

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: P935580

Luminaire Tested: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935580
REPORT IS A COMBINATION OF REPORTS P933757 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

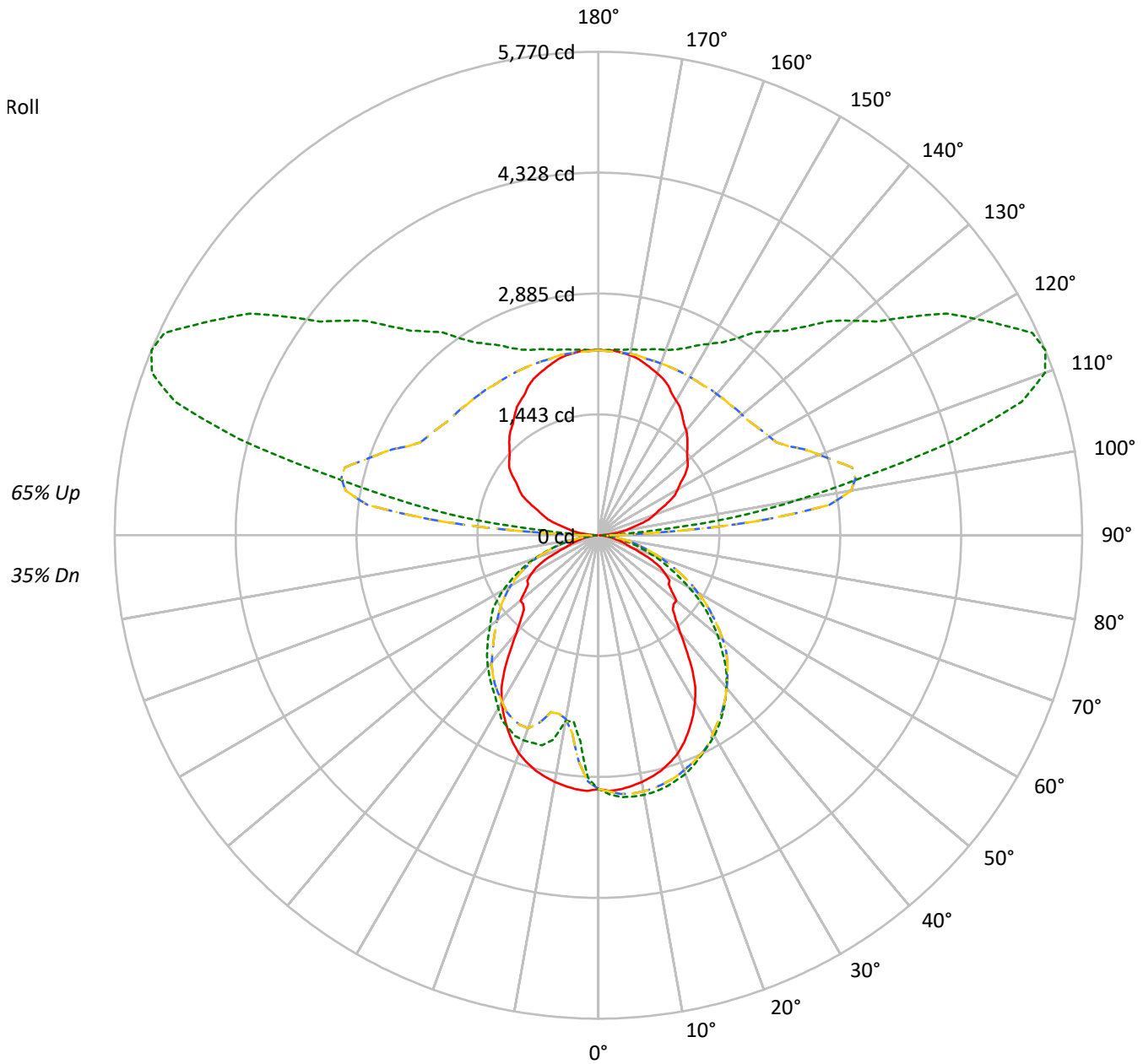
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22188.4 lumens
Efficiency: N/A
Efficacy: 133.0 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): 166.8
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	
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	0
RCR																		
0	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9367	9367	9367	9367
5°	9440	9456	9440	7435
10°	9381	9314	9381	6659
15°	9282	9112	9282	7609
20°	9092	8873	9092	7625
25°	8698	8525	8698	7463
30°	8188	8235	8188	7108
35°	7303	7869	7303	6719
40°	6088	7438	6088	6424
45°	5444	6933	5444	6085
50°	5788	6332	5788	5745
55°	5451	5683	5451	5548
60°	5626	4827	5626	5082
65°	5109	3990	5109	4460
70°	3546	3180	3546	3739
75°	3121	2351	3121	2815
80°	2534	1554	2534	1692
85°	1484	823	1484	700

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8338 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.4	1.2
10°-20°	776.2	3.5
20°-30°	1199.8	5.4
30°-40°	1432.3	6.5
40°-50°	1440.7	6.5
50°-60°	1253.5	5.6
60°-70°	888.8	4.0
70°-80°	470.2	2.1
80°-90°	125.5	0.6
90°-100°	1077.4	4.9
100°-110°	2832.5	12.8
110°-120°	2937.0	13.2
120°-130°	2355.8	10.6
130°-140°	1848.5	8.3
140°-150°	1418.8	6.4
150°-160°	1021.8	4.6
160°-170°	625.2	2.8
170°-180°	211.2	1.0
0°-30°	2249.3	10.1
0°-40°	3681.6	16.6
0°-60°	6375.8	28.7
0°-90°	7860.4	35.4
90°-120°	6846.8	30.9
90°-150°	12469.9	56.2
90°-180°	14328.0	64.6
0°-180°	22188.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3028	3028	3028	3028	3028	
5°	3043	3137	3043	2467	3043	289
15°	2905	3109	2905	2596	2905	817
25°	2558	2900	2558	2538	2558	1175
35°	1945	2587	1945	2209	1945	1204
45°	1255	2132	1255	1871	1255	1005
55°	1023	1573	1023	1536	1023	940
65°	710	948	710	1060	710	679
75°	269	450	269	539	269	283
85°	46	115	46	97	46	62
90°	15	56	15	56	15	14
95°	142	651	142	651	142	158
105°	510	4435	510	4435	510	541
115°	906	5711	906	5711	906	895
125°	1261	4548	1261	4548	1261	1119
135°	1503	3529	1503	3529	1503	1163
145°	1743	2863	1743	2863	1743	1092
155°	1970	2465	1970	2465	1970	905
165°	2126	2296	2126	2296	2126	600
175°	2210	2225	2210	2225	2210	210
180°	2210	2210	2210	2210	2210	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4
2.5°	3054.2	3054.2	3071.4	3077.1	3077.1	3068.5	3059.9	3068.5	3094.3	3102.9	3100.0
5°	3042.7	3065.6	3097.2	3102.9	3108.6	3105.8	3100.0	3105.8	3134.4	3140.1	3143.0
7.5°	3019.8	3062.8	3102.9	3111.5	3120.1	3111.5	3108.6	3114.4	3143.0	3148.7	3148.7
10°	2991.2	3051.3	3097.2	3102.9	3111.5	3102.9	3102.9	3114.4	3143.0	3148.7	3151.6
12.5°	2951.0	3034.1	3077.1	3082.8	3094.3	3091.4	3088.6	3100.0	3128.7	3134.4	3134.4
15°	2905.2	3002.6	3042.7	3048.5	3068.5	3062.8	3062.8	3074.2	3105.8	3114.4	3111.5
17.5°	2842.2	2962.5	3008.3	3016.9	3031.3	3028.4	3031.3	3042.7	3071.4	3077.1	3080.0
20°	2770.6	2908.1	2962.5	2971.1	2985.4	2985.4	2985.4	2999.8	3028.4	3039.9	3039.9
22.5°	2673.1	2850.8	2908.1	2913.8	2931.0	2931.0	2936.7	2956.8	2982.6	2985.4	2985.4
25°	2558.5	2787.7	2836.4	2853.6	2870.8	2879.4	2888.0	2899.5	2908.1	2905.2	2908.1
27.5°	2438.1	2707.5	2770.6	2782.0	2804.9	2813.5	2825.0	2827.9	2830.7	2839.3	2833.6
30°	2303.5	2595.8	2690.3	2701.8	2739.0	2744.8	2733.3	2739.0	2753.4	2759.1	2764.8
32.5°	2151.6	2429.5	2607.2	2633.0	2667.4	2650.2	2647.4	2656.0	2678.9	2678.9	2684.6
35°	1945.3	2300.6	2529.9	2552.8	2578.6	2558.5	2570.0	2572.9	2587.2	2595.8	2592.9
37.5°	1719.0	2188.9	2449.6	2466.8	2486.8	2461.0	2478.2	2486.8	2498.3	2492.5	2492.5
40°	1518.4	2014.1	2355.0	2366.5	2383.7	2363.6	2380.8	2386.5	2392.3	2386.5	2383.7
