

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: P935586

Luminaire Tested: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935586
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-4-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

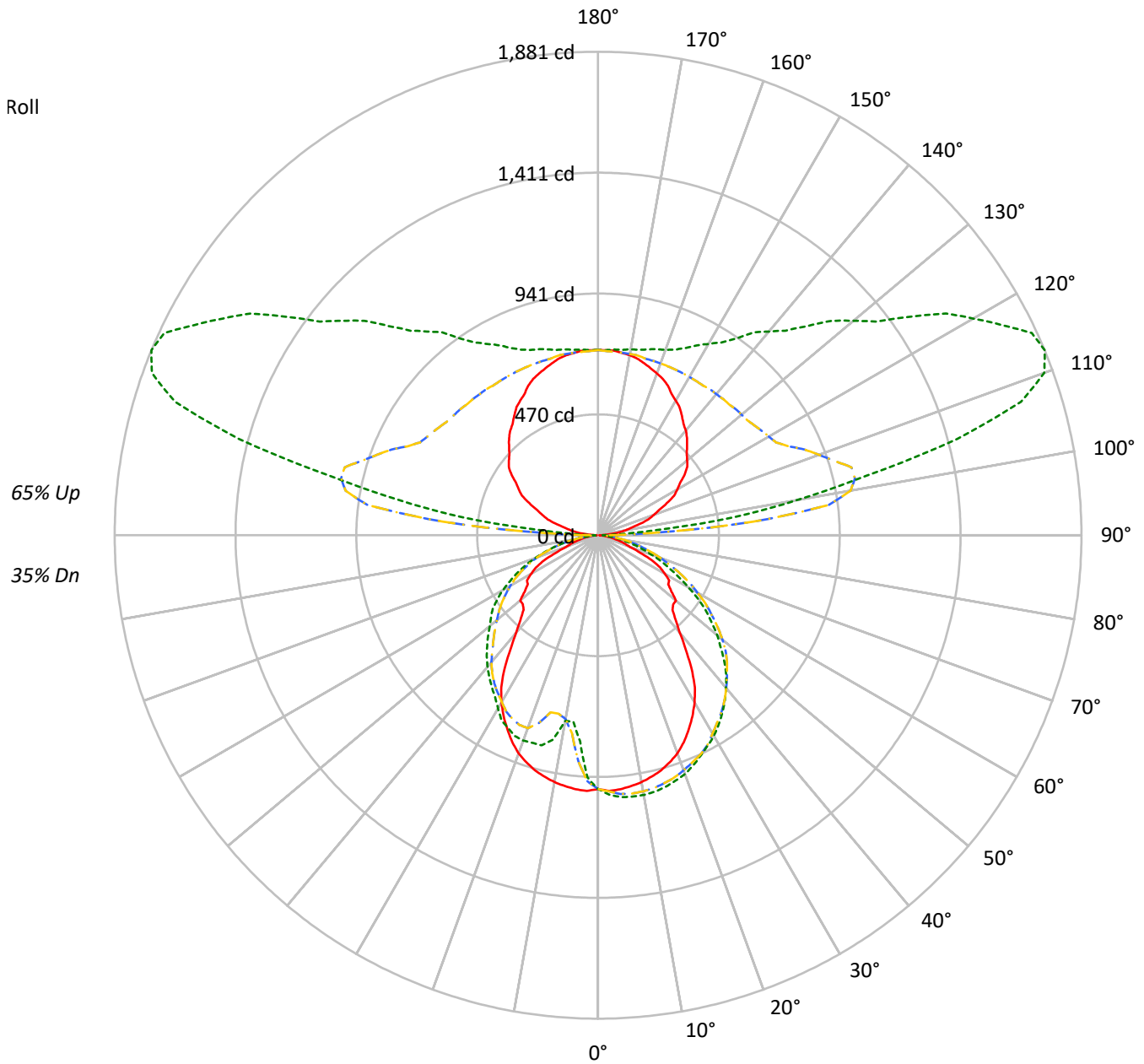
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7233.8 lumens
Efficiency: N/A
Efficacy: 130.1 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-4-5000K

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			
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°	9161	9161	9161	9161
5°	9220	9249	9220	7272
10°	9148	9111	9148	6513
15°	9039	8914	9039	7442
20°	8839	8679	8839	7458
25°	8443	8338	8443	7300
30°	7932	8055	7932	6953
35°	7062	7697	7062	6572
40°	5874	7275	5874	6283
45°	5239	6782	5239	5952
50°	5553	6193	5553	5620
55°	5209	5560	5209	5427
60°	5349	4722	5349	4972
65°	4826	3903	4826	4364
70°	3321	3110	3321	3657
75°	2879	2298	2879	2753
80°	2275	1521	2275	1654
85°	1234	806	1234	685

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8044 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.1	1.2
10°-20°	253.1	3.5
20°-30°	391.2	5.4
30°-40°	467.0	6.5
40°-50°	469.7	6.5
50°-60°	408.7	5.7
60°-70°	289.8	4.0
70°-80°	153.3	2.1
80°-90°	40.9	0.6
90°-100°	351.2	4.9
100°-110°	923.4	12.8
110°-120°	957.5	13.2
120°-130°	768.0	10.6
130°-140°	602.6	8.3
140°-150°	462.5	6.4
150°-160°	333.1	4.6
160°-170°	203.8	2.8
170°-180°	68.9	1.0
0°-30°	733.4	10.1
0°-40°	1200.3	16.6
0°-60°	2078.8	28.7
0°-90°	2562.8	35.4
90°-120°	2232.1	30.9
90°-150°	4065.2	56.2
90°-180°	4671.0	64.6
0°-180°	7233.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	987	987	987	987	987	
5°	992	1023	992	804	992	94
15°	947	1014	947	846	947	267
25°	834	945	834	828	834	383
35°	634	844	634	720	634	392
45°	409	695	409	610	409	328
55°	334	513	334	501	334	306
65°	232	309	232	346	232	221
75°	88	147	88	176	88	92
85°	15	37	15	32	15	20
90°	5	18	5	18	5	5
95°	46	212	46	212	46	52
105°	166	1446	166	1446	166	176
115°	295	1862	295	1862	295	292
125°	411	1483	411	1483	411	365
135°	490	1150	490	1150	490	379
145°	568	933	568	933	568	356
155°	642	804	642	804	642	295
165°	693	749	693	749	693	196
175°	721	725	721	725	721	68
180°	721	721	721	721	721	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3
2.5°	995.7	995.7	1001.4	1003.3	1003.3	1000.5	997.7	1000.5	1008.9	1011.7	1010.8
5°	992.0	999.6	1009.8	1011.7	1013.6	1012.6	1010.8	1012.6	1022.0	1023.9	1024.8
7.5°	984.5	998.6	1011.7	1014.5	1017.3	1014.5	1013.6	1015.4	1024.8	1026.7	1026.7
10°	975.2	994.8	1009.8	1011.7	1014.5	1011.7	1011.7	1015.4	1024.8	1026.7	1027.6
12.5°	962.1	989.2	1003.3	1005.2	1008.9	1008.0	1007.0	1010.8	1020.1	1022.0	1022.0
15°	947.2	978.9	992.0	993.9	1000.5	998.6	998.6	1002.4	1012.6	1015.4	1014.5
