

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: CORELITE

Report Number: P572053

Luminaire Tested: 22ID-70-L850-SWR

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P572053
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2109-397-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/5/2021
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22ID-70-L850-SWR
Description: 7000 LUMEN, 2X2 INDEPTH TROFFER WITH 2IN REGRESSED SWEEP LENS AND 5000K, 80 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7464.0 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.2 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

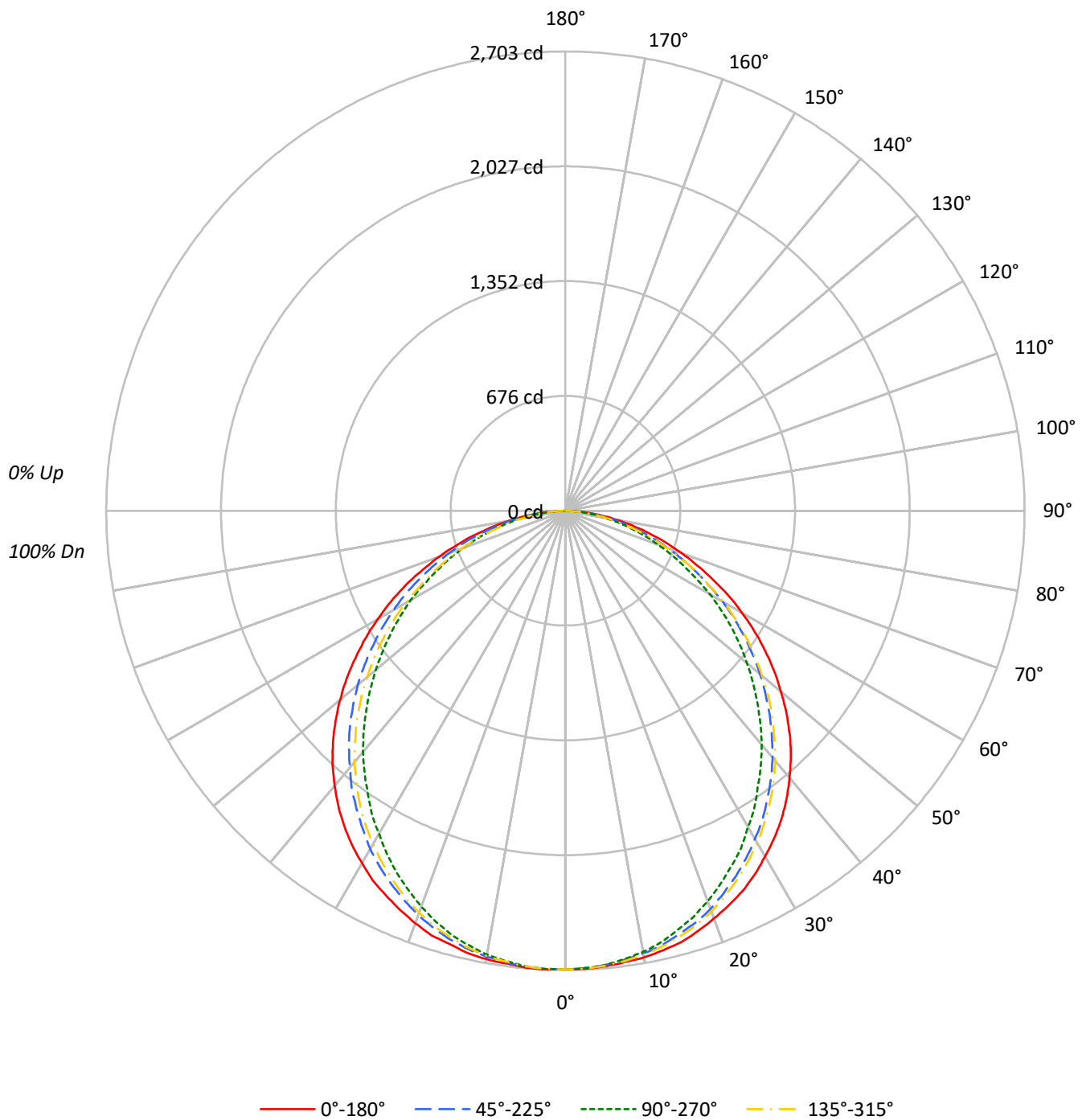
Input Watts (W): 61.1
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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CATALOG NUMBER: 22ID-70-L850-SWR

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				0
RW	70	50	30	10	70	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
1	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	76	72
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53
5	76	63	54	48	74	62	54	47	60	53	47	58	52	46	56	51	46
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40
7	65	52	43	37	64	51	43	37	49	42	36	48	41	36	47	41	36
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32
9	57	43	35	30	55	43	35	30	42	34	29	41	34	29	40	33	29
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7263	7263	7263	7263
5°	7270	7250	7290	7270
10°	7294	7203	7324	7253
15°	7322	7116	7354	7199
20°	7315	7007	7400	7102
25°	7331	6858	7419	6979
30°	7303	6681	7442	6820
35°	7283	6491	7453	6662
40°	7215	6316	7423	6511
45°	7111	6081	7365	6306
50°	6937	5851	7248	6100
55°	6731	5583	7079	5879
60°	6465	5287	6864	5647
65°	6090	4910	6609	5311
70°	5717	4550	6212	5017
75°	5281	4125	5782	4664
80°	4768	3620	5112	4193
85°	3890	2976	4008	3548