42.5°	1369.5	1822.1	2254.8	2269.1	2257.6	2271.9	2277.7	2289.1	2280.5	2269.1	2269.1
45°	1254.9	1770.6	2145.9	2163.1	2145.9	2168.8	2177.4	2177.4	2151.6	2145.9	2143.0
47.5°	1217.6	1667.4	2037.0	2037.0	2028.4	2057.1	2071.4	2051.3	2025.6	2017.0	2017.0
50°	1214.8	1552.8	1888.0	1876.6	1916.7	1951.1	1936.7	1916.7	1896.6	1865.1	1865.1
52.5°	1103.0	1412.4	1696.1	1739.1	1802.1	1822.1	1799.2	1779.2	1744.8	1730.5	1719.0
55°	1022.8	1266.3	1521.3	1607.3	1673.2	1698.9	1656.0	1635.9	1584.3	1575.8	1570.0
57.5°	1005.6	1054.3	1360.9	1469.7	1550.0	1547.1	1521.3	1484.1	1441.1	1432.5	1429.6
60°	922.5	762.1	1189.0	1317.9	1401.0	1392.4	1369.5	1335.1	1295.0	1289.2	1283.5
62.5°	836.6	552.9	994.2	1140.3	1257.7	1254.9	1234.8	1183.2	1154.6	1140.3	1128.8
65°	710.5	464.1	707.7	948.3	1117.4	1123.1	1080.1	1042.9	1011.3	994.2	991.3
67.5°	541.5	378.2	478.5	790.7	982.7	977.0	922.5	905.3	865.2	856.6	839.4
70°	401.1	252.1	332.3	641.8	850.9	836.6	793.6	773.6	736.3	716.2	704.8
72.5°	332.3	203.4	243.5	498.5	716.2	699.1	661.8	638.9	607.4	590.2	578.7
75°	269.3	214.9	186.2	369.6	581.6	570.1	535.8	512.8	487.0	464.1	467.0
77.5°	197.7	200.5	149.0	272.2	461.3	444.1	424.0	395.4	383.9	361.0	361.0
80°	149.0	157.6	111.7	186.2	332.3	332.3	315.2	295.1	275.0	263.6	263.6
82.5°	100.3	100.3	83.1	117.5	226.3	217.7	206.3	200.5	189.1	183.4	183.4
85°	45.8	57.3	51.6	71.6	123.2	128.9	128.9	123.2	120.3	114.6	117.5
87.5°	14.3	25.8	31.5	40.1	63.0	65.9	68.8	68.8	68.8	71.6	71.6
90°	14.8	26.6	38.6	41.5	65.2	96.8	112.7	100.2	75.2	56.3	56.3
92.5°	59.3	160.2	261.1	286.3	402.5	557.4	634.9	556.4	399.5	281.8	270.6
95°	142.4	327.0	511.6	557.7	990.3	1567.3	1855.7	1655.9	1256.4	956.8	922.8
97.5°	246.2	409.0	571.9	612.6	1334.0	2295.9	2776.9	2650.6	2398.1	2208.7	2144.1
100°	326.3	474.1	621.7	658.7	1459.1	2526.5	3060.2	3069.5	3087.9	3101.7	3024.8
102.5°	394.6	532.4	670.1	704.6	1516.5	2599.0	3140.3	3301.1	3622.9	3864.2	3798.3
105°	510.3	627.0	743.7	772.9	1559.0	2607.2	3131.3	3492.0	4213.3	4754.2	4718.8
107.5°	629.0	737.7	846.5	873.7	1567.0	2491.3	2953.4	3456.4	4462.4	5217.0	5225.6
110°	709.1	807.3	905.5	930.1	1555.0	2388.4	2805.0	3367.4	4492.1	5335.7	5372.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	787.7	881.3	974.9	998.3	1555.5	2298.6	2670.1	3245.7	4396.7	5260.0	5316.8
115°	906.3	992.6	1079.1	1100.6	1569.9	2195.5	2508.4	3062.9	4171.7	5003.4	5082.0
117.5°	1023.6	1102.0	1180.5	1200.1	1599.1	2131.1	2397.1	2897.6	3898.3	4648.8	4736.0
120°	1091.8	1165.6	1239.5	1257.9	1622.8	2109.4	2352.6	2809.9	3724.3	4410.1	4494.8
122.5°	1158.5	1233.0	1307.5	1326.1	1656.9	2098.0	2318.5	2730.2	3553.7	4171.2	4254.8
125°	1260.9	1328.8	1396.7	1413.7	1703.0	2088.6	2281.4	2631.1	3330.7	3855.2	3932.2
127.5°	1344.0	1412.5	1481.1	1498.2	1748.9	2083.1	2250.3	2550.5	3151.1	3601.6	3666.5
130°	1388.5	1462.3	1536.1	1554.5	1782.5	2086.5	2238.4	2505.7	3040.4	3441.4	3501.4
132.5°	1434.4	1508.2	1582.1	1600.6	1809.7	2088.6	2228.0	2467.3	2946.0	3305.0	3358.7
135°	1502.7	1569.9	1637.2	1654.0	1839.4	2086.7	2210.3	2410.7	2811.5	3112.2	3158.5
137.5°	1572.4	1639.0	1705.5	1722.2	1883.8	2099.5	2207.3	2376.7	2715.5	2969.7	3007.6
140°	1630.2	1691.5	1752.8	1768.2	1911.1	2101.6	2196.9	2343.2	2635.9	2855.4	2890.9
142.5°	1674.7	1731.4	1788.1	1802.3	1933.8	2109.2	2196.9	2325.4	2582.6	2775.4	2805.9
145°	1743.0	1792.4	1841.9	1854.2	1963.5	2109.2	2182.1	2287.2	2497.5	2655.2	2678.3
147.5°	1811.2	1859.3	1907.4	1919.5	2007.0	2123.7	2182.1	2264.8	2430.3	2554.3	2573.4
150°	1855.7	1899.2	1942.8	1953.6	2029.8	2131.3	2182.1	2252.0	2391.7	2496.5	2511.9
152.5°	1901.7	1934.6	1967.7	1975.9	2044.7	2136.2	2182.1	2241.8	2361.0	2450.5	2462.3
155°	1969.9	1994.3	2018.7	2024.8	2077.2	2147.1	2182.1	2229.5	2324.5	2395.6	2403.4
157.5°	2020.4	2044.1	2067.9	2073.8	2109.9	2158.0	2182.1	2218.9	2292.8	2348.2	2353.6
