

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: P936049

Luminaire Tested: SQ4-FA-150U-100D-930-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936049
REPORT IS A COMBINATION OF REPORTS P933777 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-100D-930-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

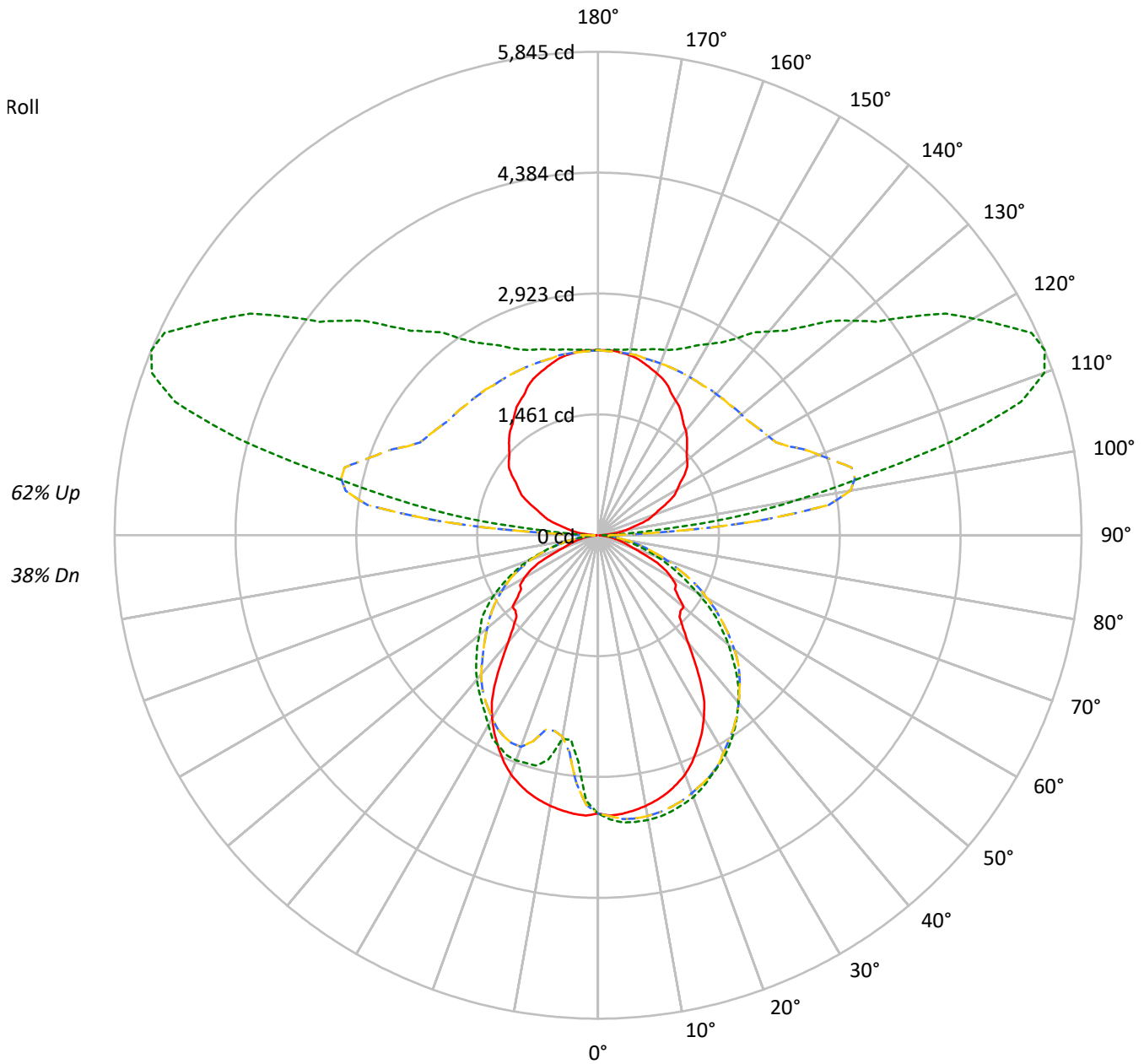
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23244.4 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 217.2
Input Voltage (V): NR
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



— 0°-180° - - 45°-225° - - - 90°-270° - · - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20	
RC	80				70				50				30				10				0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	104	104	104	104	94	94	94	94	76	76	76	60	60	60	45	45	45	38				38
1	95	91	87	84	86	83	79	76	67	65	63	53	51	50	40	39	38	32				32
2	87	79	73	68	78	72	67	63	59	55	52	46	44	42	35	33	32	27				27
3	79	70	62	57	71	63	57	52	52	47	44	41	38	35	31	29	27	23				23
4	72	62	54	48	65	56	49	44	46	41	37	36	33	30	28	25	23	19				19
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17				17
6	61	49	41	35	55	45	38	33	37	32	28	29	26	23	22	20	18	15				15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	20	18	16	13				13
8	52	40	32	27	47	37	30	25	30	25	21	24	21	18	19	16	14	12				12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	10				10
10	45	33	26	21	41	31	24	20	25	21	17	21	17	14	16	13	11	9				9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10406	10406	10406	10406
5°	10488	10505	10488	8260
10°	10421	10347	10421	7397
15°	10312	10123	10312	8453
20°	10100	9858	10100	8471
25°	9663	9470	9663	8291
30°	9096	9149	9096	7897
35°	8113	8742	8113	7464
40°	6764	8263	6764	7137
45°	6048	7702	6048	6760
50°	6430	7034	6430	6383
55°	6055	6314	6055	6164
60°	6250	5362	6250	5646
65°	5675	4433	5675	4955
70°	3940	3533	3940	4154
75°	3468	2611	3468	3127
80°	2815	1726	2815	1880
85°	1649	914	1649	777

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 9263 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.7	1.3
10°-20°	862.2	3.7
20°-30°	1332.9	5.7
30°-40°	1591.2	6.8
40°-50°	1600.5	6.9
50°-60°	1392.6	6.0
60°-70°	987.4	4.2
70°-80°	522.4	2.2
80°-90°	138.6	0.6
90°-100°	1091.3	4.7
100°-110°	2869.0	12.3
110°-120°	2974.9	12.8
120°-130°	2386.2	10.3
130°-140°	1872.3	8.1
140°-150°	1437.1	6.2
150°-160°	1034.9	4.5
160°-170°	633.2	2.7
170°-180°	213.9	0.9
0°-30°	2498.8	10.8
0°-40°	4090.0	17.6
0°-60°	7083.1	30.5
0°-90°	8731.5	37.6
90°-120°	6935.2	29.8
90°-150°	12630.8	54.3
90°-180°	14513.0	62.4
0°-180°	23244.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3364	3364	3364	3364	3364	
5°	3380	3485	3380	2740	3380	321
15°	3227	3453	3227	2884	3227	908
25°	2842	3221	2842	2820	2842	1305
35°	2161	2874	2161	2454	2161	1337
45°	1394	2368	1394	2078	1394	1117
55°	1136	1747	1136	1706	1136	1044
65°	789	1054	789	1178	789	754
75°	299	500	299	598	299	315
85°	51	127	51	108	51	69
90°	15	57	15	57	15	15
95°	144	660	144	660	144	160
105°	517	4492	517	4492	517	548
115°	918	5785	918	5785	918	907
125°	1277	4607	1277	4607	1277	1134
135°	1522	3574	1522	3574	1522	1178
145°	1766	2900	1766	2900	1766	1106
155°	1995	2497	1995	2497	1995	917
165°	2153	2326	2153	2326	2153	608
175°	2239	2254	2239	2254	2239	213
180°	2239	2239	2239	2239	2239	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2
2.5°	3392.9	3392.9	3412.0	3418.4	3418.4	3408.8	3399.3	3408.8	3437.5	3447.0	3443.8
5°	3380.2	3405.7	3440.7	3447.0	3453.4	3450.3	3443.8	3450.3	3482.0	3488.4	3491.6
7.5°	3354.7	3402.5	3447.0	3456.6	3466.1	3456.6	3453.4	3459.8	3491.6	3497.9	3497.9
10°	3322.9	3389.8	3440.7	3447.0	3456.6	3447.0	3447.0	3459.8	3491.6	3497.9	3501.2
12.5°	3278.3	3370.7	3418.4	3424.8	3437.5	3434.3	3431.1	3443.8	3475.7	3482.0	3482.0
15°	3227.4	3335.7	3380.2	3386.6	3408.8	3402.5	3402.5	3415.2	3450.3	3459.8	3456.6
17.5°	3157.4	3291.1	3342.0	3351.6	3367.5	3364.2	3367.5	3380.2	3412.0	3418.4	3421.6
