

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: P933973

Luminaire Tested: SQ4-FA-025U-075D-940-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

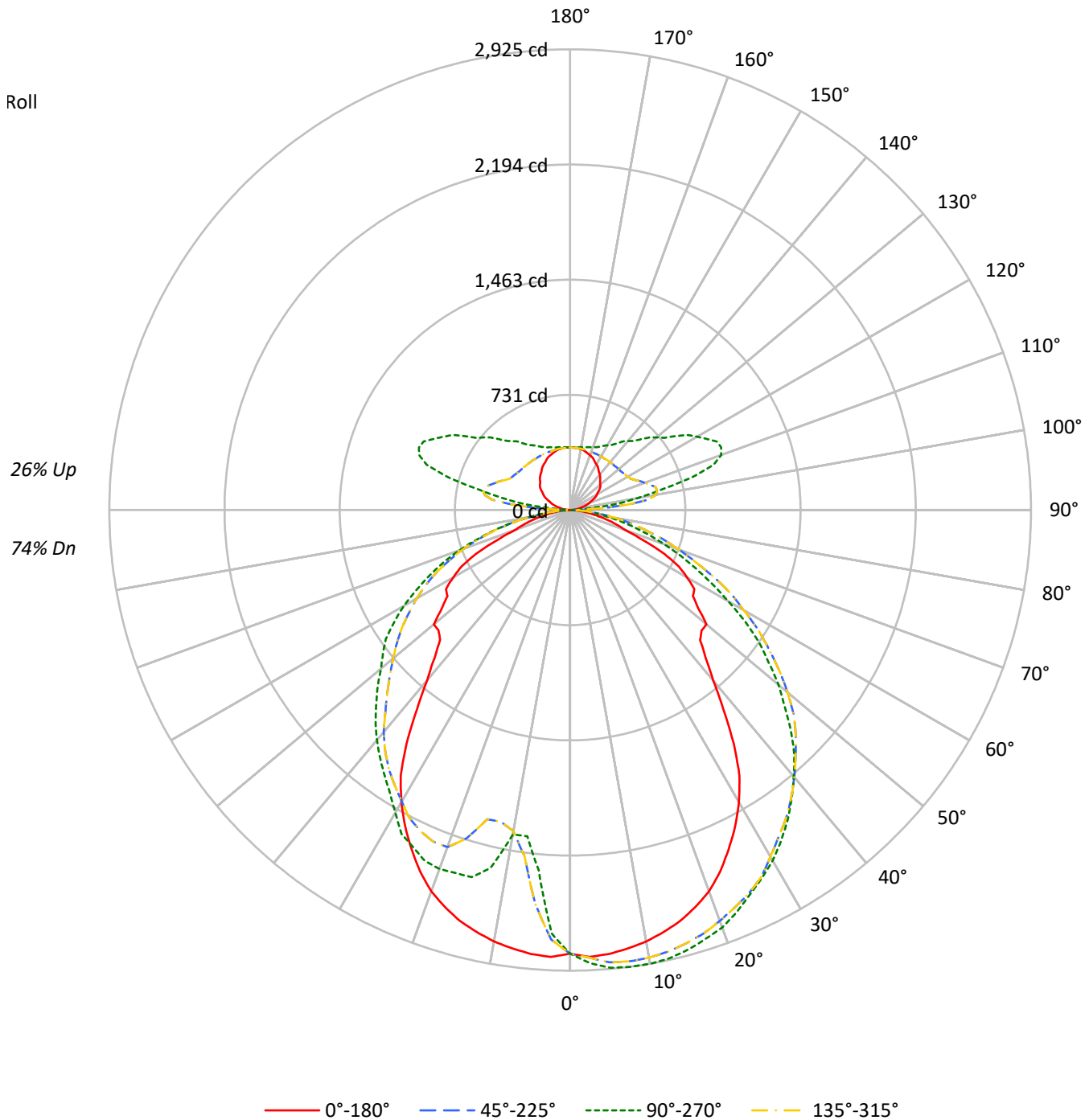
Test Method: LM-79-2019  
Report Number: P933973  
REPORT IS A COMBINATION OF REPORTS P933677 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-025U-075D-940-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9879.8 lumens  
Efficiency: N/A  
Efficacy: 109.8 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-Direct  
  
Input Watts (W): 90  
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





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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	113	113	113	113	107	107	107	107	97	97	97	87	87	87	78	78	78	74				74
1	103	99	95	91	98	94	90	87	85	82	80	77	75	73	69	68	66	62				62
2	94	86	80	75	89	82	77	72	75	70	66	68	64	61	61	58	56	52				52
3	86	76	68	62	81	72	66	60	66	60	56	60	55	52	54	51	48	44				44
4	79	67	59	53	74	64	57	51	59	52	48	53	48	44	48	44	41	38				38
5	72	60	52	45	68	57	50	44	52	46	41	48	43	38	43	39	36	33				33
6	67	54	46	39	63	52	44	38	47	41	36	43	38	34	39	35	31	29				29
7	62	49	41	35	58	47	39	34	43	36	32	39	34	30	36	31	28	26				26
8	57	44	36	31	54	43	35	30	39	33	28	36	31	27	33	28	25	23				23
9	53	41	33	28	51	39	32	27	36	30	25	33	28	24	30	26	23	21				21
10	50	37	30	25	48	36	29	24	33	27	23	31	25	22	28	24	20	19				19

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

	0°	90°	180°	270°
0°	8710	8710	8710	8710
5°	8778	8792	8778	6913
10°	8723	8661	8723	6192
15°	8631	8473	8631	7075
20°	8454	8251	8454	7090
25°	8088	7927	8088	6940
30°	7613	7657	7613	6610
35°	6791	7317	6791	6247
40°	5661	6916	5661	5973
45°	5062	6447	5062	5658
50°	5382	5887	5382	5342
55°	5068	5284	5068	5159
60°	5231	4488	5231	4725
65°	4751	3710	4751	4147
70°	3298	2957	3298	3476
75°	2902	2185	2902	2617
80°	2356	1445	2356	1574
85°	1380	766	1380	651