160°	2054.5	2072.9	2091.4	2096.0	2124.7	2163.0	2182.1	2213.7	2277.0	2324.5	2327.6
162.5°	2088.6	2102.4	2116.3	2119.7	2140.5	2168.2	2182.1	2208.8	2262.2	2302.2	2305.2
165°	2125.6	2138.1	2150.7	2153.8	2163.3	2175.8	2182.1	2201.2	2239.4	2268.0	2271.2
167.5°	2159.8	2165.7	2171.7	2173.1	2181.0	2191.6	2196.9	2209.4	2234.4	2253.2	2254.6
170°	2182.1	2188.0	2193.9	2195.4	2195.8	2196.5	2196.9	2209.4	2234.4	2253.2	2253.2
172.5°	2193.9	2195.3	2196.6	2196.9	2196.9	2196.9	2196.9	2206.8	2226.6	2241.4	2240.2
175°	2210.3	2210.3	2210.3	2210.3	2205.8	2199.8	2196.9	2203.2	2215.7	2225.1	2225.1
177.5°	2210.3	2210.3	2210.3	2210.3	2206.8	2202.1	2199.8	2204.8	2214.6	2222.1	2220.8
180°	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4
2.5°	3105.8	3097.2	3105.8	3100.0	3102.9	3094.3	3068.5	3059.9	3068.5	3077.1	3077.1
5°	3143.0	3137.3	3143.0	3143.0	3140.1	3134.4	3105.8	3100.0	3105.8	3108.6	3102.9
7.5°	3154.5	3145.9	3154.5	3148.7	3148.7	3143.0	3114.4	3108.6	3111.5	3120.1	3111.5
10°	3154.5	3145.9	3154.5	3151.6	3148.7	3143.0	3114.4	3102.9	3102.9	3111.5	3102.9
12.5°	3140.1	3134.4	3140.1	3134.4	3134.4	3128.7	3100.0	3088.6	3091.4	3094.3	3082.8
15°	3117.2	3108.6	3117.2	3111.5	3114.4	3105.8	3074.2	3062.8	3062.8	3068.5	3048.5
17.5°	3082.8	3071.4	3082.8	3080.0	3077.1	3071.4	3042.7	3031.3	3028.4	3031.3	3016.9
20°	3042.7	3034.1	3042.7	3039.9	3039.9	3028.4	2999.8	2985.4	2985.4	2985.4	2971.1
22.5°	2979.7	2971.1	2979.7	2985.4	2985.4	2982.6	2956.8	2936.7	2931.0	2931.0	2913.8
25°	2908.1	2899.5	2908.1	2908.1	2905.2	2908.1	2899.5	2888.0	2879.4	2870.8	2853.6
27.5°	2839.3	2833.6	2839.3	2833.6	2839.3	2830.7	2827.9	2825.0	2813.5	2804.9	2782.0
30°	2770.6	2764.8	2770.6	2764.8	2759.1	2753.4	2739.0	2733.3	2744.8	2739.0	2701.8
32.5°	2684.6	2678.9	2684.6	2684.6	2678.9	2678.9	2656.0	2647.4	2650.2	2667.4	2633.0
35°	2595.8	2587.2	2595.8	2592.9	2595.8	2587.2	2572.9	2570.0	2558.5	2578.6	2552.8
37.5°	2492.5	2484.0	2492.5	2492.5	2492.5	2498.3	2486.8	2478.2	2461.0	2486.8	2466.8
40°	2386.5	2375.1	2386.5	2383.7	2386.5	2392.3	2386.5	2380.8	2363.6	2383.7	2366.5
42.5°	2266.2	2263.4	2266.2	2269.1	2269.1	2280.5	2289.1	2277.7	2271.9	2257.6	2269.1
45°	2137.3	2131.6	2137.3	2143.0	2145.9	2151.6	2177.4	2177.4	2168.8	2145.9	2163.1
47.5°	1999.8	1985.4	1999.8	2017.0	2017.0	2025.6	2051.3	2071.4	2057.1	2028.4	2037.0
50°	1853.7	1856.5	1853.7	1865.1	1865.1	1896.6	1916.7	1936.7	1951.1	1916.7	1876.6
52.5°	1710.4	1707.5	1710.4	1719.0	1730.5	1744.8	1779.2	1799.2	1822.1	1802.1	1739.1
55°	1567.2	1572.9	1567.2	1570.0	1575.8	1584.3	1635.9	1656.0	1698.9	1673.2	1607.3
57.5°	1423.9	1415.3	1423.9	1429.6	1432.5	1441.1	1484.1	1521.3	1547.1	1550.0	1469.7
60°	1257.7	1246.3	1257.7	1283.5	1289.2	1295.0	1335.1	1369.5	1392.4	1401.0	1317.9
62.5°	1111.6	1091.6	1111.6	1128.8	1140.3	1154.6	1183.2	1234.8	1254.9	1257.7	1140.3
65°	956.9	948.3	956.9	991.3	994.2	1011.3	1042.9	1080.1	1123.1	1117.4	948.3
67.5°	816.5	816.5	816.5	839.4	856.6	865.2	905.3	922.5	977.0	982.7	790.7
70°	687.6	684.7	687.6	704.8	716.2	736.3	773.6	793.6	836.6	850.9	641.8
72.5°	564.4	561.5	564.4	578.7	590.2	607.4	638.9	661.8	699.1	716.2	498.5
75°	455.5	449.8	455.5	467.0	464.1	487.0	512.8	535.8	570.1	581.6	369.6
77.5°	349.5	349.5	349.5	361.0	361.0	383.9	395.4	424.0	444.1	461.3	272.2
80°	260.7	257.8	260.7	263.6	263.6	275.0	295.1	315.2	332.3	332.3	186.2
82.5°	183.4	177.6	183.4	183.4	183.4	189.1	200.5	206.3	217.7	226.3	117.5
85°	114.6	114.6	114.6	117.5	114.6	120.3	123.2	128.9	128.9	123.2	71.6
87.5°	74.5	71.6	74.5	71.6	71.6	68.8	68.8	68.8	65.9	63.0	40.1
90°	56.3	56.3	56.3	56.3	56.3	75.2	100.2	112.7	96.8	65.2	41.5
92.5°	225.8	181.0	225.8	270.6	281.8	399.5	556.4	634.9	557.4	402.5	286.3
95°	787.0	651.2	787.0	922.8	956.8	1256.4	1655.9	1855.7	1567.3	990.3	557.7
97.5°	1885.6	1627.2	1885.6	2144.1	2208.7	2398.1	2650.6	2776.9	2295.9	1334.0	612.6
