

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: P572081

Luminaire Tested: 22ID-80-L840-SWR

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P572081
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-L840-SWR
Description: 8000 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: 8151.0 lumens
Efficiency: N/A
Efficacy: 115.1 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

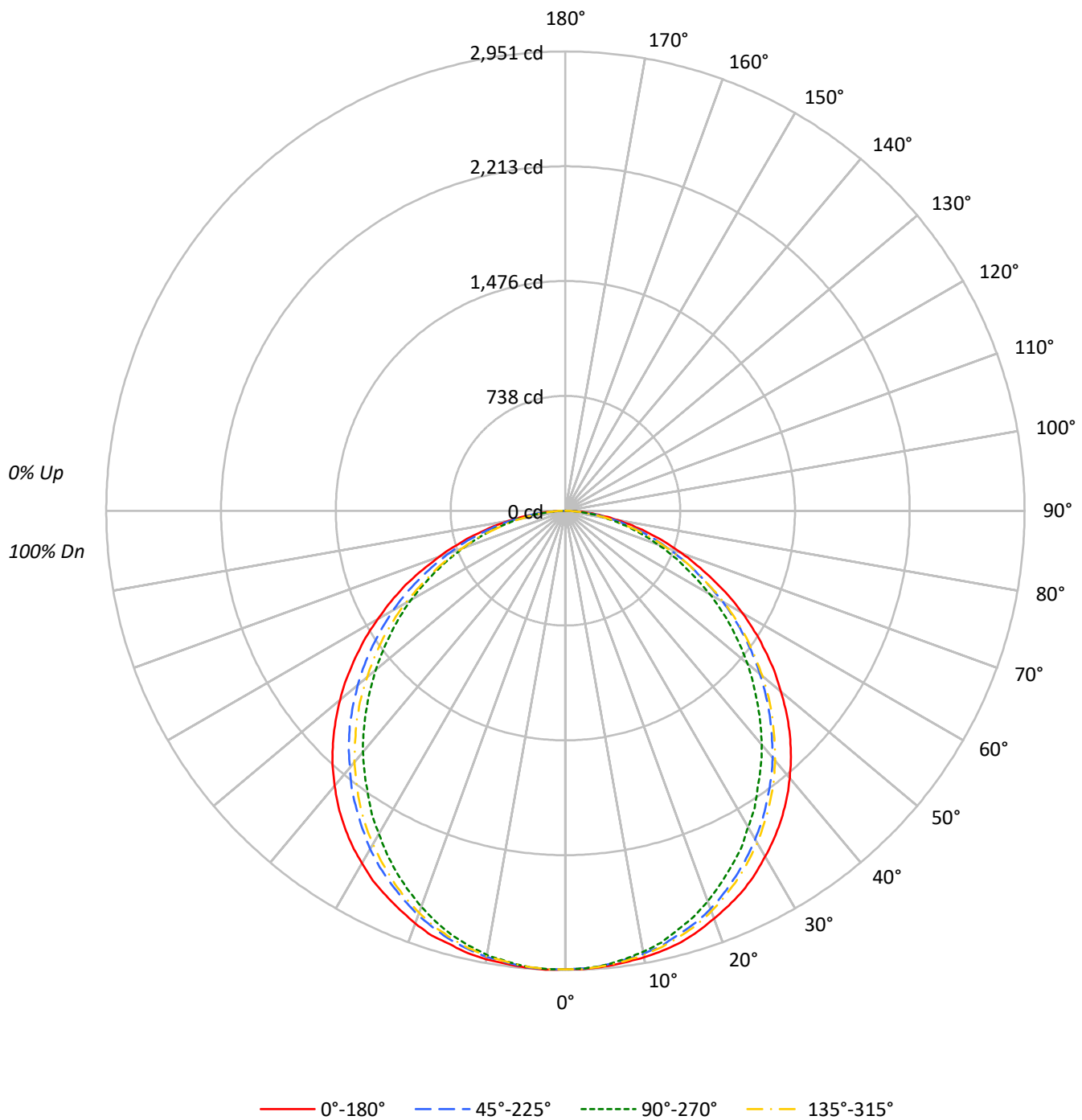
Input Watts (W): 70.8
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P572081

CATALOG NUMBER: 22ID-80-L840-SWR

Luminous Intensity Polar Plot



TEST NUMBER: P572081

CATALOG NUMBER: 22ID-80-L840-SWR

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°	7931	7931	7931	7931
5°	7940	7918	7961	7940
10°	7965	7865	7998	7921
15°	7997	7771	8030	7861
20°	7988	7652	8081	7756
25°	8006	7489	8102	7621
30°	7975	7296	8126	7447
35°	7953	7089	8139	7275
40°	7879	6897	8106	7111
45°	7765	6640	8042	6887
50°	7576	6390	7915	6661
55°	7351	6097	7730	6420
60°	7060	5774	7495	6166
65°	6651	5362	7218	5800
70°	6243	4969	6784	5478
75°	5766	4504	6314	5094
80°	5207	3953	5583	4579
85°	4248	3251	4375	3875

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 8042 cd/sqm

TEST NUMBER: P572081

CATALOG NUMBER: 22ID-80-L840-SWR

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.2	3.4
10°-20°	801.0	9.8
20°-30°	1209.1	14.8
30°-40°	1443.6	17.7
40°-50°	1473.0	18.1
50°-60°	1299.0	15.9
60°-70°	960.0	11.8
70°-80°	541.3	6.6
80°-90°	144.9	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°	2289.2	28.1
0°-40°	3732.8	45.8
0°-60°	6504.8	79.8
0°-90°	8151.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8151.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2947	2947	2947	2947	2947	
5°	2939	2931	2947	2939	2939	280
15°	2870	2789	2882	2822	2870	810
25°	2696	2522	2729	2567	2696	1242
35°	2421	2158	2478	2214	2421	1513
45°	2040	1745	2113	1810	2040	1571
55°	1567	1300	1648	1368	1567	1400
65°	1044	842	1134	911	1044	1038
75°	555	433	607	490	555	589
85°	138	105	142	126	138	161
90°	0	0	0	0	0	