20°	3077.8	3230.6	3291.1	3300.7	3316.6	3316.6	3316.6	3332.4	3364.2	3377.0	3377.0
22.5°	2969.6	3167.0	3230.6	3237.0	3256.1	3256.1	3262.4	3284.7	3313.3	3316.6	3316.6
25°	2842.3	3096.9	3151.1	3170.2	3189.2	3198.8	3208.3	3221.1	3230.6	3227.4	3230.6
27.5°	2708.6	3007.8	3077.8	3090.6	3116.0	3125.6	3138.3	3141.5	3144.6	3154.2	3147.8
30°	2559.0	2883.7	2988.7	3001.5	3042.8	3049.2	3036.5	3042.8	3058.7	3065.1	3071.5
32.5°	2390.3	2699.0	2896.4	2925.0	2963.2	2944.1	2941.0	2950.5	2976.0	2976.0	2982.3
35°	2161.2	2555.9	2810.5	2836.0	2864.5	2842.3	2855.0	2858.2	2874.1	2883.7	2880.5
37.5°	1909.7	2431.7	2721.4	2740.5	2762.7	2734.1	2753.2	2762.7	2775.5	2769.1	2769.1
40°	1686.9	2237.6	2616.3	2629.0	2648.1	2625.9	2644.9	2651.3	2657.7	2651.3	2648.1
42.5°	1521.4	2024.3	2504.9	2520.9	2508.1	2524.0	2530.3	2543.1	2533.5	2520.9	2520.9
45°	1394.1	1967.0	2383.9	2403.1	2383.9	2409.4	2419.0	2419.0	2390.3	2383.9	2380.8
47.5°	1352.7	1852.4	2263.0	2263.0	2253.5	2285.3	2301.2	2278.9	2250.2	2240.8	2240.8
50°	1349.5	1725.1	2097.5	2084.7	2129.3	2167.5	2151.6	2129.3	2107.1	2072.1	2072.1
52.5°	1225.4	1569.1	1884.2	1932.0	2002.0	2024.3	1998.8	1976.6	1938.4	1922.5	1909.7
55°	1136.2	1406.9	1690.1	1785.6	1858.8	1887.5	1839.7	1817.4	1760.1	1750.5	1744.2
57.5°	1117.2	1171.3	1511.9	1632.8	1722.0	1718.7	1690.1	1648.7	1600.9	1591.5	1588.3
60°	1024.9	846.6	1320.9	1464.1	1556.5	1546.9	1521.4	1483.2	1438.7	1432.3	1425.9
62.5°	929.4	614.3	1104.4	1266.8	1397.3	1394.1	1371.8	1314.5	1282.7	1266.8	1254.0
65°	789.3	515.6	786.1	1053.5	1241.3	1247.7	1199.9	1158.6	1123.6	1104.4	1101.2
67.5°	601.5	420.1	531.5	878.5	1091.8	1085.3	1024.9	1005.8	961.2	951.6	932.6
70°	445.6	280.1	369.2	713.0	945.3	929.4	881.6	859.4	818.0	795.7	783.0
72.5°	369.2	226.0	270.5	553.8	795.7	776.6	735.2	709.8	674.8	655.6	643.0
75°	299.2	238.7	206.9	410.6	646.1	633.4	595.2	569.7	541.1	515.6	518.8
77.5°	219.6	222.8	165.5	302.4	512.5	493.4	471.0	439.2	426.5	401.0	401.0
80°	165.5	175.1	124.1	206.9	369.2	369.2	350.1	327.9	305.5	292.9	292.9
82.5°	111.4	111.4	92.3	130.5	251.4	241.9	229.2	222.8	210.1	203.7	203.7
85°	50.9	63.7	57.3	79.6	136.8	143.3	143.3	136.8	133.7	127.3	130.5
87.5°	15.9	28.7	35.0	44.6	70.0	73.2	76.4	76.4	76.4	79.6	79.6
90°	15.0	27.1	39.1	42.1	66.1	98.1	114.2	101.5	76.1	57.1	57.1
92.5°	60.1	162.2	264.4	290.0	407.7	564.6	643.0	563.5	404.6	285.5	274.1
95°	144.2	331.2	518.2	564.9	1003.2	1587.5	1879.7	1677.3	1272.7	969.1	934.8
97.5°	249.4	414.3	579.3	620.6	1351.3	2325.6	2812.7	2684.8	2429.1	2237.2	2171.8
100°	330.5	480.1	629.7	667.1	1478.0	2559.1	3099.7	3109.0	3127.7	3141.7	3063.8
102.5°	399.7	539.2	678.8	713.7	1536.1	2632.6	3180.8	3343.8	3669.6	3914.1	3847.3
105°	516.9	635.1	753.3	782.8	1579.2	2640.9	3171.8	3537.1	4267.6	4815.5	4779.6
107.5°	637.1	747.3	857.4	885.0	1587.1	2523.3	2991.5	3501.0	4520.0	5284.3	5293.0
110°	718.2	817.7	917.2	942.1	1575.2	2419.2	2841.3	3410.9	4550.1	5404.5	5441.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	797.9	892.7	987.5	1011.2	1575.6	2328.2	2704.5	3287.5	4453.4	5327.9	5385.3
115°	918.1	1005.5	1093.0	1114.9	1590.2	2223.9	2540.8	3102.4	4225.5	5068.0	5147.6
117.5°	1036.8	1116.2	1195.7	1215.5	1619.7	2158.5	2428.0	2934.9	3948.6	4708.9	4797.2
120°	1105.8	1180.7	1255.4	1274.1	1643.7	2136.5	2383.0	2846.1	3772.3	4466.9	4552.8
122.5°	1173.4	1248.9	1324.4	1343.3	1678.4	2125.1	2348.5	2765.5	3599.5	4225.1	4309.7
125°	1277.2	1345.9	1414.7	1431.9	1724.9	2115.6	2310.9	2665.2	3373.6	3905.0	3983.0
127.5°	1361.2	1430.7	1500.2	1517.5	1771.4	2110.0	2279.3	2583.5	3191.8	3648.1	3713.9
130°	1406.4	1481.1	1555.9	1574.6	1805.5	2113.3	2267.3	2538.0	3079.7	3485.8	3546.6
132.5°	1452.9	1527.7	1602.5	1621.2	1833.0	2115.5	2256.8	2499.2	2984.0	3347.6	3402.1
135°	1522.0	1590.1	1658.3	1675.3	1863.1	2113.6	2238.8	2441.8	2847.8	3152.3	3199.2
137.5°	1592.7	1660.1	1727.6	1744.4	1908.2	2126.5	2235.7	2407.3	2750.6	3008.0	3046.4
