

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: P935585

Luminaire Tested: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935585
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-B2750-1D-UNV-STD-W-4-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

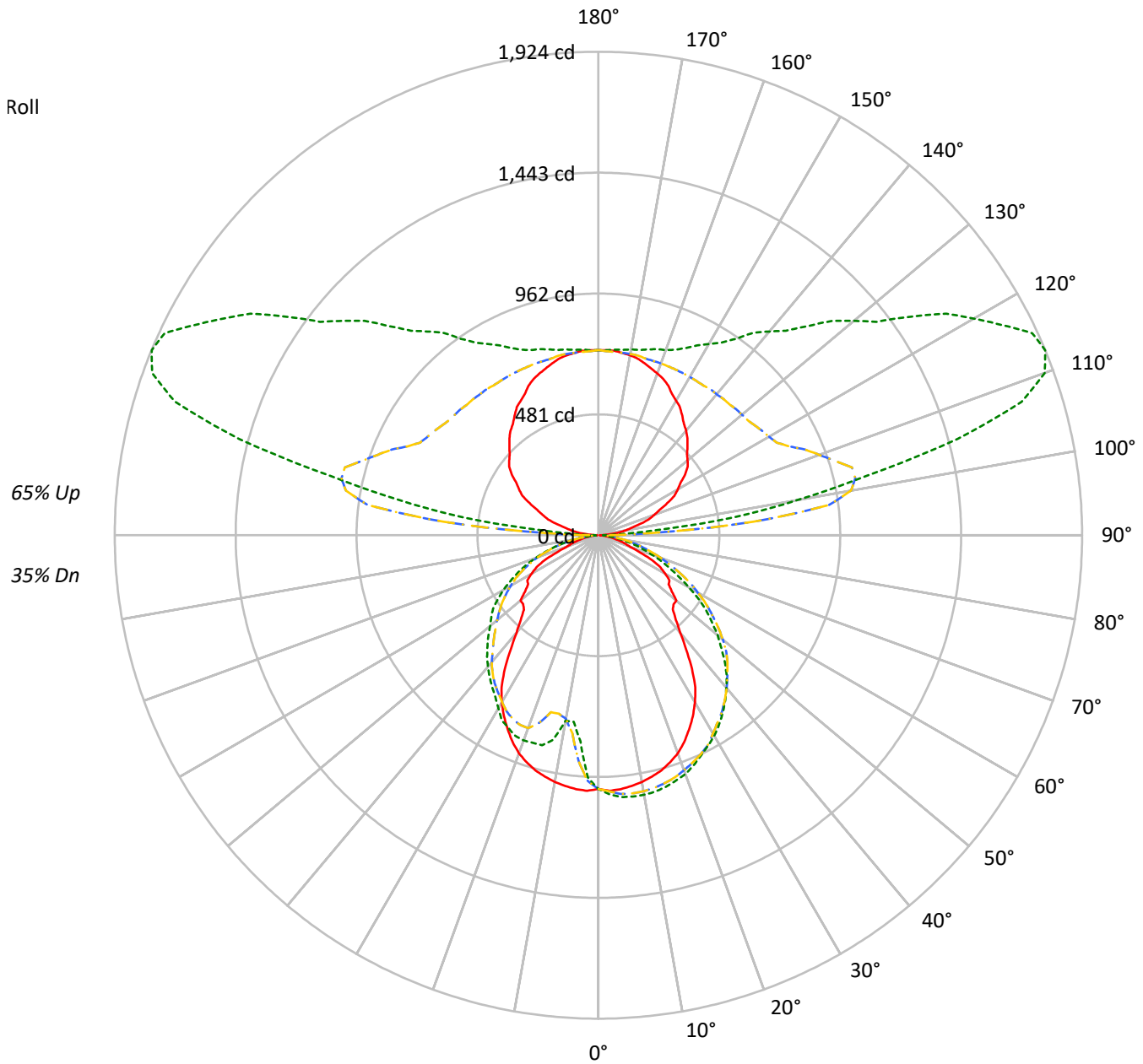
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7396.5 lumens
Efficiency: N/A
Efficacy: 133.0 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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CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-4000K

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	
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	0
RCR																		
0	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9367	9367	9367	9367
5°	9427	9457	9427	7436
10°	9354	9316	9354	6660
15°	9242	9114	9242	7609
20°	9038	8874	9038	7625
25°	8632	8526	8632	7464
30°	8111	8236	8111	7109
35°	7220	7870	7220	6719
40°	6006	7439	6006	6425
45°	5357	6934	5357	6086
50°	5677	6332	5677	5746
55°	5326	5684	5326	5550
60°	5470	4828	5470	5083
65°	4935	3990	4935	4461
70°	3394	3179	3394	3739
75°	2945	2350	2945	2814
80°	2326	1555	2326	1692
85°	1267	823	1267	700

