

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: P934512

Luminaire Tested: SQ4-FA-050U-125D-830-1D-UNV-STD-W-8

Issue Date: 12/17/2024

**Test Information**

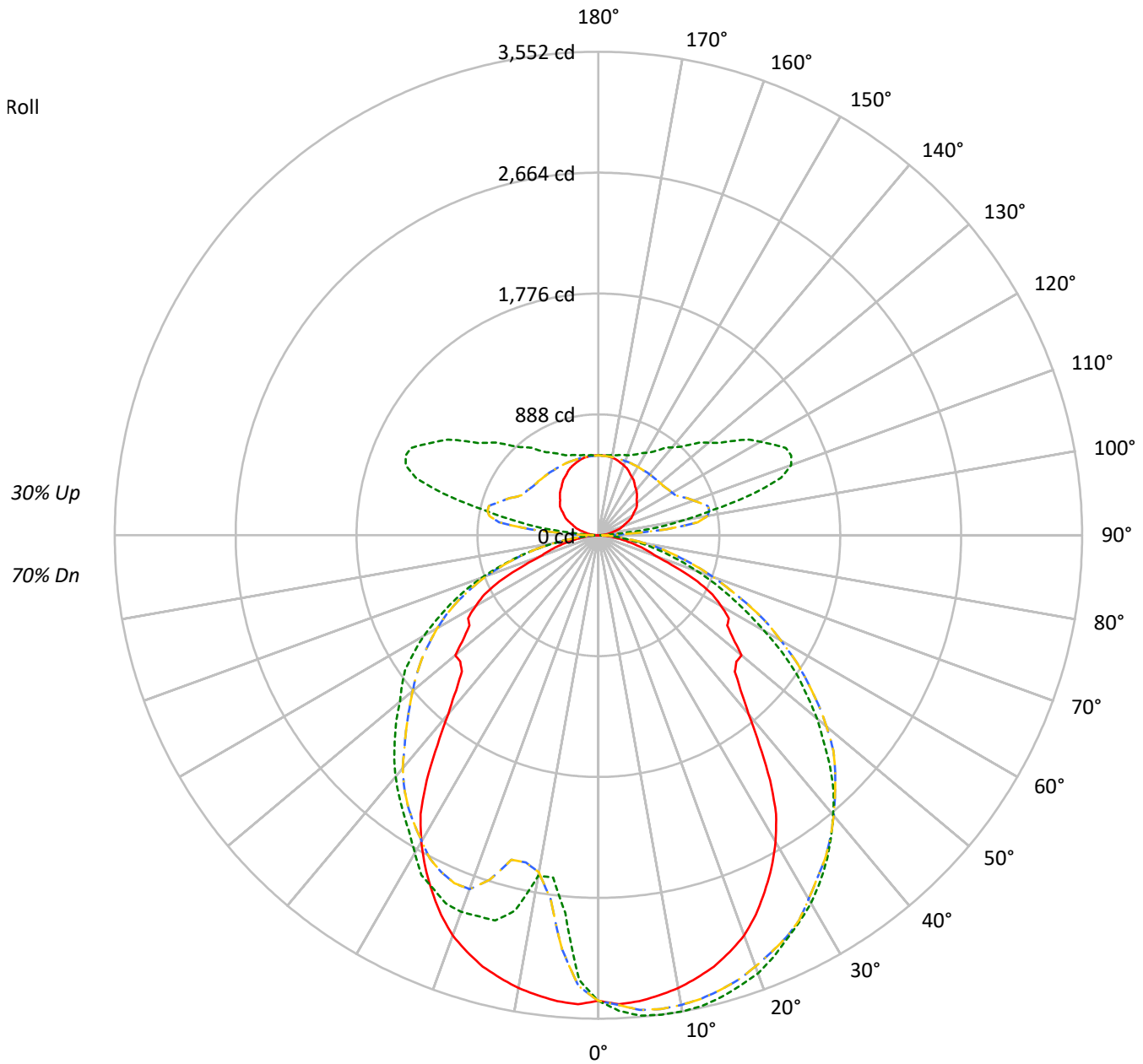
Test Method: LM-79-2019  
Report Number: P934512  
REPORT IS A COMBINATION OF REPORTS P933704 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-050U-125D-830-1D-UNV-STD-W-8  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12675.6 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: 8' x H: 0.1')  
CIE Type: Semi-Direct  
  
Input Watts (W): 112  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



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



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	74	74	74	70
1	102	98	94	90	97	93	89	86	83	80	78	74	72	70	66	65	63	63	63	63	59
2	93	86	79	74	88	81	76	71	73	68	65	65	62	59	58	56	53	53	53	53	50
3	85	75	68	62	80	71	65	59	64	59	54	58	53	50	52	48	45	45	45	45	42
4	78	67	58	52	73	63	56	50	57	51	46	51	47	43	46	42	39	39	39	39	36
5	72	60	51	45	67	57	49	43	51	45	40	46	41	37	41	37	34	34	34	34	31
6	66	53	45	39	62	51	43	38	46	40	35	42	36	32	38	33	30	30	30	30	27
7	61	48	40	34	58	46	39	33	42	36	31	38	33	29	34	30	27	27	27	27	24
8	57	44	36	30	54	42	35	29	38	32	28	35	29	26	31	27	24	24	24	24	22
9	53	40	32	27	50	38	31	26	35	29	25	32	27	23	29	25	21	21	21	21	19
10	49	37	30	25	47	35	28	24	32	26	22	30	25	21	27	23	19	19	19	19	18

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

	0°	90°	180°	270°
0°	15867	15867	15867	15867
5°	15985	16016	15985	12594
10°	15878	15777	15878	11280
15°	15706	15435	15706	12889
20°	15377	15030	15377	12916
25°	14705	14440	14705	12642
30°	13836	13949	13836	12041
35°	12335	13329	12335	11381
40°	10278	12599	10278	10882
45°	9183	11744	9183	10308
50°	9756	10725	9756	9732
55°	9179	9627	9179	9399
60°	9462	8176	9462	8608
65°	8579	6759	8579	7555
70°	5941	5386	5941	6333
75°	5208	3981	5208	4767
80°	4199	2632	4199	2867
85°	2408	1394	2408	1185

