

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: P572049

Luminaire Tested: 22ID-70-L840-SWR

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P572049
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-L840-SWR
Description: 7000 LUMEN, 2X2 INDEPTH TROFFER WITH 2IN REGRESSED SWEEP LENS AND 4000K, 80 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7245.0 lumens
Efficiency: N/A
Efficacy: 118.6 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

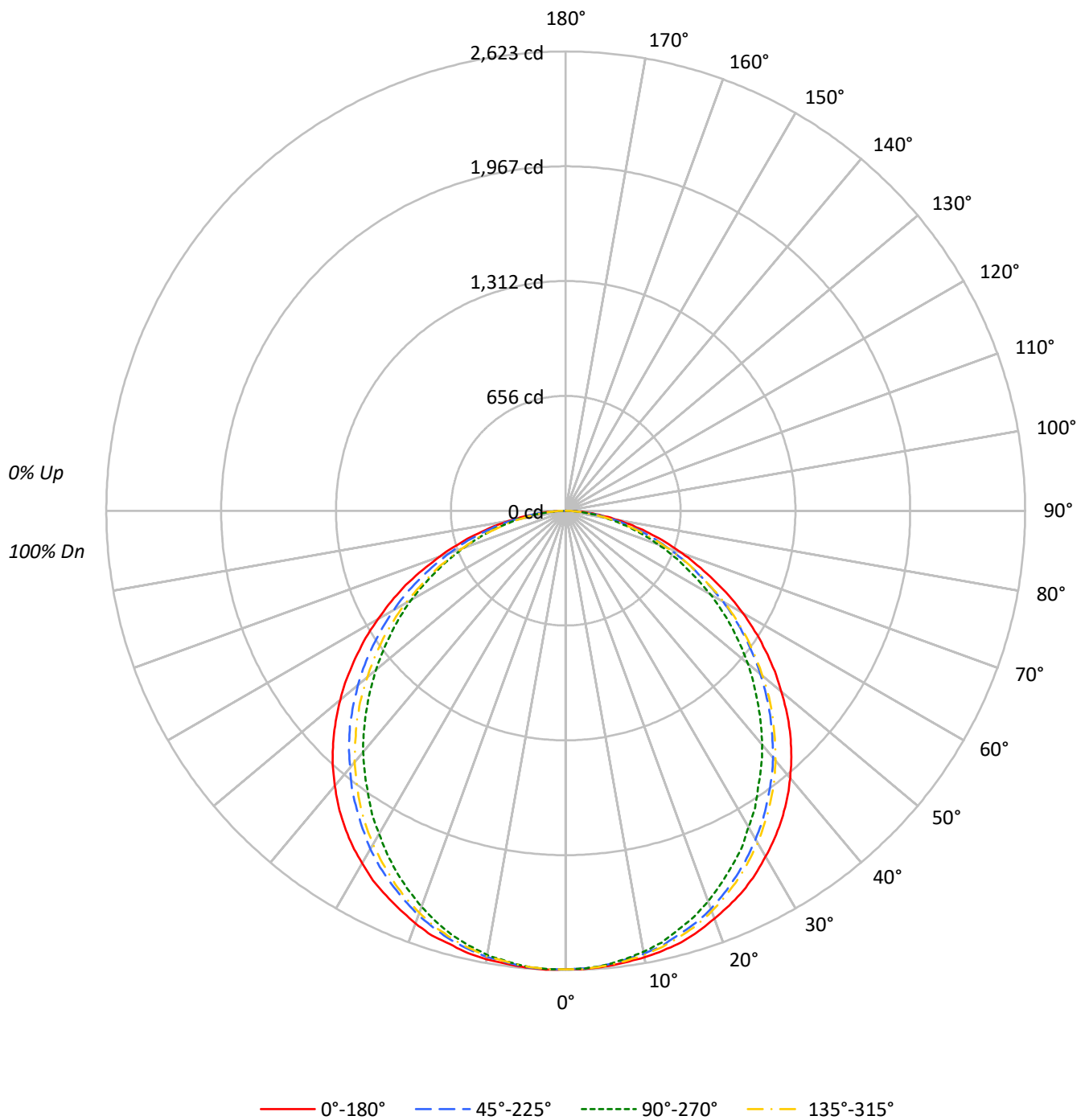
Input Watts (W): 61.1
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
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°	7050	7050	7050	7050
5°	7057	7038	7076	7057
10°	7080	6991	7109	7040
15°	7108	6907	7138	6987
20°	7100	6801	7182	6894
25°	7116	6657	7201	6774
30°	7089	6485	7223	6619
35°	7069	6301	7235	6466
40°	7003	6131	7205	6320
45°	6902	5902	7148	6121
50°	6734	5679	7035	5920
55°	6533	5419	6871	5706
60°	6275	5132	6662	5481
65°	5911	4766	6416	5156
70°	5549	4417	6031	4869
75°	5126	4003	5612	4527
80°	4629	3513	4964	4071
85°	3776	2890	3887	3446

