

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: P934205

Luminaire Tested: SQ4-FA-025U-125D-B50-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

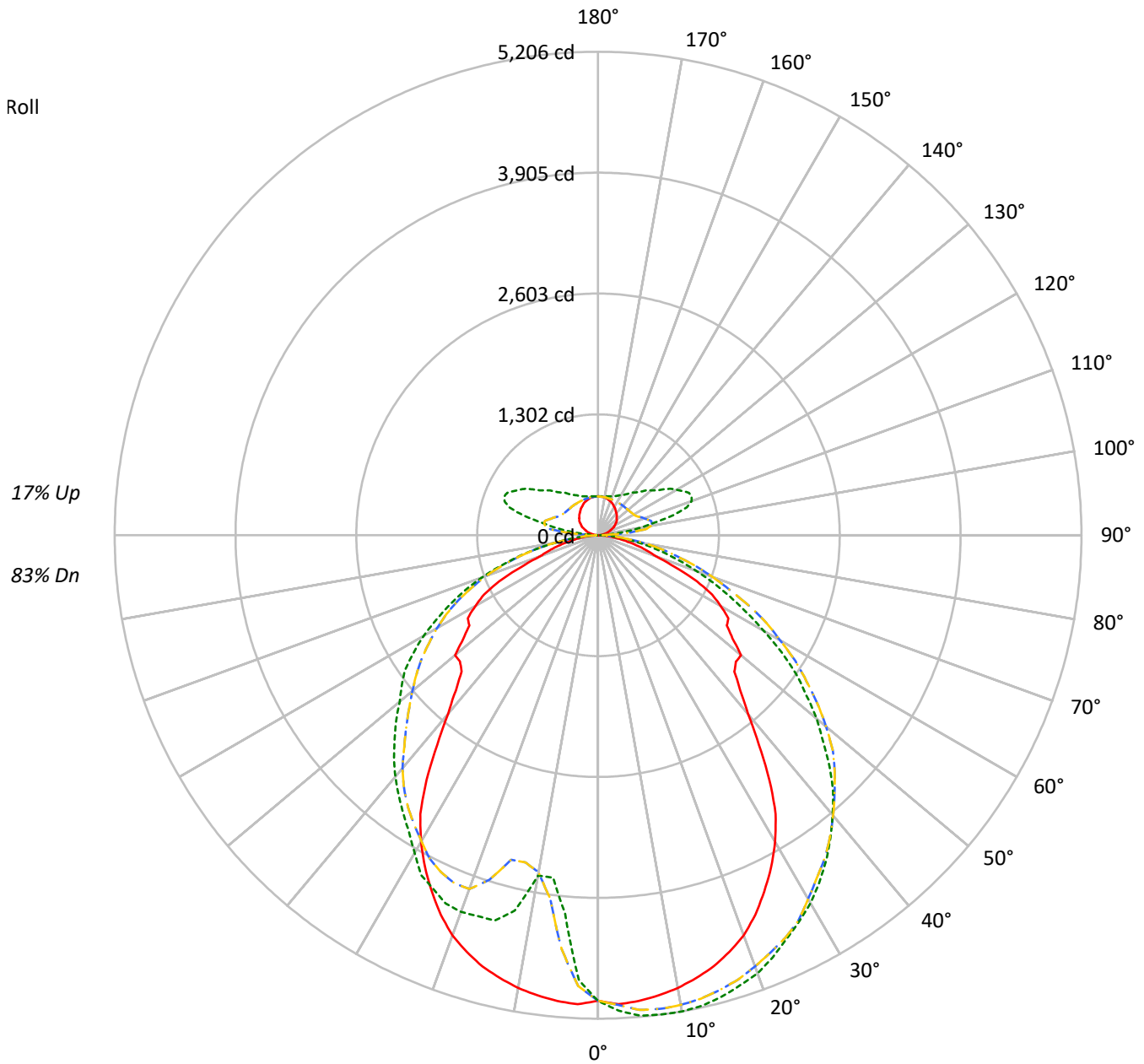
Test Method: LM-79-2019  
Report Number: P934205  
REPORT IS A COMBINATION OF REPORTS P933685 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-025U-125D-B50-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15707.1 lumens  
Efficiency: N/A  
Efficacy: 105.6 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): 148.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



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



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

RF	20				20				20				20				20				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	115	115	115	115	110	110	110	110	102	102	102	94	94	94	86	86	86	86	86	86	83
1	105	101	97	93	101	97	93	90	89	87	84	83	80	78	76	75	73	73	73	73	70
2	96	88	82	76	92	85	79	74	78	74	70	73	69	66	67	64	62	62	62	62	59
3	88	78	70	64	84	75	68	62	69	63	59	64	60	56	60	56	52	52	52	52	50
4	80	69	60	54	77	66	59	53	62	55	50	57	52	48	53	49	45	45	45	45	43
5	74	61	53	46	70	59	51	45	55	49	43	52	46	41	48	43	39	39	39	39	37
6	68	55	47	40	65	53	45	40	50	43	38	47	41	36	44	39	35	35	35	35	32
7	63	50	42	36	60	48	41	35	45	39	34	42	37	32	40	35	31	31	31	31	29
8	59	46	37	32	56	44	36	31	41	35	30	39	33	29	37	31	28	28	28	28	26
9	55	42	34	28	52	40	33	28	38	32	27	36	30	26	34	29	25	25	25	25	23
10	51	38	31	26	49	37	30	25	35	29	24	33	28	24	31	26	23	23	23	23	21

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

	0°	90°	180°	270°
0°	15502	15502	15502	15502
5°	15623	15649	15623	12305
10°	15525	15414	15525	11020
15°	15362	15081	15362	12592
20°	15047	14685	15047	12619
25°	14395	14108	14395	12351
30°	13550	13629	13550	11765
35°	12086	13023	12086	11119
40°	10076	12309	10076	10632
45°	9009	11474	9009	10071
50°	9579	10479	9579	9508
55°	9021	9406	9021	9183
60°	9311	7988	9311	8411
65°	8455	6604	8455	7381
70°	5869	5262	5869	6188
75°	5166	3890	5166	4658
80°	4194	2572	4194	2801
85°	2456	1362	2456	1158