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 14075 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	308.7	2.4
10°-20°	876.5	6.9
20°-30°	1354.9	10.7
30°-40°	1617.4	12.8
40°-50°	1626.9	12.8
50°-60°	1415.6	11.2
60°-70°	1003.7	7.9
70°-80°	531.0	4.2
80°-90°	134.5	1.1
90°-100°	286.2	2.3
100°-110°	752.5	5.9
110°-120°	780.3	6.2
120°-130°	625.9	4.9
130°-140°	491.1	3.9
140°-150°	376.9	3.0
150°-160°	271.4	2.1
160°-170°	166.1	1.3
170°-180°	56.1	0.4
0°-30°	2540.0	20.0
0°-40°	4157.5	32.8
0°-60°	7200.0	56.8
0°-90°	8869.2	70.0
90°-120°	1819.0	14.4
90°-150°	3312.8	26.1
90°-180°	3806.0	30.0
0°-180°	12675.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3420	3420	3420	3420	3420	
5°	3436	3543	3436	2786	3436	326
15°	3281	3510	3281	2931	3281	923
25°	2889	3274	2889	2867	2889	1327
35°	2197	2922	2197	2494	2197	1359
45°	1417	2407	1417	2113	1417	1135
55°	1155	1776	1155	1734	1155	1061
65°	802	1071	802	1197	802	767
75°	304	508	304	608	304	320
85°	52	129	52	110	52	70
90°	4	15	4	15	4	5
95°	38	173	38	173	38	42
105°	136	1178	136	1178	136	144
115°	241	1517	241	1517	241	238
125°	335	1208	335	1208	335	297
135°	399	938	399	938	399	309
145°	463	761	463	761	463	290
155°	523	655	523	655	523	240
165°	565	610	565	610	565	159
175°	587	591	587	591	587	56
180°	587	587	587	587	587	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8
2.5°	3448.9	3448.9	3468.3	3474.8	3474.8	3465.1	3455.4	3465.1	3494.2	3503.9	3500.7
5°	3436.0	3461.9	3497.4	3503.9	3510.3	3507.2	3500.7	3507.2	3539.5	3546.0	3549.2
7.5°	3410.1	3458.6	3503.9	3513.6	3523.3	3513.6	3510.3	3516.8	3549.2	3555.7	3555.7
10°	3377.7	3445.7	3497.4	3503.9	3513.6	3503.9	3503.9	3516.8	3549.2	3555.7	3558.9
12.5°	3332.4	3426.2	3474.8	3481.3	3494.2	3490.9	3487.8	3500.7	3533.0	3539.5	3539.5
15°	3280.7	3390.6	3436.0	3442.5	3465.1	3458.6	3458.6	3471.5	3507.2	3516.8	3513.6
17.5°	3209.5	3345.3	3397.1	3406.8	3423.1	3419.8	3423.1	3436.0	3468.3	3474.8	3478.0
20°	3128.6	3283.9	3345.3	3355.1	3371.2	3371.2	3371.2	3387.4	3419.8	3432.7	3432.7
22.5°	3018.6	3219.2	3283.9	3290.4	3309.8	3309.8	3316.3	3338.9	3368.0	3371.2	3371.2
25°	2889.2	3148.0	3203.0	3222.4	3241.8	3251.5	3261.3	3274.2	3283.9	3280.7	3283.9
27.5°	2753.3	3057.4	3128.6	3141.5	3167.4	3177.2	3190.1	3193.3	3196.6	3206.2	3199.7
30°	2601.3	2931.3	3038.0	3051.0	3093.0	3099.4	3086.5	3093.0	3109.2	3115.7	3122.1
32.5°	2429.8	2743.6	2944.2	2973.4	3012.2	2992.8	2989.5	2999.2	3025.1	3025.1	3031.6
35°	2196.8	2598.0	2856.8	2882.7	2911.8	2889.2	2902.1	2905.4	2921.5	2931.3	2928.0
37.5°	1941.3	2471.8	2766.3	2785.7	2808.3	2779.2	2798.6	2808.3	2821.3	2814.8	2814.8
40°	1714.8	2274.4	2659.5	2672.4	2691.8	2669.2	2688.6	2695.1	2701.6	2695.1	2691.8
42.5°	1546.5	2057.7	2546.2	2562.4	2549.5	2565.6	2572.1	2585.0	2575.4	2562.4	2562.4
45°	1417.1	1999.5	2423.3	2442.7	2423.3	2449.2	2458.9	2458.9	2429.8	2423.3	2420.0
47.5°	1375.0	1882.9	2300.3	2300.3	2290.7	2323.0	2339.1	2316.5	2287.4	2277.7	2277.7
50°	1371.8	1753.6	2132.1	2119.2	2164.5	2203.3	2187.1	2164.5	2141.8	2106.3	2106.3
52.5°	1245.6	1595.0	1915.3	1963.9	2035.0	2057.7	2031.8	2009.1	1970.3	1954.2	1941.3
55°	1155.0	1430.1	1718.0	1815.1	1889.4	1918.6	1870.0	1847.4	1789.2	1779.5	1773.0
57.5°	1135.6	1190.6	1536.8	1659.7	1750.3	1747.1	1718.0	1676.0	1627.4	1617.6	1614.5
60°	1041.8	860.6	1342.7	1488.3	1582.1	1572.4	1546.5	1507.7	1462.4	1455.9	1449.5
62.5°	944.7	624.5	1122.6	1287.6	1420.3	1417.1	1394.4	1336.2	1303.9	1287.6	1274.7
65°	802.4	524.2	799.1	1070.9	1261.8	1268.2	1219.8	1177.7	1142.0	1122.6	1119.5
67.5°	611.5	427.0	540.3	893.0	1109.7	1103.2	1041.8	1022.3	977.1	967.4	948.0
70°	453.0	284.7	375.3	724.7	960.9	944.7	896.2	873.6	831.5	808.9	795.9
72.5°	375.3	229.7	275.0	563.0	808.9	789.5	747.4	721.5	685.9	666.5	653.5
75°	304.1	242.6	210.3	417.4	656.8	643.9	605.1	579.1	550.0	524.2	527.3
77.5°	223.2	226.5	168.3	307.4	520.9	501.5	478.9	446.5	433.5	407.6	407.6
80°	168.3	177.9	126.2	210.3	375.3	375.3	355.9	333.3	310.6	297.7	297.7
82.5°	113.2	113.2	93.8	132.7	255.6	245.9	233.0	226.5	213.6	207.1	207.1
85°	51.7	64.7	58.2	80.9	139.1	145.6	145.6	139.1	135.8	129.4	132.7
87.5°	16.2	29.2	35.6	45.3	71.2	74.4	77.6	77.6	77.6	80.9	80.9
90°	3.9	7.1	10.2	11.0	17.3	25.7	29.9	26.6	20.0	15.0	15.0
92.5°	15.8	42.5	69.4	76.1	107.0	148.1	168.6	147.8	106.1	74.9	71.9
95°	37.9	86.9	135.9	148.2	263.1	416.3	493.0	440.0	333.8	254.2	245.2
97.5°	65.4	108.6	151.9	162.7	354.4	609.9	737.7	704.2	637.1	586.8	569.6
100°	86.7	125.9	165.1	174.9	387.7	671.2	813.0	815.5	820.3	824.0	803.5
102.5°	104.9	141.5	178.0	187.2	402.9	690.5	834.3	877.0	962.5	1026.6	1009.1
105°	135.6	166.5	197.6	205.3	414.2	692.7	831.9	927.7	1119.4	1263.1	1253.6
107.5°	167.1	196.0	224.9	232.1	416.2	661.8	784.6	918.2	1185.5	1386.0	1388.3
110°	188.3	214.4	240.6	247.1	413.2	634.5	745.2	894.6	1193.4	1417.5	1427.3