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 7148 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.1	3.4
10°-20°	712.0	9.8
20°-30°	1074.7	14.8
30°-40°	1283.1	17.7
40°-50°	1309.2	18.1
50°-60°	1154.6	15.9
60°-70°	853.3	11.8
70°-80°	481.1	6.6
80°-90°	128.8	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°	2034.8	28.1
0°-40°	3317.9	45.8
0°-60°	5781.7	79.8
0°-90°	7245.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7245.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2620	2620	2620	2620	2620	
5°	2612	2605	2620	2612	2612	249
15°	2551	2479	2562	2508	2551	720
25°	2397	2242	2425	2281	2397	1104
35°	2152	1918	2202	1968	2152	1345
45°	1814	1551	1878	1608	1814	1397
55°	1393	1155	1465	1216	1393	1244
65°	928	748	1008	810	928	922
75°	493	385	540	435	493	523
85°	122	94	126	112	122	143
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°	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7
2.5°	2619.7	2619.7	2619.7	2619.7	2616.1	2612.5	2612.5	2616.1	2616.1	2612.5	2616.1
5°	2612.5	2612.5	2612.5	2608.9	2605.3	2605.3	2605.3	2605.3	2601.7	2605.3	2605.3
7.5°	2601.7	2601.7	2601.7	2598.1	2594.5	2594.5	2594.5	2590.9	2587.3	2590.9	2587.3
10°	2590.9	2587.3	2587.3	2587.3	2580.1	2576.5	2576.5	2576.5	2572.9	2572.9	2569.3
12.5°	2572.9	2569.3	2569.3	2565.7	2562.1	2558.5	2554.9	2551.3	2547.7	2544.1	2544.1
15°	2551.3	2551.3	2544.1	2540.5	2533.3	2529.7	2526.1	2522.5	2515.3	2511.7	2504.5
17.5°	2518.9	2518.9	2511.7	2508.1	2500.9	2493.7	2493.7	2486.6	2479.4	2472.2	2468.6
20°	2479.4	2483.0	2479.4	2472.2	2461.4	2457.8	2454.2	2447.0	2436.2	2429.0	2421.8
22.5°	2439.8	2443.4	2436.2	2425.4	2418.2	2414.6	2407.4	2396.6	2385.8	2375.0	2364.2
25°	2396.6	2393.0	2385.8	2378.6	2367.8	2364.2	2357.0	2346.2	2328.2	2317.4	2303.0
27.5°	2342.6	2342.6	2331.8	2324.6	2306.6	2306.6	2295.8	2281.4	2267.0	2249.1	2238.3
30°	2281.4	2281.4	2274.2	2263.4	2245.5	2241.9	2231.1	2220.3	2198.7	2180.7	2166.3
32.5°	2220.3	2216.7	2209.5	2198.7	2180.7	2173.5	2162.7	2148.3	2130.3	2105.1	2094.3
35°	2151.9	2148.3	2137.5	2123.1	2108.7	2101.5	2090.7	2072.7	2054.7	2029.5	2011.6
37.5°	2076.3	2072.7	2061.9	2047.5	2029.5	2022.3	2011.6	1993.6	1968.4	1950.4	1928.8
40°	1993.6	1990.0	1982.8	1968.4	1950.4	1943.2	1928.8	1910.8	1882.0	1860.4	1842.4
42.5°	1907.2	1903.6	1892.8	1874.8	1860.4	1853.2	1838.8	1820.8	1795.6	1770.5	1745.3
45°	1813.6	1810.0	1799.2	1777.7	1766.9	1756.1	1741.7	1723.7	1702.1	1680.5	1651.7
47.5°	1712.9	1709.3	1702.1	1684.1	1662.5	1658.9	1644.5	1626.5	1601.3	1572.5	1550.9
50°	1608.5	1608.5	1597.7	1583.3	1568.9	1558.1	1543.7	1525.8	1493.4	1475.4	1450.2
52.5°	1504.2	1500.6	1493.4	1475.4	1464.6	1453.8	1435.8	1425.0	1392.6	1378.2	1349.4
55°	1392.6	1389.0	1374.6	1363.8	1356.6	1345.8	1331.4	1309.8	1291.9	1270.3	1245.1
57.5°	1281.1	1277.5	1266.7	1259.5	1245.1	1234.3	1219.9	1205.5	1180.3	1165.9	1140.7
60°	1165.9	1165.9	1158.7	1147.9	1133.5	1122.7	1111.9	1097.5	1075.9	1054.4	1036.4
62.5°	1050.8	1050.8	1040.0	1029.2	1022.0	1011.2	1004.0	986.0	968.0	953.6	924.8
65°	928.4	928.4	914.0	910.4	903.2	896.0	885.2	867.2	856.4	831.2	820.5
67.5°	813.3	816.9	806.1	806.1	795.3	788.1	777.3	762.9	752.1	730.5	719.7