TEST NUMBER: P572081

CATALOG NUMBER: 22ID-80-L840-SWR

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3
2.5°	2947.3	2947.3	2947.3	2947.3	2943.2	2939.2	2939.2	2943.2	2943.2	2939.2	2943.2
5°	2939.2	2939.2	2939.2	2935.1	2931.1	2931.1	2931.1	2931.1	2927.1	2931.1	2931.1
7.5°	2927.1	2927.1	2927.1	2923.0	2919.0	2919.0	2919.0	2914.9	2910.9	2914.9	2910.9
10°	2914.9	2910.9	2910.9	2910.9	2902.8	2898.7	2898.7	2898.7	2894.7	2894.7	2890.6
12.5°	2894.7	2890.6	2890.6	2886.6	2882.5	2878.5	2874.4	2870.4	2866.3	2862.3	2862.3
15°	2870.4	2870.4	2862.3	2858.2	2850.1	2846.1	2842.0	2838.0	2829.9	2825.8	2817.7
17.5°	2833.9	2833.9	2825.8	2821.8	2813.7	2805.6	2805.6	2797.5	2789.4	2781.3	2777.3
20°	2789.4	2793.5	2789.4	2781.3	2769.2	2765.1	2761.1	2753.0	2740.8	2732.7	2724.6
22.5°	2744.9	2748.9	2740.8	2728.7	2720.6	2716.5	2708.4	2696.3	2684.1	2672.0	2659.9
25°	2696.3	2692.2	2684.1	2676.0	2663.9	2659.9	2651.8	2639.6	2619.4	2607.2	2591.0
27.5°	2635.6	2635.6	2623.4	2615.3	2595.1	2595.1	2582.9	2566.7	2550.5	2530.3	2518.2
30°	2566.7	2566.7	2558.6	2546.5	2526.3	2522.2	2510.1	2497.9	2473.6	2453.4	2437.2
32.5°	2497.9	2493.9	2485.8	2473.6	2453.4	2445.3	2433.1	2416.9	2396.7	2368.4	2356.2
35°	2421.0	2416.9	2404.8	2388.6	2372.4	2364.3	2352.2	2331.9	2311.7	2283.3	2263.1
37.5°	2336.0	2331.9	2319.8	2303.6	2283.3	2275.2	2263.1	2242.9	2214.5	2194.3	2170.0
40°	2242.9	2238.8	2230.7	2214.5	2194.3	2186.2	2170.0	2149.7	2117.4	2093.1	2072.8
42.5°	2145.7	2141.6	2129.5	2109.3	2093.1	2085.0	2068.8	2048.5	2020.2	1991.9	1963.5
45°	2040.4	2036.4	2024.2	1999.9	1987.8	1975.7	1959.5	1939.2	1914.9	1890.6	1858.3
47.5°	1927.1	1923.0	1914.9	1894.7	1870.4	1866.3	1850.2	1829.9	1801.6	1769.2	1744.9
50°	1809.7	1809.7	1797.5	1781.3	1765.1	1753.0	1736.8	1716.6	1680.1	1659.9	1631.5
52.5°	1692.3	1688.2	1680.1	1659.9	1647.7	1635.6	1615.3	1603.2	1566.8	1550.6	1518.2
55°	1566.8	1562.7	1546.5	1534.4	1526.3	1514.1	1497.9	1473.6	1453.4	1429.1	1400.8
57.5°	1441.3	1437.2	1425.1	1417.0	1400.8	1388.6	1372.4	1356.2	1327.9	1311.7	1283.4
60°	1311.7	1311.7	1303.6	1291.5	1275.3	1263.1	1251.0	1234.8	1210.5	1186.2	1166.0
62.5°	1182.2	1182.2	1170.0	1157.9	1149.8	1137.6	1129.5	1109.3	1089.0	1072.8	1040.5
65°	1044.5	1044.5	1028.3	1024.3	1016.2	1008.1	995.9	975.7	963.5	935.2	923.1
67.5°	915.0	919.0	906.9	906.9	894.7	886.6	874.5	858.3	846.1	821.8	809.7
70°	793.5	797.6	789.5	785.4	773.3	765.2	757.1	744.9	728.7	720.6	700.4
72.5°	672.0	676.1	668.0	668.0	655.9	651.8	643.7	635.6	619.4	611.3	591.1
75°	554.6	550.6	550.6	554.6	542.5	538.4	534.4	518.2	510.1	502.0	485.8
77.5°	441.3	441.3	445.3	441.3	433.2	429.1	421.0	408.9	404.8	400.8	384.6
80°	336.0	340.1	340.1	336.0	327.9	323.9	319.8	307.7	303.6	303.6	291.5
82.5°	234.8	234.8	230.8	234.8	226.7	222.7	226.7	214.6	210.5	210.5	202.4
85°	137.6	133.6	133.6	137.6	133.6	133.6	133.6	125.5	125.5	125.5	117.4
87.5°	52.6	52.6	56.7	56.7	52.6	52.6	52.6	52.6	48.6	48.6	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: P572081