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 13799 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	452.4	2.9
10°-20°	1284.5	8.2
20°-30°	1985.6	12.6
30°-40°	2370.4	15.1
40°-50°	2384.3	15.2
50°-60°	2074.6	13.2
60°-70°	1470.9	9.4
70°-80°	778.2	5.0
80°-90°	195.4	1.2
90°-100°	203.8	1.3
100°-110°	535.9	3.4
110°-120°	555.7	3.5
120°-130°	445.7	2.8
130°-140°	349.7	2.2
140°-150°	268.4	1.7
150°-160°	193.3	1.2
160°-170°	118.3	0.8
170°-180°	40.0	0.3
0°-30°	3722.5	23.7
0°-40°	6092.9	38.8
0°-60°	10551.8	67.2
0°-90°	12996.3	82.7
90°-120°	1295.4	8.2
90°-150°	2359.2	15.0
90°-180°	2711.0	17.3
0°-180°	15707.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5012	5012	5012	5012	5012	
5°	5036	5192	5036	4082	5036	478
15°	4808	5145	4808	4296	4808	1353
25°	4234	4798	4234	4201	4234	1944
35°	3220	4282	3220	3656	3220	1992
45°	2077	3528	2077	3096	2077	1664
55°	1693	2603	1693	2542	1693	1555
65°	1176	1570	1176	1754	1176	1124
75°	446	744	446	891	446	469
85°	76	190	76	161	76	102
90°	3	11	3	11	3	6
95°	27	123	27	123	27	30
105°	97	839	97	839	97	102
115°	172	1080	172	1080	172	169
125°	238	860	238	860	238	212
135°	284	668	284	668	284	220
145°	330	542	330	542	330	207
155°	373	466	373	466	373	171
165°	402	434	402	434	402	114
175°	418	421	418	421	418	40
180°	418	418	418	418	418	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8
2.5°	5054.5	5054.5	5082.9	5092.4	5092.4	5078.2	5064.0	5078.2	5120.8	5135.1	5130.4
5°	5035.5	5073.5	5125.6	5135.1	5144.6	5139.8	5130.4	5139.8	5187.2	5196.8	5201.4
7.5°	4997.6	5068.7	5135.1	5149.3	5163.5	5149.3	5144.6	5154.1	5201.4	5211.0	5211.0
10°	4950.2	5049.8	5125.6	5135.1	5149.3	5135.1	5135.1	5154.1	5201.4	5211.0	5215.7
12.5°	4883.8	5021.3	5092.4	5101.9	5120.8	5116.1	5111.4	5130.4	5177.7	5187.2	5187.2
15°	4808.0	4969.2	5035.5	5045.0	5078.2	5068.7	5068.7	5087.7	5139.8	5154.1	5149.3
17.5°	4703.6	4902.8	4978.6	4992.9	5016.5	5011.8	5016.5	5035.5	5082.9	5092.4	5097.1
20°	4585.1	4812.6	4902.8	4916.9	4940.7	4940.7	4940.7	4964.4	5011.8	5030.8	5030.8
22.5°	4423.9	4717.8	4812.6	4822.1	4850.6	4850.6	4860.1	4893.2	4935.9	4940.7	4940.7
25°	4234.2	4613.5	4694.1	4722.6	4751.1	4765.3	4779.5	4798.4	4812.6	4808.0	4812.6
27.5°	4035.1	4480.8	4585.1	4604.1	4642.0	4656.2	4675.1	4679.9	4684.7	4698.9	4689.4
30°	3812.2	4295.8	4452.3	4471.2	4532.9	4542.4	4523.5	4532.9	4556.6	4566.1	4575.6
32.5°	3560.9	4020.9	4314.8	4357.5	4414.4	4386.0	4381.2	4395.4	4433.3	4433.3	4442.9
35°	3219.5	3807.5	4186.7	4224.7	4267.4	4234.2	4253.2	4257.9	4281.6	4295.8	4291.1
37.5°	2845.0	3622.5	4054.0	4082.5	4115.7	4073.0	4101.5	4115.7	4134.6	4125.1	4125.1
40°	2513.0	3333.3	3897.6	3916.5	3944.9	3911.8	3940.3	3949.7	3959.2	3949.7	3944.9
42.5°	2266.4	3015.6	3731.6	3755.3	3736.4	3760.0	3769.5	3788.5	3774.3	3755.3	3755.3
45°	2076.7	2930.2	3551.4	3579.8	3551.4	3589.4	3603.6	3603.6	3560.9	3551.4	3546.7
47.5°	2015.2	2759.6	3371.3	3371.3	3357.0	3404.4	3428.2	3394.9	3352.3	3338.0	3338.0
50°	2010.4	2569.9	3124.7	3105.7	3172.1	3229.0	3205.3	3172.1	3138.9	3086.8	3086.8
52.5°	1825.5	2337.6	2807.0	2878.1	2982.4	3015.6	2977.7	2944.5	2887.6	2863.9	2845.0
55°	1692.7	2095.8	2517.8	2660.0	2769.0	2811.7	2740.6	2707.4	2622.1	2607.8	2598.4
57.5°	1664.3	1744.9	2252.2	2432.4	2565.1	2560.5	2517.8	2456.1	2385.0	2370.8	2366.0
60°	1526.8	1261.3	1967.8	2181.1	2318.7	2304.4	2266.4	2209.6	2143.2	2133.7	2124.2
62.5°	1384.6	915.1	1645.3	1887.1	2081.5	2076.7	2043.6	1958.2	1910.9	1887.1	1868.2
65°	1175.9	768.1	1171.1	1569.5	1849.2	1858.7	1787.6	1725.9	1673.7	1645.3	1640.6
67.5°	896.2	625.9	791.8	1308.6	1626.4	1616.8	1526.8	1498.3	1431.9	1417.7	1389.2
70°	663.8	417.2	550.0	1062.1	1408.2	1384.6	1313.4	1280.2	1218.6	1185.3	1166.4
72.5°	550.0	336.6	403.0	825.0	1185.3	1156.9	1095.3	1057.4	1005.2	976.8	957.8
75°	445.7	355.6	308.2	611.7	962.5	943.5	886.6	848.7	806.0	768.1	772.9
77.5°	327.2	331.9	246.6	450.5	763.4	735.0	701.7	654.4	635.4	597.5	597.5
80°	246.6	260.8	184.9	308.2	550.0	550.0	521.5	488.4	455.2	436.2	436.2
82.5°	166.0	166.0	137.5	194.4	374.6	360.3	341.4	331.9	313.0	303.5	303.5
85°	75.8	94.8	85.4	118.5	203.9	213.3	213.3	203.9	199.1	189.7	194.4
87.5°	23.7	42.7	52.1	66.4	104.3	109.1	113.8	113.8	113.8	118.5	118.5
90°	2.8	5.0	7.3	7.8	12.3	18.3	21.3	19.0	14.2	10.6	10.6
92.5°	11.2	30.3	49.4	54.2	76.1	105.4	120.1	105.3	75.6	53.3	51.2
95°	26.9	61.8	96.8	105.5	187.4	296.5	351.1	313.3	237.7	181.0	174.6
97.5°	46.6	77.4	108.3	115.9	252.4	434.4	525.4	501.5	453.7	417.9	405.6
100°	61.7	89.7	117.6	124.6	276.1	478.0	579.0	580.8	584.2	586.8	572.3
102.5°	74.6	100.7	126.7	133.3	286.9	491.8	594.1	624.6	685.4	731.0	718.5
105°	96.6	118.6	140.7	146.2	295.0	493.2	592.4	660.6	797.1	899.4	892.7
107.5°	119.0	139.5	160.2	165.3	296.5	471.3	558.7	653.9	844.2	987.1	988.6
110°	134.1	152.7	171.3	176.0	294.2	451.9	530.7	637.1	849.8	1009.5	1016.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	149.1	166.7	184.5	188.9	294.3	434.9	505.2	614.1	831.8	995.2	1005.9
115°	171.5	187.8	204.2	208.3	297.0	415.3	474.6	579.5	789.2	946.6	961.5
117.5°	193.6	208.5	223.3	227.1	302.5	403.2	453.6	548.3	737.6	879.5	896.1
120°	206.5	220.5	234.5	238.0	307.0	399.0	445.1	531.5	704.6	834.3	850.4
122.5°	219.2	233.3	247.3	250.9	313.5	396.9	438.6	516.5	672.3	789.1	804.9
