

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: P935555

Luminaire Tested: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

**Test Information**

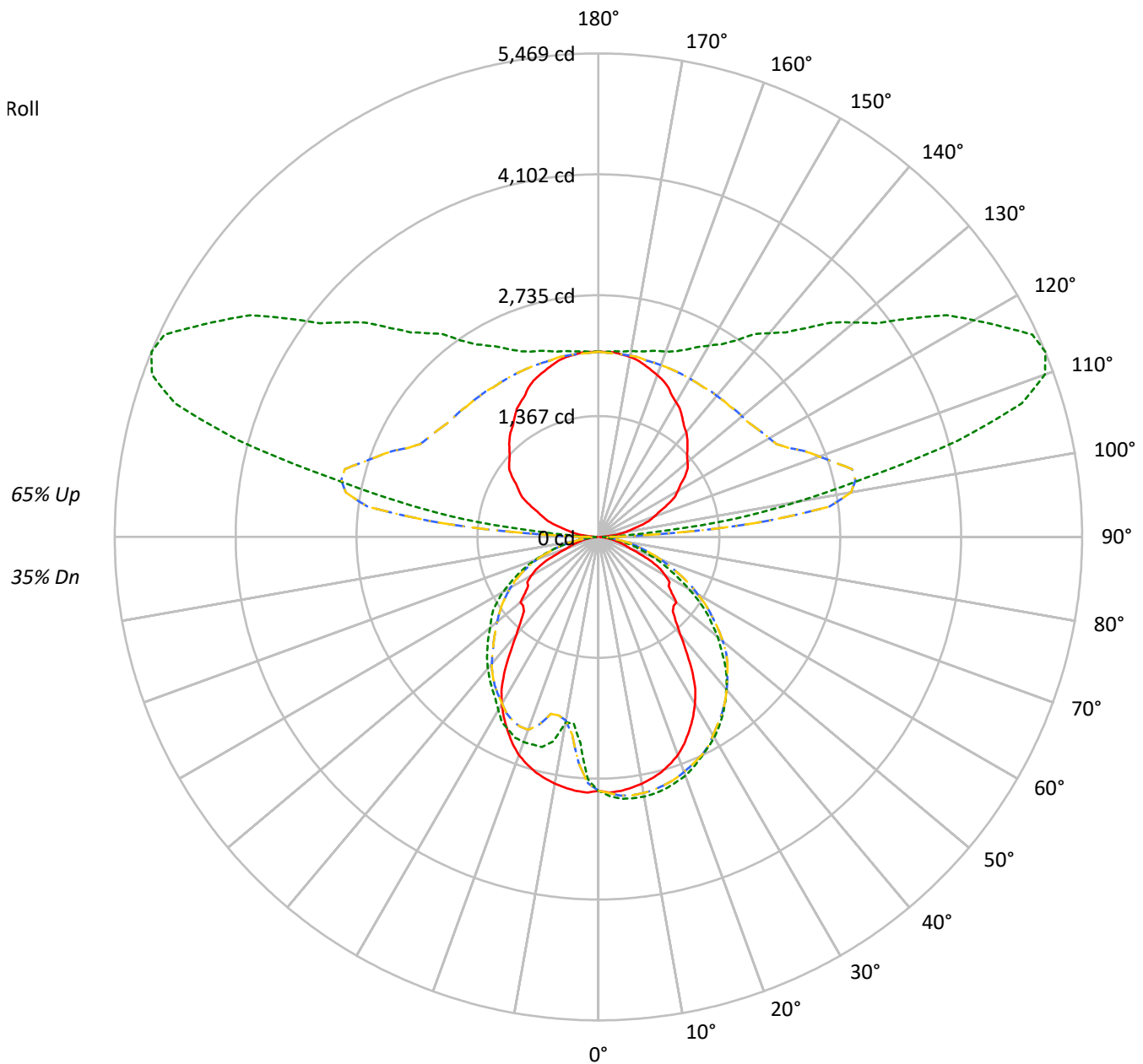
Test Method: LM-79-2019  
Report Number: P935555  
REPORT IS A COMBINATION OF REPORTS P933757 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-12-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21030.4 lumens  
Efficiency: N/A  
Efficacy: 126.1 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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CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-12-4000K

### 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	75	75	75	58	58	58	43	43	43	35				35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30				30
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25				25
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21				21
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18				18
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16				16
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14				14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12				12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11				11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10				10
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9				9

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	8878	8878	8878	8878
5°	8948	8962	8948	7047
10°	8891	8828	8891	6311
15°	8798	8637	8798	7212
20°	8618	8410	8618	7227
25°	8244	8080	8244	7074
30°	7760	7805	7760	6738
35°	6922	7459	6922	6368
40°	5771	7050	5771	6089
45°	5160	6571	5160	5768
50°	5486	6001	5486	5445
55°	5166	5387	5166	5259
60°	5332	4575	5332	4817
65°	4842	3782	4842	4227
70°	3361	3014	3361	3544
75°	2959	2228	2959	2668
80°	2402	1473	2402	1604
85°	1406	780	1406	663