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 7365 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.6	3.4
10°-20°	733.5	9.8
20°-30°	1107.2	14.8
30°-40°	1321.9	17.7
40°-50°	1348.8	18.1
50°-60°	1189.5	15.9
60°-70°	879.1	11.8
70°-80°	495.7	6.6
80°-90°	132.7	1.8
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°	2096.3	28.1
0°-40°	3418.2	45.8
0°-60°	5956.5	79.8
0°-90°	7464.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7464.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2699	2699	2699	2699	2699	
5°	2692	2684	2699	2692	2692	256
15°	2628	2554	2640	2584	2628	741
25°	2469	2310	2499	2350	2469	1137
35°	2217	1976	2269	2028	2217	1386
45°	1868	1598	1935	1657	1868	1439
55°	1435	1190	1509	1253	1435	1282
65°	956	771	1038	834	956	950
75°	508	397	556	449	508	539
85°	126	96	130	115	126	148
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°	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9
2.5°	2698.9	2698.9	2698.9	2698.9	2695.2	2691.5	2691.5	2695.2	2695.2	2691.5	2695.2
5°	2691.5	2691.5	2691.5	2687.8	2684.1	2684.1	2684.1	2684.1	2680.3	2684.1	2684.1
7.5°	2680.3	2680.3	2680.3	2676.6	2672.9	2672.9	2672.9	2669.2	2665.5	2669.2	2665.5
10°	2669.2	2665.5	2665.5	2665.5	2658.1	2654.4	2654.4	2654.4	2650.7	2650.7	2647.0
12.5°	2650.7	2647.0	2647.0	2643.3	2639.6	2635.9	2632.2	2628.4	2624.7	2621.0	2621.0
15°	2628.4	2628.4	2621.0	2617.3	2609.9	2606.2	2602.5	2598.8	2591.4	2587.7	2580.3
17.5°	2595.1	2595.1	2587.7	2584.0	2576.5	2569.1	2569.1	2561.7	2554.3	2546.9	2543.2
20°	2554.3	2558.0	2554.3	2546.9	2535.8	2532.1	2528.4	2520.9	2509.8	2502.4	2495.0
22.5°	2513.5	2517.2	2509.8	2498.7	2491.3	2487.6	2480.2	2469.0	2457.9	2446.8	2435.7
25°	2469.0	2465.3	2457.9	2450.5	2439.4	2435.7	2428.3	2417.1	2398.6	2387.5	2372.6
27.5°	2413.4	2413.4	2402.3	2394.9	2376.4	2376.4	2365.2	2350.4	2335.6	2317.0	2305.9
30°	2350.4	2350.4	2343.0	2331.9	2313.3	2309.6	2298.5	2287.4	2265.1	2246.6	2231.8
32.5°	2287.4	2283.7	2276.3	2265.1	2246.6	2239.2	2228.1	2213.2	2194.7	2168.7	2157.6
35°	2216.9	2213.2	2202.1	2187.3	2172.5	2165.0	2153.9	2135.4	2116.8	2090.9	2072.4
37.5°	2139.1	2135.4	2124.3	2109.4	2090.9	2083.5	2072.4	2053.8	2027.9	2009.3	1987.1
40°	2053.8	2050.1	2042.7	2027.9	2009.3	2001.9	1987.1	1968.6	1938.9	1916.7	1898.1
42.5°	1964.8	1961.1	1950.0	1931.5	1916.7	1909.2	1894.4	1875.9	1849.9	1824.0	1798.0
45°	1868.5	1864.8	1853.6	1831.4	1820.3	1809.1	1794.3	1775.8	1753.5	1731.3	1701.6
47.5°	1764.7	1760.9	1753.5	1735.0	1712.8	1709.0	1694.2	1675.7	1649.7	1620.1	1597.8
50°	1657.1	1657.1	1646.0	1631.2	1616.4	1605.2	1590.4	1571.9	1538.5	1520.0	1494.0
52.5°	1549.6	1545.9	1538.5	1520.0	1508.9	1497.7	1479.2	1468.1	1434.7	1419.9	1390.2
55°	1434.7	1431.0	1416.2	1405.1	1397.6	1386.5	1371.7	1349.4	1330.9	1308.7	1282.7
57.5°	1319.8	1316.1	1305.0	1297.5	1282.7	1271.6	1256.8	1241.9	1216.0	1201.2	1175.2
60°	1201.2	1201.2	1193.7	1182.6	1167.8	1156.7	1145.5	1130.7	1108.5	1086.2	1067.7
62.5°	1082.5	1082.5	1071.4	1060.3	1052.9	1041.7	1034.3	1015.8	997.3	982.4	952.8
65°	956.5	956.5	941.6	937.9	930.5	923.1	912.0	893.4	882.3	856.4	845.3
67.5°	837.8	841.5	830.4	830.4	819.3	811.9	800.8	785.9	774.8	752.6	741.5