125°	238.5	251.4	264.3	267.5	322.2	395.2	431.6	497.7	630.1	729.4	743.9
127.5°	254.2	267.2	280.2	283.5	330.9	394.1	425.7	482.5	596.2	681.4	693.7
130°	262.6	276.7	290.7	294.1	337.3	394.7	423.5	474.1	575.3	651.1	662.5
132.5°	271.4	285.3	299.3	302.8	342.4	395.2	421.5	466.8	557.4	625.3	635.5
135°	284.3	297.0	309.7	312.9	348.0	394.8	418.2	456.1	531.9	588.8	597.6
137.5°	297.5	310.1	322.6	325.8	356.4	397.2	417.6	449.6	513.7	561.8	569.0
140°	308.4	320.0	331.7	334.6	361.6	397.6	415.6	443.3	498.7	540.2	547.0
142.5°	316.8	327.6	338.3	341.0	365.8	399.0	415.6	439.9	488.6	525.1	530.9
145°	329.8	339.1	348.5	350.8	371.5	399.0	412.8	432.7	472.5	502.3	506.7
147.5°	342.7	351.7	360.9	363.1	379.7	401.8	412.8	428.5	459.8	483.3	486.9
150°	351.1	359.3	367.5	369.6	384.0	403.2	412.8	426.1	452.5	472.3	475.2
152.5°	359.8	366.0	372.2	373.8	386.8	404.1	412.8	424.1	446.7	463.6	465.9
155°	372.7	377.2	381.9	383.0	392.9	406.2	412.8	421.8	439.8	453.3	454.8
157.5°	382.2	386.7	391.3	392.4	399.2	408.3	412.8	419.8	433.7	444.2	445.2
160°	388.7	392.2	395.7	396.6	402.0	409.2	412.8	418.8	430.8	439.7	440.3
162.5°	395.2	397.8	400.4	401.1	405.0	410.2	412.8	417.9	428.0	435.5	436.1
165°	402.2	404.5	406.9	407.5	409.3	411.6	412.8	416.5	423.7	429.1	429.6
167.5°	408.6	409.7	410.9	411.1	412.6	414.6	415.6	418.0	422.7	426.3	426.6
170°	412.8	413.9	415.1	415.3	415.4	415.5	415.6	418.0	422.7	426.3	426.3
172.5°	415.1	415.3	415.5	415.6	415.6	415.6	415.6	417.5	421.2	424.0	423.8
175°	418.2	418.2	418.2	418.2	417.3	416.2	415.6	416.8	419.2	421.0	421.0
177.5°	418.2	418.2	418.2	418.2	417.5	416.7	416.2	417.1	419.0	420.4	420.1
180°	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8
2.5°	5139.8	5125.6	5139.8	5130.4	5135.1	5120.8	5078.2	5064.0	5078.2	5092.4	5092.4
5°	5201.4	5192.0	5201.4	5201.4	5196.8	5187.2	5139.8	5130.4	5139.8	5144.6	5135.1
7.5°	5220.4	5206.2	5220.4	5211.0	5211.0	5201.4	5154.1	5144.6	5149.3	5163.5	5149.3
10°	5220.4	5206.2	5220.4	5215.7	5211.0	5201.4	5154.1	5135.1	5135.1	5149.3	5135.1
12.5°	5196.8	5187.2	5196.8	5187.2	5187.2	5177.7	5130.4	5111.4	5116.1	5120.8	5101.9
15°	5158.8	5144.6	5158.8	5149.3	5154.1	5139.8	5087.7	5068.7	5068.7	5078.2	5045.0
17.5°	5101.9	5082.9	5101.9	5097.1	5092.4	5082.9	5035.5	5016.5	5011.8	5016.5	4992.9
20°	5035.5	5021.3	5035.5	5030.8	5030.8	5011.8	4964.4	4940.7	4940.7	4940.7	4916.9
22.5°	4931.2	4916.9	4931.2	4940.7	4940.7	4935.9	4893.2	4860.1	4850.6	4850.6	4822.1
25°	4812.6	4798.4	4812.6	4812.6	4808.0	4812.6	4798.4	4779.5	4765.3	4751.1	4722.6
27.5°	4698.9	4689.4	4698.9	4689.4	4698.9	4684.7	4679.9	4675.1	4656.2	4642.0	4604.1
30°	4585.1	4575.6	4585.1	4575.6	4566.1	4556.6	4532.9	4523.5	4542.4	4532.9	4471.2
32.5°	4442.9	4433.3	4442.9	4442.9	4433.3	4433.3	4395.4	4381.2	4386.0	4414.4	4357.5
35°	4295.8	4281.6	4295.8	4291.1	4295.8	4281.6	4257.9	4253.2	4234.2	4267.4	4224.7
37.5°	4125.1	4110.9	4125.1	4125.1	4125.1	4134.6	4115.7	4101.5	4073.0	4115.7	4082.5
40°	3949.7	3930.7	3949.7	3944.9	3949.7	3959.2	3949.7	3940.3	3911.8	3944.9	3916.5
42.5°	3750.6	3745.8	3750.6	3755.3	3755.3	3774.3	3788.5	3769.5	3760.0	3736.4	3755.3
45°	3537.2	3527.7	3537.2	3546.7	3551.4	3560.9	3603.6	3603.6	3589.4	3551.4	3579.8
47.5°	3309.6	3285.9	3309.6	3338.0	3338.0	3352.3	3394.9	3428.2	3404.4	3357.0	3371.3
50°	3067.8	3072.5	3067.8	3086.8	3086.8	3138.9	3172.1	3205.3	3229.0	3172.1	3105.7
52.5°	2830.7	2826.0	2830.7	2845.0	2863.9	2887.6	2944.5	2977.7	3015.6	2982.4	2878.1
55°	2593.6	2603.2	2593.6	2598.4	2607.8	2622.1	2707.4	2740.6	2811.7	2769.0	2660.0
57.5°	2356.6	2342.3	2356.6	2366.0	2370.8	2385.0	2456.1	2517.8	2560.5	2565.1	2432.4
60°	2081.5	2062.6	2081.5	2124.2	2133.7	2143.2	2209.6	2266.4	2304.4	2318.7	2181.1
62.5°	1839.7	1806.5	1839.7	1868.2	1887.1	1910.9	1958.2	2043.6	2076.7	2081.5	1887.1
65°	1583.7	1569.5	1583.7	1640.6	1645.3	1673.7	1725.9	1787.6	1858.7	1849.2	1569.5
67.5°	1351.3	1351.3	1351.3	1389.2	1417.7	1431.9	1498.3	1526.8	1616.8	1626.4	1308.6
70°	1138.0	1133.2	1138.0	1166.4	1185.3	1218.6	1280.2	1313.4	1384.6	1408.2	1062.1
72.5°	934.1	929.3	934.1	957.8	976.8	1005.2	1057.4	1095.3	1156.9	1185.3	825.0
75°	753.9	744.4	753.9	772.9	768.1	806.0	848.7	886.6	943.5	962.5	611.7
77.5°	578.4	578.4	578.4	597.5	597.5	635.4	654.4	701.7	735.0	763.4	450.5
80°	431.5	426.7	431.5	436.2	436.2	455.2	488.4	521.5	550.0	550.0	308.2
82.5°	303.5	293.9	303.5	303.5	303.5	313.0	331.9	341.4	360.3	374.6	194.4
85°	189.7	189.7	189.7	194.4	189.7	199.1	203.9	213.3	213.3	203.9	118.5
87.5°	123.3	118.5	123.3	118.5	118.5	113.8	113.8	113.8	109.1	104.3	66.4
90°	10.6	10.6	10.6	10.6	10.6	14.2	19.0	21.3	18.3	12.3	7.8
92.5°	42.8	34.3	42.8	51.2	53.3	75.6	105.3	120.1	105.4	76.1	54.2
95°	148.9	123.2	148.9	174.6	181.0	237.7	313.3	351.1	296.5	187.4	105.5
97.5°	356.8	307.8	356.8	405.6	417.9	453.7	501.5	525.4	434.4	252.4	115.9
100°	514.1	455.8	514.1	572.3	586.8	584.2	580.8	579.0	478.0	276.1	124.6
102.5°	668.7	618.8	668.7	718.5	731.0	685.4	624.6	594.1	491.8	286.9	133.3
105°	865.9	839.1	865.9	892.7	899.4	797.1	660.6	592.4	493.2	295.0	146.2
107.5°	995.2	1001.6	995.2	988.6	987.1	844.2	653.9	558.7	471.3	296.5	165.3
110°	1044.4	1072.3	1044.4	1016.5	1009.5	849.8	637.1	530.7	451.9	294.2	176.0





