

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: P935510

Luminaire Tested: SQ4-FA-125U-075D-830-1D-UNV-STD-W-4

Issue Date: 12/17/2024

**Test Information**

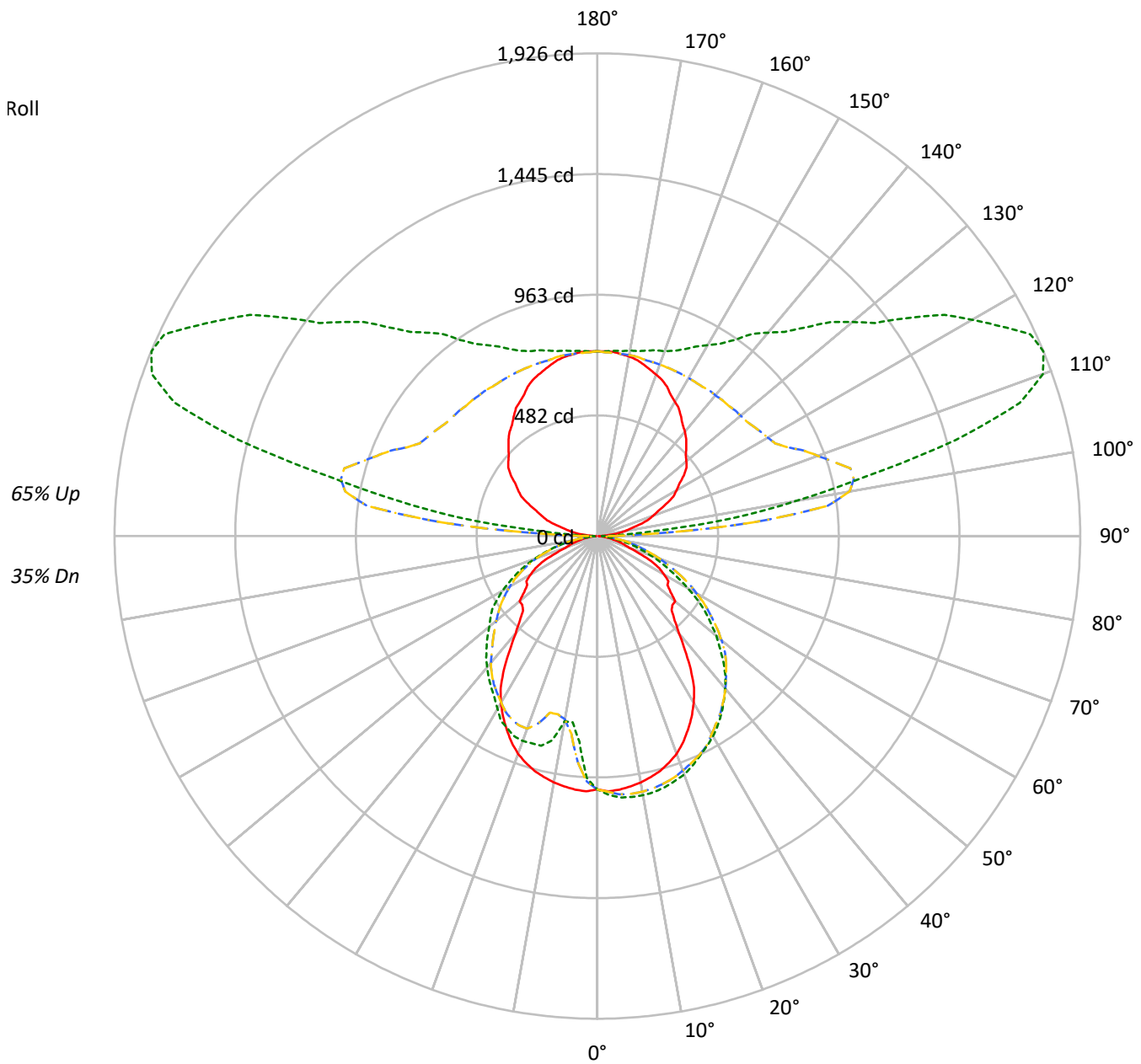
Test Method: LM-79-2019  
Report Number: P935510  
REPORT IS A COMBINATION OF REPORTS P933758 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-075D-830-1D-UNV-STD-W-4  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7404.2 lumens  
Efficiency: N/A  
Efficacy: 133.2 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 55.6  
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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35				35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30				30
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25				25
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21				21
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18				18
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16				16
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14				14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12				12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11				11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10				10
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9				9

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

	0°	90°	180°	270°
0°	9378	9378	9378	9378
5°	9437	9467	9437	7443
10°	9364	9326	9364	6667
15°	9252	9124	9252	7617
20°	9047	8883	9047	7634
25°	8641	8534	8641	7472
30°	8119	8244	8119	7116
35°	7228	7878	7228	6727
40°	6013	7446	6013	6432
45°	5362	6942	5362	6093
50°	5683	6339	5683	5752
55°	5333	5690	5333	5555
60°	5475	4833	5475	5088
65°	4941	3994	4941	4466
70°	3397	3183	3397	3742
75°	2948	2353	2948	2817
80°	2326	1555	2326	1694
85°	1267	823	1267	700

