

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: P572085

Luminaire Tested: 22ID-80-L850-SWR

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P572085
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: 221D-80-L850-SWR
Description: 8000 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: 8398.0 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

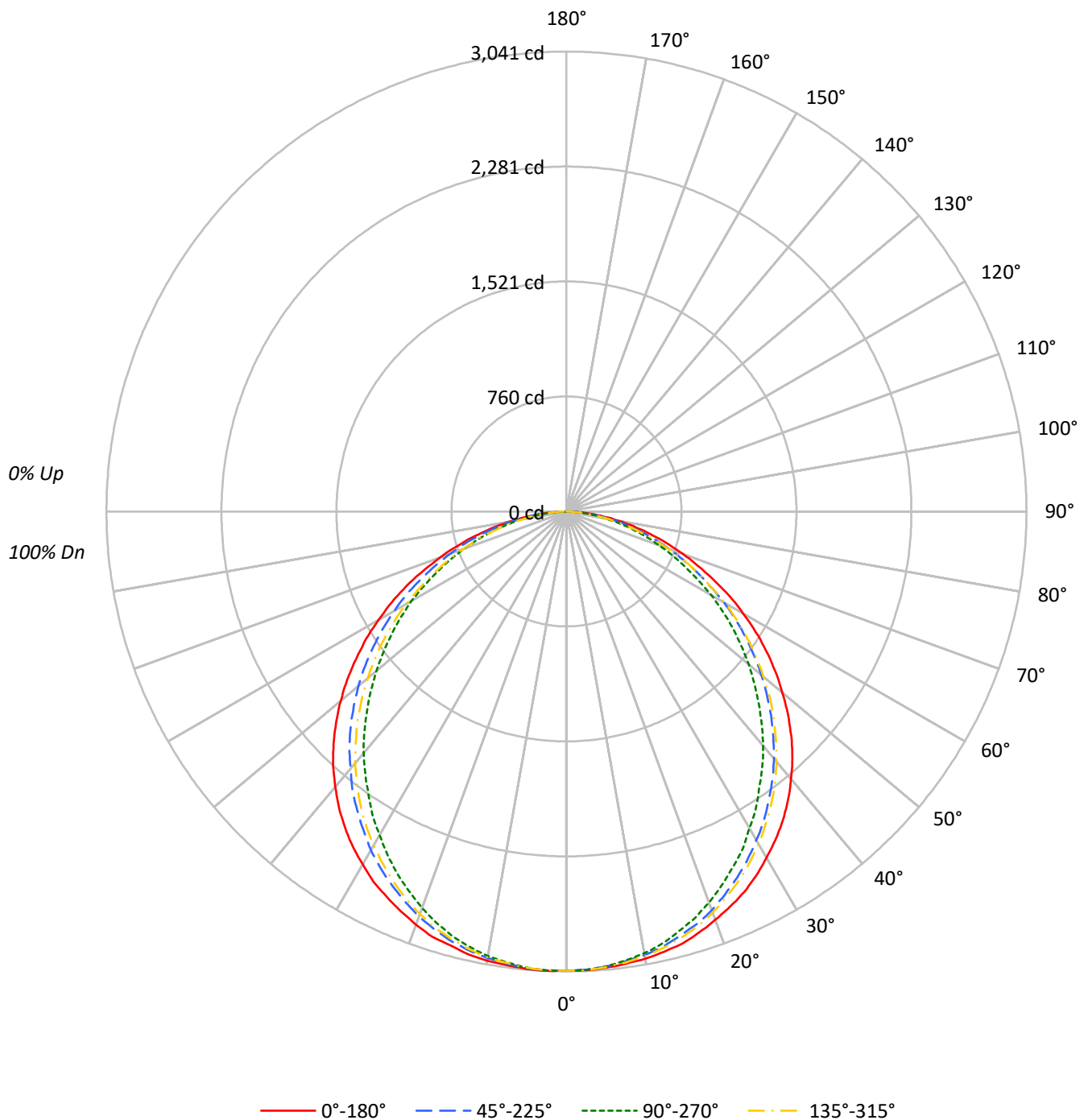
Input Watts (W): 70.8
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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CATALOG NUMBER: 22ID-80-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				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	104	100	96	106	102	98	95	98	94	92		94	91	89		90
2	99	91	84	78	96	89	83	77	85	80	76		82	78	74		79
3	90	80	72	65	88	78	71	65	75	69	64		73	67	62		70
4	83	71	62	55	80	69	61	55	67	60	54		65	58	53		62
5	76	63	54	48	74	62	54	47	60	53	47		58	52	46		56
6	70	57	48	42	68	56	48	42	54	47	41		53	46	41		51
7	65	52	43	37	64	51	43	37	49	42	36		48	41	36		47
8	61	47	39	33	59	47	38	33	45	38	33		44	37	32		43
9	57	43	35	30	55	43	35	30	42	34	29		41	34	29		40
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8171	8171	8171	8171
5°	8180	8158	8203	8180
10°	8206	8104	8241	8161
15°	8239	8006	8274	8099
20°	8230	7884	8326	7991
25°	8248	7716	8348	7852
30°	8217	7517	8373	7673
35°	8194	7303	8386	7495
40°	8117	7106	8352	7326
45°	8001	6842	8286	7096
50°	7806	6583	8155	6863
55°	7573	6282	7965	6615
60°	7274	5949	7723	6353
65°	6853	5524	7436	5976
70°	6432	5120	6991	5644
75°	5941	4640	6505	5247
80°	5365	4073	5752	4719
85°	4378	3350	4508	3992

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 8286 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.6	3.4
10°-20°	825.3	9.8
20°-30°	1245.7	14.8
30°-40°	1487.3	17.7
40°-50°	1517.6	18.1
50°-60°	1338.4	15.9
60°-70°	989.1	11.8
70°-80°	557.7	6.6
80°-90°	149.3	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°	2358.6	28.1
0°-40°	3845.9	45.8
0°-60°	6701.9	79.8
0°-90°	8398.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8398.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3037	3037	3037	3037	3037	
5°	3028	3020	3037	3028	3028	288
15°	2957	2874	2970	2907	2957	834
25°	2778	2599	2811	2644	2778	1279
35°	2494	2223	2553	2282	2494	1559
45°	2102	1798	2177	1864	2102	1619
55°	1614	1339	1698	1410	1614	1442
65°	1076	868	1168	938	1076	1069
75°	571	446	626	505	571	607
85°	142	108	146	129	142	166
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°	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6
2.5°	3036.6	3036.6	3036.6	3036.6	3032.4	3028.3	3028.3	3032.4	3032.4	3028.3	3032.4
5°	3028.3	3028.3	3028.3	3024.1	3019.9	3019.9	3019.9	3019.9	3015.8	3019.9	3019.9
7.5°	3015.8	3015.8	3015.8	3011.6	3007.4	3007.4	3007.4	3003.2	2999.1	3003.2	2999.1
10°	3003.2	2999.1	2999.1	2999.1	2990.7	2986.6	2986.6	2986.6	2982.4	2982.4	2978.2
12.5°	2982.4	2978.2	2978.2	2974.0	2969.9	2965.7	2961.5	2957.4	2953.2	2949.0	2949.0
15°	2957.4	2957.4	2949.0	2944.8	2936.5	2932.3	2928.2	2924.0	2915.6	2911.5	2903.1
17.5°	2919.8	2919.8	2911.5	2907.3	2899.0	2890.6	2890.6	2882.3	2873.9	2865.6	2861.4
20°	2873.9	2878.1	2873.9	2865.6	2853.1	2848.9	2844.7	2836.4	2823.9	2815.5	2807.2
