

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: P572073

Luminaire Tested: 22ID-80-L830-SWR

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P572073
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-80-L830-SWR
Description: 8000 LUMEN, 2X2 INDEPTH TROFFER WITH 2IN REGRESSED SWEEP LENS AND 3000K, 80 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7781.0 lumens
Efficiency: N/A
Efficacy: 109.9 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

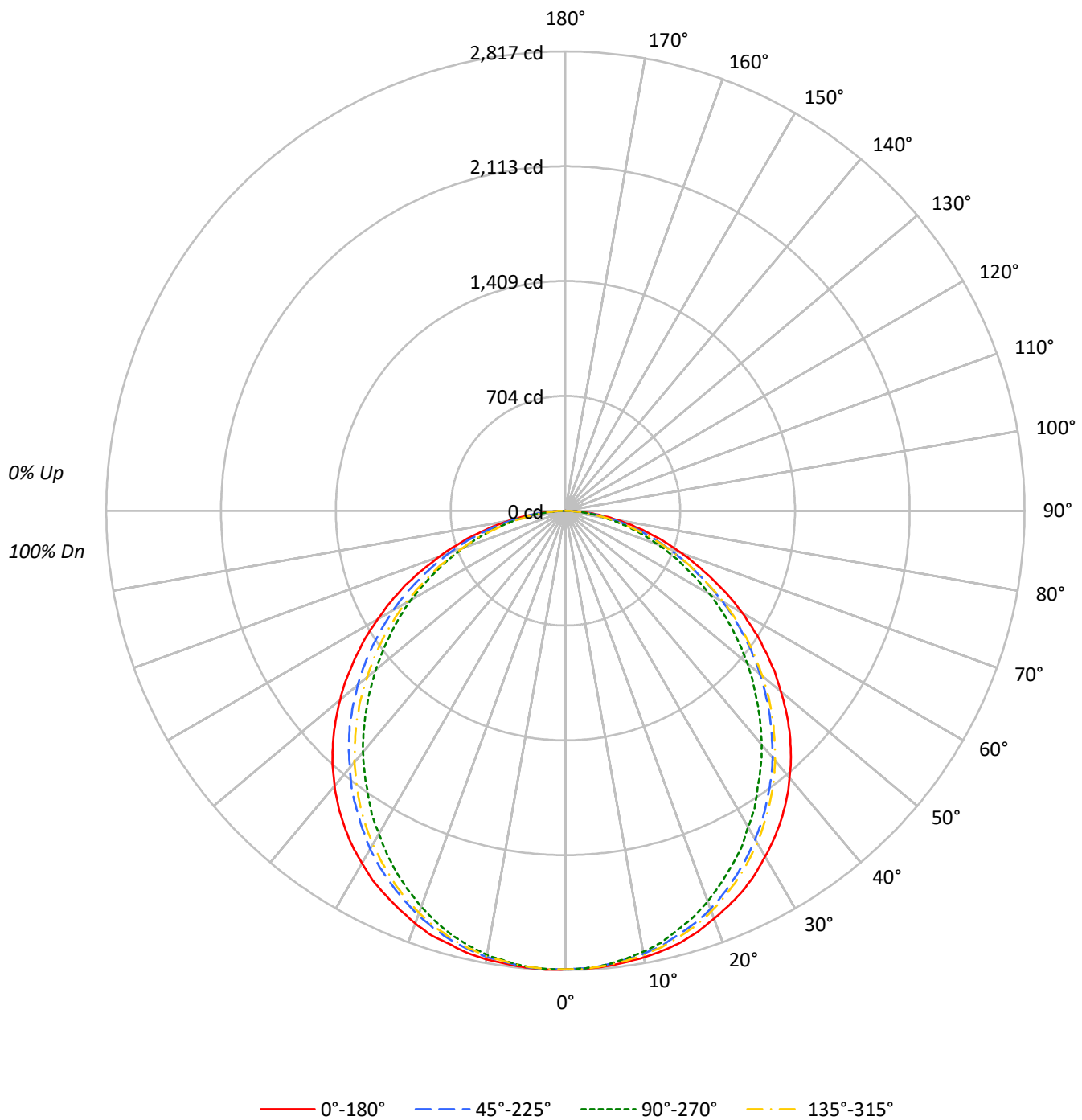
Input Watts (W): 70.8
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	7571	7571	7571	7571
5°	7579	7558	7600	7579
10°	7603	7508	7635	7561
15°	7634	7418	7666	7504
20°	7625	7304	7714	7404
25°	7642	7149	7734	7275
30°	7613	6965	7758	7109
35°	7592	6767	7770	6945
40°	7521	6584	7738	6788
45°	7413	6339	7677	6574
50°	7232	6100	7556	6358
55°	7017	5820	7379	6129
60°	6739	5512	7155	5886
65°	6349	5119	6890	5537
70°	5960	4744	6477	5230
75°	5505	4299	6027	4862
80°	4971	3773	5331	4372
85°	4057	3103	4177	3699

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 7677 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.5	3.4
10°-20°	764.6	9.8
20°-30°	1154.2	14.8
30°-40°	1378.0	17.7
40°-50°	1406.1	18.1
50°-60°	1240.0	15.9
60°-70°	916.4	11.8
70°-80°	516.7	6.6
80°-90°	138.4	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°	2185.3	28.1
0°-40°	3563.3	45.8
0°-60°	6209.5	79.8
0°-90°	7781.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7781.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2814	2814	2814	2814	2814	
5°	2806	2798	2814	2806	2806	267
15°	2740	2663	2752	2694	2740	773
25°	2574	2408	2605	2450	2574	1185
35°	2311	2060	2365	2114	2311	1444
45°	1948	1666	2017	1728	1948	1500
55°	1496	1241	1573	1306	1496	1336
65°	997	804	1082	870	997	990
75°	530	414	580	468	530	562
85°	131	100	135	120	131	154
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°	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5
2.5°	2813.5	2813.5	2813.5	2813.5	2809.6	2805.8	2805.8	2809.6	2809.6	2805.8	2809.6
5°	2805.8	2805.8	2805.8	2801.9	2798.0	2798.0	2798.0	2798.0	2794.2	2798.0	2798.0
7.5°	2794.2	2794.2	2794.2	2790.3	2786.5	2786.5	2786.5	2782.6	2778.7	2782.6	2778.7
10°	2782.6	2778.7	2778.7	2778.7	2771.0	2767.1	2767.1	2767.1	2763.3	2763.3	2759.4
12.5°	2763.3	2759.4	2759.4	2755.5	2751.7	2747.8	2743.9	2740.1	2736.2	2732.3	2732.3
15°	2740.1	2740.1	2732.3	2728.5	2720.8	2716.9	2713.0	2709.2	2701.4	2697.6	2689.8
17.5°	2705.3	2705.3	2697.6	2693.7	2686.0	2678.2	2678.2	2670.5	2662.8	2655.1	2651.2
20°	2662.8	2666.6	2662.8	2655.1	2643.5	2639.6	2635.7	2628.0	2616.4	2608.7	2600.9
22.5°	2620.3	2624.1	2616.4	2604.8	2597.1	2593.2	2585.5	2573.9	2562.3	2550.7	2539.1
25°	2573.9	2570.0	2562.3	2554.6	2543.0	2539.1	2531.4	2519.8	2500.5	2488.9	2473.4
27.5°	2515.9	2515.9	2504.3	2496.6	2477.3	2477.3	2465.7	2450.2	2434.8	2415.4	2403.8
30°	2450.2	2450.2	2442.5	2430.9	2411.6	2407.7	2396.1	2384.5	2361.3	2342.0	2326.6
32.5°	2384.5	2380.7	2372.9	2361.3	2342.0	2334.3	2322.7	2307.2	2287.9	2260.9	2249.3
35°	2311.1	2307.2	2295.6	2280.2	2264.7	2257.0	2245.4	2226.1	2206.7	2179.7	2160.4