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8225 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.1	1.2
10°-20°	258.7	3.5
20°-30°	400.0	5.4
30°-40°	477.5	6.5
40°-50°	480.3	6.5
50°-60°	417.9	5.7
60°-70°	296.3	4.0
70°-80°	156.7	2.1
80°-90°	41.9	0.6
90°-100°	359.1	4.9
100°-110°	944.2	12.8
110°-120°	979.0	13.2
120°-130°	785.3	10.6
130°-140°	616.2	8.3
140°-150°	472.9	6.4
150°-160°	340.6	4.6
160°-170°	208.4	2.8
170°-180°	70.4	1.0
0°-30°	749.8	10.1
0°-40°	1227.3	16.6
0°-60°	2125.6	28.7
0°-90°	2620.4	35.4
90°-120°	2282.3	30.9
90°-150°	4156.6	56.2
90°-180°	4776.0	64.6
0°-180°	7396.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1010	1010	1010	1010	1010	
5°	1014	1046	1014	822	1014	96
15°	968	1036	968	865	968	272
25°	853	967	853	846	853	392
35°	648	862	648	736	648	401
45°	418	711	418	624	418	335
55°	341	524	341	512	341	313
65°	237	316	237	353	237	226
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	1478	170	1478	170	180
115°	302	1904	302	1904	302	298
125°	420	1516	420	1516	420	373
135°	501	1176	501	1176	501	388
145°	581	954	581	954	581	364
155°	657	822	657	822	657	302
165°	708	765	708	765	708	200
175°	737	742	737	742	737	70
180°	737	737	737	737	737	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5
2.5°	1018.1	1018.1	1024.0	1025.9	1025.9	1023.0	1020.1	1023.0	1031.6	1034.5	1033.5
5°	1014.3	1022.0	1032.5	1034.5	1036.4	1035.4	1033.5	1035.4	1045.0	1046.9	1047.8
7.5°	1006.7	1021.1	1034.5	1037.3	1040.2	1037.3	1036.4	1038.3	1047.8	1049.7	1049.7
10°	997.1	1017.2	1032.5	1034.5	1037.3	1034.5	1034.5	1038.3	1047.8	1049.7	1050.7
12.5°	983.7	1011.4	1025.9	1027.8	1031.6	1030.6	1029.7	1033.5	1043.1	1045.0	1045.0
15°	968.5	1000.9	1014.3	1016.2	1023.0	1021.1	1021.1	1024.9	1035.4	1038.3	1037.3
17.5°	947.5	987.6	1002.8	1005.7	1010.5	1009.5	1010.5	1014.3	1024.0	1025.9	1026.8
20°	923.6	969.4	987.6	990.4	995.2	995.2	995.2	1000.0	1009.5	1013.4	1013.4
22.5°	891.1	950.3	969.4	971.3	977.1	977.1	979.0	985.7	994.3	995.2	995.2
25°	852.9	929.3	945.5	951.3	957.0	959.9	962.7	966.6	969.4	968.5	969.4
27.5°	812.8	902.6	923.6	927.4	935.0	937.9	941.7	942.7	943.6	946.5	944.6
30°	767.9	865.3	896.8	900.7	913.1	915.0	911.2	913.1	917.9	919.8	921.7
32.5°	717.3	809.9	869.1	877.7	889.2	883.5	882.5	885.4	893.0	893.0	894.9
35°	648.5	767.0	843.4	851.0	859.6	852.9	856.7	857.7	862.5	865.3	864.4
37.5°	573.1	729.7	816.6	822.4	829.0	820.4	826.2	829.0	832.9	830.9	830.9
40°	506.2	671.5	785.1	788.9	794.7	788.0	793.7	795.6	797.5	795.6	794.7
42.5°	456.6	607.5	751.7	756.5	752.6	757.4	759.3	763.1	760.3	756.5	756.5
45°	418.4	590.3	715.4	721.1	715.4	723.0	725.9	725.9	717.3	715.4	714.4
47.5°	406.0	555.9	679.1	679.1	676.2	685.8	690.6	683.9	675.3	672.4	672.4
50°	405.0	517.7	629.4	625.6	639.0	650.5	645.7	639.0	632.3	621.8	621.8
52.5°	367.8	470.9	565.5	579.8	600.8	607.5	599.8	593.2	581.7	576.9	573.1
55°	341.0	422.2	507.2	535.9	557.8	566.4	552.1	545.4	528.2	525.3	523.4
57.5°	335.2	351.5	453.7	490.0	516.8	515.8	507.2	494.8	480.5	477.6	476.6
60°	307.5	254.0	396.4	439.4	467.1	464.2	456.6	445.1	431.8	429.8	427.9
62.5°	278.9	184.3	331.4	380.2	419.3	418.4	411.7	394.5	385.0	380.2	376.4
65°	236.8	154.7	235.9	316.1	372.5	374.5	360.1	347.7	337.1	331.4	330.4
67.5°	180.5	126.1	159.5	263.6	327.6	325.7	307.5	301.8	288.4	285.5	279.8
70°	133.7	84.0	110.8	213.9	283.6	278.9	264.5	257.8	245.4	238.8	234.9
72.5°	110.8	67.8	81.2	166.2	238.8	233.0	220.6	213.0	202.5	196.7	192.9
75°	89.8	71.6	62.1	123.2	193.9	190.0	178.6	170.9	162.4	154.7	155.7
77.5°	65.9	66.8	49.7	90.7	153.8	148.0	141.3	131.8	128.0	120.3	120.3
80°	49.7	52.5	37.2	62.1	110.8	110.8	105.0	98.4	91.7	87.9	87.9
82.5°	33.4	33.4	27.7	39.2	75.4	72.6	68.8	66.8	63.0	61.1	61.1
85°	15.3	19.1	17.2	23.9	41.1	43.0	43.0	41.1	40.1	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	13.8	21.8	32.3	37.5	33.3	25.0	18.8	18.8
92.5°	19.8	53.4	87.0	95.4	134.2	185.8	211.6	185.5	133.2	94.0	90.2
95°	47.5	109.0	170.6	185.9	330.1	522.4	618.6	552.0	418.9	319.0	307.6
97.5°	82.0	136.3	190.6	204.2	444.6	765.2	925.6	883.5	799.3	736.2	714.7
100°	108.8	158.1	207.2	219.6	486.4	842.1	1020.0	1023.1	1029.3	1033.9	1008.2
102.5°	131.5	177.4	223.4	234.8	505.5	866.4	1046.8	1100.4	1207.7	1288.1	1266.1
105°	170.1	209.0	247.9	257.7	519.7	869.1	1043.8	1164.0	1404.4	1584.7	1572.9
107.5°	209.6	245.9	282.2	291.3	522.4	830.5	984.5	1152.2	1487.5	1739.0	1741.8
110°	236.4	269.1	301.8	310.0	518.4	796.2	935.0	1122.5	1497.4	1778.6	1790.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	262.5	293.8	324.9	332.7	518.5	766.2	890.1	1081.9	1465.6	1753.4	1772.3
115°	302.1	330.9	359.7	366.9	523.3	731.8	836.1	1020.9	1390.6	1667.8	1694.0
117.5°	341.2	367.4	393.6	400.0	533.1	710.4	799.0	965.8	1299.4	1549.6	1578.6
120°	364.0	388.6	413.2	419.3	541.0	703.2	784.2	936.7	1241.4	1470.0	1498.3
122.5°	386.2	411.0	435.9	442.1	552.4	699.3	772.9	910.1	1184.6	1390.4	1418.3
125°	420.3	442.9	465.6	471.2	567.7	696.2	760.5	877.1	1110.2	1285.0	1310.7
