

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: P935531

Luminaire Tested: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935531
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-92765-1D-UNV-STD-W-4-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

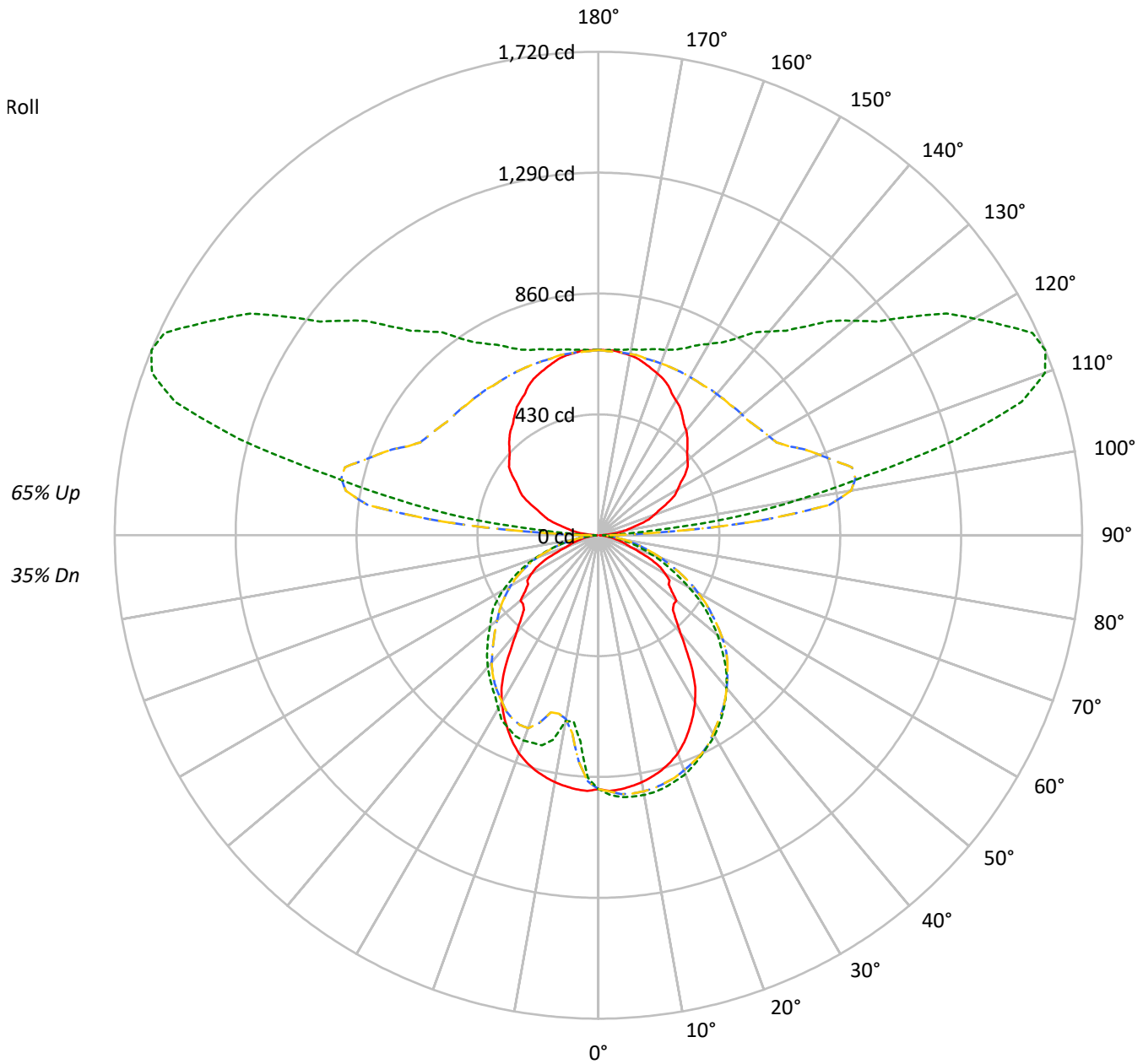
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6615.2 lumens
Efficiency: N/A
Efficacy: 119.0 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

TEST NUMBER: P935531
CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-2700K

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°	8378	8378	8378	8378
5°	8432	8458	8432	6650
10°	8366	8332	8366	5956
15°	8266	8151	8266	6806
20°	8083	7937	8083	6820
25°	7720	7625	7720	6675
30°	7254	7366	7254	6359
35°	6457	7039	6457	6010
40°	5372	6653	5372	5746
45°	4791	6202	4791	5443
50°	5077	5664	5077	5139
55°	4764	5084	4764	4963
60°	4892	4318	4892	4546
65°	4414	3568	4414	3990
70°	3036	2843	3036	3344
75°	2633	2102	2633	2518
80°	2078	1390	2078	1513
85°	1134	737	1134	625

