4	798.6
45°	882.5	865.5	846.8	820.4	803.3	787.8	778.4	772.2	764.5	762.9	758.2
47.5°	839.0	818.8	801.8	776.9	758.2	745.8	738.0	730.3	724.1	719.4	714.7
50°	783.1	767.6	753.6	727.2	711.6	699.2	688.3	682.1	675.9	675.9	675.9
52.5°	728.7	714.7	702.3	683.7	665.0	654.1	641.7	637.1	633.9	629.3	633.9
55°	675.9	661.9	649.5	635.5	613.7	604.4	592.0	587.3	588.9	588.9	593.5
57.5°	620.0	609.1	601.3	584.2	564.0	554.7	546.9	542.3	542.3	548.5	550.0
60°	565.6	554.7	540.7	525.2	512.7	501.9	497.2	498.8	498.8	501.9	509.6
62.5°	505.0	498.8	491.0	469.2	461.5	453.7	447.5	452.2	450.6	458.4	469.2
65°	449.0	442.8	432.0	421.1	411.8	404.0	402.4	404.0	407.1	414.9	427.3
67.5°	386.9	386.9	377.6	368.2	360.5	352.7	354.3	355.8	358.9	368.2	386.9
70°	335.6	329.4	320.1	313.9	307.6	304.5	301.4	307.6	317.0	323.2	337.2
72.5°	279.7	275.0	267.3	261.0	259.5	256.4	254.8	257.9	267.3	278.1	293.7
75°	220.6	222.2	217.5	212.9	212.9	208.2	211.3	211.3	220.6	231.5	243.9
77.5°	170.9	169.4	167.8	164.7	163.1	163.1	163.1	166.3	175.6	181.8	194.2
80°	121.2	122.7	118.1	119.6	118.1	119.6	119.6	125.9	130.5	138.3	147.6
82.5°	80.8	80.8	77.7	79.2	79.2	79.2	80.8	83.9	90.1	96.3	102.5
85°	45.1	46.6	43.5	46.6	46.6	46.6	48.2	49.7	54.4	55.9	62.2
87.5°	17.1	20.2	20.2	17.1	18.6	20.2	21.8	20.2	23.3	26.4	28.0
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: P996822

CATALOG NUMBER: S125DRP-B1270DB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4
2.5°	1735.6	1724.7	1723.1	1726.3	1720.0	1729.4	1726.3	1729.4	1721.6	1729.4	1724.7
5°	1615.9	1612.8	1606.6	1598.8	1600.4	1602.0	1609.7	1602.0	1608.2	1609.7	1617.5
7.5°	1504.1	1497.8	1502.5	1499.4	1485.4	1482.3	1485.4	1490.1	1499.4	1505.6	1510.3
10°	1413.9	1410.8	1404.6	1400.0	1392.2	1387.5	1393.7	1387.5	1400.0	1410.8	1410.8
12.5°	1345.6	1333.1	1325.4	1323.8	1306.7	1309.8	1316.1	1320.7	1334.7	1340.9	1340.9
15°	1274.1	1264.8	1261.7	1255.5	1249.2	1255.5	1252.3	1257.0	1263.2	1269.4	1272.5
17.5°	1212.0	1210.4	1212.0	1196.4	1201.1	1193.3	1194.9	1202.6	1198.0	1202.6	1212.0
20°	1156.0	1159.1	1154.5	1148.2	1148.2	1138.9	1149.8	1146.7	1148.2	1157.6	1171.6
22.5°	1114.1	1112.5	1107.8	1103.2	1097.0	1098.5	1100.1	1097.0	1109.4	1117.2	1118.7
25°	1069.0	1065.9	1064.3	1059.7	1053.5	1059.7	1058.1	1059.7	1062.8	1075.2	1065.9
27.5°	1027.1	1020.8	1023.9	1019.3	1017.7	1019.3	1019.3	1020.8	1023.9	1025.5	1027.1
30°	991.3	985.1	983.5	980.4	978.9	980.4	983.5	980.4	992.9	991.3	991.3
32.5°	952.5	947.8	944.7	944.7	943.1	941.6	943.1	944.7	954.0	947.8	954.0
35°	915.2	912.1	912.1	909.0	907.4	907.4	907.4	913.6	910.5	915.2	915.2
37.5°	879.4	879.4	877.9	874.8	873.2	874.8	873.2	876.3	874.8	876.3	877.9
40°	842.2	839.0	837.5	837.5	832.8	828.2	832.8	832.8	834.4	839.0	840.6