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 7753 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	254.2	2.6
10°-20°	721.7	7.3
20°-30°	1115.6	11.3
30°-40°	1331.8	13.5
40°-50°	1339.6	13.6
50°-60°	1165.6	11.8
60°-70°	826.4	8.4
70°-80°	437.2	4.4
80°-90°	110.4	1.1
90°-100°	193.8	2.0
100°-110°	509.5	5.2
110°-120°	528.3	5.3
120°-130°	423.7	4.3
130°-140°	332.5	3.4
140°-150°	255.2	2.6
150°-160°	183.8	1.9
160°-170°	112.5	1.1
170°-180°	38.0	0.4
0°-30°	2091.5	21.2
0°-40°	3423.3	34.6
0°-60°	5928.5	60.0
0°-90°	7302.6	73.9
90°-120°	1231.6	12.5
90°-150°	2243.0	22.7
90°-180°	2577.0	26.1
0°-180°	9879.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2816	2816	2816	2816	2816	
5°	2829	2917	2829	2294	2829	268
15°	2701	2890	2701	2414	2701	760
25°	2379	2696	2379	2360	2379	1092
35°	1809	2406	1809	2054	1809	1119
45°	1167	1982	1167	1740	1167	935
55°	951	1462	951	1428	951	874
65°	661	882	661	986	661	631
75°	250	418	250	501	250	263
85°	43	107	43	91	43	58
90°	3	10	3	10	3	4
95°	26	117	26	117	26	28
105°	92	798	92	798	92	97
115°	163	1027	163	1027	163	161
125°	227	818	227	818	227	201
135°	270	635	270	635	270	209
145°	314	515	314	515	314	196
155°	354	444	354	444	354	163
165°	382	413	382	413	382	108
175°	398	400	398	400	398	38
180°	398	398	398	398	398	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9
2.5°	2839.9	2839.9	2855.9	2861.2	2861.2	2853.2	2845.2	2853.2	2877.2	2885.2	2882.5
5°	2829.3	2850.6	2879.9	2885.2	2890.5	2887.9	2882.5	2887.9	2914.5	2919.8	2922.5
7.5°	2807.9	2847.9	2885.2	2893.2	2901.2	2893.2	2890.5	2895.9	2922.5	2927.8	2927.8
10°	2781.3	2837.2	2879.9	2885.2	2893.2	2885.2	2885.2	2895.9	2922.5	2927.8	2930.5
12.5°	2744.0	2821.3	2861.2	2866.6	2877.2	2874.5	2871.9	2882.5	2909.2	2914.5	2914.5
15°	2701.4	2792.0	2829.3	2834.6	2853.2	2847.9	2847.9	2858.6	2887.9	2895.9	2893.2
17.5°	2642.8	2754.7	2797.3	2805.3	2818.6	2815.9	2818.6	2829.3	2855.9	2861.2	2863.9
20°	2576.2	2704.0	2754.7	2762.7	2776.0	2776.0	2776.0	2789.3	2815.9	2826.6	2826.6
22.5°	2485.6	2650.8	2704.0	2709.4	2725.4	2725.4	2730.7	2749.3	2773.3	2776.0	2776.0
25°	2379.0	2592.2	2637.4	2653.4	2669.4	2677.4	2685.4	2696.1	2704.0	2701.4	2704.0
27.5°	2267.1	2517.6	2576.2	2586.8	2608.1	2616.1	2626.8	2629.5	2632.1	2640.1	2634.8
30°	2141.9	2413.7	2501.6	2512.2	2546.9	2552.2	2541.5	2546.9	2560.2	2565.5	2570.8
32.5°	2000.7	2259.1	2424.3	2448.3	2480.3	2464.3	2461.6	2469.6	2490.9	2490.9	2496.3
35°	1808.9	2139.2	2352.4	2373.7	2397.7	2379.0	2389.7	2392.4	2405.7	2413.7	2411.0
37.5°	1598.4	2035.3	2277.7	2293.7	2312.4	2288.4	2304.4	2312.4	2323.0	2317.7	2317.7
40°	1411.9	1872.8	2189.8	2200.5	2216.4	2197.8	2213.8	2219.1	2224.4	2219.1	2216.4
42.5°	1273.4	1694.3	2096.6	2109.9	2099.2	2112.6	2117.9	2128.5	2120.5	2109.9	2109.9
45°	1166.8	1646.4	1995.3	2011.3	1995.3	2016.6	2024.6	2024.6	2000.7	1995.3	1992.7
47.5°	1132.2	1550.4	1894.1	1894.1	1886.1	1912.8	1926.1	1907.4	1883.4	1875.5	1875.5
50°	1129.5	1443.9	1755.6	1744.9	1782.2	1814.2	1800.9	1782.2	1763.6	1734.3	1734.3
52.5°	1025.6	1313.4	1577.1	1617.0	1675.7	1694.3	1673.0	1654.3	1622.4	1609.1	1598.4
55°	951.0	1177.5	1414.6	1494.5	1555.8	1579.8	1539.8	1521.1	1473.2	1465.2	1459.9
57.5°	935.1	980.4	1265.4	1366.6	1441.2	1438.6	1414.6	1380.0	1340.0	1332.0	1329.3
60°	857.8	708.6	1105.6	1225.4	1302.7	1294.7	1273.4	1241.4	1204.1	1198.8	1193.5
62.5°	777.9	514.2	924.4	1060.3	1169.5	1166.8	1148.2	1100.2	1073.6	1060.3	1049.6
65°	660.7	431.6	658.0	881.8	1039.0	1044.3	1004.3	969.7	940.4	924.4	921.7
67.5°	503.5	351.6	444.9	735.3	913.8	908.4	857.8	841.8	804.5	796.5	780.6
70°	373.0	234.4	309.0	596.7	791.2	777.9	737.9	719.3	684.6	666.0	655.3
72.5°	309.0	189.1	226.4	463.5	666.0	650.0	615.4	594.1	564.8	548.8	538.1
75°	250.4	199.8	173.2	343.7	540.8	530.1	498.2	476.9	452.9	431.6	434.2
77.5°	183.8	186.5	138.5	253.1	428.9	412.9	394.3	367.6	357.0	335.7	335.7
80°	138.5	146.5	103.9	173.2	309.0	309.0	293.0	274.4	255.7	245.1	245.1
82.5°	93.2	93.2	77.3	109.2	210.5	202.5	191.8	186.5	175.8	170.5	170.5
85°	42.6	53.3	48.0	66.6	114.6	119.9	119.9	114.6	111.9	106.6	109.2
87.5°	13.3	24.0	29.3	37.3	58.6	61.3	63.9	63.9	63.9	66.6	66.6
90°	2.7	4.8	6.9	7.5	11.7	17.4	20.2	18.0	13.5	10.1	10.1
92.5°	10.7	28.8	47.0	51.5	72.4	100.3	114.2	100.1	71.8	50.7	48.7
95°	25.6	58.8	92.0	100.3	178.1	281.9	333.8	297.8	226.0	172.1	166.0
97.5°	44.3	73.6	102.9	110.2	239.9	413.0	499.5	476.8	431.4	397.3	385.7
100°	58.7	85.2	111.8	118.5	262.5	454.5	550.5	552.2	555.4	557.9	544.1
102.5°	71.0	95.7	120.5	126.7	272.8	467.5	564.9	593.8	651.6	695.0	683.1
105°	91.8	112.8	133.7	139.0	280.4	469.0	563.3	628.1	757.8	855.1	848.8
107.5°	113.1	132.7	152.3	157.2	281.9	448.1	531.2	621.7	802.7	938.4	939.9
110°	127.5	145.2	162.9	167.3	279.7	429.6	504.6	605.7	808.0	959.8	966.4