127.5°	448.0	470.8	493.6	499.4	582.9	694.4	750.1	850.1	1050.4	1200.5	1222.2
130°	462.8	487.4	512.1	518.2	594.2	695.5	746.1	835.2	1013.4	1147.1	1167.1
132.5°	478.2	502.8	527.4	533.6	603.3	696.2	742.7	822.4	982.0	1101.7	1119.5
135°	500.9	523.3	545.7	551.3	613.1	695.5	736.8	803.6	937.2	1037.4	1052.9
137.5°	524.1	546.3	568.5	574.1	627.9	699.8	735.7	792.2	905.1	989.9	1002.5
140°	543.4	563.8	584.3	589.4	637.1	700.6	732.3	781.1	878.7	951.8	963.7
142.5°	558.2	577.1	596.0	600.8	644.6	703.1	732.3	775.2	860.8	925.1	935.2
145°	581.0	597.4	614.0	618.1	654.5	703.1	727.3	762.4	832.5	885.1	892.8
147.5°	603.8	619.8	635.8	639.8	669.0	707.8	727.3	754.9	810.1	851.5	857.9
150°	618.6	633.1	647.6	651.2	676.6	710.4	727.3	750.6	797.2	832.2	837.3
152.5°	633.9	644.9	655.9	658.7	681.6	712.0	727.3	747.2	787.0	816.8	820.7
155°	656.7	664.8	672.9	674.9	692.4	715.7	727.3	743.2	774.8	798.6	801.1
157.5°	673.5	681.4	689.2	691.2	703.3	719.3	727.3	739.6	764.3	782.7	784.5
160°	684.8	690.9	697.2	698.7	708.2	720.9	727.3	737.8	758.9	774.8	775.8
162.5°	696.2	700.8	705.5	706.6	713.5	722.7	727.3	736.2	754.1	767.4	768.4
165°	708.5	712.7	716.9	718.0	721.1	725.2	727.3	733.7	746.4	756.0	757.0
167.5°	720.0	721.9	723.9	724.4	727.0	730.6	732.3	736.5	744.8	751.1	751.6
170°	727.3	729.3	731.3	731.8	732.0	732.2	732.3	736.5	744.8	751.1	751.1
172.5°	731.3	731.7	732.2	732.3	732.3	732.3	732.3	735.5	742.1	747.1	746.7
175°	736.8	736.8	736.8	736.8	735.3	733.2	732.3	734.4	738.5	741.7	741.7
177.5°	736.8	736.8	736.8	736.8	735.6	734.0	733.2	734.9	738.2	740.7	740.2
180°	736.8	736.8	736.8	736.8	736.8	736.8	736.8	736.8	736.8	736.8	736.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5
2.5°	1035.4	1032.5	1035.4	1033.5	1034.5	1031.6	1023.0	1020.1	1023.0	1025.9	1025.9
5°	1047.8	1045.9	1047.8	1047.8	1046.9	1045.0	1035.4	1033.5	1035.4	1036.4	1034.5
7.5°	1051.6	1048.8	1051.6	1049.7	1049.7	1047.8	1038.3	1036.4	1037.3	1040.2	1037.3
10°	1051.6	1048.8	1051.6	1050.7	1049.7	1047.8	1038.3	1034.5	1034.5	1037.3	1034.5
12.5°	1046.9	1045.0	1046.9	1045.0	1045.0	1043.1	1033.5	1029.7	1030.6	1031.6	1027.8
15°	1039.2	1036.4	1039.2	1037.3	1038.3	1035.4	1024.9	1021.1	1021.1	1023.0	1016.2
17.5°	1027.8	1024.0	1027.8	1026.8	1025.9	1024.0	1014.3	1010.5	1009.5	1010.5	1005.7
20°	1014.3	1011.4	1014.3	1013.4	1013.4	1009.5	1000.0	995.2	995.2	995.2	990.4
22.5°	993.3	990.4	993.3	995.2	995.2	994.3	985.7	979.0	977.1	977.1	971.3
25°	969.4	966.6	969.4	969.4	968.5	969.4	966.6	962.7	959.9	957.0	951.3
27.5°	946.5	944.6	946.5	944.6	946.5	943.6	942.7	941.7	937.9	935.0	927.4
30°	923.6	921.7	923.6	921.7	919.8	917.9	913.1	911.2	915.0	913.1	900.7
32.5°	894.9	893.0	894.9	894.9	893.0	893.0	885.4	882.5	883.5	889.2	877.7
35°	865.3	862.5	865.3	864.4	865.3	862.5	857.7	856.7	852.9	859.6	851.0
37.5°	830.9	828.1	830.9	830.9	830.9	832.9	829.0	826.2	820.4	829.0	822.4
40°	795.6	791.8	795.6	794.7	795.6	797.5	795.6	793.7	788.0	794.7	788.9
42.5°	755.5	754.5	755.5	756.5	756.5	760.3	763.1	759.3	757.4	752.6	756.5
45°	712.5	710.6	712.5	714.4	715.4	717.3	725.9	725.9	723.0	715.4	721.1
47.5°	666.7	661.9	666.7	672.4	672.4	675.3	683.9	690.6	685.8	676.2	679.1
50°	618.0	618.9	618.0	621.8	621.8	632.3	639.0	645.7	650.5	639.0	625.6
52.5°	570.2	569.3	570.2	573.1	576.9	581.7	593.2	599.8	607.5	600.8	579.8
55°	522.5	524.4	522.5	523.4	525.3	528.2	545.4	552.1	566.4	557.8	535.9
57.5°	474.7	471.9	474.7	476.6	477.6	480.5	494.8	507.2	515.8	516.8	490.0
60°	419.3	415.5	419.3	427.9	429.8	431.8	445.1	456.6	464.2	467.1	439.4
62.5°	370.6	364.0	370.6	376.4	380.2	385.0	394.5	411.7	418.4	419.3	380.2
65°	319.0	316.1	319.0	330.4	331.4	337.1	347.7	360.1	374.5	372.5	316.1
67.5°	272.2	272.2	272.2	279.8	285.5	288.4	301.8	307.5	325.7	327.6	263.6
70°	229.2	228.2	229.2	234.9	238.8	245.4	257.8	264.5	278.9	283.6	213.9
72.5°	188.1	187.2	188.1	192.9	196.7	202.5	213.0	220.6	233.0	238.8	166.2
75°	151.8	149.9	151.8	155.7	154.7	162.4	170.9	178.6	190.0	193.9	123.2
77.5°	116.5	116.5	116.5	120.3	120.3	128.0	131.8	141.3	148.0	153.8	90.7
80°	86.9	86.0	86.9	87.9	87.9	91.7	98.4	105.0	110.8	110.8	62.1
82.5°	61.1	59.2	61.1	61.1	61.1	63.0	66.8	68.8	72.6	75.4	39.2
85°	38.2	38.2	38.2	39.2	38.2	40.1	41.1	43.0	43.0	41.1	23.9
87.5°	24.8	23.9	24.8	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	33.3	37.5	32.3	21.8	13.8
92.5°	75.3	60.4	75.3	90.2	94.0	133.2	185.5	211.6	185.8	134.2	95.4
95°	262.3	217.1	262.3	307.6	319.0	418.9	552.0	618.6	522.4	330.1	185.9
97.5°	628.6	542.4	628.6	714.7	736.2	799.3	883.5	925.6	765.2	444.6	204.2
100°	905.6	803.0	905.6	1008.2	1033.9	1029.3	1023.1	1020.0	842.1	486.4	219.6
102.5°	1178.2	1090.3	1178.2	1266.1	1288.1	1207.7	1100.4	1046.8	866.4	505.5	234.8
105°	1525.7	1478.4	1525.7	1572.9	1584.7	1404.4	1164.0	1043.8	869.1	519.7	257.7
107.5°	1753.3	1764.7	1753.3	1741.8	1739.0	1487.5	1152.2	984.5	830.5	522.4	291.3
110°	1840.1	1889.3	1840.1	1790.9	1778.6	1497.4	1122.5	935.0	796.2	518.4	310.0