37.5°	2229.9	2226.1	2214.5	2199.0	2179.7	2172.0	2160.4	2141.0	2114.0	2094.7	2071.5
40°	2141.0	2137.2	2129.5	2114.0	2094.7	2086.9	2071.5	2052.2	2021.2	1998.1	1978.7
42.5°	2048.3	2044.4	2032.8	2013.5	1998.1	1990.3	1974.9	1955.5	1928.5	1901.4	1874.4
45°	1947.8	1943.9	1932.4	1909.2	1897.6	1886.0	1870.5	1851.2	1828.0	1804.8	1773.9
47.5°	1839.6	1835.7	1828.0	1808.7	1785.5	1781.6	1766.2	1746.8	1719.8	1688.9	1665.7
50°	1727.5	1727.5	1715.9	1700.5	1685.0	1673.4	1658.0	1638.6	1603.9	1584.5	1557.5
52.5°	1615.4	1611.6	1603.9	1584.5	1572.9	1561.3	1542.0	1530.4	1495.6	1480.2	1449.3
55°	1495.6	1491.8	1476.3	1464.7	1457.0	1445.4	1429.9	1406.8	1387.4	1364.2	1337.2
57.5°	1375.8	1372.0	1360.4	1352.6	1337.2	1325.6	1310.1	1294.7	1267.6	1252.2	1225.1
60°	1252.2	1252.2	1244.4	1232.8	1217.4	1205.8	1194.2	1178.7	1155.5	1132.4	1113.0
62.5°	1128.5	1128.5	1116.9	1105.3	1097.6	1086.0	1078.3	1058.9	1039.6	1024.1	993.2
65°	997.1	997.1	981.6	977.8	970.0	962.3	950.7	931.4	919.8	892.7	881.2
67.5°	873.4	877.3	865.7	865.7	854.1	846.4	834.8	819.3	807.7	784.5	772.9
70°	757.5	761.3	753.6	749.8	738.2	730.4	722.7	711.1	695.6	687.9	668.6
72.5°	641.5	645.4	637.7	637.7	626.1	622.2	614.5	606.8	591.3	583.6	564.2
75°	529.5	525.6	525.6	529.5	517.9	514.0	510.1	494.7	487.0	479.2	463.8
77.5°	421.3	421.3	425.1	421.3	413.5	409.7	401.9	390.3	386.5	382.6	367.1
80°	320.8	324.6	324.6	320.8	313.0	309.2	305.3	293.7	289.9	289.9	278.3
82.5°	224.2	224.2	220.3	224.2	216.4	212.6	216.4	204.8	201.0	201.0	193.2
85°	131.4	127.5	127.5	131.4	127.5	127.5	127.5	119.8	119.8	119.8	112.1
87.5°	50.2	50.2	54.1	54.1	50.2	50.2	50.2	50.2	46.4	46.4	42.5
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°	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5
2.5°	2805.8	2805.8	2805.8	2805.8	2809.6	2805.8	2809.6	2809.6	2813.5	2809.6	2813.5
5°	2798.0	2798.0	2794.2	2794.2	2794.2	2794.2	2794.2	2794.2	2794.2	2798.0	2798.0
7.5°	2778.7	2778.7	2774.9	2774.9	2774.9	2774.9	2771.0	2771.0	2774.9	2774.9	2774.9
10°	2755.5	2751.7	2747.8	2747.8	2747.8	2747.8	2743.9	2747.8	2747.8	2747.8	2747.8
12.5°	2720.8	2720.8	2716.9	2713.0	2713.0	2713.0	2709.2	2713.0	2713.0	2713.0	2713.0
15°	2686.0	2682.1	2678.2	2670.5	2670.5	2666.6	2662.8	2666.6	2662.8	2662.8	2666.6
17.5°	2635.7	2635.7	2628.0	2624.1	2620.3	2616.4	2612.5	2612.5	2612.5	2612.5	2620.3
20°	2585.5	2581.6	2573.9	2558.4	2562.3	2558.4	2550.7	2554.6	2554.6	2550.7	2550.7
22.5°	2531.4	2515.9	2508.2	2492.7	2496.6	2488.9	2485.0	2488.9	2485.0	2481.1	2488.9
25°	2458.0	2450.2	2430.9	2430.9	2423.2	2419.3	2419.3	2415.4	2411.6	2407.7	2415.4
27.5°	2392.3	2376.8	2365.2	2349.7	2342.0	2342.0	2338.1	2334.3	2326.6	2334.3	2334.3
30°	2311.1	2295.6	2276.3	2268.6	2260.9	2260.9	2253.1	2249.3	2241.5	2241.5	2253.1
32.5°	2233.8	2210.6	2191.3	2179.7	2175.8	2172.0	2168.1	2152.6	2156.5	2160.4	2164.2
35°	2141.0	2121.7	2106.3	2094.7	2083.1	2079.2	2075.3	2063.8	2063.8	2059.9	2071.5
37.5°	2052.2	2029.0	2017.4	1998.1	1990.3	1982.6	1978.7	1971.0	1967.1	1971.0	1974.9
40°	1955.5	1936.2	1916.9	1897.6	1889.8	1886.0	1874.4	1874.4	1866.7	1874.4	1874.4