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7356 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.5	1.2
10°-20°	231.4	3.5
20°-30°	357.7	5.4
30°-40°	427.0	6.5
40°-50°	429.6	6.5
50°-60°	373.8	5.7
60°-70°	265.0	4.0
70°-80°	140.2	2.1
80°-90°	37.4	0.6
90°-100°	321.2	4.9
100°-110°	844.4	12.8
110°-120°	875.6	13.2
120°-130°	702.3	10.6
130°-140°	551.1	8.3
140°-150°	423.0	6.4
150°-160°	304.6	4.6
160°-170°	186.4	2.8
170°-180°	63.0	1.0
0°-30°	670.6	10.1
0°-40°	1097.7	16.6
0°-60°	1901.0	28.7
0°-90°	2343.6	35.4
90°-120°	2041.2	30.9
90°-150°	3717.6	56.2
90°-180°	4272.0	64.6
0°-180°	6615.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	903	903	903	903	903	
5°	907	935	907	736	907	86
15°	866	927	866	774	866	244
25°	763	864	763	757	763	350
35°	580	771	580	659	580	359
45°	374	636	374	558	374	300
55°	305	469	305	458	305	280
65°	212	283	212	316	212	202
75°	80	134	80	161	80	84
85°	14	34	14	29	14	18
90°	4	17	4	17	4	4
95°	42	194	42	194	42	47
105°	152	1322	152	1322	152	161
115°	270	1703	270	1703	270	267
125°	376	1356	376	1356	376	334
135°	448	1052	448	1052	448	347
145°	520	854	520	854	520	326
155°	587	735	587	735	587	270
165°	634	685	634	685	634	179
175°	659	663	659	663	659	63
180°	659	659	659	659	659	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9
2.5°	910.6	910.6	915.8	917.5	917.5	914.9	912.4	914.9	922.6	925.2	924.3
5°	907.2	914.1	923.5	925.2	926.9	926.0	924.3	926.0	934.6	936.3	937.1
7.5°	900.3	913.2	925.2	927.8	930.3	927.8	926.9	928.6	937.1	938.9	938.9
10°	891.8	909.7	923.5	925.2	927.8	925.2	925.2	928.6	937.1	938.9	939.7
12.5°	879.8	904.6	917.5	919.2	922.6	921.8	920.9	924.3	932.9	934.6	934.6
15°	866.2	895.2	907.2	908.9	914.9	913.2	913.2	916.7	926.0	928.6	927.8
17.5°	847.4	883.3	896.9	899.5	903.8	902.9	903.8	907.2	915.8	917.5	918.4
20°	826.0	867.0	883.3	885.8	890.1	890.1	890.1	894.4	902.9	906.3	906.3
22.5°	797.0	849.9	867.0	868.7	873.9	873.9	875.6	881.5	889.2	890.1	890.1
25°	762.8	831.2	845.7	850.8	855.9	858.5	861.0	864.5	867.0	866.2	867.0
27.5°	726.9	807.2	826.0	829.4	836.3	838.8	842.3	843.1	844.0	846.5	844.8
30°	686.8	773.9	802.1	805.5	816.6	818.3	814.9	816.6	820.9	822.6	824.3
32.5°	641.5	724.4	777.3	785.0	795.3	790.2	789.3	791.9	798.7	798.7	800.4
35°	580.0	686.0	754.3	761.1	768.8	762.8	766.2	767.1	771.4	773.9	773.1
37.5°	512.6	652.6	730.4	735.5	741.5	733.8	738.9	741.5	744.9	743.2	743.2
40°	452.8	600.5	702.2	705.6	710.7	704.7	709.9	711.6	713.3	711.6	710.7
42.5°	408.4	543.3	672.3	676.6	673.1	677.4	679.1	682.5	680.0	676.6	676.6
45°	374.2	527.9	639.8	645.0	639.8	646.7	649.2	649.2	641.5	639.8	639.0
47.5°	363.1	497.2	607.4	607.4	604.8	613.3	617.6	611.6	604.0	601.4	601.4
50°	362.2	463.0	563.0	559.5	571.5	581.7	577.5	571.5	565.5	556.1	556.1
52.5°	328.9	421.2	505.7	518.5	537.3	543.3	536.5	530.5	520.2	516.0	512.6
55°	305.0	377.6	453.6	479.3	498.9	506.6	493.8	487.8	472.4	469.9	468.1
57.5°	299.8	314.4	405.8	438.3	462.2	461.3	453.6	442.5	429.7	427.1	426.3
60°	275.0	227.2	354.5	393.0	417.8	415.2	408.4	398.1	386.2	384.4	382.7
62.5°	249.4	164.8	296.4	340.0	375.0	374.2	368.2	352.8	344.3	340.0	336.6
65°	211.8	138.4	211.0	282.7	333.2	334.9	322.1	311.0	301.5	296.4	295.5
67.5°	161.4	112.7	142.6	235.7	293.0	291.3	275.0	269.9	257.9	255.4	250.3
70°	119.6	75.2	99.1	191.3	253.7	249.4	236.6	230.6	219.5	213.5	210.1
72.5°	99.1	60.6	72.6	148.6	213.5	208.4	197.3	190.5	181.1	176.0	172.5
75°	80.3	64.1	55.5	110.2	173.4	170.0	159.7	152.9	145.2	138.4	139.2
77.5°	58.9	59.8	44.4	81.1	137.5	132.4	126.4	117.9	114.5	107.6	107.6
80°	44.4	47.0	33.3	55.5	99.1	99.1	94.0	88.0	82.0	78.6	78.6
82.5°	29.9	29.9	24.8	35.0	67.5	64.9	61.5	59.8	56.4	54.7	54.7
85°	13.7	17.1	15.4	21.4	36.7	38.4	38.4	36.7	35.9	34.2	35.0
87.5°	4.3	7.7	9.4	12.0	18.8	19.6	20.5	20.5	20.5	21.4	21.4
90°	4.4	7.9	11.5	12.4	19.5	28.9	33.6	29.8	22.4	16.8	16.8
92.5°	17.7	47.7	77.8	85.3	120.0	166.2	189.3	165.9	119.2	84.0	80.7
95°	42.5	97.5	152.5	166.3	295.3	467.2	553.2	493.7	374.6	285.3	275.1
97.5°	73.4	121.9	170.5	182.6	397.7	684.4	827.8	790.2	714.9	658.4	639.2
100°	97.3	141.4	185.3	196.4	435.0	753.2	912.3	915.0	920.6	924.7	901.7
102.5°	117.6	158.7	199.8	210.0	452.1	774.9	936.2	984.2	1080.1	1152.0	1132.4
105°	152.1	187.0	221.7	230.4	464.8	777.3	933.6	1041.1	1256.1	1417.3	1406.7
107.5°	187.5	219.9	252.4	260.5	467.2	742.7	880.5	1030.5	1330.4	1555.3	1557.8
110°	211.4	240.7	269.9	277.2	463.6	712.1	836.3	1003.9	1339.3	1590.7	1601.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	234.8	262.7	290.6	297.6	463.7	685.3	796.0	967.6	1310.8	1568.2	1585.1
115°	270.2	296.0	321.8	328.2	468.1	654.5	747.8	913.1	1243.7	1491.6	1515.1
117.5°	305.2	328.6	352.0	357.8	476.8	635.4	714.6	863.8	1162.1	1385.9	1411.9
120°	325.5	347.5	369.6	375.0	483.9	628.9	701.4	837.7	1110.3	1314.8	1340.0
122.5°	345.4	367.6	389.8	395.4	494.0	625.5	691.2	814.0	1059.5	1243.5	1268.5