100°	2716.9	2409.0	2716.9	3024.8	3101.7	3087.9	3069.5	3060.2	2526.5	1459.1	658.7
102.5°	3534.6	3270.9	3534.6	3798.3	3864.2	3622.9	3301.1	3140.3	2599.0	1516.5	704.6
105°	4577.0	4435.3	4577.0	4718.8	4754.2	4213.3	3492.0	3131.3	2607.2	1559.0	772.9
107.5°	5259.9	5294.1	5259.9	5225.6	5217.0	4462.4	3456.4	2953.4	2491.3	1567.0	873.7
110°	5520.3	5667.9	5520.3	5372.6	5335.7	4492.1	3367.4	2805.0	2388.4	1555.0	930.1



TEST NUMBER: P935580

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5543.5	5770.3	5543.5	5316.8	5260.0	4396.7	3245.7	2670.1	2298.6	1555.5	998.3
115°	5396.5	5711.0	5396.5	5082.0	5003.4	4171.7	3062.9	2508.4	2195.5	1569.9	1100.6
117.5°	5084.8	5433.6	5084.8	4736.0	4648.8	3898.3	2897.6	2397.1	2131.1	1599.1	1200.1
120°	4833.6	5172.5	4833.6	4494.8	4410.1	3724.3	2809.9	2352.6	2109.4	1622.8	1257.9
122.5°	4589.1	4923.3	4589.1	4254.8	4171.2	3553.7	2730.2	2318.5	2098.0	1656.9	1326.1
125°	4240.1	4548.0	4240.1	3932.2	3855.2	3330.7	2631.1	2281.4	2088.6	1703.0	1413.7
127.5°	3926.3	4186.1	3926.3	3666.5	3601.6	3151.1	2550.5	2250.3	2083.1	1748.9	1498.2
130°	3741.4	3981.4	3741.4	3501.4	3441.4	3040.4	2505.7	2238.4	2086.5	1782.5	1554.5
132.5°	3573.6	3788.5	3573.6	3358.7	3305.0	2946.0	2467.3	2228.0	2088.6	1809.7	1600.6
135°	3343.6	3528.9	3343.6	3158.5	3112.2	2811.5	2410.7	2210.3	2086.7	1839.4	1654.0
137.5°	3159.2	3310.9	3159.2	3007.6	2969.7	2715.5	2376.7	2207.3	2099.5	1883.8	1722.2
140°	3032.7	3174.4	3032.7	2890.9	2855.4	2635.9	2343.2	2196.9	2101.6	1911.1	1768.2
142.5°	2927.8	3049.8	2927.8	2805.9	2775.4	2582.6	2325.4	2196.9	2109.2	1933.8	1802.3
145°	2770.6	2862.9	2770.6	2678.3	2655.2	2497.5	2287.2	2182.1	2109.2	1963.5	1854.2
147.5°	2649.9	2726.4	2649.9	2573.4	2554.3	2430.3	2264.8	2182.1	2123.7	2007.0	1919.5
150°	2574.0	2636.0	2574.0	2511.9	2496.5	2391.7	2252.0	2182.1	2131.3	2029.8	1953.6
152.5°	2509.1	2555.9	2509.1	2462.3	2450.5	2361.0	2241.8	2182.1	2136.2	2044.7	1975.9
155°	2434.4	2465.3	2434.4	2403.4	2395.6	2324.5	2229.5	2182.1	2147.1	2077.2	2024.8
157.5°	2375.4	2397.1	2375.4	2353.6	2348.2	2292.8	2218.9	2182.1	2158.0	2109.9	2073.8
160°	2340.1	2352.6	2340.1	2327.6	2324.5	2277.0	2213.7	2182.1	2163.0	2124.7	2096.0
162.5°	2317.0	2328.9	2317.0	2305.2	2302.2	2262.2	2208.8	2182.1	2168.2	2140.5	2119.7
165°	2283.7	2296.3	2283.7	2271.2	2268.0	2239.4	2201.2	2182.1	2175.8	2163.3	2153.8
167.5°	2259.8	2265.1	2259.8	2254.6	2253.2	2234.4	2209.4	2196.9	2191.6	2181.0	2173.1
170°	2253.2	2253.2	2253.2	2253.2	2253.2	2234.4	2209.4	2196.9	2196.5	2195.8	2195.4
172.5°	2235.6	2231.0	2235.6	2240.2	2241.4	2226.6	2206.8	2196.9	2196.9	2196.9	2196.9
175°	2225.1	2225.1	2225.1	2225.1	2225.1	2215.7	2203.2	2196.9	2199.8	2205.8	2210.3
177.5°	2215.5	2210.3	2215.5	2220.8	2222.1	2214.6	2204.8	2199.8	2202.1	2206.8	2210.3
180°	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4
2.5°	3071.4	3054.2	3054.2	3025.5	3014.1	3005.5	2991.2	2948.2	2936.7	2925.3	2942.5
5°	3097.2	3065.6	3042.7	2991.2	2948.2	2931.0	2876.6	2773.4	2704.7	2653.1	2624.4
7.5°	3102.9	3062.8	3019.8	2939.6	2836.4	2790.6	2624.4	2435.2	2383.7	2337.8	2309.2
10°	3097.2	3051.3	2991.2	2870.8	2627.3	2547.1	2380.8	2257.6	2226.1	2217.5	2226.1
12.5°	3077.1	3034.1	2951.0	2750.5	2409.5	2355.0	2257.6	2186.0	2180.3	2194.6	2271.9
15°	3042.7	3002.6	2905.2	2590.1	2289.1	2249.0	2180.3	2154.5	2186.0	2286.3	2518.3
17.5°	3008.3	2962.5	2842.2	2432.4	2197.5	2168.8	2120.1	2171.7	2349.3	2484.0	2561.4
20°	2962.5	2908.1	2770.6	2317.8	2131.6	2105.8	2082.9	2314.9	2449.6	2498.3	2541.4
22.5°	2908.1	2850.8	2673.1	2237.6	2062.8	2042.7	2057.1	2395.1	2449.6	2484.0	2521.2
25°	2836.4	2787.7	2558.5	2174.5	2008.4	1985.4	2039.9	2386.5	2418.1	2426.7	2501.1
27.5°	2770.6	2707.5	2438.1	2117.2	1942.5	1933.9	2054.2	2349.3	2372.2	2380.8	2461.0
30°	2690.3	2595.8	2303.5	2057.1	1873.7	1870.8	2057.1	2303.5	2297.7	2320.6	2400.9