42.5°	1855.1	1835.7	1812.5	1797.1	1789.4	1781.6	1773.9	1770.0	1770.0	1770.0	1773.9
45°	1754.6	1731.4	1708.2	1692.7	1685.0	1681.1	1669.6	1665.7	1658.0	1665.7	1669.6
47.5°	1646.4	1627.0	1603.9	1592.3	1580.7	1576.8	1565.2	1557.5	1553.6	1561.3	1561.3
50°	1538.2	1518.8	1499.5	1484.0	1472.5	1468.6	1457.0	1457.0	1449.3	1457.0	1457.0
52.5°	1429.9	1410.6	1391.3	1372.0	1364.2	1360.4	1348.8	1348.8	1348.8	1348.8	1348.8
55°	1321.7	1294.7	1283.1	1263.8	1256.0	1252.2	1248.3	1236.7	1240.6	1240.6	1240.6
57.5°	1209.7	1190.3	1167.1	1159.4	1147.8	1144.0	1144.0	1128.5	1124.6	1132.4	1132.4
60°	1097.6	1082.1	1058.9	1047.3	1039.6	1039.6	1028.0	1012.6	1008.7	1024.1	1024.1
62.5°	981.6	958.4	946.9	935.3	927.5	923.7	919.8	908.2	912.1	908.2	908.2
65°	873.4	850.2	842.5	830.9	823.2	819.3	815.5	807.7	800.0	803.9	803.9
67.5°	765.2	745.9	734.3	726.6	718.8	718.8	711.1	703.4	707.2	703.4	703.4
70°	660.9	645.4	629.9	626.1	618.4	618.4	614.5	610.6	606.8	602.9	602.9
72.5°	560.4	544.9	533.3	525.6	521.7	521.7	517.9	506.3	510.1	506.3	506.3
75°	456.0	444.4	440.6	432.8	429.0	429.0	425.1	417.4	421.3	413.5	405.8
77.5°	363.3	351.7	347.8	344.0	347.8	344.0	332.4	336.2	332.4	324.6	324.6
80°	278.3	266.7	266.7	258.9	255.1	255.1	251.2	251.2	247.3	243.5	243.5
82.5°	189.4	185.5	181.6	177.8	173.9	181.6	173.9	170.0	170.0	170.0	166.2
85°	108.2	108.2	104.3	104.3	100.5	104.3	100.5	96.6	100.5	100.5	92.8
87.5°	42.5	46.4	38.6	38.6	38.6	38.6	34.8	38.6	38.6	38.6	34.8
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):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5
2.5°	2813.5	2809.6	2809.6	2809.6	2809.6	2805.8	2809.6	2809.6	2813.5	2809.6	2809.6
5°	2798.0	2794.2	2798.0	2794.2	2794.2	2798.0	2798.0	2801.9	2801.9	2805.8	2805.8
7.5°	2774.9	2774.9	2774.9	2774.9	2774.9	2778.7	2778.7	2782.6	2786.5	2786.5	2790.3
10°	2747.8	2747.8	2751.7	2747.8	2751.7	2755.5	2759.4	2763.3	2767.1	2771.0	2771.0
12.5°	2713.0	2713.0	2713.0	2720.8	2720.8	2724.6	2728.5	2736.2	2740.1	2747.8	2747.8
15°	2666.6	2666.6	2674.4	2674.4	2678.2	2686.0	2693.7	2697.6	2705.3	2713.0	2716.9
17.5°	2616.4	2616.4	2624.1	2624.1	2628.0	2639.6	2647.3	2651.2	2666.6	2674.4	2682.1
20°	2558.4	2558.4	2570.0	2566.2	2573.9	2585.5	2593.2	2604.8	2616.4	2628.0	2635.7
22.5°	2488.9	2492.7	2504.3	2504.3	2508.2	2523.7	2535.2	2546.8	2558.4	2573.9	2585.5
25°	2415.4	2419.3	2430.9	2434.8	2438.6	2454.1	2469.5	2477.3	2496.6	2515.9	2523.7
27.5°	2334.3	2342.0	2349.7	2353.6	2361.3	2380.7	2396.1	2411.6	2427.0	2446.4	2461.8
30°	2253.1	2260.9	2268.6	2272.4	2280.2	2299.5	2315.0	2334.3	2353.6	2372.9	2388.4
32.5°	2160.4	2172.0	2179.7	2187.4	2191.3	2214.5	2233.8	2253.1	2272.4	2295.6	2315.0
35°	2071.5	2083.1	2090.8	2094.7	2102.4	2125.6	2141.0	2160.4	2187.4	2210.6	2229.9
37.5°	1974.9	1982.6	1998.1	1998.1	2005.8	2032.8	2052.2	2071.5	2098.5	2121.7	2144.9
40°	1878.2	1882.1	1897.6	1901.4	1909.2	1936.2	1955.5	1982.6	2001.9	2029.0	2052.2
42.5°	1773.9	1785.5	1801.0	1808.7	1816.4	1831.9	1847.3	1878.2	1897.6	1928.5	1951.7
45°	1669.6	1681.1	1688.9	1692.7	1712.1	1727.5	1743.0	1773.9	1797.1	1824.1	1851.2
47.5°	1565.2	1572.9	1584.5	1600.0	1607.7	1623.2	1634.8	1665.7	1688.9	1719.8	1743.0