CATALOG NUMBER: 22ID-80-L840-SWR

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3
2.5°	2939.2	2939.2	2939.2	2939.2	2943.2	2939.2	2943.2	2943.2	2947.3	2943.2	2947.3
5°	2931.1	2931.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2931.1	2931.1
7.5°	2910.9	2910.9	2906.8	2906.8	2906.8	2906.8	2902.8	2902.8	2906.8	2906.8	2906.8
10°	2886.6	2882.5	2878.5	2878.5	2878.5	2878.5	2874.4	2878.5	2878.5	2878.5	2878.5
12.5°	2850.1	2850.1	2846.1	2842.0	2842.0	2842.0	2838.0	2842.0	2842.0	2842.0	2842.0
15°	2813.7	2809.6	2805.6	2797.5	2797.5	2793.5	2789.4	2793.5	2789.4	2789.4	2793.5
17.5°	2761.1	2761.1	2753.0	2748.9	2744.9	2740.8	2736.8	2736.8	2736.8	2736.8	2744.9
20°	2708.4	2704.4	2696.3	2680.1	2684.1	2680.1	2672.0	2676.0	2676.0	2672.0	2672.0
22.5°	2651.8	2635.6	2627.5	2611.3	2615.3	2607.2	2603.2	2607.2	2603.2	2599.1	2607.2
25°	2574.8	2566.7	2546.5	2546.5	2538.4	2534.3	2534.3	2530.3	2526.3	2522.2	2530.3
27.5°	2506.0	2489.8	2477.7	2461.5	2453.4	2453.4	2449.3	2445.3	2437.2	2445.3	2445.3
30°	2421.0	2404.8	2384.6	2376.5	2368.4	2368.4	2360.3	2356.2	2348.1	2348.1	2360.3
32.5°	2340.0	2315.7	2295.5	2283.3	2279.3	2275.2	2271.2	2255.0	2259.1	2263.1	2267.1
35°	2242.9	2222.6	2206.4	2194.3	2182.1	2178.1	2174.0	2161.9	2161.9	2157.8	2170.0
37.5°	2149.7	2125.5	2113.3	2093.1	2085.0	2076.9	2072.8	2064.7	2060.7	2064.7	2068.8
40°	2048.5	2028.3	2008.0	1987.8	1979.7	1975.7	1963.5	1963.5	1955.4	1963.5	1963.5
42.5°	1943.3	1923.0	1898.7	1882.5	1874.4	1866.3	1858.3	1854.2	1854.2	1854.2	1858.3
45°	1838.0	1813.7	1789.4	1773.2	1765.1	1761.1	1748.9	1744.9	1736.8	1744.9	1748.9
47.5°	1724.7	1704.4	1680.1	1668.0	1655.8	1651.8	1639.6	1631.5	1627.5	1635.6	1635.6
50°	1611.3	1591.1	1570.8	1554.6	1542.5	1538.4	1526.3	1526.3	1518.2	1526.3	1526.3
52.5°	1497.9	1477.7	1457.5	1437.2	1429.1	1425.1	1412.9	1412.9	1412.9	1412.9	1412.9
55°	1384.6	1356.2	1344.1	1323.9	1315.8	1311.7	1307.7	1295.5	1299.6	1299.6	1299.6
57.5°	1267.2	1246.9	1222.6	1214.5	1202.4	1198.4	1198.4	1182.2	1178.1	1186.2	1186.2
60°	1149.8	1133.6	1109.3	1097.1	1089.0	1089.0	1076.9	1060.7	1056.7	1072.8	1072.8
62.5°	1028.3	1004.0	991.9	979.7	971.6	967.6	963.5	951.4	955.4	951.4	951.4
65°	915.0	890.7	882.6	870.4	862.3	858.3	854.2	846.1	838.0	842.1	842.1
67.5°	801.6	781.4	769.2	761.1	753.0	753.0	744.9	736.8	740.9	736.8	736.8
70°	692.3	676.1	659.9	655.9	647.8	647.8	643.7	639.7	635.6	631.6	631.6
72.5°	587.0	570.8	558.7	550.6	546.5	546.5	542.5	530.4	534.4	530.4	530.4
75°	477.7	465.6	461.5	453.4	449.4	449.4	445.3	437.2	441.3	433.2	425.1
77.5°	380.6	368.4	364.4	360.3	364.4	360.3	348.2	352.2	348.2	340.1	340.1
80°	291.5	279.3	279.3	271.2	267.2	267.2	263.2	263.2	259.1	255.1	255.1
82.5°	198.4	194.3	190.3	186.2	182.2	190.3	182.2	178.1	178.1	178.1	174.1
85°	113.4	113.4	109.3	109.3	105.3	109.3	105.3	101.2	105.3	105.3	97.2
87.5°	44.5	48.6	40.5	40.5	40.5	40.5	36.4	40.5	40.5	40.5	36.4
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: P572081