32.5°	2607.2	2429.5	2151.6	1982.6	1807.8	1805.0	2037.0	2234.7	2229.0	2260.5	2320.6
35°	2529.9	2300.6	1945.3	1896.6	1724.7	1727.6	1988.3	2154.5	2157.3	2186.0	2223.2
37.5°	2449.6	2188.9	1719.0	1802.1	1644.5	1644.5	1922.4	2080.0	2074.3	2082.9	2134.4
40°	2355.0	2014.1	1518.4	1678.9	1570.0	1561.4	1842.2	1999.8	1979.7	1976.8	2048.5
42.5°	2254.8	1822.1	1369.5	1515.6	1484.1	1472.6	1744.8	1902.4	1865.1	1873.7	1965.4
45°	2145.9	1770.6	1254.9	1280.7	1395.3	1386.7	1638.8	1790.6	1764.8	1787.8	1882.3
47.5°	2037.0	1667.4	1217.6	1062.9	1300.7	1297.8	1521.3	1681.8	1667.4	1690.4	1790.6
50°	1888.0	1552.8	1214.8	911.1	1194.7	1206.2	1380.9	1575.8	1575.8	1595.8	1701.8
52.5°	1696.1	1412.4	1103.0	825.1	1071.5	1105.9	1257.7	1484.1	1489.8	1509.9	1604.4
55°	1521.3	1266.3	1022.8	759.2	925.4	999.9	1137.4	1389.5	1401.0	1421.0	1507.0
57.5°	1360.9	1054.3	1005.6	681.9	790.7	862.4	1031.4	1297.8	1303.6	1320.8	1403.8
60°	1189.0	762.1	922.5	598.8	673.3	727.7	934.0	1189.0	1209.0	1220.5	1292.1
62.5°	994.2	552.9	836.6	541.5	616.0	627.4	853.8	1085.8	1111.6	1120.2	1163.2
65°	707.7	464.1	710.5	492.8	555.8	558.7	767.8	979.8	1002.8	1017.1	1048.6
67.5°	478.5	378.2	541.5	446.9	510.0	512.8	684.7	856.6	888.2	899.6	919.7
70°	332.3	252.1	401.1	398.2	458.4	464.1	595.9	744.9	773.6	782.1	793.6
72.5°	243.5	203.4	332.3	358.1	404.0	409.7	504.2	618.8	647.5	656.1	661.8
75°	186.2	214.9	269.3	312.3	343.8	346.7	412.6	504.2	524.3	530.0	532.9
77.5°	149.0	200.5	197.7	252.1	280.8	275.0	323.7	389.6	406.8	406.8	406.8
80°	111.7	157.6	149.0	180.5	206.3	200.5	232.1	277.9	283.6	289.4	286.5
82.5°	83.1	100.3	100.3	114.6	137.5	131.8	154.7	180.5	180.5	180.5	186.2
85°	51.6	57.3	45.8	60.2	77.4	74.5	86.0	97.4	100.3	100.3	94.5
87.5°	31.5	25.8	14.3	22.9	34.4	34.4	40.1	43.0	40.1	40.1	40.1
90°	38.6	26.6	14.8	26.6	38.6	41.5	65.2	96.8	112.7	100.2	75.2
92.5°	261.1	160.2	59.3	160.2	261.1	286.3	402.5	557.4	634.9	556.4	399.5
95°	511.6	327.0	142.4	327.0	511.6	557.7	990.3	1567.3	1855.7	1655.9	1256.4
97.5°	571.9	409.0	246.2	409.0	571.9	612.6	1334.0	2295.9	2776.9	2650.6	2398.1
100°	621.7	474.1	326.3	474.1	621.7	658.7	1459.1	2526.5	3060.2	3069.5	3087.9
102.5°	670.1	532.4	394.6	532.4	670.1	704.6	1516.5	2599.0	3140.3	3301.1	3622.9
105°	743.7	627.0	510.3	627.0	743.7	772.9	1559.0	2607.2	3131.3	3492.0	4213.3
107.5°	846.5	737.7	629.0	737.7	846.5	873.7	1567.0	2491.3	2953.4	3456.4	4462.4
110°	905.5	807.3	709.1	807.3	905.5	930.1	1555.0	2388.4	2805.0	3367.4	4492.1



TEST NUMBER: P935580

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	974.9	881.3	787.7	881.3	974.9	998.3	1555.5	2298.6	2670.1	3245.7	4396.7
115°	1079.1	992.6	906.3	992.6	1079.1	1100.6	1569.9	2195.5	2508.4	3062.9	4171.7
117.5°	1180.5	1102.0	1023.6	1102.0	1180.5	1200.1	1599.1	2131.1	2397.1	2897.6	3898.3
120°	1239.5	1165.6	1091.8	1165.6	1239.5	1257.9	1622.8	2109.4	2352.6	2809.9	3724.3
122.5°	1307.5	1233.0	1158.5	1233.0	1307.5	1326.1	1656.9	2098.0	2318.5	2730.2	3553.7
125°	1396.7	1328.8	1260.9	1328.8	1396.7	1413.7	1703.0	2088.6	2281.4	2631.1	3330.7
127.5°	1481.1	1412.5	1344.0	1412.5	1481.1	1498.2	1748.9	2083.1	2250.3	2550.5	3151.1
130°	1536.1	1462.3	1388.5	1462.3	1536.1	1554.5	1782.5	2086.5	2238.4	2505.7	3040.4
132.5°	1582.1	1508.2	1434.4	1508.2	1582.1	1600.6	1809.7	2088.6	2228.0	2467.3	2946.0
135°	1637.2	1569.9	1502.7	1569.9	1637.2	1654.0	1839.4	2086.7	2210.3	2410.7	2811.5
137.5°	1705.5	1639.0	1572.4	1639.0	1705.5	1722.2	1883.8	2099.5	2207.3	2376.7	2715.5
140°	1752.8	1691.5	1630.2	1691.5	1752.8	1768.2	1911.1	2101.6	2196.9	2343.2	2635.9
142.5°	1788.1	1731.4	1674.7	1731.4	1788.1	1802.3	1933.8	2109.2	2196.9	2325.4	2582.6
145°	1841.9	1792.4	1743.0	1792.4	1841.9	1854.2	1963.5	2109.2	2182.1	2287.2	2497.5
147.5°	1907.4	1859.3	1811.2	1859.3	1907.4	1919.5	2007.0	2123.7	2182.1	2264.8	2430.3