125°	375.9	396.1	416.4	421.4	507.7	622.7	680.1	784.4	992.9	1149.3	1172.3
127.5°	400.7	421.1	441.5	446.6	521.4	621.0	670.8	760.3	939.5	1073.7	1093.1
130°	413.9	435.9	458.0	463.4	531.4	622.1	667.3	747.0	906.4	1026.0	1043.8
132.5°	427.7	449.7	471.7	477.2	539.6	622.7	664.3	735.6	878.3	985.3	1001.3
135°	448.0	468.1	488.0	493.1	548.4	622.1	659.0	718.7	838.2	927.8	941.7
137.5°	468.7	488.6	508.5	513.4	561.6	625.9	658.0	708.5	809.5	885.3	896.6
140°	486.0	504.3	522.6	527.2	569.8	626.6	654.9	698.6	785.9	851.3	861.9
142.5°	499.2	516.1	533.1	537.3	576.5	628.8	654.9	693.3	769.9	827.4	836.4
145°	519.7	534.3	549.1	552.8	585.3	628.8	650.5	681.9	744.5	791.6	798.5
147.5°	540.0	554.3	568.7	572.3	598.3	633.1	650.5	675.2	724.6	761.5	767.3
150°	553.2	566.2	579.2	582.4	605.1	635.4	650.5	671.3	713.0	744.3	748.9
152.5°	567.0	576.8	586.6	589.1	609.6	636.8	650.5	668.3	703.9	730.5	734.0
155°	587.3	594.6	601.8	603.6	619.2	640.1	650.5	664.7	693.0	714.2	716.5
157.5°	602.3	609.4	616.4	618.2	629.0	643.3	650.5	661.5	683.6	700.0	701.7
160°	612.5	618.0	623.5	624.9	633.4	644.8	650.5	659.9	678.8	693.0	693.9
162.5°	622.7	626.8	630.9	632.0	638.1	646.4	650.5	658.4	674.4	686.4	687.2
165°	633.7	637.4	641.2	642.1	645.0	648.6	650.5	656.2	667.6	676.1	677.1
167.5°	643.9	645.6	647.4	647.9	650.2	653.4	654.9	658.7	666.1	671.8	672.2
170°	650.5	652.3	654.1	654.5	654.7	654.9	654.9	658.7	666.1	671.8	671.8
172.5°	654.1	654.4	654.9	654.9	654.9	654.9	654.9	657.8	663.7	668.2	667.8
175°	659.0	659.0	659.0	659.0	657.6	655.8	654.9	656.8	660.5	663.3	663.3
177.5°	659.0	659.0	659.0	659.0	657.9	656.5	655.8	657.3	660.2	662.5	662.0
180°	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9
2.5°	926.0	923.5	926.0	924.3	925.2	922.6	914.9	912.4	914.9	917.5	917.5
5°	937.1	935.4	937.1	937.1	936.3	934.6	926.0	924.3	926.0	926.9	925.2
7.5°	940.6	938.0	940.6	938.9	938.9	937.1	928.6	926.9	927.8	930.3	927.8
10°	940.6	938.0	940.6	939.7	938.9	937.1	928.6	925.2	925.2	927.8	925.2
12.5°	936.3	934.6	936.3	934.6	934.6	932.9	924.3	920.9	921.8	922.6	919.2
15°	929.5	926.9	929.5	927.8	928.6	926.0	916.7	913.2	913.2	914.9	908.9
17.5°	919.2	915.8	919.2	918.4	917.5	915.8	907.2	903.8	902.9	903.8	899.5
20°	907.2	904.6	907.2	906.3	906.3	902.9	894.4	890.1	890.1	890.1	885.8
22.5°	888.4	885.8	888.4	890.1	890.1	889.2	881.5	875.6	873.9	873.9	868.7
25°	867.0	864.5	867.0	867.0	866.2	867.0	864.5	861.0	858.5	855.9	850.8
27.5°	846.5	844.8	846.5	844.8	846.5	844.0	843.1	842.3	838.8	836.3	829.4
30°	826.0	824.3	826.0	824.3	822.6	820.9	816.6	814.9	818.3	816.6	805.5
32.5°	800.4	798.7	800.4	800.4	798.7	798.7	791.9	789.3	790.2	795.3	785.0
35°	773.9	771.4	773.9	773.1	773.9	771.4	767.1	766.2	762.8	768.8	761.1
37.5°	743.2	740.6	743.2	743.2	743.2	744.9	741.5	738.9	733.8	741.5	735.5
40°	711.6	708.2	711.6	710.7	711.6	713.3	711.6	709.9	704.7	710.7	705.6
42.5°	675.7	674.8	675.7	676.6	676.6	680.0	682.5	679.1	677.4	673.1	676.6
45°	637.3	635.6	637.3	639.0	639.8	641.5	649.2	649.2	646.7	639.8	645.0
47.5°	596.3	592.0	596.3	601.4	601.4	604.0	611.6	617.6	613.3	604.8	607.4
50°	552.7	553.6	552.7	556.1	556.1	565.5	571.5	577.5	581.7	571.5	559.5
52.5°	510.0	509.1	510.0	512.6	516.0	520.2	530.5	536.5	543.3	537.3	518.5
55°	467.3	469.0	467.3	468.1	469.9	472.4	487.8	493.8	506.6	498.9	479.3
57.5°	424.6	422.0	424.6	426.3	427.1	429.7	442.5	453.6	461.3	462.2	438.3
60°	375.0	371.6	375.0	382.7	384.4	386.2	398.1	408.4	415.2	417.8	393.0
62.5°	331.5	325.5	331.5	336.6	340.0	344.3	352.8	368.2	374.2	375.0	340.0
65°	285.3	282.7	285.3	295.5	296.4	301.5	311.0	322.1	334.9	333.2	282.7
67.5°	243.4	243.4	243.4	250.3	255.4	257.9	269.9	275.0	291.3	293.0	235.7
70°	205.0	204.1	205.0	210.1	213.5	219.5	230.6	236.6	249.4	253.7	191.3
72.5°	168.3	167.4	168.3	172.5	176.0	181.1	190.5	197.3	208.4	213.5	148.6
75°	135.8	134.1	135.8	139.2	138.4	145.2	152.9	159.7	170.0	173.4	110.2
77.5°	104.2	104.2	104.2	107.6	107.6	114.5	117.9	126.4	132.4	137.5	81.1
80°	77.7	76.9	77.7	78.6	78.6	82.0	88.0	94.0	99.1	99.1	55.5
82.5°	54.7	53.0	54.7	54.7	54.7	56.4	59.8	61.5	64.9	67.5	35.0
85°	34.2	34.2	34.2	35.0	34.2	35.9	36.7	38.4	38.4	36.7	21.4
87.5°	22.2	21.4	22.2	21.4	21.4	20.5	20.5	20.5	19.6	18.8	12.0
90°	16.8	16.8	16.8	16.8	16.8	22.4	29.8	33.6	28.9	19.5	12.4
92.5°	67.3	54.0	67.3	80.7	84.0	119.2	165.9	189.3	166.2	120.0	85.3
95°	234.6	194.1	234.6	275.1	285.3	374.6	493.7	553.2	467.2	295.3	166.3
97.5°	562.2	485.1	562.2	639.2	658.4	714.9	790.2	827.8	684.4	397.7	182.6
100°	810.0	718.2	810.0	901.7	924.7	920.6	915.0	912.3	753.2	435.0	196.4
102.5°	1053.7	975.2	1053.7	1132.4	1152.0	1080.1	984.2	936.2	774.9	452.1	210.0
105°	1364.6	1322.3	1364.6	1406.7	1417.3	1256.1	1041.1	933.6	777.3	464.8	230.4
107.5°	1568.1	1578.3	1568.1	1557.8	1555.3	1330.4	1030.5	880.5	742.7	467.2	260.5
110°	1645.7	1689.7	1645.7	1601.7	1590.7	1339.3	1003.9	836.3	712.1	463.6	277.2