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 8233 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.2	1.2
10°-20°	259.0	3.5
20°-30°	400.4	5.4
30°-40°	478.0	6.5
40°-50°	480.8	6.5
50°-60°	418.4	5.7
60°-70°	296.6	4.0
70°-80°	156.9	2.1
80°-90°	41.9	0.6
90°-100°	359.5	4.9
100°-110°	945.2	12.8
110°-120°	980.0	13.2
120°-130°	786.1	10.6
130°-140°	616.8	8.3
140°-150°	473.4	6.4
150°-160°	340.9	4.6
160°-170°	208.6	2.8
170°-180°	70.5	1.0
0°-30°	750.6	10.1
0°-40°	1228.6	16.6
0°-60°	2127.8	28.7
0°-90°	2623.2	35.4
90°-120°	2284.7	30.9
90°-150°	4161.0	56.2
90°-180°	4781.0	64.6
0°-180°	7404.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1011	1011	1011	1011	1011	
5°	1015	1047	1015	823	1015	96
15°	970	1038	970	866	970	273
25°	854	968	854	847	854	392
35°	649	863	649	737	649	402
45°	419	711	419	624	419	335
55°	341	525	341	512	341	314
65°	237	316	237	354	237	227
75°	90	150	90	180	90	94
85°	15	38	15	32	15	21
90°	5	19	5	19	5	5
95°	48	217	48	217	48	53
105°	170	1480	170	1480	170	180
115°	302	1906	302	1906	302	299
125°	421	1518	421	1518	421	374
135°	501	1178	501	1178	501	388
145°	582	955	582	955	582	364
155°	657	823	657	823	657	302
165°	709	766	709	766	709	200
175°	738	742	738	742	738	70
180°	738	738	738	738	738	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6
2.5°	1019.2	1019.2	1025.0	1026.9	1026.9	1024.1	1021.2	1024.1	1032.7	1035.5	1034.6
5°	1015.4	1023.1	1033.6	1035.5	1037.5	1036.5	1034.6	1036.5	1046.1	1048.0	1048.9
7.5°	1007.7	1022.2	1035.5	1038.4	1041.3	1038.4	1037.5	1039.4	1048.9	1050.8	1050.8
10°	998.2	1018.2	1033.6	1035.5	1038.4	1035.5	1035.5	1039.4	1048.9	1050.8	1051.8
12.5°	984.8	1012.5	1026.9	1028.8	1032.7	1031.7	1030.8	1034.6	1044.1	1046.1	1046.1
15°	969.5	1002.0	1015.4	1017.3	1024.1	1022.2	1022.2	1026.0	1036.5	1039.4	1038.4
17.5°	948.4	988.6	1003.9	1006.8	1011.5	1010.6	1011.5	1015.4	1025.0	1026.9	1027.9
20°	924.5	970.4	988.6	991.5	996.2	996.2	996.2	1001.0	1010.6	1014.4	1014.4
22.5°	892.0	951.3	970.4	972.3	978.1	978.1	980.0	986.7	995.3	996.2	996.2
25°	853.8	930.3	946.5	952.3	958.0	960.9	963.7	967.6	970.4	969.5	970.4
27.5°	813.7	903.5	924.5	928.4	936.0	938.9	942.7	943.7	944.6	947.5	945.6
30°	768.7	866.2	897.8	901.6	914.0	915.9	912.1	914.0	918.8	920.7	922.6
32.5°	718.1	810.8	870.1	878.7	890.1	884.4	883.4	886.3	894.0	894.0	895.9
35°	649.2	767.8	844.2	851.9	860.5	853.8	857.6	858.6	863.4	866.2	865.3
37.5°	573.7	730.5	817.5	823.2	829.9	821.3	827.0	829.9	833.7	831.8	831.8
40°	506.8	672.2	785.9	789.8	795.5	788.8	794.5	796.4	798.4	796.4	795.5
42.5°	457.1	608.1	752.5	757.2	753.4	758.2	760.1	763.9	761.1	757.2	757.2
45°	418.8	590.9	716.1	721.9	716.1	723.8	726.7	726.7	718.1	716.1	715.2
47.5°	406.4	556.5	679.8	679.8	676.9	686.5	691.3	684.6	676.0	673.1	673.1
50°	405.4	518.2	630.1	626.3	639.7	651.1	646.4	639.7	633.0	622.5	622.5
52.5°	368.2	471.4	566.0	580.4	601.4	608.1	600.5	593.8	582.3	577.5	573.7
55°	341.4	422.6	507.7	536.4	558.4	567.0	552.7	546.0	528.8	525.9	524.0
57.5°	335.6	351.9	454.2	490.5	517.3	516.3	507.7	495.3	481.0	478.1	477.1
60°	307.8	254.3	396.8	439.9	467.6	464.7	457.1	445.6	432.2	430.3	428.4
62.5°	279.2	184.5	331.7	380.6	419.8	418.8	412.1	394.9	385.4	380.6	376.8
65°	237.1	154.9	236.1	316.4	372.9	374.8	360.5	348.1	337.5	331.7	330.8
67.5°	180.7	126.2	159.7	263.9	327.9	326.0	307.8	302.1	288.7	285.8	280.1
70°	133.8	84.1	110.9	214.1	283.9	279.2	264.8	258.1	245.7	239.0	235.2
72.5°	110.9	67.9	81.3	166.3	239.0	233.3	220.8	213.2	202.7	196.9	193.1
75°	89.9	71.7	62.1	123.3	194.1	190.2	178.8	171.1	162.5	154.9	155.8
77.5°	66.0	66.9	49.7	90.8	153.9	148.2	141.5	131.9	128.1	120.5	120.5
80°	49.7	52.6	37.3	62.1	110.9	110.9	105.2	98.5	91.8	88.0	88.0
82.5°	33.5	33.5	27.7	39.2	75.5	72.7	68.8	66.9	63.1	61.2	61.2
85°	15.3	19.1	17.2	23.9	41.1	43.0	43.0	41.1	40.2	38.2	39.2
87.5°	4.8	8.6	10.5	13.4	21.0	22.0	22.9	22.9	22.9	23.9	23.9
90°	5.0	8.9	12.9	13.9	21.8	32.3	37.6	33.4	25.0	18.8	18.8
92.5°	19.8	53.4	87.1	95.5	134.3	186.0	211.8	185.7	133.4	94.1	90.3
95°	47.5	109.1	170.7	186.1	330.5	522.9	619.2	552.6	419.3	319.3	307.9
97.5°	82.1	136.4	190.8	204.4	445.1	766.0	926.6	884.4	800.2	737.0	715.5
100°	108.9	158.2	207.5	219.8	486.9	843.0	1021.1	1024.2	1030.4	1035.0	1009.2
102.5°	131.6	177.6	223.6	235.1	506.0	867.3	1047.9	1101.6	1209.0	1289.5	1267.5
105°	170.3	209.3	248.2	257.9	520.3	870.1	1044.9	1165.3	1405.9	1586.4	1574.5
107.5°	209.8	246.2	282.5	291.6	522.9	831.3	985.5	1153.4	1489.1	1740.8	1743.6
110°	236.6	269.4	302.1	310.3	518.9	797.0	936.0	1123.7	1499.0	1780.5	1792.8