TEST NUMBER: P934205

CATALOG NUMBER: SQ4-FA-025U-125D-B50-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1048.8	1091.7	1048.8	1005.9	995.2	831.8	614.1	505.2	434.9	294.3	188.9
115°	1021.0	1080.5	1021.0	961.5	946.6	789.2	579.5	474.6	415.3	297.0	208.3
117.5°	962.0	1028.0	962.0	896.1	879.5	737.6	548.3	453.6	403.2	302.5	227.1
120°	914.5	978.6	914.5	850.4	834.3	704.6	531.5	445.1	399.0	307.0	238.0
122.5°	868.2	931.5	868.2	804.9	789.1	672.3	516.5	438.6	396.9	313.5	250.9
125°	802.1	860.4	802.1	743.9	729.4	630.1	497.7	431.6	395.2	322.2	267.5
127.5°	742.8	791.9	742.8	693.7	681.4	596.2	482.5	425.7	394.1	330.9	283.5
130°	707.9	753.3	707.9	662.5	651.1	575.3	474.1	423.5	394.7	337.3	294.1
132.5°	676.1	716.8	676.1	635.5	625.3	557.4	466.8	421.5	395.2	342.4	302.8
135°	632.6	667.6	632.6	597.6	588.8	531.9	456.1	418.2	394.8	348.0	312.9
137.5°	597.7	626.4	597.7	569.0	561.8	513.7	449.6	417.6	397.2	356.4	325.8
140°	573.8	600.6	573.8	547.0	540.2	498.7	443.3	415.6	397.6	361.6	334.6
142.5°	554.0	577.0	554.0	530.9	525.1	488.6	439.9	415.6	399.0	365.8	341.0
145°	524.2	541.6	524.2	506.7	502.3	472.5	432.7	412.8	399.0	371.5	350.8
147.5°	501.4	515.8	501.4	486.9	483.3	459.8	428.5	412.8	401.8	379.7	363.1
150°	487.0	498.7	487.0	475.2	472.3	452.5	426.1	412.8	403.2	384.0	369.6
152.5°	474.7	483.5	474.7	465.9	463.6	446.7	424.1	412.8	404.1	386.8	373.8
155°	460.6	466.4	460.6	454.8	453.3	439.8	421.8	412.8	406.2	392.9	383.0
157.5°	449.4	453.6	449.4	445.2	444.2	433.7	419.8	412.8	408.3	399.2	392.4
160°	442.7	445.1	442.7	440.3	439.7	430.8	418.8	412.8	409.2	402.0	396.6
162.5°	438.3	440.6	438.3	436.1	435.5	428.0	417.9	412.8	410.2	405.0	401.1
165°	432.1	434.4	432.1	429.6	429.1	423.7	416.5	412.8	411.6	409.3	407.5
167.5°	427.5	428.5	427.5	426.6	426.3	422.7	418.0	415.6	414.6	412.6	411.1
170°	426.3	426.3	426.3	426.3	426.3	422.7	418.0	415.6	415.5	415.4	415.3
172.5°	422.9	422.1	422.9	423.8	424.0	421.2	417.5	415.6	415.6	415.6	415.6
175°	421.0	421.0	421.0	421.0	421.0	419.2	416.8	415.6	416.2	417.3	418.2
177.5°	419.2	418.2	419.2	420.1	420.4	419.0	417.1	416.2	416.7	417.5	418.2
180°	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2