17.5°	926.6	965.8	980.8	983.6	988.3	987.3	988.3	992.0	1001.4	1003.3	1004.2
20°	903.3	948.1	965.8	968.7	973.3	973.3	973.3	978.0	987.3	991.1	991.1
22.5°	871.5	929.4	948.1	950.0	955.6	955.6	957.4	964.0	972.4	973.3	973.3
25°	834.2	908.9	924.8	930.4	936.0	938.8	941.6	945.3	948.1	947.2	948.1
27.5°	794.9	882.7	903.3	907.0	914.5	917.3	921.0	922.0	922.9	925.7	923.8
30°	751.0	846.3	877.1	880.9	893.0	894.9	891.1	893.0	897.7	899.5	901.4
32.5°	701.5	792.1	850.0	858.4	869.6	864.0	863.1	865.9	873.4	873.4	875.3
35°	634.3	750.1	824.8	832.3	840.7	834.2	837.9	838.8	843.5	846.3	845.4
37.5°	560.5	713.7	798.7	804.3	810.8	802.4	808.0	810.8	814.5	812.7	812.7
40°	495.1	656.7	767.8	771.6	777.2	770.6	776.2	778.1	780.0	778.1	777.2
42.5°	446.5	594.1	735.2	739.8	736.1	740.8	742.6	746.4	743.6	739.8	739.8
45°	409.2	577.3	699.7	705.3	699.7	707.1	709.9	709.9	701.5	699.7	698.7
47.5°	397.0	543.7	664.2	664.2	661.4	670.7	675.4	668.8	660.4	657.6	657.6
50°	396.1	506.3	615.6	611.9	624.9	636.1	631.5	624.9	618.4	608.1	608.1
52.5°	359.7	460.6	553.0	567.0	587.6	594.1	586.6	580.1	568.9	564.2	560.5
55°	333.5	412.9	496.0	524.1	545.5	554.0	539.9	533.4	516.6	513.8	511.9
57.5°	327.8	343.8	443.7	479.2	505.4	504.5	496.0	483.9	469.9	467.1	466.2
60°	300.7	248.4	387.7	429.7	456.8	454.0	446.5	435.3	422.3	420.4	418.5
62.5°	272.7	180.3	324.1	371.8	410.1	409.2	402.6	385.8	376.5	371.8	368.1
65°	231.6	151.3	230.7	309.2	364.4	366.2	352.2	340.1	329.7	324.1	323.2
67.5°	176.5	123.3	156.0	257.8	320.4	318.5	300.7	295.1	282.1	279.3	273.7
70°	130.8	82.2	108.3	209.2	277.4	272.7	258.7	252.2	240.0	233.5	229.8
72.5°	108.3	66.3	79.4	162.5	233.5	227.9	215.8	208.3	198.0	192.4	188.7
75°	87.8	70.0	60.7	120.5	189.6	185.9	174.7	167.2	158.8	151.3	152.2
77.5°	64.4	65.4	48.6	88.7	150.4	144.8	138.2	128.9	125.2	117.7	117.7
80°	48.6	51.4	36.4	60.7	108.3	108.3	102.7	96.2	89.7	85.9	85.9
82.5°	32.7	32.7	27.1	38.3	73.8	71.0	67.2	65.4	61.6	59.8	59.8
85°	14.9	18.7	16.8	23.4	40.2	42.0	42.0	40.2	39.2	37.4	38.3
87.5°	4.7	8.4	10.3	13.1	20.5	21.5	22.4	22.4	22.4	23.4	23.4
90°	4.9	8.7	12.6	13.5	21.3	31.6	36.7	32.6	24.5	18.4	18.4
92.5°	19.3	52.2	85.1	93.3	131.2	181.8	207.0	181.4	130.3	91.9	88.3
95°	46.4	106.6	166.8	181.8	322.9	510.9	605.0	539.9	409.7	312.0	300.8
97.5°	80.2	133.3	186.4	199.7	434.9	748.4	905.2	864.0	781.8	720.0	699.0
100°	106.4	154.6	202.7	214.7	475.7	823.6	997.6	1000.6	1006.7	1011.1	986.0
102.5°	128.6	173.5	218.5	229.7	494.4	847.3	1023.8	1076.2	1181.1	1259.8	1238.3
105°	166.3	204.5	242.5	252.0	508.3	850.0	1020.9	1138.5	1373.5	1549.9	1538.3
107.5°	205.0	240.5	276.0	284.9	510.9	812.2	962.9	1126.9	1454.8	1700.7	1703.5
110°	231.2	263.2	295.1	303.2	507.0	778.7	914.5	1097.8	1464.5	1739.5	1751.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	256.8	287.3	317.7	325.4	507.1	749.3	870.5	1058.1	1433.4	1714.8	1733.3