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	141.7	158.5	175.4	179.6	279.8	413.5	480.3	583.9	790.9	946.2	956.4
115°	163.0	178.6	194.1	198.0	282.4	394.9	451.2	550.9	750.4	900.0	914.1
117.5°	184.1	198.2	212.3	215.9	287.6	383.3	431.2	521.3	701.3	836.2	851.9
120°	196.3	209.7	223.0	226.3	291.9	379.4	423.1	505.4	669.9	793.3	808.5
122.5°	208.4	221.8	235.1	238.5	298.0	377.3	417.0	491.1	639.2	750.3	765.3
125°	226.8	239.0	251.3	254.3	306.4	375.7	410.3	473.2	599.0	693.4	707.3
127.5°	241.7	254.1	266.4	269.5	314.6	374.7	404.8	458.7	566.8	647.8	659.5
130°	249.7	263.0	276.3	279.6	320.7	375.3	402.6	450.7	546.9	619.0	629.9
132.5°	258.1	271.3	284.6	287.9	325.5	375.7	400.8	443.8	530.0	594.5	604.2
135°	270.3	282.4	294.5	297.5	330.9	375.4	397.6	433.6	505.7	559.8	568.1
137.5°	282.8	294.8	306.7	309.7	338.9	377.7	397.0	427.5	488.4	534.1	541.0
140°	293.2	304.2	315.3	318.1	343.7	378.0	395.2	421.4	474.1	513.6	520.0
142.5°	301.2	311.4	321.6	324.2	347.8	379.4	395.2	418.2	464.5	499.2	504.7
145°	313.6	322.4	331.3	333.5	353.2	379.4	392.5	411.4	449.2	477.6	481.7
147.5°	325.8	334.4	343.1	345.3	361.0	382.0	392.5	407.4	437.2	459.5	462.9
150°	333.8	341.6	349.4	351.4	365.1	383.3	392.5	405.1	430.2	449.1	451.8
152.5°	342.1	348.0	353.9	355.4	367.7	384.2	392.5	403.2	424.7	440.8	442.9
155°	354.3	358.7	363.1	364.2	373.6	386.2	392.5	401.0	418.2	430.9	432.4
157.5°	363.4	367.6	372.0	373.0	379.5	388.1	392.5	399.2	412.4	422.3	423.3
160°	369.6	372.9	376.2	377.0	382.2	389.0	392.5	398.2	409.5	418.1	418.6
162.5°	375.7	378.2	380.7	381.3	385.0	390.0	392.5	397.3	406.9	414.1	414.6
165°	382.4	384.6	386.9	387.4	389.1	391.3	392.5	396.0	402.8	407.9	408.5
167.5°	388.5	389.6	390.6	390.9	392.3	394.2	395.2	397.4	401.9	405.3	405.5
170°	392.5	393.6	394.6	394.9	395.0	395.1	395.2	397.4	401.9	405.3	405.3
172.5°	394.6	394.9	395.1	395.2	395.2	395.2	395.2	396.9	400.5	403.2	403.0
175°	397.6	397.6	397.6	397.6	396.8	395.7	395.2	396.3	398.5	400.2	400.2
177.5°	397.6	397.6	397.6	397.6	396.9	396.1	395.7	396.6	398.4	399.7	399.4
180°	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9
2.5°	2887.9	2879.9	2887.9	2882.5	2885.2	2877.2	2853.2	2845.2	2853.2	2861.2	2861.2
5°	2922.5	2917.2	2922.5	2922.5	2919.8	2914.5	2887.9	2882.5	2887.9	2890.5	2885.2
7.5°	2933.2	2925.2	2933.2	2927.8	2927.8	2922.5	2895.9	2890.5	2893.2	2901.2	2893.2
10°	2933.2	2925.2	2933.2	2930.5	2927.8	2922.5	2895.9	2885.2	2885.2	2893.2	2885.2
12.5°	2919.8	2914.5	2919.8	2914.5	2914.5	2909.2	2882.5	2871.9	2874.5	2877.2	2866.6
15°	2898.5	2890.5	2898.5	2893.2	2895.9	2887.9	2858.6	2847.9	2847.9	2853.2	2834.6
17.5°	2866.6	2855.9	2866.6	2863.9	2861.2	2855.9	2829.3	2818.6	2815.9	2818.6	2805.3
20°	2829.3	2821.3	2829.3	2826.6	2826.6	2815.9	2789.3	2776.0	2776.0	2776.0	2762.7
22.5°	2770.6	2762.7	2770.6	2776.0	2776.0	2773.3	2749.3	2730.7	2725.4	2725.4	2709.4
25°	2704.0	2696.1	2704.0	2704.0	2701.4	2704.0	2696.1	2685.4	2677.4	2669.4	2653.4
27.5°	2640.1	2634.8	2640.1	2634.8	2640.1	2632.1	2629.5	2626.8	2616.1	2608.1	2586.8
30°	2576.2	2570.8	2576.2	2570.8	2565.5	2560.2	2546.9	2541.5	2552.2	2546.9	2512.2
32.5°	2496.3	2490.9	2496.3	2496.3	2490.9	2490.9	2469.6	2461.6	2464.3	2480.3	2448.3
35°	2413.7	2405.7	2413.7	2411.0	2413.7	2405.7	2392.4	2389.7	2379.0	2397.7	2373.7
37.5°	2317.7	2309.7	2317.7	2317.7	2317.7	2323.0	2312.4	2304.4	2288.4	2312.4	2293.7
40°	2219.1	2208.5	2219.1	2216.4	2219.1	2224.4	2219.1	2213.8	2197.8	2216.4	2200.5
42.5°	2107.2	2104.6	2107.2	2109.9	2109.9	2120.5	2128.5	2117.9	2112.6	2099.2	2109.9
45°	1987.3	1982.0	1987.3	1992.7	1995.3	2000.7	2024.6	2024.6	2016.6	1995.3	2011.3
47.5°	1859.5	1846.2	1859.5	1875.5	1875.5	1883.4	1907.4	1926.1	1912.8	1886.1	1894.1
50°	1723.6	1726.3	1723.6	1734.3	1734.3	1763.6	1782.2	1800.9	1814.2	1782.2	1744.9
52.5°	1590.4	1587.7	1590.4	1598.4	1609.1	1622.4	1654.3	1673.0	1694.3	1675.7	1617.0
55°	1457.2	1462.5	1457.2	1459.9	1465.2	1473.2	1521.1	1539.8	1579.8	1555.8	1494.5
57.5°	1324.0	1316.0	1324.0	1329.3	1332.0	1340.0	1380.0	1414.6	1438.6	1441.2	1366.6
60°	1169.5	1158.8	1169.5	1193.5	1198.8	1204.1	1241.4	1273.4	1294.7	1302.7	1225.4
62.5°	1033.6	1015.0	1033.6	1049.6	1060.3	1073.6	1100.2	1148.2	1166.8	1169.5	1060.3
65°	889.8	881.8	889.8	921.7	924.4	940.4	969.7	1004.3	1044.3	1039.0	881.8
67.5°	759.2	759.2	759.2	780.6	796.5	804.5	841.8	857.8	908.4	913.8	735.3
70°	639.4	636.7	639.4	655.3	666.0	684.6	719.3	737.9	777.9	791.2	596.7
72.5°	524.8	522.1	524.8	538.1	548.8	564.8	594.1	615.4	650.0	666.0	463.5
75°	423.6	418.2	423.6	434.2	431.6	452.9	476.9	498.2	530.1	540.8	343.7
77.5°	325.0	325.0	325.0	335.7	335.7	357.0	367.6	394.3	412.9	428.9	253.1
80°	242.4	239.8	242.4	245.1	245.1	255.7	274.4	293.0	309.0	309.0	173.2
82.5°	170.5	165.2	170.5	170.5	170.5	175.8	186.5	191.8	202.5	210.5	109.2
85°	106.6	106.6	106.6	109.2	106.6	111.9	114.6	119.9	119.9	114.6	66.6
87.5°	69.3	66.6	69.3	66.6	66.6	63.9	63.9	63.9	61.3	58.6	37.3
90°	10.1	10.1	10.1	10.1	10.1	13.5	18.0	20.2	17.4	11.7	7.5
92.5°	40.7	32.6	40.7	48.7	50.7	71.8	100.1	114.2	100.3	72.4	51.5
95°	141.5	117.1	141.5	166.0	172.1	226.0	297.8	333.8	281.9	178.1	100.3
97.5°	339.2	292.7	339.2	385.7	397.3	431.4	476.8	499.5	413.0	239.9	110.2
100°	488.8	433.3	488.8	544.1	557.9	555.4	552.2	550.5	454.5	262.5	118.5
102.5°	635.7	588.3	635.7	683.1	695.0	651.6	593.8	564.9	467.5	272.8	126.7
105°	823.3	797.8	823.3	848.8	855.1	757.8	628.1	563.3	469.0	280.4	139.0
107.5°	946.2	952.3	946.2	939.9	938.4	802.7	621.7	531.2	448.1	281.9	157.2
110°	993.0	1019.5	993.0	966.4	959.8	808.0	605.7	504.6	429.6	279.7	167.3