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	209.3	234.1	259.0	265.2	413.3	610.7	709.4	862.2	1168.0	1397.4	1412.5
115°	240.8	263.8	286.7	292.4	417.1	583.4	666.4	813.7	1108.3	1329.2	1350.1
117.5°	271.9	292.7	313.6	318.8	424.8	566.1	636.8	769.8	1035.6	1235.1	1258.2
120°	290.1	309.6	329.3	334.2	431.2	560.4	625.0	746.4	989.4	1171.6	1194.0
122.5°	307.7	327.5	347.3	352.3	440.1	557.3	616.0	725.3	944.1	1108.2	1130.4
125°	335.0	353.0	371.0	375.5	452.4	554.9	606.1	699.0	884.9	1024.3	1044.7
127.5°	357.1	375.2	393.4	398.0	464.6	553.4	597.8	677.6	837.2	956.9	974.1
130°	368.8	388.4	408.1	413.0	473.5	554.3	594.6	665.7	807.7	914.2	930.2
132.5°	381.1	400.7	420.4	425.2	480.8	554.9	592.0	655.5	782.7	878.0	892.2
135°	399.2	417.1	434.9	439.4	488.6	554.3	587.2	640.4	746.9	826.7	839.1
137.5°	417.8	435.5	453.1	457.5	500.5	557.7	586.4	631.4	721.5	789.0	799.0
140°	433.1	449.4	465.7	469.8	507.7	558.3	583.6	622.5	700.3	758.6	768.0
142.5°	444.9	459.9	475.0	478.8	513.8	560.3	583.6	617.8	686.1	737.4	745.5
145°	463.1	476.2	489.4	492.6	521.7	560.4	579.7	607.6	663.6	705.4	711.6
147.5°	481.2	494.0	506.8	509.9	533.2	564.2	579.7	601.7	645.6	678.6	683.6
150°	493.0	504.6	516.1	519.0	539.3	566.2	579.7	598.3	635.5	663.3	667.4
152.5°	505.2	514.0	522.7	524.9	543.2	567.6	579.7	595.6	627.2	651.0	654.2
155°	523.3	529.8	536.3	537.9	551.9	570.4	579.7	592.3	617.5	636.4	638.5
157.5°	536.7	543.0	549.3	550.9	560.5	573.3	579.7	589.5	609.1	623.8	625.2
160°	545.8	550.8	555.6	556.9	564.5	574.7	579.7	588.1	604.9	617.5	618.3
162.5°	554.9	558.6	562.2	563.2	568.7	576.1	579.7	586.8	601.0	611.6	612.4
165°	564.7	568.1	571.3	572.2	574.7	578.0	579.7	584.8	594.9	602.6	603.4
167.5°	573.8	575.3	576.9	577.3	579.4	582.2	583.6	587.0	593.7	598.6	599.0
170°	579.7	581.2	582.9	583.3	583.4	583.5	583.6	587.0	593.7	598.6	598.6
172.5°	582.9	583.3	583.5	583.6	583.6	583.6	583.6	586.3	591.6	595.5	595.2
175°	587.2	587.2	587.2	587.2	586.0	584.4	583.6	585.3	588.6	591.1	591.1
177.5°	587.2	587.2	587.2	587.2	586.2	585.0	584.4	585.7	588.3	590.3	589.9
180°	587.2	587.2	587.2	587.2	587.2	587.2	587.2	587.2	587.2	587.2	587.2