TEST NUMBER: P935585

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1847.8	1923.5	1847.8	1772.3	1753.4	1465.6	1081.9	890.1	766.2	518.5	332.7
115°	1798.8	1903.7	1798.8	1694.0	1667.8	1390.6	1020.9	836.1	731.8	523.3	366.9
117.5°	1694.9	1811.2	1694.9	1578.6	1549.6	1299.4	965.8	799.0	710.4	533.1	400.0
120°	1611.2	1724.2	1611.2	1498.3	1470.0	1241.4	936.7	784.2	703.2	541.0	419.3
122.5°	1529.6	1641.1	1529.6	1418.3	1390.4	1184.6	910.1	772.9	699.3	552.4	442.1
125°	1413.3	1516.0	1413.3	1310.7	1285.0	1110.2	877.1	760.5	696.2	567.7	471.2
127.5°	1308.7	1395.4	1308.7	1222.2	1200.5	1050.4	850.1	750.1	694.4	582.9	499.4
130°	1247.1	1327.2	1247.1	1167.1	1147.1	1013.4	835.2	746.1	695.5	594.2	518.2
132.5°	1191.2	1262.8	1191.2	1119.5	1101.7	982.0	822.4	742.7	696.2	603.3	533.6
135°	1114.6	1176.3	1114.6	1052.9	1037.4	937.2	803.6	736.8	695.5	613.1	551.3
137.5°	1053.1	1103.6	1053.1	1002.5	989.9	905.1	792.2	735.7	699.8	627.9	574.1
140°	1010.9	1058.1	1010.9	963.7	951.8	878.7	781.1	732.3	700.6	637.1	589.4
142.5°	975.9	1016.6	975.9	935.2	925.1	860.8	775.2	732.3	703.1	644.6	600.8
145°	923.6	954.3	923.6	892.8	885.1	832.5	762.4	727.3	703.1	654.5	618.1
147.5°	883.3	908.8	883.3	857.9	851.5	810.1	754.9	727.3	707.8	669.0	639.8
150°	858.1	878.7	858.1	837.3	832.2	797.2	750.6	727.3	710.4	676.6	651.2
152.5°	836.3	852.0	836.3	820.7	816.8	787.0	747.2	727.3	712.0	681.6	658.7
155°	811.5	821.8	811.5	801.1	798.6	774.8	743.2	727.3	715.7	692.4	674.9
157.5°	791.8	799.0	791.8	784.5	782.7	764.3	739.6	727.3	719.3	703.3	691.2
160°	780.0	784.2	780.0	775.8	774.8	758.9	737.8	727.3	720.9	708.2	698.7
162.5°	772.4	776.3	772.4	768.4	767.4	754.1	736.2	727.3	722.7	713.5	706.6
165°	761.2	765.4	761.2	757.0	756.0	746.4	733.7	727.3	725.2	721.1	718.0
167.5°	753.3	755.0	753.3	751.6	751.1	744.8	736.5	732.3	730.6	727.0	724.4
170°	751.1	751.1	751.1	751.1	751.1	744.8	736.5	732.3	732.2	732.0	731.8
172.5°	745.2	743.7	745.2	746.7	747.1	742.1	735.5	732.3	732.3	732.3	732.3
175°	741.7	741.7	741.7	741.7	741.7	738.5	734.4	732.3	733.2	735.3	736.8
177.5°	738.5	736.8	738.5	740.2	740.7	738.2	734.9	733.2	734.0	735.6	736.8
180°	736.8	736.8	736.8	736.8	736.8	736.8	736.8	736.8	736.8	736.8	736.8