22.5°	2828.0	2832.2	2823.9	2811.4	2803.0	2798.9	2790.5	2778.0	2765.5	2753.0	2740.5
25°	2778.0	2773.8	2765.5	2757.1	2744.6	2740.5	2732.1	2719.6	2698.7	2686.2	2669.5
27.5°	2715.4	2715.4	2702.9	2694.6	2673.7	2673.7	2661.2	2644.5	2627.8	2607.0	2594.5
30°	2644.5	2644.5	2636.2	2623.7	2602.8	2598.6	2586.1	2573.6	2548.6	2527.7	2511.0
32.5°	2573.6	2569.4	2561.1	2548.6	2527.7	2519.4	2506.9	2490.2	2469.3	2440.1	2427.6
35°	2494.4	2490.2	2477.7	2461.0	2444.3	2436.0	2423.4	2402.6	2381.7	2352.5	2331.7
37.5°	2406.8	2402.6	2390.1	2373.4	2352.5	2344.2	2331.7	2310.8	2281.6	2260.8	2235.7
40°	2310.8	2306.7	2298.3	2281.6	2260.8	2252.4	2235.7	2214.9	2181.5	2156.5	2135.6
42.5°	2210.7	2206.5	2194.0	2173.2	2156.5	2148.1	2131.5	2110.6	2081.4	2052.2	2023.0
45°	2102.3	2098.1	2085.6	2060.6	2048.0	2035.5	2018.8	1998.0	1973.0	1947.9	1914.6
47.5°	1985.5	1981.3	1973.0	1952.1	1927.1	1922.9	1906.2	1885.4	1856.2	1822.8	1797.8
50°	1864.5	1864.5	1852.0	1835.3	1818.6	1806.1	1789.4	1768.6	1731.0	1710.2	1681.0
52.5°	1743.5	1739.4	1731.0	1710.2	1697.7	1685.1	1664.3	1651.8	1614.2	1597.6	1564.2
55°	1614.2	1610.1	1593.4	1580.9	1572.5	1560.0	1543.3	1518.3	1497.4	1472.4	1443.2
57.5°	1484.9	1480.8	1468.2	1459.9	1443.2	1430.7	1414.0	1397.3	1368.1	1351.5	1322.3
60°	1351.5	1351.5	1343.1	1330.6	1313.9	1301.4	1288.9	1272.2	1247.2	1222.2	1201.3
62.5°	1218.0	1218.0	1205.5	1193.0	1184.6	1172.1	1163.8	1142.9	1122.0	1105.4	1072.0
65°	1076.2	1076.2	1059.5	1055.3	1047.0	1038.6	1026.1	1005.3	992.7	963.5	951.0
67.5°	942.7	946.9	934.3	934.3	921.8	913.5	901.0	884.3	871.8	846.7	834.2
70°	817.5	821.7	813.4	809.2	796.7	788.3	780.0	767.5	750.8	742.5	721.6
72.5°	692.4	696.6	688.2	688.2	675.7	671.6	663.2	654.9	638.2	629.8	609.0
75°	571.4	567.3	567.3	571.4	558.9	554.8	550.6	533.9	525.6	517.2	500.5
77.5°	454.7	454.7	458.8	454.7	446.3	442.1	433.8	421.3	417.1	412.9	396.3
80°	346.2	350.4	350.4	346.2	337.9	333.7	329.5	317.0	312.8	312.8	300.3
82.5°	241.9	241.9	237.8	241.9	233.6	229.4	233.6	221.1	216.9	216.9	208.6
85°	141.8	137.6	137.6	141.8	137.6	137.6	137.6	129.3	129.3	129.3	121.0
87.5°	54.2	54.2	58.4	58.4	54.2	54.2	54.2	54.2	50.1	50.1	45.9
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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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6
2.5°	3028.3	3028.3	3028.3	3028.3	3032.4	3028.3	3032.4	3032.4	3036.6	3032.4	3036.6
5°	3019.9	3019.9	3015.8	3015.8	3015.8	3015.8	3015.8	3015.8	3015.8	3019.9	3019.9
7.5°	2999.1	2999.1	2994.9	2994.9	2994.9	2994.9	2990.7	2990.7	2994.9	2994.9	2994.9
10°	2974.0	2969.9	2965.7	2965.7	2965.7	2965.7	2961.5	2965.7	2965.7	2965.7	2965.7
12.5°	2936.5	2936.5	2932.3	2928.2	2928.2	2928.2	2924.0	2928.2	2928.2	2928.2	2928.2
15°	2899.0	2894.8	2890.6	2882.3	2882.3	2878.1	2873.9	2878.1	2873.9	2873.9	2878.1
17.5°	2844.7	2844.7	2836.4	2832.2	2828.0	2823.9	2819.7	2819.7	2819.7	2819.7	2828.0
20°	2790.5	2786.3	2778.0	2761.3	2765.5	2761.3	2753.0	2757.1	2757.1	2753.0	2753.0
22.5°	2732.1	2715.4	2707.1	2690.4	2694.6	2686.2	2682.1	2686.2	2682.1	2677.9	2686.2
25°	2652.9	2644.5	2623.7	2623.7	2615.3	2611.1	2611.1	2607.0	2602.8	2598.6	2607.0
27.5°	2581.9	2565.3	2552.8	2536.1	2527.7	2527.7	2523.6	2519.4	2511.0	2519.4	2519.4