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 7903 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	259.1	1.2
10°-20°	735.6	3.5
20°-30°	1137.2	5.4
30°-40°	1357.5	6.5
40°-50°	1365.5	6.5
50°-60°	1188.1	5.6
60°-70°	842.4	4.0
70°-80°	445.7	2.1
80°-90°	119.0	0.6
90°-100°	1021.1	4.9
100°-110°	2684.7	12.8
110°-120°	2783.7	13.2
120°-130°	2232.9	10.6
130°-140°	1752.0	8.3
140°-150°	1344.7	6.4
150°-160°	968.4	4.6
160°-170°	592.5	2.8
170°-180°	200.2	1.0
0°-30°	2131.9	10.1
0°-40°	3489.5	16.6
0°-60°	6043.1	28.7
0°-90°	7450.1	35.4
90°-120°	6489.5	30.9
90°-150°	11819.1	56.2
90°-180°	13580.0	64.6
0°-180°	21030.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2870	2870	2870	2870	2870	
5°	2884	2974	2884	2338	2884	274
15°	2754	2946	2754	2460	2754	775
25°	2425	2748	2425	2406	2425	1113
35°	1844	2452	1844	2094	1844	1141
45°	1189	2020	1189	1773	1189	953
55°	969	1491	969	1456	969	891
65°	673	899	673	1005	673	644
75°	255	426	255	510	255	268
85°	43	109	43	92	43	59
90°	14	53	14	53	14	13
95°	135	617	135	617	135	150
105°	484	4204	484	4204	484	513
115°	859	5413	859	5413	859	848
125°	1195	4311	1195	4311	1195	1061
135°	1424	3345	1424	3345	1424	1102
145°	1652	2714	1652	2714	1652	1035
155°	1867	2337	1867	2337	1867	858
165°	2015	2176	2015	2176	2015	569
175°	2095	2109	2095	2109	2095	199
180°	2095	2095	2095	2095	2095	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4
2.5°	2894.8	2894.8	2911.1	2916.5	2916.5	2908.4	2900.2	2908.4	2932.8	2941.0	2938.2
5°	2883.9	2905.7	2935.5	2941.0	2946.4	2943.7	2938.2	2943.7	2970.8	2976.3	2979.0
7.5°	2862.2	2902.9	2941.0	2949.1	2957.3	2949.1	2946.4	2951.8	2979.0	2984.4	2984.4
10°	2835.1	2892.1	2935.5	2941.0	2949.1	2941.0	2941.0	2951.8	2979.0	2984.4	2987.1
12.5°	2797.0	2875.8	2916.5	2922.0	2932.8	2930.1	2927.4	2938.2	2965.4	2970.8	2970.8
15°	2753.6	2845.9	2883.9	2889.4	2908.4	2902.9	2902.9	2913.8	2943.7	2951.8	2949.1
17.5°	2693.8	2807.9	2851.3	2859.5	2873.1	2870.4	2873.1	2883.9	2911.1	2916.5	2919.2
20°	2626.0	2756.3	2807.9	2816.0	2829.6	2829.6	2829.6	2843.2	2870.4	2881.2	2881.2
22.5°	2533.6	2702.0	2756.3	2761.7	2778.0	2778.0	2783.5	2802.5	2826.9	2829.6	2829.6
25°	2425.0	2642.3	2688.4	2704.7	2721.0	2729.2	2737.3	2748.2	2756.3	2753.6	2756.3
27.5°	2310.9	2566.2	2626.0	2636.8	2658.5	2666.7	2677.6	2680.3	2683.0	2691.1	2685.7
30°	2183.2	2460.3	2549.9	2560.8	2596.1	2601.5	2590.7	2596.1	2609.7	2615.1	2620.5
32.5°	2039.3	2302.7	2471.2	2495.6	2528.2	2511.9	2509.2	2517.3	2539.1	2539.1	2544.5
35°	1843.8	2180.5	2397.9	2419.6	2444.0	2425.0	2435.9	2438.6	2452.2	2460.3	2457.6
37.5°	1629.3	2074.6	2321.7	2338.0	2357.0	2332.6	2348.9	2357.0	2367.9	2362.5	2362.5
40°	1439.2	1909.0	2232.1	2243.0	2259.3	2240.3	2256.6	2262.0	2267.4	2262.0	2259.3
42.5°	1298.0	1727.0	2137.1	2150.7	2139.8	2153.4	2158.8	2169.7	2161.5	2150.7	2150.7
45°	1189.4	1678.2	2033.9	2050.2	2033.9	2055.6	2063.8	2063.8	2039.3	2033.9	2031.2
47.5°	1154.1	1580.4	1930.7	1930.7	1922.6	1949.7	1963.3	1944.3	1919.8	1911.7	1911.7
50°	1151.4	1471.8	1789.5	1778.6	1816.7	1849.2	1835.7	1816.7	1797.6	1767.8	1767.8
52.5°	1045.5	1338.7	1607.6	1648.3	1708.0	1727.0	1705.3	1686.3	1653.7	1640.2	1629.3
55°	969.4	1200.2	1441.9	1523.4	1585.8	1610.3	1569.5	1550.5	1501.7	1493.5	1488.1
57.5°	953.1	999.3	1289.9	1393.0	1469.1	1466.4	1441.9	1406.6	1365.9	1357.7	1355.0
60°	874.4	722.3	1126.9	1249.1	1327.9	1319.7	1298.0	1265.4	1227.4	1222.0	1216.5
62.5°	792.9	524.1	942.3	1080.8	1192.1	1189.4	1170.4	1121.5	1094.3	1080.8	1069.9
65°	673.4	439.9	670.7	898.8	1059.0	1064.5	1023.7	988.4	958.6	942.3	939.6
67.5°	513.2	358.4	453.5	749.5	931.4	926.0	874.4	858.1	820.1	811.9	795.6
70°	380.2	239.0	315.0	608.3	806.5	792.9	752.2	733.2	697.9	678.9	668.0
72.5°	315.0	192.8	230.8	472.5	678.9	662.6	627.3	605.6	575.7	559.4	548.5
75°	255.3	203.7	176.5	350.3	551.2	540.4	507.8	486.1	461.6	439.9	442.6
77.5°	187.4	190.1	141.2	258.0	437.2	420.9	401.9	374.7	363.9	342.2	342.2
80°	141.2	149.4	105.9	176.5	315.0	315.0	298.7	279.7	260.7	249.8	249.8
82.5°	95.0	95.0	78.7	111.3	214.5	206.4	195.5	190.1	179.2	173.8	173.8
85°	43.4	54.3	48.9	67.9	116.8	122.2	122.2	116.8	114.1	108.6	111.3
87.5°	13.6	24.4	29.9	38.0	59.7	62.5	65.2	65.2	65.2	67.9	67.9
90°	14.0	25.3	36.6	39.4	61.8	91.8	106.8	95.0	71.2	53.4	53.4
92.5°	56.2	151.8	247.5	271.4	381.5	528.3	601.8	527.3	378.6	267.1	256.5
95°	135.0	309.9	484.9	528.6	938.7	1485.5	1758.8	1569.5	1190.8	906.9	874.7
97.5°	233.4	387.7	542.1	580.7	1264.4	2176.1	2631.9	2512.3	2272.9	2093.5	2032.2
100°	309.3	449.3	589.3	624.3	1383.0	2394.7	2900.5	2909.3	2926.7	2939.9	2866.9
102.5°	374.0	504.6	635.2	667.8	1437.4	2463.4	2976.4	3128.9	3433.8	3662.6	3600.1
105°	483.6	594.2	704.8	732.5	1477.7	2471.2	2967.9	3309.7	3993.4	4506.1	4472.5
107.5°	596.1	699.2	802.3	828.1	1485.2	2361.3	2799.3	3276.0	4229.5	4944.7	4952.9
110°	672.1	765.1	858.3	881.5	1473.9	2263.7	2658.6	3191.7	4257.7	5057.2	5092.3