CATALOG NUMBER: 22ID-80-L840-SWR

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3
2.5°	2947.3	2943.2	2943.2	2943.2	2943.2	2939.2	2943.2	2943.2	2947.3	2943.2	2943.2
5°	2931.1	2927.1	2931.1	2927.1	2927.1	2931.1	2931.1	2935.1	2935.1	2939.2	2939.2
7.5°	2906.8	2906.8	2906.8	2906.8	2906.8	2910.9	2910.9	2914.9	2919.0	2919.0	2923.0
10°	2878.5	2878.5	2882.5	2878.5	2882.5	2886.6	2890.6	2894.7	2898.7	2902.8	2902.8
12.5°	2842.0	2842.0	2842.0	2850.1	2850.1	2854.2	2858.2	2866.3	2870.4	2878.5	2878.5
15°	2793.5	2793.5	2801.5	2801.5	2805.6	2813.7	2821.8	2825.8	2833.9	2842.0	2846.1
17.5°	2740.8	2740.8	2748.9	2748.9	2753.0	2765.1	2773.2	2777.3	2793.5	2801.5	2809.6
20°	2680.1	2680.1	2692.2	2688.2	2696.3	2708.4	2716.5	2728.7	2740.8	2753.0	2761.1
22.5°	2607.2	2611.3	2623.4	2623.4	2627.5	2643.7	2655.8	2667.9	2680.1	2696.3	2708.4
25°	2530.3	2534.3	2546.5	2550.5	2554.6	2570.8	2587.0	2595.1	2615.3	2635.6	2643.7
27.5°	2445.3	2453.4	2461.5	2465.5	2473.6	2493.9	2510.1	2526.3	2542.4	2562.7	2578.9
30°	2360.3	2368.4	2376.5	2380.5	2388.6	2408.8	2425.0	2445.3	2465.5	2485.8	2502.0
32.5°	2263.1	2275.2	2283.3	2291.4	2295.5	2319.8	2340.0	2360.3	2380.5	2404.8	2425.0
35°	2170.0	2182.1	2190.2	2194.3	2202.4	2226.7	2242.9	2263.1	2291.4	2315.7	2336.0
37.5°	2068.8	2076.9	2093.1	2093.1	2101.2	2129.5	2149.7	2170.0	2198.3	2222.6	2246.9
40°	1967.6	1971.6	1987.8	1991.9	1999.9	2028.3	2048.5	2076.9	2097.1	2125.5	2149.7
42.5°	1858.3	1870.4	1886.6	1894.7	1902.8	1919.0	1935.2	1967.6	1987.8	2020.2	2044.5
45°	1748.9	1761.1	1769.2	1773.2	1793.5	1809.7	1825.9	1858.3	1882.5	1910.9	1939.2
47.5°	1639.6	1647.7	1659.9	1676.1	1684.2	1700.4	1712.5	1744.9	1769.2	1801.6	1825.9
50°	1526.3	1538.4	1546.5	1550.6	1566.8	1587.0	1603.2	1631.5	1651.8	1684.2	1712.5
52.5°	1412.9	1429.1	1429.1	1445.3	1453.4	1461.5	1485.8	1514.1	1534.4	1562.7	1591.1
55°	1303.6	1311.7	1323.9	1327.9	1340.0	1348.1	1364.3	1392.7	1417.0	1445.3	1473.6
57.5°	1182.2	1190.3	1198.4	1214.5	1222.6	1238.8	1255.0	1275.3	1295.5	1323.9	1344.1
60°	1064.8	1076.9	1085.0	1097.1	1097.1	1117.4	1137.6	1157.9	1174.1	1202.4	1222.6
62.5°	959.5	959.5	959.5	975.7	971.6	987.8	1004.0	1028.3	1044.5	1080.9	1105.2
65°	846.1	850.2	850.2	862.3	858.3	874.5	886.6	910.9	927.1	947.3	971.6
67.5°	736.8	736.8	740.9	753.0	749.0	761.1	781.4	793.5	805.6	829.9	850.2
70°	623.5	627.5	631.6	643.7	639.7	655.9	668.0	676.1	692.3	708.5	724.7
72.5°	526.3	526.3	538.4	538.4	534.4	546.5	558.7	566.8	574.9	595.1	615.4
75°	433.2	429.1	437.2	437.2	433.2	437.2	445.3	457.5	465.6	481.8	498.0
77.5°	340.1	336.0	344.1	344.1	344.1	340.1	352.2	356.3	360.3	368.4	384.6
80°	251.0	247.0	255.1	255.1	247.0	251.0	259.1	263.2	263.2	271.2	283.4
82.5°	174.1	170.0	174.1	174.1	174.1	174.1	178.1	174.1	178.1	178.1	190.3
85°	105.3	101.2	105.3	101.2	101.2	97.2	105.3	101.2	101.2	105.3	105.3
87.5°	36.4	36.4	40.5	40.5	36.4	40.5	36.4	36.4	36.4	40.5	36.4
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: P572081