70°	726.6	730.3	722.9	719.2	708.1	700.7	693.3	682.1	667.3	659.9	641.4
72.5°	615.4	619.1	611.7	611.7	600.6	596.9	589.5	582.0	567.2	559.8	541.3
75°	507.9	504.2	504.2	507.9	496.8	493.1	489.4	474.5	467.1	459.7	444.9
77.5°	404.1	404.1	407.8	404.1	396.7	393.0	385.6	374.4	370.7	367.0	352.2
80°	307.7	311.4	311.4	307.7	300.3	296.6	292.9	281.8	278.0	278.0	266.9
82.5°	215.0	215.0	211.3	215.0	207.6	203.9	207.6	196.5	192.8	192.8	185.4
85°	126.0	122.3	122.3	126.0	122.3	122.3	122.3	114.9	114.9	114.9	107.5
87.5°	48.2	48.2	51.9	51.9	48.2	48.2	48.2	48.2	44.5	44.5	40.8
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°	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9
2.5°	2691.5	2691.5	2691.5	2691.5	2695.2	2691.5	2695.2	2695.2	2698.9	2695.2	2698.9
5°	2684.1	2684.1	2680.3	2680.3	2680.3	2680.3	2680.3	2680.3	2680.3	2684.1	2684.1
7.5°	2665.5	2665.5	2661.8	2661.8	2661.8	2661.8	2658.1	2658.1	2661.8	2661.8	2661.8
10°	2643.3	2639.6	2635.9	2635.9	2635.9	2635.9	2632.2	2635.9	2635.9	2635.9	2635.9
12.5°	2609.9	2609.9	2606.2	2602.5	2602.5	2602.5	2598.8	2602.5	2602.5	2602.5	2602.5
15°	2576.5	2572.8	2569.1	2561.7	2561.7	2558.0	2554.3	2558.0	2554.3	2554.3	2558.0
17.5°	2528.4	2528.4	2520.9	2517.2	2513.5	2509.8	2506.1	2506.1	2506.1	2506.1	2513.5
20°	2480.2	2476.4	2469.0	2454.2	2457.9	2454.2	2446.8	2450.5	2450.5	2446.8	2446.8
22.5°	2428.3	2413.4	2406.0	2391.2	2394.9	2387.5	2383.8	2387.5	2383.8	2380.1	2387.5
25°	2357.8	2350.4	2331.9	2331.9	2324.5	2320.7	2320.7	2317.0	2313.3	2309.6	2317.0
27.5°	2294.8	2280.0	2268.8	2254.0	2246.6	2246.6	2242.9	2239.2	2231.8	2239.2	2239.2
30°	2216.9	2202.1	2183.6	2176.2	2168.7	2168.7	2161.3	2157.6	2150.2	2150.2	2161.3
32.5°	2142.8	2120.6	2102.0	2090.9	2087.2	2083.5	2079.8	2064.9	2068.7	2072.4	2076.1
35°	2053.8	2035.3	2020.5	2009.3	1998.2	1994.5	1990.8	1979.7	1979.7	1976.0	1987.1
37.5°	1968.6	1946.3	1935.2	1916.7	1909.2	1901.8	1898.1	1890.7	1887.0	1890.7	1894.4
40°	1875.9	1857.3	1838.8	1820.3	1812.8	1809.1	1798.0	1798.0	1790.6	1798.0	1798.0
42.5°	1779.5	1760.9	1738.7	1723.9	1716.5	1709.0	1701.6	1697.9	1697.9	1697.9	1701.6
45°	1683.1	1660.9	1638.6	1623.8	1616.4	1612.7	1601.5	1597.8	1590.4	1597.8	1601.5
47.5°	1579.3	1560.8	1538.5	1527.4	1516.3	1512.6	1501.4	1494.0	1490.3	1497.7	1497.7
50°	1475.5	1457.0	1438.4	1423.6	1412.5	1408.8	1397.6	1397.6	1390.2	1397.6	1397.6
52.5°	1371.7	1353.1	1334.6	1316.1	1308.7	1305.0	1293.8	1293.8	1293.8	1293.8	1293.8
55°	1267.9	1241.9	1230.8	1212.3	1204.9	1201.2	1197.4	1186.3	1190.0	1190.0	1190.0
57.5°	1160.4	1141.8	1119.6	1112.2	1101.1	1097.3	1097.3	1082.5	1078.8	1086.2	1086.2
60°	1052.9	1038.0	1015.8	1004.7	997.3	997.3	986.1	971.3	967.6	982.4	982.4
62.5°	941.6	919.4	908.3	897.2	889.7	886.0	882.3	871.2	874.9	871.2	871.2
65°	837.8	815.6	808.2	797.1	789.6	785.9	782.2	774.8	767.4	771.1	771.1
67.5°	734.0	715.5	704.4	697.0	689.6	689.6	682.1	674.7	678.4	674.7	674.7
70°	633.9	619.1	604.3	600.6	593.2	593.2	589.5	585.7	582.0	578.3	578.3
72.5°	537.6	522.7	511.6	504.2	500.5	500.5	496.8	485.7	489.4	485.7	485.7
75°	437.5	426.3	422.6	415.2	411.5	411.5	407.8	400.4	404.1	396.7	389.3
77.5°	348.5	337.4	333.7	329.9	333.7	329.9	318.8	322.5	318.8	311.4	311.4