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	746.6	835.3	924.0	946.2	1474.3	2178.6	2530.7	3076.3	4167.3	4985.5	5039.3
115°	859.0	940.8	1022.7	1043.2	1488.0	2081.0	2377.5	2903.0	3954.0	4742.3	4816.8
117.5°	970.2	1044.5	1118.9	1137.4	1515.6	2019.9	2272.0	2746.3	3694.9	4406.2	4488.9
120°	1034.8	1104.7	1174.8	1192.3	1538.1	1999.3	2229.9	2663.3	3529.9	4179.9	4260.2
122.5°	1098.1	1168.7	1239.3	1256.9	1570.5	1988.5	2197.5	2587.8	3368.2	3953.6	4032.8
125°	1195.1	1259.4	1323.8	1339.9	1614.1	1979.6	2162.3	2493.8	3156.8	3654.0	3727.0
127.5°	1273.8	1338.8	1403.8	1420.0	1657.6	1974.4	2132.8	2417.4	2986.7	3413.6	3475.2
130°	1316.0	1386.0	1456.0	1473.4	1689.5	1977.6	2121.6	2375.0	2881.8	3261.8	3318.7
132.5°	1359.6	1429.5	1499.6	1517.0	1715.3	1979.6	2111.7	2338.6	2792.2	3132.5	3183.5
135°	1424.3	1488.0	1551.7	1567.6	1743.4	1977.8	2094.9	2284.9	2664.8	2949.7	2993.6
137.5°	1490.3	1553.4	1616.5	1632.3	1785.5	1989.9	2092.1	2252.7	2573.8	2814.7	2850.6
140°	1545.1	1603.2	1661.3	1675.9	1811.3	1991.9	2082.2	2220.9	2498.3	2706.4	2740.0
142.5°	1587.3	1641.1	1694.8	1708.2	1832.9	1999.1	2082.2	2204.1	2447.8	2630.6	2659.5
145°	1652.0	1698.9	1745.8	1757.5	1861.0	1999.1	2068.2	2167.9	2367.2	2516.6	2538.5
147.5°	1716.6	1762.3	1807.9	1819.3	1902.3	2012.9	2068.2	2146.6	2303.5	2421.0	2439.1
150°	1758.8	1800.1	1841.4	1851.7	1923.8	2020.0	2068.2	2134.5	2266.9	2366.2	2380.8
152.5°	1802.4	1833.7	1865.0	1872.8	1937.9	2024.8	2068.2	2124.8	2237.8	2322.6	2333.8
155°	1867.1	1890.2	1913.3	1919.1	1968.8	2035.1	2068.2	2113.2	2203.2	2270.6	2277.9
157.5°	1915.0	1937.4	1959.9	1965.6	1999.8	2045.4	2068.2	2103.1	2173.1	2225.6	2230.8
160°	1947.3	1964.7	1982.3	1986.6	2013.8	2050.1	2068.2	2098.2	2158.2	2203.2	2206.1
162.5°	1979.6	1992.7	2005.8	2009.1	2028.8	2055.1	2068.2	2093.5	2144.1	2182.1	2184.9
165°	2014.7	2026.6	2038.4	2041.4	2050.4	2062.2	2068.2	2086.3	2122.5	2149.7	2152.7
167.5°	2047.1	2052.7	2058.3	2059.7	2067.2	2077.3	2082.2	2094.1	2117.8	2135.6	2136.9
170°	2068.2	2073.8	2079.4	2080.8	2081.2	2081.9	2082.2	2094.1	2117.8	2135.6	2135.6
172.5°	2079.4	2080.7	2082.0	2082.2	2082.2	2082.2	2082.2	2091.6	2110.4	2124.4	2123.3
175°	2094.9	2094.9	2094.9	2094.9	2090.7	2085.0	2082.2	2088.2	2100.1	2108.9	2108.9
177.5°	2094.9	2094.9	2094.9	2094.9	2091.6	2087.2	2085.0	2089.7	2099.1	2106.1	2104.9
180°	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4
2.5°	2943.7	2935.5	2943.7	2938.2	2941.0	2932.8	2908.4	2900.2	2908.4	2916.5	2916.5
5°	2979.0	2973.5	2979.0	2979.0	2976.3	2970.8	2943.7	2938.2	2943.7	2946.4	2941.0
7.5°	2989.8	2981.7	2989.8	2984.4	2984.4	2979.0	2951.8	2946.4	2949.1	2957.3	2949.1
10°	2989.8	2981.7	2989.8	2987.1	2984.4	2979.0	2951.8	2941.0	2941.0	2949.1	2941.0
12.5°	2976.3	2970.8	2976.3	2970.8	2970.8	2965.4	2938.2	2927.4	2930.1	2932.8	2922.0
15°	2954.5	2946.4	2954.5	2949.1	2951.8	2943.7	2913.8	2902.9	2902.9	2908.4	2889.4
17.5°	2922.0	2911.1	2922.0	2919.2	2916.5	2911.1	2883.9	2873.1	2870.4	2873.1	2859.5
20°	2883.9	2875.8	2883.9	2881.2	2881.2	2870.4	2843.2	2829.6	2829.6	2829.6	2816.0
22.5°	2824.2	2816.0	2824.2	2829.6	2829.6	2826.9	2802.5	2783.5	2778.0	2778.0	2761.7
25°	2756.3	2748.2	2756.3	2756.3	2753.6	2756.3	2748.2	2737.3	2729.2	2721.0	2704.7
27.5°	2691.1	2685.7	2691.1	2685.7	2691.1	2683.0	2680.3	2677.6	2666.7	2658.5	2636.8
30°	2626.0	2620.5	2626.0	2620.5	2615.1	2609.7	2596.1	2590.7	2601.5	2596.1	2560.8
32.5°	2544.5	2539.1	2544.5	2544.5	2539.1	2539.1	2517.3	2509.2	2511.9	2528.2	2495.6
35°	2460.3	2452.2	2460.3	2457.6	2460.3	2452.2	2438.6	2435.9	2425.0	2444.0	2419.6
37.5°	2362.5	2354.3	2362.5	2362.5	2362.5	2367.9	2357.0	2348.9	2332.6	2357.0	2338.0
40°	2262.0	2251.1	2262.0	2259.3	2262.0	2267.4	2262.0	2256.6	2240.3	2259.3	2243.0
42.5°	2147.9	2145.2	2147.9	2150.7	2150.7	2161.5	2169.7	2158.8	2153.4	2139.8	2150.7
45°	2025.8	2020.3	2025.8	2031.2	2033.9	2039.3	2063.8	2063.8	2055.6	2033.9	2050.2
47.5°	1895.4	1881.8	1895.4	1911.7	1911.7	1919.8	1944.3	1963.3	1949.7	1922.6	1930.7
50°	1756.9	1759.6	1756.9	1767.8	1767.8	1797.6	1816.7	1835.7	1849.2	1816.7	1778.6
52.5°	1621.1	1618.4	1621.1	1629.3	1640.2	1653.7	1686.3	1705.3	1727.0	1708.0	1648.3
55°	1485.4	1490.8	1485.4	1488.1	1493.5	1501.7	1550.5	1569.5	1610.3	1585.8	1523.4
57.5°	1349.6	1341.4	1349.6	1355.0	1357.7	1365.9	1406.6	1441.9	1466.4	1469.1	1393.0
60°	1192.1	1181.2	1192.1	1216.5	1222.0	1227.4	1265.4	1298.0	1319.7	1327.9	1249.1
62.5°	1053.6	1034.6	1053.6	1069.9	1080.8	1094.3	1121.5	1170.4	1189.4	1192.1	1080.8
65°	907.0	898.8	907.0	939.6	942.3	958.6	988.4	1023.7	1064.5	1059.0	898.8
67.5°	773.9	773.9	773.9	795.6	811.9	820.1	858.1	874.4	926.0	931.4	749.5
70°	651.7	649.0	651.7	668.0	678.9	697.9	733.2	752.2	792.9	806.5	608.3
72.5°	535.0	532.2	535.0	548.5	559.4	575.7	605.6	627.3	662.6	678.9	472.5
75°	431.8	426.3	431.8	442.6	439.9	461.6	486.1	507.8	540.4	551.2	350.3
77.5°	331.3	331.3	331.3	342.2	342.2	363.9	374.7	401.9	420.9	437.2	258.0
80°	247.1	244.4	247.1	249.8	249.8	260.7	279.7	298.7	315.0	315.0	176.5
82.5°	173.8	168.4	173.8	173.8	173.8	179.2	190.1	195.5	206.4	214.5	111.3
85°	108.6	108.6	108.6	111.3	108.6	114.1	116.8	122.2	122.2	116.8	67.9
87.5°	70.6	67.9	70.6	67.9	67.9	65.2	65.2	65.2	62.5	59.7	38.0
90°	53.4	53.4	53.4	53.4	53.4	71.2	95.0	106.8	91.8	61.8	39.4
92.5°	214.0	171.5	214.0	256.5	267.1	378.6	527.3	601.8	528.3	381.5	271.4
95°	745.9	617.2	745.9	874.7	906.9	1190.8	1569.5	1758.8	1485.5	938.7	528.6
97.5°	1787.2	1542.3	1787.2	2032.2	2093.5	2272.9	2512.3	2631.9	2176.1	1264.4	580.7
100°	2575.1	2283.3	2575.1	2866.9	2939.9	2926.7	2909.3	2900.5	2394.7	1383.0	624.3
102.5°	3350.1	3100.2	3350.1	3600.1	3662.6	3433.8	3128.9	2976.4	2463.4	1437.4	667.8
105°	4338.2	4203.8	4338.2	4472.5	4506.1	3993.4	3309.7	2967.9	2471.2	1477.7	732.5
107.5°	4985.4	5017.9	4985.4	4952.9	4944.7	4229.5	3276.0	2799.3	2361.3	1485.2	828.1
110°	5232.2	5372.1	5232.2	5092.3	5057.2	4257.7	3191.7	2658.6	2263.7	1473.9	881.5





