

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: P934511

Luminaire Tested: SQ4-FA-050U-125D-830-1D-UNV-STD-W-6

Issue Date: 12/17/2024

**Test Information**

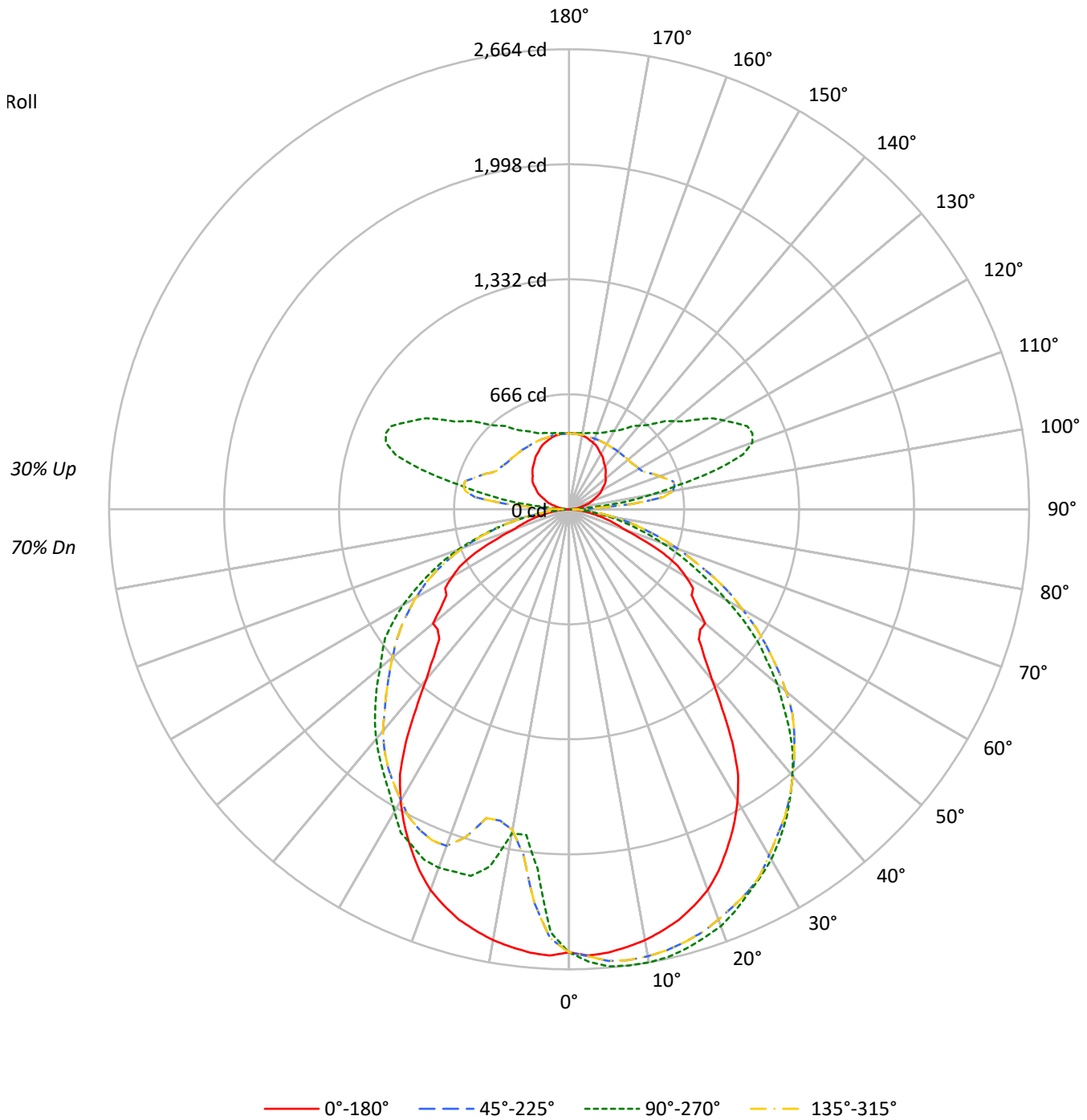
Test Method: LM-79-2019  
Report Number: P934511  
REPORT IS A COMBINATION OF REPORTS P933703 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-050U-125D-830-1D-UNV-STD-W-6  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9506.5 lumens  
Efficiency: N/A  
Efficacy: 113.2 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: Semi-Direct  
  
Input Watts (W): 84  
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					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	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																																			
0	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74		
1	102	98	94	90	97	93	89	86	83	80	78	74	72	70	66	65	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	
2	93	86	79	74	88	81	76	71	73	68	65	65	62	59	58	56	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	
3	85	75	68	62	80	71	65	59	64	59	54	58	53	50	52	48	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	
4	78	67	58	52	73	63	56	50	57	51	46	51	47	43	46	42	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	
5	72	60	51	45	67	57	49	43	51	45	40	46	41	37	41	37	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	
6	66	53	45	39	62	51	43	38	46	40	35	42	36	32	38	33	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
7	61	48	40	34	58	46	39	33	42	36	31	38	33	29	34	30	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	
8	57	44	36	30	54	42	35	29	38	32	28	35	29	26	31	27	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
9	53	40	32	27	50	38	31	26	35	29	25	32	27	23	29	25	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
10	49	37	30	25	47	35	28	24	32	26	22	30	25	21	27	23	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19

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

	0°	90°	180°	270°
0°	15866	15866	15866	15866
5°	15979	16016	15979	12593
10°	15866	15777	15866	11279
15°	15688	15435	15688	12888
20°	15354	15030	15354	12915
25°	14676	14439	14676	12642
30°	13802	13949	13802	12041
35°	12299	13329	12299	11380
40°	10242	12598	10242	10881
45°	9146	11744	9146	10308
50°	9708	10725	9708	9731
55°	9125	9626	9125	9398
60°	9395	8176	9395	8609
65°	8505	6758	8505	7555
70°	5875	5386	5875	6332
75°	5133	3982	5133	4768
80°	4108	2632	4108	2866
85°	2313	1393	2313	1185