TEST NUMBER: P934205

CATALOG NUMBER: SQ4-FA-025U-125D-B50-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8
2.5°	5082.9	5054.5	5054.5	5007.1	4988.1	4973.9	4950.2	4879.0	4860.1	4841.1	4869.6
5°	5125.6	5073.5	5035.5	4950.2	4879.0	4850.6	4760.5	4589.8	4476.0	4390.6	4343.3
7.5°	5135.1	5068.7	4997.6	4864.8	4694.1	4618.3	4343.3	4030.3	3944.9	3869.1	3821.6
10°	5125.6	5049.8	4950.2	4751.1	4348.0	4215.2	3940.3	3736.4	3684.2	3670.0	3684.2
12.5°	5092.4	5021.3	4883.8	4551.8	3987.6	3897.6	3736.4	3617.8	3608.3	3632.0	3760.0
15°	5035.5	4969.2	4808.0	4286.3	3788.5	3722.1	3608.3	3565.6	3617.8	3783.7	4167.8
17.5°	4978.6	4902.8	4703.6	4025.5	3636.8	3589.4	3508.8	3594.1	3888.1	4110.9	4239.0
20°	4902.8	4812.6	4585.1	3835.9	3527.7	3485.0	3447.1	3831.2	4054.0	4134.6	4205.7
22.5°	4812.6	4717.8	4423.9	3703.1	3414.0	3380.7	3404.4	3963.9	4054.0	4110.9	4172.6
25°	4694.1	4613.5	4234.2	3598.8	3323.8	3285.9	3375.9	3949.7	4001.8	4016.1	4139.4
27.5°	4585.1	4480.8	4035.1	3504.0	3214.7	3200.5	3399.7	3888.1	3926.0	3940.3	4073.0
30°	4452.3	4295.8	3812.2	3404.4	3101.0	3096.2	3404.4	3812.2	3802.7	3840.6	3973.4
32.5°	4314.8	4020.9	3560.9	3281.1	2991.9	2987.2	3371.3	3698.4	3688.9	3741.0	3840.6
35°	4186.7	3807.5	3219.5	3138.9	2854.4	2859.2	3290.7	3565.6	3570.4	3617.8	3679.4
37.5°	4054.0	3622.5	2845.0	2982.4	2721.7	2721.7	3181.6	3442.4	3432.9	3447.1	3532.5
40°	3897.6	3333.3	2513.0	2778.6	2598.4	2584.1	3048.9	3309.6	3276.4	3271.7	3390.2
42.5°	3731.6	3015.6	2266.4	2508.3	2456.1	2437.2	2887.6	3148.4	3086.8	3101.0	3252.7
45°	3551.4	2930.2	2076.7	2119.4	2309.1	2294.9	2712.1	2963.5	2920.8	2958.7	3115.2
47.5°	3371.3	2759.6	2015.2	1759.1	2152.7	2147.9	2517.8	2783.3	2759.6	2797.5	2963.5
50°	3124.7	2569.9	2010.4	1507.8	1977.2	1996.1	2285.4	2607.8	2607.8	2641.1	2816.5
52.5°	2807.0	2337.6	1825.5	1365.6	1773.3	1830.3	2081.5	2456.1	2465.6	2498.8	2655.3
55°	2517.8	2095.8	1692.7	1256.5	1531.5	1654.8	1882.4	2299.6	2318.7	2351.8	2494.1
57.5°	2252.2	1744.9	1664.3	1128.5	1308.6	1427.2	1707.0	2147.9	2157.4	2185.8	2323.3
60°	1967.8	1261.3	1526.8	991.0	1114.3	1204.4	1545.8	1967.8	2000.9	2019.9	2138.4
62.5°	1645.3	915.1	1384.6	896.2	1019.5	1038.4	1413.0	1797.0	1839.7	1853.9	1925.1
65°	1171.1	768.1	1175.9	815.6	919.9	924.6	1270.7	1621.6	1659.5	1683.3	1735.4
67.5°	791.8	625.9	896.2	739.6	844.0	848.7	1133.2	1417.7	1469.8	1488.9	1522.0
70°	550.0	417.2	663.8	659.0	758.7	768.1	986.2	1232.8	1280.2	1294.4	1313.4
72.5°	403.0	336.6	550.0	592.7	668.6	678.1	834.5	1024.1	1071.6	1085.8	1095.3
75°	308.2	355.6	445.7	516.8	569.0	573.8	682.8	834.5	867.7	877.2	881.9
77.5°	246.6	331.9	327.2	417.2	464.7	455.2	535.8	644.8	673.3	673.3	673.3
80°	184.9	260.8	246.6	298.7	341.4	331.9	384.1	459.9	469.4	478.9	474.2
82.5°	137.5	166.0	166.0	189.7	227.6	218.1	256.0	298.7	298.7	298.7	308.2
85°	85.4	94.8	75.8	99.6	128.1	123.3	142.2	161.2	166.0	166.0	156.4
87.5°	52.1	42.7	23.7	37.9	56.9	56.9	66.4	71.1	66.4	66.4	66.4
90°	7.3	5.0	2.8	5.0	7.3	7.8	12.3	18.3	21.3	19.0	14.2
92.5°	49.4	30.3	11.2	30.3	49.4	54.2	76.1	105.4	120.1	105.3	75.6
95°	96.8	61.8	26.9	61.8	96.8	105.5	187.4	296.5	351.1	313.3	237.7
97.5°	108.3	77.4	46.6	77.4	108.3	115.9	252.4	434.4	525.4	501.5	453.7
100°	117.6	89.7	61.7	89.7	117.6	124.6	276.1	478.0	579.0	580.8	584.2
102.5°	126.7	100.7	74.6	100.7	126.7	133.3	286.9	491.8	594.1	624.6	685.4
105°	140.7	118.6	96.6	118.6	140.7	146.2	295.0	493.2	592.4	660.6	797.1
107.5°	160.2	139.5	119.0	139.5	160.2	165.3	296.5	471.3	558.7	653.9	844.2
110°	171.3	152.7	134.1	152.7	171.3	176.0	294.2	451.9	530.7	637.1	849.8