TEST NUMBER: P935555

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5254.2	5469.2	5254.2	5039.3	4985.5	4167.3	3076.3	2530.7	2178.6	1474.3	946.2
115°	5114.9	5413.0	5114.9	4816.8	4742.3	3954.0	2903.0	2377.5	2081.0	1488.0	1043.2
117.5°	4819.4	5150.0	4819.4	4488.9	4406.2	3694.9	2746.3	2272.0	2019.9	1515.6	1137.4
120°	4581.4	4902.5	4581.4	4260.2	4179.9	3529.9	2663.3	2229.9	1999.3	1538.1	1192.3
122.5°	4349.6	4666.4	4349.6	4032.8	3953.6	3368.2	2587.8	2197.5	1988.5	1570.5	1256.9
125°	4018.8	4310.6	4018.8	3727.0	3654.0	3156.8	2493.8	2162.3	1979.6	1614.1	1339.9
127.5°	3721.4	3967.6	3721.4	3475.2	3413.6	2986.7	2417.4	2132.8	1974.4	1657.6	1420.0
130°	3546.1	3773.6	3546.1	3318.7	3261.8	2881.8	2375.0	2121.6	1977.6	1689.5	1473.4
132.5°	3387.1	3590.8	3387.1	3183.5	3132.5	2792.2	2338.6	2111.7	1979.6	1715.3	1517.0
135°	3169.1	3344.8	3169.1	2993.6	2949.7	2664.8	2284.9	2094.9	1977.8	1743.4	1567.6
137.5°	2994.4	3138.1	2994.4	2850.6	2814.7	2573.8	2252.7	2092.1	1989.9	1785.5	1632.3
140°	2874.4	3008.8	2874.4	2740.0	2706.4	2498.3	2220.9	2082.2	1991.9	1811.3	1675.9
142.5°	2775.0	2890.6	2775.0	2659.5	2630.6	2447.8	2204.1	2082.2	1999.1	1832.9	1708.2
145°	2626.0	2713.5	2626.0	2538.5	2516.6	2367.2	2167.9	2068.2	1999.1	1861.0	1757.5
147.5°	2511.6	2584.1	2511.6	2439.1	2421.0	2303.5	2146.6	2068.2	2012.9	1902.3	1819.3
150°	2439.7	2498.4	2439.7	2380.8	2366.2	2266.9	2134.5	2068.2	2020.0	1923.8	1851.7
152.5°	2378.1	2422.5	2378.1	2333.8	2322.6	2237.8	2124.8	2068.2	2024.8	1937.9	1872.8
155°	2307.3	2336.7	2307.3	2277.9	2270.6	2203.2	2113.2	2068.2	2035.1	1968.8	1919.1
157.5°	2251.4	2272.0	2251.4	2230.8	2225.6	2173.1	2103.1	2068.2	2045.4	1999.8	1965.6
160°	2218.0	2229.9	2218.0	2206.1	2203.2	2158.2	2098.2	2068.2	2050.1	2013.8	1986.6
162.5°	2196.1	2207.3	2196.1	2184.9	2182.1	2144.1	2093.5	2068.2	2055.1	2028.8	2009.1
165°	2164.5	2176.5	2164.5	2152.7	2149.7	2122.5	2086.3	2068.2	2062.2	2050.4	2041.4
167.5°	2141.9	2146.9	2141.9	2136.9	2135.6	2117.8	2094.1	2082.2	2077.3	2067.2	2059.7
170°	2135.6	2135.6	2135.6	2135.6	2135.6	2117.8	2094.1	2082.2	2081.9	2081.2	2080.8
172.5°	2118.9	2114.5	2118.9	2123.3	2124.4	2110.4	2091.6	2082.2	2082.2	2082.2	2082.2
175°	2108.9	2108.9	2108.9	2108.9	2108.9	2100.1	2088.2	2082.2	2085.0	2090.7	2094.9
177.5°	2099.9	2094.9	2099.9	2104.9	2106.1	2099.1	2089.7	2085.0	2087.2	2091.6	2094.9
180°	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9