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 14026 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	231.5	2.4
10°-20°	657.3	6.9
20°-30°	1016.1	10.7
30°-40°	1213.0	12.8
40°-50°	1220.1	12.8
50°-60°	1061.7	11.2
60°-70°	752.7	7.9
70°-80°	398.2	4.2
80°-90°	100.9	1.1
90°-100°	214.7	2.3
100°-110°	564.4	5.9
110°-120°	585.2	6.2
120°-130°	469.4	4.9
130°-140°	368.3	3.9
140°-150°	282.7	3.0
150°-160°	203.6	2.1
160°-170°	124.6	1.3
170°-180°	42.1	0.4
0°-30°	1905.0	20.0
0°-40°	3118.0	32.8
0°-60°	5399.8	56.8
0°-90°	6651.6	70.0
90°-120°	1364.2	14.4
90°-150°	2484.6	26.1
90°-180°	2855.0	30.0
0°-180°	9506.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2565	2565	2565	2565	2565	
5°	2577	2657	2577	2089	2577	244
15°	2460	2633	2460	2198	2460	692
25°	2167	2456	2167	2150	2167	995
35°	1648	2191	1648	1871	1648	1019
45°	1063	1805	1063	1584	1063	851
55°	866	1332	866	1300	866	796
65°	602	803	602	898	602	575
75°	228	381	228	456	228	240
85°	39	97	39	82	39	52
90°	3	11	3	11	3	4
95°	28	130	28	130	28	32
105°	102	884	102	884	102	108
115°	181	1138	181	1138	181	178
125°	251	906	251	906	251	223
135°	299	703	299	703	299	232
145°	347	570	347	570	347	218
155°	392	491	392	491	392	180
165°	424	458	424	458	424	120
175°	440	443	440	443	440	42
180°	440	440	440	440	440	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8
2.5°	2586.6	2586.6	2601.2	2606.0	2606.0	2598.7	2591.4	2598.7	2620.6	2627.9	2625.4
5°	2576.9	2596.3	2623.0	2627.9	2632.7	2630.2	2625.4	2630.2	2654.5	2659.4	2661.8
7.5°	2557.5	2593.8	2627.9	2635.1	2642.4	2635.1	2632.7	2637.5	2661.8	2666.7	2666.7
10°	2533.2	2584.2	2623.0	2627.9	2635.1	2627.9	2627.9	2637.5	2661.8	2666.7	2669.1
12.5°	2499.3	2569.6	2606.0	2610.8	2620.6	2618.1	2615.7	2625.4	2649.6	2654.5	2654.5
15°	2460.5	2542.9	2576.9	2581.8	2598.7	2593.8	2593.8	2603.6	2630.2	2637.5	2635.1
17.5°	2407.0	2508.9	2547.7	2555.0	2567.1	2564.8	2567.1	2576.9	2601.2	2606.0	2608.4
20°	2346.4	2462.8	2508.9	2516.2	2528.3	2528.3	2528.3	2540.5	2564.8	2574.4	2574.4
22.5°	2263.9	2414.3	2462.8	2467.7	2482.3	2482.3	2487.1	2504.1	2525.9	2528.3	2528.3
25°	2166.8	2360.9	2402.1	2416.8	2431.3	2438.6	2445.8	2455.6	2462.8	2460.5	2462.8
27.5°	2064.9	2293.0	2346.4	2356.1	2375.5	2382.7	2392.5	2394.9	2397.4	2404.6	2399.8
30°	1950.8	2198.3	2278.4	2288.1	2319.6	2324.5	2314.9	2319.6	2331.8	2336.7	2341.5
32.5°	1822.2	2057.6	2208.1	2229.9	2259.0	2244.5	2242.0	2249.3	2268.7	2268.7	2273.6
35°	1647.6	1948.4	2142.6	2162.0	2183.8	2166.8	2176.5	2178.9	2191.1	2198.3	2195.9
37.5°	1455.9	1853.8	2074.6	2089.1	2106.2	2084.3	2098.9	2106.2	2115.8	2111.0	2111.0
40°	1286.0	1705.8	1994.5	2004.3	2018.8	2001.8	2016.4	2021.3	2026.1	2021.3	2018.8
42.5°	1159.8	1543.2	1909.6	1921.8	1912.0	1924.1	1929.0	1938.8	1931.4	1921.8	1921.8
45°	1062.8	1499.6	1817.4	1832.0	1817.4	1836.9	1844.1	1844.1	1822.2	1817.4	1815.0
47.5°	1031.2	1412.2	1725.2	1725.2	1717.9	1742.2	1754.4	1737.3	1715.4	1708.2	1708.2
50°	1028.8	1315.2	1599.0	1589.4	1623.3	1652.4	1640.3	1623.3	1606.3	1579.6	1579.6
52.5°	934.2	1196.2	1436.5	1472.8	1526.3	1543.2	1523.8	1506.8	1477.7	1465.5	1455.9
55°	866.2	1072.4	1288.4	1361.2	1417.1	1438.9	1402.5	1385.5	1341.8	1334.6	1329.7
57.5°	851.7	892.9	1152.6	1244.8	1312.7	1310.3	1288.4	1256.9	1220.5	1213.3	1210.8
60°	781.3	645.4	1007.0	1116.1	1186.5	1179.2	1159.8	1130.8	1096.7	1091.9	1087.1
62.5°	708.5	468.3	841.9	965.8	1065.2	1062.8	1045.8	1002.1	977.9	965.8	956.0
65°	601.8	393.1	599.3	803.1	946.3	951.1	914.8	883.2	856.6	841.9	839.6
67.5°	458.6	320.3	405.2	669.7	832.3	827.4	781.3	766.7	732.8	725.5	711.0
70°	339.7	213.6	281.4	543.5	720.6	708.5	672.2	655.1	623.6	606.6	596.9
72.5°	281.4	172.3	206.2	422.2	606.6	592.1	560.5	541.1	514.4	499.9	490.1
75°	228.1	182.0	157.7	313.0	492.5	482.9	453.7	434.3	412.5	393.1	395.5
77.5°	167.4	169.9	126.2	230.5	390.6	376.1	359.1	334.9	325.1	305.7	305.7
80°	126.2	133.5	94.6	157.7	281.4	281.4	266.9	249.9	233.0	223.2	223.2
82.5°	84.9	84.9	70.4	99.5	191.7	184.4	174.7	169.9	160.1	155.3	155.3
85°	38.8	48.6	43.7	60.7	104.3	109.2	109.2	104.3	101.9	97.0	99.5
87.5°	12.1	21.8	26.7	33.9	53.3	55.8	58.2	58.2	58.2	60.7	60.7
90°	3.0	5.4	7.7	8.3	13.0	19.3	22.5	20.0	14.9	11.2	11.2
92.5°	11.9	31.9	52.0	57.1	80.2	111.1	126.5	110.8	79.5	56.1	53.9
95°	28.4	65.1	101.9	111.1	197.3	312.3	369.8	330.0	250.4	190.6	183.8
97.5°	49.0	81.5	114.0	122.1	265.9	457.5	553.3	528.2	477.8	440.0	427.1
100°	65.0	94.5	123.9	131.3	290.7	503.4	609.7	611.6	615.3	618.1	602.8
102.5°	78.6	106.1	133.6	140.4	302.2	517.9	625.7	657.7	721.9	770.0	756.9
105°	101.7	124.9	148.2	154.0	310.6	519.5	623.9	695.8	839.5	947.3	940.2
107.5°	125.3	147.0	168.6	174.1	312.2	496.4	588.4	688.6	889.1	1039.5	1041.2
110°	141.3	160.8	180.4	185.3	309.8	475.9	558.9	670.9	895.1	1063.2	1070.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	157.0	175.6	194.3	198.9	309.9	458.0	532.0	646.7	876.1	1048.1	1059.3
115°	180.6	197.8	215.0	219.3	312.8	437.5	499.8	610.3	831.2	996.9	1012.6
117.5°	203.9	219.6	235.2	239.1	318.6	424.7	477.6	577.3	776.8	926.3	943.7
120°	217.5	232.2	246.9	250.7	323.3	420.3	468.7	559.8	742.0	878.7	895.6
122.5°	230.9	245.7	260.5	264.2	330.1	418.0	461.9	544.0	708.1	831.1	847.8
125°	251.2	264.7	278.3	281.6	339.3	416.1	454.6	524.3	663.7	768.1	783.4
127.5°	267.8	281.4	295.1	298.6	348.5	415.1	448.4	508.2	627.8	717.6	730.5
130°	276.7	291.4	306.1	309.7	355.2	415.7	446.0	499.2	605.8	685.7	697.7
132.5°	285.8	300.6	315.3	318.9	360.6	416.1	444.0	491.7	587.0	658.5	669.2
135°	299.4	312.8	326.2	329.5	366.5	415.8	440.4	480.4	560.2	620.1	629.3
137.5°	313.3	326.6	339.8	343.1	375.3	418.2	439.8	473.5	541.0	591.7	599.2
140°	324.8	337.1	349.2	352.3	380.8	418.7	437.8	466.9	525.2	568.9	576.0
142.5°	333.6	344.9	356.2	359.1	385.3	420.3	437.8	463.4	514.5	553.0	559.1
145°	347.3	357.2	367.0	369.5	391.3	420.3	434.8	455.7	497.6	529.1	533.6
147.5°	360.9	370.4	380.1	382.5	399.9	423.1	434.8	451.2	484.2	509.0	512.8
150°	369.8	378.5	387.1	389.3	404.5	424.7	434.8	448.7	476.6	497.4	500.5
152.5°	378.9	385.5	392.1	393.7	407.4	425.6	434.8	446.6	470.4	488.2	490.5
155°	392.5	397.4	402.2	403.4	413.9	427.8	434.8	444.3	463.2	477.3	478.9
157.5°	402.6	407.3	412.0	413.2	420.4	430.0	434.8	442.2	456.9	467.9	468.9
160°	409.4	413.0	416.6	417.6	423.3	431.0	434.8	441.1	453.7	463.2	463.8
162.5°	416.1	418.9	421.7	422.4	426.5	432.0	434.8	440.1	450.8	458.7	459.3
165°	423.5	426.0	428.5	429.1	431.1	433.5	434.8	438.6	446.2	451.9	452.6
167.5°	430.3	431.4	432.7	433.0	434.6	436.7	437.8	440.2	445.2	448.9	449.2
170°	434.8	435.9	437.2	437.5	437.6	437.7	437.8	440.2	445.2	448.9	448.9
172.5°	437.2	437.5	437.7	437.8	437.8	437.8	437.8	439.7	443.6	446.5	446.4
175°	440.4	440.4	440.4	440.4	439.6	438.3	437.8	439.0	441.5	443.3	443.3
177.5°	440.4	440.4	440.4	440.4	439.8	438.8	438.3	439.3	441.3	442.7	442.4
180°	440.4	440.4	440.4	440.4	440.4	440.4	440.4	440.4	440.4	440.4	440.4