80°	266.9	255.8	255.8	248.4	244.7	244.7	241.0	241.0	237.3	233.6	233.6
82.5°	181.7	177.9	174.2	170.5	166.8	174.2	166.8	163.1	163.1	163.1	159.4
85°	103.8	103.8	100.1	100.1	96.4	100.1	96.4	92.7	96.4	96.4	89.0
87.5°	40.8	44.5	37.1	37.1	37.1	37.1	33.4	37.1	37.1	37.1	33.4
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°	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9
2.5°	2698.9	2695.2	2695.2	2695.2	2695.2	2691.5	2695.2	2695.2	2698.9	2695.2	2695.2
5°	2684.1	2680.3	2684.1	2680.3	2680.3	2684.1	2684.1	2687.8	2687.8	2691.5	2691.5
7.5°	2661.8	2661.8	2661.8	2661.8	2661.8	2665.5	2665.5	2669.2	2672.9	2672.9	2676.6
10°	2635.9	2635.9	2639.6	2635.9	2639.6	2643.3	2647.0	2650.7	2654.4	2658.1	2658.1
12.5°	2602.5	2602.5	2602.5	2609.9	2609.9	2613.6	2617.3	2624.7	2628.4	2635.9	2635.9
15°	2558.0	2558.0	2565.4	2565.4	2569.1	2576.5	2584.0	2587.7	2595.1	2602.5	2606.2
17.5°	2509.8	2509.8	2517.2	2517.2	2520.9	2532.1	2539.5	2543.2	2558.0	2565.4	2572.8
20°	2454.2	2454.2	2465.3	2461.6	2469.0	2480.2	2487.6	2498.7	2509.8	2520.9	2528.4
22.5°	2387.5	2391.2	2402.3	2402.3	2406.0	2420.8	2432.0	2443.1	2454.2	2469.0	2480.2
25°	2317.0	2320.7	2331.9	2335.6	2339.3	2354.1	2368.9	2376.4	2394.9	2413.4	2420.8
27.5°	2239.2	2246.6	2254.0	2257.7	2265.1	2283.7	2298.5	2313.3	2328.2	2346.7	2361.5
30°	2161.3	2168.7	2176.2	2179.9	2187.3	2205.8	2220.6	2239.2	2257.7	2276.3	2291.1
32.5°	2072.4	2083.5	2090.9	2098.3	2102.0	2124.3	2142.8	2161.3	2179.9	2202.1	2220.6
35°	1987.1	1998.2	2005.6	2009.3	2016.7	2039.0	2053.8	2072.4	2098.3	2120.6	2139.1
37.5°	1894.4	1901.8	1916.7	1916.7	1924.1	1950.0	1968.6	1987.1	2013.0	2035.3	2057.5
40°	1801.7	1805.4	1820.3	1824.0	1831.4	1857.3	1875.9	1901.8	1920.4	1946.3	1968.6
42.5°	1701.6	1712.8	1727.6	1735.0	1742.4	1757.2	1772.1	1801.7	1820.3	1849.9	1872.2
45°	1601.5	1612.7	1620.1	1623.8	1642.3	1657.1	1672.0	1701.6	1723.9	1749.8	1775.8
47.5°	1501.4	1508.9	1520.0	1534.8	1542.2	1557.0	1568.2	1597.8	1620.1	1649.7	1672.0
50°	1397.6	1408.8	1416.2	1419.9	1434.7	1453.2	1468.1	1494.0	1512.6	1542.2	1568.2
52.5°	1293.8	1308.7	1308.7	1323.5	1330.9	1338.3	1360.6	1386.5	1405.1	1431.0	1457.0
55°	1193.7	1201.2	1212.3	1216.0	1227.1	1234.5	1249.3	1275.3	1297.5	1323.5	1349.4
57.5°	1082.5	1089.9	1097.3	1112.2	1119.6	1134.4	1149.3	1167.8	1186.3	1212.3	1230.8
60°	975.0	986.1	993.5	1004.7	1004.7	1023.2	1041.7	1060.3	1075.1	1101.1	1119.6
62.5°	878.6	878.6	878.6	893.4	889.7	904.6	919.4	941.6	956.5	989.8	1012.1
65°	774.8	778.5	778.5	789.6	785.9	800.8	811.9	834.1	849.0	867.5	889.7
67.5°	674.7	674.7	678.4	689.6	685.8	697.0	715.5	726.6	737.7	760.0	778.5
70°	570.9	574.6	578.3	589.5	585.7	600.6	611.7	619.1	633.9	648.8	663.6
72.5°	481.9	481.9	493.1	493.1	489.4	500.5	511.6	519.0	526.4	545.0	563.5
75°	396.7	393.0	400.4	400.4	396.7	400.4	407.8	418.9	426.3	441.2	456.0
77.5°	311.4	307.7	315.1	315.1	315.1	311.4	322.5	326.2	329.9	337.4	352.2
80°	229.9	226.1	233.6	233.6	226.1	229.9	237.3	241.0	241.0	248.4	259.5
82.5°	159.4	155.7	159.4	159.4	159.4	159.4	163.1	159.4	163.1	163.1	174.2
85°	96.4	92.7	96.4	92.7	92.7	89.0	96.4	92.7	92.7	96.4	96.4
87.5°	33.4	33.4	37.1	37.1	33.4	37.1	33.4	33.4	33.4	37.1	33.4
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: P572053