30°	2494.4	2477.7	2456.8	2448.5	2440.1	2440.1	2431.8	2427.6	2419.3	2419.3	2431.8
32.5°	2410.9	2385.9	2365.0	2352.5	2348.4	2344.2	2340.0	2323.3	2327.5	2331.7	2335.9
35°	2310.8	2290.0	2273.3	2260.8	2248.3	2244.1	2239.9	2227.4	2227.4	2223.2	2235.7
37.5°	2214.9	2189.9	2177.3	2156.5	2148.1	2139.8	2135.6	2127.3	2123.1	2127.3	2131.5
40°	2110.6	2089.8	2068.9	2048.0	2039.7	2035.5	2023.0	2023.0	2014.7	2023.0	2023.0
42.5°	2002.2	1981.3	1956.3	1939.6	1931.2	1922.9	1914.6	1910.4	1910.4	1910.4	1914.6
45°	1893.7	1868.7	1843.7	1827.0	1818.6	1814.5	1801.9	1797.8	1789.4	1797.8	1801.9
47.5°	1776.9	1756.1	1731.0	1718.5	1706.0	1701.8	1689.3	1681.0	1676.8	1685.1	1685.1
50°	1660.1	1639.3	1618.4	1601.7	1589.2	1585.0	1572.5	1572.5	1564.2	1572.5	1572.5
52.5°	1543.3	1522.5	1501.6	1480.8	1472.4	1468.2	1455.7	1455.7	1455.7	1455.7	1455.7
55°	1426.5	1397.3	1384.8	1364.0	1355.6	1351.5	1347.3	1334.8	1338.9	1338.9	1338.9
57.5°	1305.6	1284.7	1259.7	1251.3	1238.8	1234.7	1234.7	1218.0	1213.8	1222.2	1222.2
60°	1184.6	1167.9	1142.9	1130.4	1122.0	1122.0	1109.5	1092.8	1088.7	1105.4	1105.4
62.5°	1059.5	1034.4	1021.9	1009.4	1001.1	996.9	992.7	980.2	984.4	980.2	980.2
65°	942.7	917.7	909.3	896.8	888.5	884.3	880.1	871.8	863.4	867.6	867.6
67.5°	825.9	805.0	792.5	784.2	775.8	775.8	767.5	759.2	763.3	759.2	759.2
70°	713.3	696.6	679.9	675.7	667.4	667.4	663.2	659.0	654.9	650.7	650.7
72.5°	604.8	588.1	575.6	567.3	563.1	563.1	558.9	546.4	550.6	546.4	546.4
75°	492.2	479.7	475.5	467.2	463.0	463.0	458.8	450.5	454.7	446.3	438.0
77.5°	392.1	379.6	375.4	371.2	375.4	371.2	358.7	362.9	358.7	350.4	350.4
80°	300.3	287.8	287.8	279.5	275.3	275.3	271.1	271.1	267.0	262.8	262.8
82.5°	204.4	200.2	196.0	191.9	187.7	196.0	187.7	183.5	183.5	183.5	179.4
85°	116.8	116.8	112.6	112.6	108.5	112.6	108.5	104.3	108.5	108.5	100.1
87.5°	45.9	50.1	41.7	41.7	41.7	41.7	37.5	41.7	41.7	41.7	37.5
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):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6
2.5°	3036.6	3032.4	3032.4	3032.4	3032.4	3028.3	3032.4	3032.4	3036.6	3032.4	3032.4
5°	3019.9	3015.8	3019.9	3015.8	3015.8	3019.9	3019.9	3024.1	3024.1	3028.3	3028.3
7.5°	2994.9	2994.9	2994.9	2994.9	2994.9	2999.1	2999.1	3003.2	3007.4	3007.4	3011.6
10°	2965.7	2965.7	2969.9	2965.7	2969.9	2974.0	2978.2	2982.4	2986.6	2990.7	2990.7
12.5°	2928.2	2928.2	2928.2	2936.5	2936.5	2940.7	2944.8	2953.2	2957.4	2965.7	2965.7
15°	2878.1	2878.1	2886.4	2886.4	2890.6	2899.0	2907.3	2911.5	2919.8	2928.2	2932.3
17.5°	2823.9	2823.9	2832.2	2832.2	2836.4	2848.9	2857.2	2861.4	2878.1	2886.4	2894.8
20°	2761.3	2761.3	2773.8	2769.7	2778.0	2790.5	2798.9	2811.4	2823.9	2836.4	2844.7
22.5°	2686.2	2690.4	2702.9	2702.9	2707.1	2723.8	2736.3	2748.8	2761.3	2778.0	2790.5
25°	2607.0	2611.1	2623.7	2627.8	2632.0	2648.7	2665.4	2673.7	2694.6	2715.4	2723.8
27.5°	2519.4	2527.7	2536.1	2540.2	2548.6	2569.4	2586.1	2602.8	2619.5	2640.3	2657.0
30°	2431.8	2440.1	2448.5	2452.6	2461.0	2481.8	2498.5	2519.4	2540.2	2561.1	2577.8
32.5°	2331.7	2344.2	2352.5	2360.9	2365.0	2390.1	2410.9	2431.8	2452.6	2477.7	2498.5
35°	2235.7	2248.3	2256.6	2260.8	2269.1	2294.1	2310.8	2331.7	2360.9	2385.9	2406.8