150°	1942.8	1899.2	1855.7	1899.2	1942.8	1953.6	2029.8	2131.3	2182.1	2252.0	2391.7
152.5°	1967.7	1934.6	1901.7	1934.6	1967.7	1975.9	2044.7	2136.2	2182.1	2241.8	2361.0
155°	2018.7	1994.3	1969.9	1994.3	2018.7	2024.8	2077.2	2147.1	2182.1	2229.5	2324.5
157.5°	2067.9	2044.1	2020.4	2044.1	2067.9	2073.8	2109.9	2158.0	2182.1	2218.9	2292.8
160°	2091.4	2072.9	2054.5	2072.9	2091.4	2096.0	2124.7	2163.0	2182.1	2213.7	2277.0
162.5°	2116.3	2102.4	2088.6	2102.4	2116.3	2119.7	2140.5	2168.2	2182.1	2208.8	2262.2
165°	2150.7	2138.1	2125.6	2138.1	2150.7	2153.8	2163.3	2175.8	2182.1	2201.2	2239.4
167.5°	2171.7	2165.7	2159.8	2165.7	2171.7	2173.1	2181.0	2191.6	2196.9	2209.4	2234.4
170°	2193.9	2188.0	2182.1	2188.0	2193.9	2195.4	2195.8	2196.5	2196.9	2209.4	2234.4
172.5°	2196.6	2195.3	2193.9	2195.3	2196.6	2196.9	2196.9	2196.9	2196.9	2206.8	2226.6
175°	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2205.8	2199.8	2196.9	2203.2	2215.7
177.5°	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2206.8	2202.1	2199.8	2204.8	2214.6
180°	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3



TEST NUMBER: P935580
 CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4
2.5°	2922.4	2913.8	2925.3	2893.7	2925.3	2913.8	2922.4	2942.5	2925.3	2936.7	2948.2
5°	2564.3	2549.9	2504.0	2466.8	2504.0	2549.9	2564.3	2624.4	2653.1	2704.7	2773.4
7.5°	2292.0	2280.5	2269.1	2246.2	2269.1	2280.5	2292.0	2309.2	2337.8	2383.7	2435.2
10°	2231.8	2234.7	2251.9	2249.0	2251.9	2234.7	2231.8	2226.1	2217.5	2226.1	2257.6
12.5°	2386.5	2412.3	2506.9	2501.1	2506.9	2412.3	2386.5	2271.9	2194.6	2180.3	2186.0
15°	2564.3	2572.9	2592.9	2595.8	2592.9	2572.9	2564.3	2518.3	2286.3	2186.0	2154.5
17.5°	2581.5	2584.3	2598.7	2598.7	2598.7	2584.3	2581.5	2561.4	2484.0	2349.3	2171.7
20°	2567.1	2572.9	2601.5	2607.2	2601.5	2572.9	2567.1	2541.4	2498.3	2449.6	2314.9
22.5°	2561.4	2572.9	2595.8	2592.9	2595.8	2572.9	2561.4	2521.2	2484.0	2449.6	2395.1
25°	2532.8	2532.8	2535.6	2538.5	2535.6	2532.8	2532.8	2501.1	2426.7	2418.1	2386.5
27.5°	2472.5	2478.2	2495.4	2492.5	2495.4	2478.2	2472.5	2461.0	2380.8	2372.2	2349.3
30°	2418.1	2412.3	2398.0	2386.5	2398.0	2412.3	2418.1	2400.9	2320.6	2297.7	2303.5
32.5°	2326.4	2312.1	2297.7	2289.1	2297.7	2312.1	2326.4	2320.6	2260.5	2229.0	2234.7
35°	2217.5	2220.4	2217.5	2208.9	2217.5	2220.4	2217.5	2223.2	2186.0	2157.3	2154.5
37.5°	2140.2	2145.9	2143.0	2131.6	2143.0	2145.9	2140.2	2134.4	2082.9	2074.3	2080.0
40°	2059.9	2062.8	2059.9	2051.3	2059.9	2062.8	2059.9	2048.5	1976.8	1979.7	1999.8
42.5°	1982.6	1979.7	1971.1	1965.4	1971.1	1979.7	1982.6	1965.4	1873.7	1865.1	1902.4
45°	1893.8	1896.6	1879.4	1870.8	1879.4	1896.6	1893.8	1882.3	1787.8	1764.8	1790.6
47.5°	1805.0	1805.0	1790.6	1782.0	1790.6	1805.0	1805.0	1790.6	1690.4	1667.4	1681.8
50°	1710.4	1707.5	1687.5	1684.6	1687.5	1707.5	1710.4	1701.8	1595.8	1575.8	1575.8
52.5°	1601.5	1601.5	1604.4	1610.1	1604.4	1601.5	1601.5	1604.4	1509.9	1489.8	1484.1
55°	1507.0	1509.9	1529.9	1535.6	1529.9	1509.9	1507.0	1507.0	1421.0	1401.0	1389.5
57.5°	1409.6	1409.6	1423.9	1423.9	1423.9	1409.6	1409.6	1403.8	1320.8	1303.6	1297.8
60°	1297.8	1303.6	1315.0	1312.2	1315.0	1303.6	1297.8	1292.1	1220.5	1209.0	1189.0
62.5°	1180.4	1186.1	1189.0	1183.2	1189.0	1186.1	1180.4	1163.2	1120.2	1111.6	1085.8
65°	1057.2	1062.9	1065.8	1060.0	1065.8	1062.9	1057.2	1048.6	1017.1	1002.8	979.8
67.5°	931.1	928.3	925.4	936.9	925.4	928.3	931.1	919.7	899.6	888.2	856.6
70°	802.2	802.2	799.3	805.1	799.3	802.2	802.2	793.6	782.1	773.6	744.9
72.5°	664.7	661.8	673.3	664.7	673.3	661.8	664.7	661.8	656.1	647.5	618.8
75°	530.0	535.8	530.0	538.6	530.0	535.8	530.0	532.9	530.0	524.3	504.2
77.5°	404.0	409.7	404.0	404.0	404.0	409.7	404.0	406.8	406.8	406.8	389.6
80°	286.5	283.6	283.6	280.8	283.6	283.6	286.5	286.5	289.4	283.6	277.9