140°	1651.3	1713.4	1775.5	1791.0	1935.7	2128.7	2225.2	2373.4	2670.0	2892.3	2928.2
142.5°	1696.3	1753.8	1811.2	1825.5	1958.8	2136.4	2225.2	2355.4	2615.9	2811.2	2842.1
145°	1765.5	1815.6	1865.6	1878.1	1988.8	2136.4	2210.2	2316.7	2529.7	2689.5	2712.9
147.5°	1834.5	1883.3	1932.0	1944.2	2032.9	2151.1	2210.2	2294.0	2461.6	2587.3	2606.7
150°	1879.7	1923.7	1967.8	1978.8	2055.9	2158.8	2210.2	2281.0	2422.6	2528.7	2544.4
152.5°	1926.2	1959.6	1993.0	2001.3	2070.9	2163.8	2210.2	2270.6	2391.5	2482.2	2494.0
155°	1995.4	2020.1	2044.8	2050.9	2104.0	2174.8	2210.2	2258.3	2354.5	2426.6	2434.5
157.5°	2046.4	2070.5	2094.5	2100.5	2137.0	2185.8	2210.2	2247.6	2322.4	2378.5	2384.0
160°	2081.0	2099.7	2118.4	2123.1	2152.1	2190.8	2210.2	2242.2	2306.3	2354.4	2357.6
162.5°	2115.5	2129.6	2143.5	2147.1	2168.1	2196.1	2210.2	2237.2	2291.4	2331.9	2334.9
165°	2153.1	2165.8	2178.5	2181.7	2191.1	2203.8	2210.2	2229.5	2268.2	2297.3	2300.5
167.5°	2187.7	2193.7	2199.7	2201.2	2209.2	2219.9	2225.2	2237.9	2263.3	2282.3	2283.7
170°	2210.2	2216.2	2222.2	2223.7	2224.2	2224.9	2225.2	2237.9	2263.3	2282.3	2282.3
172.5°	2222.2	2223.5	2224.9	2225.2	2225.2	2225.2	2225.2	2235.2	2255.3	2270.3	2269.1
175°	2238.8	2238.8	2238.8	2238.8	2234.3	2228.2	2225.2	2231.5	2244.2	2253.8	2253.8
177.5°	2238.8	2238.8	2238.8	2238.8	2235.2	2230.6	2228.2	2233.2	2243.3	2250.7	2249.4
180°	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2
2.5°	3450.3	3440.7	3450.3	3443.8	3447.0	3437.5	3408.8	3399.3	3408.8	3418.4	3418.4
5°	3491.6	3485.3	3491.6	3491.6	3488.4	3482.0	3450.3	3443.8	3450.3	3453.4	3447.0
7.5°	3504.3	3494.8	3504.3	3497.9	3497.9	3491.6	3459.8	3453.4	3456.6	3466.1	3456.6
10°	3504.3	3494.8	3504.3	3501.2	3497.9	3491.6	3459.8	3447.0	3447.0	3456.6	3447.0
12.5°	3488.4	3482.0	3488.4	3482.0	3482.0	3475.7	3443.8	3431.1	3434.3	3437.5	3424.8
15°	3462.9	3453.4	3462.9	3456.6	3459.8	3450.3	3415.2	3402.5	3402.5	3408.8	3386.6
17.5°	3424.8	3412.0	3424.8	3421.6	3418.4	3412.0	3380.2	3367.5	3364.2	3367.5	3351.6
20°	3380.2	3370.7	3380.2	3377.0	3377.0	3364.2	3332.4	3316.6	3316.6	3316.6	3300.7
22.5°	3310.2	3300.7	3310.2	3316.6	3316.6	3313.3	3284.7	3262.4	3256.1	3256.1	3237.0
25°	3230.6	3221.1	3230.6	3230.6	3227.4	3230.6	3221.1	3208.3	3198.8	3189.2	3170.2
27.5°	3154.2	3147.8	3154.2	3147.8	3154.2	3144.6	3141.5	3138.3	3125.6	3116.0	3090.6
30°	3077.8	3071.5	3077.8	3071.5	3065.1	3058.7	3042.8	3036.5	3049.2	3042.8	3001.5
32.5°	2982.3	2976.0	2982.3	2982.3	2976.0	2976.0	2950.5	2941.0	2944.1	2963.2	2925.0
35°	2883.7	2874.1	2883.7	2880.5	2883.7	2874.1	2858.2	2855.0	2842.3	2864.5	2836.0
37.5°	2769.1	2759.5	2769.1	2769.1	2769.1	2775.5	2762.7	2753.2	2734.1	2762.7	2740.5
40°	2651.3	2638.6	2651.3	2648.1	2651.3	2657.7	2651.3	2644.9	2625.9	2648.1	2629.0
42.5°	2517.6	2514.4	2517.6	2520.9	2520.9	2533.5	2543.1	2530.3	2524.0	2508.1	2520.9
45°	2374.4	2368.0	2374.4	2380.8	2383.9	2390.3	2419.0	2419.0	2409.4	2383.9	2403.1
47.5°	2221.7	2205.8	2221.7	2240.8	2240.8	2250.2	2278.9	2301.2	2285.3	2253.5	2263.0
50°	2059.3	2062.5	2059.3	2072.1	2072.1	2107.1	2129.3	2151.6	2167.5	2129.3	2084.7
52.5°	1900.1	1897.0	1900.1	1909.7	1922.5	1938.4	1976.6	1998.8	2024.3	2002.0	1932.0
55°	1741.0	1747.4	1741.0	1744.2	1750.5	1760.1	1817.4	1839.7	1887.5	1858.8	1785.6
57.5°	1581.9	1572.4	1581.9	1588.3	1591.5	1600.9	1648.7	1690.1	1718.7	1722.0	1632.8
60°	1397.3	1384.5	1397.3	1425.9	1432.3	1438.7	1483.2	1521.4	1546.9	1556.5	1464.1
62.5°	1234.9	1212.7	1234.9	1254.0	1266.8	1282.7	1314.5	1371.8	1394.1	1397.3	1266.8
65°	1063.1	1053.5	1063.1	1101.2	1104.4	1123.6	1158.6	1199.9	1247.7	1241.3	1053.5
67.5°	907.1	907.1	907.1	932.6	951.6	961.2	1005.8	1024.9	1085.3	1091.8	878.5
70°	763.9	760.7	763.9	783.0	795.7	818.0	859.4	881.6	929.4	945.3	713.0
72.5°	627.1	623.9	627.1	643.0	655.6	674.8	709.8	735.2	776.6	795.7	553.8
75°	506.1	499.7	506.1	518.8	515.6	541.1	569.7	595.2	633.4	646.1	410.6
77.5°	388.3	388.3	388.3	401.0	401.0	426.5	439.2	471.0	493.4	512.5	302.4