TEST NUMBER: P933973

CATALOG NUMBER: SQ4-FA-025U-075D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	997.1	1037.9	997.1	956.4	946.2	790.9	583.9	480.3	413.5	279.8	179.6
115°	970.7	1027.2	970.7	914.1	900.0	750.4	550.9	451.2	394.9	282.4	198.0
117.5°	914.6	977.3	914.6	851.9	836.2	701.3	521.3	431.2	383.3	287.6	215.9
120°	869.4	930.4	869.4	808.5	793.3	669.9	505.4	423.1	379.4	291.9	226.3
122.5°	825.5	885.6	825.5	765.3	750.3	639.2	491.1	417.0	377.3	298.0	238.5
125°	762.6	818.0	762.6	707.3	693.4	599.0	473.2	410.3	375.7	306.4	254.3
127.5°	706.2	752.9	706.2	659.5	647.8	566.8	458.7	404.8	374.7	314.6	269.5
130°	673.0	716.2	673.0	629.9	619.0	546.9	450.7	402.6	375.3	320.7	279.6
132.5°	642.8	681.5	642.8	604.2	594.5	530.0	443.8	400.8	375.7	325.5	287.9
135°	601.4	634.7	601.4	568.1	559.8	505.7	433.6	397.6	375.4	330.9	297.5
137.5°	568.2	595.6	568.2	541.0	534.1	488.4	427.5	397.0	377.7	338.9	309.7
140°	545.5	571.0	545.5	520.0	513.6	474.1	421.4	395.2	378.0	343.7	318.1
142.5°	526.7	548.6	526.7	504.7	499.2	464.5	418.2	395.2	379.4	347.8	324.2
145°	498.3	515.0	498.3	481.7	477.6	449.2	411.4	392.5	379.4	353.2	333.5
147.5°	476.7	490.4	476.7	462.9	459.5	437.2	407.4	392.5	382.0	361.0	345.3
150°	463.0	474.1	463.0	451.8	449.1	430.2	405.1	392.5	383.3	365.1	351.4
152.5°	451.3	459.7	451.3	442.9	440.8	424.7	403.2	392.5	384.2	367.7	355.4
155°	437.9	443.5	437.9	432.4	430.9	418.2	401.0	392.5	386.2	373.6	364.2
157.5°	427.3	431.2	427.3	423.3	422.3	412.4	399.2	392.5	388.1	379.5	373.0
160°	420.9	423.1	420.9	418.6	418.1	409.5	398.2	392.5	389.0	382.2	377.0
162.5°	416.7	418.9	416.7	414.6	414.1	406.9	397.3	392.5	390.0	385.0	381.3
165°	410.8	413.0	410.8	408.5	407.9	402.8	396.0	392.5	391.3	389.1	387.4
167.5°	406.4	407.4	406.4	405.5	405.3	401.9	397.4	395.2	394.2	392.3	390.9
170°	405.3	405.3	405.3	405.3	405.3	401.9	397.4	395.2	395.1	395.0	394.9
172.5°	402.1	401.3	402.1	403.0	403.2	400.5	396.9	395.2	395.2	395.2	395.2
175°	400.2	400.2	400.2	400.2	400.2	398.5	396.3	395.2	395.7	396.8	397.6
177.5°	398.5	397.6	398.5	399.4	399.7	398.4	396.6	395.7	396.1	396.9	397.6
180°	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6