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8
2.5°	3507.2	3497.4	3507.2	3500.7	3503.9	3494.2	3465.1	3455.4	3465.1	3474.8	3474.8
5°	3549.2	3542.7	3549.2	3549.2	3546.0	3539.5	3507.2	3500.7	3507.2	3510.3	3503.9
7.5°	3562.2	3552.4	3562.2	3555.7	3555.7	3549.2	3516.8	3510.3	3513.6	3523.3	3513.6
10°	3562.2	3552.4	3562.2	3558.9	3555.7	3549.2	3516.8	3503.9	3503.9	3513.6	3503.9
12.5°	3546.0	3539.5	3546.0	3539.5	3539.5	3533.0	3500.7	3487.8	3490.9	3494.2	3481.3
15°	3520.1	3510.3	3520.1	3513.6	3516.8	3507.2	3471.5	3458.6	3458.6	3465.1	3442.5
17.5°	3481.3	3468.3	3481.3	3478.0	3474.8	3468.3	3436.0	3423.1	3419.8	3423.1	3406.8
20°	3436.0	3426.2	3436.0	3432.7	3432.7	3419.8	3387.4	3371.2	3371.2	3371.2	3355.1
22.5°	3364.7	3355.1	3364.7	3371.2	3371.2	3368.0	3338.9	3316.3	3309.8	3309.8	3290.4
25°	3283.9	3274.2	3283.9	3283.9	3280.7	3283.9	3274.2	3261.3	3251.5	3241.8	3222.4
27.5°	3206.2	3199.7	3206.2	3199.7	3206.2	3196.6	3193.3	3190.1	3177.2	3167.4	3141.5
30°	3128.6	3122.1	3128.6	3122.1	3115.7	3109.2	3093.0	3086.5	3099.4	3093.0	3051.0
32.5°	3031.6	3025.1	3031.6	3031.6	3025.1	3025.1	2999.2	2989.5	2992.8	3012.2	2973.4
35°	2931.3	2921.5	2931.3	2928.0	2931.3	2921.5	2905.4	2902.1	2889.2	2911.8	2882.7
37.5°	2814.8	2805.1	2814.8	2814.8	2814.8	2821.3	2808.3	2798.6	2779.2	2808.3	2785.7
40°	2695.1	2682.2	2695.1	2691.8	2695.1	2701.6	2695.1	2688.6	2669.2	2691.8	2672.4
42.5°	2559.2	2556.0	2559.2	2562.4	2562.4	2575.4	2585.0	2572.1	2565.6	2549.5	2562.4
45°	2413.6	2407.1	2413.6	2420.0	2423.3	2429.8	2458.9	2458.9	2449.2	2423.3	2442.7
47.5°	2258.3	2242.1	2258.3	2277.7	2277.7	2287.4	2316.5	2339.1	2323.0	2290.7	2300.3
50°	2093.3	2096.5	2093.3	2106.3	2106.3	2141.8	2164.5	2187.1	2203.3	2164.5	2119.2
52.5°	1931.5	1928.3	1931.5	1941.3	1954.2	1970.3	2009.1	2031.8	2057.7	2035.0	1963.9
55°	1769.7	1776.2	1769.7	1773.0	1779.5	1789.2	1847.4	1870.0	1918.6	1889.4	1815.1
57.5°	1608.0	1598.2	1608.0	1614.5	1617.6	1627.4	1676.0	1718.0	1747.1	1750.3	1659.7
60°	1420.3	1407.4	1420.3	1449.5	1455.9	1462.4	1507.7	1546.5	1572.4	1582.1	1488.3
62.5°	1255.3	1232.7	1255.3	1274.7	1287.6	1303.9	1336.2	1394.4	1417.1	1420.3	1287.6
65°	1080.6	1070.9	1080.6	1119.5	1122.6	1142.0	1177.7	1219.8	1268.2	1261.8	1070.9
67.5°	922.1	922.1	922.1	948.0	967.4	977.1	1022.3	1041.8	1103.2	1109.7	893.0
70°	776.5	773.2	776.5	795.9	808.9	831.5	873.6	896.2	944.7	960.9	724.7
72.5°	637.4	634.1	637.4	653.5	666.5	685.9	721.5	747.4	789.5	808.9	563.0
75°	514.4	507.9	514.4	527.3	524.2	550.0	579.1	605.1	643.9	656.8	417.4
77.5°	394.7	394.7	394.7	407.6	407.6	433.5	446.5	478.9	501.5	520.9	307.4
80°	294.4	291.2	294.4	297.7	297.7	310.6	333.3	355.9	375.3	375.3	210.3
82.5°	207.1	200.6	207.1	207.1	207.1	213.6	226.5	233.0	245.9	255.6	132.7
85°	129.4	129.4	129.4	132.7	129.4	135.8	139.1	145.6	145.6	139.1	80.9
87.5°	84.1	80.9	84.1	80.9	80.9	77.6	77.6	77.6	74.4	71.2	45.3
90°	15.0	15.0	15.0	15.0	15.0	20.0	26.6	29.9	25.7	17.3	11.0
92.5°	59.9	48.1	59.9	71.9	74.9	106.1	147.8	168.6	148.1	107.0	76.1
95°	209.1	173.0	209.1	245.2	254.2	333.8	440.0	493.0	416.3	263.1	148.2
97.5°	500.9	432.3	500.9	569.6	586.8	637.1	704.2	737.7	609.9	354.4	162.7
100°	721.8	639.9	721.8	803.5	824.0	820.3	815.5	813.0	671.2	387.7	174.9
102.5°	939.0	868.9	939.0	1009.1	1026.6	962.5	877.0	834.3	690.5	402.9	187.2
105°	1215.9	1178.3	1215.9	1253.6	1263.1	1119.4	927.7	831.9	692.7	414.2	205.3
107.5°	1397.4	1406.5	1397.4	1388.3	1386.0	1185.5	918.2	784.6	661.8	416.2	232.1
110°	1466.5	1505.8	1466.5	1427.3	1417.5	1193.4	894.6	745.2	634.5	413.2	247.1





TEST NUMBER: P934512

CATALOG NUMBER: SQ4-FA-050U-125D-830-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1472.7	1532.9	1472.7	1412.5	1397.4	1168.0	862.2	709.4	610.7	413.3	265.2
115°	1433.6	1517.2	1433.6	1350.1	1329.2	1108.3	813.7	666.4	583.4	417.1	292.4
117.5°	1350.9	1443.6	1350.9	1258.2	1235.1	1035.6	769.8	636.8	566.1	424.8	318.8
120°	1284.1	1374.2	1284.1	1194.0	1171.6	989.4	746.4	625.0	560.4	431.2	334.2
122.5°	1219.2	1308.0	1219.2	1130.4	1108.2	944.1	725.3	616.0	557.3	440.1	352.3
125°	1126.5	1208.3	1126.5	1044.7	1024.3	884.9	699.0	606.1	554.9	452.4	375.5
127.5°	1043.1	1112.1	1043.1	974.1	956.9	837.2	677.6	597.8	553.4	464.6	398.0
130°	994.0	1057.7	994.0	930.2	914.2	807.7	665.7	594.6	554.3	473.5	413.0
132.5°	949.4	1006.5	949.4	892.2	878.0	782.7	655.5	592.0	554.9	480.8	425.2
135°	888.3	937.5	888.3	839.1	826.7	746.9	640.4	587.2	554.3	488.6	439.4
137.5°	839.4	879.6	839.4	799.0	789.0	721.5	631.4	586.4	557.7	500.5	457.5
140°	805.6	843.3	805.6	768.0	758.6	700.3	622.5	583.6	558.3	507.7	469.8
142.5°	777.8	810.2	777.8	745.5	737.4	686.1	617.8	583.6	560.3	513.8	478.8
145°	736.1	760.6	736.1	711.6	705.4	663.6	607.6	579.7	560.4	521.7	492.6
147.5°	704.0	724.4	704.0	683.6	678.6	645.6	601.7	579.7	564.2	533.2	509.9
150°	683.8	700.3	683.8	667.4	663.3	635.5	598.3	579.7	566.2	539.3	519.0
152.5°	666.6	679.0	666.6	654.2	651.0	627.2	595.6	579.7	567.6	543.2	524.9
155°	646.7	655.0	646.7	638.5	636.4	617.5	592.3	579.7	570.4	551.9	537.9
157.5°	631.1	636.8	631.1	625.2	623.8	609.1	589.5	579.7	573.3	560.5	550.9
160°	621.7	625.0	621.7	618.3	617.5	604.9	588.1	579.7	574.7	564.5	556.9
162.5°	615.6	618.7	615.6	612.4	611.6	601.0	586.8	579.7	576.1	568.7	563.2
165°	606.7	610.0	606.7	603.4	602.6	594.9	584.8	579.7	578.0	574.7	572.2
167.5°	600.4	601.8	600.4	599.0	598.6	593.7	587.0	583.6	582.2	579.4	577.3
170°	598.6	598.6	598.6	598.6	598.6	593.7	587.0	583.6	583.5	583.4	583.3
172.5°	594.0	592.7	594.0	595.2	595.5	591.6	586.3	583.6	583.6	583.6	583.6
175°	591.1	591.1	591.1	591.1	591.1	588.6	585.3	583.6	584.4	586.0	587.2
177.5°	588.6	587.2	588.6	589.9	590.3	588.3	585.7	584.4	585.0	586.2	587.2
180°	587.2	587.2	587.2	587.2	587.2	587.2	587.2	587.2	587.2	587.2	587.2