70°	705.3	708.9	701.7	698.1	687.3	680.1	672.9	662.1	647.7	640.5	622.5
72.5°	597.3	600.9	593.7	593.7	583.0	579.4	572.2	565.0	550.6	543.4	525.4
75°	493.0	489.4	489.4	493.0	482.2	478.6	475.0	460.6	453.4	446.2	431.8
77.5°	392.2	392.2	395.8	392.2	385.0	381.4	374.2	363.4	359.8	356.2	341.9
80°	298.7	302.3	302.3	298.7	291.5	287.9	284.3	273.5	269.9	269.9	259.1
82.5°	208.7	208.7	205.1	208.7	201.5	197.9	201.5	190.7	187.1	187.1	179.9
85°	122.3	118.7	118.7	122.3	118.7	118.7	118.7	111.6	111.6	111.6	104.4
87.5°	46.8	46.8	50.4	50.4	46.8	46.8	46.8	46.8	43.2	43.2	39.6
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°	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7
2.5°	2612.5	2612.5	2612.5	2612.5	2616.1	2612.5	2616.1	2616.1	2619.7	2616.1	2619.7
5°	2605.3	2605.3	2601.7	2601.7	2601.7	2601.7	2601.7	2601.7	2601.7	2605.3	2605.3
7.5°	2587.3	2587.3	2583.7	2583.7	2583.7	2583.7	2580.1	2580.1	2583.7	2583.7	2583.7
10°	2565.7	2562.1	2558.5	2558.5	2558.5	2558.5	2554.9	2558.5	2558.5	2558.5	2558.5
12.5°	2533.3	2533.3	2529.7	2526.1	2526.1	2526.1	2522.5	2526.1	2526.1	2526.1	2526.1
15°	2500.9	2497.3	2493.7	2486.6	2486.6	2483.0	2479.4	2483.0	2479.4	2479.4	2483.0
17.5°	2454.2	2454.2	2447.0	2443.4	2439.8	2436.2	2432.6	2432.6	2432.6	2432.6	2439.8
20°	2407.4	2403.8	2396.6	2382.2	2385.8	2382.2	2375.0	2378.6	2378.6	2375.0	2375.0
22.5°	2357.0	2342.6	2335.4	2321.0	2324.6	2317.4	2313.8	2317.4	2313.8	2310.2	2317.4
25°	2288.6	2281.4	2263.4	2263.4	2256.2	2252.7	2252.7	2249.1	2245.5	2241.9	2249.1
27.5°	2227.5	2213.1	2202.3	2187.9	2180.7	2180.7	2177.1	2173.5	2166.3	2173.5	2173.5
30°	2151.9	2137.5	2119.5	2112.3	2105.1	2105.1	2097.9	2094.3	2087.1	2087.1	2097.9
32.5°	2079.9	2058.3	2040.3	2029.5	2025.9	2022.3	2018.7	2004.4	2008.0	2011.6	2015.2
35°	1993.6	1975.6	1961.2	1950.4	1939.6	1936.0	1932.4	1921.6	1921.6	1918.0	1928.8
37.5°	1910.8	1889.2	1878.4	1860.4	1853.2	1846.0	1842.4	1835.2	1831.6	1835.2	1838.8
40°	1820.8	1802.8	1784.8	1766.9	1759.7	1756.1	1745.3	1745.3	1738.1	1745.3	1745.3
42.5°	1727.3	1709.3	1687.7	1673.3	1666.1	1658.9	1651.7	1648.1	1648.1	1648.1	1651.7
45°	1633.7	1612.1	1590.5	1576.1	1568.9	1565.3	1554.5	1550.9	1543.7	1550.9	1554.5
47.5°	1533.0	1515.0	1493.4	1482.6	1471.8	1468.2	1457.4	1450.2	1446.6	1453.8	1453.8
50°	1432.2	1414.2	1396.2	1381.8	1371.0	1367.4	1356.6	1356.6	1349.4	1356.6	1356.6
52.5°	1331.4	1313.4	1295.5	1277.5	1270.3	1266.7	1255.9	1255.9	1255.9	1255.9	1255.9
55°	1230.7	1205.5	1194.7	1176.7	1169.5	1165.9	1162.3	1151.5	1155.1	1155.1	1155.1
57.5°	1126.3	1108.3	1086.7	1079.5	1068.7	1065.2	1065.2	1050.8	1047.2	1054.4	1054.4
60°	1022.0	1007.6	986.0	975.2	968.0	968.0	957.2	942.8	939.2	953.6	953.6
62.5°	914.0	892.4	881.6	870.8	863.6	860.0	856.4	845.6	849.2	845.6	845.6
65°	813.3	791.7	784.5	773.7	766.5	762.9	759.3	752.1	744.9	748.5	748.5
67.5°	712.5	694.5	683.7	676.5	669.3	669.3	662.1	654.9	658.5	654.9	654.9
70°	615.3	600.9	586.6	583.0	575.8	575.8	572.2	568.6	565.0	561.4	561.4
72.5°	521.8	507.4	496.6	489.4	485.8	485.8	482.2	471.4	475.0	471.4	471.4
75°	424.6	413.8	410.2	403.0	399.4	399.4	395.8	388.6	392.2	385.0	377.8
77.5°	338.3	327.5	323.9	320.3	323.9	320.3	309.5	313.1	309.5	302.3	302.3