TEST NUMBER: P933973

CATALOG NUMBER: SQ4-FA-025U-075D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9
2.5°	2855.9	2839.9	2839.9	2813.3	2802.6	2794.6	2781.3	2741.3	2730.7	2720.0	2736.0
5°	2879.9	2850.6	2829.3	2781.3	2741.3	2725.4	2674.7	2578.8	2514.9	2467.0	2440.3
7.5°	2885.2	2847.9	2807.9	2733.4	2637.4	2594.8	2440.3	2264.4	2216.4	2173.8	2147.2
10°	2879.9	2837.2	2781.3	2669.4	2443.0	2368.4	2213.8	2099.2	2069.9	2061.9	2069.9
12.5°	2861.2	2821.3	2744.0	2557.5	2240.4	2189.8	2099.2	2032.6	2027.3	2040.6	2112.6
15°	2829.3	2792.0	2701.4	2408.3	2128.5	2091.2	2027.3	2003.3	2032.6	2125.9	2341.7
17.5°	2797.3	2754.7	2642.8	2261.7	2043.3	2016.6	1971.4	2019.3	2184.5	2309.7	2381.7
20°	2754.7	2704.0	2576.2	2155.2	1982.0	1958.0	1936.7	2152.5	2277.7	2323.0	2363.1
22.5°	2704.0	2650.8	2485.6	2080.6	1918.1	1899.4	1912.8	2227.1	2277.7	2309.7	2344.3
25°	2637.4	2592.2	2379.0	2022.0	1867.5	1846.2	1896.8	2219.1	2248.4	2256.4	2325.7
27.5°	2576.2	2517.6	2267.1	1968.7	1806.2	1798.2	1910.1	2184.5	2205.8	2213.8	2288.4
30°	2501.6	2413.7	2141.9	1912.8	1742.3	1739.6	1912.8	2141.9	2136.5	2157.8	2232.4
32.5°	2424.3	2259.1	2000.7	1843.5	1681.0	1678.3	1894.1	2077.9	2072.6	2101.9	2157.8
35°	2352.4	2139.2	1808.9	1763.6	1603.7	1606.4	1848.8	2003.3	2006.0	2032.6	2067.3
37.5°	2277.7	2035.3	1598.4	1675.7	1529.1	1529.1	1787.5	1934.1	1928.7	1936.7	1984.7
40°	2189.8	1872.8	1411.9	1561.1	1459.9	1451.9	1713.0	1859.5	1840.8	1838.2	1904.8
42.5°	2096.6	1694.3	1273.4	1409.3	1380.0	1369.3	1622.4	1768.9	1734.3	1742.3	1827.5
45°	1995.3	1646.4	1166.8	1190.8	1297.4	1289.4	1523.8	1665.0	1641.0	1662.3	1750.2
47.5°	1894.1	1550.4	1132.2	988.3	1209.5	1206.8	1414.6	1563.8	1550.4	1571.8	1665.0
50°	1755.6	1443.9	1129.5	847.2	1110.9	1121.5	1284.0	1465.2	1465.2	1483.8	1582.4
52.5°	1577.1	1313.4	1025.6	767.2	996.3	1028.3	1169.5	1380.0	1385.3	1403.9	1491.8
55°	1414.6	1177.5	951.0	706.0	860.5	929.7	1057.6	1292.0	1302.7	1321.3	1401.3
57.5°	1265.4	980.4	935.1	634.0	735.3	801.9	959.0	1206.8	1212.1	1228.1	1305.4
60°	1105.6	708.6	857.8	556.8	626.0	676.7	868.5	1105.6	1124.2	1134.9	1201.5
62.5°	924.4	514.2	777.9	503.5	572.8	583.4	793.9	1009.7	1033.6	1041.6	1081.6
65°	658.0	431.6	660.7	458.2	516.8	519.5	714.0	911.1	932.4	945.7	975.0
67.5°	444.9	351.6	503.5	415.6	474.2	476.9	636.7	796.5	825.8	836.5	855.1
70°	309.0	234.4	373.0	370.3	426.2	431.6	554.1	692.6	719.3	727.3	737.9
72.5°	226.4	189.1	309.0	333.0	375.6	381.0	468.9	575.4	602.1	610.1	615.4
75°	173.2	199.8	250.4	290.4	319.7	322.3	383.6	468.9	487.5	492.8	495.5
77.5°	138.5	186.5	183.8	234.4	261.1	255.7	301.0	362.3	378.3	378.3	378.3
80°	103.9	146.5	138.5	167.8	191.8	186.5	215.8	258.4	263.7	269.1	266.4
82.5°	77.3	93.2	93.2	106.6	127.9	122.5	143.9	167.8	167.8	167.8	173.2
85°	48.0	53.3	42.6	55.9	71.9	69.3	79.9	90.6	93.2	93.2	87.9
87.5°	29.3	24.0	13.3	21.3	32.0	32.0	37.3	40.0	37.3	37.3	37.3
90°	6.9	4.8	2.7	4.8	6.9	7.5	11.7	17.4	20.2	18.0	13.5
92.5°	47.0	28.8	10.7	28.8	47.0	51.5	72.4	100.3	114.2	100.1	71.8
95°	92.0	58.8	25.6	58.8	92.0	100.3	178.1	281.9	333.8	297.8	226.0
97.5°	102.9	73.6	44.3	73.6	102.9	110.2	239.9	413.0	499.5	476.8	431.4
100°	111.8	85.2	58.7	85.2	111.8	118.5	262.5	454.5	550.5	552.2	555.4
102.5°	120.5	95.7	71.0	95.7	120.5	126.7	272.8	467.5	564.9	593.8	651.6
105°	133.7	112.8	91.8	112.8	133.7	139.0	280.4	469.0	563.3	628.1	757.8
107.5°	152.3	132.7	113.1	132.7	152.3	157.2	281.9	448.1	531.2	621.7	802.7
110°	162.9	145.2	127.5	145.2	162.9	167.3	279.7	429.6	504.6	605.7	808.0