TEST NUMBER: P934512

CATALOG NUMBER: SQ4-FA-050U-125D-830-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8
2.5°	3468.3	3448.9	3448.9	3416.6	3403.6	3393.9	3377.7	3329.2	3316.3	3303.3	3322.8
5°	3497.4	3461.9	3436.0	3377.7	3329.2	3309.8	3248.3	3131.9	3054.2	2995.9	2963.6
7.5°	3503.9	3458.6	3410.1	3319.5	3203.0	3151.3	2963.6	2750.0	2691.8	2640.1	2607.7
10°	3497.4	3445.7	3377.7	3241.8	2966.9	2876.2	2688.6	2549.5	2513.9	2504.1	2513.9
12.5°	3474.8	3426.2	3332.4	3105.9	2721.0	2659.5	2549.5	2468.6	2462.1	2478.3	2565.6
15°	3436.0	3390.6	3280.7	2924.8	2585.0	2539.8	2462.1	2433.0	2468.6	2581.9	2843.9
17.5°	3397.1	3345.3	3209.5	2746.9	2481.5	2449.2	2394.2	2452.4	2653.0	2805.1	2892.4
20°	3345.3	3283.9	3128.6	2617.4	2407.1	2378.0	2352.1	2614.2	2766.3	2821.3	2869.8
22.5°	3283.9	3219.2	3018.6	2526.8	2329.5	2306.8	2323.0	2704.8	2766.3	2805.1	2847.2
25°	3203.0	3148.0	2889.2	2455.7	2268.0	2242.1	2303.6	2695.1	2730.6	2740.4	2824.5
27.5°	3128.6	3057.4	2753.3	2391.0	2193.5	2183.9	2319.7	2653.0	2678.9	2688.6	2779.2
30°	3038.0	2931.3	2601.3	2323.0	2115.9	2112.7	2323.0	2601.3	2594.8	2620.7	2711.2
32.5°	2944.2	2743.6	2429.8	2238.9	2041.5	2038.3	2300.3	2523.6	2517.1	2552.7	2620.7
35°	2856.8	2598.0	2196.8	2141.8	1947.7	1950.9	2245.4	2433.0	2436.3	2468.6	2510.6
37.5°	2766.3	2471.8	1941.3	2035.0	1857.1	1857.1	2170.9	2348.9	2342.4	2352.1	2410.4
40°	2659.5	2274.4	1714.8	1895.9	1773.0	1763.2	2080.4	2258.3	2235.6	2232.5	2313.3
42.5°	2546.2	2057.7	1546.5	1711.5	1676.0	1663.0	1970.3	2148.3	2106.3	2115.9	2219.4
45°	2423.3	1999.5	1417.1	1446.2	1575.6	1565.9	1850.6	2022.1	1993.0	2018.9	2125.7
47.5°	2300.3	1882.9	1375.0	1200.4	1468.9	1465.6	1718.0	1899.2	1882.9	1908.8	2022.1
50°	2132.1	1753.6	1371.8	1028.8	1349.1	1362.1	1559.4	1779.5	1779.5	1802.1	1921.8
52.5°	1915.3	1595.0	1245.6	931.8	1210.0	1248.8	1420.3	1676.0	1682.4	1705.0	1811.8
55°	1718.0	1430.1	1155.0	857.3	1045.0	1129.1	1284.5	1569.2	1582.1	1604.7	1701.8
57.5°	1536.8	1190.6	1135.6	770.1	893.0	973.9	1164.7	1465.6	1472.0	1491.6	1585.3
60°	1342.7	860.6	1041.8	676.2	760.3	821.8	1054.8	1342.7	1365.4	1378.3	1459.1
62.5°	1122.6	624.5	944.7	611.5	695.6	708.6	964.1	1226.2	1255.3	1265.1	1313.5
65°	799.1	524.2	802.4	556.5	627.6	630.9	867.1	1106.5	1132.4	1148.5	1184.1
67.5°	540.3	427.0	611.5	504.7	575.9	579.1	773.2	967.4	1002.9	1015.9	1038.6
70°	375.3	284.7	453.0	449.7	517.7	524.2	672.9	841.2	873.6	883.2	896.2
72.5°	275.0	229.7	375.3	404.4	456.2	462.7	569.4	698.8	731.1	740.9	747.4
75°	210.3	242.6	304.1	352.7	388.2	391.5	465.9	569.4	592.1	598.6	601.8
77.5°	168.3	226.5	223.2	284.7	317.1	310.6	365.6	440.0	459.5	459.5	459.5
80°	126.2	177.9	168.3	203.8	233.0	226.5	262.0	313.9	320.3	326.8	323.5
82.5°	93.8	113.2	113.2	129.4	155.3	148.8	174.8	203.8	203.8	203.8	210.3
85°	58.2	64.7	51.7	68.0	87.4	84.1	97.0	110.0	113.2	113.2	106.8
87.5°	35.6	29.2	16.2	25.9	38.8	38.8	45.3	48.6	45.3	45.3	45.3
90°	10.2	7.1	3.9	7.1	10.2	11.0	17.3	25.7	29.9	26.6	20.0
92.5°	69.4	42.5	15.8	42.5	69.4	76.1	107.0	148.1	168.6	147.8	106.1
95°	135.9	86.9	37.9	86.9	135.9	148.2	263.1	416.3	493.0	440.0	333.8
97.5°	151.9	108.6	65.4	108.6	151.9	162.7	354.4	609.9	737.7	704.2	637.1
100°	165.1	125.9	86.7	125.9	165.1	174.9	387.7	671.2	813.0	815.5	820.3
102.5°	178.0	141.5	104.9	141.5	178.0	187.2	402.9	690.5	834.3	877.0	962.5
105°	197.6	166.5	135.6	166.5	197.6	205.3	414.2	692.7	831.9	927.7	1119.4
107.5°	224.9	196.0	167.1	196.0	224.9	232.1	416.2	661.8	784.6	918.2	1185.5
110°	240.6	214.4	188.3	214.4	240.6	247.1	413.2	634.5	745.2	894.6	1193.4