TEST NUMBER: P935531

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1652.7	1720.3	1652.7	1585.1	1568.2	1310.8	967.6	796.0	685.3	463.7	297.6
115°	1608.8	1702.6	1608.8	1515.1	1491.6	1243.7	913.1	747.8	654.5	468.1	328.2
117.5°	1515.9	1619.9	1515.9	1411.9	1385.9	1162.1	863.8	714.6	635.4	476.8	357.8
120°	1441.0	1542.0	1441.0	1340.0	1314.8	1110.3	837.7	701.4	628.9	483.9	375.0
122.5°	1368.1	1467.7	1368.1	1268.5	1243.5	1059.5	814.0	691.2	625.5	494.0	395.4
125°	1264.0	1355.8	1264.0	1172.3	1149.3	992.9	784.4	680.1	622.7	507.7	421.4
127.5°	1170.5	1248.0	1170.5	1093.1	1073.7	939.5	760.3	670.8	621.0	521.4	446.6
130°	1115.4	1187.0	1115.4	1043.8	1026.0	906.4	747.0	667.3	622.1	531.4	463.4
132.5°	1065.4	1129.4	1065.4	1001.3	985.3	878.3	735.6	664.3	622.7	539.6	477.2
135°	996.9	1052.0	996.9	941.7	927.8	838.2	718.7	659.0	622.1	548.4	493.1
137.5°	941.8	987.0	941.8	896.6	885.3	809.5	708.5	658.0	625.9	561.6	513.4
140°	904.1	946.4	904.1	861.9	851.3	785.9	698.6	654.9	626.6	569.8	527.2
142.5°	872.8	909.2	872.8	836.4	827.4	769.9	693.3	654.9	628.8	576.5	537.3
145°	826.0	853.5	826.0	798.5	791.6	744.5	681.9	650.5	628.8	585.3	552.8
147.5°	790.0	812.8	790.0	767.3	761.5	724.6	675.2	650.5	633.1	598.3	572.3
150°	767.4	785.9	767.4	748.9	744.3	713.0	671.3	650.5	635.4	605.1	582.4
152.5°	748.0	762.0	748.0	734.0	730.5	703.9	668.3	650.5	636.8	609.6	589.1
155°	725.8	735.0	725.8	716.5	714.2	693.0	664.7	650.5	640.1	619.2	603.6
157.5°	708.2	714.6	708.2	701.7	700.0	683.6	661.5	650.5	643.3	629.0	618.2
160°	697.7	701.4	697.7	693.9	693.0	678.8	659.9	650.5	644.8	633.4	624.9
162.5°	690.8	694.3	690.8	687.2	686.4	674.4	658.4	650.5	646.4	638.1	632.0
165°	680.8	684.6	680.8	677.1	676.1	667.6	656.2	650.5	648.6	645.0	642.1
167.5°	673.7	675.3	673.7	672.2	671.8	666.1	658.7	654.9	653.4	650.2	647.9
170°	671.8	671.8	671.8	671.8	671.8	666.1	658.7	654.9	654.9	654.7	654.5
172.5°	666.5	665.1	666.5	667.8	668.2	663.7	657.8	654.9	654.9	654.9	654.9
175°	663.3	663.3	663.3	663.3	663.3	660.5	656.8	654.9	655.8	657.6	659.0
177.5°	660.5	659.0	660.5	662.0	662.5	660.2	657.3	655.8	656.5	657.9	659.0
180°	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0