50°	1457.0	1468.6	1476.3	1480.2	1495.6	1515.0	1530.4	1557.5	1576.8	1607.7	1634.8
52.5°	1348.8	1364.2	1364.2	1379.7	1387.4	1395.2	1418.3	1445.4	1464.7	1491.8	1518.8
55°	1244.4	1252.2	1263.8	1267.6	1279.2	1286.9	1302.4	1329.5	1352.6	1379.7	1406.8
57.5°	1128.5	1136.2	1144.0	1159.4	1167.1	1182.6	1198.1	1217.4	1236.7	1263.8	1283.1
60°	1016.4	1028.0	1035.7	1047.3	1047.3	1066.7	1086.0	1105.3	1120.8	1147.8	1167.1
62.5°	915.9	915.9	915.9	931.4	927.5	943.0	958.4	981.6	997.1	1031.9	1055.1
65°	807.7	811.6	811.6	823.2	819.3	834.8	846.4	869.6	885.0	904.3	927.5
67.5°	703.4	703.4	707.2	718.8	715.0	726.6	745.9	757.5	769.1	792.3	811.6
70°	595.2	599.0	602.9	614.5	610.6	626.1	637.7	645.4	660.9	676.3	691.8
72.5°	502.4	502.4	514.0	514.0	510.1	521.7	533.3	541.1	548.8	568.1	587.4
75°	413.5	409.7	417.4	417.4	413.5	417.4	425.1	436.7	444.4	459.9	475.4
77.5°	324.6	320.8	328.5	328.5	328.5	324.6	336.2	340.1	344.0	351.7	367.1
80°	239.6	235.7	243.5	243.5	235.7	239.6	247.3	251.2	251.2	258.9	270.5
82.5°	166.2	162.3	166.2	166.2	166.2	166.2	170.0	166.2	170.0	170.0	181.6
85°	100.5	96.6	100.5	96.6	96.6	92.8	100.5	96.6	96.6	100.5	100.5
87.5°	34.8	34.8	38.6	38.6	34.8	38.6	34.8	34.8	34.8	38.6	34.8
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: P572073

CATALOG NUMBER: 22ID-80-L830-SWR

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5
2.5°	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2817.4	2817.4	2813.5	2817.4	2813.5
5°	2805.8	2805.8	2809.6	2809.6	2809.6	2809.6	2809.6	2813.5	2813.5	2813.5	2809.6
7.5°	2794.2	2794.2	2794.2	2794.2	2798.0	2801.9	2801.9	2801.9	2805.8	2801.9	2801.9
10°	2774.9	2782.6	2782.6	2786.5	2786.5	2790.3	2794.2	2794.2	2794.2	2794.2	2794.2
12.5°	2755.5	2759.4	2763.3	2767.1	2771.0	2771.0	2778.7	2778.7	2778.7	2778.7	2774.9
15°	2724.6	2732.3	2736.2	2740.1	2747.8	2747.8	2755.5	2751.7	2759.4	2755.5	2751.7
17.5°	2689.8	2697.6	2705.3	2705.3	2716.9	2720.8	2728.5	2732.3	2732.3	2728.5	2720.8
20°	2647.3	2658.9	2662.8	2670.5	2678.2	2686.0	2689.8	2693.7	2697.6	2693.7	2689.8
22.5°	2597.1	2612.5	2616.4	2624.1	2635.7	2643.5	2647.3	2651.2	2655.1	2655.1	2647.3
25°	2543.0	2562.3	2562.3	2573.9	2585.5	2597.1	2604.8	2604.8	2612.5	2604.8	2604.8
27.5°	2477.3	2500.5	2512.1	2515.9	2531.4	2543.0	2550.7	2558.4	2558.4	2550.7	2550.7
30°	2411.6	2434.8	2446.4	2450.2	2469.5	2481.1	2488.9	2496.6	2496.6	2496.6	2488.9
32.5°	2338.1	2365.2	2376.8	2380.7	2403.8	2415.4	2427.0	2434.8	2434.8	2430.9	2419.3
35°	2260.9	2280.2	2299.5	2307.2	2326.6	2338.1	2357.5	2365.2	2361.3	2361.3	2349.7
37.5°	2172.0	2202.9	2214.5	2222.2	2245.4	2260.9	2280.2	2287.9	2287.9	2284.0	2276.3
40°	2079.2	2114.0	2125.6	2137.2	2160.4	2179.7	2191.3	2202.9	2202.9	2202.9	2195.2
42.5°	1986.5	2013.5	2029.0	2040.6	2067.6	2079.2	2098.5	2114.0	2114.0	2110.1	2098.5
45°	1882.1	1913.0	1928.5	1940.1	1967.1	1990.3	2001.9	2017.4	2013.5	2013.5	1998.1
47.5°	1777.8	1808.7	1824.1	1835.7	1862.8	1889.8	1897.6	1913.0	1913.0	1913.0	1897.6
50°	1669.6	1700.5	1712.1	1723.7	1754.6	1770.0	1789.4	1804.8	1804.8	1808.7	1793.2
52.5°	1557.5	1580.7	1600.0	1607.7	1638.6	1658.0	1673.4	1692.7	1692.7	1685.0	1685.0