TEST NUMBER: P934205

CATALOG NUMBER: SQ4-FA-025U-125D-B50-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	184.5	166.7	149.1	166.7	184.5	188.9	294.3	434.9	505.2	614.1	831.8
115°	204.2	187.8	171.5	187.8	204.2	208.3	297.0	415.3	474.6	579.5	789.2
117.5°	223.3	208.5	193.6	208.5	223.3	227.1	302.5	403.2	453.6	548.3	737.6
120°	234.5	220.5	206.5	220.5	234.5	238.0	307.0	399.0	445.1	531.5	704.6
122.5°	247.3	233.3	219.2	233.3	247.3	250.9	313.5	396.9	438.6	516.5	672.3
125°	264.3	251.4	238.5	251.4	264.3	267.5	322.2	395.2	431.6	497.7	630.1
127.5°	280.2	267.2	254.2	267.2	280.2	283.5	330.9	394.1	425.7	482.5	596.2
130°	290.7	276.7	262.6	276.7	290.7	294.1	337.3	394.7	423.5	474.1	575.3
132.5°	299.3	285.3	271.4	285.3	299.3	302.8	342.4	395.2	421.5	466.8	557.4
135°	309.7	297.0	284.3	297.0	309.7	312.9	348.0	394.8	418.2	456.1	531.9
137.5°	322.6	310.1	297.5	310.1	322.6	325.8	356.4	397.2	417.6	449.6	513.7
140°	331.7	320.0	308.4	320.0	331.7	334.6	361.6	397.6	415.6	443.3	498.7
142.5°	338.3	327.6	316.8	327.6	338.3	341.0	365.8	399.0	415.6	439.9	488.6
145°	348.5	339.1	329.8	339.1	348.5	350.8	371.5	399.0	412.8	432.7	472.5
147.5°	360.9	351.7	342.7	351.7	360.9	363.1	379.7	401.8	412.8	428.5	459.8
150°	367.5	359.3	351.1	359.3	367.5	369.6	384.0	403.2	412.8	426.1	452.5
152.5°	372.2	366.0	359.8	366.0	372.2	373.8	386.8	404.1	412.8	424.1	446.7
155°	381.9	377.2	372.7	377.2	381.9	383.0	392.9	406.2	412.8	421.8	439.8
157.5°	391.3	386.7	382.2	386.7	391.3	392.4	399.2	408.3	412.8	419.8	433.7
160°	395.7	392.2	388.7	392.2	395.7	396.6	402.0	409.2	412.8	418.8	430.8
162.5°	400.4	397.8	395.2	397.8	400.4	401.1	405.0	410.2	412.8	417.9	428.0
165°	406.9	404.5	402.2	404.5	406.9	407.5	409.3	411.6	412.8	416.5	423.7
167.5°	410.9	409.7	408.6	409.7	410.9	411.1	412.6	414.6	415.6	418.0	422.7
170°	415.1	413.9	412.8	413.9	415.1	415.3	415.4	415.5	415.6	418.0	422.7
172.5°	415.5	415.3	415.1	415.3	415.5	415.6	415.6	415.6	415.6	417.5	421.2
175°	418.2	418.2	418.2	418.2	418.2	418.2	417.3	416.2	415.6	416.8	419.2
177.5°	418.2	418.2	418.2	418.2	418.2	418.2	417.5	416.7	416.2	417.1	419.0
180°	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2



TEST NUMBER: P934205  
 CATALOG NUMBER: SQ4-FA-025U-125D-B50-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8
2.5°	4836.3	4822.1	4841.1	4789.0	4841.1	4822.1	4836.3	4869.6	4841.1	4860.1	4879.0
5°	4243.7	4220.0	4144.1	4082.5	4144.1	4220.0	4243.7	4343.3	4390.6	4476.0	4589.8
7.5°	3793.3	3774.3	3755.3	3717.4	3755.3	3774.3	3793.3	3821.6	3869.1	3944.9	4030.3
10°	3693.7	3698.4	3726.8	3722.1	3726.8	3698.4	3693.7	3684.2	3670.0	3684.2	3736.4
12.5°	3949.7	3992.4	4148.8	4139.4	4148.8	3992.4	3949.7	3760.0	3632.0	3608.3	3617.8
15°	4243.7	4257.9	4291.1	4295.8	4291.1	4257.9	4243.7	4167.8	3783.7	3617.8	3565.6
17.5°	4272.1	4276.9	4300.6	4300.6	4300.6	4276.9	4272.1	4239.0	4110.9	3888.1	3594.1
20°	4248.4	4257.9	4305.4	4314.8	4305.4	4257.9	4248.4	4205.7	4134.6	4054.0	3831.2
22.5°	4239.0	4257.9	4295.8	4291.1	4295.8	4257.9	4239.0	4172.6	4110.9	4054.0	3963.9
25°	4191.5	4191.5	4196.3	4201.0	4196.3	4191.5	4191.5	4139.4	4016.1	4001.8	3949.7
27.5°	4091.9	4101.5	4129.9	4125.1	4129.9	4101.5	4091.9	4073.0	3940.3	3926.0	3888.1
30°	4001.8	3992.4	3968.7	3949.7	3968.7	3992.4	4001.8	3973.4	3840.6	3802.7	3812.2
32.5°	3850.1	3826.4	3802.7	3788.5	3802.7	3826.4	3850.1	3840.6	3741.0	3688.9	3698.4
35°	3670.0	3674.7	3670.0	3655.8	3670.0	3674.7	3670.0	3679.4	3617.8	3570.4	3565.6
37.5°	3541.9	3551.4	3546.7	3527.7	3546.7	3551.4	3541.9	3532.5	3447.1	3432.9	3442.4
40°	3409.2	3414.0	3409.2	3394.9	3409.2	3414.0	3409.2	3390.2	3271.7	3276.4	3309.6
42.5°	3281.1	3276.4	3262.2	3252.7	3262.2	3276.4	3281.1	3252.7	3101.0	3086.8	3148.4
45°	3134.1	3138.9	3110.4	3096.2	3110.4	3138.9	3134.1	3115.2	2958.7	2920.8	2963.5
47.5°	2987.2	2987.2	2963.5	2949.2	2963.5	2987.2	2987.2	2963.5	2797.5	2759.6	2783.3
50°	2830.7	2826.0	2792.8	2788.0	2792.8	2826.0	2830.7	2816.5	2641.1	2607.8	2607.8
52.5°	2650.5	2650.5	2655.3	2664.7	2655.3	2650.5	2650.5	2655.3	2498.8	2465.6	2456.1
55°	2494.1	2498.8	2532.0	2541.5	2532.0	2498.8	2494.1	2494.1	2351.8	2318.7	2299.6
57.5°	2332.9	2332.9	2356.6	2356.6	2356.6	2332.9	2332.9	2323.3	2185.8	2157.4	2147.9
60°	2147.9	2157.4	2176.4	2171.6	2176.4	2157.4	2147.9	2138.4	2019.9	2000.9	1967.8
62.5°	1953.6	1963.0	1967.8	1958.2	1967.8	1963.0	1953.6	1925.1	1853.9	1839.7	1797.0
65°	1749.7	1759.1	1763.9	1754.3	1763.9	1759.1	1749.7	1735.4	1683.3	1659.5	1621.6
67.5°	1541.0	1536.2	1531.5	1550.4	1531.5	1536.2	1541.0	1522.0	1488.9	1469.8	1417.7
70°	1327.6	1327.6	1322.9	1332.4	1322.9	1327.6	1327.6	1313.4	1294.4	1280.2	1232.8
72.5°	1100.1	1095.3	1114.3	1100.1	1114.3	1095.3	1100.1	1095.3	1085.8	1071.6	1024.1
75°	877.2	886.6	877.2	891.4	877.2	886.6	877.2	881.9	877.2	867.7	834.5
77.5°	668.6	678.1	668.6	668.6	668.6	678.1	668.6	673.3	673.3	673.3	644.8
80°	474.2	469.4	469.4	464.7	469.4	469.4	474.2	474.2	478.9	469.4	459.9
82.5°	303.5	298.7	298.7	308.2	298.7	298.7	303.5	308.2	298.7	298.7	298.7
85°	166.0	170.7	161.2	161.2	161.2	170.7	166.0	156.4	166.0	166.0	161.2
87.5°	61.6	56.9	56.9	56.9	56.9	56.9	61.6	66.4	66.4	66.4	71.1
90°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	14.2	19.0	21.3	18.3
92.5°	53.3	51.2	42.8	34.3	42.8	51.2	53.3	75.6	105.3	120.1	105.4
95°	181.0	174.6	148.9	123.2	148.9	174.6	181.0	237.7	313.3	351.1	296.5
97.5°	417.9	405.6	356.8	307.8	356.8	405.6	417.9	453.7	501.5	525.4	434.4
100°	586.8	572.3	514.1	455.8	514.1	572.3	586.8	584.2	580.8	579.0	478.0
102.5°	731.0	718.5	668.7	618.8	668.7	718.5	731.0	685.4	624.6	594.1	491.8
105°	899.4	892.7	865.9	839.1	865.9	892.7	899.4	797.1	660.6	592.4	493.2
107.5°	987.1	988.6	995.2	1001.6	995.2	988.6	987.1	844.2	653.9	558.7	471.3
110°	1009.5	1016.5	1044.4	1072.3	1044.4	1016.5	1009.5	849.8	637.1	530.7	451.9