CATALOG NUMBER: 22ID-80-L840-SWR

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3
2.5°	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2951.3	2951.3	2947.3	2951.3	2947.3
5°	2939.2	2939.2	2943.2	2943.2	2943.2	2943.2	2943.2	2947.3	2947.3	2947.3	2943.2
7.5°	2927.1	2927.1	2927.1	2927.1	2931.1	2935.1	2935.1	2935.1	2939.2	2935.1	2935.1
10°	2906.8	2914.9	2914.9	2919.0	2919.0	2923.0	2927.1	2927.1	2927.1	2927.1	2927.1
12.5°	2886.6	2890.6	2894.7	2898.7	2902.8	2902.8	2910.9	2910.9	2910.9	2910.9	2906.8
15°	2854.2	2862.3	2866.3	2870.4	2878.5	2878.5	2886.6	2882.5	2890.6	2886.6	2882.5
17.5°	2817.7	2825.8	2833.9	2833.9	2846.1	2850.1	2858.2	2862.3	2862.3	2858.2	2850.1
20°	2773.2	2785.4	2789.4	2797.5	2805.6	2813.7	2817.7	2821.8	2825.8	2821.8	2817.7
22.5°	2720.6	2736.8	2740.8	2748.9	2761.1	2769.2	2773.2	2777.3	2781.3	2781.3	2773.2
25°	2663.9	2684.1	2684.1	2696.3	2708.4	2720.6	2728.7	2728.7	2736.8	2728.7	2728.7
27.5°	2595.1	2619.4	2631.5	2635.6	2651.8	2663.9	2672.0	2680.1	2680.1	2672.0	2672.0
30°	2526.3	2550.5	2562.7	2566.7	2587.0	2599.1	2607.2	2615.3	2615.3	2615.3	2607.2
32.5°	2449.3	2477.7	2489.8	2493.9	2518.2	2530.3	2542.4	2550.5	2550.5	2546.5	2534.3
35°	2368.4	2388.6	2408.8	2416.9	2437.2	2449.3	2469.6	2477.7	2473.6	2473.6	2461.5
37.5°	2275.2	2307.6	2319.8	2327.9	2352.2	2368.4	2388.6	2396.7	2396.7	2392.7	2384.6
40°	2178.1	2214.5	2226.7	2238.8	2263.1	2283.3	2295.5	2307.6	2307.6	2307.6	2299.5
42.5°	2080.9	2109.3	2125.5	2137.6	2165.9	2178.1	2198.3	2214.5	2214.5	2210.5	2198.3
45°	1971.6	2004.0	2020.2	2032.3	2060.7	2085.0	2097.1	2113.3	2109.3	2109.3	2093.1
47.5°	1862.3	1894.7	1910.9	1923.0	1951.4	1979.7	1987.8	2004.0	2004.0	2004.0	1987.8
50°	1748.9	1781.3	1793.5	1805.6	1838.0	1854.2	1874.4	1890.6	1890.6	1894.7	1878.5
52.5°	1631.5	1655.8	1676.1	1684.2	1716.6	1736.8	1753.0	1773.2	1773.2	1765.1	1765.1
55°	1506.0	1534.4	1554.6	1562.7	1587.0	1619.4	1631.5	1647.7	1647.7	1647.7	1639.6
57.5°	1380.5	1412.9	1429.1	1437.2	1465.6	1489.8	1506.0	1522.2	1526.3	1526.3	1510.1
60°	1251.0	1283.4	1299.6	1307.7	1340.0	1360.3	1376.5	1392.7	1396.7	1400.8	1384.6
62.5°	1129.5	1157.9	1174.1	1182.2	1206.4	1222.6	1242.9	1263.1	1267.2	1267.2	1259.1
65°	995.9	1024.3	1036.4	1044.5	1064.8	1093.1	1117.4	1133.6	1137.6	1133.6	1133.6
67.5°	870.4	894.7	910.9	915.0	935.2	963.5	975.7	991.9	995.9	995.9	991.9
70°	744.9	773.3	785.4	793.5	809.7	834.0	846.1	862.3	866.4	870.4	862.3
72.5°	627.5	647.8	659.9	668.0	688.2	708.5	716.6	732.8	740.9	740.9	732.8
75°	510.1	530.4	538.4	546.5	562.7	583.0	591.1	607.3	615.4	611.3	611.3
77.5°	396.8	412.9	421.0	425.1	437.2	461.5	465.6	481.8	481.8	485.8	485.8
80°	291.5	303.6	311.7	315.8	323.9	340.1	348.2	360.3	368.4	364.4	364.4
82.5°	194.3	202.4	210.5	218.6	218.6	234.8	234.8	247.0	247.0	255.1	251.0
85°	109.3	113.4	117.4	121.5	121.5	133.6	133.6	141.7	149.8	141.7	141.7
87.5°	36.4	40.5	40.5	44.5	40.5	48.6	44.5	52.6	56.7	56.7	52.6
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: P572081