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	262.8	294.1	325.2	333.1	519.0	767.0	891.0	1083.1	1467.2	1755.2	1774.1
115°	302.4	331.3	360.1	367.3	523.9	732.6	837.0	1022.0	1392.0	1669.6	1695.8
117.5°	341.6	367.8	394.0	400.5	533.6	711.2	799.9	966.8	1300.7	1551.2	1580.3
120°	364.3	389.0	413.7	419.8	541.6	703.9	785.1	937.6	1242.7	1471.6	1499.9
122.5°	386.6	411.5	436.3	442.5	553.0	700.1	773.7	911.1	1185.8	1391.8	1419.8
125°	420.7	443.4	466.0	471.7	568.2	696.9	761.3	878.0	1111.4	1286.4	1312.1
127.5°	448.5	471.3	494.2	499.9	583.5	695.1	750.8	851.0	1051.5	1201.8	1223.5
130°	463.3	487.9	512.6	518.7	594.8	696.3	746.9	836.1	1014.5	1148.3	1168.3
132.5°	478.7	503.3	528.0	534.1	603.9	696.9	743.5	823.3	983.1	1102.8	1120.7
135°	501.4	523.9	546.3	551.9	613.8	696.3	737.6	804.5	938.2	1038.5	1054.0
137.5°	524.7	546.8	569.1	574.7	628.6	700.6	736.5	793.0	906.1	990.9	1003.5
140°	544.0	564.4	584.9	590.0	637.7	701.3	733.1	781.9	879.6	952.8	964.7
142.5°	558.8	577.7	596.6	601.4	645.3	703.8	733.1	776.0	861.7	926.1	936.2
145°	581.6	598.1	614.6	618.7	655.1	703.8	728.1	763.2	833.3	886.0	893.8
147.5°	604.4	620.4	636.5	640.5	669.7	708.6	728.1	755.7	811.0	852.4	858.8
150°	619.2	633.7	648.3	651.9	677.3	711.2	728.1	751.4	798.1	833.1	838.2
152.5°	634.6	645.6	656.6	659.4	682.3	712.8	728.1	748.0	787.8	817.7	821.6
155°	657.3	665.5	673.6	675.6	693.1	716.4	728.1	744.0	775.6	799.4	802.0
157.5°	674.2	682.1	689.9	692.0	704.0	720.1	728.1	740.4	765.1	783.5	785.4
160°	685.5	691.7	697.9	699.4	709.0	721.7	728.1	738.6	759.7	775.6	776.7
162.5°	696.9	701.5	706.2	707.3	714.2	723.5	728.1	737.0	754.9	768.2	769.2
165°	709.3	713.5	717.7	718.7	721.9	726.0	728.1	734.5	747.2	756.8	757.8
167.5°	720.7	722.6	724.6	725.1	727.8	731.3	733.1	737.3	745.6	751.9	752.4
170°	728.1	730.1	732.1	732.6	732.8	733.0	733.1	737.3	745.6	751.9	751.9
172.5°	732.1	732.5	733.0	733.1	733.1	733.1	733.1	736.3	742.9	747.9	747.5
175°	737.6	737.6	737.6	737.6	736.0	734.0	733.1	735.2	739.3	742.4	742.4
177.5°	737.6	737.6	737.6	737.6	736.4	734.8	734.0	735.6	739.0	741.5	741.0
180°	737.6	737.6	737.6	737.6	737.6	737.6	737.6	737.6	737.6	737.6	737.6