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	995.2	1005.9	1048.8	1091.7	1048.8	1005.9	995.2	831.8	614.1	505.2	434.9
115°	946.6	961.5	1021.0	1080.5	1021.0	961.5	946.6	789.2	579.5	474.6	415.3
117.5°	879.5	896.1	962.0	1028.0	962.0	896.1	879.5	737.6	548.3	453.6	403.2
120°	834.3	850.4	914.5	978.6	914.5	850.4	834.3	704.6	531.5	445.1	399.0
122.5°	789.1	804.9	868.2	931.5	868.2	804.9	789.1	672.3	516.5	438.6	396.9
125°	729.4	743.9	802.1	860.4	802.1	743.9	729.4	630.1	497.7	431.6	395.2
127.5°	681.4	693.7	742.8	791.9	742.8	693.7	681.4	596.2	482.5	425.7	394.1
130°	651.1	662.5	707.9	753.3	707.9	662.5	651.1	575.3	474.1	423.5	394.7
132.5°	625.3	635.5	676.1	716.8	676.1	635.5	625.3	557.4	466.8	421.5	395.2
135°	588.8	597.6	632.6	667.6	632.6	597.6	588.8	531.9	456.1	418.2	394.8
137.5°	561.8	569.0	597.7	626.4	597.7	569.0	561.8	513.7	449.6	417.6	397.2
140°	540.2	547.0	573.8	600.6	573.8	547.0	540.2	498.7	443.3	415.6	397.6
142.5°	525.1	530.9	554.0	577.0	554.0	530.9	525.1	488.6	439.9	415.6	399.0
145°	502.3	506.7	524.2	541.6	524.2	506.7	502.3	472.5	432.7	412.8	399.0
147.5°	483.3	486.9	501.4	515.8	501.4	486.9	483.3	459.8	428.5	412.8	401.8
150°	472.3	475.2	487.0	498.7	487.0	475.2	472.3	452.5	426.1	412.8	403.2
152.5°	463.6	465.9	474.7	483.5	474.7	465.9	463.6	446.7	424.1	412.8	404.1
155°	453.3	454.8	460.6	466.4	460.6	454.8	453.3	439.8	421.8	412.8	406.2
157.5°	444.2	445.2	449.4	453.6	449.4	445.2	444.2	433.7	419.8	412.8	408.3
160°	439.7	440.3	442.7	445.1	442.7	440.3	439.7	430.8	418.8	412.8	409.2
162.5°	435.5	436.1	438.3	440.6	438.3	436.1	435.5	428.0	417.9	412.8	410.2
165°	429.1	429.6	432.1	434.4	432.1	429.6	429.1	423.7	416.5	412.8	411.6
167.5°	426.3	426.6	427.5	428.5	427.5	426.6	426.3	422.7	418.0	415.6	414.6
170°	426.3	426.3	426.3	426.3	426.3	426.3	426.3	422.7	418.0	415.6	415.5
172.5°	424.0	423.8	422.9	422.1	422.9	423.8	424.0	421.2	417.5	415.6	415.6
175°	421.0	421.0	421.0	421.0	421.0	421.0	421.0	419.2	416.8	415.6	416.2
177.5°	420.4	420.1	419.2	418.2	419.2	420.1	420.4	419.0	417.1	416.2	416.7
180°	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	5011.8	5011.8	5011.8	5011.8	5011.8
2.5°	4950.2	4973.9	4988.1	5007.1	5054.5
5°	4760.5	4850.6	4879.0	4950.2	5035.5
7.5°	4343.3	4618.3	4694.1	4864.8	4997.6
10°	3940.3	4215.2	4348.0	4751.1	4950.2
12.5°	3736.4	3897.6	3987.6	4551.8	4883.8
15°	3608.3	3722.1	3788.5	4286.3	4808.0
17.5°	3508.8	3589.4	3636.8	4025.5	4703.6
20°	3447.1	3485.0	3527.7	3835.9	4585.1
22.5°	3404.4	3380.7	3414.0	3703.1	4423.9
25°	3375.9	3285.9	3323.8	3598.8	4234.2
27.5°	3399.7	3200.5	3214.7	3504.0	4035.1
30°	3404.4	3096.2	3101.0	3404.4	3812.2
32.5°	3371.3	2987.2	2991.9	3281.1	3560.9
35°	3290.7	2859.2	2854.4	3138.9	3219.5
37.5°	3181.6	2721.7	2721.7	2982.4	2845.0
40°	3048.9	2584.1	2598.4	2778.6	2513.0
42.5°	2887.6	2437.2	2456.1	2508.3	2266.4
45°	2712.1	2294.9	2309.1	2119.4	2076.7
47.5°	2517.8	2147.9	2152.7	1759.1	2015.2
50°	2285.4	1996.1	1977.2	1507.8	2010.4
52.5°	2081.5	1830.3	1773.3	1365.6	1825.5
55°	1882.4	1654.8	1531.5	1256.5	1692.7
57.5°	1707.0	1427.2	1308.6	1128.5	1664.3
60°	1545.8	1204.4	1114.3	991.0	1526.8
62.5°	1413.0	1038.4	1019.5	896.2	1384.6
65°	1270.7	924.6	919.9	815.6	1175.9
67.5°	1133.2	848.7	844.0	739.6	896.2
70°	986.2	768.1	758.7	659.0	663.8
72.5°	834.5	678.1	668.6	592.7	550.0
75°	682.8	573.8	569.0	516.8	445.7
77.5°	535.8	455.2	464.7	417.2	327.2
80°	384.1	331.9	341.4	298.7	246.6
82.5°	256.0	218.1	227.6	189.7	166.0
85°	142.2	123.3	128.1	99.6	75.8
87.5°	66.4	56.9	56.9	37.9	23.7
90°	12.3	7.8	7.3	5.0	2.8
92.5°	76.1	54.2	49.4	30.3	11.2
95°	187.4	105.5	96.8	61.8	26.9
97.5°	252.4	115.9	108.3	77.4	46.6
100°	276.1	124.6	117.6	89.7	61.7
102.5°	286.9	133.3	126.7	100.7	74.6
105°	295.0	146.2	140.7	118.6	96.6
107.5°	296.5	165.3	160.2	139.5	119.0
110°	294.2	176.0	171.3	152.7	134.1