37.5°	2131.5	2139.8	2156.5	2156.5	2164.8	2194.0	2214.9	2235.7	2264.9	2290.0	2315.0
40°	2027.2	2031.4	2048.0	2052.2	2060.6	2089.8	2110.6	2139.8	2160.7	2189.9	2214.9
42.5°	1914.6	1927.1	1943.8	1952.1	1960.4	1977.1	1993.8	2027.2	2048.0	2081.4	2106.4
45°	1801.9	1814.5	1822.8	1827.0	1847.8	1864.5	1881.2	1914.6	1939.6	1968.8	1998.0
47.5°	1689.3	1697.7	1710.2	1726.9	1735.2	1751.9	1764.4	1797.8	1822.8	1856.2	1881.2
50°	1572.5	1585.0	1593.4	1597.6	1614.2	1635.1	1651.8	1681.0	1701.8	1735.2	1764.4
52.5°	1455.7	1472.4	1472.4	1489.1	1497.4	1505.8	1530.8	1560.0	1580.9	1610.1	1639.3
55°	1343.1	1351.5	1364.0	1368.1	1380.7	1389.0	1405.7	1434.9	1459.9	1489.1	1518.3
57.5°	1218.0	1226.3	1234.7	1251.3	1259.7	1276.4	1293.1	1313.9	1334.8	1364.0	1384.8
60°	1097.0	1109.5	1117.9	1130.4	1130.4	1151.2	1172.1	1193.0	1209.6	1238.8	1259.7
62.5°	988.6	988.6	988.6	1005.3	1001.1	1017.8	1034.4	1059.5	1076.2	1113.7	1138.7
65°	871.8	875.9	875.9	888.5	884.3	901.0	913.5	938.5	955.2	976.1	1001.1
67.5°	759.2	759.2	763.3	775.8	771.7	784.2	805.0	817.5	830.1	855.1	875.9
70°	642.4	646.5	650.7	663.2	659.0	675.7	688.2	696.6	713.3	730.0	746.6
72.5°	542.3	542.3	554.8	554.8	550.6	563.1	575.6	584.0	592.3	613.2	634.0
75°	446.3	442.1	450.5	450.5	446.3	450.5	458.8	471.3	479.7	496.4	513.1
77.5°	350.4	346.2	354.5	354.5	354.5	350.4	362.9	367.1	371.2	379.6	396.3
80°	258.6	254.4	262.8	262.8	254.4	258.6	267.0	271.1	271.1	279.5	292.0
82.5°	179.4	175.2	179.4	179.4	179.4	179.4	183.5	179.4	183.5	183.5	196.0
85°	108.5	104.3	108.5	104.3	104.3	100.1	108.5	104.3	104.3	108.5	108.5
87.5°	37.5	37.5	41.7	41.7	37.5	41.7	37.5	37.5	37.5	41.7	37.5
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: P572085

CATALOG NUMBER: 22ID-80-L850-SWR

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6
2.5°	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3040.8	3040.8	3036.6	3040.8	3036.6
5°	3028.3	3028.3	3032.4	3032.4	3032.4	3032.4	3032.4	3036.6	3036.6	3036.6	3032.4
7.5°	3015.8	3015.8	3015.8	3015.8	3019.9	3024.1	3024.1	3024.1	3028.3	3024.1	3024.1
10°	2994.9	3003.2	3003.2	3007.4	3007.4	3011.6	3015.8	3015.8	3015.8	3015.8	3015.8
12.5°	2974.0	2978.2	2982.4	2986.6	2990.7	2990.7	2999.1	2999.1	2999.1	2999.1	2994.9
15°	2940.7	2949.0	2953.2	2957.4	2965.7	2965.7	2974.0	2969.9	2978.2	2974.0	2969.9
17.5°	2903.1	2911.5	2919.8	2919.8	2932.3	2936.5	2944.8	2949.0	2949.0	2944.8	2936.5
20°	2857.2	2869.8	2873.9	2882.3	2890.6	2899.0	2903.1	2907.3	2911.5	2907.3	2903.1
22.5°	2803.0	2819.7	2823.9	2832.2	2844.7	2853.1	2857.2	2861.4	2865.6	2865.6	2857.2
25°	2744.6	2765.5	2765.5	2778.0	2790.5	2803.0	2811.4	2811.4	2819.7	2811.4	2811.4
27.5°	2673.7	2698.7	2711.3	2715.4	2732.1	2744.6	2753.0	2761.3	2761.3	2753.0	2753.0
30°	2602.8	2627.8	2640.3	2644.5	2665.4	2677.9	2686.2	2694.6	2694.6	2694.6	2686.2
32.5°	2523.6	2552.8	2565.3	2569.4	2594.5	2607.0	2619.5	2627.8	2627.8	2623.7	2611.1
35°	2440.1	2461.0	2481.8	2490.2	2511.0	2523.6	2544.4	2552.8	2548.6	2548.6	2536.1
37.5°	2344.2	2377.6	2390.1	2398.4	2423.4	2440.1	2461.0	2469.3	2469.3	2465.2	2456.8
40°	2244.1	2281.6	2294.1	2306.7	2331.7	2352.5	2365.0	2377.6	2377.6	2377.6	2369.2
42.5°	2144.0	2173.2	2189.9	2202.4	2231.6	2244.1	2264.9	2281.6	2281.6	2277.5	2264.9