CATALOG NUMBER: 22ID-80-L840-SWR

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3
2.5°	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3
5°	2943.2	2943.2	2939.2	2943.2	2943.2	2943.2	2943.2	2939.2	2939.2	2939.2	2939.2
7.5°	2935.1	2931.1	2931.1	2931.1	2927.1	2927.1	2927.1	2927.1	2923.0	2923.0	2923.0
10°	2923.0	2919.0	2919.0	2919.0	2914.9	2914.9	2910.9	2906.8	2906.8	2902.8	2898.7
12.5°	2906.8	2902.8	2898.7	2898.7	2894.7	2890.6	2886.6	2882.5	2878.5	2870.4	2870.4
15°	2878.5	2878.5	2874.4	2870.4	2862.3	2862.3	2854.2	2850.1	2842.0	2833.9	2833.9
17.5°	2850.1	2846.1	2842.0	2833.9	2825.8	2821.8	2813.7	2805.6	2797.5	2789.4	2785.4
20°	2813.7	2801.5	2805.6	2793.5	2785.4	2777.3	2765.1	2757.0	2744.9	2736.8	2728.7
22.5°	2765.1	2761.1	2757.0	2744.9	2732.7	2728.7	2708.4	2696.3	2684.1	2672.0	2663.9
25°	2712.5	2708.4	2704.4	2692.2	2676.0	2667.9	2647.7	2635.6	2615.3	2607.2	2599.1
27.5°	2651.8	2651.8	2643.7	2627.5	2615.3	2595.1	2582.9	2558.6	2542.4	2530.3	2522.2
30°	2587.0	2587.0	2578.9	2558.6	2542.4	2522.2	2510.1	2485.8	2465.5	2453.4	2437.2
32.5°	2522.2	2518.2	2510.1	2489.8	2469.6	2449.3	2425.0	2404.8	2380.5	2368.4	2352.2
35°	2445.3	2441.2	2433.1	2408.8	2392.7	2368.4	2340.0	2315.7	2291.4	2279.3	2255.0
37.5°	2364.3	2356.2	2348.1	2319.8	2299.5	2275.2	2255.0	2222.6	2198.3	2182.1	2170.0
40°	2275.2	2271.2	2259.1	2234.8	2206.4	2182.1	2153.8	2129.5	2105.2	2085.0	2068.8
42.5°	2186.2	2170.0	2161.9	2137.6	2117.4	2080.9	2060.7	2028.3	2004.0	1987.8	1963.5
45°	2085.0	2072.8	2060.7	2036.4	2008.0	1979.7	1959.5	1923.0	1898.7	1878.5	1858.3
47.5°	1971.6	1967.6	1955.4	1927.1	1902.8	1874.4	1850.2	1813.7	1789.4	1773.2	1753.0
50°	1858.3	1854.2	1846.1	1817.8	1785.4	1761.1	1740.8	1704.4	1680.1	1655.8	1643.7
52.5°	1753.0	1736.8	1728.7	1704.4	1672.0	1643.7	1627.5	1591.1	1566.8	1542.5	1526.3
55°	1631.5	1619.4	1611.3	1591.1	1562.7	1526.3	1510.1	1477.7	1457.5	1441.3	1417.0
57.5°	1510.1	1493.9	1485.8	1461.5	1441.3	1412.9	1392.7	1360.3	1340.0	1323.9	1307.7
60°	1372.4	1372.4	1364.3	1340.0	1319.8	1291.5	1275.3	1242.9	1222.6	1210.5	1190.3
62.5°	1259.1	1242.9	1238.8	1210.5	1198.4	1170.0	1157.9	1129.5	1117.4	1097.1	1076.9
65°	1117.4	1117.4	1113.3	1097.1	1080.9	1044.5	1028.3	1004.0	991.9	975.7	959.5
67.5°	991.9	979.7	979.7	963.5	943.3	923.1	910.9	886.6	878.5	858.3	846.1
70°	866.4	854.2	854.2	834.0	821.8	801.6	793.5	773.3	757.1	749.0	736.8
72.5°	740.9	732.8	728.7	712.5	704.4	684.2	680.1	659.9	643.7	639.7	627.5
75°	615.4	607.3	595.1	599.2	583.0	566.8	562.7	550.6	542.5	530.4	518.2
77.5°	489.9	481.8	481.8	473.7	465.6	453.4	449.4	441.3	429.1	421.0	412.9
80°	372.5	364.4	364.4	360.3	348.2	340.1	340.1	327.9	327.9	319.8	315.8
82.5°	255.1	251.0	247.0	251.0	242.9	234.8	238.9	234.8	230.8	222.7	218.6
85°	149.8	145.7	141.7	149.8	141.7	145.7	141.7	137.6	137.6	133.6	129.6
87.5°	56.7	56.7	52.6	56.7	56.7	60.7	56.7	56.7	56.7	56.7	56.7
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: P572081

CATALOG NUMBER: 22ID-80-L840-SWR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3
2.5°	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3
5°	2939.2	2939.2	2939.2	2939.2	2939.2	2939.2	2939.2	2939.2	2939.2	2935.1	2939.2
7.5°	2923.0	2919.0	2923.0	2919.0	2919.0	2919.0	2919.0	2919.0	2919.0	2919.0	2919.0
10°	2898.7	2898.7	2898.7	2898.7	2898.7	2898.7	2898.7	2898.7	2898.7	2894.7	2894.7
12.5°	2870.4	2870.4	2866.3	2866.3	2866.3	2862.3	2862.3	2866.3	2866.3	2862.3	2866.3
15°	2829.9	2833.9	2825.8	2821.8	2821.8	2821.8	2821.8	2821.8	2821.8	2821.8	2825.8
17.5°	2785.4	2781.3	2777.3	2777.3	2773.2	2769.2	2769.2	2773.2	2773.2	2777.3	2777.3
20°	2728.7	2728.7	2720.6	2716.5	2712.5	2708.4	2708.4	2712.5	2712.5	2712.5	2720.6
22.5°	2663.9	2659.9	2651.8	2647.7	2647.7	2639.6	2643.7	2647.7	2647.7	2647.7	2651.8
25°	2591.0	2587.0	2582.9	2578.9	2570.8	2566.7	2566.7	2574.8	2574.8	2582.9	2587.0
27.5°	2514.1	2510.1	2502.0	2493.9	2489.8	2485.8	2485.8	2493.9	2493.9	2502.0	2506.0
30°	2433.1	2429.1	2416.9	2412.9	2400.7	2396.7	2400.7	2408.8	2412.9	2416.9	2421.0
32.5°	2348.1	2340.0	2327.9	2323.8	2311.7	2315.7	2307.6	2319.8	2323.8	2327.9	2331.9
35°	2255.0	2246.9	2234.8	2222.6	2218.6	2214.5	2214.5	2222.6	2222.6	2234.8	2238.8
37.5°	2153.8	2149.7	2137.6	2129.5	2121.4	2121.4	2113.3	2125.5	2129.5	2137.6	2137.6
40°	2060.7	2056.6	2036.4	2028.3	2020.2	2024.2	2012.1	2024.2	2028.3	2036.4	2040.4
42.5°	1951.4	1947.3	1931.1	1923.0	1914.9	1919.0	1906.8	1919.0	1914.9	1927.1	1931.1
45°	1846.1	1842.1	1829.9	1813.7	1805.6	1809.7	1809.7	1809.7	1805.6	1817.8	1821.8
47.5°	1740.8	1732.7	1720.6	1704.4	1696.3	1700.4	1700.4	1700.4	1696.3	1712.5	1712.5
50°	1631.5	1623.4	1611.3	1595.1	1591.1	1591.1	1591.1	1591.1	1591.1	1599.2	1603.2
52.5°	1518.2	1514.1	1502.0	1485.8	1477.7	1477.7	1477.7	1469.6	1477.7	1481.7	1485.8
55°	1404.8	1400.8	1380.5	1372.4	1364.3	1368.4	1364.3	1360.3	1360.3	1368.4	1372.4
57.5°	1291.5	1287.4	1275.3	1271.2	1251.0	1255.0	1251.0	1251.0	1255.0	1255.0	1259.1
60°	1178.1	1174.1	1161.9	1157.9	1141.7	1145.7	1129.5	1137.6	1141.7	1141.7	1141.7
62.5°	1056.7	1056.7	1036.4	1028.3	1020.2	1024.3	1012.1	1012.1	1012.1	1020.2	1020.2
65°	947.3	943.3	927.1	919.0	910.9	910.9	902.8	902.8	898.8	906.9	906.9
67.5°	834.0	834.0	817.8	809.7	801.6	805.6	793.5	793.5	797.6	797.6	797.6
70°	724.7	724.7	712.5	708.5	696.3	696.3	684.2	688.2	688.2	688.2	688.2
72.5°	619.4	619.4	607.3	603.2	591.1	591.1	578.9	583.0	583.0	578.9	578.9
75°	514.2	518.2	498.0	493.9	485.8	489.9	481.8	477.7	481.8	473.7	473.7
77.5°	408.9	408.9	404.8	400.8	388.7	388.7	384.6	376.5	380.6	372.5	372.5
80°	307.7	311.7	299.6	303.6	291.5	295.5	291.5	283.4	283.4	279.3	275.3
82.5°	214.6	214.6	210.5	214.6	210.5	206.5	202.4	198.4	198.4	190.3	190.3
85°	129.6	133.6	125.5	129.6	129.6	125.5	117.4	117.4	117.4	113.4	113.4
87.5°	52.6	60.7	56.7	56.7	56.7	56.7	52.6	56.7	52.6	48.6	48.6
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: P572081