TEST NUMBER: P935555

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4
2.5°	2911.1	2894.8	2894.8	2867.6	2856.8	2848.6	2835.1	2794.3	2783.5	2772.6	2788.9
5°	2935.5	2905.7	2883.9	2835.1	2794.3	2778.0	2726.4	2628.7	2563.5	2514.6	2487.5
7.5°	2941.0	2902.9	2862.2	2786.2	2688.4	2645.0	2487.5	2308.2	2259.3	2215.8	2188.7
10°	2935.5	2892.1	2835.1	2721.0	2490.2	2414.2	2256.6	2139.8	2109.9	2101.8	2109.9
12.5°	2916.5	2875.8	2797.0	2607.0	2283.7	2232.1	2139.8	2071.9	2066.5	2080.1	2153.4
15°	2883.9	2845.9	2753.6	2454.9	2169.7	2131.7	2066.5	2042.0	2071.9	2167.0	2386.9
17.5°	2851.3	2807.9	2693.8	2305.4	2082.8	2055.6	2009.5	2058.3	2226.7	2354.3	2427.7
20°	2807.9	2756.3	2626.0	2196.8	2020.3	1995.9	1974.2	2194.1	2321.7	2367.9	2408.7
22.5°	2756.3	2702.0	2533.6	2120.8	1955.1	1936.1	1949.7	2270.1	2321.7	2354.3	2389.6
25°	2688.4	2642.3	2425.0	2061.1	1903.6	1881.8	1933.4	2262.0	2291.9	2300.0	2370.6
27.5°	2626.0	2566.2	2310.9	2006.7	1841.1	1833.0	1947.0	2226.7	2248.4	2256.6	2332.6
30°	2549.9	2460.3	2183.2	1949.7	1775.9	1773.2	1949.7	2183.2	2177.8	2199.5	2275.6
32.5°	2471.2	2302.7	2039.3	1879.1	1713.5	1710.8	1930.7	2118.1	2112.6	2142.5	2199.5
35°	2397.9	2180.5	1843.8	1797.6	1634.7	1637.4	1884.5	2042.0	2044.8	2071.9	2107.2
37.5°	2321.7	2074.6	1629.3	1708.0	1558.7	1558.7	1822.1	1971.4	1966.0	1974.2	2023.0
40°	2232.1	1909.0	1439.2	1591.3	1488.1	1479.9	1746.1	1895.4	1876.4	1873.7	1941.6
42.5°	2137.1	1727.0	1298.0	1436.5	1406.6	1395.8	1653.7	1803.1	1767.8	1775.9	1862.8
45°	2033.9	1678.2	1189.4	1213.8	1322.4	1314.3	1553.3	1697.2	1672.7	1694.5	1784.1
47.5°	1930.7	1580.4	1154.1	1007.4	1232.8	1230.1	1441.9	1594.0	1580.4	1602.1	1697.2
50°	1789.5	1471.8	1151.4	863.5	1132.4	1143.2	1308.9	1493.5	1493.5	1512.5	1613.0
52.5°	1607.6	1338.7	1045.5	782.1	1015.6	1048.2	1192.1	1406.6	1412.1	1431.1	1520.7
55°	1441.9	1200.2	969.4	719.6	877.1	947.7	1078.0	1317.0	1327.9	1346.9	1428.3
57.5°	1289.9	999.3	953.1	646.3	749.5	817.4	977.6	1230.1	1235.5	1251.8	1330.6
60°	1126.9	722.3	874.4	567.5	638.1	689.7	885.2	1126.9	1145.9	1156.8	1224.7
62.5°	942.3	524.1	792.9	513.2	583.8	594.7	809.2	1029.2	1053.6	1061.8	1102.5
65°	670.7	439.9	673.4	467.1	526.8	529.5	727.7	928.7	950.4	964.0	993.9
67.5°	453.5	358.4	513.2	423.6	483.4	486.1	649.0	811.9	841.8	852.7	871.7
70°	315.0	239.0	380.2	377.5	434.5	439.9	564.8	706.0	733.2	741.3	752.2
72.5°	230.8	192.8	315.0	339.4	382.9	388.3	477.9	586.5	613.7	621.8	627.3
75°	176.5	203.7	255.3	296.0	325.9	328.6	391.0	477.9	496.9	502.4	505.1
77.5°	141.2	190.1	187.4	239.0	266.1	260.7	306.8	369.3	385.6	385.6	385.6
80°	105.9	149.4	141.2	171.1	195.5	190.1	220.0	263.4	268.8	274.3	271.5
82.5°	78.7	95.0	95.0	108.6	130.3	124.9	146.6	171.1	171.1	171.1	176.5
85°	48.9	54.3	43.4	57.0	73.3	70.6	81.5	92.3	95.0	95.0	89.6
87.5°	29.9	24.4	13.6	21.7	32.6	32.6	38.0	40.7	38.0	38.0	38.0
90°	36.6	25.3	14.0	25.3	36.6	39.4	61.8	91.8	106.8	95.0	71.2
92.5°	247.5	151.8	56.2	151.8	247.5	271.4	381.5	528.3	601.8	527.3	378.6
95°	484.9	309.9	135.0	309.9	484.9	528.6	938.7	1485.5	1758.8	1569.5	1190.8
97.5°	542.1	387.7	233.4	387.7	542.1	580.7	1264.4	2176.1	2631.9	2512.3	2272.9
100°	589.3	449.3	309.3	449.3	589.3	624.3	1383.0	2394.7	2900.5	2909.3	2926.7
102.5°	635.2	504.6	374.0	504.6	635.2	667.8	1437.4	2463.4	2976.4	3128.9	3433.8
105°	704.8	594.2	483.6	594.2	704.8	732.5	1477.7	2471.2	2967.9	3309.7	3993.4
107.5°	802.3	699.2	596.1	699.2	802.3	828.1	1485.2	2361.3	2799.3	3276.0	4229.5
110°	858.3	765.1	672.1	765.1	858.3	881.5	1473.9	2263.7	2658.6	3191.7	4257.7