TEST NUMBER: P934512

CATALOG NUMBER: SQ4-FA-050U-125D-830-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	259.0	234.1	209.3	234.1	259.0	265.2	413.3	610.7	709.4	862.2	1168.0
115°	286.7	263.8	240.8	263.8	286.7	292.4	417.1	583.4	666.4	813.7	1108.3
117.5°	313.6	292.7	271.9	292.7	313.6	318.8	424.8	566.1	636.8	769.8	1035.6
120°	329.3	309.6	290.1	309.6	329.3	334.2	431.2	560.4	625.0	746.4	989.4
122.5°	347.3	327.5	307.7	327.5	347.3	352.3	440.1	557.3	616.0	725.3	944.1
125°	371.0	353.0	335.0	353.0	371.0	375.5	452.4	554.9	606.1	699.0	884.9
127.5°	393.4	375.2	357.1	375.2	393.4	398.0	464.6	553.4	597.8	677.6	837.2
130°	408.1	388.4	368.8	388.4	408.1	413.0	473.5	554.3	594.6	665.7	807.7
132.5°	420.4	400.7	381.1	400.7	420.4	425.2	480.8	554.9	592.0	655.5	782.7
135°	434.9	417.1	399.2	417.1	434.9	439.4	488.6	554.3	587.2	640.4	746.9
137.5°	453.1	435.5	417.8	435.5	453.1	457.5	500.5	557.7	586.4	631.4	721.5
140°	465.7	449.4	433.1	449.4	465.7	469.8	507.7	558.3	583.6	622.5	700.3
142.5°	475.0	459.9	444.9	459.9	475.0	478.8	513.8	560.3	583.6	617.8	686.1
145°	489.4	476.2	463.1	476.2	489.4	492.6	521.7	560.4	579.7	607.6	663.6
147.5°	506.8	494.0	481.2	494.0	506.8	509.9	533.2	564.2	579.7	601.7	645.6
150°	516.1	504.6	493.0	504.6	516.1	519.0	539.3	566.2	579.7	598.3	635.5
152.5°	522.7	514.0	505.2	514.0	522.7	524.9	543.2	567.6	579.7	595.6	627.2
155°	536.3	529.8	523.3	529.8	536.3	537.9	551.9	570.4	579.7	592.3	617.5
157.5°	549.3	543.0	536.7	543.0	549.3	550.9	560.5	573.3	579.7	589.5	609.1
160°	555.6	550.8	545.8	550.8	555.6	556.9	564.5	574.7	579.7	588.1	604.9
162.5°	562.2	558.6	554.9	558.6	562.2	563.2	568.7	576.1	579.7	586.8	601.0
165°	571.3	568.1	564.7	568.1	571.3	572.2	574.7	578.0	579.7	584.8	594.9
167.5°	576.9	575.3	573.8	575.3	576.9	577.3	579.4	582.2	583.6	587.0	593.7
170°	582.9	581.2	579.7	581.2	582.9	583.3	583.4	583.5	583.6	587.0	593.7
172.5°	583.5	583.3	582.9	583.3	583.5	583.6	583.6	583.6	583.6	586.3	591.6
175°	587.2	587.2	587.2	587.2	587.2	587.2	586.0	584.4	583.6	585.3	588.6
177.5°	587.2	587.2	587.2	587.2	587.2	587.2	586.2	585.0	584.4	585.7	588.3
180°	587.2	587.2	587.2	587.2	587.2	587.2	587.2	587.2	587.2	587.2	587.2



TEST NUMBER: P934512  
 CATALOG NUMBER: SQ4-FA-050U-125D-830-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8
2.5°	3300.1	3290.4	3303.3	3267.7	3303.3	3290.4	3300.1	3322.8	3303.3	3316.3	3329.2
5°	2895.6	2879.5	2827.8	2785.7	2827.8	2879.5	2895.6	2963.6	2995.9	3054.2	3131.9
7.5°	2588.3	2575.4	2562.4	2536.6	2562.4	2575.4	2588.3	2607.7	2640.1	2691.8	2750.0
10°	2520.4	2523.6	2543.0	2539.8	2543.0	2523.6	2520.4	2513.9	2504.1	2513.9	2549.5
12.5°	2695.1	2724.2	2830.9	2824.5	2830.9	2724.2	2695.1	2565.6	2478.3	2462.1	2468.6
15°	2895.6	2905.4	2928.0	2931.3	2928.0	2905.4	2895.6	2843.9	2581.9	2468.6	2433.0
17.5°	2915.0	2918.3	2934.4	2934.4	2934.4	2918.3	2915.0	2892.4	2805.1	2653.0	2452.4
20°	2898.9	2905.4	2937.7	2944.2	2937.7	2905.4	2898.9	2869.8	2821.3	2766.3	2614.2
22.5°	2892.4	2905.4	2931.3	2928.0	2931.3	2905.4	2892.4	2847.2	2805.1	2766.3	2704.8
25°	2860.1	2860.1	2863.3	2866.6	2863.3	2860.1	2860.1	2824.5	2740.4	2730.6	2695.1
27.5°	2792.1	2798.6	2818.0	2814.8	2818.0	2798.6	2792.1	2779.2	2688.6	2678.9	2653.0
30°	2730.6	2724.2	2708.0	2695.1	2708.0	2724.2	2730.6	2711.2	2620.7	2594.8	2601.3
32.5°	2627.1	2610.9	2594.8	2585.0	2594.8	2610.9	2627.1	2620.7	2552.7	2517.1	2523.6
35°	2504.1	2507.4	2504.1	2494.5	2504.1	2507.4	2504.1	2510.6	2468.6	2436.3	2433.0
37.5°	2416.9	2423.3	2420.0	2407.1	2420.0	2423.3	2416.9	2410.4	2352.1	2342.4	2348.9
40°	2326.2	2329.5	2326.2	2316.5	2326.2	2329.5	2326.2	2313.3	2232.5	2235.6	2258.3
42.5°	2238.9	2235.6	2226.0	2219.4	2226.0	2235.6	2238.9	2219.4	2115.9	2106.3	2148.3
45°	2138.6	2141.8	2122.4	2112.7	2122.4	2141.8	2138.6	2125.7	2018.9	1993.0	2022.1
47.5°	2038.3	2038.3	2022.1	2012.4	2022.1	2038.3	2038.3	2022.1	1908.8	1882.9	1899.2
50°	1931.5	1928.3	1905.6	1902.4	1905.6	1928.3	1931.5	1921.8	1802.1	1779.5	1779.5
52.5°	1808.6	1808.6	1811.8	1818.3	1811.8	1808.6	1808.6	1811.8	1705.0	1682.4	1676.0
55°	1701.8	1705.0	1727.7	1734.2	1727.7	1705.0	1701.8	1701.8	1604.7	1582.1	1569.2
57.5°	1591.8	1591.8	1608.0	1608.0	1608.0	1591.8	1591.8	1585.3	1491.6	1472.0	1465.6
60°	1465.6	1472.0	1485.1	1481.8	1485.1	1472.0	1465.6	1459.1	1378.3	1365.4	1342.7
62.5°	1333.0	1339.5	1342.7	1336.2	1342.7	1339.5	1333.0	1313.5	1265.1	1255.3	1226.2
65°	1193.9	1200.4	1203.6	1197.1	1203.6	1200.4	1193.9	1184.1	1148.5	1132.4	1106.5
67.5°	1051.5	1048.3	1045.0	1058.0	1045.0	1048.3	1051.5	1038.6	1015.9	1002.9	967.4
70°	905.9	905.9	902.7	909.2	902.7	905.9	905.9	896.2	883.2	873.6	841.2
72.5°	750.7	747.4	760.3	750.7	760.3	747.4	750.7	747.4	740.9	731.1	698.8
75°	598.6	605.1	598.6	608.2	598.6	605.1	598.6	601.8	598.6	592.1	569.4
77.5°	456.2	462.7	456.2	456.2	456.2	462.7	456.2	459.5	459.5	459.5	440.0
80°	323.5	320.3	320.3	317.1	320.3	320.3	323.5	323.5	326.8	320.3	313.9
82.5°	207.1	203.8	203.8	210.3	203.8	203.8	207.1	210.3	203.8	203.8	203.8
85°	113.2	116.4	110.0	110.0	110.0	116.4	113.2	106.8	113.2	113.2	110.0
87.5°	42.1	38.8	38.8	38.8	38.8	38.8	42.1	45.3	45.3	45.3	48.6
90°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	20.0	26.6	29.9	25.7
92.5°	74.9	71.9	59.9	48.1	59.9	71.9	74.9	106.1	147.8	168.6	148.1
95°	254.2	245.2	209.1	173.0	209.1	245.2	254.2	333.8	440.0	493.0	416.3
97.5°	586.8	569.6	500.9	432.3	500.9	569.6	586.8	637.1	704.2	737.7	609.9
100°	824.0	803.5	721.8	639.9	721.8	803.5	824.0	820.3	815.5	813.0	671.2
102.5°	1026.6	1009.1	939.0	868.9	939.0	1009.1	1026.6	962.5	877.0	834.3	690.5
105°	1263.1	1253.6	1215.9	1178.3	1215.9	1253.6	1263.1	1119.4	927.7	831.9	692.7
107.5°	1386.0	1388.3	1397.4	1406.5	1397.4	1388.3	1386.0	1185.5	918.2	784.6	661.8
110°	1417.5	1427.3	1466.5	1505.8	1466.5	1427.3	1417.5	1193.4	894.6	745.2	634.5