80°	259.1	248.3	248.3	241.1	237.5	237.5	233.9	233.9	230.3	226.7	226.7
82.5°	176.3	172.7	169.1	165.5	161.9	169.1	161.9	158.3	158.3	158.3	154.7
85°	100.8	100.8	97.2	97.2	93.6	97.2	93.6	90.0	93.6	93.6	86.4
87.5°	39.6	43.2	36.0	36.0	36.0	36.0	32.4	36.0	36.0	36.0	32.4
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°	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7
2.5°	2619.7	2616.1	2616.1	2616.1	2616.1	2612.5	2616.1	2616.1	2619.7	2616.1	2616.1
5°	2605.3	2601.7	2605.3	2601.7	2601.7	2605.3	2605.3	2608.9	2608.9	2612.5	2612.5
7.5°	2583.7	2583.7	2583.7	2583.7	2583.7	2587.3	2587.3	2590.9	2594.5	2594.5	2598.1
10°	2558.5	2558.5	2562.1	2558.5	2562.1	2565.7	2569.3	2572.9	2576.5	2580.1	2580.1
12.5°	2526.1	2526.1	2526.1	2533.3	2533.3	2536.9	2540.5	2547.7	2551.3	2558.5	2558.5
15°	2483.0	2483.0	2490.2	2490.2	2493.7	2500.9	2508.1	2511.7	2518.9	2526.1	2529.7
17.5°	2436.2	2436.2	2443.4	2443.4	2447.0	2457.8	2465.0	2468.6	2483.0	2490.2	2497.3
20°	2382.2	2382.2	2393.0	2389.4	2396.6	2407.4	2414.6	2425.4	2436.2	2447.0	2454.2
22.5°	2317.4	2321.0	2331.8	2331.8	2335.4	2349.8	2360.6	2371.4	2382.2	2396.6	2407.4
25°	2249.1	2252.7	2263.4	2267.0	2270.6	2285.0	2299.4	2306.6	2324.6	2342.6	2349.8
27.5°	2173.5	2180.7	2187.9	2191.5	2198.7	2216.7	2231.1	2245.5	2259.8	2277.8	2292.2
30°	2097.9	2105.1	2112.3	2115.9	2123.1	2141.1	2155.5	2173.5	2191.5	2209.5	2223.9
32.5°	2011.6	2022.3	2029.5	2036.7	2040.3	2061.9	2079.9	2097.9	2115.9	2137.5	2155.5
35°	1928.8	1939.6	1946.8	1950.4	1957.6	1979.2	1993.6	2011.6	2036.7	2058.3	2076.3
37.5°	1838.8	1846.0	1860.4	1860.4	1867.6	1892.8	1910.8	1928.8	1954.0	1975.6	1997.2
40°	1748.9	1752.5	1766.9	1770.5	1777.7	1802.8	1820.8	1846.0	1864.0	1889.2	1910.8
42.5°	1651.7	1662.5	1676.9	1684.1	1691.3	1705.7	1720.1	1748.9	1766.9	1795.6	1817.2
45°	1554.5	1565.3	1572.5	1576.1	1594.1	1608.5	1622.9	1651.7	1673.3	1698.5	1723.7
47.5°	1457.4	1464.6	1475.4	1489.8	1497.0	1511.4	1522.2	1550.9	1572.5	1601.3	1622.9
50°	1356.6	1367.4	1374.6	1378.2	1392.6	1410.6	1425.0	1450.2	1468.2	1497.0	1522.2
52.5°	1255.9	1270.3	1270.3	1284.7	1291.9	1299.1	1320.6	1345.8	1363.8	1389.0	1414.2
55°	1158.7	1165.9	1176.7	1180.3	1191.1	1198.3	1212.7	1237.9	1259.5	1284.7	1309.8
57.5°	1050.8	1058.0	1065.2	1079.5	1086.7	1101.1	1115.5	1133.5	1151.5	1176.7	1194.7
60°	946.4	957.2	964.4	975.2	975.2	993.2	1011.2	1029.2	1043.6	1068.7	1086.7
62.5°	852.8	852.8	852.8	867.2	863.6	878.0	892.4	914.0	928.4	960.8	982.4
65°	752.1	755.7	755.7	766.5	762.9	777.3	788.1	809.7	824.1	842.0	863.6
67.5°	654.9	654.9	658.5	669.3	665.7	676.5	694.5	705.3	716.1	737.7	755.7
70°	554.2	557.8	561.4	572.2	568.6	583.0	593.7	600.9	615.3	629.7	644.1
72.5°	467.8	467.8	478.6	478.6	475.0	485.8	496.6	503.8	511.0	529.0	547.0
75°	385.0	381.4	388.6	388.6	385.0	388.6	395.8	406.6	413.8	428.2	442.6
77.5°	302.3	298.7	305.9	305.9	305.9	302.3	313.1	316.7	320.3	327.5	341.9
80°	223.1	219.5	226.7	226.7	219.5	223.1	230.3	233.9	233.9	241.1	251.9
82.5°	154.7	151.1	154.7	154.7	154.7	154.7	158.3	154.7	158.3	158.3	169.1
85°	93.6	90.0	93.6	90.0	90.0	86.4	93.6	90.0	90.0	93.6	93.6
87.5°	32.4	32.4	36.0	36.0	32.4	36.0	32.4	32.4	32.4	36.0	32.4
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: P572049