55°	1437.7	1464.7	1484.0	1491.8	1515.0	1545.9	1557.5	1572.9	1572.9	1572.9	1565.2
57.5°	1317.9	1348.8	1364.2	1372.0	1399.0	1422.2	1437.7	1453.1	1457.0	1457.0	1441.5
60°	1194.2	1225.1	1240.6	1248.3	1279.2	1298.5	1314.0	1329.5	1333.3	1337.2	1321.7
62.5°	1078.3	1105.3	1120.8	1128.5	1151.7	1167.1	1186.5	1205.8	1209.7	1209.7	1201.9
65°	950.7	977.8	989.4	997.1	1016.4	1043.5	1066.7	1082.1	1086.0	1082.1	1082.1
67.5°	830.9	854.1	869.6	873.4	892.7	919.8	931.4	946.9	950.7	950.7	946.9
70°	711.1	738.2	749.8	757.5	772.9	796.1	807.7	823.2	827.0	830.9	823.2
72.5°	599.0	618.4	629.9	637.7	657.0	676.3	684.1	699.5	707.2	707.2	699.5
75°	487.0	506.3	514.0	521.7	537.2	556.5	564.2	579.7	587.4	583.6	583.6
77.5°	378.7	394.2	401.9	405.8	417.4	440.6	444.4	459.9	459.9	463.8	463.8
80°	278.3	289.9	297.6	301.4	309.2	324.6	332.4	344.0	351.7	347.8	347.8
82.5°	185.5	193.2	201.0	208.7	208.7	224.2	224.2	235.7	235.7	243.5	239.6
85°	104.3	108.2	112.1	115.9	115.9	127.5	127.5	135.3	143.0	135.3	135.3
87.5°	34.8	38.6	38.6	42.5	38.6	46.4	42.5	50.2	54.1	54.1	50.2
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: P572073

CATALOG NUMBER: 22ID-80-L830-SWR

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5
2.5°	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5
5°	2809.6	2809.6	2805.8	2809.6	2809.6	2809.6	2809.6	2805.8	2805.8	2805.8	2805.8
7.5°	2801.9	2798.0	2798.0	2798.0	2794.2	2794.2	2794.2	2794.2	2790.3	2790.3	2790.3
10°	2790.3	2786.5	2786.5	2786.5	2782.6	2782.6	2778.7	2774.9	2774.9	2771.0	2767.1
12.5°	2774.9	2771.0	2767.1	2767.1	2763.3	2759.4	2755.5	2751.7	2747.8	2740.1	2740.1
15°	2747.8	2747.8	2743.9	2740.1	2732.3	2732.3	2724.6	2720.8	2713.0	2705.3	2705.3
17.5°	2720.8	2716.9	2713.0	2705.3	2697.6	2693.7	2686.0	2678.2	2670.5	2662.8	2658.9
20°	2686.0	2674.4	2678.2	2666.6	2658.9	2651.2	2639.6	2631.9	2620.3	2612.5	2604.8
22.5°	2639.6	2635.7	2631.9	2620.3	2608.7	2604.8	2585.5	2573.9	2562.3	2550.7	2543.0
25°	2589.4	2585.5	2581.6	2570.0	2554.6	2546.8	2527.5	2515.9	2496.6	2488.9	2481.1
27.5°	2531.4	2531.4	2523.7	2508.2	2496.6	2477.3	2465.7	2442.5	2427.0	2415.4	2407.7
30°	2469.5	2469.5	2461.8	2442.5	2427.0	2407.7	2396.1	2372.9	2353.6	2342.0	2326.6
32.5°	2407.7	2403.8	2396.1	2376.8	2357.5	2338.1	2315.0	2295.6	2272.4	2260.9	2245.4
35°	2334.3	2330.4	2322.7	2299.5	2284.0	2260.9	2233.8	2210.6	2187.4	2175.8	2152.6
37.5°	2257.0	2249.3	2241.5	2214.5	2195.2	2172.0	2152.6	2121.7	2098.5	2083.1	2071.5
40°	2172.0	2168.1	2156.5	2133.3	2106.3	2083.1	2056.0	2032.8	2009.6	1990.3	1974.9
42.5°	2086.9	2071.5	2063.8	2040.6	2021.2	1986.5	1967.1	1936.2	1913.0	1897.6	1874.4
45°	1990.3	1978.7	1967.1	1943.9	1916.9	1889.8	1870.5	1835.7	1812.5	1793.2	1773.9
47.5°	1882.1	1878.2	1866.7	1839.6	1816.4	1789.4	1766.2	1731.4	1708.2	1692.7	1673.4
50°	1773.9	1770.0	1762.3	1735.3	1704.3	1681.1	1661.8	1627.0	1603.9	1580.7	1569.1
52.5°	1673.4	1658.0	1650.2	1627.0	1596.1	1569.1	1553.6	1518.8	1495.6	1472.5	1457.0
55°	1557.5	1545.9	1538.2	1518.8	1491.8	1457.0	1441.5	1410.6	1391.3	1375.8	1352.6
57.5°	1441.5	1426.1	1418.3	1395.2	1375.8	1348.8	1329.5	1298.5	1279.2	1263.8	1248.3