115°	295.4	323.6	351.8	358.8	511.8	715.7	817.7	998.4	1360.0	1631.1	1656.7
117.5°	333.7	359.3	384.9	391.3	521.4	694.8	781.5	944.6	1270.8	1515.5	1543.9
120°	355.9	380.0	404.1	410.1	529.1	687.7	767.0	916.1	1214.1	1437.7	1465.4
122.5°	377.7	402.0	426.3	432.3	540.2	684.0	755.9	890.1	1158.5	1359.8	1387.1
125°	411.1	433.2	455.3	460.8	555.2	680.9	743.7	857.8	1085.8	1256.8	1281.9
127.5°	438.1	460.5	482.8	488.4	570.1	679.1	733.6	831.4	1027.3	1174.1	1195.3
130°	452.6	476.7	500.8	506.8	581.1	680.2	729.7	816.9	991.2	1121.9	1141.4
132.5°	467.7	491.8	515.8	521.8	590.0	680.9	726.4	804.4	960.4	1077.5	1094.9
135°	489.9	511.8	533.7	539.2	599.6	680.2	720.6	786.0	916.6	1014.6	1029.7
137.5°	512.6	534.2	556.0	561.4	614.1	684.4	719.6	774.8	885.2	968.1	980.4
140°	531.4	551.4	571.4	576.5	623.1	685.2	716.2	763.9	859.4	930.9	942.5
142.5°	545.9	564.4	582.9	587.6	630.4	687.6	716.2	758.1	841.9	904.8	914.7
145°	568.2	584.3	600.5	604.5	640.1	687.6	711.3	745.6	814.2	865.6	873.2
147.5°	590.5	606.2	621.9	625.8	654.3	692.3	711.3	738.3	792.3	832.8	839.0
150°	605.0	619.1	633.3	636.9	661.7	694.8	711.3	734.1	779.7	813.9	818.9
152.5°	620.0	630.7	641.5	644.2	666.6	696.4	711.3	730.8	769.7	798.9	802.7
155°	642.2	650.2	658.1	660.1	677.2	699.9	711.3	726.8	757.8	781.0	783.5
157.5°	658.7	666.4	674.1	676.0	687.8	703.5	711.3	723.4	747.5	765.5	767.3
160°	669.8	675.7	681.8	683.3	692.7	705.1	711.3	721.6	742.2	757.8	758.8
162.5°	680.9	685.4	689.9	691.1	697.8	706.9	711.3	720.0	737.5	750.6	751.5
165°	692.9	697.0	701.2	702.2	705.3	709.3	711.3	717.6	730.0	739.4	740.4
167.5°	704.1	706.0	708.0	708.4	711.1	714.5	716.2	720.3	728.4	734.6	735.1
170°	711.3	713.3	715.3	715.7	715.9	716.1	716.2	720.3	728.4	734.6	734.6
172.5°	715.3	715.6	716.1	716.2	716.2	716.2	716.2	719.4	725.8	730.7	730.3
175°	720.6	720.6	720.6	720.6	719.1	717.1	716.2	718.2	722.3	725.3	725.3
177.5°	720.6	720.6	720.6	720.6	719.5	717.9	717.1	718.7	722.0	724.4	723.9
180°	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3
2.5°	1012.6	1009.8	1012.6	1010.8	1011.7	1008.9	1000.5	997.7	1000.5	1003.3	1003.3
5°	1024.8	1022.9	1024.8	1024.8	1023.9	1022.0	1012.6	1010.8	1012.6	1013.6	1011.7
7.5°	1028.5	1025.7	1028.5	1026.7	1026.7	1024.8	1015.4	1013.6	1014.5	1017.3	1014.5
10°	1028.5	1025.7	1028.5	1027.6	1026.7	1024.8	1015.4	1011.7	1011.7	1014.5	1011.7
12.5°	1023.9	1022.0	1023.9	1022.0	1022.0	1020.1	1010.8	1007.0	1008.0	1008.9	1005.2
15°	1016.4	1013.6	1016.4	1014.5	1015.4	1012.6	1002.4	998.6	998.6	1000.5	993.9
17.5°	1005.2	1001.4	1005.2	1004.2	1003.3	1001.4	992.0	988.3	987.3	988.3	983.6
20°	992.0	989.2	992.0	991.1	991.1	987.3	978.0	973.3	973.3	973.3	968.7
22.5°	971.5	968.7	971.5	973.3	973.3	972.4	964.0	957.4	955.6	955.6	950.0