80°	289.6	286.4	289.6	292.9	292.9	305.5	327.9	350.1	369.2	369.2	206.9
82.5°	203.7	197.3	203.7	203.7	203.7	210.1	222.8	229.2	241.9	251.4	130.5
85°	127.3	127.3	127.3	130.5	127.3	133.7	136.8	143.3	143.3	136.8	79.6
87.5°	82.8	79.6	82.8	79.6	79.6	76.4	76.4	76.4	73.2	70.0	44.6
90°	57.1	57.1	57.1	57.1	57.1	76.1	101.5	114.2	98.1	66.1	42.1
92.5°	228.7	183.3	228.7	274.1	285.5	404.6	563.5	643.0	564.6	407.7	290.0
95°	797.1	659.6	797.1	934.8	969.1	1272.7	1677.3	1879.7	1587.5	1003.2	564.9
97.5°	1910.0	1648.2	1910.0	2171.8	2237.2	2429.1	2684.8	2812.7	2325.6	1351.3	620.6
100°	2752.0	2440.1	2752.0	3063.8	3141.7	3127.7	3109.0	3099.7	2559.1	1478.0	667.1
102.5°	3580.2	3313.0	3580.2	3847.3	3914.1	3669.6	3343.8	3180.8	2632.6	1536.1	713.7
105°	4636.1	4492.5	4636.1	4779.6	4815.5	4267.6	3537.1	3171.8	2640.9	1579.2	782.8
107.5°	5327.7	5362.4	5327.7	5293.0	5284.3	4520.0	3501.0	2991.5	2523.3	1587.1	885.0
110°	5591.5	5741.1	5591.5	5441.9	5404.5	4550.1	3410.9	2841.3	2419.2	1575.2	942.1



TEST NUMBER: P936049

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5615.1	5844.8	5615.1	5385.3	5327.9	4453.4	3287.5	2704.5	2328.2	1575.6	1011.2
115°	5466.1	5784.7	5466.1	5147.6	5068.0	4225.5	3102.4	2540.8	2223.9	1590.2	1114.9
117.5°	5150.4	5503.7	5150.4	4797.2	4708.9	3948.6	2934.9	2428.0	2158.5	1619.7	1215.5
120°	4896.0	5239.3	4896.0	4552.8	4466.9	3772.3	2846.1	2383.0	2136.5	1643.7	1274.1
122.5°	4648.3	4986.9	4648.3	4309.7	4225.1	3599.5	2765.5	2348.5	2125.1	1678.4	1343.3
125°	4294.8	4606.7	4294.8	3983.0	3905.0	3373.6	2665.2	2310.9	2115.6	1724.9	1431.9
127.5°	3977.0	4240.1	3977.0	3713.9	3648.1	3191.8	2583.5	2279.3	2110.0	1771.4	1517.5
130°	3789.7	4032.7	3789.7	3546.6	3485.8	3079.7	2538.0	2267.3	2113.3	1805.5	1574.6
132.5°	3619.7	3837.4	3619.7	3402.1	3347.6	2984.0	2499.2	2256.8	2115.5	1833.0	1621.2
135°	3386.8	3574.5	3386.8	3199.2	3152.3	2847.8	2441.8	2238.8	2113.6	1863.1	1675.3
137.5°	3200.0	3353.6	3200.0	3046.4	3008.0	2750.6	2407.3	2235.7	2126.5	1908.2	1744.4
140°	3071.8	3215.4	3071.8	2928.2	2892.3	2670.0	2373.4	2225.2	2128.7	1935.7	1791.0
142.5°	2965.6	3089.1	2965.6	2842.1	2811.2	2615.9	2355.4	2225.2	2136.4	1958.8	1825.5
145°	2806.4	2899.9	2806.4	2712.9	2689.5	2529.7	2316.7	2210.2	2136.4	1988.8	1878.1
147.5°	2684.2	2761.6	2684.2	2606.7	2587.3	2461.6	2294.0	2210.2	2151.1	2032.9	1944.2
150°	2607.2	2670.0	2607.2	2544.4	2528.7	2422.6	2281.0	2210.2	2158.8	2055.9	1978.8
152.5°	2541.4	2588.8	2541.4	2494.0	2482.2	2391.5	2270.6	2210.2	2163.8	2070.9	2001.3
155°	2465.8	2497.2	2465.8	2434.5	2426.6	2354.5	2258.3	2210.2	2174.8	2104.0	2050.9
157.5°	2406.0	2428.0	2406.0	2384.0	2378.5	2322.4	2247.6	2210.2	2185.8	2137.0	2100.5
160°	2370.3	2383.0	2370.3	2357.6	2354.4	2306.3	2242.2	2210.2	2190.8	2152.1	2123.1
162.5°	2346.9	2359.0	2346.9	2334.9	2331.9	2291.4	2237.2	2210.2	2196.1	2168.1	2147.1
165°	2313.2	2325.9	2313.2	2300.5	2297.3	2268.2	2229.5	2210.2	2203.8	2191.1	2181.7
167.5°	2289.0	2294.3	2289.0	2283.7	2282.3	2263.3	2237.9	2225.2	2219.9	2209.2	2201.2
170°	2282.3	2282.3	2282.3	2282.3	2282.3	2263.3	2237.9	2225.2	2224.9	2224.2	2223.7
172.5°	2264.5	2259.8	2264.5	2269.1	2270.3	2255.3	2235.2	2225.2	2225.2	2225.2	2225.2
175°	2253.8	2253.8	2253.8	2253.8	2253.8	2244.2	2231.5	2225.2	2228.2	2234.3	2238.8
177.5°	2244.1	2238.8	2244.1	2249.4	2250.7	2243.3	2233.2	2228.2	2230.6	2235.2	2238.8
180°	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2
2.5°	3412.0	3392.9	3392.9	3361.1	3348.3	3338.8	3322.9	3275.2	3262.4	3249.7	3268.8
5°	3440.7	3405.7	3380.2	3322.9	3275.2	3256.1	3195.6	3081.0	3004.6	2947.3	2915.5
7.5°	3447.0	3402.5	3354.7	3265.6	3151.1	3100.1	2915.5	2705.5	2648.1	2597.2	2565.3
10°	3440.7	3389.8	3322.9	3189.2	2918.7	2829.5	2644.9	2508.1	2473.1	2463.5	2473.1
12.5°	3418.4	3370.7	3278.3	3055.6	2676.8	2616.3	2508.1	2428.5	2422.2	2438.1	2524.0
15°	3380.2	3335.7	3227.4	2877.3	2543.1	2498.5	2422.2	2393.5	2428.5	2539.9	2797.7