CATALOG NUMBER: 22ID-80-L840-SWR

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3	2947.3
2.5°	2943.2	2947.3	2947.3	2947.3	2947.3	2943.2	2943.2	2943.2	2943.2	2943.2	2947.3
5°	2935.1	2939.2	2939.2	2939.2	2939.2	2939.2	2939.2	2939.2	2939.2	2939.2	2939.2
7.5°	2919.0	2919.0	2923.0	2923.0	2923.0	2923.0	2927.1	2923.0	2927.1	2923.0	2927.1
10°	2894.7	2898.7	2902.8	2902.8	2906.8	2902.8	2906.8	2906.8	2910.9	2910.9	2910.9
12.5°	2866.3	2870.4	2870.4	2878.5	2878.5	2878.5	2882.5	2882.5	2886.6	2890.6	2890.6
15°	2825.8	2829.9	2833.9	2833.9	2842.0	2850.1	2850.1	2854.2	2858.2	2862.3	2862.3
17.5°	2777.3	2781.3	2785.4	2793.5	2801.5	2809.6	2813.7	2813.7	2821.8	2825.8	2825.8
20°	2720.6	2728.7	2736.8	2744.9	2748.9	2761.1	2765.1	2769.2	2777.3	2785.4	2785.4
22.5°	2659.9	2663.9	2676.0	2684.1	2692.2	2704.4	2708.4	2720.6	2728.7	2732.7	2736.8
25°	2587.0	2595.1	2607.2	2615.3	2623.4	2639.6	2651.8	2659.9	2672.0	2680.1	2680.1
27.5°	2506.0	2518.2	2530.3	2538.4	2550.5	2570.8	2582.9	2591.0	2607.2	2615.3	2619.4
30°	2425.0	2433.1	2449.3	2461.5	2473.6	2493.9	2510.1	2522.2	2538.4	2546.5	2550.5
32.5°	2336.0	2348.1	2364.3	2376.5	2392.7	2412.9	2429.1	2441.2	2465.5	2469.6	2473.6
35°	2242.9	2255.0	2267.1	2287.4	2303.6	2323.8	2344.1	2360.3	2372.4	2388.6	2392.7
37.5°	2145.7	2157.8	2174.0	2190.2	2206.4	2230.7	2251.0	2263.1	2283.3	2295.5	2303.6
40°	2044.5	2056.6	2076.9	2097.1	2109.3	2133.5	2153.8	2170.0	2198.3	2206.4	2206.4
42.5°	1935.2	1951.4	1963.5	1987.8	1999.9	2028.3	2048.5	2072.8	2089.0	2101.2	2105.2
45°	1829.9	1842.1	1866.3	1882.5	1894.7	1923.0	1943.3	1963.5	1983.8	1991.9	1999.9
47.5°	1716.6	1732.7	1753.0	1761.1	1781.3	1809.7	1829.9	1850.2	1874.4	1882.5	1886.6
50°	1607.2	1619.4	1631.5	1647.7	1663.9	1692.3	1716.6	1736.8	1757.0	1765.1	1769.2
52.5°	1493.9	1506.0	1518.2	1538.4	1546.5	1574.9	1587.0	1607.2	1635.6	1643.7	1647.7
55°	1376.5	1392.7	1408.9	1421.0	1429.1	1453.4	1469.6	1493.9	1510.1	1518.2	1526.3
57.5°	1259.1	1271.2	1287.4	1303.6	1307.7	1332.0	1352.2	1364.3	1384.6	1392.7	1400.8
60°	1145.7	1157.9	1170.0	1174.1	1186.2	1210.5	1230.7	1238.8	1259.1	1267.2	1271.2
62.5°	1024.3	1028.3	1044.5	1056.7	1056.7	1089.0	1101.2	1117.4	1133.6	1137.6	1145.7
65°	910.9	919.0	919.0	927.1	939.2	959.5	967.6	987.8	1000.0	1004.0	1008.1
67.5°	797.6	805.6	813.7	821.8	821.8	842.1	846.1	862.3	874.5	878.5	882.6
70°	688.2	688.2	700.4	708.5	704.4	720.6	728.7	736.8	753.0	757.1	761.1
72.5°	583.0	578.9	587.0	595.1	603.2	607.3	615.4	619.4	631.6	639.7	643.7
75°	477.7	481.8	481.8	485.8	481.8	485.8	498.0	510.1	518.2	522.3	530.4
77.5°	372.5	376.5	376.5	380.6	384.6	384.6	388.7	404.8	412.9	417.0	412.9
80°	275.3	279.3	279.3	283.4	287.4	291.5	291.5	299.6	311.7	315.8	315.8
82.5°	194.3	194.3	194.3	194.3	198.4	198.4	202.4	210.5	218.6	218.6	226.7
85°	117.4	117.4	113.4	117.4	113.4	117.4	121.5	129.6	133.6	133.6	137.6
87.5°	52.6	48.6	52.6	52.6	48.6	48.6	48.6	52.6	52.6	56.7	56.7
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: P572081