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1397.4	1412.5	1472.7	1532.9	1472.7	1412.5	1397.4	1168.0	862.2	709.4	610.7
115°	1329.2	1350.1	1433.6	1517.2	1433.6	1350.1	1329.2	1108.3	813.7	666.4	583.4
117.5°	1235.1	1258.2	1350.9	1443.6	1350.9	1258.2	1235.1	1035.6	769.8	636.8	566.1
120°	1171.6	1194.0	1284.1	1374.2	1284.1	1194.0	1171.6	989.4	746.4	625.0	560.4
122.5°	1108.2	1130.4	1219.2	1308.0	1219.2	1130.4	1108.2	944.1	725.3	616.0	557.3
125°	1024.3	1044.7	1126.5	1208.3	1126.5	1044.7	1024.3	884.9	699.0	606.1	554.9
127.5°	956.9	974.1	1043.1	1112.1	1043.1	974.1	956.9	837.2	677.6	597.8	553.4
130°	914.2	930.2	994.0	1057.7	994.0	930.2	914.2	807.7	665.7	594.6	554.3
132.5°	878.0	892.2	949.4	1006.5	949.4	892.2	878.0	782.7	655.5	592.0	554.9
135°	826.7	839.1	888.3	937.5	888.3	839.1	826.7	746.9	640.4	587.2	554.3
137.5°	789.0	799.0	839.4	879.6	839.4	799.0	789.0	721.5	631.4	586.4	557.7
140°	758.6	768.0	805.6	843.3	805.6	768.0	758.6	700.3	622.5	583.6	558.3
142.5°	737.4	745.5	777.8	810.2	777.8	745.5	737.4	686.1	617.8	583.6	560.3
145°	705.4	711.6	736.1	760.6	736.1	711.6	705.4	663.6	607.6	579.7	560.4
147.5°	678.6	683.6	704.0	724.4	704.0	683.6	678.6	645.6	601.7	579.7	564.2
150°	663.3	667.4	683.8	700.3	683.8	667.4	663.3	635.5	598.3	579.7	566.2
152.5°	651.0	654.2	666.6	679.0	666.6	654.2	651.0	627.2	595.6	579.7	567.6
155°	636.4	638.5	646.7	655.0	646.7	638.5	636.4	617.5	592.3	579.7	570.4
157.5°	623.8	625.2	631.1	636.8	631.1	625.2	623.8	609.1	589.5	579.7	573.3
160°	617.5	618.3	621.7	625.0	621.7	618.3	617.5	604.9	588.1	579.7	574.7
162.5°	611.6	612.4	615.6	618.7	615.6	612.4	611.6	601.0	586.8	579.7	576.1
165°	602.6	603.4	606.7	610.0	606.7	603.4	602.6	594.9	584.8	579.7	578.0
167.5°	598.6	599.0	600.4	601.8	600.4	599.0	598.6	593.7	587.0	583.6	582.2
170°	598.6	598.6	598.6	598.6	598.6	598.6	598.6	593.7	587.0	583.6	583.5
172.5°	595.5	595.2	594.0	592.7	594.0	595.2	595.5	591.6	586.3	583.6	583.6
175°	591.1	591.1	591.1	591.1	591.1	591.1	591.1	588.6	585.3	583.6	584.4
177.5°	590.3	589.9	588.6	587.2	588.6	589.9	590.3	588.3	585.7	584.4	585.0
180°	587.2	587.2	587.2	587.2	587.2	587.2	587.2	587.2	587.2	587.2	587.2