60°	1310.1	1310.1	1302.4	1279.2	1259.9	1232.8	1217.4	1186.5	1167.1	1155.5	1136.2
62.5°	1201.9	1186.5	1182.6	1155.5	1144.0	1116.9	1105.3	1078.3	1066.7	1047.3	1028.0
65°	1066.7	1066.7	1062.8	1047.3	1031.9	997.1	981.6	958.4	946.9	931.4	915.9
67.5°	946.9	935.3	935.3	919.8	900.5	881.2	869.6	846.4	838.6	819.3	807.7
70°	827.0	815.5	815.5	796.1	784.5	765.2	757.5	738.2	722.7	715.0	703.4
72.5°	707.2	699.5	695.6	680.2	672.5	653.1	649.3	629.9	614.5	610.6	599.0
75°	587.4	579.7	568.1	572.0	556.5	541.1	537.2	525.6	517.9	506.3	494.7
77.5°	467.6	459.9	459.9	452.2	444.4	432.8	429.0	421.3	409.7	401.9	394.2
80°	355.6	347.8	347.8	344.0	332.4	324.6	324.6	313.0	313.0	305.3	301.4
82.5°	243.5	239.6	235.7	239.6	231.9	224.2	228.0	224.2	220.3	212.6	208.7
85°	143.0	139.1	135.3	143.0	135.3	139.1	135.3	131.4	131.4	127.5	123.7
87.5°	54.1	54.1	50.2	54.1	54.1	58.0	54.1	54.1	54.1	54.1	54.1
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: P572073

CATALOG NUMBER: 22ID-80-L830-SWR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5
2.5°	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5
5°	2805.8	2805.8	2805.8	2805.8	2805.8	2805.8	2805.8	2805.8	2805.8	2801.9	2805.8
7.5°	2790.3	2786.5	2790.3	2786.5	2786.5	2786.5	2786.5	2786.5	2786.5	2786.5	2786.5
10°	2767.1	2767.1	2767.1	2767.1	2767.1	2767.1	2767.1	2767.1	2767.1	2763.3	2763.3
12.5°	2740.1	2740.1	2736.2	2736.2	2736.2	2732.3	2732.3	2736.2	2736.2	2732.3	2736.2
15°	2701.4	2705.3	2697.6	2693.7	2693.7	2693.7	2693.7	2693.7	2693.7	2693.7	2697.6
17.5°	2658.9	2655.1	2651.2	2651.2	2647.3	2643.5	2643.5	2647.3	2647.3	2651.2	2651.2
20°	2604.8	2604.8	2597.1	2593.2	2589.4	2585.5	2585.5	2589.4	2589.4	2589.4	2597.1
22.5°	2543.0	2539.1	2531.4	2527.5	2527.5	2519.8	2523.7	2527.5	2527.5	2527.5	2531.4
25°	2473.4	2469.5	2465.7	2461.8	2454.1	2450.2	2450.2	2458.0	2458.0	2465.7	2469.5
27.5°	2400.0	2396.1	2388.4	2380.7	2376.8	2372.9	2372.9	2380.7	2380.7	2388.4	2392.3
30°	2322.7	2318.8	2307.2	2303.4	2291.8	2287.9	2291.8	2299.5	2303.4	2307.2	2311.1
32.5°	2241.5	2233.8	2222.2	2218.3	2206.7	2210.6	2202.9	2214.5	2218.3	2222.2	2226.1
35°	2152.6	2144.9	2133.3	2121.7	2117.9	2114.0	2114.0	2121.7	2121.7	2133.3	2137.2
37.5°	2056.0	2052.2	2040.6	2032.8	2025.1	2025.1	2017.4	2029.0	2032.8	2040.6	2040.6
40°	1967.1	1963.3	1943.9	1936.2	1928.5	1932.4	1920.8	1932.4	1936.2	1943.9	1947.8
42.5°	1862.8	1858.9	1843.5	1835.7	1828.0	1831.9	1820.3	1831.9	1828.0	1839.6	1843.5
45°	1762.3	1758.4	1746.8	1731.4	1723.7	1727.5	1727.5	1727.5	1723.7	1735.3	1739.1
47.5°	1661.8	1654.1	1642.5	1627.0	1619.3	1623.2	1623.2	1623.2	1619.3	1634.8	1634.8
50°	1557.5	1549.7	1538.2	1522.7	1518.8	1518.8	1518.8	1518.8	1518.8	1526.6	1530.4
52.5°	1449.3	1445.4	1433.8	1418.3	1410.6	1410.6	1410.6	1402.9	1410.6	1414.5	1418.3
55°	1341.1	1337.2	1317.9	1310.1	1302.4	1306.3	1302.4	1298.5	1298.5	1306.3	1310.1
57.5°	1232.8	1229.0	1217.4	1213.5	1194.2	1198.1	1194.2	1194.2	1198.1	1198.1	1201.9
60°	1124.6	1120.8	1109.2	1105.3	1089.8	1093.7	1078.3	1086.0	1089.8	1089.8	1089.8
62.5°	1008.7	1008.7	989.4	981.6	973.9	977.8	966.2	966.2	966.2	973.9	973.9
65°	904.3	900.5	885.0	877.3	869.6	869.6	861.8	861.8	858.0	865.7	865.7