CATALOG NUMBER: 22ID-70-L850-SWR

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9
2.5°	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2702.6	2702.6	2698.9	2702.6	2698.9
5°	2691.5	2691.5	2695.2	2695.2	2695.2	2695.2	2695.2	2698.9	2698.9	2698.9	2695.2
7.5°	2680.3	2680.3	2680.3	2680.3	2684.1	2687.8	2687.8	2687.8	2691.5	2687.8	2687.8
10°	2661.8	2669.2	2669.2	2672.9	2672.9	2676.6	2680.3	2680.3	2680.3	2680.3	2680.3
12.5°	2643.3	2647.0	2650.7	2654.4	2658.1	2658.1	2665.5	2665.5	2665.5	2665.5	2661.8
15°	2613.6	2621.0	2624.7	2628.4	2635.9	2635.9	2643.3	2639.6	2647.0	2643.3	2639.6
17.5°	2580.3	2587.7	2595.1	2595.1	2606.2	2609.9	2617.3	2621.0	2621.0	2617.3	2609.9
20°	2539.5	2550.6	2554.3	2561.7	2569.1	2576.5	2580.3	2584.0	2587.7	2584.0	2580.3
22.5°	2491.3	2506.1	2509.8	2517.2	2528.4	2535.8	2539.5	2543.2	2546.9	2546.9	2539.5
25°	2439.4	2457.9	2457.9	2469.0	2480.2	2491.3	2498.7	2498.7	2506.1	2498.7	2498.7
27.5°	2376.4	2398.6	2409.7	2413.4	2428.3	2439.4	2446.8	2454.2	2454.2	2446.8	2446.8
30°	2313.3	2335.6	2346.7	2350.4	2368.9	2380.1	2387.5	2394.9	2394.9	2394.9	2387.5
32.5°	2242.9	2268.8	2280.0	2283.7	2305.9	2317.0	2328.2	2335.6	2335.6	2331.9	2320.7
35°	2168.7	2187.3	2205.8	2213.2	2231.8	2242.9	2261.4	2268.8	2265.1	2265.1	2254.0
37.5°	2083.5	2113.1	2124.3	2131.7	2153.9	2168.7	2187.3	2194.7	2194.7	2191.0	2183.6
40°	1994.5	2027.9	2039.0	2050.1	2072.4	2090.9	2102.0	2113.1	2113.1	2113.1	2105.7
42.5°	1905.5	1931.5	1946.3	1957.4	1983.4	1994.5	2013.0	2027.9	2027.9	2024.2	2013.0
45°	1805.4	1835.1	1849.9	1861.0	1887.0	1909.2	1920.4	1935.2	1931.5	1931.5	1916.7
47.5°	1705.3	1735.0	1749.8	1760.9	1786.9	1812.8	1820.3	1835.1	1835.1	1835.1	1820.3
50°	1601.5	1631.2	1642.3	1653.4	1683.1	1697.9	1716.5	1731.3	1731.3	1735.0	1720.2
52.5°	1494.0	1516.3	1534.8	1542.2	1571.9	1590.4	1605.2	1623.8	1623.8	1616.4	1616.4
55°	1379.1	1405.1	1423.6	1431.0	1453.2	1482.9	1494.0	1508.9	1508.9	1508.9	1501.4
57.5°	1264.2	1293.8	1308.7	1316.1	1342.0	1364.3	1379.1	1393.9	1397.6	1397.6	1382.8
60°	1145.5	1175.2	1190.0	1197.4	1227.1	1245.6	1260.5	1275.3	1279.0	1282.7	1267.9
62.5°	1034.3	1060.3	1075.1	1082.5	1104.8	1119.6	1138.1	1156.7	1160.4	1160.4	1153.0
65°	912.0	937.9	949.1	956.5	975.0	1001.0	1023.2	1038.0	1041.7	1038.0	1038.0
67.5°	797.1	819.3	834.1	837.8	856.4	882.3	893.4	908.3	912.0	912.0	908.3
70°	682.1	708.1	719.2	726.6	741.5	763.7	774.8	789.6	793.4	797.1	789.6
72.5°	574.6	593.2	604.3	611.7	630.2	648.8	656.2	671.0	678.4	678.4	671.0
75°	467.1	485.7	493.1	500.5	515.3	533.8	541.3	556.1	563.5	559.8	559.8
77.5°	363.3	378.1	385.6	389.3	400.4	422.6	426.3	441.2	441.2	444.9	444.9
80°	266.9	278.0	285.5	289.2	296.6	311.4	318.8	329.9	337.4	333.7	333.7
82.5°	177.9	185.4	192.8	200.2	200.2	215.0	215.0	226.1	226.1	233.6	229.9
85°	100.1	103.8	107.5	111.2	111.2	122.3	122.3	129.8	137.2	129.8	129.8
87.5°	33.4	37.1	37.1	40.8	37.1	44.5	40.8	48.2	51.9	51.9	48.2
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: P572053