82.5°	183.4	180.5	180.5	186.2	180.5	180.5	183.4	186.2	180.5	180.5	180.5
85°	100.3	103.1	97.4	97.4	97.4	103.1	100.3	94.5	100.3	100.3	97.4
87.5°	37.2	34.4	34.4	34.4	34.4	34.4	37.2	40.1	40.1	40.1	43.0
90°	56.3	56.3	56.3	56.3	56.3	56.3	56.3	75.2	100.2	112.7	96.8
92.5°	281.8	270.6	225.8	181.0	225.8	270.6	281.8	399.5	556.4	634.9	557.4
95°	956.8	922.8	787.0	651.2	787.0	922.8	956.8	1256.4	1655.9	1855.7	1567.3
97.5°	2208.7	2144.1	1885.6	1627.2	1885.6	2144.1	2208.7	2398.1	2650.6	2776.9	2295.9
100°	3101.7	3024.8	2716.9	2409.0	2716.9	3024.8	3101.7	3087.9	3069.5	3060.2	2526.5
102.5°	3864.2	3798.3	3534.6	3270.9	3534.6	3798.3	3864.2	3622.9	3301.1	3140.3	2599.0
105°	4754.2	4718.8	4577.0	4435.3	4577.0	4718.8	4754.2	4213.3	3492.0	3131.3	2607.2
107.5°	5217.0	5225.6	5259.9	5294.1	5259.9	5225.6	5217.0	4462.4	3456.4	2953.4	2491.3
110°	5335.7	5372.6	5520.3	5667.9	5520.3	5372.6	5335.7	4492.1	3367.4	2805.0	2388.4



TEST NUMBER: P935580

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5260.0	5316.8	5543.5	5770.3	5543.5	5316.8	5260.0	4396.7	3245.7	2670.1	2298.6
115°	5003.4	5082.0	5396.5	5711.0	5396.5	5082.0	5003.4	4171.7	3062.9	2508.4	2195.5
117.5°	4648.8	4736.0	5084.8	5433.6	5084.8	4736.0	4648.8	3898.3	2897.6	2397.1	2131.1
120°	4410.1	4494.8	4833.6	5172.5	4833.6	4494.8	4410.1	3724.3	2809.9	2352.6	2109.4
122.5°	4171.2	4254.8	4589.1	4923.3	4589.1	4254.8	4171.2	3553.7	2730.2	2318.5	2098.0
125°	3855.2	3932.2	4240.1	4548.0	4240.1	3932.2	3855.2	3330.7	2631.1	2281.4	2088.6
127.5°	3601.6	3666.5	3926.3	4186.1	3926.3	3666.5	3601.6	3151.1	2550.5	2250.3	2083.1
130°	3441.4	3501.4	3741.4	3981.4	3741.4	3501.4	3441.4	3040.4	2505.7	2238.4	2086.5
132.5°	3305.0	3358.7	3573.6	3788.5	3573.6	3358.7	3305.0	2946.0	2467.3	2228.0	2088.6
135°	3112.2	3158.5	3343.6	3528.9	3343.6	3158.5	3112.2	2811.5	2410.7	2210.3	2086.7
137.5°	2969.7	3007.6	3159.2	3310.9	3159.2	3007.6	2969.7	2715.5	2376.7	2207.3	2099.5
140°	2855.4	2890.9	3032.7	3174.4	3032.7	2890.9	2855.4	2635.9	2343.2	2196.9	2101.6
142.5°	2775.4	2805.9	2927.8	3049.8	2927.8	2805.9	2775.4	2582.6	2325.4	2196.9	2109.2
145°	2655.2	2678.3	2770.6	2862.9	2770.6	2678.3	2655.2	2497.5	2287.2	2182.1	2109.2
147.5°	2554.3	2573.4	2649.9	2726.4	2649.9	2573.4	2554.3	2430.3	2264.8	2182.1	2123.7
150°	2496.5	2511.9	2574.0	2636.0	2574.0	2511.9	2496.5	2391.7	2252.0	2182.1	2131.3
152.5°	2450.5	2462.3	2509.1	2555.9	2509.1	2462.3	2450.5	2361.0	2241.8	2182.1	2136.2
155°	2395.6	2403.4	2434.4	2465.3	2434.4	2403.4	2395.6	2324.5	2229.5	2182.1	2147.1
157.5°	2348.2	2353.6	2375.4	2397.1	2375.4	2353.6	2348.2	2292.8	2218.9	2182.1	2158.0
160°	2324.5	2327.6	2340.1	2352.6	2340.1	2327.6	2324.5	2277.0	2213.7	2182.1	2163.0
162.5°	2302.2	2305.2	2317.0	2328.9	2317.0	2305.2	2302.2	2262.2	2208.8	2182.1	2168.2
165°	2268.0	2271.2	2283.7	2296.3	2283.7	2271.2	2268.0	2239.4	2201.2	2182.1	2175.8
167.5°	2253.2	2254.6	2259.8	2265.1	2259.8	2254.6	2253.2	2234.4	2209.4	2196.9	2191.6
170°	2253.2	2253.2	2253.2	2253.2	2253.2	2253.2	2253.2	2234.4	2209.4	2196.9	2196.5
172.5°	2241.4	2240.2	2235.6	2231.0	2235.6	2240.2	2241.4	2226.6	2206.8	2196.9	2196.9
175°	2225.1	2225.1	2225.1	2225.1	2225.1	2225.1	2225.1	2215.7	2203.2	2196.9	2199.8
177.5°	2222.1	2220.8	2215.5	2210.3	2215.5	2220.8	2222.1	2214.6	2204.8	2199.8	2202.1
180°	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3028.4	3028.4	3028.4	3028.4	3028.4
2.5°	2991.2	3005.5	3014.1	3025.5	3054.2
5°	2876.6	2931.0	2948.2	2991.2	3042.7
7.5°	2624.4	2790.6	2836.4	2939.6	3019.8
10°	2380.8	2547.1	2627.3	2870.8	2991.2
12.5°	2257.6	2355.0	2409.5	2750.5	2951.0
15°	2180.3	2249.0	2289.1	2590.1	2905.2
17.5°	2120.1	2168.8	2197.5	2432.4	2842.2
20°	2082.9	2105.8	2131.6	2317.8	2770.6
22.5°	2057.1	2042.7	2062.8	2237.6	2673.1
25°	2039.9	1985.4	2008.4	2174.5	2558.5
27.5°	2054.2	1933.9	1942.5	2117.2	2438.1
30°	2057.1	1870.8	1873.7	2057.1	2303.5