45°	2031.4	2064.7	2081.4	2093.9	2123.1	2148.1	2160.7	2177.3	2173.2	2173.2	2156.5
47.5°	1918.7	1952.1	1968.8	1981.3	2010.5	2039.7	2048.0	2064.7	2064.7	2064.7	2048.0
50°	1801.9	1835.3	1847.8	1860.3	1893.7	1910.4	1931.2	1947.9	1947.9	1952.1	1935.4
52.5°	1681.0	1706.0	1726.9	1735.2	1768.6	1789.4	1806.1	1827.0	1827.0	1818.6	1818.6
55°	1551.7	1580.9	1601.7	1610.1	1635.1	1668.5	1681.0	1697.7	1697.7	1697.7	1689.3
57.5°	1422.4	1455.7	1472.4	1480.8	1510.0	1535.0	1551.7	1568.4	1572.5	1572.5	1555.8
60°	1288.9	1322.3	1338.9	1347.3	1380.7	1401.5	1418.2	1434.9	1439.1	1443.2	1426.5
62.5°	1163.8	1193.0	1209.6	1218.0	1243.0	1259.7	1280.5	1301.4	1305.6	1305.6	1297.2
65°	1026.1	1055.3	1067.8	1076.2	1097.0	1126.2	1151.2	1167.9	1172.1	1167.9	1167.9
67.5°	896.8	921.8	938.5	942.7	963.5	992.7	1005.3	1021.9	1026.1	1026.1	1021.9
70°	767.5	796.7	809.2	817.5	834.2	859.3	871.8	888.5	892.6	896.8	888.5
72.5°	646.5	667.4	679.9	688.2	709.1	730.0	738.3	755.0	763.3	763.3	755.0
75°	525.6	546.4	554.8	563.1	579.8	600.6	609.0	625.7	634.0	629.8	629.8
77.5°	408.8	425.5	433.8	438.0	450.5	475.5	479.7	496.4	496.4	500.5	500.5
80°	300.3	312.8	321.2	325.4	333.7	350.4	358.7	371.2	379.6	375.4	375.4
82.5°	200.2	208.6	216.9	225.2	225.2	241.9	241.9	254.4	254.4	262.8	258.6
85°	112.6	116.8	121.0	125.1	125.1	137.6	137.6	146.0	154.3	146.0	146.0
87.5°	37.5	41.7	41.7	45.9	41.7	50.1	45.9	54.2	58.4	58.4	54.2
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: P572085

CATALOG NUMBER: 22ID-80-L850-SWR

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6
2.5°	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6
5°	3032.4	3032.4	3028.3	3032.4	3032.4	3032.4	3032.4	3028.3	3028.3	3028.3	3028.3
7.5°	3024.1	3019.9	3019.9	3019.9	3015.8	3015.8	3015.8	3015.8	3011.6	3011.6	3011.6
10°	3011.6	3007.4	3007.4	3007.4	3003.2	3003.2	2999.1	2994.9	2994.9	2990.7	2986.6
12.5°	2994.9	2990.7	2986.6	2986.6	2982.4	2978.2	2974.0	2969.9	2965.7	2957.4	2957.4
15°	2965.7	2965.7	2961.5	2957.4	2949.0	2949.0	2940.7	2936.5	2928.2	2919.8	2919.8
17.5°	2936.5	2932.3	2928.2	2919.8	2911.5	2907.3	2899.0	2890.6	2882.3	2873.9	2869.8
20°	2899.0	2886.4	2890.6	2878.1	2869.8	2861.4	2848.9	2840.6	2828.0	2819.7	2811.4
22.5°	2848.9	2844.7	2840.6	2828.0	2815.5	2811.4	2790.5	2778.0	2765.5	2753.0	2744.6
25°	2794.7	2790.5	2786.3	2773.8	2757.1	2748.8	2727.9	2715.4	2694.6	2686.2	2677.9
27.5°	2732.1	2732.1	2723.8	2707.1	2694.6	2673.7	2661.2	2636.2	2619.5	2607.0	2598.6
30°	2665.4	2665.4	2657.0	2636.2	2619.5	2598.6	2586.1	2561.1	2540.2	2527.7	2511.0
32.5°	2598.6	2594.5	2586.1	2565.3	2544.4	2523.6	2498.5	2477.7	2452.6	2440.1	2423.4
35°	2519.4	2515.2	2506.9	2481.8	2465.2	2440.1	2410.9	2385.9	2360.9	2348.4	2323.3
37.5°	2436.0	2427.6	2419.3	2390.1	2369.2	2344.2	2323.3	2290.0	2264.9	2248.3	2235.7
40°	2344.2	2340.0	2327.5	2302.5	2273.3	2248.3	2219.1	2194.0	2169.0	2148.1	2131.5
42.5°	2252.4	2235.7	2227.4	2202.4	2181.5	2144.0	2123.1	2089.8	2064.7	2048.0	2023.0
45°	2148.1	2135.6	2123.1	2098.1	2068.9	2039.7	2018.8	1981.3	1956.3	1935.4	1914.6
47.5°	2031.4	2027.2	2014.7	1985.5	1960.4	1931.2	1906.2	1868.7	1843.7	1827.0	1806.1
50°	1914.6	1910.4	1902.1	1872.9	1839.5	1814.5	1793.6	1756.1	1731.0	1706.0	1693.5