CATALOG NUMBER: 22ID-70-L850-SWR

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9
2.5°	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9
5°	2695.2	2695.2	2691.5	2695.2	2695.2	2695.2	2695.2	2691.5	2691.5	2691.5	2691.5
7.5°	2687.8	2684.1	2684.1	2684.1	2680.3	2680.3	2680.3	2680.3	2676.6	2676.6	2676.6
10°	2676.6	2672.9	2672.9	2672.9	2669.2	2669.2	2665.5	2661.8	2661.8	2658.1	2654.4
12.5°	2661.8	2658.1	2654.4	2654.4	2650.7	2647.0	2643.3	2639.6	2635.9	2628.4	2628.4
15°	2635.9	2635.9	2632.2	2628.4	2621.0	2621.0	2613.6	2609.9	2602.5	2595.1	2595.1
17.5°	2609.9	2606.2	2602.5	2595.1	2587.7	2584.0	2576.5	2569.1	2561.7	2554.3	2550.6
20°	2576.5	2565.4	2569.1	2558.0	2550.6	2543.2	2532.1	2524.6	2513.5	2506.1	2498.7
22.5°	2532.1	2528.4	2524.6	2513.5	2502.4	2498.7	2480.2	2469.0	2457.9	2446.8	2439.4
25°	2483.9	2480.2	2476.4	2465.3	2450.5	2443.1	2424.5	2413.4	2394.9	2387.5	2380.1
27.5°	2428.3	2428.3	2420.8	2406.0	2394.9	2376.4	2365.2	2343.0	2328.2	2317.0	2309.6
30°	2368.9	2368.9	2361.5	2343.0	2328.2	2309.6	2298.5	2276.3	2257.7	2246.6	2231.8
32.5°	2309.6	2305.9	2298.5	2280.0	2261.4	2242.9	2220.6	2202.1	2179.9	2168.7	2153.9
35°	2239.2	2235.5	2228.1	2205.8	2191.0	2168.7	2142.8	2120.6	2098.3	2087.2	2064.9
37.5°	2165.0	2157.6	2150.2	2124.3	2105.7	2083.5	2064.9	2035.3	2013.0	1998.2	1987.1
40°	2083.5	2079.8	2068.7	2046.4	2020.5	1998.2	1972.3	1950.0	1927.8	1909.2	1894.4
42.5°	2001.9	1987.1	1979.7	1957.4	1938.9	1905.5	1887.0	1857.3	1835.1	1820.3	1798.0
45°	1909.2	1898.1	1887.0	1864.8	1838.8	1812.8	1794.3	1760.9	1738.7	1720.2	1701.6
47.5°	1805.4	1801.7	1790.6	1764.7	1742.4	1716.5	1694.2	1660.9	1638.6	1623.8	1605.2
50°	1701.6	1697.9	1690.5	1664.6	1634.9	1612.7	1594.1	1560.8	1538.5	1516.3	1505.1
52.5°	1605.2	1590.4	1583.0	1560.8	1531.1	1505.1	1490.3	1457.0	1434.7	1412.5	1397.6
55°	1494.0	1482.9	1475.5	1457.0	1431.0	1397.6	1382.8	1353.1	1334.6	1319.8	1297.5
57.5°	1382.8	1368.0	1360.6	1338.3	1319.8	1293.8	1275.3	1245.6	1227.1	1212.3	1197.4
60°	1256.8	1256.8	1249.3	1227.1	1208.6	1182.6	1167.8	1138.1	1119.6	1108.5	1089.9
62.5°	1153.0	1138.1	1134.4	1108.5	1097.3	1071.4	1060.3	1034.3	1023.2	1004.7	986.1
65°	1023.2	1023.2	1019.5	1004.7	989.8	956.5	941.6	919.4	908.3	893.4	878.6
67.5°	908.3	897.2	897.2	882.3	863.8	845.3	834.1	811.9	804.5	785.9	774.8
70°	793.4	782.2	782.2	763.7	752.6	734.0	726.6	708.1	693.3	685.8	674.7
72.5°	678.4	671.0	667.3	652.5	645.1	626.5	622.8	604.3	589.5	585.7	574.6
75°	563.5	556.1	545.0	548.7	533.8	519.0	515.3	504.2	496.8	485.7	474.5
77.5°	448.6	441.2	441.2	433.7	426.3	415.2	411.5	404.1	393.0	385.6	378.1
80°	341.1	333.7	333.7	329.9	318.8	311.4	311.4	300.3	300.3	292.9	289.2
82.5°	233.6	229.9	226.1	229.9	222.4	215.0	218.7	215.0	211.3	203.9	200.2
85°	137.2	133.5	129.8	137.2	129.8	133.5	129.8	126.0	126.0	122.3	118.6
87.5°	51.9	51.9	48.2	51.9	51.9	55.6	51.9	51.9	51.9	51.9	51.9
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: P572053

CATALOG NUMBER: 22ID-70-L850-SWR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9
2.5°	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9
5°	2691.5	2691.5	2691.5	2691.5	2691.5	2691.5	2691.5	2691.5	2691.5	2687.8	2691.5
7.5°	2676.6	2672.9	2676.6	2672.9	2672.9	2672.9	2672.9	2672.9	2672.9	2672.9	2672.9
10°	2654.4	2654.4	2654.4	2654.4	2654.4	2654.4	2654.4	2654.4	2654.4	2650.7	2650.7
12.5°	2628.4	2628.4	2624.7	2624.7	2624.7	2621.0	2621.0	2624.7	2624.7	2621.0	2624.7
15°	2591.4	2595.1	2587.7	2584.0	2584.0	2584.0	2584.0	2584.0	2584.0	2584.0	2587.7
17.5°	2550.6	2546.9	2543.2	2543.2	2539.5	2535.8	2535.8	2539.5	2539.5	2543.2	2543.2
20°	2498.7	2498.7	2491.3	2487.6	2483.9	2480.2	2480.2	2483.9	2483.9	2483.9	2491.3
22.5°	2439.4	2435.7	2428.3	2424.5	2424.5	2417.1	2420.8	2424.5	2424.5	2424.5	2428.3
25°	2372.6	2368.9	2365.2	2361.5	2354.1	2350.4	2350.4	2357.8	2357.8	2365.2	2368.9
27.5°	2302.2	2298.5	2291.1	2283.7	2280.0	2276.3	2276.3	2283.7	2283.7	2291.1	2294.8
30°	2228.1	2224.4	2213.2	2209.5	2198.4	2194.7	2198.4	2205.8	2209.5	2213.2	2216.9
32.5°	2150.2	2142.8	2131.7	2128.0	2116.8	2120.6	2113.1	2124.3	2128.0	2131.7	2135.4
35°	2064.9	2057.5	2046.4	2035.3	2031.6	2027.9	2027.9	2035.3	2035.3	2046.4	2050.1
37.5°	1972.3	1968.6	1957.4	1950.0	1942.6	1942.6	1935.2	1946.3	1950.0	1957.4	1957.4
40°	1887.0	1883.3	1864.8	1857.3	1849.9	1853.6	1842.5	1853.6	1857.3	1864.8	1868.5
42.5°	1786.9	1783.2	1768.4	1760.9	1753.5	1757.2	1746.1	1757.2	1753.5	1764.7	1768.4
45°	1690.5	1686.8	1675.7	1660.9	1653.4	1657.1	1657.1	1657.1	1653.4	1664.6	1668.3
47.5°	1594.1	1586.7	1575.6	1560.8	1553.3	1557.0	1557.0	1557.0	1553.3	1568.2	1568.2
50°	1494.0	1486.6	1475.5	1460.7	1457.0	1457.0	1457.0	1457.0	1457.0	1464.4	1468.1
52.5°	1390.2	1386.5	1375.4	1360.6	1353.1	1353.1	1353.1	1345.7	1353.1	1356.9	1360.6
55°	1286.4	1282.7	1264.2	1256.8	1249.3	1253.1	1249.3	1245.6	1245.6	1253.1	1256.8
57.5°	1182.6	1178.9	1167.8	1164.1	1145.5	1149.3	1145.5	1145.5	1149.3	1149.3	1153.0
60°	1078.8	1075.1	1064.0	1060.3	1045.4	1049.2	1034.3	1041.7	1045.4	1045.4	1045.4
62.5°	967.6	967.6	949.1	941.6	934.2	937.9	926.8	926.8	926.8	934.2	934.2
65°	867.5	863.8	849.0	841.5	834.1	834.1	826.7	826.7	823.0	830.4	830.4
67.5°	763.7	763.7	748.9	741.5	734.0	737.7	726.6	726.6	730.3	730.3	730.3
70°	663.6	663.6	652.5	648.8	637.6	637.6	626.5	630.2	630.2	630.2	630.2
72.5°	567.2	567.2	556.1	552.4	541.3	541.3	530.1	533.8	533.8	530.1	530.1
75°	470.8	474.5	456.0	452.3	444.9	448.6	441.2	437.5	441.2	433.7	433.7
77.5°	374.4	374.4	370.7	367.0	355.9	355.9	352.2	344.8	348.5	341.1	341.1
80°	281.8	285.5	274.3	278.0	266.9	270.6	266.9	259.5	259.5	255.8	252.1
82.5°	196.5	196.5	192.8	196.5	192.8	189.1	185.4	181.7	181.7	174.2	174.2
85°	118.6	122.3	114.9	118.6	118.6	114.9	107.5	107.5	107.5	103.8	103.8
87.5°	48.2	55.6	51.9	51.9	51.9	51.9	48.2	51.9	48.2	44.5	44.5
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: P572053