TEST NUMBER: P933973

CATALOG NUMBER: SQ4-FA-025U-075D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	175.4	158.5	141.7	158.5	175.4	179.6	279.8	413.5	480.3	583.9	790.9
115°	194.1	178.6	163.0	178.6	194.1	198.0	282.4	394.9	451.2	550.9	750.4
117.5°	212.3	198.2	184.1	198.2	212.3	215.9	287.6	383.3	431.2	521.3	701.3
120°	223.0	209.7	196.3	209.7	223.0	226.3	291.9	379.4	423.1	505.4	669.9
122.5°	235.1	221.8	208.4	221.8	235.1	238.5	298.0	377.3	417.0	491.1	639.2
125°	251.3	239.0	226.8	239.0	251.3	254.3	306.4	375.7	410.3	473.2	599.0
127.5°	266.4	254.1	241.7	254.1	266.4	269.5	314.6	374.7	404.8	458.7	566.8
130°	276.3	263.0	249.7	263.0	276.3	279.6	320.7	375.3	402.6	450.7	546.9
132.5°	284.6	271.3	258.1	271.3	284.6	287.9	325.5	375.7	400.8	443.8	530.0
135°	294.5	282.4	270.3	282.4	294.5	297.5	330.9	375.4	397.6	433.6	505.7
137.5°	306.7	294.8	282.8	294.8	306.7	309.7	338.9	377.7	397.0	427.5	488.4
140°	315.3	304.2	293.2	304.2	315.3	318.1	343.7	378.0	395.2	421.4	474.1
142.5°	321.6	311.4	301.2	311.4	321.6	324.2	347.8	379.4	395.2	418.2	464.5
145°	331.3	322.4	313.6	322.4	331.3	333.5	353.2	379.4	392.5	411.4	449.2
147.5°	343.1	334.4	325.8	334.4	343.1	345.3	361.0	382.0	392.5	407.4	437.2
150°	349.4	341.6	333.8	341.6	349.4	351.4	365.1	383.3	392.5	405.1	430.2
152.5°	353.9	348.0	342.1	348.0	353.9	355.4	367.7	384.2	392.5	403.2	424.7
155°	363.1	358.7	354.3	358.7	363.1	364.2	373.6	386.2	392.5	401.0	418.2
157.5°	372.0	367.6	363.4	367.6	372.0	373.0	379.5	388.1	392.5	399.2	412.4
160°	376.2	372.9	369.6	372.9	376.2	377.0	382.2	389.0	392.5	398.2	409.5
162.5°	380.7	378.2	375.7	378.2	380.7	381.3	385.0	390.0	392.5	397.3	406.9
165°	386.9	384.6	382.4	384.6	386.9	387.4	389.1	391.3	392.5	396.0	402.8
167.5°	390.6	389.6	388.5	389.6	390.6	390.9	392.3	394.2	395.2	397.4	401.9
170°	394.6	393.6	392.5	393.6	394.6	394.9	395.0	395.1	395.2	397.4	401.9
172.5°	395.1	394.9	394.6	394.9	395.1	395.2	395.2	395.2	395.2	396.9	400.5
175°	397.6	397.6	397.6	397.6	397.6	397.6	396.8	395.7	395.2	396.3	398.5
177.5°	397.6	397.6	397.6	397.6	397.6	397.6	396.9	396.1	395.7	396.6	398.4
180°	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6



TEST NUMBER: P933973

CATALOG NUMBER: SQ4-FA-025U-075D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9
2.5°	2717.4	2709.4	2720.0	2690.7	2720.0	2709.4	2717.4	2736.0	2720.0	2730.7	2741.3
5°	2384.4	2371.0	2328.3	2293.7	2328.3	2371.0	2384.4	2440.3	2467.0	2514.9	2578.8
7.5°	2131.2	2120.5	2109.9	2088.6	2109.9	2120.5	2131.2	2147.2	2173.8	2216.4	2264.4
10°	2075.3	2077.9	2093.9	2091.2	2093.9	2077.9	2075.3	2069.9	2061.9	2069.9	2099.2
12.5°	2219.1	2243.1	2331.0	2325.7	2331.0	2243.1	2219.1	2112.6	2040.6	2027.3	2032.6
15°	2384.4	2392.4	2411.0	2413.7	2411.0	2392.4	2384.4	2341.7	2125.9	2032.6	2003.3
17.5°	2400.4	2403.0	2416.3	2416.3	2416.3	2403.0	2400.4	2381.7	2309.7	2184.5	2019.3
20°	2387.0	2392.4	2419.0	2424.3	2419.0	2392.4	2387.0	2363.1	2323.0	2277.7	2152.5
22.5°	2381.7	2392.4	2413.7	2411.0	2413.7	2392.4	2381.7	2344.3	2309.7	2277.7	2227.1
25°	2355.1	2355.1	2357.7	2360.4	2357.7	2355.1	2355.1	2325.7	2256.4	2248.4	2219.1
27.5°	2299.0	2304.4	2320.3	2317.7	2320.3	2304.4	2299.0	2288.4	2213.8	2205.8	2184.5
30°	2248.4	2243.1	2229.8	2219.1	2229.8	2243.1	2248.4	2232.4	2157.8	2136.5	2141.9
32.5°	2163.2	2149.8	2136.5	2128.5	2136.5	2149.8	2163.2	2157.8	2101.9	2072.6	2077.9
35°	2061.9	2064.6	2061.9	2053.9	2061.9	2064.6	2061.9	2067.3	2032.6	2006.0	2003.3
37.5°	1990.0	1995.3	1992.7	1982.0	1992.7	1995.3	1990.0	1984.7	1936.7	1928.7	1934.1
40°	1915.4	1918.1	1915.4	1907.4	1915.4	1918.1	1915.4	1904.8	1838.2	1840.8	1859.5
42.5°	1843.5	1840.8	1832.8	1827.5	1832.8	1840.8	1843.5	1827.5	1742.3	1734.3	1768.9
45°	1760.9	1763.6	1747.6	1739.6	1747.6	1763.6	1760.9	1750.2	1662.3	1641.0	1665.0
47.5°	1678.3	1678.3	1665.0	1657.0	1665.0	1678.3	1678.3	1665.0	1571.8	1550.4	1563.8
50°	1590.4	1587.7	1569.1	1566.4	1569.1	1587.7	1590.4	1582.4	1483.8	1465.2	1465.2
52.5°	1489.2	1489.2	1491.8	1497.2	1491.8	1489.2	1489.2	1491.8	1403.9	1385.3	1380.0
55°	1401.3	1403.9	1422.6	1427.9	1422.6	1403.9	1401.3	1401.3	1321.3	1302.7	1292.0
57.5°	1310.7	1310.7	1324.0	1324.0	1324.0	1310.7	1310.7	1305.4	1228.1	1212.1	1206.8
60°	1206.8	1212.1	1222.8	1220.1	1222.8	1212.1	1206.8	1201.5	1134.9	1124.2	1105.6
62.5°	1097.6	1102.9	1105.6	1100.2	1105.6	1102.9	1097.6	1081.6	1041.6	1033.6	1009.7
65°	983.0	988.3	991.0	985.7	991.0	988.3	983.0	975.0	945.7	932.4	911.1
67.5°	865.8	863.1	860.5	871.1	860.5	863.1	865.8	855.1	836.5	825.8	796.5
70°	745.9	745.9	743.3	748.6	743.3	745.9	745.9	737.9	727.3	719.3	692.6
72.5°	618.0	615.4	626.0	618.0	626.0	615.4	618.0	615.4	610.1	602.1	575.4
75°	492.8	498.2	492.8	500.8	492.8	498.2	492.8	495.5	492.8	487.5	468.9
77.5°	375.6	381.0	375.6	375.6	375.6	381.0	375.6	378.3	378.3	378.3	362.3
80°	266.4	263.7	263.7	261.1	263.7	263.7	266.4	266.4	269.1	263.7	258.4
82.5°	170.5	167.8	167.8	173.2	167.8	167.8	170.5	173.2	167.8	167.8	167.8
85°	93.2	95.9	90.6	90.6	90.6	95.9	93.2	87.9	93.2	93.2	90.6
87.5°	34.6	32.0	32.0	32.0	32.0	32.0	34.6	37.3	37.3	37.3	40.0
90°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	13.5	18.0	20.2	17.4
92.5°	50.7	48.7	40.7	32.6	40.7	48.7	50.7	71.8	100.1	114.2	100.3
95°	172.1	166.0	141.5	117.1	141.5	166.0	172.1	226.0	297.8	333.8	281.9
97.5°	397.3	385.7	339.2	292.7	339.2	385.7	397.3	431.4	476.8	499.5	413.0
100°	557.9	544.1	488.8	433.3	488.8	544.1	557.9	555.4	552.2	550.5	454.5
102.5°	695.0	683.1	635.7	588.3	635.7	683.1	695.0	651.6	593.8	564.9	467.5
105°	855.1	848.8	823.3	797.8	823.3	848.8	855.1	757.8	628.1	563.3	469.0
107.5°	938.4	939.9	946.2	952.3	946.2	939.9	938.4	802.7	621.7	531.2	448.1
110°	959.8	966.4	993.0	1019.5	993.0	966.4	959.8	808.0	605.7	504.6	429.6