42.5°	797.1	798.6	798.6	792.4	792.4	792.4	794.0	795.5	795.5	798.6	798.6
45°	758.2	755.1	755.1	755.1	752.0	753.6	756.7	756.7	756.7	756.7	753.6
47.5°	714.7	714.7	716.3	716.3	721.0	719.4	719.4	717.8	714.7	714.7	716.3
50°	674.3	679.0	680.6	680.6	682.1	683.7	683.7	680.6	679.0	674.3	674.3
52.5°	635.5	638.6	641.7	646.4	649.5	647.9	647.9	644.8	638.6	637.1	635.5
55°	593.5	598.2	604.4	609.1	613.7	615.3	615.3	609.1	602.9	595.1	595.1
57.5°	554.7	559.4	570.2	574.9	581.1	581.1	578.0	573.3	564.0	557.8	553.1
60°	515.9	523.6	531.4	540.7	548.5	550.0	545.4	539.2	528.3	520.5	514.3
62.5°	473.9	481.7	497.2	506.5	512.7	512.7	512.7	505.0	491.0	480.1	470.8
65°	433.5	441.3	455.3	467.7	472.3	477.0	472.3	464.6	453.7	441.3	432.0
67.5°	391.6	400.9	414.9	424.2	430.4	435.1	432.0	425.7	411.8	394.7	388.4
70°	344.9	349.6	369.8	379.1	388.4	391.6	388.4	379.1	365.1	346.5	340.3
72.5°	301.4	306.1	324.7	332.5	340.3	343.4	338.7	332.5	320.1	303.0	295.2
75°	251.7	259.5	268.8	281.2	290.6	293.7	289.0	284.3	268.8	257.9	251.7
77.5°	198.9	206.7	219.1	230.0	239.3	237.7	231.5	233.1	216.0	203.5	198.9
80°	150.7	156.9	166.3	175.6	180.2	180.2	178.7	172.5	166.3	156.9	149.2
82.5°	104.1	111.9	119.6	125.9	125.9	127.4	124.3	122.7	116.5	108.8	107.2
85°	62.2	63.7	69.9	69.9	76.1	73.0	71.5	76.1	69.9	65.3	63.7
87.5°	28.0	26.4	28.0	28.0	26.4	29.5	29.5	28.0	29.5	28.0	28.0
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: P996822

CATALOG NUMBER: S125DRP-B1270DB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4
2.5°	1738.7	1729.4	1740.2	1726.3	1729.4	1746.5	1744.9	1760.4	1769.8	1768.2	1776.0
5°	1623.7	1623.7	1628.4	1626.8	1642.3	1656.3	1675.0	1690.5	1707.6	1716.9	1727.8
7.5°	1510.3	1525.8	1528.9	1536.7	1555.3	1578.6	1597.3	1620.6	1645.5	1662.5	1675.0
10°	1417.0	1429.5	1441.9	1448.1	1468.3	1499.4	1525.8	1563.1	1594.2	1612.8	1629.9
12.5°	1334.7	1348.7	1354.9	1382.9	1396.9	1417.0	1454.3	1494.7	1528.9	1549.1	1563.1
15°	1275.7	1283.4	1297.4	1314.5	1328.5	1353.3	1384.4	1429.5	1462.1	1479.2	1527.4
17.5°	1225.9	1235.3	1243.0	1250.8	1272.5	1299.0	1328.5	1367.3	1409.3	1438.8	1463.7
20°	1174.7	1179.3	1188.6	1201.1	1216.6	1241.5	1267.9	1308.3	1345.6	1368.9	1401.5
22.5°	1114.1	1128.0	1137.4	1146.7	1163.8	1191.8	1216.6	1246.1	1292.7	1319.2	1353.3
25°	1078.3	1084.5	1090.8	1101.6	1114.1	1138.9	1166.9	1198.0	1235.3	1263.2	1292.7
27.5°	1031.7	1041.0	1048.8	1062.8	1070.6	1090.8	1117.2	1148.2	1193.3	1216.6	1241.5
30°	992.9	1002.2	1008.4	1014.6	1025.5	1047.2	1072.1	1097.0	1138.9	1168.4	1193.3
32.5°	954.0	963.3	971.1	975.8	986.7	1000.6	1020.8	1051.9	1087.6	1107.8	1140.5
35°	919.8	919.8	929.2	935.4	944.7	957.1	975.8	999.1	1036.4	1062.8	1092.3
37.5°	881.0	882.5	890.3	895.0	904.3	916.7	935.4	957.1	988.2	1008.4	1037.9