52.5°	1806.1	1789.4	1781.1	1756.1	1722.7	1693.5	1676.8	1639.3	1614.2	1589.2	1572.5
55°	1681.0	1668.5	1660.1	1639.3	1610.1	1572.5	1555.8	1522.5	1501.6	1484.9	1459.9
57.5°	1555.8	1539.2	1530.8	1505.8	1484.9	1455.7	1434.9	1401.5	1380.7	1364.0	1347.3
60°	1414.0	1414.0	1405.7	1380.7	1359.8	1330.6	1313.9	1280.5	1259.7	1247.2	1226.3
62.5°	1297.2	1280.5	1276.4	1247.2	1234.7	1205.5	1193.0	1163.8	1151.2	1130.4	1109.5
65°	1151.2	1151.2	1147.1	1130.4	1113.7	1076.2	1059.5	1034.4	1021.9	1005.3	988.6
67.5°	1021.9	1009.4	1009.4	992.7	971.9	951.0	938.5	913.5	905.1	884.3	871.8
70°	892.6	880.1	880.1	859.3	846.7	825.9	817.5	796.7	780.0	771.7	759.2
72.5°	763.3	755.0	750.8	734.1	725.8	704.9	700.8	679.9	663.2	659.0	646.5
75°	634.0	625.7	613.2	617.3	600.6	584.0	579.8	567.3	558.9	546.4	533.9
77.5°	504.7	496.4	496.4	488.0	479.7	467.2	463.0	454.7	442.1	433.8	425.5
80°	383.7	375.4	375.4	371.2	358.7	350.4	350.4	337.9	337.9	329.5	325.4
82.5°	262.8	258.6	254.4	258.6	250.3	241.9	246.1	241.9	237.8	229.4	225.2
85°	154.3	150.2	146.0	154.3	146.0	150.2	146.0	141.8	141.8	137.6	133.5
87.5°	58.4	58.4	54.2	58.4	58.4	62.6	58.4	58.4	58.4	58.4	58.4
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: P572085

CATALOG NUMBER: 22ID-80-L850-SWR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6
2.5°	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6
5°	3028.3	3028.3	3028.3	3028.3	3028.3	3028.3	3028.3	3028.3	3028.3	3024.1	3028.3
7.5°	3011.6	3007.4	3011.6	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4
10°	2986.6	2986.6	2986.6	2986.6	2986.6	2986.6	2986.6	2986.6	2986.6	2982.4	2982.4
12.5°	2957.4	2957.4	2953.2	2953.2	2953.2	2949.0	2949.0	2953.2	2953.2	2949.0	2953.2
15°	2915.6	2919.8	2911.5	2907.3	2907.3	2907.3	2907.3	2907.3	2907.3	2907.3	2911.5
17.5°	2869.8	2865.6	2861.4	2861.4	2857.2	2853.1	2853.1	2857.2	2857.2	2861.4	2861.4
20°	2811.4	2811.4	2803.0	2798.9	2794.7	2790.5	2790.5	2794.7	2794.7	2794.7	2803.0
22.5°	2744.6	2740.5	2732.1	2727.9	2727.9	2719.6	2723.8	2727.9	2727.9	2727.9	2732.1
25°	2669.5	2665.4	2661.2	2657.0	2648.7	2644.5	2644.5	2652.9	2652.9	2661.2	2665.4
27.5°	2590.3	2586.1	2577.8	2569.4	2565.3	2561.1	2561.1	2569.4	2569.4	2577.8	2581.9
30°	2506.9	2502.7	2490.2	2486.0	2473.5	2469.3	2473.5	2481.8	2486.0	2490.2	2494.4
32.5°	2419.3	2410.9	2398.4	2394.2	2381.7	2385.9	2377.6	2390.1	2394.2	2398.4	2402.6
35°	2323.3	2315.0	2302.5	2290.0	2285.8	2281.6	2281.6	2290.0	2290.0	2302.5	2306.7
37.5°	2219.1	2214.9	2202.4	2194.0	2185.7	2185.7	2177.3	2189.9	2194.0	2202.4	2202.4
40°	2123.1	2119.0	2098.1	2089.8	2081.4	2085.6	2073.1	2085.6	2089.8	2098.1	2102.3
42.5°	2010.5	2006.3	1989.6	1981.3	1973.0	1977.1	1964.6	1977.1	1973.0	1985.5	1989.6
45°	1902.1	1897.9	1885.4	1868.7	1860.3	1864.5	1864.5	1864.5	1860.3	1872.9	1877.0
47.5°	1793.6	1785.3	1772.7	1756.1	1747.7	1751.9	1751.9	1751.9	1747.7	1764.4	1764.4
50°	1681.0	1672.6	1660.1	1643.4	1639.3	1639.3	1639.3	1639.3	1639.3	1647.6	1651.8
52.5°	1564.2	1560.0	1547.5	1530.8	1522.5	1522.5	1522.5	1514.1	1522.5	1526.6	1530.8
55°	1447.4	1443.2	1422.4	1414.0	1405.7	1409.9	1405.7	1401.5	1401.5	1409.9	1414.0
57.5°	1330.6	1326.4	1313.9	1309.7	1288.9	1293.1	1288.9	1288.9	1293.1	1293.1	1297.2
60°	1213.8	1209.6	1197.1	1193.0	1176.3	1180.4	1163.8	1172.1	1176.3	1176.3	1176.3