CATALOG NUMBER: 22ID-70-L840-SWR

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7
2.5°	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2623.3	2623.3	2619.7	2623.3	2619.7
5°	2612.5	2612.5	2616.1	2616.1	2616.1	2616.1	2616.1	2619.7	2619.7	2619.7	2616.1
7.5°	2601.7	2601.7	2601.7	2601.7	2605.3	2608.9	2608.9	2608.9	2612.5	2608.9	2608.9
10°	2583.7	2590.9	2590.9	2594.5	2594.5	2598.1	2601.7	2601.7	2601.7	2601.7	2601.7
12.5°	2565.7	2569.3	2572.9	2576.5	2580.1	2580.1	2587.3	2587.3	2587.3	2587.3	2583.7
15°	2536.9	2544.1	2547.7	2551.3	2558.5	2558.5	2565.7	2562.1	2569.3	2565.7	2562.1
17.5°	2504.5	2511.7	2518.9	2518.9	2529.7	2533.3	2540.5	2544.1	2544.1	2540.5	2533.3
20°	2465.0	2475.8	2479.4	2486.6	2493.7	2500.9	2504.5	2508.1	2511.7	2508.1	2504.5
22.5°	2418.2	2432.6	2436.2	2443.4	2454.2	2461.4	2465.0	2468.6	2472.2	2472.2	2465.0
25°	2367.8	2385.8	2385.8	2396.6	2407.4	2418.2	2425.4	2425.4	2432.6	2425.4	2425.4
27.5°	2306.6	2328.2	2339.0	2342.6	2357.0	2367.8	2375.0	2382.2	2382.2	2375.0	2375.0
30°	2245.5	2267.0	2277.8	2281.4	2299.4	2310.2	2317.4	2324.6	2324.6	2324.6	2317.4
32.5°	2177.1	2202.3	2213.1	2216.7	2238.3	2249.1	2259.8	2267.0	2267.0	2263.4	2252.7
35°	2105.1	2123.1	2141.1	2148.3	2166.3	2177.1	2195.1	2202.3	2198.7	2198.7	2187.9
37.5°	2022.3	2051.1	2061.9	2069.1	2090.7	2105.1	2123.1	2130.3	2130.3	2126.7	2119.5
40°	1936.0	1968.4	1979.2	1990.0	2011.6	2029.5	2040.3	2051.1	2051.1	2051.1	2043.9
42.5°	1849.6	1874.8	1889.2	1900.0	1925.2	1936.0	1954.0	1968.4	1968.4	1964.8	1954.0
45°	1752.5	1781.2	1795.6	1806.4	1831.6	1853.2	1864.0	1878.4	1874.8	1874.8	1860.4
47.5°	1655.3	1684.1	1698.5	1709.3	1734.5	1759.7	1766.9	1781.2	1781.2	1781.2	1766.9
50°	1554.5	1583.3	1594.1	1604.9	1633.7	1648.1	1666.1	1680.5	1680.5	1684.1	1669.7
52.5°	1450.2	1471.8	1489.8	1497.0	1525.8	1543.7	1558.1	1576.1	1576.1	1568.9	1568.9
55°	1338.6	1363.8	1381.8	1389.0	1410.6	1439.4	1450.2	1464.6	1464.6	1464.6	1457.4
57.5°	1227.1	1255.9	1270.3	1277.5	1302.7	1324.2	1338.6	1353.0	1356.6	1356.6	1342.2
60°	1111.9	1140.7	1155.1	1162.3	1191.1	1209.1	1223.5	1237.9	1241.5	1245.1	1230.7
62.5°	1004.0	1029.2	1043.6	1050.8	1072.3	1086.7	1104.7	1122.7	1126.3	1126.3	1119.1
65°	885.2	910.4	921.2	928.4	946.4	971.6	993.2	1007.6	1011.2	1007.6	1007.6
67.5°	773.7	795.3	809.7	813.3	831.2	856.4	867.2	881.6	885.2	885.2	881.6
70°	662.1	687.3	698.1	705.3	719.7	741.3	752.1	766.5	770.1	773.7	766.5
72.5°	557.8	575.8	586.6	593.7	611.7	629.7	636.9	651.3	658.5	658.5	651.3
75°	453.4	471.4	478.6	485.8	500.2	518.2	525.4	539.8	547.0	543.4	543.4
77.5°	352.7	367.0	374.2	377.8	388.6	410.2	413.8	428.2	428.2	431.8	431.8
80°	259.1	269.9	277.1	280.7	287.9	302.3	309.5	320.3	327.5	323.9	323.9
82.5°	172.7	179.9	187.1	194.3	194.3	208.7	208.7	219.5	219.5	226.7	223.1
85°	97.2	100.8	104.4	108.0	108.0	118.7	118.7	125.9	133.1	125.9	125.9
87.5°	32.4	36.0	36.0	39.6	36.0	43.2	39.6	46.8	50.4	50.4	46.8
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: P572049