CATALOG NUMBER: 22ID-80-L840-SWR

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2947.3	2947.3	2947.3	2947.3
2.5°	2947.3	2947.3	2947.3	2947.3
5°	2939.2	2939.2	2939.2	2939.2
7.5°	2927.1	2927.1	2927.1	2927.1
10°	2910.9	2914.9	2914.9	2914.9
12.5°	2890.6	2890.6	2894.7	2894.7
15°	2866.3	2866.3	2866.3	2870.4
17.5°	2829.9	2833.9	2833.9	2833.9
20°	2789.4	2793.5	2793.5	2789.4
22.5°	2736.8	2740.8	2744.9	2744.9
25°	2684.1	2692.2	2696.3	2696.3
27.5°	2623.4	2631.5	2635.6	2635.6
30°	2558.6	2566.7	2566.7	2566.7
32.5°	2481.7	2493.9	2497.9	2497.9
35°	2400.7	2416.9	2421.0	2421.0
37.5°	2315.7	2323.8	2336.0	2336.0
40°	2222.6	2230.7	2242.9	2242.9
42.5°	2121.4	2137.6	2137.6	2145.7
45°	2012.1	2028.3	2032.3	2040.4
47.5°	1902.8	1919.0	1923.0	1927.1
50°	1785.4	1797.5	1809.7	1809.7
52.5°	1668.0	1676.1	1684.2	1692.3
55°	1542.5	1554.6	1558.7	1566.8
57.5°	1412.9	1429.1	1433.2	1441.3
60°	1287.4	1299.6	1307.7	1311.7
62.5°	1161.9	1170.0	1174.1	1182.2
65°	1024.3	1036.4	1036.4	1044.5
67.5°	898.8	906.9	910.9	915.0
70°	765.2	781.4	785.4	793.5
72.5°	647.8	664.0	664.0	672.0
75°	542.5	546.5	546.5	554.6
77.5°	429.1	433.2	437.2	441.3
80°	323.9	327.9	327.9	336.0
82.5°	230.8	230.8	230.8	234.8
85°	141.7	137.6	133.6	137.6
87.5°	56.7	56.7	60.7	52.6
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P572081

CATALOG NUMBER: 22ID-80-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	19.11	20.74	19.47	21.05	21.36	17.99	19.62	18.36	19.93	20.25
	3H	20.86	22.33	21.24	22.66	23.02	19.61	21.08	19.99	21.41	21.77
	4H	21.52	22.90	21.92	23.25	23.63	20.20	21.59	20.60	21.93	22.31
	6H	22.01	23.29	22.42	23.66	24.05	20.64	21.92	21.05	22.28	22.67
	8H	22.17	23.39	22.59	23.78	24.18	20.77	21.99	21.19	22.38	22.78
	12H	22.27	23.44	22.70	23.82	24.25	20.85	22.02	21.28	22.41	22.83
4H	2H	19.59	20.98	19.99	21.32	21.70	18.69	20.08	19.09	20.42	20.80
	3H	21.57	22.73	21.98	23.13	23.53	20.52	21.68	20.93	22.07	22.47
	4H	22.36	23.41	22.80	23.83	24.26	21.22	22.27	21.65	22.68	23.12
	6H	23.00	23.91	23.45	24.35	24.81	21.77	22.68	22.22	23.12	23.58
	8H	23.21	24.07	23.67	24.51	24.97	21.94	22.80	22.40	23.24	23.70
	12H	23.35	24.12	23.83	24.60	25.07	22.06	22.83	22.54	23.30	23.77
8H	4H	22.60	23.46	23.06	23.90	24.36	21.57	22.43	22.03	22.87	23.33
	6H	23.34	24.05	23.84	24.54	25.02	22.22	22.94	22.72	23.42	23.90
	8H	23.63	24.27	24.14	24.77	25.26	22.46	23.10	22.97	23.60	24.09
	12H	23.85	24.42	24.36	24.91	25.47	22.64	23.20	23.14	23.69	24.25
12H	4H	22.62	23.39	23.10	23.86	24.33	21.61	22.38	22.09	22.86	23.33
	6H	23.38	24.02	23.88	24.52	25.01	22.29	22.93	22.80	23.43	23.92
	8H	23.71	24.28	24.22	24.77	25.33	22.58	23.14	23.08	23.63	24.19

END OF REPORT