TEST NUMBER: P934205

CATALOG NUMBER: SQ4-FA-025U-125D-B50-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	294.3	188.9	184.5	166.7	149.1
115°	297.0	208.3	204.2	187.8	171.5
117.5°	302.5	227.1	223.3	208.5	193.6
120°	307.0	238.0	234.5	220.5	206.5
122.5°	313.5	250.9	247.3	233.3	219.2
125°	322.2	267.5	264.3	251.4	238.5
127.5°	330.9	283.5	280.2	267.2	254.2
130°	337.3	294.1	290.7	276.7	262.6
132.5°	342.4	302.8	299.3	285.3	271.4
135°	348.0	312.9	309.7	297.0	284.3
137.5°	356.4	325.8	322.6	310.1	297.5
140°	361.6	334.6	331.7	320.0	308.4
142.5°	365.8	341.0	338.3	327.6	316.8
145°	371.5	350.8	348.5	339.1	329.8
147.5°	379.7	363.1	360.9	351.7	342.7
150°	384.0	369.6	367.5	359.3	351.1
152.5°	386.8	373.8	372.2	366.0	359.8
155°	392.9	383.0	381.9	377.2	372.7
157.5°	399.2	392.4	391.3	386.7	382.2
160°	402.0	396.6	395.7	392.2	388.7
162.5°	405.0	401.1	400.4	397.8	395.2
165°	409.3	407.5	406.9	404.5	402.2
167.5°	412.6	411.1	410.9	409.7	408.6
170°	415.4	415.3	415.1	413.9	412.8
172.5°	415.6	415.6	415.5	415.3	415.1
175°	417.3	418.2	418.2	418.2	418.2
177.5°	417.5	418.2	418.2	418.2	418.2
180°	418.2	418.2	418.2	418.2	418.2



TEST NUMBER: P934205  
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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	16.95	18.21	17.56	18.83	19.54	19.80	21.06	20.41	21.68	22.39
	3H	17.45	18.58	18.08	19.22	19.97	21.18	22.31	21.81	22.95	23.69
	4H	17.66	18.73	18.31	19.38	20.14	21.64	22.71	22.29	23.36	24.12
	6H	17.80	18.79	18.46	19.44	20.22	21.96	22.94	22.62	23.60	24.38
	8H	17.81	18.75	18.48	19.43	20.21	22.04	22.98	22.72	23.66	24.44
	12H	17.80	18.69	18.47	19.37	20.17	22.10	23.00	22.78	23.67	24.48
4H	2H	18.03	19.10	18.68	19.75	20.51	20.25	21.32	20.90	21.97	22.73
	3H	19.09	19.98	19.76	20.67	21.45	21.80	22.69	22.46	23.38	24.16
	4H	19.39	20.19	20.07	20.88	21.69	22.35	23.16	23.03	23.85	24.66
	6H	19.53	20.23	20.23	20.95	21.77	22.74	23.44	23.44	24.16	24.98
	8H	19.55	20.20	20.25	20.92	21.75	22.86	23.52	23.57	24.23	25.06
	12H	19.53	20.12	20.26	20.86	21.70	22.94	23.53	23.67	24.27	25.11
8H	4H	19.87	20.53	20.58	21.24	22.08	22.50	23.16	23.21	23.87	24.71
	6H	20.15	20.69	20.89	21.45	22.29	22.96	23.51	23.70	24.26	25.10
	8H	20.20	20.68	20.95	21.44	22.29	23.12	23.61	23.87	24.37	25.22
	12H	20.20	20.63	20.95	21.38	22.29	23.24	23.67	23.99	24.42	25.33
12H	4H	19.90	20.49	20.63	21.23	22.06	22.49	23.08	23.21	23.81	24.65
	6H	20.22	20.70	20.97	21.46	22.31	22.96	23.45	23.71	24.21	25.06
	8H	20.30	20.73	21.05	21.48	22.39	23.15	23.57	23.90	24.32	25.23