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8
2.5°	2630.2	2623.0	2630.2	2625.4	2627.9	2620.6	2598.7	2591.4	2598.7	2606.0	2606.0
5°	2661.8	2656.9	2661.8	2661.8	2659.4	2654.5	2630.2	2625.4	2630.2	2632.7	2627.9
7.5°	2671.5	2664.3	2671.5	2666.7	2666.7	2661.8	2637.5	2632.7	2635.1	2642.4	2635.1
10°	2671.5	2664.3	2671.5	2669.1	2666.7	2661.8	2637.5	2627.9	2627.9	2635.1	2627.9
12.5°	2659.4	2654.5	2659.4	2654.5	2654.5	2649.6	2625.4	2615.7	2618.1	2620.6	2610.8
15°	2640.0	2632.7	2640.0	2635.1	2637.5	2630.2	2603.6	2593.8	2593.8	2598.7	2581.8
17.5°	2610.8	2601.2	2610.8	2608.4	2606.0	2601.2	2576.9	2567.1	2564.8	2567.1	2555.0
20°	2576.9	2569.6	2576.9	2574.4	2574.4	2564.8	2540.5	2528.3	2528.3	2528.3	2516.2
22.5°	2523.5	2516.2	2523.5	2528.3	2528.3	2525.9	2504.1	2487.1	2482.3	2482.3	2467.7
25°	2462.8	2455.6	2462.8	2462.8	2460.5	2462.8	2455.6	2445.8	2438.6	2431.3	2416.8
27.5°	2404.6	2399.8	2404.6	2399.8	2404.6	2397.4	2394.9	2392.5	2382.7	2375.5	2356.1
30°	2346.4	2341.5	2346.4	2341.5	2336.7	2331.8	2319.6	2314.9	2324.5	2319.6	2288.1
32.5°	2273.6	2268.7	2273.6	2273.6	2268.7	2268.7	2249.3	2242.0	2244.5	2259.0	2229.9
35°	2198.3	2191.1	2198.3	2195.9	2198.3	2191.1	2178.9	2176.5	2166.8	2183.8	2162.0
37.5°	2111.0	2103.7	2111.0	2111.0	2111.0	2115.8	2106.2	2098.9	2084.3	2106.2	2089.1
40°	2021.3	2011.5	2021.3	2018.8	2021.3	2026.1	2021.3	2016.4	2001.8	2018.8	2004.3
42.5°	1919.4	1916.9	1919.4	1921.8	1921.8	1931.4	1938.8	1929.0	1924.1	1912.0	1921.8
45°	1810.1	1805.3	1810.1	1815.0	1817.4	1822.2	1844.1	1844.1	1836.9	1817.4	1832.0
47.5°	1693.6	1681.5	1693.6	1708.2	1708.2	1715.4	1737.3	1754.4	1742.2	1717.9	1725.2
50°	1569.9	1572.3	1569.9	1579.6	1579.6	1606.3	1623.3	1640.3	1652.4	1623.3	1589.4
52.5°	1448.6	1446.1	1448.6	1455.9	1465.5	1477.7	1506.8	1523.8	1543.2	1526.3	1472.8
55°	1327.2	1332.1	1327.2	1329.7	1334.6	1341.8	1385.5	1402.5	1438.9	1417.1	1361.2
57.5°	1205.9	1198.6	1205.9	1210.8	1213.3	1220.5	1256.9	1288.4	1310.3	1312.7	1244.8
60°	1065.2	1055.5	1065.2	1087.1	1091.9	1096.7	1130.8	1159.8	1179.2	1186.5	1116.1
62.5°	941.5	924.5	941.5	956.0	965.8	977.9	1002.1	1045.8	1062.8	1065.2	965.8
65°	810.4	803.1	810.4	839.6	841.9	856.6	883.2	914.8	951.1	946.3	803.1
67.5°	691.6	691.6	691.6	711.0	725.5	732.8	766.7	781.3	827.4	832.3	669.7
70°	582.3	579.9	582.3	596.9	606.6	623.6	655.1	672.2	708.5	720.6	543.5
72.5°	478.0	475.6	478.0	490.1	499.9	514.4	541.1	560.5	592.1	606.6	422.2
75°	385.8	381.0	385.8	395.5	393.1	412.5	434.3	453.7	482.9	492.5	313.0
77.5°	296.1	296.1	296.1	305.7	305.7	325.1	334.9	359.1	376.1	390.6	230.5
80°	220.8	218.4	220.8	223.2	223.2	233.0	249.9	266.9	281.4	281.4	157.7
82.5°	155.3	150.5	155.3	155.3	155.3	160.1	169.9	174.7	184.4	191.7	99.5
85°	97.0	97.0	97.0	99.5	97.0	101.9	104.3	109.2	109.2	104.3	60.7
87.5°	63.1	60.7	63.1	60.7	60.7	58.2	58.2	58.2	55.8	53.3	33.9
90°	11.2	11.2	11.2	11.2	11.2	14.9	20.0	22.5	19.3	13.0	8.3
92.5°	44.9	36.0	44.9	53.9	56.1	79.5	110.8	126.5	111.1	80.2	57.1
95°	156.8	129.7	156.8	183.8	190.6	250.4	330.0	369.8	312.3	197.3	111.1
97.5°	375.7	324.3	375.7	427.1	440.0	477.8	528.2	553.3	457.5	265.9	122.1
100°	541.4	480.0	541.4	602.8	618.1	615.3	611.6	609.7	503.4	290.7	131.3
102.5°	704.3	651.7	704.3	756.9	770.0	721.9	657.7	625.7	517.9	302.2	140.4
105°	912.0	883.7	912.0	940.2	947.3	839.5	695.8	623.9	519.5	310.6	154.0
107.5°	1048.0	1054.9	1048.0	1041.2	1039.5	889.1	688.6	588.4	496.4	312.2	174.1
110°	1099.9	1129.3	1099.9	1070.5	1063.2	895.1	670.9	558.9	475.9	309.8	185.3