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3419.8	3419.8	3419.8	3419.8	3419.8
2.5°	3377.7	3393.9	3403.6	3416.6	3448.9
5°	3248.3	3309.8	3329.2	3377.7	3436.0
7.5°	2963.6	3151.3	3203.0	3319.5	3410.1
10°	2688.6	2876.2	2966.9	3241.8	3377.7
12.5°	2549.5	2659.5	2721.0	3105.9	3332.4
15°	2462.1	2539.8	2585.0	2924.8	3280.7
17.5°	2394.2	2449.2	2481.5	2746.9	3209.5
20°	2352.1	2378.0	2407.1	2617.4	3128.6
22.5°	2323.0	2306.8	2329.5	2526.8	3018.6
25°	2303.6	2242.1	2268.0	2455.7	2889.2
27.5°	2319.7	2183.9	2193.5	2391.0	2753.3
30°	2323.0	2112.7	2115.9	2323.0	2601.3
32.5°	2300.3	2038.3	2041.5	2238.9	2429.8
35°	2245.4	1950.9	1947.7	2141.8	2196.8
37.5°	2170.9	1857.1	1857.1	2035.0	1941.3
40°	2080.4	1763.2	1773.0	1895.9	1714.8
42.5°	1970.3	1663.0	1676.0	1711.5	1546.5
45°	1850.6	1565.9	1575.6	1446.2	1417.1
47.5°	1718.0	1465.6	1468.9	1200.4	1375.0
50°	1559.4	1362.1	1349.1	1028.8	1371.8
52.5°	1420.3	1248.8	1210.0	931.8	1245.6
55°	1284.5	1129.1	1045.0	857.3	1155.0
57.5°	1164.7	973.9	893.0	770.1	1135.6
60°	1054.8	821.8	760.3	676.2	1041.8
62.5°	964.1	708.6	695.6	611.5	944.7
65°	867.1	630.9	627.6	556.5	802.4
67.5°	773.2	579.1	575.9	504.7	611.5
70°	672.9	524.2	517.7	449.7	453.0
72.5°	569.4	462.7	456.2	404.4	375.3
75°	465.9	391.5	388.2	352.7	304.1
77.5°	365.6	310.6	317.1	284.7	223.2
80°	262.0	226.5	233.0	203.8	168.3
82.5°	174.8	148.8	155.3	129.4	113.2
85°	97.0	84.1	87.4	68.0	51.7
87.5°	45.3	38.8	38.8	25.9	16.2
90°	17.3	11.0	10.2	7.1	3.9
92.5°	107.0	76.1	69.4	42.5	15.8
95°	263.1	148.2	135.9	86.9	37.9
97.5°	354.4	162.7	151.9	108.6	65.4
100°	387.7	174.9	165.1	125.9	86.7
102.5°	402.9	187.2	178.0	141.5	104.9
105°	414.2	205.3	197.6	166.5	135.6
107.5°	416.2	232.1	224.9	196.0	167.1
110°	413.2	247.1	240.6	214.4	188.3



TEST NUMBER: P934512

CATALOG NUMBER: SQ4-FA-050U-125D-830-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	413.3	265.2	259.0	234.1	209.3
115°	417.1	292.4	286.7	263.8	240.8
117.5°	424.8	318.8	313.6	292.7	271.9
120°	431.2	334.2	329.3	309.6	290.1
122.5°	440.1	352.3	347.3	327.5	307.7
125°	452.4	375.5	371.0	353.0	335.0
127.5°	464.6	398.0	393.4	375.2	357.1
130°	473.5	413.0	408.1	388.4	368.8
132.5°	480.8	425.2	420.4	400.7	381.1
135°	488.6	439.4	434.9	417.1	399.2
137.5°	500.5	457.5	453.1	435.5	417.8
140°	507.7	469.8	465.7	449.4	433.1
142.5°	513.8	478.8	475.0	459.9	444.9
145°	521.7	492.6	489.4	476.2	463.1
147.5°	533.2	509.9	506.8	494.0	481.2
150°	539.3	519.0	516.1	504.6	493.0
152.5°	543.2	524.9	522.7	514.0	505.2
155°	551.9	537.9	536.3	529.8	523.3
157.5°	560.5	550.9	549.3	543.0	536.7
160°	564.5	556.9	555.6	550.8	545.8
162.5°	568.7	563.2	562.2	558.6	554.9
165°	574.7	572.2	571.3	568.1	564.7
167.5°	579.4	577.3	576.9	575.3	573.8
170°	583.4	583.3	582.9	581.2	579.7
172.5°	583.6	583.6	583.5	583.3	582.9
175°	586.0	587.2	587.2	587.2	587.2
177.5°	586.2	587.2	587.2	587.2	587.2
180°	587.2	587.2	587.2	587.2	587.2



TEST NUMBER: P934512  
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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	16.08	17.15	16.84	17.94	18.89	18.92	19.99	19.68	20.78	21.73
	3H	16.57	17.54	17.35	18.33	19.32	20.28	21.24	21.06	22.04	23.03
	4H	16.77	17.68	17.57	18.49	19.48	20.74	21.65	21.53	22.45	23.45
	6H	16.90	17.74	17.71	18.56	19.57	21.03	21.87	21.84	22.69	23.70
	8H	16.91	17.71	17.73	18.54	19.55	21.12	21.92	21.93	22.75	23.76
	12H	16.89	17.65	17.71	18.48	19.51	21.16	21.92	21.99	22.75	23.79
4H	2H	17.14	18.05	17.94	18.85	19.85	19.35	20.26	20.15	21.07	22.06
	3H	18.19	18.94	19.00	19.78	20.80	20.88	21.64	21.69	22.48	23.49
	4H	18.47	19.16	19.30	20.00	21.04	21.42	22.11	22.24	22.95	23.99
	6H	18.61	19.20	19.45	20.07	21.11	21.80	22.39	22.64	23.26	24.30
	8H	18.62	19.18	19.46	20.03	21.09	21.91	22.47	22.76	23.32	24.38
	12H	18.60	19.10	19.46	19.98	21.04	21.98	22.48	22.84	23.36	24.42
8H	4H	18.94	19.50	19.79	20.36	21.42	21.56	22.12	22.40	22.97	24.03
	6H	19.21	19.67	20.09	20.57	21.63	22.01	22.47	22.88	23.37	24.42
	8H	19.26	19.67	20.14	20.56	21.64	22.16	22.57	23.05	23.47	24.54
	12H	19.25	19.61	20.14	20.50	21.63	22.27	22.63	23.16	23.52	24.65
12H	4H	18.96	19.46	19.82	20.34	21.40	21.53	22.03	22.40	22.91	23.98
	6H	19.28	19.69	20.16	20.58	21.65	22.00	22.41	22.89	23.31	24.38
	8H	19.35	19.71	20.24	20.60	21.73	22.18	22.54	23.06	23.42	24.55