TEST NUMBER: P935555

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	924.0	835.3	746.6	835.3	924.0	946.2	1474.3	2178.6	2530.7	3076.3	4167.3
115°	1022.7	940.8	859.0	940.8	1022.7	1043.2	1488.0	2081.0	2377.5	2903.0	3954.0
117.5°	1118.9	1044.5	970.2	1044.5	1118.9	1137.4	1515.6	2019.9	2272.0	2746.3	3694.9
120°	1174.8	1104.7	1034.8	1104.7	1174.8	1192.3	1538.1	1999.3	2229.9	2663.3	3529.9
122.5°	1239.3	1168.7	1098.1	1168.7	1239.3	1256.9	1570.5	1988.5	2197.5	2587.8	3368.2
125°	1323.8	1259.4	1195.1	1259.4	1323.8	1339.9	1614.1	1979.6	2162.3	2493.8	3156.8
127.5°	1403.8	1338.8	1273.8	1338.8	1403.8	1420.0	1657.6	1974.4	2132.8	2417.4	2986.7
130°	1456.0	1386.0	1316.0	1386.0	1456.0	1473.4	1689.5	1977.6	2121.6	2375.0	2881.8
132.5°	1499.6	1429.5	1359.6	1429.5	1499.6	1517.0	1715.3	1979.6	2111.7	2338.6	2792.2
135°	1551.7	1488.0	1424.3	1488.0	1551.7	1567.6	1743.4	1977.8	2094.9	2284.9	2664.8
137.5°	1616.5	1553.4	1490.3	1553.4	1616.5	1632.3	1785.5	1989.9	2092.1	2252.7	2573.8
140°	1661.3	1603.2	1545.1	1603.2	1661.3	1675.9	1811.3	1991.9	2082.2	2220.9	2498.3
142.5°	1694.8	1641.1	1587.3	1641.1	1694.8	1708.2	1832.9	1999.1	2082.2	2204.1	2447.8
145°	1745.8	1698.9	1652.0	1698.9	1745.8	1757.5	1861.0	1999.1	2068.2	2167.9	2367.2
147.5°	1807.9	1762.3	1716.6	1762.3	1807.9	1819.3	1902.3	2012.9	2068.2	2146.6	2303.5
150°	1841.4	1800.1	1758.8	1800.1	1841.4	1851.7	1923.8	2020.0	2068.2	2134.5	2266.9
152.5°	1865.0	1833.7	1802.4	1833.7	1865.0	1872.8	1937.9	2024.8	2068.2	2124.8	2237.8
155°	1913.3	1890.2	1867.1	1890.2	1913.3	1919.1	1968.8	2035.1	2068.2	2113.2	2203.2
157.5°	1959.9	1937.4	1915.0	1937.4	1959.9	1965.6	1999.8	2045.4	2068.2	2103.1	2173.1
160°	1982.3	1964.7	1947.3	1964.7	1982.3	1986.6	2013.8	2050.1	2068.2	2098.2	2158.2
162.5°	2005.8	1992.7	1979.6	1992.7	2005.8	2009.1	2028.8	2055.1	2068.2	2093.5	2144.1
165°	2038.4	2026.6	2014.7	2026.6	2038.4	2041.4	2050.4	2062.2	2068.2	2086.3	2122.5
167.5°	2058.3	2052.7	2047.1	2052.7	2058.3	2059.7	2067.2	2077.3	2082.2	2094.1	2117.8
170°	2079.4	2073.8	2068.2	2073.8	2079.4	2080.8	2081.2	2081.9	2082.2	2094.1	2117.8
172.5°	2082.0	2080.7	2079.4	2080.7	2082.0	2082.2	2082.2	2082.2	2082.2	2091.6	2110.4
175°	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2090.7	2085.0	2082.2	2088.2	2100.1
177.5°	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2091.6	2087.2	2085.0	2089.7	2099.1
180°	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9



TEST NUMBER: P935555  
 CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4
2.5°	2769.9	2761.7	2772.6	2742.7	2772.6	2761.7	2769.9	2788.9	2772.6	2783.5	2794.3
5°	2430.4	2416.9	2373.3	2338.0	2373.3	2416.9	2430.4	2487.5	2514.6	2563.5	2628.7
7.5°	2172.4	2161.5	2150.7	2128.9	2150.7	2161.5	2172.4	2188.7	2215.8	2259.3	2308.2
10°	2115.4	2118.1	2134.4	2131.7	2134.4	2118.1	2115.4	2109.9	2101.8	2109.9	2139.8
12.5°	2262.0	2286.4	2376.0	2370.6	2376.0	2286.4	2262.0	2153.4	2080.1	2066.5	2071.9
15°	2430.4	2438.6	2457.6	2460.3	2457.6	2438.6	2430.4	2386.9	2167.0	2071.9	2042.0
17.5°	2446.7	2449.5	2463.0	2463.0	2463.0	2449.5	2446.7	2427.7	2354.3	2226.7	2058.3
20°	2433.2	2438.6	2465.7	2471.2	2465.7	2438.6	2433.2	2408.7	2367.9	2321.7	2194.1
22.5°	2427.7	2438.6	2460.3	2457.6	2460.3	2438.6	2427.7	2389.6	2354.3	2321.7	2270.1
25°	2400.6	2400.6	2403.3	2406.0	2403.3	2400.6	2400.6	2370.6	2300.0	2291.9	2262.0
27.5°	2343.5	2348.9	2365.2	2362.5	2365.2	2348.9	2343.5	2332.6	2256.6	2248.4	2226.7
30°	2291.9	2286.4	2272.9	2262.0	2272.9	2286.4	2291.9	2275.6	2199.5	2177.8	2183.2
32.5°	2205.0	2191.4	2177.8	2169.7	2177.8	2191.4	2205.0	2199.5	2142.5	2112.6	2118.1
35°	2101.8	2104.5	2101.8	2093.6	2101.8	2104.5	2101.8	2107.2	2071.9	2044.8	2042.0
37.5°	2028.5	2033.9	2031.2	2020.3	2031.2	2033.9	2028.5	2023.0	1974.2	1966.0	1971.4
40°	1952.4	1955.1	1952.4	1944.3	1952.4	1955.1	1952.4	1941.6	1873.7	1876.4	1895.4
42.5°	1879.1	1876.4	1868.3	1862.8	1868.3	1876.4	1879.1	1862.8	1775.9	1767.8	1803.1
45°	1794.9	1797.6	1781.4	1773.2	1781.4	1797.6	1794.9	1784.1	1694.5	1672.7	1697.2
47.5°	1710.8	1710.8	1697.2	1689.0	1697.2	1710.8	1710.8	1697.2	1602.1	1580.4	1594.0
50°	1621.1	1618.4	1599.4	1596.7	1599.4	1618.4	1621.1	1613.0	1512.5	1493.5	1493.5
52.5°	1518.0	1518.0	1520.7	1526.1	1520.7	1518.0	1518.0	1520.7	1431.1	1412.1	1406.6
55°	1428.3	1431.1	1450.1	1455.5	1450.1	1431.1	1428.3	1428.3	1346.9	1327.9	1317.0
57.5°	1336.0	1336.0	1349.6	1349.6	1349.6	1336.0	1336.0	1330.6	1251.8	1235.5	1230.1
60°	1230.1	1235.5	1246.4	1243.7	1246.4	1235.5	1230.1	1224.7	1156.8	1145.9	1126.9
62.5°	1118.8	1124.2	1126.9	1121.5	1126.9	1124.2	1118.8	1102.5	1061.8	1053.6	1029.2
65°	1002.0	1007.4	1010.2	1004.7	1010.2	1007.4	1002.0	993.9	964.0	950.4	928.7
67.5°	882.5	879.8	877.1	888.0	877.1	879.8	882.5	871.7	852.7	841.8	811.9
70°	760.3	760.3	757.6	763.1	757.6	760.3	760.3	752.2	741.3	733.2	706.0
72.5°	630.0	627.3	638.1	630.0	638.1	627.3	630.0	627.3	621.8	613.7	586.5
75°	502.4	507.8	502.4	510.5	502.4	507.8	502.4	505.1	502.4	496.9	477.9
77.5°	382.9	388.3	382.9	382.9	382.9	388.3	382.9	385.6	385.6	385.6	369.3
80°	271.5	268.8	268.8	266.1	268.8	268.8	271.5	271.5	274.3	268.8	263.4
82.5°	173.8	171.1	171.1	176.5	171.1	171.1	173.8	176.5	171.1	171.1	171.1
85°	95.0	97.8	92.3	92.3	92.3	97.8	95.0	89.6	95.0	95.0	92.3
87.5°	35.3	32.6	32.6	32.6	32.6	32.6	35.3	38.0	38.0	38.0	40.7
90°	53.4	53.4	53.4	53.4	53.4	53.4	53.4	71.2	95.0	106.8	91.8
92.5°	267.1	256.5	214.0	171.5	214.0	256.5	267.1	378.6	527.3	601.8	528.3
95°	906.9	874.7	745.9	617.2	745.9	874.7	906.9	1190.8	1569.5	1758.8	1485.5
97.5°	2093.5	2032.2	1787.2	1542.3	1787.2	2032.2	2093.5	2272.9	2512.3	2631.9	2176.1
100°	2939.9	2866.9	2575.1	2283.3	2575.1	2866.9	2939.9	2926.7	2909.3	2900.5	2394.7
102.5°	3662.6	3600.1	3350.1	3100.2	3350.1	3600.1	3662.6	3433.8	3128.9	2976.4	2463.4
105°	4506.1	4472.5	4338.2	4203.8	4338.2	4472.5	4506.1	3993.4	3309.7	2967.9	2471.2
107.5°	4944.7	4952.9	4985.4	5017.9	4985.4	4952.9	4944.7	4229.5	3276.0	2799.3	2361.3
110°	5057.2	5092.3	5232.2	5372.1	5232.2	5092.3	5057.2	4257.7	3191.7	2658.6	2263.7