TEST NUMBER: P934511

CATALOG NUMBER: SQ4-FA-050U-125D-830-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1104.6	1149.7	1104.6	1059.3	1048.1	876.1	646.7	532.0	458.0	309.9	198.9
115°	1075.2	1137.9	1075.2	1012.6	996.9	831.2	610.3	499.8	437.5	312.8	219.3
117.5°	1013.2	1082.7	1013.2	943.7	926.3	776.8	577.3	477.6	424.7	318.6	239.1
120°	963.1	1030.7	963.1	895.6	878.7	742.0	559.8	468.7	420.3	323.3	250.7
122.5°	914.4	981.0	914.4	847.8	831.1	708.1	544.0	461.9	418.0	330.1	264.2
125°	844.8	906.2	844.8	783.4	768.1	663.7	524.3	454.6	416.1	339.3	281.6
127.5°	782.3	834.1	782.3	730.5	717.6	627.8	508.2	448.4	415.1	348.5	298.6
130°	745.5	793.3	745.5	697.7	685.7	605.8	499.2	446.0	415.7	355.2	309.7
132.5°	712.0	754.9	712.0	669.2	658.5	587.0	491.7	444.0	416.1	360.6	318.9
135°	666.2	703.1	666.2	629.3	620.1	560.2	480.4	440.4	415.8	366.5	329.5
137.5°	629.5	659.7	629.5	599.2	591.7	541.0	473.5	439.8	418.2	375.3	343.1
140°	604.2	632.5	604.2	576.0	568.9	525.2	466.9	437.8	418.7	380.8	352.3
142.5°	583.4	607.6	583.4	559.1	553.0	514.5	463.4	437.8	420.3	385.3	359.1
145°	552.1	570.4	552.1	533.6	529.1	497.6	455.7	434.8	420.3	391.3	369.5
147.5°	528.0	543.2	528.0	512.8	509.0	484.2	451.2	434.8	423.1	399.9	382.5
150°	512.9	525.2	512.9	500.5	497.4	476.6	448.7	434.8	424.7	404.5	389.3
152.5°	499.9	509.3	499.9	490.5	488.2	470.4	446.6	434.8	425.6	407.4	393.7
155°	485.1	491.2	485.1	478.9	477.3	463.2	444.3	434.8	427.8	413.9	403.4
157.5°	473.3	477.6	473.3	468.9	467.9	456.9	442.2	434.8	430.0	420.4	413.2
160°	466.2	468.7	466.2	463.8	463.2	453.7	441.1	434.8	431.0	423.3	417.6
162.5°	461.7	464.0	461.7	459.3	458.7	450.8	440.1	434.8	432.0	426.5	422.4
165°	455.1	457.5	455.1	452.6	451.9	446.2	438.6	434.8	433.5	431.1	429.1
167.5°	450.3	451.3	450.3	449.2	448.9	445.2	440.2	437.8	436.7	434.6	433.0
170°	448.9	448.9	448.9	448.9	448.9	445.2	440.2	437.8	437.7	437.6	437.5
172.5°	445.4	444.5	445.4	446.4	446.5	443.6	439.7	437.8	437.8	437.8	437.8
175°	443.3	443.3	443.3	443.3	443.3	441.5	439.0	437.8	438.3	439.6	440.4
177.5°	441.5	440.4	441.5	442.4	442.7	441.3	439.3	438.3	438.8	439.8	440.4
180°	440.4	440.4	440.4	440.4	440.4	440.4	440.4	440.4	440.4	440.4	440.4