25°	948.1	945.3	948.1	948.1	947.2	948.1	945.3	941.6	938.8	936.0	930.4
27.5°	925.7	923.8	925.7	923.8	925.7	922.9	922.0	921.0	917.3	914.5	907.0
30°	903.3	901.4	903.3	901.4	899.5	897.7	893.0	891.1	894.9	893.0	880.9
32.5°	875.3	873.4	875.3	875.3	873.4	873.4	865.9	863.1	864.0	869.6	858.4
35°	846.3	843.5	846.3	845.4	846.3	843.5	838.8	837.9	834.2	840.7	832.3
37.5°	812.7	809.9	812.7	812.7	812.7	814.5	810.8	808.0	802.4	810.8	804.3
40°	778.1	774.4	778.1	777.2	778.1	780.0	778.1	776.2	770.6	777.2	771.6
42.5°	738.9	738.0	738.9	739.8	739.8	743.6	746.4	742.6	740.8	736.1	739.8
45°	696.9	695.0	696.9	698.7	699.7	701.5	709.9	709.9	707.1	699.7	705.3
47.5°	652.0	647.4	652.0	657.6	657.6	660.4	668.8	675.4	670.7	661.4	664.2
50°	604.4	605.3	604.4	608.1	608.1	618.4	624.9	631.5	636.1	624.9	611.9
52.5°	557.7	556.8	557.7	560.5	564.2	568.9	580.1	586.6	594.1	587.6	567.0
55°	511.0	512.9	511.0	511.9	513.8	516.6	533.4	539.9	554.0	545.5	524.1
57.5°	464.3	461.5	464.3	466.2	467.1	469.9	483.9	496.0	504.5	505.4	479.2
60°	410.1	406.4	410.1	418.5	420.4	422.3	435.3	446.5	454.0	456.8	429.7
62.5°	362.5	355.9	362.5	368.1	371.8	376.5	385.8	402.6	409.2	410.1	371.8
65°	312.0	309.2	312.0	323.2	324.1	329.7	340.1	352.2	366.2	364.4	309.2
67.5°	266.2	266.2	266.2	273.7	279.3	282.1	295.1	300.7	318.5	320.4	257.8
70°	224.2	223.2	224.2	229.8	233.5	240.0	252.2	258.7	272.7	277.4	209.2
72.5°	184.0	183.1	184.0	188.7	192.4	198.0	208.3	215.8	227.9	233.5	162.5
75°	148.5	146.6	148.5	152.2	151.3	158.8	167.2	174.7	185.9	189.6	120.5
77.5°	113.9	113.9	113.9	117.7	117.7	125.2	128.9	138.2	144.8	150.4	88.7
80°	85.0	84.1	85.0	85.9	85.9	89.7	96.2	102.7	108.3	108.3	60.7
82.5°	59.8	57.9	59.8	59.8	59.8	61.6	65.4	67.2	71.0	73.8	38.3
85°	37.4	37.4	37.4	38.3	37.4	39.2	40.2	42.0	42.0	40.2	23.4
87.5°	24.3	23.4	24.3	23.4	23.4	22.4	22.4	22.4	21.5	20.5	13.1
90°	18.4	18.4	18.4	18.4	18.4	24.5	32.6	36.7	31.6	21.3	13.5
92.5°	73.6	59.0	73.6	88.3	91.9	130.3	181.4	207.0	181.8	131.2	93.3
95°	256.6	212.3	256.6	300.8	312.0	409.7	539.9	605.0	510.9	322.9	181.8
97.5°	614.8	530.5	614.8	699.0	720.0	781.8	864.0	905.2	748.4	434.9	199.7
100°	885.7	785.3	885.7	986.0	1011.1	1006.7	1000.6	997.6	823.6	475.7	214.7
102.5°	1152.3	1066.3	1152.3	1238.3	1259.8	1181.1	1076.2	1023.8	847.3	494.4	229.7
105°	1492.2	1445.9	1492.2	1538.3	1549.9	1373.5	1138.5	1020.9	850.0	508.3	252.0
107.5°	1714.7	1725.9	1714.7	1703.5	1700.7	1454.8	1126.9	962.9	812.2	510.9	284.9
110°	1799.6	1847.7	1799.6	1751.5	1739.5	1464.5	1097.8	914.5	778.7	507.0	303.2



TEST NUMBER: P935586

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1807.2	1881.2	1807.2	1733.3	1714.8	1433.4	1058.1	870.5	749.3	507.1	325.4
115°	1759.3	1861.8	1759.3	1656.7	1631.1	1360.0	998.4	817.7	715.7	511.8	358.8
117.5°	1657.7	1771.3	1657.7	1543.9	1515.5	1270.8	944.6	781.5	694.8	521.4	391.3