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6
2.5°	1036.5	1033.6	1036.5	1034.6	1035.5	1032.7	1024.1	1021.2	1024.1	1026.9	1026.9
5°	1048.9	1047.0	1048.9	1048.9	1048.0	1046.1	1036.5	1034.6	1036.5	1037.5	1035.5
7.5°	1052.7	1049.9	1052.7	1050.8	1050.8	1048.9	1039.4	1037.5	1038.4	1041.3	1038.4
10°	1052.7	1049.9	1052.7	1051.8	1050.8	1048.9	1039.4	1035.5	1035.5	1038.4	1035.5
12.5°	1048.0	1046.1	1048.0	1046.1	1046.1	1044.1	1034.6	1030.8	1031.7	1032.7	1028.8
15°	1040.3	1037.5	1040.3	1038.4	1039.4	1036.5	1026.0	1022.2	1022.2	1024.1	1017.3
17.5°	1028.8	1025.0	1028.8	1027.9	1026.9	1025.0	1015.4	1011.5	1010.6	1011.5	1006.8
20°	1015.4	1012.5	1015.4	1014.4	1014.4	1010.6	1001.0	996.2	996.2	996.2	991.5
22.5°	994.3	991.5	994.3	996.2	996.2	995.3	986.7	980.0	978.1	978.1	972.3
25°	970.4	967.6	970.4	970.4	969.5	970.4	967.6	963.7	960.9	958.0	952.3
27.5°	947.5	945.6	947.5	945.6	947.5	944.6	943.7	942.7	938.9	936.0	928.4
30°	924.5	922.6	924.5	922.6	920.7	918.8	914.0	912.1	915.9	914.0	901.6
32.5°	895.9	894.0	895.9	895.9	894.0	894.0	886.3	883.4	884.4	890.1	878.7
35°	866.2	863.4	866.2	865.3	866.2	863.4	858.6	857.6	853.8	860.5	851.9
37.5°	831.8	828.9	831.8	831.8	831.8	833.7	829.9	827.0	821.3	829.9	823.2
40°	796.4	792.6	796.4	795.5	796.4	798.4	796.4	794.5	788.8	795.5	789.8
42.5°	756.3	755.3	756.3	757.2	757.2	761.1	763.9	760.1	758.2	753.4	757.2
45°	713.3	711.4	713.3	715.2	716.1	718.1	726.7	726.7	723.8	716.1	721.9
47.5°	667.4	662.6	667.4	673.1	673.1	676.0	684.6	691.3	686.5	676.9	679.8
50°	618.6	619.6	618.6	622.5	622.5	633.0	639.7	646.4	651.1	639.7	626.3
52.5°	570.8	569.9	570.8	573.7	577.5	582.3	593.8	600.5	608.1	601.4	580.4
55°	523.0	524.9	523.0	524.0	525.9	528.8	546.0	552.7	567.0	558.4	536.4
57.5°	475.2	472.4	475.2	477.1	478.1	481.0	495.3	507.7	516.3	517.3	490.5
60°	419.8	416.0	419.8	428.4	430.3	432.2	445.6	457.1	464.7	467.6	439.9
62.5°	371.0	364.3	371.0	376.8	380.6	385.4	394.9	412.1	418.8	419.8	380.6
65°	319.3	316.4	319.3	330.8	331.7	337.5	348.1	360.5	374.8	372.9	316.4
67.5°	272.5	272.5	272.5	280.1	285.8	288.7	302.1	307.8	326.0	327.9	263.9
70°	229.4	228.5	229.4	235.2	239.0	245.7	258.1	264.8	279.2	283.9	214.1
72.5°	188.3	187.4	188.3	193.1	196.9	202.7	213.2	220.8	233.3	239.0	166.3
75°	152.0	150.1	152.0	155.8	154.9	162.5	171.1	178.8	190.2	194.1	123.3
77.5°	116.6	116.6	116.6	120.5	120.5	128.1	131.9	141.5	148.2	153.9	90.8
80°	87.0	86.0	87.0	88.0	88.0	91.8	98.5	105.2	110.9	110.9	62.1
82.5°	61.2	59.3	61.2	61.2	61.2	63.1	66.9	68.8	72.7	75.5	39.2
85°	38.2	38.2	38.2	39.2	38.2	40.2	41.1	43.0	43.0	41.1	23.9
87.5°	24.9	23.9	24.9	23.9	23.9	22.9	22.9	22.9	22.0	21.0	13.4
90°	18.8	18.8	18.8	18.8	18.8	25.0	33.4	37.6	32.3	21.8	13.9
92.5°	75.3	60.4	75.3	90.3	94.1	133.4	185.7	211.8	186.0	134.3	95.5
95°	262.6	217.3	262.6	307.9	319.3	419.3	552.6	619.2	522.9	330.5	186.1
97.5°	629.2	543.0	629.2	715.5	737.0	800.2	884.4	926.6	766.0	445.1	204.4
100°	906.6	803.8	906.6	1009.2	1035.0	1030.4	1024.2	1021.1	843.0	486.9	219.8
102.5°	1179.4	1091.5	1179.4	1267.5	1289.5	1209.0	1101.6	1047.9	867.3	506.0	235.1
105°	1527.3	1480.0	1527.3	1574.5	1586.4	1405.9	1165.3	1044.9	870.1	520.3	257.9
107.5°	1755.1	1766.6	1755.1	1743.6	1740.8	1489.1	1153.4	985.5	831.3	522.9	291.6
110°	1842.0	1891.3	1842.0	1792.8	1780.5	1499.0	1123.7	936.0	797.0	518.9	310.3





TEST NUMBER: P935510

CATALOG NUMBER: SQ4-FA-125U-075D-830-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1849.8	1925.5	1849.8	1774.1	1755.2	1467.2	1083.1	891.0	767.0	519.0	333.1
115°	1800.7	1905.7	1800.7	1695.8	1669.6	1392.0	1022.0	837.0	732.6	523.9	367.3
117.5°	1696.7	1813.1	1696.7	1580.3	1551.2	1300.7	966.8	799.9	711.2	533.6	400.5
120°	1612.9	1726.0	1612.9	1499.9	1471.6	1242.7	937.6	785.1	703.9	541.6	419.8
122.5°	1531.2	1642.8	1531.2	1419.8	1391.8	1185.8	911.1	773.7	700.1	553.0	442.5
125°	1414.8	1517.6	1414.8	1312.1	1286.4	1111.4	878.0	761.3	696.9	568.2	471.7
127.5°	1310.1	1396.8	1310.1	1223.5	1201.8	1051.5	851.0	750.8	695.1	583.5	499.9
130°	1248.4	1328.6	1248.4	1168.3	1148.3	1014.5	836.1	746.9	696.3	594.8	518.7
132.5°	1192.4	1264.1	1192.4	1120.7	1102.8	983.1	823.3	743.5	696.9	603.9	534.1
135°	1115.7	1177.5	1115.7	1054.0	1038.5	938.2	804.5	737.6	696.3	613.8	551.9
137.5°	1054.2	1104.8	1054.2	1003.5	990.9	906.1	793.0	736.5	700.6	628.6	574.7
140°	1011.9	1059.2	1011.9	964.7	952.8	879.6	781.9	733.1	701.3	637.7	590.0
142.5°	976.9	1017.7	976.9	936.2	926.1	861.7	776.0	733.1	703.8	645.3	601.4
145°	924.5	955.3	924.5	893.8	886.0	833.3	763.2	728.1	703.8	655.1	618.7
147.5°	884.2	909.7	884.2	858.8	852.4	811.0	755.7	728.1	708.6	669.7	640.5
150°	859.0	879.6	859.0	838.2	833.1	798.1	751.4	728.1	711.2	677.3	651.9
152.5°	837.2	852.8	837.2	821.6	817.7	787.8	748.0	728.1	712.8	682.3	659.4
155°	812.3	822.6	812.3	802.0	799.4	775.6	744.0	728.1	716.4	693.1	675.6
157.5°	792.6	799.9	792.6	785.4	783.5	765.1	740.4	728.1	720.1	704.0	692.0
160°	780.9	785.1	780.9	776.7	775.6	759.7	738.6	728.1	721.7	709.0	699.4
162.5°	773.2	777.1	773.2	769.2	768.2	754.9	737.0	728.1	723.5	714.2	707.3
165°	762.0	766.2	762.0	757.8	756.8	747.2	734.5	728.1	726.0	721.9	718.7
167.5°	754.1	755.8	754.1	752.4	751.9	745.6	737.3	733.1	731.3	727.8	725.1
170°	751.9	751.9	751.9	751.9	751.9	745.6	737.3	733.1	733.0	732.8	732.6
172.5°	746.0	744.4	746.0	747.5	747.9	742.9	736.3	733.1	733.1	733.1	733.1
175°	742.4	742.4	742.4	742.4	742.4	739.3	735.2	733.1	734.0	736.0	737.6
177.5°	739.3	737.6	739.3	741.0	741.5	739.0	735.6	734.0	734.8	736.4	737.6
180°	737.6	737.6	737.6	737.6	737.6	737.6	737.6	737.6	737.6	737.6	737.6