TEST NUMBER: P934511  
 CATALOG NUMBER: SQ4-FA-050U-125D-830-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8
2.5°	2601.2	2586.6	2586.6	2562.4	2552.6	2545.4	2533.2	2496.8	2487.1	2477.4	2491.9
5°	2623.0	2596.3	2576.9	2533.2	2496.8	2482.3	2436.2	2348.8	2290.6	2246.9	2222.6
7.5°	2627.9	2593.8	2557.5	2489.5	2402.1	2363.3	2222.6	2062.5	2018.8	1980.0	1955.7
10°	2623.0	2584.2	2533.2	2431.3	2225.1	2157.1	2016.4	1912.0	1885.3	1878.1	1885.3
12.5°	2606.0	2569.6	2499.3	2329.4	2040.7	1994.5	1912.0	1851.4	1846.5	1858.7	1924.1
15°	2576.9	2542.9	2460.5	2193.5	1938.8	1904.7	1846.5	1824.7	1851.4	1936.3	2132.8
17.5°	2547.7	2508.9	2407.0	2060.1	1861.0	1836.9	1795.6	1839.2	1989.7	2103.7	2169.3
20°	2508.9	2462.8	2346.4	1963.0	1805.3	1783.4	1764.0	1960.6	2074.6	2115.8	2152.2
22.5°	2462.8	2414.3	2263.9	1895.1	1747.0	1730.1	1742.2	2028.5	2074.6	2103.7	2135.2
25°	2402.1	2360.9	2166.8	1841.6	1700.9	1681.5	1727.6	2021.3	2047.9	2055.2	2118.3
27.5°	2346.4	2293.0	2064.9	1793.2	1645.1	1637.8	1739.7	1989.7	2009.1	2016.4	2084.3
30°	2278.4	2198.3	1950.8	1742.2	1586.9	1584.5	1742.2	1950.8	1946.0	1965.4	2033.3
32.5°	2208.1	2057.6	1822.2	1679.1	1531.1	1528.6	1725.2	1892.6	1887.8	1914.5	1965.4
35°	2142.6	1948.4	1647.6	1606.3	1460.7	1463.2	1684.0	1824.7	1827.1	1851.4	1882.9
37.5°	2074.6	1853.8	1455.9	1526.3	1392.8	1392.8	1628.2	1761.6	1756.7	1764.0	1807.7
40°	1994.5	1705.8	1286.0	1421.9	1329.7	1322.4	1560.2	1693.6	1676.6	1674.2	1734.9
42.5°	1909.6	1543.2	1159.8	1283.6	1256.9	1247.2	1477.7	1611.1	1579.6	1586.9	1664.5
45°	1817.4	1499.6	1062.8	1084.6	1181.7	1174.4	1387.9	1516.5	1494.7	1514.1	1594.1
47.5°	1725.2	1412.2	1031.2	900.2	1101.6	1099.2	1288.4	1424.3	1412.2	1431.6	1516.5
50°	1599.0	1315.2	1028.8	771.6	1011.8	1021.5	1169.6	1334.6	1334.6	1351.5	1441.3
52.5°	1436.5	1196.2	934.2	698.8	907.5	936.6	1065.2	1256.9	1261.7	1278.7	1358.8
55°	1288.4	1072.4	866.2	643.0	783.7	846.8	963.3	1176.8	1186.5	1203.5	1276.3
57.5°	1152.6	892.9	851.7	577.5	669.7	730.4	873.5	1099.2	1104.0	1118.6	1189.0
60°	1007.0	645.4	781.3	507.2	570.3	616.3	791.0	1007.0	1024.0	1033.6	1094.3
62.5°	841.9	468.3	708.5	458.6	521.7	531.3	723.1	919.6	941.5	948.7	985.2
65°	599.3	393.1	601.8	417.4	470.7	473.1	650.3	829.8	849.2	861.4	888.1
67.5°	405.2	320.3	458.6	378.5	431.9	434.3	579.9	725.5	752.2	761.9	778.9
70°	281.4	213.6	339.7	337.3	388.2	393.1	504.7	630.9	655.1	662.4	672.2
72.5°	206.2	172.3	281.4	303.3	342.2	347.0	427.0	524.1	548.4	555.6	560.5
75°	157.7	182.0	228.1	264.5	291.2	293.6	349.4	427.0	444.1	448.9	451.3
77.5°	126.2	169.9	167.4	213.6	237.8	233.0	274.2	330.0	344.5	344.5	344.5
80°	94.6	133.5	126.2	152.9	174.7	169.9	196.6	235.4	240.2	245.0	242.6
82.5°	70.4	84.9	84.9	97.0	116.4	111.7	131.1	152.9	152.9	152.9	157.7
85°	43.7	48.6	38.8	51.0	65.5	63.1	72.8	82.5	84.9	84.9	80.1
87.5°	26.7	21.8	12.1	19.4	29.2	29.2	33.9	36.4	33.9	33.9	33.9
90°	7.7	5.4	3.0	5.4	7.7	8.3	13.0	19.3	22.5	20.0	14.9
92.5°	52.0	31.9	11.9	31.9	52.0	57.1	80.2	111.1	126.5	110.8	79.5
95°	101.9	65.1	28.4	65.1	101.9	111.1	197.3	312.3	369.8	330.0	250.4
97.5°	114.0	81.5	49.0	81.5	114.0	122.1	265.9	457.5	553.3	528.2	477.8
100°	123.9	94.5	65.0	94.5	123.9	131.3	290.7	503.4	609.7	611.6	615.3
102.5°	133.6	106.1	78.6	106.1	133.6	140.4	302.2	517.9	625.7	657.7	721.9
105°	148.2	124.9	101.7	124.9	148.2	154.0	310.6	519.5	623.9	695.8	839.5
107.5°	168.6	147.0	125.3	147.0	168.6	174.1	312.2	496.4	588.4	688.6	889.1
110°	180.4	160.8	141.3	160.8	180.4	185.3	309.8	475.9	558.9	670.9	895.1