120°	1575.8	1686.2	1575.8	1465.4	1437.7	1214.1	916.1	767.0	687.7	529.1	410.1
122.5°	1496.0	1605.0	1496.0	1387.1	1359.8	1158.5	890.1	755.9	684.0	540.2	432.3
125°	1382.2	1482.6	1382.2	1281.9	1256.8	1085.8	857.8	743.7	680.9	555.2	460.8
127.5°	1280.0	1364.7	1280.0	1195.3	1174.1	1027.3	831.4	733.6	679.1	570.1	488.4
130°	1219.7	1298.0	1219.7	1141.4	1121.9	991.2	816.9	729.7	680.2	581.1	506.8
132.5°	1165.0	1235.0	1165.0	1094.9	1077.5	960.4	804.4	726.4	680.9	590.0	521.8
135°	1090.1	1150.4	1090.1	1029.7	1014.6	916.6	786.0	720.6	680.2	599.6	539.2
137.5°	1029.9	1079.3	1029.9	980.4	968.1	885.2	774.8	719.6	684.4	614.1	561.4
140°	988.6	1034.9	988.6	942.5	930.9	859.4	763.9	716.2	685.2	623.1	576.5
142.5°	954.5	994.2	954.5	914.7	904.8	841.9	758.1	716.2	687.6	630.4	587.6
145°	903.3	933.3	903.3	873.2	865.6	814.2	745.6	711.3	687.6	640.1	604.5
147.5°	863.9	888.8	863.9	839.0	832.8	792.3	738.3	711.3	692.3	654.3	625.8
150°	839.2	859.4	839.2	818.9	813.9	779.7	734.1	711.3	694.8	661.7	636.9
152.5°	817.9	833.2	817.9	802.7	798.9	769.7	730.8	711.3	696.4	666.6	644.2
155°	793.6	803.7	793.6	783.5	781.0	757.8	726.8	711.3	699.9	677.2	660.1
157.5°	774.4	781.5	774.4	767.3	765.5	747.5	723.4	711.3	703.5	687.8	676.0
160°	762.9	767.0	762.9	758.8	757.8	742.2	721.6	711.3	705.1	692.7	683.3
162.5°	755.4	759.2	755.4	751.5	750.6	737.5	720.0	711.3	706.9	697.8	691.1
165°	744.5	748.6	744.5	740.4	739.4	730.0	717.6	711.3	709.3	705.3	702.2
167.5°	736.7	738.4	736.7	735.1	734.6	728.4	720.3	716.2	714.5	711.1	708.4
170°	734.6	734.6	734.6	734.6	734.6	728.4	720.3	716.2	716.1	715.9	715.7
172.5°	728.8	727.3	728.8	730.3	730.7	725.8	719.4	716.2	716.2	716.2	716.2
175°	725.3	725.3	725.3	725.3	725.3	722.3	718.2	716.2	717.1	719.1	720.6
177.5°	722.3	720.6	722.3	723.9	724.4	722.0	718.7	717.1	717.9	719.5	720.6
180°	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6



TEST NUMBER: P935586

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3
2.5°	1001.4	995.7	995.7	986.4	982.7	979.9	975.2	961.2	957.4	953.7	959.3
5°	1009.8	999.6	992.0	975.2	961.2	955.6	937.8	904.2	881.8	865.0	855.6
7.5°	1011.7	998.6	984.5	958.4	924.8	909.8	855.6	794.0	777.2	762.2	752.9
10°	1009.8	994.8	975.2	936.0	856.6	830.4	776.2	736.1	725.8	723.0	725.8
12.5°	1003.3	989.2	962.1	896.7	785.6	767.8	736.1	712.7	710.9	715.5	740.8
15°	992.0	978.9	947.2	844.4	746.4	733.3	710.9	702.5	712.7	745.4	821.1
17.5°	980.8	965.8	926.6	793.1	716.5	707.1	691.3	708.1	766.0	809.9	835.1
20°	965.8	948.1	903.3	755.7	695.0	686.6	679.1	754.8	798.7	814.5	828.6
22.5°	948.1	929.4	871.5	729.5	672.6	666.0	670.7	780.9	798.7	809.9	822.0
25°	924.8	908.9	834.2	709.0	654.8	647.4	665.1	778.1	788.4	791.2	815.5
27.5°	903.3	882.7	794.9	690.3	633.3	630.5	669.8	766.0	773.4	776.2	802.4