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4985.5	5039.3	5254.2	5469.2	5254.2	5039.3	4985.5	4167.3	3076.3	2530.7	2178.6
115°	4742.3	4816.8	5114.9	5413.0	5114.9	4816.8	4742.3	3954.0	2903.0	2377.5	2081.0
117.5°	4406.2	4488.9	4819.4	5150.0	4819.4	4488.9	4406.2	3694.9	2746.3	2272.0	2019.9
120°	4179.9	4260.2	4581.4	4902.5	4581.4	4260.2	4179.9	3529.9	2663.3	2229.9	1999.3
122.5°	3953.6	4032.8	4349.6	4666.4	4349.6	4032.8	3953.6	3368.2	2587.8	2197.5	1988.5
125°	3654.0	3727.0	4018.8	4310.6	4018.8	3727.0	3654.0	3156.8	2493.8	2162.3	1979.6
127.5°	3413.6	3475.2	3721.4	3967.6	3721.4	3475.2	3413.6	2986.7	2417.4	2132.8	1974.4
130°	3261.8	3318.7	3546.1	3773.6	3546.1	3318.7	3261.8	2881.8	2375.0	2121.6	1977.6
132.5°	3132.5	3183.5	3387.1	3590.8	3387.1	3183.5	3132.5	2792.2	2338.6	2111.7	1979.6
135°	2949.7	2993.6	3169.1	3344.8	3169.1	2993.6	2949.7	2664.8	2284.9	2094.9	1977.8
137.5°	2814.7	2850.6	2994.4	3138.1	2994.4	2850.6	2814.7	2573.8	2252.7	2092.1	1989.9
140°	2706.4	2740.0	2874.4	3008.8	2874.4	2740.0	2706.4	2498.3	2220.9	2082.2	1991.9
142.5°	2630.6	2659.5	2775.0	2890.6	2775.0	2659.5	2630.6	2447.8	2204.1	2082.2	1999.1
145°	2516.6	2538.5	2626.0	2713.5	2626.0	2538.5	2516.6	2367.2	2167.9	2068.2	1999.1
147.5°	2421.0	2439.1	2511.6	2584.1	2511.6	2439.1	2421.0	2303.5	2146.6	2068.2	2012.9
150°	2366.2	2380.8	2439.7	2498.4	2439.7	2380.8	2366.2	2266.9	2134.5	2068.2	2020.0
152.5°	2322.6	2333.8	2378.1	2422.5	2378.1	2333.8	2322.6	2237.8	2124.8	2068.2	2024.8
155°	2270.6	2277.9	2307.3	2336.7	2307.3	2277.9	2270.6	2203.2	2113.2	2068.2	2035.1
157.5°	2225.6	2230.8	2251.4	2272.0	2251.4	2230.8	2225.6	2173.1	2103.1	2068.2	2045.4
160°	2203.2	2206.1	2218.0	2229.9	2218.0	2206.1	2203.2	2158.2	2098.2	2068.2	2050.1
162.5°	2182.1	2184.9	2196.1	2207.3	2196.1	2184.9	2182.1	2144.1	2093.5	2068.2	2055.1
165°	2149.7	2152.7	2164.5	2176.5	2164.5	2152.7	2149.7	2122.5	2086.3	2068.2	2062.2
167.5°	2135.6	2136.9	2141.9	2146.9	2141.9	2136.9	2135.6	2117.8	2094.1	2082.2	2077.3
170°	2135.6	2135.6	2135.6	2135.6	2135.6	2135.6	2135.6	2117.8	2094.1	2082.2	2081.9
172.5°	2124.4	2123.3	2118.9	2114.5	2118.9	2123.3	2124.4	2110.4	2091.6	2082.2	2082.2
175°	2108.9	2108.9	2108.9	2108.9	2108.9	2108.9	2108.9	2100.1	2088.2	2082.2	2085.0
177.5°	2106.1	2104.9	2099.9	2094.9	2099.9	2104.9	2106.1	2099.1	2089.7	2085.0	2087.2
180°	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2870.4	2870.4	2870.4	2870.4	2870.4
2.5°	2835.1	2848.6	2856.8	2867.6	2894.8
5°	2726.4	2778.0	2794.3	2835.1	2883.9
7.5°	2487.5	2645.0	2688.4	2786.2	2862.2
10°	2256.6	2414.2	2490.2	2721.0	2835.1
12.5°	2139.8	2232.1	2283.7	2607.0	2797.0
15°	2066.5	2131.7	2169.7	2454.9	2753.6
17.5°	2009.5	2055.6	2082.8	2305.4	2693.8
20°	1974.2	1995.9	2020.3	2196.8	2626.0
22.5°	1949.7	1936.1	1955.1	2120.8	2533.6
25°	1933.4	1881.8	1903.6	2061.1	2425.0
27.5°	1947.0	1833.0	1841.1	2006.7	2310.9
30°	1949.7	1773.2	1775.9	1949.7	2183.2
32.5°	1930.7	1710.8	1713.5	1879.1	2039.3
35°	1884.5	1637.4	1634.7	1797.6	1843.8
37.5°	1822.1	1558.7	1558.7	1708.0	1629.3
40°	1746.1	1479.9	1488.1	1591.3	1439.2
42.5°	1653.7	1395.8	1406.6	1436.5	1298.0
45°	1553.3	1314.3	1322.4	1213.8	1189.4
47.5°	1441.9	1230.1	1232.8	1007.4	1154.1
50°	1308.9	1143.2	1132.4	863.5	1151.4
52.5°	1192.1	1048.2	1015.6	782.1	1045.5
55°	1078.0	947.7	877.1	719.6	969.4
57.5°	977.6	817.4	749.5	646.3	953.1
60°	885.2	689.7	638.1	567.5	874.4
62.5°	809.2	594.7	583.8	513.2	792.9
65°	727.7	529.5	526.8	467.1	673.4
67.5°	649.0	486.1	483.4	423.6	513.2
70°	564.8	439.9	434.5	377.5	380.2
72.5°	477.9	388.3	382.9	339.4	315.0
75°	391.0	328.6	325.9	296.0	255.3
77.5°	306.8	260.7	266.1	239.0	187.4
80°	220.0	190.1	195.5	171.1	141.2
82.5°	146.6	124.9	130.3	108.6	95.0
85°	81.5	70.6	73.3	57.0	43.4
87.5°	38.0	32.6	32.6	21.7	13.6
90°	61.8	39.4	36.6	25.3	14.0
92.5°	381.5	271.4	247.5	151.8	56.2
95°	938.7	528.6	484.9	309.9	135.0
97.5°	1264.4	580.7	542.1	387.7	233.4
100°	1383.0	624.3	589.3	449.3	309.3
102.5°	1437.4	667.8	635.2	504.6	374.0
105°	1477.7	732.5	704.8	594.2	483.6
107.5°	1485.2	828.1	802.3	699.2	596.1
110°	1473.9	881.5	858.3	765.1	672.1