TEST NUMBER: P935585

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5
2.5°	1024.0	1018.1	1018.1	1008.6	1004.8	1001.9	997.1	982.8	979.0	975.2	980.9
5°	1032.5	1022.0	1014.3	997.1	982.8	977.1	958.9	924.5	901.6	884.4	874.9
7.5°	1034.5	1021.1	1006.7	979.9	945.5	930.3	874.9	811.8	794.7	779.4	769.8
10°	1032.5	1017.2	997.1	957.0	875.8	849.1	793.7	752.6	742.1	739.3	742.1
12.5°	1025.9	1011.4	983.7	916.9	803.3	785.1	752.6	728.8	726.9	731.6	757.4
15°	1014.3	1000.9	968.5	863.4	763.1	749.8	726.9	718.3	728.8	762.2	839.5
17.5°	1002.8	987.6	947.5	810.9	732.6	723.0	706.8	724.0	783.2	828.1	853.9
20°	987.6	969.4	923.6	772.7	710.6	702.0	694.4	771.7	816.6	832.9	847.2
22.5°	969.4	950.3	891.1	746.0	687.7	681.0	685.8	798.5	816.6	828.1	840.5
25°	945.5	929.3	852.9	724.9	669.6	661.9	680.1	795.6	806.1	809.0	833.8
27.5°	923.6	902.6	812.8	705.8	647.6	644.7	684.8	783.2	790.8	793.7	820.4
30°	896.8	865.3	767.9	685.8	624.7	623.7	685.8	767.9	766.0	773.6	800.4
32.5°	869.1	809.9	717.3	661.0	602.7	601.7	679.1	745.0	743.1	753.6	773.6
35°	843.4	767.0	648.5	632.3	575.0	576.0	662.9	718.3	719.2	728.8	741.2
37.5°	816.6	729.7	573.1	600.8	548.3	548.3	640.9	693.4	691.5	694.4	711.6
40°	785.1	671.5	506.2	559.7	523.4	520.6	614.2	666.7	660.0	659.0	682.9
42.5°	751.7	607.5	456.6	505.3	494.8	491.0	581.7	634.2	621.8	624.7	655.2
45°	715.4	590.3	418.4	427.0	465.2	462.3	546.4	597.0	588.4	596.0	627.5
47.5°	679.1	555.9	406.0	354.4	433.7	432.7	507.2	560.7	555.9	563.5	597.0
50°	629.4	517.7	405.0	303.7	398.3	402.2	460.4	525.3	525.3	532.0	567.4
52.5°	565.5	470.9	367.8	275.0	357.3	368.7	419.3	494.8	496.7	503.4	534.9
55°	507.2	422.2	341.0	253.1	308.5	333.3	379.2	463.3	467.1	473.8	502.4
57.5°	453.7	351.5	335.2	227.3	263.6	287.5	343.9	432.7	434.6	440.4	468.0
60°	396.4	254.0	307.5	199.6	224.4	242.6	311.3	396.4	403.1	406.9	430.8
62.5°	331.4	184.3	278.9	180.5	205.3	209.1	284.6	362.0	370.6	373.5	387.8
65°	235.9	154.7	236.8	164.3	185.3	186.2	255.9	326.6	334.2	339.0	349.6
67.5°	159.5	126.1	180.5	149.0	170.0	170.9	228.2	285.5	296.0	299.9	306.6
70°	110.8	84.0	133.7	132.7	152.8	154.7	198.6	248.3	257.8	260.7	264.5
72.5°	81.2	67.8	110.8	119.4	134.7	136.6	168.1	206.3	215.8	218.7	220.6
75°	62.1	71.6	89.8	104.1	114.6	115.6	137.5	168.1	174.8	176.7	177.6
77.5°	49.7	66.8	65.9	84.0	93.6	91.7	107.9	129.9	135.6	135.6	135.6
80°	37.2	52.5	49.7	60.2	68.8	66.8	77.4	92.6	94.5	96.5	95.5
82.5°	27.7	33.4	33.4	38.2	45.8	43.9	51.6	60.2	60.2	60.2	62.1
85°	17.2	19.1	15.3	20.1	25.8	24.8	28.6	32.5	33.4	33.4	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	13.8	21.8	32.3	37.5	33.3	25.0
92.5°	87.0	53.4	19.8	53.4	87.0	95.4	134.2	185.8	211.6	185.5	133.2
95°	170.6	109.0	47.5	109.0	170.6	185.9	330.1	522.4	618.6	552.0	418.9
97.5°	190.6	136.3	82.0	136.3	190.6	204.2	444.6	765.2	925.6	883.5	799.3
100°	207.2	158.1	108.8	158.1	207.2	219.6	486.4	842.1	1020.0	1023.1	1029.3
102.5°	223.4	177.4	131.5	177.4	223.4	234.8	505.5	866.4	1046.8	1100.4	1207.7
105°	247.9	209.0	170.1	209.0	247.9	257.7	519.7	869.1	1043.8	1164.0	1404.4
107.5°	282.2	245.9	209.6	245.9	282.2	291.3	522.4	830.5	984.5	1152.2	1487.5
110°	301.8	269.1	236.4	269.1	301.8	310.0	518.4	796.2	935.0	1122.5	1497.4