TEST NUMBER: P935531

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9
2.5°	915.8	910.6	910.6	902.0	898.6	896.1	891.8	879.0	875.6	872.2	877.3
5°	923.5	914.1	907.2	891.8	879.0	873.9	857.6	826.9	806.4	791.0	782.5
7.5°	925.2	913.2	900.3	876.4	845.7	832.0	782.5	726.1	710.7	697.1	688.5
10°	923.5	909.7	891.8	855.9	783.3	759.4	709.9	673.1	663.7	661.2	663.7
12.5°	917.5	904.6	879.8	820.0	718.4	702.2	673.1	651.8	650.1	654.3	677.4
15°	907.2	895.2	866.2	772.2	682.5	670.6	650.1	642.4	651.8	681.7	750.9
17.5°	896.9	883.3	847.4	725.2	655.2	646.7	632.1	647.5	700.5	740.6	763.7
20°	883.3	867.0	826.0	691.1	635.6	627.9	621.0	690.2	730.4	744.9	757.7
22.5°	867.0	849.9	797.0	667.2	615.1	609.1	613.3	714.1	730.4	740.6	751.7
25°	845.7	831.2	762.8	648.4	598.8	592.0	608.2	711.6	721.0	723.5	745.7
27.5°	826.0	807.2	726.9	631.3	579.2	576.6	612.5	700.5	707.3	709.9	733.8
30°	802.1	773.9	686.8	613.3	558.7	557.8	613.3	686.8	685.1	691.9	715.8
32.5°	777.3	724.4	641.5	591.1	539.0	538.2	607.4	666.3	664.6	674.0	691.9
35°	754.3	686.0	580.0	565.5	514.3	515.1	592.9	642.4	643.2	651.8	662.9
37.5°	730.4	652.6	512.6	537.3	490.4	490.4	573.2	620.2	618.5	621.0	636.4
40°	702.2	600.5	452.8	500.6	468.1	465.6	549.3	596.3	590.3	589.4	610.8
42.5°	672.3	543.3	408.4	451.9	442.5	439.1	520.2	567.2	556.1	558.7	586.0
45°	639.8	527.9	374.2	381.9	416.0	413.5	488.6	533.9	526.2	533.1	561.2
47.5°	607.4	497.2	363.1	317.0	387.9	387.0	453.6	501.5	497.2	504.0	533.9
50°	563.0	463.0	362.2	271.6	356.3	359.7	411.8	469.9	469.9	475.8	507.4
52.5°	505.7	421.2	328.9	246.0	319.5	329.8	375.0	442.5	444.2	450.2	478.4
55°	453.6	377.6	305.0	226.3	275.9	298.1	339.2	414.3	417.8	423.7	449.4
57.5°	405.8	314.4	299.8	203.3	235.7	257.1	307.6	387.0	388.7	393.8	418.6
60°	354.5	227.2	275.0	178.5	200.7	216.9	278.4	354.5	360.5	363.9	385.3
62.5°	296.4	164.8	249.4	161.4	183.6	187.1	254.5	323.8	331.5	334.0	346.9
65°	211.0	138.4	211.8	146.9	165.7	166.6	228.9	292.1	298.9	303.2	312.7
67.5°	142.6	112.7	161.4	133.2	152.0	152.9	204.1	255.4	264.8	268.2	274.2
70°	99.1	75.2	119.6	118.7	136.7	138.4	177.7	222.1	230.6	233.2	236.6
72.5°	72.6	60.6	99.1	106.8	120.4	122.1	150.3	184.5	193.0	195.6	197.3
75°	55.5	64.1	80.3	93.1	102.5	103.3	123.0	150.3	156.3	158.0	158.9
77.5°	44.4	59.8	58.9	75.2	83.7	82.0	96.5	116.2	121.3	121.3	121.3
80°	33.3	47.0	44.4	53.8	61.5	59.8	69.2	82.9	84.6	86.3	85.4
82.5°	24.8	29.9	29.9	34.2	41.0	39.3	46.1	53.8	53.8	53.8	55.5
85°	15.4	17.1	13.7	17.9	23.1	22.2	25.6	29.0	29.9	29.9	28.2
87.5°	9.4	7.7	4.3	6.8	10.2	10.2	12.0	12.8	12.0	12.0	12.0
90°	11.5	7.9	4.4	7.9	11.5	12.4	19.5	28.9	33.6	29.8	22.4
92.5°	77.8	47.7	17.7	47.7	77.8	85.3	120.0	166.2	189.3	165.9	119.2
95°	152.5	97.5	42.5	97.5	152.5	166.3	295.3	467.2	553.2	493.7	374.6
97.5°	170.5	121.9	73.4	121.9	170.5	182.6	397.7	684.4	827.8	790.2	714.9
100°	185.3	141.4	97.3	141.4	185.3	196.4	435.0	753.2	912.3	915.0	920.6
102.5°	199.8	158.7	117.6	158.7	199.8	210.0	452.1	774.9	936.2	984.2	1080.1
105°	221.7	187.0	152.1	187.0	221.7	230.4	464.8	777.3	933.6	1041.1	1256.1
107.5°	252.4	219.9	187.5	219.9	252.4	260.5	467.2	742.7	880.5	1030.5	1330.4
110°	269.9	240.7	211.4	240.7	269.9	277.2	463.6	712.1	836.3	1003.9	1339.3