TEST NUMBER: P935510  
 CATALOG NUMBER: SQ4-FA-125U-075D-830-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6
2.5°	1025.0	1019.2	1019.2	1009.6	1005.8	1002.9	998.2	983.8	980.0	976.2	981.9
5°	1033.6	1023.1	1015.4	998.2	983.8	978.1	959.9	925.5	902.6	885.4	875.8
7.5°	1035.5	1022.2	1007.7	981.0	946.5	931.2	875.8	812.7	795.5	780.2	770.6
10°	1033.6	1018.2	998.2	958.0	876.7	850.0	794.5	753.4	742.9	740.0	742.9
12.5°	1026.9	1012.5	984.8	917.9	804.1	785.9	753.4	729.5	727.6	732.4	758.2
15°	1015.4	1002.0	969.5	864.3	763.9	750.6	727.6	719.0	729.5	763.0	840.4
17.5°	1003.9	988.6	948.4	811.7	733.3	723.8	707.5	724.7	784.0	828.9	854.8
20°	988.6	970.4	924.5	773.5	711.4	702.8	695.1	772.5	817.5	833.7	848.1
22.5°	970.4	951.3	892.0	746.7	688.4	681.7	686.5	799.3	817.5	828.9	841.4
25°	946.5	930.3	853.8	725.7	670.3	662.6	680.8	796.4	807.0	809.8	834.7
27.5°	924.5	903.5	813.7	706.6	648.3	645.4	685.5	784.0	791.7	794.5	821.3
30°	897.8	866.2	768.7	686.5	625.3	624.4	686.5	768.7	766.8	774.5	801.2
32.5°	870.1	810.8	718.1	661.6	603.3	602.4	679.8	745.8	743.9	754.4	774.5
35°	844.2	767.8	649.2	633.0	575.6	576.6	663.6	719.0	720.0	729.5	742.0
37.5°	817.5	730.5	573.7	601.4	548.8	548.8	641.6	694.2	692.2	695.1	712.3
40°	785.9	672.2	506.8	560.3	524.0	521.1	614.8	667.4	660.7	659.7	683.6
42.5°	752.5	608.1	457.1	505.8	495.3	491.5	582.3	634.9	622.5	625.3	655.9
45°	716.1	590.9	418.8	427.4	465.7	462.8	546.9	597.6	589.0	596.6	628.2
47.5°	679.8	556.5	406.4	354.8	434.1	433.2	507.7	561.3	556.5	564.1	597.6
50°	630.1	518.2	405.4	304.0	398.7	402.6	460.9	525.9	525.9	532.6	568.0
52.5°	566.0	471.4	368.2	275.3	357.6	369.1	419.8	495.3	497.2	503.9	535.5
55°	507.7	422.6	341.4	253.3	308.8	333.6	379.6	463.8	467.6	474.3	503.0
57.5°	454.2	351.9	335.6	227.5	263.9	287.8	344.3	433.2	435.1	440.8	468.5
60°	396.8	254.3	307.8	199.8	224.7	242.8	311.7	396.8	403.5	407.4	431.3
62.5°	331.7	184.5	279.2	180.7	205.5	209.4	284.9	362.4	371.0	373.9	388.2
65°	236.1	154.9	237.1	164.4	185.5	186.4	256.2	327.0	334.6	339.4	350.0
67.5°	159.7	126.2	180.7	149.1	170.2	171.1	228.5	285.8	296.4	300.2	306.9
70°	110.9	84.1	133.8	132.9	153.0	154.9	198.8	248.6	258.1	261.0	264.8
72.5°	81.3	67.9	110.9	119.5	134.8	136.7	168.3	206.5	216.1	218.9	220.8
75°	62.1	71.7	89.9	104.2	114.7	115.7	137.7	168.3	174.9	176.9	177.8
77.5°	49.7	66.9	66.0	84.1	93.7	91.8	108.0	130.0	135.8	135.8	135.8
80°	37.3	52.6	49.7	60.2	68.8	66.9	77.4	92.7	94.6	96.6	95.6
82.5°	27.7	33.5	33.5	38.2	45.9	44.0	51.6	60.2	60.2	60.2	62.1
85°	17.2	19.1	15.3	20.1	25.8	24.9	28.7	32.5	33.5	33.5	31.5
87.5°	10.5	8.6	4.8	7.6	11.5	11.5	13.4	14.3	13.4	13.4	13.4
90°	12.9	8.9	5.0	8.9	12.9	13.9	21.8	32.3	37.6	33.4	25.0
92.5°	87.1	53.4	19.8	53.4	87.1	95.5	134.3	186.0	211.8	185.7	133.4
95°	170.7	109.1	47.5	109.1	170.7	186.1	330.5	522.9	619.2	552.6	419.3
97.5°	190.8	136.4	82.1	136.4	190.8	204.4	445.1	766.0	926.6	884.4	800.2
100°	207.5	158.2	108.9	158.2	207.5	219.8	486.9	843.0	1021.1	1024.2	1030.4
102.5°	223.6	177.6	131.6	177.6	223.6	235.1	506.0	867.3	1047.9	1101.6	1209.0
105°	248.2	209.3	170.3	209.3	248.2	257.9	520.3	870.1	1044.9	1165.3	1405.9
107.5°	282.5	246.2	209.8	246.2	282.5	291.6	522.9	831.3	985.5	1153.4	1489.1
110°	302.1	269.4	236.6	269.4	302.1	310.3	518.9	797.0	936.0	1123.7	1499.0