TEST NUMBER: P935585

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	324.9	293.8	262.5	293.8	324.9	332.7	518.5	766.2	890.1	1081.9	1465.6
115°	359.7	330.9	302.1	330.9	359.7	366.9	523.3	731.8	836.1	1020.9	1390.6
117.5°	393.6	367.4	341.2	367.4	393.6	400.0	533.1	710.4	799.0	965.8	1299.4
120°	413.2	388.6	364.0	388.6	413.2	419.3	541.0	703.2	784.2	936.7	1241.4
122.5°	435.9	411.0	386.2	411.0	435.9	442.1	552.4	699.3	772.9	910.1	1184.6
125°	465.6	442.9	420.3	442.9	465.6	471.2	567.7	696.2	760.5	877.1	1110.2
127.5°	493.6	470.8	448.0	470.8	493.6	499.4	582.9	694.4	750.1	850.1	1050.4
130°	512.1	487.4	462.8	487.4	512.1	518.2	594.2	695.5	746.1	835.2	1013.4
132.5°	527.4	502.8	478.2	502.8	527.4	533.6	603.3	696.2	742.7	822.4	982.0
135°	545.7	523.3	500.9	523.3	545.7	551.3	613.1	695.5	736.8	803.6	937.2
137.5°	568.5	546.3	524.1	546.3	568.5	574.1	627.9	699.8	735.7	792.2	905.1
140°	584.3	563.8	543.4	563.8	584.3	589.4	637.1	700.6	732.3	781.1	878.7
142.5°	596.0	577.1	558.2	577.1	596.0	600.8	644.6	703.1	732.3	775.2	860.8
145°	614.0	597.4	581.0	597.4	614.0	618.1	654.5	703.1	727.3	762.4	832.5
147.5°	635.8	619.8	603.8	619.8	635.8	639.8	669.0	707.8	727.3	754.9	810.1
150°	647.6	633.1	618.6	633.1	647.6	651.2	676.6	710.4	727.3	750.6	797.2
152.5°	655.9	644.9	633.9	644.9	655.9	658.7	681.6	712.0	727.3	747.2	787.0
155°	672.9	664.8	656.7	664.8	672.9	674.9	692.4	715.7	727.3	743.2	774.8
157.5°	689.2	681.4	673.5	681.4	689.2	691.2	703.3	719.3	727.3	739.6	764.3
160°	697.2	690.9	684.8	690.9	697.2	698.7	708.2	720.9	727.3	737.8	758.9
162.5°	705.5	700.8	696.2	700.8	705.5	706.6	713.5	722.7	727.3	736.2	754.1
165°	716.9	712.7	708.5	712.7	716.9	718.0	721.1	725.2	727.3	733.7	746.4
167.5°	723.9	721.9	720.0	721.9	723.9	724.4	727.0	730.6	732.3	736.5	744.8
170°	731.3	729.3	727.3	729.3	731.3	731.8	732.0	732.2	732.3	736.5	744.8
172.5°	732.2	731.7	731.3	731.7	732.2	732.3	732.3	732.3	732.3	735.5	742.1
175°	736.8	736.8	736.8	736.8	736.8	736.8	735.3	733.2	732.3	734.4	738.5
177.5°	736.8	736.8	736.8	736.8	736.8	736.8	735.6	734.0	733.2	734.9	738.2
180°	736.8	736.8	736.8	736.8	736.8	736.8	736.8	736.8	736.8	736.8	736.8