TEST NUMBER: P935555  
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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1474.3	946.2	924.0	835.3	746.6
115°	1488.0	1043.2	1022.7	940.8	859.0
117.5°	1515.6	1137.4	1118.9	1044.5	970.2
120°	1538.1	1192.3	1174.8	1104.7	1034.8
122.5°	1570.5	1256.9	1239.3	1168.7	1098.1
125°	1614.1	1339.9	1323.8	1259.4	1195.1
127.5°	1657.6	1420.0	1403.8	1338.8	1273.8
130°	1689.5	1473.4	1456.0	1386.0	1316.0
132.5°	1715.3	1517.0	1499.6	1429.5	1359.6
135°	1743.4	1567.6	1551.7	1488.0	1424.3
137.5°	1785.5	1632.3	1616.5	1553.4	1490.3
140°	1811.3	1675.9	1661.3	1603.2	1545.1
142.5°	1832.9	1708.2	1694.8	1641.1	1587.3
145°	1861.0	1757.5	1745.8	1698.9	1652.0
147.5°	1902.3	1819.3	1807.9	1762.3	1716.6
150°	1923.8	1851.7	1841.4	1800.1	1758.8
152.5°	1937.9	1872.8	1865.0	1833.7	1802.4
155°	1968.8	1919.1	1913.3	1890.2	1867.1
157.5°	1999.8	1965.6	1959.9	1937.4	1915.0
160°	2013.8	1986.6	1982.3	1964.7	1947.3
162.5°	2028.8	2009.1	2005.8	1992.7	1979.6
165°	2050.4	2041.4	2038.4	2026.6	2014.7
167.5°	2067.2	2059.7	2058.3	2052.7	2047.1
170°	2081.2	2080.8	2079.4	2073.8	2068.2
172.5°	2082.2	2082.2	2082.0	2080.7	2079.4
175°	2090.7	2094.9	2094.9	2094.9	2094.9
177.5°	2091.6	2094.9	2094.9	2094.9	2094.9
180°	2094.9	2094.9	2094.9	2094.9	2094.9



TEST NUMBER: P935555  
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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	10.88	11.62	11.95	12.70	14.16	13.73	14.47	14.80	15.55	17.01
	3H	11.34	12.01	12.43	13.09	14.58	15.07	15.74	16.15	16.82	18.30
	4H	11.53	12.16	12.62	13.25	14.74	15.51	16.15	16.61	17.23	18.72
	6H	11.64	12.22	12.74	13.31	14.81	15.80	16.38	16.90	17.47	18.97
	8H	11.64	12.19	12.75	13.30	14.79	15.87	16.43	16.98	17.53	19.02
	12H	11.61	12.13	12.72	13.23	14.75	15.91	16.44	17.02	17.53	19.05
4H	2H	11.90	12.53	13.00	13.62	15.10	14.12	14.75	15.22	15.84	17.33
	3H	12.92	13.44	14.02	14.55	16.06	15.62	16.15	16.73	17.26	18.76
	4H	13.19	13.67	14.30	14.77	16.29	16.15	16.63	17.26	17.73	19.26
	6H	13.30	13.72	14.42	14.84	16.36	16.51	16.93	17.63	18.05	19.57
	8H	13.31	13.69	14.43	14.81	16.34	16.62	17.01	17.74	18.12	19.66
	12H	13.27	13.62	14.40	14.75	16.28	16.68	17.03	17.81	18.15	19.69
8H	4H	13.63	14.02	14.75	15.14	16.67	16.26	16.65	17.38	17.77	19.30
	6H	13.89	14.21	15.03	15.37	16.90	16.70	17.02	17.84	18.18	19.71
	8H	13.93	14.21	15.08	15.35	16.90	16.86	17.14	18.00	18.27	19.82
	12H	13.91	14.16	15.06	15.29	16.88	16.95	17.20	18.10	18.33	19.92
12H	4H	13.64	13.99	14.77	15.11	16.65	16.22	16.57	17.36	17.70	19.24
	6H	13.95	14.23	15.10	15.37	16.92	16.70	16.98	17.84	18.12	19.66
	8H	14.01	14.26	15.16	15.39	16.98	16.86	17.10	18.01	18.24	19.82