TEST NUMBER: P934511

CATALOG NUMBER: SQ4-FA-050U-125D-830-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	194.3	175.6	157.0	175.6	194.3	198.9	309.9	458.0	532.0	646.7	876.1
115°	215.0	197.8	180.6	197.8	215.0	219.3	312.8	437.5	499.8	610.3	831.2
117.5°	235.2	219.6	203.9	219.6	235.2	239.1	318.6	424.7	477.6	577.3	776.8
120°	246.9	232.2	217.5	232.2	246.9	250.7	323.3	420.3	468.7	559.8	742.0
122.5°	260.5	245.7	230.9	245.7	260.5	264.2	330.1	418.0	461.9	544.0	708.1
125°	278.3	264.7	251.2	264.7	278.3	281.6	339.3	416.1	454.6	524.3	663.7
127.5°	295.1	281.4	267.8	281.4	295.1	298.6	348.5	415.1	448.4	508.2	627.8
130°	306.1	291.4	276.7	291.4	306.1	309.7	355.2	415.7	446.0	499.2	605.8
132.5°	315.3	300.6	285.8	300.6	315.3	318.9	360.6	416.1	444.0	491.7	587.0
135°	326.2	312.8	299.4	312.8	326.2	329.5	366.5	415.8	440.4	480.4	560.2
137.5°	339.8	326.6	313.3	326.6	339.8	343.1	375.3	418.2	439.8	473.5	541.0
140°	349.2	337.1	324.8	337.1	349.2	352.3	380.8	418.7	437.8	466.9	525.2
142.5°	356.2	344.9	333.6	344.9	356.2	359.1	385.3	420.3	437.8	463.4	514.5
145°	367.0	357.2	347.3	357.2	367.0	369.5	391.3	420.3	434.8	455.7	497.6
147.5°	380.1	370.4	360.9	370.4	380.1	382.5	399.9	423.1	434.8	451.2	484.2
150°	387.1	378.5	369.8	378.5	387.1	389.3	404.5	424.7	434.8	448.7	476.6
152.5°	392.1	385.5	378.9	385.5	392.1	393.7	407.4	425.6	434.8	446.6	470.4
155°	402.2	397.4	392.5	397.4	402.2	403.4	413.9	427.8	434.8	444.3	463.2
157.5°	412.0	407.3	402.6	407.3	412.0	413.2	420.4	430.0	434.8	442.2	456.9
160°	416.6	413.0	409.4	413.0	416.6	417.6	423.3	431.0	434.8	441.1	453.7
162.5°	421.7	418.9	416.1	418.9	421.7	422.4	426.5	432.0	434.8	440.1	450.8
165°	428.5	426.0	423.5	426.0	428.5	429.1	431.1	433.5	434.8	438.6	446.2
167.5°	432.7	431.4	430.3	431.4	432.7	433.0	434.6	436.7	437.8	440.2	445.2
170°	437.2	435.9	434.8	435.9	437.2	437.5	437.6	437.7	437.8	440.2	445.2
172.5°	437.7	437.5	437.2	437.5	437.7	437.8	437.8	437.8	437.8	439.7	443.6
175°	440.4	440.4	440.4	440.4	440.4	440.4	439.6	438.3	437.8	439.0	441.5
177.5°	440.4	440.4	440.4	440.4	440.4	440.4	439.8	438.8	438.3	439.3	441.3
180°	440.4	440.4	440.4	440.4	440.4	440.4	440.4	440.4	440.4	440.4	440.4



TEST NUMBER: P934511  
 CATALOG NUMBER: SQ4-FA-050U-125D-830-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8
2.5°	2475.0	2467.7	2477.4	2450.7	2477.4	2467.7	2475.0	2491.9	2477.4	2487.1	2496.8
5°	2171.6	2159.5	2120.7	2089.1	2120.7	2159.5	2171.6	2222.6	2246.9	2290.6	2348.8
7.5°	1941.2	1931.4	1921.8	1902.3	1921.8	1931.4	1941.2	1955.7	1980.0	2018.8	2062.5
10°	1890.2	1892.6	1907.2	1904.7	1907.2	1892.6	1890.2	1885.3	1878.1	1885.3	1912.0
12.5°	2021.3	2043.1	2123.2	2118.3	2123.2	2043.1	2021.3	1924.1	1858.7	1846.5	1851.4
15°	2171.6	2178.9	2195.9	2198.3	2195.9	2178.9	2171.6	2132.8	1936.3	1851.4	1824.7
17.5°	2186.2	2188.7	2200.8	2200.8	2200.8	2188.7	2186.2	2169.3	2103.7	1989.7	1839.2
20°	2174.1	2178.9	2203.2	2208.1	2203.2	2178.9	2174.1	2152.2	2115.8	2074.6	1960.6
22.5°	2169.3	2178.9	2198.3	2195.9	2198.3	2178.9	2169.3	2135.2	2103.7	2074.6	2028.5
25°	2145.0	2145.0	2147.4	2149.9	2147.4	2145.0	2145.0	2118.3	2055.2	2047.9	2021.3
27.5°	2094.0	2098.9	2113.4	2111.0	2113.4	2098.9	2094.0	2084.3	2016.4	2009.1	1989.7
30°	2047.9	2043.1	2030.9	2021.3	2030.9	2043.1	2047.9	2033.3	1965.4	1946.0	1950.8
32.5°	1970.3	1958.2	1946.0	1938.8	1946.0	1958.2	1970.3	1965.4	1914.5	1887.8	1892.6
35°	1878.1	1880.5	1878.1	1870.8	1878.1	1880.5	1878.1	1882.9	1851.4	1827.1	1824.7
37.5°	1812.6	1817.4	1815.0	1805.3	1815.0	1817.4	1812.6	1807.7	1764.0	1756.7	1761.6
40°	1744.6	1747.0	1744.6	1737.3	1744.6	1747.0	1744.6	1734.9	1674.2	1676.6	1693.6
42.5°	1679.1	1676.6	1669.4	1664.5	1669.4	1676.6	1679.1	1664.5	1586.9	1579.6	1611.1
45°	1603.9	1606.3	1591.7	1584.5	1591.7	1606.3	1603.9	1594.1	1514.1	1494.7	1516.5
47.5°	1528.6	1528.6	1516.5	1509.2	1516.5	1528.6	1528.6	1516.5	1431.6	1412.2	1424.3
50°	1448.6	1446.1	1429.2	1426.7	1429.2	1446.1	1448.6	1441.3	1351.5	1334.6	1334.6
52.5°	1356.4	1356.4	1358.8	1363.6	1358.8	1356.4	1356.4	1358.8	1278.7	1261.7	1256.9
55°	1276.3	1278.7	1295.8	1300.5	1295.8	1278.7	1276.3	1276.3	1203.5	1186.5	1176.8
57.5°	1193.9	1193.9	1205.9	1205.9	1205.9	1193.9	1193.9	1189.0	1118.6	1104.0	1099.2
60°	1099.2	1104.0	1113.7	1111.4	1113.7	1104.0	1099.2	1094.3	1033.6	1024.0	1007.0
62.5°	999.7	1004.6	1007.0	1002.1	1007.0	1004.6	999.7	985.2	948.7	941.5	919.6
65°	895.4	900.2	902.7	897.8	902.7	900.2	895.4	888.1	861.4	849.2	829.8
67.5°	788.6	786.1	783.7	793.5	783.7	786.1	788.6	778.9	761.9	752.2	725.5
70°	679.4	679.4	676.9	681.8	676.9	679.4	679.4	672.2	662.4	655.1	630.9
72.5°	562.9	560.5	570.3	562.9	570.3	560.5	562.9	560.5	555.6	548.4	524.1
75°	448.9	453.7	448.9	456.2	448.9	453.7	448.9	451.3	448.9	444.1	427.0
77.5°	342.2	347.0	342.2	342.2	342.2	347.0	342.2	344.5	344.5	344.5	330.0
80°	242.6	240.2	240.2	237.8	240.2	240.2	242.6	242.6	245.0	240.2	235.4
82.5°	155.3	152.9	152.9	157.7	152.9	152.9	155.3	157.7	152.9	152.9	152.9
85°	84.9	87.4	82.5	82.5	82.5	87.4	84.9	80.1	84.9	84.9	82.5
87.5°	31.5	29.2	29.2	29.2	29.2	29.2	31.5	33.9	33.9	33.9	36.4
90°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	14.9	20.0	22.5	19.3
92.5°	56.1	53.9	44.9	36.0	44.9	53.9	56.1	79.5	110.8	126.5	111.1
95°	190.6	183.8	156.8	129.7	156.8	183.8	190.6	250.4	330.0	369.8	312.3
97.5°	440.0	427.1	375.7	324.3	375.7	427.1	440.0	477.8	528.2	553.3	457.5
100°	618.1	602.8	541.4	480.0	541.4	602.8	618.1	615.3	611.6	609.7	503.4
102.5°	770.0	756.9	704.3	651.7	704.3	756.9	770.0	721.9	657.7	625.7	517.9
105°	947.3	940.2	912.0	883.7	912.0	940.2	947.3	839.5	695.8	623.9	519.5
107.5°	1039.5	1041.2	1048.0	1054.9	1048.0	1041.2	1039.5	889.1	688.6	588.4	496.4
110°	1063.2	1070.5	1099.9	1129.3	1099.9	1070.5	1063.2	895.1	670.9	558.9	475.9