CATALOG NUMBER: 22ID-70-L840-SWR

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7
2.5°	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7
5°	2616.1	2616.1	2612.5	2616.1	2616.1	2616.1	2616.1	2612.5	2612.5	2612.5	2612.5
7.5°	2608.9	2605.3	2605.3	2605.3	2601.7	2601.7	2601.7	2601.7	2598.1	2598.1	2598.1
10°	2598.1	2594.5	2594.5	2594.5	2590.9	2590.9	2587.3	2583.7	2583.7	2580.1	2576.5
12.5°	2583.7	2580.1	2576.5	2576.5	2572.9	2569.3	2565.7	2562.1	2558.5	2551.3	2551.3
15°	2558.5	2558.5	2554.9	2551.3	2544.1	2544.1	2536.9	2533.3	2526.1	2518.9	2518.9
17.5°	2533.3	2529.7	2526.1	2518.9	2511.7	2508.1	2500.9	2493.7	2486.6	2479.4	2475.8
20°	2500.9	2490.2	2493.7	2483.0	2475.8	2468.6	2457.8	2450.6	2439.8	2432.6	2425.4
22.5°	2457.8	2454.2	2450.6	2439.8	2429.0	2425.4	2407.4	2396.6	2385.8	2375.0	2367.8
25°	2411.0	2407.4	2403.8	2393.0	2378.6	2371.4	2353.4	2342.6	2324.6	2317.4	2310.2
27.5°	2357.0	2357.0	2349.8	2335.4	2324.6	2306.6	2295.8	2274.2	2259.8	2249.1	2241.9
30°	2299.4	2299.4	2292.2	2274.2	2259.8	2241.9	2231.1	2209.5	2191.5	2180.7	2166.3
32.5°	2241.9	2238.3	2231.1	2213.1	2195.1	2177.1	2155.5	2137.5	2115.9	2105.1	2090.7
35°	2173.5	2169.9	2162.7	2141.1	2126.7	2105.1	2079.9	2058.3	2036.7	2025.9	2004.4
37.5°	2101.5	2094.3	2087.1	2061.9	2043.9	2022.3	2004.4	1975.6	1954.0	1939.6	1928.8
40°	2022.3	2018.7	2008.0	1986.4	1961.2	1939.6	1914.4	1892.8	1871.2	1853.2	1838.8
42.5°	1943.2	1928.8	1921.6	1900.0	1882.0	1849.6	1831.6	1802.8	1781.2	1766.9	1745.3
45°	1853.2	1842.4	1831.6	1810.0	1784.8	1759.7	1741.7	1709.3	1687.7	1669.7	1651.7
47.5°	1752.5	1748.9	1738.1	1712.9	1691.3	1666.1	1644.5	1612.1	1590.5	1576.1	1558.1
50°	1651.7	1648.1	1640.9	1615.7	1586.9	1565.3	1547.3	1515.0	1493.4	1471.8	1461.0
52.5°	1558.1	1543.7	1536.6	1515.0	1486.2	1461.0	1446.6	1414.2	1392.6	1371.0	1356.6
55°	1450.2	1439.4	1432.2	1414.2	1389.0	1356.6	1342.2	1313.4	1295.5	1281.1	1259.5
57.5°	1342.2	1327.8	1320.6	1299.1	1281.1	1255.9	1237.9	1209.1	1191.1	1176.7	1162.3
60°	1219.9	1219.9	1212.7	1191.1	1173.1	1147.9	1133.5	1104.7	1086.7	1075.9	1058.0
62.5°	1119.1	1104.7	1101.1	1075.9	1065.2	1040.0	1029.2	1004.0	993.2	975.2	957.2
65°	993.2	993.2	989.6	975.2	960.8	928.4	914.0	892.4	881.6	867.2	852.8
67.5°	881.6	870.8	870.8	856.4	838.4	820.5	809.7	788.1	780.9	762.9	752.1
70°	770.1	759.3	759.3	741.3	730.5	712.5	705.3	687.3	672.9	665.7	654.9
72.5°	658.5	651.3	647.7	633.3	626.1	608.1	604.5	586.6	572.2	568.6	557.8
75°	547.0	539.8	529.0	532.6	518.2	503.8	500.2	489.4	482.2	471.4	460.6
77.5°	435.4	428.2	428.2	421.0	413.8	403.0	399.4	392.2	381.4	374.2	367.0
80°	331.1	323.9	323.9	320.3	309.5	302.3	302.3	291.5	291.5	284.3	280.7
82.5°	226.7	223.1	219.5	223.1	215.9	208.7	212.3	208.7	205.1	197.9	194.3
85°	133.1	129.5	125.9	133.1	125.9	129.5	125.9	122.3	122.3	118.7	115.2
87.5°	50.4	50.4	46.8	50.4	50.4	54.0	50.4	50.4	50.4	50.4	50.4
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: P572049

CATALOG NUMBER: 22ID-70-L840-SWR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7
2.5°	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7
5°	2612.5	2612.5	2612.5	2612.5	2612.5	2612.5	2612.5	2612.5	2612.5	2608.9	2612.5
7.5°	2598.1	2594.5	2598.1	2594.5	2594.5	2594.5	2594.5	2594.5	2594.5	2594.5	2594.5
10°	2576.5	2576.5	2576.5	2576.5	2576.5	2576.5	2576.5	2576.5	2576.5	2572.9	2572.9
12.5°	2551.3	2551.3	2547.7	2547.7	2547.7	2544.1	2544.1	2547.7	2547.7	2544.1	2547.7
15°	2515.3	2518.9	2511.7	2508.1	2508.1	2508.1	2508.1	2508.1	2508.1	2508.1	2511.7
17.5°	2475.8	2472.2	2468.6	2468.6	2465.0	2461.4	2461.4	2465.0	2465.0	2468.6	2468.6
20°	2425.4	2425.4	2418.2	2414.6	2411.0	2407.4	2407.4	2411.0	2411.0	2411.0	2418.2
22.5°	2367.8	2364.2	2357.0	2353.4	2353.4	2346.2	2349.8	2353.4	2353.4	2353.4	2357.0
25°	2303.0	2299.4	2295.8	2292.2	2285.0	2281.4	2281.4	2288.6	2288.6	2295.8	2299.4
27.5°	2234.7	2231.1	2223.9	2216.7	2213.1	2209.5	2209.5	2216.7	2216.7	2223.9	2227.5
30°	2162.7	2159.1	2148.3	2144.7	2133.9	2130.3	2133.9	2141.1	2144.7	2148.3	2151.9
32.5°	2087.1	2079.9	2069.1	2065.5	2054.7	2058.3	2051.1	2061.9	2065.5	2069.1	2072.7
35°	2004.4	1997.2	1986.4	1975.6	1972.0	1968.4	1968.4	1975.6	1975.6	1986.4	1990.0
37.5°	1914.4	1910.8	1900.0	1892.8	1885.6	1885.6	1878.4	1889.2	1892.8	1900.0	1900.0
40°	1831.6	1828.0	1810.0	1802.8	1795.6	1799.2	1788.4	1799.2	1802.8	1810.0	1813.6
42.5°	1734.5	1730.9	1716.5	1709.3	1702.1	1705.7	1694.9	1705.7	1702.1	1712.9	1716.5
45°	1640.9	1637.3	1626.5	1612.1	1604.9	1608.5	1608.5	1608.5	1604.9	1615.7	1619.3
47.5°	1547.3	1540.2	1529.4	1515.0	1507.8	1511.4	1511.4	1511.4	1507.8	1522.2	1522.2
50°	1450.2	1443.0	1432.2	1417.8	1414.2	1414.2	1414.2	1414.2	1414.2	1421.4	1425.0
52.5°	1349.4	1345.8	1335.0	1320.6	1313.4	1313.4	1313.4	1306.2	1313.4	1317.0	1320.6
55°	1248.7	1245.1	1227.1	1219.9	1212.7	1216.3	1212.7	1209.1	1209.1	1216.3	1219.9
57.5°	1147.9	1144.3	1133.5	1129.9	1111.9	1115.5	1111.9	1111.9	1115.5	1115.5	1119.1
60°	1047.2	1043.6	1032.8	1029.2	1014.8	1018.4	1004.0	1011.2	1014.8	1014.8	1014.8
62.5°	939.2	939.2	921.2	914.0	906.8	910.4	899.6	899.6	899.6	906.8	906.8
65°	842.0	838.4	824.1	816.9	809.7	809.7	802.5	802.5	798.9	806.1	806.1
67.5°	741.3	741.3	726.9	719.7	712.5	716.1	705.3	705.3	708.9	708.9	708.9
70°	644.1	644.1	633.3	629.7	618.9	618.9	608.1	611.7	611.7	611.7	611.7
72.5°	550.6	550.6	539.8	536.2	525.4	525.4	514.6	518.2	518.2	514.6	514.6
75°	457.0	460.6	442.6	439.0	431.8	435.4	428.2	424.6	428.2	421.0	421.0
77.5°	363.4	363.4	359.8	356.2	345.5	345.5	341.9	334.7	338.3	331.1	331.1
80°	273.5	277.1	266.3	269.9	259.1	262.7	259.1	251.9	251.9	248.3	244.7
82.5°	190.7	190.7	187.1	190.7	187.1	183.5	179.9	176.3	176.3	169.1	169.1
85°	115.2	118.7	111.6	115.2	115.2	111.6	104.4	104.4	104.4	100.8	100.8
87.5°	46.8	54.0	50.4	50.4	50.4	50.4	46.8	50.4	46.8	43.2	43.2
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: P572049