17.5°	3342.0	3291.1	3157.4	2702.3	2441.3	2409.4	2355.3	2412.6	2609.9	2759.5	2845.5
20°	3291.1	3230.6	3077.8	2574.9	2368.0	2339.4	2313.9	2571.8	2721.4	2775.5	2823.2
22.5°	3230.6	3167.0	2969.6	2485.8	2291.7	2269.4	2285.3	2660.9	2721.4	2759.5	2800.9
25°	3151.1	3096.9	2842.3	2415.8	2231.2	2205.8	2266.2	2651.3	2686.4	2695.9	2778.6
27.5°	3077.8	3007.8	2708.6	2352.1	2158.0	2148.4	2282.1	2609.9	2635.4	2644.9	2734.1
30°	2988.7	2883.7	2559.0	2285.3	2081.6	2078.4	2285.3	2559.0	2552.7	2578.1	2667.2
32.5°	2896.4	2699.0	2390.3	2202.5	2008.4	2005.2	2263.0	2482.6	2476.3	2511.3	2578.1
35°	2810.5	2555.9	2161.2	2107.1	1916.1	1919.3	2208.9	2393.5	2396.7	2428.5	2469.9
37.5°	2721.4	2431.7	1909.7	2002.0	1827.0	1827.0	2135.7	2310.8	2304.4	2313.9	2371.3
40°	2616.3	2237.6	1686.9	1865.1	1744.2	1734.6	2046.6	2221.7	2199.3	2196.2	2275.8
42.5°	2504.9	2024.3	1521.4	1683.7	1648.7	1636.0	1938.4	2113.4	2072.1	2081.6	2183.4
45°	2383.9	1967.0	1394.1	1422.8	1550.0	1540.5	1820.6	1989.3	1960.6	1986.1	2091.2
47.5°	2263.0	1852.4	1352.7	1180.8	1445.0	1441.9	1690.1	1868.3	1852.4	1877.9	1989.3
50°	2097.5	1725.1	1349.5	1012.2	1327.3	1340.0	1534.1	1750.5	1750.5	1772.9	1890.6
52.5°	1884.2	1569.1	1225.4	916.6	1190.4	1228.6	1397.3	1648.7	1655.1	1677.4	1782.4
55°	1690.1	1406.9	1136.2	843.5	1028.1	1110.8	1263.6	1543.7	1556.5	1578.7	1674.2
57.5°	1511.9	1171.3	1117.2	757.6	878.5	958.1	1145.8	1441.9	1448.2	1467.3	1559.6
60°	1320.9	846.6	1024.9	665.2	748.0	808.5	1037.6	1320.9	1343.2	1355.9	1435.4
62.5°	1104.4	614.3	929.4	601.5	684.3	697.1	948.5	1206.3	1234.9	1244.5	1292.3
65°	786.1	515.6	789.3	547.5	617.5	620.6	853.0	1088.5	1114.0	1129.9	1164.9
67.5°	531.5	420.1	601.5	496.5	566.5	569.7	760.7	951.6	986.6	999.4	1021.7
70°	369.2	280.1	445.6	442.5	509.3	515.6	662.1	827.6	859.4	868.9	881.6
72.5°	270.5	226.0	369.2	397.9	448.8	455.1	560.2	687.5	719.3	728.9	735.2
75°	206.9	238.7	299.2	346.9	381.9	385.1	458.4	560.2	582.5	588.8	592.0
77.5°	165.5	222.8	219.6	280.1	311.9	305.5	359.7	432.9	451.9	451.9	451.9
80°	124.1	175.1	165.5	200.5	229.2	222.8	257.8	308.8	315.1	321.4	318.3
82.5°	92.3	111.4	111.4	127.3	152.8	146.4	171.8	200.5	200.5	200.5	206.9
85°	57.3	63.7	50.9	66.8	85.9	82.8	95.5	108.2	111.4	111.4	105.0
87.5°	35.0	28.7	15.9	25.5	38.2	38.2	44.6	47.8	44.6	44.6	44.6
90°	39.1	27.1	15.0	27.1	39.1	42.1	66.1	98.1	114.2	101.5	76.1
92.5°	264.4	162.2	60.1	162.2	264.4	290.0	407.7	564.6	643.0	563.5	404.6
95°	518.2	331.2	144.2	331.2	518.2	564.9	1003.2	1587.5	1879.7	1677.3	1272.7
97.5°	579.3	414.3	249.4	414.3	579.3	620.6	1351.3	2325.6	2812.7	2684.8	2429.1
100°	629.7	480.1	330.5	480.1	629.7	667.1	1478.0	2559.1	3099.7	3109.0	3127.7
102.5°	678.8	539.2	399.7	539.2	678.8	713.7	1536.1	2632.6	3180.8	3343.8	3669.6
105°	753.3	635.1	516.9	635.1	753.3	782.8	1579.2	2640.9	3171.8	3537.1	4267.6
107.5°	857.4	747.3	637.1	747.3	857.4	885.0	1587.1	2523.3	2991.5	3501.0	4520.0
110°	917.2	817.7	718.2	817.7	917.2	942.1	1575.2	2419.2	2841.3	3410.9	4550.1



TEST NUMBER: P936049

CATALOG NUMBER: SQ4-FA-150U-100D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	987.5	892.7	797.9	892.7	987.5	1011.2	1575.6	2328.2	2704.5	3287.5	4453.4
115°	1093.0	1005.5	918.1	1005.5	1093.0	1114.9	1590.2	2223.9	2540.8	3102.4	4225.5
117.5°	1195.7	1116.2	1036.8	1116.2	1195.7	1215.5	1619.7	2158.5	2428.0	2934.9	3948.6
120°	1255.4	1180.7	1105.8	1180.7	1255.4	1274.1	1643.7	2136.5	2383.0	2846.1	3772.3
122.5°	1324.4	1248.9	1173.4	1248.9	1324.4	1343.3	1678.4	2125.1	2348.5	2765.5	3599.5
125°	1414.7	1345.9	1277.2	1345.9	1414.7	1431.9	1724.9	2115.6	2310.9	2665.2	3373.6
127.5°	1500.2	1430.7	1361.2	1430.7	1500.2	1517.5	1771.4	2110.0	2279.3	2583.5	3191.8
130°	1555.9	1481.1	1406.4	1481.1	1555.9	1574.6	1805.5	2113.3	2267.3	2538.0	3079.7
132.5°	1602.5	1527.7	1452.9	1527.7	1602.5	1621.2	1833.0	2115.5	2256.8	2499.2	2984.0
135°	1658.3	1590.1	1522.0	1590.1	1658.3	1675.3	1863.1	2113.6	2238.8	2441.8	2847.8
137.5°	1727.6	1660.1	1592.7	1660.1	1727.6	1744.4	1908.2	2126.5	2235.7	2407.3	2750.6