30°	877.1	846.3	751.0	670.7	610.9	610.0	670.7	751.0	749.2	756.6	782.8
32.5°	850.0	792.1	701.5	646.4	589.4	588.5	664.2	728.6	726.7	737.0	756.6
35°	824.8	750.1	634.3	618.4	562.4	563.3	648.3	702.5	703.4	712.7	724.9
37.5°	798.7	713.7	560.5	587.6	536.2	536.2	626.8	678.2	676.3	679.1	695.9
40°	767.8	656.7	495.1	547.4	511.9	509.1	600.7	652.0	645.5	644.6	667.9
42.5°	735.2	594.1	446.5	494.2	483.9	480.2	568.9	620.3	608.1	610.9	640.8
45°	699.7	577.3	409.2	417.6	455.0	452.1	534.3	583.8	575.4	582.9	613.7
47.5°	664.2	543.7	397.0	346.6	424.1	423.2	496.0	548.4	543.7	551.2	583.8
50°	615.6	506.3	396.1	297.0	389.6	393.3	450.3	513.8	513.8	520.3	554.9
52.5°	553.0	460.6	359.7	269.0	349.4	360.6	410.1	483.9	485.8	492.3	523.1
55°	496.0	412.9	333.5	247.5	301.7	326.0	370.9	453.1	456.8	463.4	491.4
57.5°	443.7	343.8	327.8	222.3	257.8	281.1	336.3	423.2	425.1	430.7	457.8
60°	387.7	248.4	300.7	195.2	219.5	237.2	304.5	387.7	394.2	398.0	421.3
62.5°	324.1	180.3	272.7	176.5	200.8	204.5	278.3	354.1	362.5	365.3	379.3
65°	230.7	151.3	231.6	160.6	181.2	182.1	250.3	319.4	326.9	331.6	341.9
67.5°	156.0	123.3	176.5	145.7	166.3	167.2	223.2	279.3	289.5	293.3	299.8
70°	108.3	82.2	130.8	129.8	149.4	151.3	194.3	242.8	252.2	255.0	258.7
72.5°	79.4	66.3	108.3	116.8	131.7	133.6	164.4	201.7	211.1	213.9	215.8
75°	60.7	70.0	87.8	101.8	112.1	113.0	134.5	164.4	170.9	172.8	173.7
77.5°	48.6	65.4	64.4	82.2	91.5	89.7	105.5	127.0	132.6	132.6	132.6
80°	36.4	51.4	48.6	58.8	67.2	65.4	75.7	90.6	92.5	94.3	93.4
82.5°	27.1	32.7	32.7	37.4	44.8	43.0	50.4	58.8	58.8	58.8	60.7
85°	16.8	18.7	14.9	19.6	25.2	24.3	28.0	31.8	32.7	32.7	30.8
87.5°	10.3	8.4	4.7	7.5	11.2	11.2	13.1	14.0	13.1	13.1	13.1
90°	12.6	8.7	4.9	8.7	12.6	13.5	21.3	31.6	36.7	32.6	24.5
92.5°	85.1	52.2	19.3	52.2	85.1	93.3	131.2	181.8	207.0	181.4	130.3
95°	166.8	106.6	46.4	106.6	166.8	181.8	322.9	510.9	605.0	539.9	409.7
97.5°	186.4	133.3	80.2	133.3	186.4	199.7	434.9	748.4	905.2	864.0	781.8
100°	202.7	154.6	106.4	154.6	202.7	214.7	475.7	823.6	997.6	1000.6	1006.7
102.5°	218.5	173.5	128.6	173.5	218.5	229.7	494.4	847.3	1023.8	1076.2	1181.1
105°	242.5	204.5	166.3	204.5	242.5	252.0	508.3	850.0	1020.9	1138.5	1373.5
107.5°	276.0	240.5	205.0	240.5	276.0	284.9	510.9	812.2	962.9	1126.9	1454.8
110°	295.1	263.2	231.2	263.2	295.1	303.2	507.0	778.7	914.5	1097.8	1464.5



TEST NUMBER: P935586

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	317.7	287.3	256.8	287.3	317.7	325.4	507.1	749.3	870.5	1058.1	1433.4
115°	351.8	323.6	295.4	323.6	351.8	358.8	511.8	715.7	817.7	998.4	1360.0
117.5°	384.9	359.3	333.7	359.3	384.9	391.3	521.4	694.8	781.5	944.6	1270.8
120°	404.1	380.0	355.9	380.0	404.1	410.1	529.1	687.7	767.0	916.1	1214.1
122.5°	426.3	402.0	377.7	402.0	426.3	432.3	540.2	684.0	755.9	890.1	1158.5