62.5°	1088.7	1088.7	1067.8	1059.5	1051.1	1055.3	1042.8	1042.8	1042.8	1051.1	1051.1
65°	976.1	971.9	955.2	946.9	938.5	938.5	930.2	930.2	926.0	934.3	934.3
67.5°	859.3	859.3	842.6	834.2	825.9	830.1	817.5	817.5	821.7	821.7	821.7
70°	746.6	746.6	734.1	730.0	717.4	717.4	704.9	709.1	709.1	709.1	709.1
72.5°	638.2	638.2	625.7	621.5	609.0	609.0	596.5	600.6	600.6	596.5	596.5
75°	529.7	533.9	513.1	508.9	500.5	504.7	496.4	492.2	496.4	488.0	488.0
77.5°	421.3	421.3	417.1	412.9	400.4	400.4	396.3	387.9	392.1	383.7	383.7
80°	317.0	321.2	308.7	312.8	300.3	304.5	300.3	292.0	292.0	287.8	283.6
82.5°	221.1	221.1	216.9	221.1	216.9	212.7	208.6	204.4	204.4	196.0	196.0
85°	133.5	137.6	129.3	133.5	133.5	129.3	121.0	121.0	121.0	116.8	116.8
87.5°	54.2	62.6	58.4	58.4	58.4	58.4	54.2	58.4	54.2	50.1	50.1
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: P572085

CATALOG NUMBER: 22ID-80-L850-SWR

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6	3036.6
2.5°	3032.4	3036.6	3036.6	3036.6	3036.6	3032.4	3032.4	3032.4	3032.4	3032.4	3036.6
5°	3024.1	3028.3	3028.3	3028.3	3028.3	3028.3	3028.3	3028.3	3028.3	3028.3	3028.3
7.5°	3007.4	3007.4	3011.6	3011.6	3011.6	3011.6	3015.8	3011.6	3015.8	3011.6	3015.8
10°	2982.4	2986.6	2990.7	2990.7	2994.9	2990.7	2994.9	2994.9	2999.1	2999.1	2999.1
12.5°	2953.2	2957.4	2957.4	2965.7	2965.7	2965.7	2969.9	2969.9	2974.0	2978.2	2978.2
15°	2911.5	2915.6	2919.8	2919.8	2928.2	2936.5	2936.5	2940.7	2944.8	2949.0	2949.0
17.5°	2861.4	2865.6	2869.8	2878.1	2886.4	2894.8	2899.0	2899.0	2907.3	2911.5	2911.5
20°	2803.0	2811.4	2819.7	2828.0	2832.2	2844.7	2848.9	2853.1	2861.4	2869.8	2869.8
22.5°	2740.5	2744.6	2757.1	2765.5	2773.8	2786.3	2790.5	2803.0	2811.4	2815.5	2819.7
25°	2665.4	2673.7	2686.2	2694.6	2702.9	2719.6	2732.1	2740.5	2753.0	2761.3	2761.3
27.5°	2581.9	2594.5	2607.0	2615.3	2627.8	2648.7	2661.2	2669.5	2686.2	2694.6	2698.7
30°	2498.5	2506.9	2523.6	2536.1	2548.6	2569.4	2586.1	2598.6	2615.3	2623.7	2627.8
32.5°	2406.8	2419.3	2436.0	2448.5	2465.2	2486.0	2502.7	2515.2	2540.2	2544.4	2548.6
35°	2310.8	2323.3	2335.9	2356.7	2373.4	2394.2	2415.1	2431.8	2444.3	2461.0	2465.2
37.5°	2210.7	2223.2	2239.9	2256.6	2273.3	2298.3	2319.2	2331.7	2352.5	2365.0	2373.4
40°	2106.4	2119.0	2139.8	2160.7	2173.2	2198.2	2219.1	2235.7	2264.9	2273.3	2273.3
42.5°	1993.8	2010.5	2023.0	2048.0	2060.6	2089.8	2110.6	2135.6	2152.3	2164.8	2169.0
45°	1885.4	1897.9	1922.9	1939.6	1952.1	1981.3	2002.2	2023.0	2043.9	2052.2	2060.6
47.5°	1768.6	1785.3	1806.1	1814.5	1835.3	1864.5	1885.4	1906.2	1931.2	1939.6	1943.8
50°	1656.0	1668.5	1681.0	1697.7	1714.3	1743.5	1768.6	1789.4	1810.3	1818.6	1822.8
52.5°	1539.2	1551.7	1564.2	1585.0	1593.4	1622.6	1635.1	1656.0	1685.1	1693.5	1697.7
55°	1418.2	1434.9	1451.6	1464.1	1472.4	1497.4	1514.1	1539.2	1555.8	1564.2	1572.5
57.5°	1297.2	1309.7	1326.4	1343.1	1347.3	1372.3	1393.2	1405.7	1426.5	1434.9	1443.2
60°	1180.4	1193.0	1205.5	1209.6	1222.2	1247.2	1268.0	1276.4	1297.2	1305.6	1309.7
62.5°	1055.3	1059.5	1076.2	1088.7	1088.7	1122.0	1134.6	1151.2	1167.9	1172.1	1180.4
65°	938.5	946.9	946.9	955.2	967.7	988.6	996.9	1017.8	1030.3	1034.4	1038.6
67.5°	821.7	830.1	838.4	846.7	846.7	867.6	871.8	888.5	901.0	905.1	909.3