140°	1775.5	1713.4	1651.3	1713.4	1775.5	1791.0	1935.7	2128.7	2225.2	2373.4	2670.0
142.5°	1811.2	1753.8	1696.3	1753.8	1811.2	1825.5	1958.8	2136.4	2225.2	2355.4	2615.9
145°	1865.6	1815.6	1765.5	1815.6	1865.6	1878.1	1988.8	2136.4	2210.2	2316.7	2529.7
147.5°	1932.0	1883.3	1834.5	1883.3	1932.0	1944.2	2032.9	2151.1	2210.2	2294.0	2461.6
150°	1967.8	1923.7	1879.7	1923.7	1967.8	1978.8	2055.9	2158.8	2210.2	2281.0	2422.6
152.5°	1993.0	1959.6	1926.2	1959.6	1993.0	2001.3	2070.9	2163.8	2210.2	2270.6	2391.5
155°	2044.8	2020.1	1995.4	2020.1	2044.8	2050.9	2104.0	2174.8	2210.2	2258.3	2354.5
157.5°	2094.5	2070.5	2046.4	2070.5	2094.5	2100.5	2137.0	2185.8	2210.2	2247.6	2322.4
160°	2118.4	2099.7	2081.0	2099.7	2118.4	2123.1	2152.1	2190.8	2210.2	2242.2	2306.3
162.5°	2143.5	2129.6	2115.5	2129.6	2143.5	2147.1	2168.1	2196.1	2210.2	2237.2	2291.4
165°	2178.5	2165.8	2153.1	2165.8	2178.5	2181.7	2191.1	2203.8	2210.2	2229.5	2268.2
167.5°	2199.7	2193.7	2187.7	2193.7	2199.7	2201.2	2209.2	2219.9	2225.2	2237.9	2263.3
170°	2222.2	2216.2	2210.2	2216.2	2222.2	2223.7	2224.2	2224.9	2225.2	2237.9	2263.3
172.5°	2224.9	2223.5	2222.2	2223.5	2224.9	2225.2	2225.2	2225.2	2225.2	2235.2	2255.3
175°	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2234.3	2228.2	2225.2	2231.5	2244.2
177.5°	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2235.2	2230.6	2228.2	2233.2	2243.3
180°	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8



TEST NUMBER: P936049

CATALOG NUMBER: SQ4-FA-150U-100D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2
2.5°	3246.5	3237.0	3249.7	3214.6	3249.7	3237.0	3246.5	3268.8	3249.7	3262.4	3275.2
5°	2848.6	2832.7	2781.8	2740.5	2781.8	2832.7	2848.6	2915.5	2947.3	3004.6	3081.0
7.5°	2546.3	2533.5	2520.9	2495.3	2520.9	2533.5	2546.3	2565.3	2597.2	2648.1	2705.5
10°	2479.4	2482.6	2501.7	2498.5	2501.7	2482.6	2479.4	2473.1	2463.5	2473.1	2508.1
12.5°	2651.3	2679.9	2785.0	2778.6	2785.0	2679.9	2651.3	2524.0	2438.1	2422.2	2428.5
15°	2848.6	2858.2	2880.5	2883.7	2880.5	2858.2	2848.6	2797.7	2539.9	2428.5	2393.5
17.5°	2867.8	2871.0	2886.9	2886.9	2886.9	2871.0	2867.8	2845.5	2759.5	2609.9	2412.6
20°	2851.9	2858.2	2890.0	2896.4	2890.0	2858.2	2851.9	2823.2	2775.5	2721.4	2571.8
22.5°	2845.5	2858.2	2883.7	2880.5	2883.7	2858.2	2845.5	2800.9	2759.5	2721.4	2660.9
25°	2813.6	2813.6	2816.8	2820.0	2816.8	2813.6	2813.6	2778.6	2695.9	2686.4	2651.3
27.5°	2746.8	2753.2	2772.3	2769.1	2772.3	2753.2	2746.8	2734.1	2644.9	2635.4	2609.9
30°	2686.4	2679.9	2664.0	2651.3	2664.0	2679.9	2686.4	2667.2	2578.1	2552.7	2559.0
32.5°	2584.5	2568.6	2552.7	2543.1	2552.7	2568.6	2584.5	2578.1	2511.3	2476.3	2482.6
35°	2463.5	2466.7	2463.5	2454.0	2463.5	2466.7	2463.5	2469.9	2428.5	2396.7	2393.5
37.5°	2377.6	2383.9	2380.8	2368.0	2380.8	2383.9	2377.6	2371.3	2313.9	2304.4	2310.8
40°	2288.5	2291.7	2288.5	2278.9	2288.5	2291.7	2288.5	2275.8	2196.2	2199.3	2221.7
42.5°	2202.5	2199.3	2189.8	2183.4	2189.8	2199.3	2202.5	2183.4	2081.6	2072.1	2113.4
45°	2103.9	2107.1	2088.0	2078.4	2088.0	2107.1	2103.9	2091.2	1986.1	1960.6	1989.3
47.5°	2005.2	2005.2	1989.3	1979.7	1989.3	2005.2	2005.2	1989.3	1877.9	1852.4	1868.3
50°	1900.1	1897.0	1874.7	1871.6	1874.7	1897.0	1900.1	1890.6	1772.9	1750.5	1750.5
52.5°	1779.2	1779.2	1782.4	1788.8	1782.4	1779.2	1779.2	1782.4	1677.4	1655.1	1648.7
55°	1674.2	1677.4	1699.6	1706.0	1699.6	1677.4	1674.2	1674.2	1578.7	1556.5	1543.7
57.5°	1565.9	1565.9	1581.9	1581.9	1581.9	1565.9	1565.9	1559.6	1467.3	1448.2	1441.9
60°	1441.9	1448.2	1460.9	1457.8	1460.9	1448.2	1441.9	1435.4	1355.9	1343.2	1320.9
62.5°	1311.3	1317.7	1320.9	1314.5	1320.9	1317.7	1311.3	1292.3	1244.5	1234.9	1206.3
65°	1174.5	1180.8	1184.0	1177.7	1184.0	1180.8	1174.5	1164.9	1129.9	1114.0	1088.5
67.5°	1034.4	1031.2	1028.1	1040.8	1028.1	1031.2	1034.4	1021.7	999.4	986.6	951.6
70°	891.2	891.2	888.0	894.4	888.0	891.2	891.2	881.6	868.9	859.4	827.6
72.5°	738.4	735.2	748.0	738.4	748.0	735.2	738.4	735.2	728.9	719.3	687.5