67.5°	796.1	796.1	780.7	772.9	765.2	769.1	757.5	757.5	761.3	761.3	761.3
70°	691.8	691.8	680.2	676.3	664.7	664.7	653.1	657.0	657.0	657.0	657.0
72.5°	591.3	591.3	579.7	575.8	564.2	564.2	552.7	556.5	556.5	552.7	552.7
75°	490.8	494.7	475.4	471.5	463.8	467.6	459.9	456.0	459.9	452.2	452.2
77.5°	390.3	390.3	386.5	382.6	371.0	371.0	367.1	359.4	363.3	355.6	355.6
80°	293.7	297.6	286.0	289.9	278.3	282.1	278.3	270.5	270.5	266.7	262.8
82.5°	204.8	204.8	201.0	204.8	201.0	197.1	193.2	189.4	189.4	181.6	181.6
85°	123.7	127.5	119.8	123.7	123.7	119.8	112.1	112.1	112.1	108.2	108.2
87.5°	50.2	58.0	54.1	54.1	54.1	54.1	50.2	54.1	50.2	46.4	46.4
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: P572073

CATALOG NUMBER: 22ID-80-L830-SWR

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5	2813.5
2.5°	2809.6	2813.5	2813.5	2813.5	2813.5	2809.6	2809.6	2809.6	2809.6	2809.6	2813.5
5°	2801.9	2805.8	2805.8	2805.8	2805.8	2805.8	2805.8	2805.8	2805.8	2805.8	2805.8
7.5°	2786.5	2786.5	2790.3	2790.3	2790.3	2790.3	2794.2	2790.3	2794.2	2790.3	2794.2
10°	2763.3	2767.1	2771.0	2771.0	2774.9	2771.0	2774.9	2774.9	2778.7	2778.7	2778.7
12.5°	2736.2	2740.1	2740.1	2747.8	2747.8	2747.8	2751.7	2751.7	2755.5	2759.4	2759.4
15°	2697.6	2701.4	2705.3	2705.3	2713.0	2720.8	2720.8	2724.6	2728.5	2732.3	2732.3
17.5°	2651.2	2655.1	2658.9	2666.6	2674.4	2682.1	2686.0	2686.0	2693.7	2697.6	2697.6
20°	2597.1	2604.8	2612.5	2620.3	2624.1	2635.7	2639.6	2643.5	2651.2	2658.9	2658.9
22.5°	2539.1	2543.0	2554.6	2562.3	2570.0	2581.6	2585.5	2597.1	2604.8	2608.7	2612.5
25°	2469.5	2477.3	2488.9	2496.6	2504.3	2519.8	2531.4	2539.1	2550.7	2558.4	2558.4
27.5°	2392.3	2403.8	2415.4	2423.2	2434.8	2454.1	2465.7	2473.4	2488.9	2496.6	2500.5
30°	2315.0	2322.7	2338.1	2349.7	2361.3	2380.7	2396.1	2407.7	2423.2	2430.9	2434.8
32.5°	2229.9	2241.5	2257.0	2268.6	2284.0	2303.4	2318.8	2330.4	2353.6	2357.5	2361.3
35°	2141.0	2152.6	2164.2	2183.6	2199.0	2218.3	2237.7	2253.1	2264.7	2280.2	2284.0
37.5°	2048.3	2059.9	2075.3	2090.8	2106.3	2129.5	2148.8	2160.4	2179.7	2191.3	2199.0
40°	1951.7	1963.3	1982.6	2001.9	2013.5	2036.7	2056.0	2071.5	2098.5	2106.3	2106.3
42.5°	1847.3	1862.8	1874.4	1897.6	1909.2	1936.2	1955.5	1978.7	1994.2	2005.8	2009.6
45°	1746.8	1758.4	1781.6	1797.1	1808.7	1835.7	1855.1	1874.4	1893.7	1901.4	1909.2
47.5°	1638.6	1654.1	1673.4	1681.1	1700.5	1727.5	1746.8	1766.2	1789.4	1797.1	1801.0
50°	1534.3	1545.9	1557.5	1572.9	1588.4	1615.4	1638.6	1658.0	1677.3	1685.0	1688.9
52.5°	1426.1	1437.7	1449.3	1468.6	1476.3	1503.4	1515.0	1534.3	1561.3	1569.1	1572.9
55°	1314.0	1329.5	1344.9	1356.5	1364.2	1387.4	1402.9	1426.1	1441.5	1449.3	1457.0
57.5°	1201.9	1213.5	1229.0	1244.4	1248.3	1271.5	1290.8	1302.4	1321.7	1329.5	1337.2
60°	1093.7	1105.3	1116.9	1120.8	1132.4	1155.5	1174.9	1182.6	1201.9	1209.7	1213.5
62.5°	977.8	981.6	997.1	1008.7	1008.7	1039.6	1051.2	1066.7	1082.1	1086.0	1093.7
65°	869.6	877.3	877.3	885.0	896.6	915.9	923.7	943.0	954.6	958.4	962.3
67.5°	761.3	769.1	776.8	784.5	784.5	803.9	807.7	823.2	834.8	838.6	842.5
70°	657.0	657.0	668.6	676.3	672.5	687.9	695.6	703.4	718.8	722.7	726.6