TEST NUMBER: P935510

CATALOG NUMBER: SQ4-FA-125U-075D-830-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	325.2	294.1	262.8	294.1	325.2	333.1	519.0	767.0	891.0	1083.1	1467.2
115°	360.1	331.3	302.4	331.3	360.1	367.3	523.9	732.6	837.0	1022.0	1392.0
117.5°	394.0	367.8	341.6	367.8	394.0	400.5	533.6	711.2	799.9	966.8	1300.7
120°	413.7	389.0	364.3	389.0	413.7	419.8	541.6	703.9	785.1	937.6	1242.7
122.5°	436.3	411.5	386.6	411.5	436.3	442.5	553.0	700.1	773.7	911.1	1185.8
125°	466.0	443.4	420.7	443.4	466.0	471.7	568.2	696.9	761.3	878.0	1111.4
127.5°	494.2	471.3	448.5	471.3	494.2	499.9	583.5	695.1	750.8	851.0	1051.5
130°	512.6	487.9	463.3	487.9	512.6	518.7	594.8	696.3	746.9	836.1	1014.5
132.5°	528.0	503.3	478.7	503.3	528.0	534.1	603.9	696.9	743.5	823.3	983.1
135°	546.3	523.9	501.4	523.9	546.3	551.9	613.8	696.3	737.6	804.5	938.2
137.5°	569.1	546.8	524.7	546.8	569.1	574.7	628.6	700.6	736.5	793.0	906.1
140°	584.9	564.4	544.0	564.4	584.9	590.0	637.7	701.3	733.1	781.9	879.6
142.5°	596.6	577.7	558.8	577.7	596.6	601.4	645.3	703.8	733.1	776.0	861.7
145°	614.6	598.1	581.6	598.1	614.6	618.7	655.1	703.8	728.1	763.2	833.3
147.5°	636.5	620.4	604.4	620.4	636.5	640.5	669.7	708.6	728.1	755.7	811.0
150°	648.3	633.7	619.2	633.7	648.3	651.9	677.3	711.2	728.1	751.4	798.1
152.5°	656.6	645.6	634.6	645.6	656.6	659.4	682.3	712.8	728.1	748.0	787.8
155°	673.6	665.5	657.3	665.5	673.6	675.6	693.1	716.4	728.1	744.0	775.6
157.5°	689.9	682.1	674.2	682.1	689.9	692.0	704.0	720.1	728.1	740.4	765.1
160°	697.9	691.7	685.5	691.7	697.9	699.4	709.0	721.7	728.1	738.6	759.7
162.5°	706.2	701.5	696.9	701.5	706.2	707.3	714.2	723.5	728.1	737.0	754.9
165°	717.7	713.5	709.3	713.5	717.7	718.7	721.9	726.0	728.1	734.5	747.2
167.5°	724.6	722.6	720.7	722.6	724.6	725.1	727.8	731.3	733.1	737.3	745.6
170°	732.1	730.1	728.1	730.1	732.1	732.6	732.8	733.0	733.1	737.3	745.6
172.5°	733.0	732.5	732.1	732.5	733.0	733.1	733.1	733.1	733.1	736.3	742.9
175°	737.6	737.6	737.6	737.6	737.6	737.6	736.0	734.0	733.1	735.2	739.3
177.5°	737.6	737.6	737.6	737.6	737.6	737.6	736.4	734.8	734.0	735.6	739.0
180°	737.6	737.6	737.6	737.6	737.6	737.6	737.6	737.6	737.6	737.6	737.6



TEST NUMBER: P935510  
 CATALOG NUMBER: SQ4-FA-125U-075D-830-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6	1010.6
2.5°	975.2	972.3	976.2	965.7	976.2	972.3	975.2	981.9	976.2	980.0	983.8
5°	855.7	850.9	835.6	823.2	835.6	850.9	855.7	875.8	885.4	902.6	925.5
7.5°	764.9	761.1	757.2	749.6	757.2	761.1	764.9	770.6	780.2	795.5	812.7
10°	744.8	745.8	751.5	750.6	751.5	745.8	744.8	742.9	740.0	742.9	753.4
12.5°	796.4	805.0	836.6	834.7	836.6	805.0	796.4	758.2	732.4	727.6	729.5
15°	855.7	858.6	865.3	866.2	865.3	858.6	855.7	840.4	763.0	729.5	719.0
17.5°	861.5	862.4	867.2	867.2	867.2	862.4	861.5	854.8	828.9	784.0	724.7
20°	856.7	858.6	868.1	870.1	868.1	858.6	856.7	848.1	833.7	817.5	772.5
22.5°	854.8	858.6	866.2	865.3	866.2	858.6	854.8	841.4	828.9	817.5	799.3
25°	845.2	845.2	846.2	847.1	846.2	845.2	845.2	834.7	809.8	807.0	796.4
27.5°	825.1	827.0	832.8	831.8	832.8	827.0	825.1	821.3	794.5	791.7	784.0
30°	807.0	805.0	800.3	796.4	800.3	805.0	807.0	801.2	774.5	766.8	768.7
32.5°	776.4	771.6	766.8	763.9	766.8	771.6	776.4	774.5	754.4	743.9	745.8
35°	740.0	741.0	740.0	737.2	740.0	741.0	740.0	742.0	729.5	720.0	719.0
37.5°	714.2	716.1	715.2	711.4	715.2	716.1	714.2	712.3	695.1	692.2	694.2
40°	687.5	688.4	687.5	684.6	687.5	688.4	687.5	683.6	659.7	660.7	667.4
42.5°	661.6	660.7	657.8	655.9	657.8	660.7	661.6	655.9	625.3	622.5	634.9
45°	632.0	633.0	627.2	624.4	627.2	633.0	632.0	628.2	596.6	589.0	597.6
47.5°	602.4	602.4	597.6	594.7	597.6	602.4	602.4	597.6	564.1	556.5	561.3
50°	570.8	569.9	563.2	562.2	563.2	569.9	570.8	568.0	532.6	525.9	525.9
52.5°	534.5	534.5	535.5	537.4	535.5	534.5	534.5	535.5	503.9	497.2	495.3
55°	503.0	503.9	510.6	512.5	510.6	503.9	503.0	503.0	474.3	467.6	463.8
57.5°	470.4	470.4	475.2	475.2	475.2	470.4	470.4	468.5	440.8	435.1	433.2
60°	433.2	435.1	438.9	437.9	438.9	435.1	433.2	431.3	407.4	403.5	396.8
62.5°	394.0	395.9	396.8	394.9	396.8	395.9	394.0	388.2	373.9	371.0	362.4
65°	352.9	354.8	355.7	353.8	355.7	354.8	352.9	350.0	339.4	334.6	327.0
67.5°	310.7	309.7	308.8	312.6	308.8	309.7	310.7	306.9	300.2	296.4	285.8
70°	267.7	267.7	266.7	268.6	266.7	267.7	267.7	264.8	261.0	258.1	248.6
72.5°	221.8	220.8	224.7	221.8	224.7	220.8	221.8	220.8	218.9	216.1	206.5
75°	176.9	178.8	176.9	179.7	176.9	178.8	176.9	177.8	176.9	174.9	168.3
77.5°	134.8	136.7	134.8	134.8	134.8	136.7	134.8	135.8	135.8	135.8	130.0
80°	95.6	94.6	94.6	93.7	94.6	94.6	95.6	95.6	96.6	94.6	92.7
82.5°	61.2	60.2	60.2	62.1	60.2	60.2	61.2	62.1	60.2	60.2	60.2
85°	33.5	34.4	32.5	32.5	32.5	34.4	33.5	31.5	33.5	33.5	32.5
87.5°	12.4	11.5	11.5	11.5	11.5	11.5	12.4	13.4	13.4	13.4	14.3
90°	18.8	18.8	18.8	18.8	18.8	18.8	18.8	25.0	33.4	37.6	32.3
92.5°	94.1	90.3	75.3	60.4	75.3	90.3	94.1	133.4	185.7	211.8	186.0
95°	319.3	307.9	262.6	217.3	262.6	307.9	319.3	419.3	552.6	619.2	522.9
97.5°	737.0	715.5	629.2	543.0	629.2	715.5	737.0	800.2	884.4	926.6	766.0
100°	1035.0	1009.2	906.6	803.8	906.6	1009.2	1035.0	1030.4	1024.2	1021.1	843.0
102.5°	1289.5	1267.5	1179.4	1091.5	1179.4	1267.5	1289.5	1209.0	1101.6	1047.9	867.3
105°	1586.4	1574.5	1527.3	1480.0	1527.3	1574.5	1586.4	1405.9	1165.3	1044.9	870.1
107.5°	1740.8	1743.6	1755.1	1766.6	1755.1	1743.6	1740.8	1489.1	1153.4	985.5	831.3
110°	1780.5	1792.8	1842.0	1891.3	1842.0	1792.8	1780.5	1499.0	1123.7	936.0	797.0