TEST NUMBER: P935531

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	290.6	262.7	234.8	262.7	290.6	297.6	463.7	685.3	796.0	967.6	1310.8
115°	321.8	296.0	270.2	296.0	321.8	328.2	468.1	654.5	747.8	913.1	1243.7
117.5°	352.0	328.6	305.2	328.6	352.0	357.8	476.8	635.4	714.6	863.8	1162.1
120°	369.6	347.5	325.5	347.5	369.6	375.0	483.9	628.9	701.4	837.7	1110.3
122.5°	389.8	367.6	345.4	367.6	389.8	395.4	494.0	625.5	691.2	814.0	1059.5
125°	416.4	396.1	375.9	396.1	416.4	421.4	507.7	622.7	680.1	784.4	992.9
127.5°	441.5	421.1	400.7	421.1	441.5	446.6	521.4	621.0	670.8	760.3	939.5
130°	458.0	435.9	413.9	435.9	458.0	463.4	531.4	622.1	667.3	747.0	906.4
132.5°	471.7	449.7	427.7	449.7	471.7	477.2	539.6	622.7	664.3	735.6	878.3
135°	488.0	468.1	448.0	468.1	488.0	493.1	548.4	622.1	659.0	718.7	838.2
137.5°	508.5	488.6	468.7	488.6	508.5	513.4	561.6	625.9	658.0	708.5	809.5
140°	522.6	504.3	486.0	504.3	522.6	527.2	569.8	626.6	654.9	698.6	785.9
142.5°	533.1	516.1	499.2	516.1	533.1	537.3	576.5	628.8	654.9	693.3	769.9
145°	549.1	534.3	519.7	534.3	549.1	552.8	585.3	628.8	650.5	681.9	744.5
147.5°	568.7	554.3	540.0	554.3	568.7	572.3	598.3	633.1	650.5	675.2	724.6
150°	579.2	566.2	553.2	566.2	579.2	582.4	605.1	635.4	650.5	671.3	713.0
152.5°	586.6	576.8	567.0	576.8	586.6	589.1	609.6	636.8	650.5	668.3	703.9
155°	601.8	594.6	587.3	594.6	601.8	603.6	619.2	640.1	650.5	664.7	693.0
157.5°	616.4	609.4	602.3	609.4	616.4	618.2	629.0	643.3	650.5	661.5	683.6
160°	623.5	618.0	612.5	618.0	623.5	624.9	633.4	644.8	650.5	659.9	678.8
162.5°	630.9	626.8	622.7	626.8	630.9	632.0	638.1	646.4	650.5	658.4	674.4
165°	641.2	637.4	633.7	637.4	641.2	642.1	645.0	648.6	650.5	656.2	667.6
167.5°	647.4	645.6	643.9	645.6	647.4	647.9	650.2	653.4	654.9	658.7	666.1
170°	654.1	652.3	650.5	652.3	654.1	654.5	654.7	654.9	654.9	658.7	666.1
172.5°	654.9	654.4	654.1	654.4	654.9	654.9	654.9	654.9	654.9	657.8	663.7
175°	659.0	659.0	659.0	659.0	659.0	659.0	657.6	655.8	654.9	656.8	660.5
177.5°	659.0	659.0	659.0	659.0	659.0	659.0	657.9	656.5	655.8	657.3	660.2
180°	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0



TEST NUMBER: P935531

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9
2.5°	871.3	868.7	872.2	862.8	872.2	868.7	871.3	877.3	872.2	875.6	879.0
5°	764.5	760.3	746.6	735.5	746.6	760.3	764.5	782.5	791.0	806.4	826.9
7.5°	683.4	680.0	676.6	669.7	676.6	680.0	683.4	688.5	697.1	710.7	726.1
10°	665.5	666.3	671.4	670.6	671.4	666.3	665.5	663.7	661.2	663.7	673.1
12.5°	711.6	719.3	747.4	745.7	747.4	719.3	711.6	677.4	654.3	650.1	651.8
15°	764.5	767.1	773.1	773.9	773.1	767.1	764.5	750.9	681.7	651.8	642.4
17.5°	769.7	770.5	774.8	774.8	774.8	770.5	769.7	763.7	740.6	700.5	647.5
20°	765.4	767.1	775.6	777.3	775.6	767.1	765.4	757.7	744.9	730.4	690.2
22.5°	763.7	767.1	773.9	773.1	773.9	767.1	763.7	751.7	740.6	730.4	714.1
25°	755.1	755.1	756.0	756.8	756.0	755.1	755.1	745.7	723.5	721.0	711.6
27.5°	737.2	738.9	744.0	743.2	744.0	738.9	737.2	733.8	709.9	707.3	700.5
30°	721.0	719.3	715.0	711.6	715.0	719.3	721.0	715.8	691.9	685.1	686.8
32.5°	693.6	689.4	685.1	682.5	685.1	689.4	693.6	691.9	674.0	664.6	666.3
35°	661.2	662.0	661.2	658.6	661.2	662.0	661.2	662.9	651.8	643.2	642.4
37.5°	638.1	639.8	639.0	635.6	639.0	639.8	638.1	636.4	621.0	618.5	620.2
40°	614.2	615.1	614.2	611.6	614.2	615.1	614.2	610.8	589.4	590.3	596.3
42.5°	591.1	590.3	587.7	586.0	587.7	590.3	591.1	586.0	558.7	556.1	567.2
45°	564.7	565.5	560.4	557.8	560.4	565.5	564.7	561.2	533.1	526.2	533.9
47.5°	538.2	538.2	533.9	531.4	533.9	538.2	538.2	533.9	504.0	497.2	501.5
50°	510.0	509.1	503.2	502.3	503.2	509.1	510.0	507.4	475.8	469.9	469.9
52.5°	477.5	477.5	478.4	480.1	478.4	477.5	477.5	478.4	450.2	444.2	442.5
55°	449.4	450.2	456.2	457.9	456.2	450.2	449.4	449.4	423.7	417.8	414.3
57.5°	420.3	420.3	424.6	424.6	424.6	420.3	420.3	418.6	393.8	388.7	387.0
60°	387.0	388.7	392.1	391.3	392.1	388.7	387.0	385.3	363.9	360.5	354.5
62.5°	352.0	353.7	354.5	352.8	354.5	353.7	352.0	346.9	334.0	331.5	323.8
65°	315.3	317.0	317.8	316.1	317.8	317.0	315.3	312.7	303.2	298.9	292.1
67.5°	277.6	276.7	275.9	279.3	275.9	276.7	277.6	274.2	268.2	264.8	255.4
70°	239.2	239.2	238.3	240.0	238.3	239.2	239.2	236.6	233.2	230.6	222.1
72.5°	198.2	197.3	200.7	198.2	200.7	197.3	198.2	197.3	195.6	193.0	184.5
75°	158.0	159.7	158.0	160.6	158.0	159.7	158.0	158.9	158.0	156.3	150.3
77.5°	120.4	122.1	120.4	120.4	120.4	122.1	120.4	121.3	121.3	121.3	116.2
80°	85.4	84.6	84.6	83.7	84.6	84.6	85.4	85.4	86.3	84.6	82.9
82.5°	54.7	53.8	53.8	55.5	53.8	53.8	54.7	55.5	53.8	53.8	53.8
85°	29.9	30.7	29.0	29.0	29.0	30.7	29.9	28.2	29.9	29.9	29.0
87.5°	11.1	10.2	10.2	10.2	10.2	10.2	11.1	12.0	12.0	12.0	12.8
90°	16.8	16.8	16.8	16.8	16.8	16.8	16.8	22.4	29.8	33.6	28.9
92.5°	84.0	80.7	67.3	54.0	67.3	80.7	84.0	119.2	165.9	189.3	166.2
95°	285.3	275.1	234.6	194.1	234.6	275.1	285.3	374.6	493.7	553.2	467.2
97.5°	658.4	639.2	562.2	485.1	562.2	639.2	658.4	714.9	790.2	827.8	684.4
100°	924.7	901.7	810.0	718.2	810.0	901.7	924.7	920.6	915.0	912.3	753.2
102.5°	1152.0	1132.4	1053.7	975.2	1053.7	1132.4	1152.0	1080.1	984.2	936.2	774.9
105°	1417.3	1406.7	1364.6	1322.3	1364.6	1406.7	1417.3	1256.1	1041.1	933.6	777.3
107.5°	1555.3	1557.8	1568.1	1578.3	1568.1	1557.8	1555.3	1330.4	1030.5	880.5	742.7
110°	1590.7	1601.7	1645.7	1689.7	1645.7	1601.7	1590.7	1339.3	1003.9	836.3	712.1