CATALOG NUMBER: 22ID-70-L850-SWR

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9
2.5°	2695.2	2698.9	2698.9	2698.9	2698.9	2695.2	2695.2	2695.2	2695.2	2695.2	2698.9
5°	2687.8	2691.5	2691.5	2691.5	2691.5	2691.5	2691.5	2691.5	2691.5	2691.5	2691.5
7.5°	2672.9	2672.9	2676.6	2676.6	2676.6	2676.6	2680.3	2676.6	2680.3	2676.6	2680.3
10°	2650.7	2654.4	2658.1	2658.1	2661.8	2658.1	2661.8	2661.8	2665.5	2665.5	2665.5
12.5°	2624.7	2628.4	2628.4	2635.9	2635.9	2635.9	2639.6	2639.6	2643.3	2647.0	2647.0
15°	2587.7	2591.4	2595.1	2595.1	2602.5	2609.9	2609.9	2613.6	2617.3	2621.0	2621.0
17.5°	2543.2	2546.9	2550.6	2558.0	2565.4	2572.8	2576.5	2576.5	2584.0	2587.7	2587.7
20°	2491.3	2498.7	2506.1	2513.5	2517.2	2528.4	2532.1	2535.8	2543.2	2550.6	2550.6
22.5°	2435.7	2439.4	2450.5	2457.9	2465.3	2476.4	2480.2	2491.3	2498.7	2502.4	2506.1
25°	2368.9	2376.4	2387.5	2394.9	2402.3	2417.1	2428.3	2435.7	2446.8	2454.2	2454.2
27.5°	2294.8	2305.9	2317.0	2324.5	2335.6	2354.1	2365.2	2372.6	2387.5	2394.9	2398.6
30°	2220.6	2228.1	2242.9	2254.0	2265.1	2283.7	2298.5	2309.6	2324.5	2331.9	2335.6
32.5°	2139.1	2150.2	2165.0	2176.2	2191.0	2209.5	2224.4	2235.5	2257.7	2261.4	2265.1
35°	2053.8	2064.9	2076.1	2094.6	2109.4	2128.0	2146.5	2161.3	2172.5	2187.3	2191.0
37.5°	1964.8	1976.0	1990.8	2005.6	2020.5	2042.7	2061.2	2072.4	2090.9	2102.0	2109.4
40°	1872.2	1883.3	1901.8	1920.4	1931.5	1953.7	1972.3	1987.1	2013.0	2020.5	2020.5
42.5°	1772.1	1786.9	1798.0	1820.3	1831.4	1857.3	1875.9	1898.1	1912.9	1924.1	1927.8
45°	1675.7	1686.8	1709.0	1723.9	1735.0	1760.9	1779.5	1798.0	1816.6	1824.0	1831.4
47.5°	1571.9	1586.7	1605.2	1612.7	1631.2	1657.1	1675.7	1694.2	1716.5	1723.9	1727.6
50°	1471.8	1482.9	1494.0	1508.9	1523.7	1549.6	1571.9	1590.4	1609.0	1616.4	1620.1
52.5°	1368.0	1379.1	1390.2	1408.8	1416.2	1442.1	1453.2	1471.8	1497.7	1505.1	1508.9
55°	1260.5	1275.3	1290.1	1301.2	1308.7	1330.9	1345.7	1368.0	1382.8	1390.2	1397.6
57.5°	1153.0	1164.1	1178.9	1193.7	1197.4	1219.7	1238.2	1249.3	1267.9	1275.3	1282.7
60°	1049.2	1060.3	1071.4	1075.1	1086.2	1108.5	1127.0	1134.4	1153.0	1160.4	1164.1
62.5°	937.9	941.6	956.5	967.6	967.6	997.3	1008.4	1023.2	1038.0	1041.7	1049.2
65°	834.1	841.5	841.5	849.0	860.1	878.6	886.0	904.6	915.7	919.4	923.1
67.5°	730.3	737.7	745.2	752.6	752.6	771.1	774.8	789.6	800.8	804.5	808.2
70°	630.2	630.2	641.4	648.8	645.1	659.9	667.3	674.7	689.6	693.3	697.0
72.5°	533.8	530.1	537.6	545.0	552.4	556.1	563.5	567.2	578.3	585.7	589.5
75°	437.5	441.2	441.2	444.9	441.2	444.9	456.0	467.1	474.5	478.2	485.7
77.5°	341.1	344.8	344.8	348.5	352.2	352.2	355.9	370.7	378.1	381.8	378.1
80°	252.1	255.8	255.8	259.5	263.2	266.9	266.9	274.3	285.5	289.2	289.2
82.5°	177.9	177.9	177.9	177.9	181.7	181.7	185.4	192.8	200.2	200.2	207.6
85°	107.5	107.5	103.8	107.5	103.8	107.5	111.2	118.6	122.3	122.3	126.0
87.5°	48.2	44.5	48.2	48.2	44.5	44.5	44.5	48.2	48.2	51.9	51.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: 22ID-70-L850-SWR