TEST NUMBER: P935585
 CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5
2.5°	974.2	971.3	975.2	964.6	975.2	971.3	974.2	980.9	975.2	979.0	982.8
5°	854.8	850.0	834.8	822.4	834.8	850.0	854.8	874.9	884.4	901.6	924.5
7.5°	764.1	760.3	756.5	748.8	756.5	760.3	764.1	769.8	779.4	794.7	811.8
10°	744.0	745.0	750.7	749.8	750.7	745.0	744.0	742.1	739.3	742.1	752.6
12.5°	795.6	804.2	835.7	833.8	835.7	804.2	795.6	757.4	731.6	726.9	728.8
15°	854.8	857.7	864.4	865.3	864.4	857.7	854.8	839.5	762.2	728.8	718.3
17.5°	860.6	861.5	866.3	866.3	866.3	861.5	860.6	853.9	828.1	783.2	724.0
20°	855.8	857.7	867.2	869.1	867.2	857.7	855.8	847.2	832.9	816.6	771.7
22.5°	853.9	857.7	865.3	864.4	865.3	857.7	853.9	840.5	828.1	816.6	798.5
25°	844.3	844.3	845.3	846.2	845.3	844.3	844.3	833.8	809.0	806.1	795.6
27.5°	824.3	826.2	831.9	830.9	831.9	826.2	824.3	820.4	793.7	790.8	783.2
30°	806.1	804.2	799.4	795.6	799.4	804.2	806.1	800.4	773.6	766.0	767.9
32.5°	775.6	770.8	766.0	763.1	766.0	770.8	775.6	773.6	753.6	743.1	745.0
35°	739.3	740.2	739.3	736.4	739.3	740.2	739.3	741.2	728.8	719.2	718.3
37.5°	713.5	715.4	714.4	710.6	714.4	715.4	713.5	711.6	694.4	691.5	693.4
40°	686.7	687.7	686.7	683.9	686.7	687.7	686.7	682.9	659.0	660.0	666.7
42.5°	661.0	660.0	657.1	655.2	657.1	660.0	661.0	655.2	624.7	621.8	634.2
45°	631.4	632.3	626.6	623.7	626.6	632.3	631.4	627.5	596.0	588.4	597.0
47.5°	601.7	601.7	597.0	594.1	597.0	601.7	601.7	597.0	563.5	555.9	560.7
50°	570.2	569.3	562.6	561.6	562.6	569.3	570.2	567.4	532.0	525.3	525.3
52.5°	533.9	533.9	534.9	536.8	534.9	533.9	533.9	534.9	503.4	496.7	494.8
55°	502.4	503.4	510.1	512.0	510.1	503.4	502.4	502.4	473.8	467.1	463.3
57.5°	470.0	470.0	474.7	474.7	474.7	470.0	470.0	468.0	440.4	434.6	432.7
60°	432.7	434.6	438.4	437.5	438.4	434.6	432.7	430.8	406.9	403.1	396.4
62.5°	393.6	395.5	396.4	394.5	396.4	395.5	393.6	387.8	373.5	370.6	362.0
65°	352.5	354.4	355.4	353.4	355.4	354.4	352.5	349.6	339.0	334.2	326.6
67.5°	310.4	309.4	308.5	312.3	308.5	309.4	310.4	306.6	299.9	296.0	285.5
70°	267.4	267.4	266.4	268.4	266.4	267.4	267.4	264.5	260.7	257.8	248.3
72.5°	221.6	220.6	224.4	221.6	224.4	220.6	221.6	220.6	218.7	215.8	206.3
75°	176.7	178.6	176.7	179.5	176.7	178.6	176.7	177.6	176.7	174.8	168.1
77.5°	134.7	136.6	134.7	134.7	134.7	136.6	134.7	135.6	135.6	135.6	129.9
80°	95.5	94.5	94.5	93.6	94.5	94.5	95.5	95.5	96.5	94.5	92.6
82.5°	61.1	60.2	60.2	62.1	60.2	60.2	61.1	62.1	60.2	60.2	60.2
85°	33.4	34.4	32.5	32.5	32.5	34.4	33.4	31.5	33.4	33.4	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	33.3	37.5	32.3
92.5°	94.0	90.2	75.3	60.4	75.3	90.2	94.0	133.2	185.5	211.6	185.8
95°	319.0	307.6	262.3	217.1	262.3	307.6	319.0	418.9	552.0	618.6	522.4
97.5°	736.2	714.7	628.6	542.4	628.6	714.7	736.2	799.3	883.5	925.6	765.2
100°	1033.9	1008.2	905.6	803.0	905.6	1008.2	1033.9	1029.3	1023.1	1020.0	842.1
102.5°	1288.1	1266.1	1178.2	1090.3	1178.2	1266.1	1288.1	1207.7	1100.4	1046.8	866.4
105°	1584.7	1572.9	1525.7	1478.4	1525.7	1572.9	1584.7	1404.4	1164.0	1043.8	869.1
107.5°	1739.0	1741.8	1753.3	1764.7	1753.3	1741.8	1739.0	1487.5	1152.2	984.5	830.5
110°	1778.6	1790.9	1840.1	1889.3	1840.1	1790.9	1778.6	1497.4	1122.5	935.0	796.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1753.4	1772.3	1847.8	1923.5	1847.8	1772.3	1753.4	1465.6	1081.9	890.1	766.2
115°	1667.8	1694.0	1798.8	1903.7	1798.8	1694.0	1667.8	1390.6	1020.9	836.1	731.8
117.5°	1549.6	1578.6	1694.9	1811.2	1694.9	1578.6	1549.6	1299.4	965.8	799.0	710.4
120°	1470.0	1498.3	1611.2	1724.2	1611.2	1498.3	1470.0	1241.4	936.7	784.2	703.2
122.5°	1390.4	1418.3	1529.6	1641.1	1529.6	1418.3	1390.4	1184.6	910.1	772.9	699.3
125°	1285.0	1310.7	1413.3	1516.0	1413.3	1310.7	1285.0	1110.2	877.1	760.5	696.2
127.5°	1200.5	1222.2	1308.7	1395.4	1308.7	1222.2	1200.5	1050.4	850.1	750.1	694.4
130°	1147.1	1167.1	1247.1	1327.2	1247.1	1167.1	1147.1	1013.4	835.2	746.1	695.5
132.5°	1101.7	1119.5	1191.2	1262.8	1191.2	1119.5	1101.7	982.0	822.4	742.7	696.2
135°	1037.4	1052.9	1114.6	1176.3	1114.6	1052.9	1037.4	937.2	803.6	736.8	695.5
137.5°	989.9	1002.5	1053.1	1103.6	1053.1	1002.5	989.9	905.1	792.2	735.7	699.8
140°	951.8	963.7	1010.9	1058.1	1010.9	963.7	951.8	878.7	781.1	732.3	700.6
142.5°	925.1	935.2	975.9	1016.6	975.9	935.2	925.1	860.8	775.2	732.3	703.1
145°	885.1	892.8	923.6	954.3	923.6	892.8	885.1	832.5	762.4	727.3	703.1
147.5°	851.5	857.9	883.3	908.8	883.3	857.9	851.5	810.1	754.9	727.3	707.8
150°	832.2	837.3	858.1	878.7	858.1	837.3	832.2	797.2	750.6	727.3	710.4
152.5°	816.8	820.7	836.3	852.0	836.3	820.7	816.8	787.0	747.2	727.3	712.0
155°	798.6	801.1	811.5	821.8	811.5	801.1	798.6	774.8	743.2	727.3	715.7
157.5°	782.7	784.5	791.8	799.0	791.8	784.5	782.7	764.3	739.6	727.3	719.3
160°	774.8	775.8	780.0	784.2	780.0	775.8	774.8	758.9	737.8	727.3	720.9
162.5°	767.4	768.4	772.4	776.3	772.4	768.4	767.4	754.1	736.2	727.3	722.7
165°	756.0	757.0	761.2	765.4	761.2	757.0	756.0	746.4	733.7	727.3	725.2
167.5°	751.1	751.6	753.3	755.0	753.3	751.6	751.1	744.8	736.5	732.3	730.6
170°	751.1	751.1	751.1	751.1	751.1	751.1	751.1	744.8	736.5	732.3	732.2
172.5°	747.1	746.7	745.2	743.7	745.2	746.7	747.1	742.1	735.5	732.3	732.3
175°	741.7	741.7	741.7	741.7	741.7	741.7	741.7	738.5	734.4	732.3	733.2
177.5°	740.7	740.2	738.5	736.8	738.5	740.2	740.7	738.2	734.9	733.2	734.0
180°	736.8	736.8	736.8	736.8	736.8	736.8	736.8	736.8	736.8	736.8	736.8