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1048.1	1059.3	1104.6	1149.7	1104.6	1059.3	1048.1	876.1	646.7	532.0	458.0
115°	996.9	1012.6	1075.2	1137.9	1075.2	1012.6	996.9	831.2	610.3	499.8	437.5
117.5°	926.3	943.7	1013.2	1082.7	1013.2	943.7	926.3	776.8	577.3	477.6	424.7
120°	878.7	895.6	963.1	1030.7	963.1	895.6	878.7	742.0	559.8	468.7	420.3
122.5°	831.1	847.8	914.4	981.0	914.4	847.8	831.1	708.1	544.0	461.9	418.0
125°	768.1	783.4	844.8	906.2	844.8	783.4	768.1	663.7	524.3	454.6	416.1
127.5°	717.6	730.5	782.3	834.1	782.3	730.5	717.6	627.8	508.2	448.4	415.1
130°	685.7	697.7	745.5	793.3	745.5	697.7	685.7	605.8	499.2	446.0	415.7
132.5°	658.5	669.2	712.0	754.9	712.0	669.2	658.5	587.0	491.7	444.0	416.1
135°	620.1	629.3	666.2	703.1	666.2	629.3	620.1	560.2	480.4	440.4	415.8
137.5°	591.7	599.2	629.5	659.7	629.5	599.2	591.7	541.0	473.5	439.8	418.2
140°	568.9	576.0	604.2	632.5	604.2	576.0	568.9	525.2	466.9	437.8	418.7
142.5°	553.0	559.1	583.4	607.6	583.4	559.1	553.0	514.5	463.4	437.8	420.3
145°	529.1	533.6	552.1	570.4	552.1	533.6	529.1	497.6	455.7	434.8	420.3
147.5°	509.0	512.8	528.0	543.2	528.0	512.8	509.0	484.2	451.2	434.8	423.1
150°	497.4	500.5	512.9	525.2	512.9	500.5	497.4	476.6	448.7	434.8	424.7
152.5°	488.2	490.5	499.9	509.3	499.9	490.5	488.2	470.4	446.6	434.8	425.6
155°	477.3	478.9	485.1	491.2	485.1	478.9	477.3	463.2	444.3	434.8	427.8
157.5°	467.9	468.9	473.3	477.6	473.3	468.9	467.9	456.9	442.2	434.8	430.0
160°	463.2	463.8	466.2	468.7	466.2	463.8	463.2	453.7	441.1	434.8	431.0
162.5°	458.7	459.3	461.7	464.0	461.7	459.3	458.7	450.8	440.1	434.8	432.0
165°	451.9	452.6	455.1	457.5	455.1	452.6	451.9	446.2	438.6	434.8	433.5
167.5°	448.9	449.2	450.3	451.3	450.3	449.2	448.9	445.2	440.2	437.8	436.7
170°	448.9	448.9	448.9	448.9	448.9	448.9	448.9	445.2	440.2	437.8	437.7
172.5°	446.5	446.4	445.4	444.5	445.4	446.4	446.5	443.6	439.7	437.8	437.8
175°	443.3	443.3	443.3	443.3	443.3	443.3	443.3	441.5	439.0	437.8	438.3
177.5°	442.7	442.4	441.5	440.4	441.5	442.4	442.7	441.3	439.3	438.3	438.8
180°	440.4	440.4	440.4	440.4	440.4	440.4	440.4	440.4	440.4	440.4	440.4