75°	588.8	595.2	588.8	598.4	588.8	595.2	588.8	592.0	588.8	582.5	560.2
77.5°	448.8	455.1	448.8	448.8	448.8	455.1	448.8	451.9	451.9	451.9	432.9
80°	318.3	315.1	315.1	311.9	315.1	315.1	318.3	318.3	321.4	315.1	308.8
82.5°	203.7	200.5	200.5	206.9	200.5	200.5	203.7	206.9	200.5	200.5	200.5
85°	111.4	114.6	108.2	108.2	108.2	114.6	111.4	105.0	111.4	111.4	108.2
87.5°	41.4	38.2	38.2	38.2	38.2	38.2	41.4	44.6	44.6	44.6	47.8
90°	57.1	57.1	57.1	57.1	57.1	57.1	57.1	76.1	101.5	114.2	98.1
92.5°	285.5	274.1	228.7	183.3	228.7	274.1	285.5	404.6	563.5	643.0	564.6
95°	969.1	934.8	797.1	659.6	797.1	934.8	969.1	1272.7	1677.3	1879.7	1587.5
97.5°	2237.2	2171.8	1910.0	1648.2	1910.0	2171.8	2237.2	2429.1	2684.8	2812.7	2325.6
100°	3141.7	3063.8	2752.0	2440.1	2752.0	3063.8	3141.7	3127.7	3109.0	3099.7	2559.1
102.5°	3914.1	3847.3	3580.2	3313.0	3580.2	3847.3	3914.1	3669.6	3343.8	3180.8	2632.6
105°	4815.5	4779.6	4636.1	4492.5	4636.1	4779.6	4815.5	4267.6	3537.1	3171.8	2640.9
107.5°	5284.3	5293.0	5327.7	5362.4	5327.7	5293.0	5284.3	4520.0	3501.0	2991.5	2523.3
110°	5404.5	5441.9	5591.5	5741.1	5591.5	5441.9	5404.5	4550.1	3410.9	2841.3	2419.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5327.9	5385.3	5615.1	5844.8	5615.1	5385.3	5327.9	4453.4	3287.5	2704.5	2328.2
115°	5068.0	5147.6	5466.1	5784.7	5466.1	5147.6	5068.0	4225.5	3102.4	2540.8	2223.9
117.5°	4708.9	4797.2	5150.4	5503.7	5150.4	4797.2	4708.9	3948.6	2934.9	2428.0	2158.5
120°	4466.9	4552.8	4896.0	5239.3	4896.0	4552.8	4466.9	3772.3	2846.1	2383.0	2136.5
122.5°	4225.1	4309.7	4648.3	4986.9	4648.3	4309.7	4225.1	3599.5	2765.5	2348.5	2125.1
125°	3905.0	3983.0	4294.8	4606.7	4294.8	3983.0	3905.0	3373.6	2665.2	2310.9	2115.6
127.5°	3648.1	3713.9	3977.0	4240.1	3977.0	3713.9	3648.1	3191.8	2583.5	2279.3	2110.0
130°	3485.8	3546.6	3789.7	4032.7	3789.7	3546.6	3485.8	3079.7	2538.0	2267.3	2113.3
132.5°	3347.6	3402.1	3619.7	3837.4	3619.7	3402.1	3347.6	2984.0	2499.2	2256.8	2115.5
135°	3152.3	3199.2	3386.8	3574.5	3386.8	3199.2	3152.3	2847.8	2441.8	2238.8	2113.6
137.5°	3008.0	3046.4	3200.0	3353.6	3200.0	3046.4	3008.0	2750.6	2407.3	2235.7	2126.5
140°	2892.3	2928.2	3071.8	3215.4	3071.8	2928.2	2892.3	2670.0	2373.4	2225.2	2128.7
142.5°	2811.2	2842.1	2965.6	3089.1	2965.6	2842.1	2811.2	2615.9	2355.4	2225.2	2136.4
145°	2689.5	2712.9	2806.4	2899.9	2806.4	2712.9	2689.5	2529.7	2316.7	2210.2	2136.4
147.5°	2587.3	2606.7	2684.2	2761.6	2684.2	2606.7	2587.3	2461.6	2294.0	2210.2	2151.1
150°	2528.7	2544.4	2607.2	2670.0	2607.2	2544.4	2528.7	2422.6	2281.0	2210.2	2158.8
152.5°	2482.2	2494.0	2541.4	2588.8	2541.4	2494.0	2482.2	2391.5	2270.6	2210.2	2163.8
155°	2426.6	2434.5	2465.8	2497.2	2465.8	2434.5	2426.6	2354.5	2258.3	2210.2	2174.8
157.5°	2378.5	2384.0	2406.0	2428.0	2406.0	2384.0	2378.5	2322.4	2247.6	2210.2	2185.8
160°	2354.4	2357.6	2370.3	2383.0	2370.3	2357.6	2354.4	2306.3	2242.2	2210.2	2190.8
162.5°	2331.9	2334.9	2346.9	2359.0	2346.9	2334.9	2331.9	2291.4	2237.2	2210.2	2196.1
165°	2297.3	2300.5	2313.2	2325.9	2313.2	2300.5	2297.3	2268.2	2229.5	2210.2	2203.8
167.5°	2282.3	2283.7	2289.0	2294.3	2289.0	2283.7	2282.3	2263.3	2237.9	2225.2	2219.9
170°	2282.3	2282.3	2282.3	2282.3	2282.3	2282.3	2282.3	2263.3	2237.9	2225.2	2224.9
172.5°	2270.3	2269.1	2264.5	2259.8	2264.5	2269.1	2270.3	2255.3	2235.2	2225.2	2225.2
175°	2253.8	2253.8	2253.8	2253.8	2253.8	2253.8	2253.8	2244.2	2231.5	2225.2	2228.2
177.5°	2250.7	2249.4	2244.1	2238.8	2244.1	2249.4	2250.7	2243.3	2233.2	2228.2	2230.6
180°	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3364.2	3364.2	3364.2	3364.2	3364.2
2.5°	3322.9	3338.8	3348.3	3361.1	3392.9
5°	3195.6	3256.1	3275.2	3322.9	3380.2
7.5°	2915.5	3100.1	3151.1	3265.6	3354.7
10°	2644.9	2829.5	2918.7	3189.2	3322.9
12.5°	2508.1	2616.3	2676.8	3055.6	3278.3
15°	2422.2	2498.5	2543.1	2877.3	3227.4
17.5°	2355.3	2409.4	2441.3	2702.3	3157.4
20°	2313.9	2339.4	2368.0	2574.9	3077.8