TEST NUMBER: P935510

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1755.2	1774.1	1849.8	1925.5	1849.8	1774.1	1755.2	1467.2	1083.1	891.0	767.0
115°	1669.6	1695.8	1800.7	1905.7	1800.7	1695.8	1669.6	1392.0	1022.0	837.0	732.6
117.5°	1551.2	1580.3	1696.7	1813.1	1696.7	1580.3	1551.2	1300.7	966.8	799.9	711.2
120°	1471.6	1499.9	1612.9	1726.0	1612.9	1499.9	1471.6	1242.7	937.6	785.1	703.9
122.5°	1391.8	1419.8	1531.2	1642.8	1531.2	1419.8	1391.8	1185.8	911.1	773.7	700.1
125°	1286.4	1312.1	1414.8	1517.6	1414.8	1312.1	1286.4	1111.4	878.0	761.3	696.9
127.5°	1201.8	1223.5	1310.1	1396.8	1310.1	1223.5	1201.8	1051.5	851.0	750.8	695.1
130°	1148.3	1168.3	1248.4	1328.6	1248.4	1168.3	1148.3	1014.5	836.1	746.9	696.3
132.5°	1102.8	1120.7	1192.4	1264.1	1192.4	1120.7	1102.8	983.1	823.3	743.5	696.9
135°	1038.5	1054.0	1115.7	1177.5	1115.7	1054.0	1038.5	938.2	804.5	737.6	696.3
137.5°	990.9	1003.5	1054.2	1104.8	1054.2	1003.5	990.9	906.1	793.0	736.5	700.6
140°	952.8	964.7	1011.9	1059.2	1011.9	964.7	952.8	879.6	781.9	733.1	701.3
142.5°	926.1	936.2	976.9	1017.7	976.9	936.2	926.1	861.7	776.0	733.1	703.8
145°	886.0	893.8	924.5	955.3	924.5	893.8	886.0	833.3	763.2	728.1	703.8
147.5°	852.4	858.8	884.2	909.7	884.2	858.8	852.4	811.0	755.7	728.1	708.6
150°	833.1	838.2	859.0	879.6	859.0	838.2	833.1	798.1	751.4	728.1	711.2
152.5°	817.7	821.6	837.2	852.8	837.2	821.6	817.7	787.8	748.0	728.1	712.8
155°	799.4	802.0	812.3	822.6	812.3	802.0	799.4	775.6	744.0	728.1	716.4
157.5°	783.5	785.4	792.6	799.9	792.6	785.4	783.5	765.1	740.4	728.1	720.1
160°	775.6	776.7	780.9	785.1	780.9	776.7	775.6	759.7	738.6	728.1	721.7
162.5°	768.2	769.2	773.2	777.1	773.2	769.2	768.2	754.9	737.0	728.1	723.5
165°	756.8	757.8	762.0	766.2	762.0	757.8	756.8	747.2	734.5	728.1	726.0
167.5°	751.9	752.4	754.1	755.8	754.1	752.4	751.9	745.6	737.3	733.1	731.3
170°	751.9	751.9	751.9	751.9	751.9	751.9	751.9	745.6	737.3	733.1	733.0
172.5°	747.9	747.5	746.0	744.4	746.0	747.5	747.9	742.9	736.3	733.1	733.1
175°	742.4	742.4	742.4	742.4	742.4	742.4	742.4	739.3	735.2	733.1	734.0
177.5°	741.5	741.0	739.3	737.6	739.3	741.0	741.5	739.0	735.6	734.0	734.8
180°	737.6	737.6	737.6	737.6	737.6	737.6	737.6	737.6	737.6	737.6	737.6