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2564.8	2564.8	2564.8	2564.8	2564.8
2.5°	2533.2	2545.4	2552.6	2562.4	2586.6
5°	2436.2	2482.3	2496.8	2533.2	2576.9
7.5°	2222.6	2363.3	2402.1	2489.5	2557.5
10°	2016.4	2157.1	2225.1	2431.3	2533.2
12.5°	1912.0	1994.5	2040.7	2329.4	2499.3
15°	1846.5	1904.7	1938.8	2193.5	2460.5
17.5°	1795.6	1836.9	1861.0	2060.1	2407.0
20°	1764.0	1783.4	1805.3	1963.0	2346.4
22.5°	1742.2	1730.1	1747.0	1895.1	2263.9
25°	1727.6	1681.5	1700.9	1841.6	2166.8
27.5°	1739.7	1637.8	1645.1	1793.2	2064.9
30°	1742.2	1584.5	1586.9	1742.2	1950.8
32.5°	1725.2	1528.6	1531.1	1679.1	1822.2
35°	1684.0	1463.2	1460.7	1606.3	1647.6
37.5°	1628.2	1392.8	1392.8	1526.3	1455.9
40°	1560.2	1322.4	1329.7	1421.9	1286.0
42.5°	1477.7	1247.2	1256.9	1283.6	1159.8
45°	1387.9	1174.4	1181.7	1084.6	1062.8
47.5°	1288.4	1099.2	1101.6	900.2	1031.2
50°	1169.6	1021.5	1011.8	771.6	1028.8
52.5°	1065.2	936.6	907.5	698.8	934.2
55°	963.3	846.8	783.7	643.0	866.2
57.5°	873.5	730.4	669.7	577.5	851.7
60°	791.0	616.3	570.3	507.2	781.3
62.5°	723.1	531.3	521.7	458.6	708.5
65°	650.3	473.1	470.7	417.4	601.8
67.5°	579.9	434.3	431.9	378.5	458.6
70°	504.7	393.1	388.2	337.3	339.7
72.5°	427.0	347.0	342.2	303.3	281.4
75°	349.4	293.6	291.2	264.5	228.1
77.5°	274.2	233.0	237.8	213.6	167.4
80°	196.6	169.9	174.7	152.9	126.2
82.5°	131.1	111.7	116.4	97.0	84.9
85°	72.8	63.1	65.5	51.0	38.8
87.5°	33.9	29.2	29.2	19.4	12.1
90°	13.0	8.3	7.7	5.4	3.0
92.5°	80.2	57.1	52.0	31.9	11.9
95°	197.3	111.1	101.9	65.1	28.4
97.5°	265.9	122.1	114.0	81.5	49.0
100°	290.7	131.3	123.9	94.5	65.0
102.5°	302.2	140.4	133.6	106.1	78.6
105°	310.6	154.0	148.2	124.9	101.7
107.5°	312.2	174.1	168.6	147.0	125.3
110°	309.8	185.3	180.4	160.8	141.3



TEST NUMBER: P934511

CATALOG NUMBER: SQ4-FA-050U-125D-830-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	309.9	198.9	194.3	175.6	157.0
115°	312.8	219.3	215.0	197.8	180.6
117.5°	318.6	239.1	235.2	219.6	203.9
120°	323.3	250.7	246.9	232.2	217.5
122.5°	330.1	264.2	260.5	245.7	230.9
125°	339.3	281.6	278.3	264.7	251.2
127.5°	348.5	298.6	295.1	281.4	267.8
130°	355.2	309.7	306.1	291.4	276.7
132.5°	360.6	318.9	315.3	300.6	285.8
135°	366.5	329.5	326.2	312.8	299.4
137.5°	375.3	343.1	339.8	326.6	313.3
140°	380.8	352.3	349.2	337.1	324.8
142.5°	385.3	359.1	356.2	344.9	333.6
145°	391.3	369.5	367.0	357.2	347.3
147.5°	399.9	382.5	380.1	370.4	360.9
150°	404.5	389.3	387.1	378.5	369.8
152.5°	407.4	393.7	392.1	385.5	378.9
155°	413.9	403.4	402.2	397.4	392.5
157.5°	420.4	413.2	412.0	407.3	402.6
160°	423.3	417.6	416.6	413.0	409.4
162.5°	426.5	422.4	421.7	418.9	416.1
165°	431.1	429.1	428.5	426.0	423.5
167.5°	434.6	433.0	432.7	431.4	430.3
170°	437.6	437.5	437.2	435.9	434.8
172.5°	437.8	437.8	437.7	437.5	437.2
175°	439.6	440.4	440.4	440.4	440.4
177.5°	439.8	440.4	440.4	440.4	440.4
180°	440.4	440.4	440.4	440.4	440.4



TEST NUMBER: P934511  
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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	16.07	17.15	16.84	17.94	18.89	18.90	19.97	19.66	20.76	21.71
	3H	16.57	17.53	17.34	18.33	19.31	20.26	21.22	21.04	22.02	23.00
	4H	16.77	17.68	17.56	18.48	19.48	20.71	21.62	21.51	22.43	23.42
	6H	16.90	17.74	17.71	18.55	19.56	21.00	21.84	21.81	22.66	23.67
	8H	16.91	17.71	17.72	18.54	19.55	21.08	21.88	21.90	22.72	23.73
	12H	16.88	17.65	17.71	18.47	19.51	21.13	21.89	21.95	22.72	23.76
4H	2H	17.13	18.04	17.93	18.85	19.84	19.33	20.24	20.13	21.05	22.04
	3H	18.18	18.94	18.99	19.78	20.79	20.86	21.62	21.67	22.45	23.47
	4H	18.46	19.15	19.29	19.99	21.03	21.39	22.08	22.22	22.92	23.96
	6H	18.60	19.20	19.44	20.06	21.10	21.77	22.37	22.61	23.23	24.27
	8H	18.61	19.17	19.46	20.03	21.08	21.88	22.44	22.73	23.29	24.35
	12H	18.59	19.09	19.45	19.97	21.03	21.95	22.45	22.81	23.33	24.39
8H	4H	18.93	19.49	19.78	20.35	21.40	21.53	22.09	22.38	22.95	24.01
	6H	19.20	19.66	20.08	20.56	21.62	21.98	22.44	22.85	23.34	24.40
	8H	19.25	19.66	20.13	20.55	21.63	22.13	22.54	23.02	23.44	24.51
	12H	19.24	19.60	20.13	20.49	21.62	22.24	22.60	23.13	23.48	24.61
12H	4H	18.95	19.45	19.81	20.33	21.39	21.51	22.01	22.38	22.89	23.95
	6H	19.26	19.67	20.15	20.57	21.64	21.98	22.39	22.86	23.28	24.36
	8H	19.34	19.70	20.23	20.59	21.72	22.15	22.51	23.04	23.39	24.52