40°	840.6	845.3	848.4	856.1	867.0	871.7	890.3	915.2	946.3	964.9	989.8
42.5°	800.2	803.3	811.1	817.3	826.6	834.4	846.8	870.1	893.4	921.4	941.6
45°	755.1	762.9	767.6	778.4	783.1	790.9	803.3	822.0	849.9	867.0	890.3
47.5°	716.3	719.4	722.5	736.5	745.8	750.5	762.9	773.8	803.3	818.8	840.6
50°	674.3	674.3	679.0	685.2	696.1	705.4	716.3	728.7	752.0	767.6	789.3
52.5°	635.5	630.8	633.9	637.1	647.9	657.3	668.1	685.2	707.0	716.3	734.9
55°	593.5	585.8	590.4	595.1	598.2	610.6	623.1	633.9	651.0	665.0	682.1
57.5°	548.5	546.9	543.8	545.4	553.1	560.9	570.2	584.2	604.4	615.3	624.6
60°	508.1	498.8	495.7	498.8	503.4	508.1	520.5	532.9	550.0	560.9	571.8
62.5°	466.1	456.8	450.6	445.9	450.6	461.5	469.2	478.6	492.5	505.0	514.3
65°	425.7	411.8	405.5	402.4	400.9	408.6	414.9	427.3	439.7	444.4	455.3
67.5°	380.7	368.2	360.5	355.8	355.8	355.8	362.0	374.5	386.9	388.4	399.3
70°	335.6	321.6	313.9	307.6	304.5	307.6	315.4	317.0	327.8	331.0	337.2
72.5°	287.4	275.0	265.7	257.9	259.5	262.6	262.6	265.7	271.9	279.7	279.7
75°	242.4	225.3	220.6	214.4	211.3	211.3	211.3	217.5	222.2	228.4	226.9
77.5°	191.1	181.8	172.5	169.4	164.7	163.1	166.3	166.3	169.4	174.0	175.6
80°	147.6	136.7	130.5	127.4	121.2	119.6	121.2	121.2	125.9	124.3	125.9
82.5°	102.5	94.8	90.1	85.5	82.4	83.9	82.4	82.4	83.9	82.4	82.4
85°	59.0	57.5	54.4	52.8	51.3	48.2	51.3	49.7	48.2	46.6	49.7
87.5°	28.0	26.4	26.4	23.3	23.3	21.8	23.3	23.3	21.8	21.8	21.8
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: P996822

CATALOG NUMBER: S125DRP-B1270DB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1830.4	1830.4	1830.4	1830.4
2.5°	1786.9	1802.4	1813.3	1833.5
5°	1746.5	1774.4	1800.8	1828.8
7.5°	1706.1	1738.7	1780.6	1816.4
10°	1661.0	1702.9	1752.7	1800.8
12.5°	1615.9	1665.7	1720.0	1783.7
15°	1561.6	1625.3	1689.0	1757.3
17.5°	1513.4	1578.6	1647.0	1732.5
20°	1459.0	1530.5	1605.1	1692.1
22.5°	1410.8	1490.1	1567.8	1659.4
25°	1356.5	1434.1	1519.6	1617.5
27.5°	1311.4	1382.9	1466.8	1572.4
30°	1257.0	1334.7	1418.6	1524.3
32.5°	1205.7	1280.3	1368.9	1473.0
35°	1152.9	1229.0	1308.3	1407.7
37.5°	1103.2	1168.4	1247.7	1342.5
40°	1047.2	1118.7	1190.2	1264.8
42.5°	996.0	1061.2	1128.0	1187.1
45°	938.5	994.4	1058.1	1106.3
47.5°	885.7	935.4	985.1	1022.4
50°	832.8	871.7	909.0	941.6
52.5°	770.7	814.2	834.4	854.6
55°	714.7	739.6	758.2	778.4
57.5°	660.4	671.2	680.6	699.2
60°	588.9	601.3	612.2	626.2
62.5°	526.7	532.9	536.1	550.0
65°	467.7	466.1	473.9	481.7
67.5°	404.0	402.4	410.2	413.3
70°	341.8	340.3	341.8	349.6
72.5°	282.8	282.8	284.3	287.4
75°	228.4	228.4	230.0	233.1
77.5°	172.5	175.6	174.0	180.2
80°	125.9	122.7	125.9	129.0
82.5°	82.4	85.5	85.5	82.4
85°	46.6	46.6	46.6	46.6
87.5°	20.2	20.2	21.8	23.3
90°	0.0	0.0	0.0	0.0

(END OF REPORT)