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1010.6	1010.6	1010.6	1010.6	1010.6
2.5°	998.2	1002.9	1005.8	1009.6	1019.2
5°	959.9	978.1	983.8	998.2	1015.4
7.5°	875.8	931.2	946.5	981.0	1007.7
10°	794.5	850.0	876.7	958.0	998.2
12.5°	753.4	785.9	804.1	917.9	984.8
15°	727.6	750.6	763.9	864.3	969.5
17.5°	707.5	723.8	733.3	811.7	948.4
20°	695.1	702.8	711.4	773.5	924.5
22.5°	686.5	681.7	688.4	746.7	892.0
25°	680.8	662.6	670.3	725.7	853.8
27.5°	685.5	645.4	648.3	706.6	813.7
30°	686.5	624.4	625.3	686.5	768.7
32.5°	679.8	602.4	603.3	661.6	718.1
35°	663.6	576.6	575.6	633.0	649.2
37.5°	641.6	548.8	548.8	601.4	573.7
40°	614.8	521.1	524.0	560.3	506.8
42.5°	582.3	491.5	495.3	505.8	457.1
45°	546.9	462.8	465.7	427.4	418.8
47.5°	507.7	433.2	434.1	354.8	406.4
50°	460.9	402.6	398.7	304.0	405.4
52.5°	419.8	369.1	357.6	275.3	368.2
55°	379.6	333.6	308.8	253.3	341.4
57.5°	344.3	287.8	263.9	227.5	335.6
60°	311.7	242.8	224.7	199.8	307.8
62.5°	284.9	209.4	205.5	180.7	279.2
65°	256.2	186.4	185.5	164.4	237.1
67.5°	228.5	171.1	170.2	149.1	180.7
70°	198.8	154.9	153.0	132.9	133.8
72.5°	168.3	136.7	134.8	119.5	110.9
75°	137.7	115.7	114.7	104.2	89.9
77.5°	108.0	91.8	93.7	84.1	66.0
80°	77.4	66.9	68.8	60.2	49.7
82.5°	51.6	44.0	45.9	38.2	33.5
85°	28.7	24.9	25.8	20.1	15.3
87.5°	13.4	11.5	11.5	7.6	4.8
90°	21.8	13.9	12.9	8.9	5.0
92.5°	134.3	95.5	87.1	53.4	19.8
95°	330.5	186.1	170.7	109.1	47.5
97.5°	445.1	204.4	190.8	136.4	82.1
100°	486.9	219.8	207.5	158.2	108.9
102.5°	506.0	235.1	223.6	177.6	131.6
105°	520.3	257.9	248.2	209.3	170.3
107.5°	522.9	291.6	282.5	246.2	209.8
110°	518.9	310.3	302.1	269.4	236.6



TEST NUMBER: P935510

CATALOG NUMBER: SQ4-FA-125U-075D-830-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	519.0	333.1	325.2	294.1	262.8
115°	523.9	367.3	360.1	331.3	302.4
117.5°	533.6	400.5	394.0	367.8	341.6
120°	541.6	419.8	413.7	389.0	364.3
122.5°	553.0	442.5	436.3	411.5	386.6
125°	568.2	471.7	466.0	443.4	420.7
127.5°	583.5	499.9	494.2	471.3	448.5
130°	594.8	518.7	512.6	487.9	463.3
132.5°	603.9	534.1	528.0	503.3	478.7
135°	613.8	551.9	546.3	523.9	501.4
137.5°	628.6	574.7	569.1	546.8	524.7
140°	637.7	590.0	584.9	564.4	544.0
142.5°	645.3	601.4	596.6	577.7	558.8
145°	655.1	618.7	614.6	598.1	581.6
147.5°	669.7	640.5	636.5	620.4	604.4
150°	677.3	651.9	648.3	633.7	619.2
152.5°	682.3	659.4	656.6	645.6	634.6
155°	693.1	675.6	673.6	665.5	657.3
157.5°	704.0	692.0	689.9	682.1	674.2
160°	709.0	699.4	697.9	691.7	685.5
162.5°	714.2	707.3	706.2	701.5	696.9
165°	721.9	718.7	717.7	713.5	709.3
167.5°	727.8	725.1	724.6	722.6	720.7
170°	732.8	732.6	732.1	730.1	728.1
172.5°	733.1	733.1	733.0	732.5	732.1
175°	736.0	737.6	737.6	737.6	737.6
177.5°	736.4	737.6	737.6	737.6	737.6
180°	737.6	737.6	737.6	737.6	737.6



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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	11.05	11.79	12.12	12.87	14.33	13.85	14.59	14.92	15.66	17.13
	3H	11.52	12.18	12.60	13.27	14.75	15.17	15.84	16.25	16.92	18.40
	4H	11.70	12.33	12.80	13.42	14.91	15.60	16.24	16.70	17.32	18.81
	6H	11.82	12.40	12.92	13.48	14.99	15.87	16.46	16.98	17.54	19.05
	8H	11.81	12.37	12.92	13.47	14.97	15.94	16.50	17.05	17.60	19.09
	12H	11.78	12.31	12.89	13.40	14.92	15.97	16.50	17.08	17.59	19.11
4H	2H	12.06	12.69	13.16	13.78	15.26	14.24	14.87	15.34	15.96	17.45
	3H	13.07	13.60	14.18	14.71	16.21	15.73	16.25	16.83	17.36	18.87
	4H	13.35	13.83	14.46	14.93	16.45	16.24	16.73	17.35	17.83	19.35
	6H	13.46	13.88	14.58	15.00	16.52	16.59	17.01	17.71	18.13	19.65
	8H	13.47	13.85	14.59	14.97	16.50	16.69	17.08	17.81	18.20	19.73
	12H	13.43	13.78	14.56	14.91	16.44	16.74	17.09	17.87	18.22	19.75
8H	4H	13.78	14.17	14.90	15.29	16.82	16.36	16.75	17.48	17.86	19.39
	6H	14.04	14.36	15.18	15.52	17.05	16.78	17.10	17.92	18.26	19.79
	8H	14.08	14.36	15.23	15.50	17.05	16.93	17.21	18.07	18.35	19.89
	12H	14.06	14.31	15.21	15.44	17.03	17.02	17.26	18.17	18.40	19.98
12H	4H	13.78	14.13	14.92	15.26	16.80	16.32	16.67	17.45	17.80	19.33
	6H	14.10	14.38	15.25	15.52	17.07	16.78	17.06	17.93	18.20	19.75
	8H	14.16	14.41	15.31	15.54	17.12	16.93	17.18	18.08	18.31	19.89