CATALOG NUMBER: 22ID-70-L840-SWR

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7
2.5°	2616.1	2619.7	2619.7	2619.7	2619.7	2616.1	2616.1	2616.1	2616.1	2616.1	2619.7
5°	2608.9	2612.5	2612.5	2612.5	2612.5	2612.5	2612.5	2612.5	2612.5	2612.5	2612.5
7.5°	2594.5	2594.5	2598.1	2598.1	2598.1	2598.1	2601.7	2598.1	2601.7	2598.1	2601.7
10°	2572.9	2576.5	2580.1	2580.1	2583.7	2580.1	2583.7	2583.7	2587.3	2587.3	2587.3
12.5°	2547.7	2551.3	2551.3	2558.5	2558.5	2558.5	2562.1	2562.1	2565.7	2569.3	2569.3
15°	2511.7	2515.3	2518.9	2518.9	2526.1	2533.3	2533.3	2536.9	2540.5	2544.1	2544.1
17.5°	2468.6	2472.2	2475.8	2483.0	2490.2	2497.3	2500.9	2500.9	2508.1	2511.7	2511.7
20°	2418.2	2425.4	2432.6	2439.8	2443.4	2454.2	2457.8	2461.4	2468.6	2475.8	2475.8
22.5°	2364.2	2367.8	2378.6	2385.8	2393.0	2403.8	2407.4	2418.2	2425.4	2429.0	2432.6
25°	2299.4	2306.6	2317.4	2324.6	2331.8	2346.2	2357.0	2364.2	2375.0	2382.2	2382.2
27.5°	2227.5	2238.3	2249.1	2256.2	2267.0	2285.0	2295.8	2303.0	2317.4	2324.6	2328.2
30°	2155.5	2162.7	2177.1	2187.9	2198.7	2216.7	2231.1	2241.9	2256.2	2263.4	2267.0
32.5°	2076.3	2087.1	2101.5	2112.3	2126.7	2144.7	2159.1	2169.9	2191.5	2195.1	2198.7
35°	1993.6	2004.4	2015.2	2033.1	2047.5	2065.5	2083.5	2097.9	2108.7	2123.1	2126.7
37.5°	1907.2	1918.0	1932.4	1946.8	1961.2	1982.8	2000.8	2011.6	2029.5	2040.3	2047.5
40°	1817.2	1828.0	1846.0	1864.0	1874.8	1896.4	1914.4	1928.8	1954.0	1961.2	1961.2
42.5°	1720.1	1734.5	1745.3	1766.9	1777.7	1802.8	1820.8	1842.4	1856.8	1867.6	1871.2
45°	1626.5	1637.3	1658.9	1673.3	1684.1	1709.3	1727.3	1745.3	1763.3	1770.5	1777.7
47.5°	1525.8	1540.2	1558.1	1565.3	1583.3	1608.5	1626.5	1644.5	1666.1	1673.3	1676.9
50°	1428.6	1439.4	1450.2	1464.6	1479.0	1504.2	1525.8	1543.7	1561.7	1568.9	1572.5
52.5°	1327.8	1338.6	1349.4	1367.4	1374.6	1399.8	1410.6	1428.6	1453.8	1461.0	1464.6
55°	1223.5	1237.9	1252.3	1263.1	1270.3	1291.9	1306.2	1327.8	1342.2	1349.4	1356.6
57.5°	1119.1	1129.9	1144.3	1158.7	1162.3	1183.9	1201.9	1212.7	1230.7	1237.9	1245.1
60°	1018.4	1029.2	1040.0	1043.6	1054.4	1075.9	1093.9	1101.1	1119.1	1126.3	1129.9
62.5°	910.4	914.0	928.4	939.2	939.2	968.0	978.8	993.2	1007.6	1011.2	1018.4
65°	809.7	816.9	816.9	824.1	834.8	852.8	860.0	878.0	888.8	892.4	896.0
67.5°	708.9	716.1	723.3	730.5	730.5	748.5	752.1	766.5	777.3	780.9	784.5
70°	611.7	611.7	622.5	629.7	626.1	640.5	647.7	654.9	669.3	672.9	676.5
72.5°	518.2	514.6	521.8	529.0	536.2	539.8	547.0	550.6	561.4	568.6	572.2
75°	424.6	428.2	428.2	431.8	428.2	431.8	442.6	453.4	460.6	464.2	471.4
77.5°	331.1	334.7	334.7	338.3	341.9	341.9	345.5	359.8	367.0	370.6	367.0
80°	244.7	248.3	248.3	251.9	255.5	259.1	259.1	266.3	277.1	280.7	280.7
82.5°	172.7	172.7	172.7	172.7	176.3	176.3	179.9	187.1	194.3	194.3	201.5
85°	104.4	104.4	100.8	104.4	100.8	104.4	108.0	115.2	118.7	118.7	122.3
87.5°	46.8	43.2	46.8	46.8	43.2	43.2	43.2	46.8	46.8	50.4	50.4
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):