70°	709.1	709.1	721.6	730.0	725.8	742.5	750.8	759.2	775.8	780.0	784.2
72.5°	600.6	596.5	604.8	613.2	621.5	625.7	634.0	638.2	650.7	659.0	663.2
75°	492.2	496.4	496.4	500.5	496.4	500.5	513.1	525.6	533.9	538.1	546.4
77.5°	383.7	387.9	387.9	392.1	396.3	396.3	400.4	417.1	425.5	429.6	425.5
80°	283.6	287.8	287.8	292.0	296.2	300.3	300.3	308.7	321.2	325.4	325.4
82.5°	200.2	200.2	200.2	200.2	204.4	204.4	208.6	216.9	225.2	225.2	233.6
85°	121.0	121.0	116.8	121.0	116.8	121.0	125.1	133.5	137.6	137.6	141.8
87.5°	54.2	50.1	54.2	54.2	50.1	50.1	50.1	54.2	54.2	58.4	58.4
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°	3036.6	3036.6	3036.6	3036.6
2.5°	3036.6	3036.6	3036.6	3036.6
5°	3028.3	3028.3	3028.3	3028.3
7.5°	3015.8	3015.8	3015.8	3015.8
10°	2999.1	3003.2	3003.2	3003.2
12.5°	2978.2	2978.2	2982.4	2982.4
15°	2953.2	2953.2	2953.2	2957.4
17.5°	2915.6	2919.8	2919.8	2919.8
20°	2873.9	2878.1	2878.1	2873.9
22.5°	2819.7	2823.9	2828.0	2828.0
25°	2765.5	2773.8	2778.0	2778.0
27.5°	2702.9	2711.3	2715.4	2715.4
30°	2636.2	2644.5	2644.5	2644.5
32.5°	2556.9	2569.4	2573.6	2573.6
35°	2473.5	2490.2	2494.4	2494.4
37.5°	2385.9	2394.2	2406.8	2406.8
40°	2290.0	2298.3	2310.8	2310.8
42.5°	2185.7	2202.4	2202.4	2210.7
45°	2073.1	2089.8	2093.9	2102.3
47.5°	1960.4	1977.1	1981.3	1985.5
50°	1839.5	1852.0	1864.5	1864.5
52.5°	1718.5	1726.9	1735.2	1743.5
55°	1589.2	1601.7	1605.9	1614.2
57.5°	1455.7	1472.4	1476.6	1484.9
60°	1326.4	1338.9	1347.3	1351.5
62.5°	1197.1	1205.5	1209.6	1218.0
65°	1055.3	1067.8	1067.8	1076.2
67.5°	926.0	934.3	938.5	942.7
70°	788.3	805.0	809.2	817.5
72.5°	667.4	684.1	684.1	692.4
75°	558.9	563.1	563.1	571.4
77.5°	442.1	446.3	450.5	454.7
80°	333.7	337.9	337.9	346.2
82.5°	237.8	237.8	237.8	241.9
85°	146.0	141.8	137.6	141.8
87.5°	58.4	58.4	62.6	54.2
90°	0.0	0.0	0.0	0.0

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CATALOG NUMBER: 22ID-80-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	19.21	20.84	19.58	21.15	21.47	18.10	19.72	18.46	20.04	20.35
	3H	20.96	22.43	21.34	22.76	23.12	19.71	21.18	20.09	21.51	21.87
	4H	21.62	23.01	22.02	23.35	23.73	20.31	21.69	20.70	22.04	22.41
	6H	22.11	23.40	22.52	23.76	24.15	20.74	22.02	21.15	22.39	22.78
	8H	22.27	23.50	22.70	23.89	24.28	20.87	22.10	21.30	22.49	22.88
	12H	22.37	23.54	22.80	23.93	24.35	20.95	22.13	21.38	22.51	22.94
4H	2H	19.70	21.08	20.09	21.43	21.80	18.79	20.18	19.19	20.53	20.90
	3H	21.67	22.83	22.08	23.23	23.63	20.62	21.78	21.03	22.18	22.58
	4H	22.47	23.52	22.90	23.93	24.37	21.33	22.38	21.76	22.79	23.22
	6H	23.10	24.02	23.55	24.46	24.91	21.87	22.79	22.32	23.23	23.68
	8H	23.31	24.17	23.77	24.61	25.08	22.04	22.90	22.50	23.34	23.81
	12H	23.46	24.23	23.94	24.70	25.17	22.16	22.93	22.64	23.40	23.87
8H	4H	22.70	23.56	23.16	24.00	24.47	21.67	22.53	22.13	22.97	23.44
	6H	23.45	24.16	23.94	24.65	25.12	22.33	23.04	22.82	23.53	24.00
	8H	23.73	24.37	24.24	24.88	25.36	22.56	23.20	23.07	23.71	24.19
	12H	23.95	24.52	24.46	25.01	25.57	22.74	23.30	23.25	23.80	24.36
12H	4H	22.72	23.49	23.20	23.97	24.44	21.72	22.49	22.20	22.96	23.43
	6H	23.48	24.12	23.99	24.63	25.11	22.39	23.03	22.90	23.54	24.02
	8H	23.82	24.38	24.32	24.87	25.43	22.68	23.25	23.19	23.74	24.30

END OF REPORT