125°	455.3	433.2	411.1	433.2	455.3	460.8	555.2	680.9	743.7	857.8	1085.8
127.5°	482.8	460.5	438.1	460.5	482.8	488.4	570.1	679.1	733.6	831.4	1027.3
130°	500.8	476.7	452.6	476.7	500.8	506.8	581.1	680.2	729.7	816.9	991.2
132.5°	515.8	491.8	467.7	491.8	515.8	521.8	590.0	680.9	726.4	804.4	960.4
135°	533.7	511.8	489.9	511.8	533.7	539.2	599.6	680.2	720.6	786.0	916.6
137.5°	556.0	534.2	512.6	534.2	556.0	561.4	614.1	684.4	719.6	774.8	885.2
140°	571.4	551.4	531.4	551.4	571.4	576.5	623.1	685.2	716.2	763.9	859.4
142.5°	582.9	564.4	545.9	564.4	582.9	587.6	630.4	687.6	716.2	758.1	841.9
145°	600.5	584.3	568.2	584.3	600.5	604.5	640.1	687.6	711.3	745.6	814.2
147.5°	621.9	606.2	590.5	606.2	621.9	625.8	654.3	692.3	711.3	738.3	792.3
150°	633.3	619.1	605.0	619.1	633.3	636.9	661.7	694.8	711.3	734.1	779.7
152.5°	641.5	630.7	620.0	630.7	641.5	644.2	666.6	696.4	711.3	730.8	769.7
155°	658.1	650.2	642.2	650.2	658.1	660.1	677.2	699.9	711.3	726.8	757.8
157.5°	674.1	666.4	658.7	666.4	674.1	676.0	687.8	703.5	711.3	723.4	747.5
160°	681.8	675.7	669.8	675.7	681.8	683.3	692.7	705.1	711.3	721.6	742.2
162.5°	689.9	685.4	680.9	685.4	689.9	691.1	697.8	706.9	711.3	720.0	737.5
165°	701.2	697.0	692.9	697.0	701.2	702.2	705.3	709.3	711.3	717.6	730.0
167.5°	708.0	706.0	704.1	706.0	708.0	708.4	711.1	714.5	716.2	720.3	728.4
170°	715.3	713.3	711.3	713.3	715.3	715.7	715.9	716.1	716.2	720.3	728.4
172.5°	716.1	715.6	715.3	715.6	716.1	716.2	716.2	716.2	716.2	719.4	725.8
175°	720.6	720.6	720.6	720.6	720.6	720.6	719.1	717.1	716.2	718.2	722.3
177.5°	720.6	720.6	720.6	720.6	720.6	720.6	719.5	717.9	717.1	718.7	722.0
180°	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6



TEST NUMBER: P935586

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3
2.5°	952.8	950.0	953.7	943.4	953.7	950.0	952.8	959.3	953.7	957.4	961.2
5°	836.0	831.4	816.4	804.3	816.4	831.4	836.0	855.6	865.0	881.8	904.2
7.5°	747.3	743.6	739.8	732.3	739.8	743.6	747.3	752.9	762.2	777.2	794.0
10°	727.7	728.6	734.2	733.3	734.2	728.6	727.7	725.8	723.0	725.8	736.1
12.5°	778.1	786.5	817.3	815.5	817.3	786.5	778.1	740.8	715.5	710.9	712.7
15°	836.0	838.8	845.4	846.3	845.4	838.8	836.0	821.1	745.4	712.7	702.5
17.5°	841.6	842.6	847.2	847.2	847.2	842.6	841.6	835.1	809.9	766.0	708.1
20°	837.0	838.8	848.2	850.0	848.2	838.8	837.0	828.6	814.5	798.7	754.8
22.5°	835.1	838.8	846.3	845.4	846.3	838.8	835.1	822.0	809.9	798.7	780.9
25°	825.7	825.7	826.7	827.6	826.7	825.7	825.7	815.5	791.2	788.4	778.1
27.5°	806.1	808.0	813.6	812.7	813.6	808.0	806.1	802.4	776.2	773.4	766.0
30°	788.4	786.5	781.9	778.1	781.9	786.5	788.4	782.8	756.6	749.2	751.0
32.5°	758.5	753.8	749.2	746.4	749.2	753.8	758.5	756.6	737.0	726.7	728.6
35°	723.0	723.9	723.0	720.2	723.0	723.9	723.0	724.9	712.7	703.4	702.5