22.5°	2285.3	2269.4	2291.7	2485.8	2969.6
25°	2266.2	2205.8	2231.2	2415.8	2842.3
27.5°	2282.1	2148.4	2158.0	2352.1	2708.6
30°	2285.3	2078.4	2081.6	2285.3	2559.0
32.5°	2263.0	2005.2	2008.4	2202.5	2390.3
35°	2208.9	1919.3	1916.1	2107.1	2161.2
37.5°	2135.7	1827.0	1827.0	2002.0	1909.7
40°	2046.6	1734.6	1744.2	1865.1	1686.9
42.5°	1938.4	1636.0	1648.7	1683.7	1521.4
45°	1820.6	1540.5	1550.0	1422.8	1394.1
47.5°	1690.1	1441.9	1445.0	1180.8	1352.7
50°	1534.1	1340.0	1327.3	1012.2	1349.5
52.5°	1397.3	1228.6	1190.4	916.6	1225.4
55°	1263.6	1110.8	1028.1	843.5	1136.2
57.5°	1145.8	958.1	878.5	757.6	1117.2
60°	1037.6	808.5	748.0	665.2	1024.9
62.5°	948.5	697.1	684.3	601.5	929.4
65°	853.0	620.6	617.5	547.5	789.3
67.5°	760.7	569.7	566.5	496.5	601.5
70°	662.1	515.6	509.3	442.5	445.6
72.5°	560.2	455.1	448.8	397.9	369.2
75°	458.4	385.1	381.9	346.9	299.2
77.5°	359.7	305.5	311.9	280.1	219.6
80°	257.8	222.8	229.2	200.5	165.5
82.5°	171.8	146.4	152.8	127.3	111.4
85°	95.5	82.8	85.9	66.8	50.9
87.5°	44.6	38.2	38.2	25.5	15.9
90°	66.1	42.1	39.1	27.1	15.0
92.5°	407.7	290.0	264.4	162.2	60.1
95°	1003.2	564.9	518.2	331.2	144.2
97.5°	1351.3	620.6	579.3	414.3	249.4
100°	1478.0	667.1	629.7	480.1	330.5
102.5°	1536.1	713.7	678.8	539.2	399.7
105°	1579.2	782.8	753.3	635.1	516.9
107.5°	1587.1	885.0	857.4	747.3	637.1
110°	1575.2	942.1	917.2	817.7	718.2



TEST NUMBER: P936049

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1575.6	1011.2	987.5	892.7	797.9
115°	1590.2	1114.9	1093.0	1005.5	918.1
117.5°	1619.7	1215.5	1195.7	1116.2	1036.8
120°	1643.7	1274.1	1255.4	1180.7	1105.8
122.5°	1678.4	1343.3	1324.4	1248.9	1173.4
125°	1724.9	1431.9	1414.7	1345.9	1277.2
127.5°	1771.4	1517.5	1500.2	1430.7	1361.2
130°	1805.5	1574.6	1555.9	1481.1	1406.4
132.5°	1833.0	1621.2	1602.5	1527.7	1452.9
135°	1863.1	1675.3	1658.3	1590.1	1522.0
137.5°	1908.2	1744.4	1727.6	1660.1	1592.7
140°	1935.7	1791.0	1775.5	1713.4	1651.3
142.5°	1958.8	1825.5	1811.2	1753.8	1696.3
145°	1988.8	1878.1	1865.6	1815.6	1765.5
147.5°	2032.9	1944.2	1932.0	1883.3	1834.5
150°	2055.9	1978.8	1967.8	1923.7	1879.7
152.5°	2070.9	2001.3	1993.0	1959.6	1926.2
155°	2104.0	2050.9	2044.8	2020.1	1995.4
157.5°	2137.0	2100.5	2094.5	2070.5	2046.4
160°	2152.1	2123.1	2118.4	2099.7	2081.0
162.5°	2168.1	2147.1	2143.5	2129.6	2115.5
165°	2191.1	2181.7	2178.5	2165.8	2153.1
167.5°	2209.2	2201.2	2199.7	2193.7	2187.7
170°	2224.2	2223.7	2222.2	2216.2	2210.2
172.5°	2225.2	2225.2	2224.9	2223.5	2222.2
175°	2234.3	2238.8	2238.8	2238.8	2238.8
177.5°	2235.2	2238.8	2238.8	2238.8	2238.8
180°	2238.8	2238.8	2238.8	2238.8	2238.8



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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	11.68	12.44	12.74	13.50	14.94	14.53	15.29	15.59	16.35	17.79
	3H	12.15	12.83	13.21	13.90	15.35	15.87	16.55	16.94	17.62	19.08
	4H	12.33	12.98	13.41	14.05	15.51	16.32	16.96	17.40	18.03	19.50
	6H	12.45	13.04	13.53	14.11	15.59	16.60	17.20	17.69	18.27	19.75
	8H	12.44	13.01	13.54	14.10	15.57	16.68	17.24	17.77	18.33	19.80
	12H	12.41	12.95	13.51	14.03	15.53	16.72	17.25	17.81	18.34	19.83
4H	2H	12.70	13.35	13.79	14.42	15.88	14.92	15.57	16.01	16.64	18.10
	3H	13.72	14.26	14.81	15.36	16.83	16.43	16.96	17.52	18.06	19.54
	4H	13.99	14.49	15.09	15.57	17.07	16.96	17.45	18.05	18.54	20.03
	6H	14.11	14.53	15.22	15.65	17.14	17.32	17.74	18.43	18.86	20.35
	8H	14.11	14.51	15.22	15.61	17.12	17.43	17.82	18.53	18.93	20.43
	12H	14.08	14.43	15.20	15.55	17.06	17.48	17.84	18.61	18.96	20.47
8H	4H	14.44	14.84	15.55	15.94	17.45	17.07	17.47	18.18	18.57	20.08
	6H	14.70	15.02	15.83	16.17	17.67	17.51	17.84	18.64	18.98	20.48
	8H	14.74	15.03	15.87	16.15	17.68	17.66	17.95	18.80	19.08	20.60
	12H	14.72	14.97	15.86	16.09	17.65	17.76	18.01	18.90	19.14	20.70
12H	4H	14.44	14.80	15.57	15.92	17.43	17.03	17.39	18.15	18.50	20.02
	6H	14.76	15.04	15.89	16.17	17.70	17.51	17.79	18.64	18.92	20.44
	8H	14.82	15.07	15.96	16.20	17.76	17.67	17.92	18.80	19.04	20.60