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1009.5	1009.5	1009.5	1009.5	1009.5
2.5°	997.1	1001.9	1004.8	1008.6	1018.1
5°	958.9	977.1	982.8	997.1	1014.3
7.5°	874.9	930.3	945.5	979.9	1006.7
10°	793.7	849.1	875.8	957.0	997.1
12.5°	752.6	785.1	803.3	916.9	983.7
15°	726.9	749.8	763.1	863.4	968.5
17.5°	706.8	723.0	732.6	810.9	947.5
20°	694.4	702.0	710.6	772.7	923.6
22.5°	685.8	681.0	687.7	746.0	891.1
25°	680.1	661.9	669.6	724.9	852.9
27.5°	684.8	644.7	647.6	705.8	812.8
30°	685.8	623.7	624.7	685.8	767.9
32.5°	679.1	601.7	602.7	661.0	717.3
35°	662.9	576.0	575.0	632.3	648.5
37.5°	640.9	548.3	548.3	600.8	573.1
40°	614.2	520.6	523.4	559.7	506.2
42.5°	581.7	491.0	494.8	505.3	456.6
45°	546.4	462.3	465.2	427.0	418.4
47.5°	507.2	432.7	433.7	354.4	406.0
50°	460.4	402.2	398.3	303.7	405.0
52.5°	419.3	368.7	357.3	275.0	367.8
55°	379.2	333.3	308.5	253.1	341.0
57.5°	343.9	287.5	263.6	227.3	335.2
60°	311.3	242.6	224.4	199.6	307.5
62.5°	284.6	209.1	205.3	180.5	278.9
65°	255.9	186.2	185.3	164.3	236.8
67.5°	228.2	170.9	170.0	149.0	180.5
70°	198.6	154.7	152.8	132.7	133.7
72.5°	168.1	136.6	134.7	119.4	110.8
75°	137.5	115.6	114.6	104.1	89.8
77.5°	107.9	91.7	93.6	84.0	65.9
80°	77.4	66.8	68.8	60.2	49.7
82.5°	51.6	43.9	45.8	38.2	33.4
85°	28.6	24.8	25.8	20.1	15.3
87.5°	13.4	11.5	11.5	7.6	4.8
90°	21.8	13.8	12.9	8.9	5.0
92.5°	134.2	95.4	87.0	53.4	19.8
95°	330.1	185.9	170.6	109.0	47.5
97.5°	444.6	204.2	190.6	136.3	82.0
100°	486.4	219.6	207.2	158.1	108.8
102.5°	505.5	234.8	223.4	177.4	131.5
105°	519.7	257.7	247.9	209.0	170.1
107.5°	522.4	291.3	282.2	245.9	209.6
110°	518.4	310.0	301.8	269.1	236.4



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CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	518.5	332.7	324.9	293.8	262.5
115°	523.3	366.9	359.7	330.9	302.1
117.5°	533.1	400.0	393.6	367.4	341.2
120°	541.0	419.3	413.2	388.6	364.0
122.5°	552.4	442.1	435.9	411.0	386.2
125°	567.7	471.2	465.6	442.9	420.3
127.5°	582.9	499.4	493.6	470.8	448.0
130°	594.2	518.2	512.1	487.4	462.8
132.5°	603.3	533.6	527.4	502.8	478.2
135°	613.1	551.3	545.7	523.3	500.9
137.5°	627.9	574.1	568.5	546.3	524.1
140°	637.1	589.4	584.3	563.8	543.4
142.5°	644.6	600.8	596.0	577.1	558.2
145°	654.5	618.1	614.0	597.4	581.0
147.5°	669.0	639.8	635.8	619.8	603.8
150°	676.6	651.2	647.6	633.1	618.6
152.5°	681.6	658.7	655.9	644.9	633.9
155°	692.4	674.9	672.9	664.8	656.7
157.5°	703.3	691.2	689.2	681.4	673.5
160°	708.2	698.7	697.2	690.9	684.8
162.5°	713.5	706.6	705.5	700.8	696.2
165°	721.1	718.0	716.9	712.7	708.5
167.5°	727.0	724.4	723.9	721.9	720.0
170°	732.0	731.8	731.3	729.3	727.3
172.5°	732.3	732.3	732.2	731.7	731.3
175°	735.3	736.8	736.8	736.8	736.8
177.5°	735.6	736.8	736.8	736.8	736.8
180°	736.8	736.8	736.8	736.8	736.8



TEST NUMBER: P935585
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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	11.04	11.79	12.12	12.86	14.33	13.84	14.59	14.92	15.66	17.13
	3H	11.51	12.18	12.60	13.26	14.74	15.17	15.83	16.25	16.92	18.40
	4H	11.70	12.33	12.79	13.41	14.90	15.60	16.23	16.69	17.32	18.81
	6H	11.81	12.39	12.91	13.48	14.98	15.87	16.45	16.97	17.54	19.04
	8H	11.81	12.36	12.92	13.47	14.96	15.94	16.49	17.04	17.59	19.09
	12H	11.78	12.30	12.89	13.40	14.92	15.97	16.49	17.08	17.59	19.11
4H	2H	12.06	12.69	13.16	13.77	15.26	14.24	14.87	15.34	15.95	17.44
	3H	13.07	13.60	14.18	14.71	16.21	15.72	16.25	16.83	17.36	18.86
	4H	13.34	13.83	14.45	14.93	16.45	16.24	16.72	17.35	17.82	19.35
	6H	13.46	13.87	14.58	15.00	16.51	16.59	17.00	17.71	18.13	19.64
	8H	13.46	13.85	14.58	14.97	16.50	16.69	17.08	17.81	18.19	19.72
	12H	13.42	13.78	14.56	14.90	16.44	16.74	17.09	17.87	18.21	19.75
8H	4H	13.78	14.17	14.90	15.28	16.82	16.36	16.74	17.47	17.86	19.39
	6H	14.04	14.36	15.18	15.51	17.04	16.78	17.10	17.92	18.26	19.78
	8H	14.08	14.36	15.23	15.50	17.04	16.92	17.20	18.07	18.34	19.89
	12H	14.06	14.30	15.21	15.44	17.02	17.01	17.26	18.16	18.39	19.98
12H	4H	13.78	14.13	14.92	15.26	16.80	16.31	16.66	17.45	17.79	19.33
	6H	14.10	14.38	15.24	15.51	17.06	16.78	17.05	17.92	18.19	19.74
	8H	14.16	14.40	15.31	15.54	17.12	16.93	17.17	18.08	18.31	19.89