	345°	350°	355°	360°
0°	2619.7	2619.7	2619.7	2619.7
2.5°	2619.7	2619.7	2619.7	2619.7
5°	2612.5	2612.5	2612.5	2612.5
7.5°	2601.7	2601.7	2601.7	2601.7
10°	2587.3	2590.9	2590.9	2590.9
12.5°	2569.3	2569.3	2572.9	2572.9
15°	2547.7	2547.7	2547.7	2551.3
17.5°	2515.3	2518.9	2518.9	2518.9
20°	2479.4	2483.0	2483.0	2479.4
22.5°	2432.6	2436.2	2439.8	2439.8
25°	2385.8	2393.0	2396.6	2396.6
27.5°	2331.8	2339.0	2342.6	2342.6
30°	2274.2	2281.4	2281.4	2281.4
32.5°	2205.9	2216.7	2220.3	2220.3
35°	2133.9	2148.3	2151.9	2151.9
37.5°	2058.3	2065.5	2076.3	2076.3
40°	1975.6	1982.8	1993.6	1993.6
42.5°	1885.6	1900.0	1900.0	1907.2
45°	1788.4	1802.8	1806.4	1813.6
47.5°	1691.3	1705.7	1709.3	1712.9
50°	1586.9	1597.7	1608.5	1608.5
52.5°	1482.6	1489.8	1497.0	1504.2
55°	1371.0	1381.8	1385.4	1392.6
57.5°	1255.9	1270.3	1273.9	1281.1
60°	1144.3	1155.1	1162.3	1165.9
62.5°	1032.8	1040.0	1043.6	1050.8
65°	910.4	921.2	921.2	928.4
67.5°	798.9	806.1	809.7	813.3
70°	680.1	694.5	698.1	705.3
72.5°	575.8	590.2	590.2	597.3
75°	482.2	485.8	485.8	493.0
77.5°	381.4	385.0	388.6	392.2
80°	287.9	291.5	291.5	298.7
82.5°	205.1	205.1	205.1	208.7
85°	125.9	122.3	118.7	122.3
87.5°	50.4	50.4	54.0	46.8
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P572049

CATALOG NUMBER: 22ID-70-L840-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	18.70	20.33	19.06	20.64	20.95	17.58	19.21	17.95	19.52	19.84
	3H	20.45	21.92	20.83	22.25	22.61	19.20	20.67	19.58	21.00	21.36
	4H	21.11	22.49	21.51	22.84	23.22	19.79	21.18	20.19	21.52	21.90
	6H	21.60	22.88	22.01	23.25	23.64	20.23	21.51	20.64	21.87	22.26
	8H	21.76	22.98	22.18	23.37	23.77	20.36	21.58	20.78	21.97	22.37
	12H	21.86	23.03	22.29	23.41	23.84	20.44	21.61	20.87	22.00	22.42
4H	2H	19.18	20.57	19.58	20.91	21.29	18.28	19.67	18.68	20.01	20.39
	3H	21.16	22.32	21.57	22.72	23.12	20.11	21.27	20.52	21.66	22.06
	4H	21.95	23.00	22.39	23.42	23.85	20.81	21.86	21.24	22.28	22.71
	6H	22.59	23.50	23.04	23.94	24.40	21.36	22.27	21.81	22.71	23.17
	8H	22.80	23.66	23.26	24.10	24.56	21.53	22.39	21.99	22.83	23.29
	12H	22.94	23.71	23.42	24.19	24.66	21.65	22.42	22.13	22.89	23.36
8H	4H	22.19	23.05	22.65	23.49	23.95	21.16	22.02	21.62	22.46	22.93
	6H	22.93	23.65	23.43	24.13	24.61	21.81	22.53	22.31	23.01	23.49
	8H	23.22	23.86	23.73	24.36	24.85	22.05	22.69	22.56	23.19	23.68
	12H	23.44	24.01	23.95	24.50	25.06	22.23	22.79	22.73	23.28	23.84
12H	4H	22.21	22.98	22.69	23.45	23.92	21.20	21.98	21.68	22.45	22.92
	6H	22.97	23.61	23.48	24.11	24.60	21.88	22.52	22.39	23.03	23.51
	8H	23.30	23.87	23.81	24.36	24.92	22.17	22.73	22.67	23.22	23.78

END OF REPORT