72.5°	556.5	552.7	560.4	568.1	575.8	579.7	587.4	591.3	602.9	610.6	614.5
75°	456.0	459.9	459.9	463.8	459.9	463.8	475.4	487.0	494.7	498.5	506.3
77.5°	355.6	359.4	359.4	363.3	367.1	367.1	371.0	386.5	394.2	398.1	394.2
80°	262.8	266.7	266.7	270.5	274.4	278.3	278.3	286.0	297.6	301.4	301.4
82.5°	185.5	185.5	185.5	185.5	189.4	189.4	193.2	201.0	208.7	208.7	216.4
85°	112.1	112.1	108.2	112.1	108.2	112.1	115.9	123.7	127.5	127.5	131.4
87.5°	50.2	46.4	50.2	50.2	46.4	46.4	46.4	50.2	50.2	54.1	54.1
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°	2813.5	2813.5	2813.5	2813.5
2.5°	2813.5	2813.5	2813.5	2813.5
5°	2805.8	2805.8	2805.8	2805.8
7.5°	2794.2	2794.2	2794.2	2794.2
10°	2778.7	2782.6	2782.6	2782.6
12.5°	2759.4	2759.4	2763.3	2763.3
15°	2736.2	2736.2	2736.2	2740.1
17.5°	2701.4	2705.3	2705.3	2705.3
20°	2662.8	2666.6	2666.6	2662.8
22.5°	2612.5	2616.4	2620.3	2620.3
25°	2562.3	2570.0	2573.9	2573.9
27.5°	2504.3	2512.1	2515.9	2515.9
30°	2442.5	2450.2	2450.2	2450.2
32.5°	2369.1	2380.7	2384.5	2384.5
35°	2291.8	2307.2	2311.1	2311.1
37.5°	2210.6	2218.3	2229.9	2229.9
40°	2121.7	2129.5	2141.0	2141.0
42.5°	2025.1	2040.6	2040.6	2048.3
45°	1920.8	1936.2	1940.1	1947.8
47.5°	1816.4	1831.9	1835.7	1839.6
50°	1704.3	1715.9	1727.5	1727.5
52.5°	1592.3	1600.0	1607.7	1615.4
55°	1472.5	1484.0	1487.9	1495.6
57.5°	1348.8	1364.2	1368.1	1375.8
60°	1229.0	1240.6	1248.3	1252.2
62.5°	1109.2	1116.9	1120.8	1128.5
65°	977.8	989.4	989.4	997.1
67.5°	858.0	865.7	869.6	873.4
70°	730.4	745.9	749.8	757.5
72.5°	618.4	633.8	633.8	641.5
75°	517.9	521.7	521.7	529.5
77.5°	409.7	413.5	417.4	421.3
80°	309.2	313.0	313.0	320.8
82.5°	220.3	220.3	220.3	224.2
85°	135.3	131.4	127.5	131.4
87.5°	54.1	54.1	58.0	50.2
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P572073

CATALOG NUMBER: 22ID-80-L830-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	18.95	20.57	19.31	20.89	21.20	17.83	19.46	18.20	19.77	20.09
	3H	20.70	22.17	21.07	22.49	22.86	19.45	20.92	19.82	21.24	21.60
	4H	21.36	22.74	21.75	23.09	23.46	20.04	21.43	20.44	21.77	22.15
	6H	21.85	23.13	22.26	23.50	23.89	20.47	21.76	20.88	22.12	22.51
	8H	22.01	23.23	22.43	23.62	24.02	20.61	21.83	21.03	22.22	22.62
	12H	22.11	23.28	22.53	23.66	24.09	20.69	21.86	21.12	22.24	22.67
4H	2H	19.43	20.81	19.83	21.16	21.54	18.53	19.91	18.93	20.26	20.64
	3H	21.41	22.57	21.82	22.97	23.37	20.35	21.51	20.76	21.91	22.31
	4H	22.20	23.25	22.63	23.66	24.10	21.06	22.11	21.49	22.52	22.96
	6H	22.83	23.75	23.29	24.19	24.65	21.61	22.52	22.06	22.96	23.42
	8H	23.05	23.90	23.51	24.35	24.81	21.78	22.63	22.24	23.08	23.54
	12H	23.19	23.96	23.67	24.44	24.91	21.89	22.66	22.37	23.14	23.61
8H	4H	22.44	23.29	22.90	23.74	24.20	21.41	22.27	21.87	22.71	23.17
	6H	23.18	23.89	23.67	24.38	24.86	22.06	22.77	22.55	23.26	23.74
	8H	23.47	24.11	23.98	24.61	25.10	22.30	22.94	22.80	23.44	23.93
	12H	23.69	24.25	24.20	24.74	25.31	22.47	23.04	22.98	23.53	24.09
12H	4H	22.46	23.23	22.94	23.70	24.17	21.45	22.22	21.93	22.70	23.17
	6H	23.21	23.86	23.72	24.36	24.85	22.13	22.77	22.63	23.27	23.76
	8H	23.55	24.12	24.06	24.61	25.17	22.41	22.98	22.92	23.47	24.03

END OF REPORT