32.5°	2037.0	1805.0	1807.8	1982.6	2151.6
35°	1988.3	1727.6	1724.7	1896.6	1945.3
37.5°	1922.4	1644.5	1644.5	1802.1	1719.0
40°	1842.2	1561.4	1570.0	1678.9	1518.4
42.5°	1744.8	1472.6	1484.1	1515.6	1369.5
45°	1638.8	1386.7	1395.3	1280.7	1254.9
47.5°	1521.3	1297.8	1300.7	1062.9	1217.6
50°	1380.9	1206.2	1194.7	911.1	1214.8
52.5°	1257.7	1105.9	1071.5	825.1	1103.0
55°	1137.4	999.9	925.4	759.2	1022.8
57.5°	1031.4	862.4	790.7	681.9	1005.6
60°	934.0	727.7	673.3	598.8	922.5
62.5°	853.8	627.4	616.0	541.5	836.6
65°	767.8	558.7	555.8	492.8	710.5
67.5°	684.7	512.8	510.0	446.9	541.5
70°	595.9	464.1	458.4	398.2	401.1
72.5°	504.2	409.7	404.0	358.1	332.3
75°	412.6	346.7	343.8	312.3	269.3
77.5°	323.7	275.0	280.8	252.1	197.7
80°	232.1	200.5	206.3	180.5	149.0
82.5°	154.7	131.8	137.5	114.6	100.3
85°	86.0	74.5	77.4	60.2	45.8
87.5°	40.1	34.4	34.4	22.9	14.3
90°	65.2	41.5	38.6	26.6	14.8
92.5°	402.5	286.3	261.1	160.2	59.3
95°	990.3	557.7	511.6	327.0	142.4
97.5°	1334.0	612.6	571.9	409.0	246.2
100°	1459.1	658.7	621.7	474.1	326.3
102.5°	1516.5	704.6	670.1	532.4	394.6
105°	1559.0	772.9	743.7	627.0	510.3
107.5°	1567.0	873.7	846.5	737.7	629.0
110°	1555.0	930.1	905.5	807.3	709.1



TEST NUMBER: P935580

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1555.5	998.3	974.9	881.3	787.7
115°	1569.9	1100.6	1079.1	992.6	906.3
117.5°	1599.1	1200.1	1180.5	1102.0	1023.6
120°	1622.8	1257.9	1239.5	1165.6	1091.8
122.5°	1656.9	1326.1	1307.5	1233.0	1158.5
125°	1703.0	1413.7	1396.7	1328.8	1260.9
127.5°	1748.9	1498.2	1481.1	1412.5	1344.0
130°	1782.5	1554.5	1536.1	1462.3	1388.5
132.5°	1809.7	1600.6	1582.1	1508.2	1434.4
135°	1839.4	1654.0	1637.2	1569.9	1502.7
137.5°	1883.8	1722.2	1705.5	1639.0	1572.4
140°	1911.1	1768.2	1752.8	1691.5	1630.2
142.5°	1933.8	1802.3	1788.1	1731.4	1674.7
145°	1963.5	1854.2	1841.9	1792.4	1743.0
147.5°	2007.0	1919.5	1907.4	1859.3	1811.2
150°	2029.8	1953.6	1942.8	1899.2	1855.7
152.5°	2044.7	1975.9	1967.7	1934.6	1901.7
155°	2077.2	2024.8	2018.7	1994.3	1969.9
157.5°	2109.9	2073.8	2067.9	2044.1	2020.4
160°	2124.7	2096.0	2091.4	2072.9	2054.5
162.5°	2140.5	2119.7	2116.3	2102.4	2088.6
165°	2163.3	2153.8	2150.7	2138.1	2125.6
167.5°	2181.0	2173.1	2171.7	2165.7	2159.8
170°	2195.8	2195.4	2193.9	2188.0	2182.1
172.5°	2196.9	2196.9	2196.6	2195.3	2193.9
175°	2205.8	2210.3	2210.3	2210.3	2210.3
177.5°	2206.8	2210.3	2210.3	2210.3	2210.3
180°	2210.3	2210.3	2210.3	2210.3	2210.3



TEST NUMBER: P935580
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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	11.06	11.81	12.14	12.88	14.35	13.91	14.66	14.99	15.73	17.20
	3H	11.53	12.20	12.61	13.28	14.76	15.26	15.92	16.34	17.01	18.49
	4H	11.72	12.35	12.81	13.43	14.92	15.70	16.33	16.79	17.42	18.91
	6H	11.83	12.41	12.93	13.50	15.00	15.98	16.57	17.09	17.65	19.15
	8H	11.83	12.38	12.93	13.48	14.98	16.06	16.61	17.16	17.71	19.21
	12H	11.79	12.32	12.90	13.42	14.93	16.10	16.62	17.21	17.72	19.24
4H	2H	12.09	12.72	13.19	13.80	15.29	14.31	14.94	15.41	16.02	17.51
	3H	13.10	13.63	14.21	14.74	16.24	15.81	16.34	16.92	17.45	18.95
	4H	13.37	13.86	14.48	14.96	16.48	16.34	16.82	17.45	17.92	19.44
	6H	13.49	13.91	14.61	15.03	16.54	16.70	17.11	17.82	18.24	19.75
	8H	13.49	13.88	14.61	15.00	16.53	16.81	17.19	17.93	18.31	19.84
	12H	13.46	13.81	14.59	14.93	16.47	16.86	17.21	18.00	18.34	19.88
8H	4H	13.82	14.21	14.94	15.32	16.85	16.45	16.84	17.57	17.95	19.48
	6H	14.08	14.40	15.22	15.55	17.08	16.89	17.21	18.03	18.37	19.89
	8H	14.12	14.40	15.26	15.54	17.08	17.04	17.32	18.19	18.46	20.01
	12H	14.10	14.34	15.25	15.48	17.06	17.14	17.38	18.29	18.52	20.10
12H	4H	13.82	14.17	14.96	15.30	16.84	16.41	16.76	17.55	17.89	19.42
	6H	14.14	14.42	15.28	15.56	17.10	16.88	17.16	18.03	18.30	19.85
	8H	14.20	14.44	15.35	15.58	17.16	17.04	17.29	18.19	18.42	20.01