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CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1568.2	1585.1	1652.7	1720.3	1652.7	1585.1	1568.2	1310.8	967.6	796.0	685.3
115°	1491.6	1515.1	1608.8	1702.6	1608.8	1515.1	1491.6	1243.7	913.1	747.8	654.5
117.5°	1385.9	1411.9	1515.9	1619.9	1515.9	1411.9	1385.9	1162.1	863.8	714.6	635.4
120°	1314.8	1340.0	1441.0	1542.0	1441.0	1340.0	1314.8	1110.3	837.7	701.4	628.9
122.5°	1243.5	1268.5	1368.1	1467.7	1368.1	1268.5	1243.5	1059.5	814.0	691.2	625.5
125°	1149.3	1172.3	1264.0	1355.8	1264.0	1172.3	1149.3	992.9	784.4	680.1	622.7
127.5°	1073.7	1093.1	1170.5	1248.0	1170.5	1093.1	1073.7	939.5	760.3	670.8	621.0
130°	1026.0	1043.8	1115.4	1187.0	1115.4	1043.8	1026.0	906.4	747.0	667.3	622.1
132.5°	985.3	1001.3	1065.4	1129.4	1065.4	1001.3	985.3	878.3	735.6	664.3	622.7
135°	927.8	941.7	996.9	1052.0	996.9	941.7	927.8	838.2	718.7	659.0	622.1
137.5°	885.3	896.6	941.8	987.0	941.8	896.6	885.3	809.5	708.5	658.0	625.9
140°	851.3	861.9	904.1	946.4	904.1	861.9	851.3	785.9	698.6	654.9	626.6
142.5°	827.4	836.4	872.8	909.2	872.8	836.4	827.4	769.9	693.3	654.9	628.8
145°	791.6	798.5	826.0	853.5	826.0	798.5	791.6	744.5	681.9	650.5	628.8
147.5°	761.5	767.3	790.0	812.8	790.0	767.3	761.5	724.6	675.2	650.5	633.1
150°	744.3	748.9	767.4	785.9	767.4	748.9	744.3	713.0	671.3	650.5	635.4
152.5°	730.5	734.0	748.0	762.0	748.0	734.0	730.5	703.9	668.3	650.5	636.8
155°	714.2	716.5	725.8	735.0	725.8	716.5	714.2	693.0	664.7	650.5	640.1
157.5°	700.0	701.7	708.2	714.6	708.2	701.7	700.0	683.6	661.5	650.5	643.3
160°	693.0	693.9	697.7	701.4	697.7	693.9	693.0	678.8	659.9	650.5	644.8
162.5°	686.4	687.2	690.8	694.3	690.8	687.2	686.4	674.4	658.4	650.5	646.4
165°	676.1	677.1	680.8	684.6	680.8	677.1	676.1	667.6	656.2	650.5	648.6
167.5°	671.8	672.2	673.7	675.3	673.7	672.2	671.8	666.1	658.7	654.9	653.4
170°	671.8	671.8	671.8	671.8	671.8	671.8	671.8	666.1	658.7	654.9	654.9
172.5°	668.2	667.8	666.5	665.1	666.5	667.8	668.2	663.7	657.8	654.9	654.9
175°	663.3	663.3	663.3	663.3	663.3	663.3	663.3	660.5	656.8	654.9	655.8
177.5°	662.5	662.0	660.5	659.0	660.5	662.0	662.5	660.2	657.3	655.8	656.5
180°	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0