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2698.9	2698.9	2698.9	2698.9
2.5°	2698.9	2698.9	2698.9	2698.9
5°	2691.5	2691.5	2691.5	2691.5
7.5°	2680.3	2680.3	2680.3	2680.3
10°	2665.5	2669.2	2669.2	2669.2
12.5°	2647.0	2647.0	2650.7	2650.7
15°	2624.7	2624.7	2624.7	2628.4
17.5°	2591.4	2595.1	2595.1	2595.1
20°	2554.3	2558.0	2558.0	2554.3
22.5°	2506.1	2509.8	2513.5	2513.5
25°	2457.9	2465.3	2469.0	2469.0
27.5°	2402.3	2409.7	2413.4	2413.4
30°	2343.0	2350.4	2350.4	2350.4
32.5°	2272.5	2283.7	2287.4	2287.4
35°	2198.4	2213.2	2216.9	2216.9
37.5°	2120.6	2128.0	2139.1	2139.1
40°	2035.3	2042.7	2053.8	2053.8
42.5°	1942.6	1957.4	1957.4	1964.8
45°	1842.5	1857.3	1861.0	1868.5
47.5°	1742.4	1757.2	1760.9	1764.7
50°	1634.9	1646.0	1657.1	1657.1
52.5°	1527.4	1534.8	1542.2	1549.6
55°	1412.5	1423.6	1427.3	1434.7
57.5°	1293.8	1308.7	1312.4	1319.8
60°	1178.9	1190.0	1197.4	1201.2
62.5°	1064.0	1071.4	1075.1	1082.5
65°	937.9	949.1	949.1	956.5
67.5°	823.0	830.4	834.1	837.8
70°	700.7	715.5	719.2	726.6
72.5°	593.2	608.0	608.0	615.4
75°	496.8	500.5	500.5	507.9
77.5°	393.0	396.7	400.4	404.1
80°	296.6	300.3	300.3	307.7
82.5°	211.3	211.3	211.3	215.0
85°	129.8	126.0	122.3	126.0
87.5°	51.9	51.9	55.6	48.2
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P572053

CATALOG NUMBER: 22ID-70-L850-SWR

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	18.80	20.43	19.17	20.74	21.06	17.69	19.31	18.05	19.63	19.94
	3H	20.55	22.02	20.93	22.35	22.71	19.30	20.77	19.68	21.10	21.46
	4H	21.21	22.60	21.61	22.94	23.32	19.90	21.28	20.29	21.63	22.00
	6H	21.70	22.99	22.11	23.35	23.74	20.33	21.61	20.74	21.98	22.37
	8H	21.86	23.09	22.29	23.48	23.87	20.46	21.69	20.89	22.08	22.47
	12H	21.96	23.13	22.39	23.52	23.94	20.54	21.72	20.97	22.10	22.53
4H	2H	19.29	20.67	19.68	21.02	21.39	18.38	19.77	18.78	20.12	20.49
	3H	21.26	22.42	21.67	22.82	23.22	20.21	21.37	20.62	21.77	22.17
	4H	22.06	23.11	22.49	23.52	23.96	20.92	21.97	21.35	22.38	22.81
	6H	22.69	23.61	23.14	24.05	24.50	21.46	22.38	21.91	22.82	23.27
	8H	22.90	23.76	23.36	24.20	24.67	21.63	22.49	22.09	22.93	23.40
	12H	23.05	23.82	23.53	24.29	24.76	21.75	22.52	22.23	22.99	23.46
8H	4H	22.29	23.15	22.75	23.59	24.06	21.26	22.12	21.72	22.56	23.03
	6H	23.04	23.75	23.53	24.24	24.71	21.92	22.63	22.41	23.12	23.59
	8H	23.32	23.96	23.83	24.47	24.95	22.15	22.79	22.66	23.30	23.78
	12H	23.54	24.11	24.05	24.60	25.16	22.33	22.90	22.84	23.39	23.95
12H	4H	22.31	23.08	22.79	23.56	24.03	21.31	22.08	21.79	22.55	23.02
	6H	23.07	23.71	23.58	24.22	24.70	21.98	22.62	22.49	23.13	23.61
	8H	23.41	23.97	23.91	24.46	25.02	22.27	22.84	22.78	23.33	23.89