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	946.2	956.4	997.1	1037.9	997.1	956.4	946.2	790.9	583.9	480.3	413.5
115°	900.0	914.1	970.7	1027.2	970.7	914.1	900.0	750.4	550.9	451.2	394.9
117.5°	836.2	851.9	914.6	977.3	914.6	851.9	836.2	701.3	521.3	431.2	383.3
120°	793.3	808.5	869.4	930.4	869.4	808.5	793.3	669.9	505.4	423.1	379.4
122.5°	750.3	765.3	825.5	885.6	825.5	765.3	750.3	639.2	491.1	417.0	377.3
125°	693.4	707.3	762.6	818.0	762.6	707.3	693.4	599.0	473.2	410.3	375.7
127.5°	647.8	659.5	706.2	752.9	706.2	659.5	647.8	566.8	458.7	404.8	374.7
130°	619.0	629.9	673.0	716.2	673.0	629.9	619.0	546.9	450.7	402.6	375.3
132.5°	594.5	604.2	642.8	681.5	642.8	604.2	594.5	530.0	443.8	400.8	375.7
135°	559.8	568.1	601.4	634.7	601.4	568.1	559.8	505.7	433.6	397.6	375.4
137.5°	534.1	541.0	568.2	595.6	568.2	541.0	534.1	488.4	427.5	397.0	377.7
140°	513.6	520.0	545.5	571.0	545.5	520.0	513.6	474.1	421.4	395.2	378.0
142.5°	499.2	504.7	526.7	548.6	526.7	504.7	499.2	464.5	418.2	395.2	379.4
145°	477.6	481.7	498.3	515.0	498.3	481.7	477.6	449.2	411.4	392.5	379.4
147.5°	459.5	462.9	476.7	490.4	476.7	462.9	459.5	437.2	407.4	392.5	382.0
150°	449.1	451.8	463.0	474.1	463.0	451.8	449.1	430.2	405.1	392.5	383.3
152.5°	440.8	442.9	451.3	459.7	451.3	442.9	440.8	424.7	403.2	392.5	384.2
155°	430.9	432.4	437.9	443.5	437.9	432.4	430.9	418.2	401.0	392.5	386.2
157.5°	422.3	423.3	427.3	431.2	427.3	423.3	422.3	412.4	399.2	392.5	388.1
160°	418.1	418.6	420.9	423.1	420.9	418.6	418.1	409.5	398.2	392.5	389.0
162.5°	414.1	414.6	416.7	418.9	416.7	414.6	414.1	406.9	397.3	392.5	390.0
165°	407.9	408.5	410.8	413.0	410.8	408.5	407.9	402.8	396.0	392.5	391.3
167.5°	405.3	405.5	406.4	407.4	406.4	405.5	405.3	401.9	397.4	395.2	394.2
170°	405.3	405.3	405.3	405.3	405.3	405.3	405.3	401.9	397.4	395.2	395.1
172.5°	403.2	403.0	402.1	401.3	402.1	403.0	403.2	400.5	396.9	395.2	395.2
175°	400.2	400.2	400.2	400.2	400.2	400.2	400.2	398.5	396.3	395.2	395.7
177.5°	399.7	399.4	398.5	397.6	398.5	399.4	399.7	398.4	396.6	395.7	396.1
180°	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2815.9	2815.9	2815.9	2815.9	2815.9
2.5°	2781.3	2794.6	2802.6	2813.3	2839.9
5°	2674.7	2725.4	2741.3	2781.3	2829.3
7.5°	2440.3	2594.8	2637.4	2733.4	2807.9
10°	2213.8	2368.4	2443.0	2669.4	2781.3
12.5°	2099.2	2189.8	2240.4	2557.5	2744.0
15°	2027.3	2091.2	2128.5	2408.3	2701.4
17.5°	1971.4	2016.6	2043.3	2261.7	2642.8
20°	1936.7	1958.0	1982.0	2155.2	2576.2
22.5°	1912.8	1899.4	1918.1	2080.6	2485.6
25°	1896.8	1846.2	1867.5	2022.0	2379.0
27.5°	1910.1	1798.2	1806.2	1968.7	2267.1
30°	1912.8	1739.6	1742.3	1912.8	2141.9
32.5°	1894.1	1678.3	1681.0	1843.5	2000.7
35°	1848.8	1606.4	1603.7	1763.6	1808.9
37.5°	1787.5	1529.1	1529.1	1675.7	1598.4
40°	1713.0	1451.9	1459.9	1561.1	1411.9
42.5°	1622.4	1369.3	1380.0	1409.3	1273.4
45°	1523.8	1289.4	1297.4	1190.8	1166.8
47.5°	1414.6	1206.8	1209.5	988.3	1132.2
50°	1284.0	1121.5	1110.9	847.2	1129.5
52.5°	1169.5	1028.3	996.3	767.2	1025.6
55°	1057.6	929.7	860.5	706.0	951.0
57.5°	959.0	801.9	735.3	634.0	935.1
60°	868.5	676.7	626.0	556.8	857.8
62.5°	793.9	583.4	572.8	503.5	777.9
65°	714.0	519.5	516.8	458.2	660.7
67.5°	636.7	476.9	474.2	415.6	503.5
70°	554.1	431.6	426.2	370.3	373.0
72.5°	468.9	381.0	375.6	333.0	309.0
75°	383.6	322.3	319.7	290.4	250.4
77.5°	301.0	255.7	261.1	234.4	183.8
80°	215.8	186.5	191.8	167.8	138.5
82.5°	143.9	122.5	127.9	106.6	93.2
85°	79.9	69.3	71.9	55.9	42.6
87.5°	37.3	32.0	32.0	21.3	13.3
90°	11.7	7.5	6.9	4.8	2.7
92.5°	72.4	51.5	47.0	28.8	10.7
95°	178.1	100.3	92.0	58.8	25.6
97.5°	239.9	110.2	102.9	73.6	44.3
100°	262.5	118.5	111.8	85.2	58.7
102.5°	272.8	126.7	120.5	95.7	71.0
105°	280.4	139.0	133.7	112.8	91.8
107.5°	281.9	157.2	152.3	132.7	113.1
110°	279.7	167.3	162.9	145.2	127.5