TEST NUMBER: P935531

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	902.9	902.9	902.9	902.9	902.9
2.5°	891.8	896.1	898.6	902.0	910.6
5°	857.6	873.9	879.0	891.8	907.2
7.5°	782.5	832.0	845.7	876.4	900.3
10°	709.9	759.4	783.3	855.9	891.8
12.5°	673.1	702.2	718.4	820.0	879.8
15°	650.1	670.6	682.5	772.2	866.2
17.5°	632.1	646.7	655.2	725.2	847.4
20°	621.0	627.9	635.6	691.1	826.0
22.5°	613.3	609.1	615.1	667.2	797.0
25°	608.2	592.0	598.8	648.4	762.8
27.5°	612.5	576.6	579.2	631.3	726.9
30°	613.3	557.8	558.7	613.3	686.8
32.5°	607.4	538.2	539.0	591.1	641.5
35°	592.9	515.1	514.3	565.5	580.0
37.5°	573.2	490.4	490.4	537.3	512.6
40°	549.3	465.6	468.1	500.6	452.8
42.5°	520.2	439.1	442.5	451.9	408.4
45°	488.6	413.5	416.0	381.9	374.2
47.5°	453.6	387.0	387.9	317.0	363.1
50°	411.8	359.7	356.3	271.6	362.2
52.5°	375.0	329.8	319.5	246.0	328.9
55°	339.2	298.1	275.9	226.3	305.0
57.5°	307.6	257.1	235.7	203.3	299.8
60°	278.4	216.9	200.7	178.5	275.0
62.5°	254.5	187.1	183.6	161.4	249.4
65°	228.9	166.6	165.7	146.9	211.8
67.5°	204.1	152.9	152.0	133.2	161.4
70°	177.7	138.4	136.7	118.7	119.6
72.5°	150.3	122.1	120.4	106.8	99.1
75°	123.0	103.3	102.5	93.1	80.3
77.5°	96.5	82.0	83.7	75.2	58.9
80°	69.2	59.8	61.5	53.8	44.4
82.5°	46.1	39.3	41.0	34.2	29.9
85°	25.6	22.2	23.1	17.9	13.7
87.5°	12.0	10.2	10.2	6.8	4.3
90°	19.5	12.4	11.5	7.9	4.4
92.5°	120.0	85.3	77.8	47.7	17.7
95°	295.3	166.3	152.5	97.5	42.5
97.5°	397.7	182.6	170.5	121.9	73.4
100°	435.0	196.4	185.3	141.4	97.3
102.5°	452.1	210.0	199.8	158.7	117.6
105°	464.8	230.4	221.7	187.0	152.1
107.5°	467.2	260.5	252.4	219.9	187.5
110°	463.6	277.2	269.9	240.7	211.4



TEST NUMBER: P935531

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	463.7	297.6	290.6	262.7	234.8
115°	468.1	328.2	321.8	296.0	270.2
117.5°	476.8	357.8	352.0	328.6	305.2
120°	483.9	375.0	369.6	347.5	325.5
122.5°	494.0	395.4	389.8	367.6	345.4
125°	507.7	421.4	416.4	396.1	375.9
127.5°	521.4	446.6	441.5	421.1	400.7
130°	531.4	463.4	458.0	435.9	413.9
132.5°	539.6	477.2	471.7	449.7	427.7
135°	548.4	493.1	488.0	468.1	448.0
137.5°	561.6	513.4	508.5	488.6	468.7
140°	569.8	527.2	522.6	504.3	486.0
142.5°	576.5	537.3	533.1	516.1	499.2
145°	585.3	552.8	549.1	534.3	519.7
147.5°	598.3	572.3	568.7	554.3	540.0
150°	605.1	582.4	579.2	566.2	553.2
152.5°	609.6	589.1	586.6	576.8	567.0
155°	619.2	603.6	601.8	594.6	587.3
157.5°	629.0	618.2	616.4	609.4	602.3
160°	633.4	624.9	623.5	618.0	612.5
162.5°	638.1	632.0	630.9	626.8	622.7
165°	645.0	642.1	641.2	637.4	633.7
167.5°	650.2	647.9	647.4	645.6	643.9
170°	654.7	654.5	654.1	652.3	650.5
172.5°	654.9	654.9	654.9	654.4	654.1
175°	657.6	659.0	659.0	659.0	659.0
177.5°	657.9	659.0	659.0	659.0	659.0
180°	659.0	659.0	659.0	659.0	659.0



TEST NUMBER: P935531
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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	10.66	11.40	11.73	12.47	13.94	13.45	14.20	14.53	15.27	16.74
	3H	11.12	11.79	12.21	12.87	14.36	14.78	15.45	15.86	16.53	18.01
	4H	11.31	11.94	12.40	13.03	14.52	15.21	15.84	16.31	16.93	18.42
	6H	11.42	12.01	12.53	13.09	14.59	15.48	16.07	16.59	17.15	18.65
	8H	11.42	11.97	12.53	13.08	14.57	15.55	16.10	16.66	17.21	18.70
	12H	11.39	11.91	12.50	13.01	14.53	15.58	16.11	16.69	17.20	18.72
4H	2H	11.67	12.30	12.77	13.38	14.87	13.85	14.48	14.95	15.57	17.06
	3H	12.68	13.21	13.79	14.32	15.82	15.34	15.86	16.44	16.97	18.48
	4H	12.95	13.44	14.07	14.54	16.06	15.85	16.34	16.96	17.44	18.96
	6H	13.07	13.49	14.19	14.61	16.13	16.20	16.62	17.32	17.74	19.26
	8H	13.08	13.46	14.19	14.58	16.11	16.30	16.69	17.42	17.80	19.34
	12H	13.04	13.39	14.17	14.52	16.05	16.35	16.70	17.48	17.83	19.36
8H	4H	13.39	13.78	14.51	14.90	16.43	15.97	16.35	17.09	17.47	19.00
	6H	13.65	13.97	14.79	15.13	16.65	16.39	16.71	17.53	17.87	19.40
	8H	13.69	13.97	14.84	15.11	16.66	16.54	16.82	17.68	17.96	19.50
	12H	13.67	13.92	14.82	15.05	16.63	16.62	16.87	17.77	18.01	19.59
12H	4H	13.39	13.74	14.53	14.87	16.41	15.93	16.28	17.06	17.41	18.94
	6H	13.71	13.99	14.85	15.13	16.67	16.39	16.67	17.53	17.81	19.35
	8H	13.77	14.01	14.92	15.15	16.73	16.54	16.78	17.69	17.92	19.50