TEST NUMBER: P933973

CATALOG NUMBER: SQ4-FA-025U-075D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	279.8	179.6	175.4	158.5	141.7
115°	282.4	198.0	194.1	178.6	163.0
117.5°	287.6	215.9	212.3	198.2	184.1
120°	291.9	226.3	223.0	209.7	196.3
122.5°	298.0	238.5	235.1	221.8	208.4
125°	306.4	254.3	251.3	239.0	226.8
127.5°	314.6	269.5	266.4	254.1	241.7
130°	320.7	279.6	276.3	263.0	249.7
132.5°	325.5	287.9	284.6	271.3	258.1
135°	330.9	297.5	294.5	282.4	270.3
137.5°	338.9	309.7	306.7	294.8	282.8
140°	343.7	318.1	315.3	304.2	293.2
142.5°	347.8	324.2	321.6	311.4	301.2
145°	353.2	333.5	331.3	322.4	313.6
147.5°	361.0	345.3	343.1	334.4	325.8
150°	365.1	351.4	349.4	341.6	333.8
152.5°	367.7	355.4	353.9	348.0	342.1
155°	373.6	364.2	363.1	358.7	354.3
157.5°	379.5	373.0	372.0	367.6	363.4
160°	382.2	377.0	376.2	372.9	369.6
162.5°	385.0	381.3	380.7	378.2	375.7
165°	389.1	387.4	386.9	384.6	382.4
167.5°	392.3	390.9	390.6	389.6	388.5
170°	395.0	394.9	394.6	393.6	392.5
172.5°	395.2	395.2	395.1	394.9	394.6
175°	396.8	397.6	397.6	397.6	397.6
177.5°	396.9	397.6	397.6	397.6	397.6
180°	397.6	397.6	397.6	397.6	397.6



TEST NUMBER: P933973  
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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	14.30	15.42	15.02	16.17	17.05	17.15	18.27	17.87	19.02	19.90
	3H	14.79	15.81	15.53	16.56	17.47	18.52	19.53	19.25	20.28	21.20
	4H	15.00	15.95	15.75	16.71	17.64	18.98	19.94	19.73	20.70	21.62
	6H	15.13	16.01	15.90	16.78	17.72	19.28	20.17	20.05	20.94	21.88
	8H	15.14	15.98	15.91	16.77	17.71	19.37	20.21	20.15	21.00	21.94
	12H	15.12	15.92	15.90	16.70	17.67	19.42	20.22	20.20	21.00	21.97
4H	2H	15.37	16.32	16.12	17.08	18.01	17.59	18.54	18.34	19.30	20.23
	3H	16.42	17.21	17.19	18.01	18.95	19.13	19.92	19.89	20.72	21.66
	4H	16.71	17.43	17.49	18.22	19.20	19.67	20.39	20.45	21.19	22.16
	6H	16.85	17.47	17.65	18.29	19.27	20.05	20.68	20.86	21.50	22.48
	8H	16.86	17.44	17.66	18.26	19.25	20.17	20.76	20.98	21.57	22.56
	12H	16.84	17.36	17.66	18.20	19.20	20.24	20.77	21.07	21.61	22.61
8H	4H	17.18	17.77	17.99	18.59	19.58	19.81	20.40	20.62	21.22	22.21
	6H	17.46	17.94	18.29	18.80	19.79	20.27	20.75	21.10	21.61	22.60
	8H	17.50	17.93	18.35	18.79	19.80	20.42	20.86	21.27	21.71	22.72
	12H	17.50	17.88	18.35	18.72	19.79	20.54	20.92	21.39	21.77	22.83
12H	4H	17.20	17.73	18.03	18.57	19.56	19.79	20.32	20.62	21.16	22.15
	6H	17.52	17.95	18.37	18.81	19.82	20.27	20.70	21.11	21.55	22.56
	8H	17.60	17.98	18.45	18.83	19.89	20.44	20.82	21.29	21.67	22.73