37.5°	697.8	699.7	698.7	695.0	698.7	699.7	697.8	695.9	679.1	676.3	678.2
40°	671.6	672.6	671.6	668.8	671.6	672.6	671.6	667.9	644.6	645.5	652.0
42.5°	646.4	645.5	642.7	640.8	642.7	645.5	646.4	640.8	610.9	608.1	620.3
45°	617.5	618.4	612.8	610.0	612.8	618.4	617.5	613.7	582.9	575.4	583.8
47.5°	588.5	588.5	583.8	581.0	583.8	588.5	588.5	583.8	551.2	543.7	548.4
50°	557.7	556.8	550.2	549.3	550.2	556.8	557.7	554.9	520.3	513.8	513.8
52.5°	522.2	522.2	523.1	525.0	523.1	522.2	522.2	523.1	492.3	485.8	483.9
55°	491.4	492.3	498.8	500.7	498.8	492.3	491.4	491.4	463.4	456.8	453.1
57.5°	459.6	459.6	464.3	464.3	464.3	459.6	459.6	457.8	430.7	425.1	423.2
60°	423.2	425.1	428.8	427.9	428.8	425.1	423.2	421.3	398.0	394.2	387.7
62.5°	384.9	386.8	387.7	385.8	387.7	386.8	384.9	379.3	365.3	362.5	354.1
65°	344.7	346.6	347.5	345.7	347.5	346.6	344.7	341.9	331.6	326.9	319.4
67.5°	303.6	302.6	301.7	305.4	301.7	302.6	303.6	299.8	293.3	289.5	279.3
70°	261.5	261.5	260.6	262.5	260.6	261.5	261.5	258.7	255.0	252.2	242.8
72.5°	216.7	215.8	219.5	216.7	219.5	215.8	216.7	215.8	213.9	211.1	201.7
75°	172.8	174.7	172.8	175.6	172.8	174.7	172.8	173.7	172.8	170.9	164.4
77.5°	131.7	133.6	131.7	131.7	131.7	133.6	131.7	132.6	132.6	132.6	127.0
80°	93.4	92.5	92.5	91.5	92.5	92.5	93.4	93.4	94.3	92.5	90.6
82.5°	59.8	58.8	58.8	60.7	58.8	58.8	59.8	60.7	58.8	58.8	58.8
85°	32.7	33.6	31.8	31.8	31.8	33.6	32.7	30.8	32.7	32.7	31.8
87.5°	12.1	11.2	11.2	11.2	11.2	11.2	12.1	13.1	13.1	13.1	14.0
90°	18.4	18.4	18.4	18.4	18.4	18.4	18.4	24.5	32.6	36.7	31.6
92.5°	91.9	88.3	73.6	59.0	73.6	88.3	91.9	130.3	181.4	207.0	181.8
95°	312.0	300.8	256.6	212.3	256.6	300.8	312.0	409.7	539.9	605.0	510.9
97.5°	720.0	699.0	614.8	530.5	614.8	699.0	720.0	781.8	864.0	905.2	748.4
100°	1011.1	986.0	885.7	785.3	885.7	986.0	1011.1	1006.7	1000.6	997.6	823.6
102.5°	1259.8	1238.3	1152.3	1066.3	1152.3	1238.3	1259.8	1181.1	1076.2	1023.8	847.3
105°	1549.9	1538.3	1492.2	1445.9	1492.2	1538.3	1549.9	1373.5	1138.5	1020.9	850.0
107.5°	1700.7	1703.5	1714.7	1725.9	1714.7	1703.5	1700.7	1454.8	1126.9	962.9	812.2
110°	1739.5	1751.5	1799.6	1847.7	1799.6	1751.5	1739.5	1464.5	1097.8	914.5	778.7



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1714.8	1733.3	1807.2	1881.2	1807.2	1733.3	1714.8	1433.4	1058.1	870.5	749.3
115°	1631.1	1656.7	1759.3	1861.8	1759.3	1656.7	1631.1	1360.0	998.4	817.7	715.7
117.5°	1515.5	1543.9	1657.7	1771.3	1657.7	1543.9	1515.5	1270.8	944.6	781.5	694.8
120°	1437.7	1465.4	1575.8	1686.2	1575.8	1465.4	1437.7	1214.1	916.1	767.0	687.7
122.5°	1359.8	1387.1	1496.0	1605.0	1496.0	1387.1	1359.8	1158.5	890.1	755.9	684.0
125°	1256.8	1281.9	1382.2	1482.6	1382.2	1281.9	1256.8	1085.8	857.8	743.7	680.9
127.5°	1174.1	1195.3	1280.0	1364.7	1280.0	1195.3	1174.1	1027.3	831.4	733.6	679.1
130°	1121.9	1141.4	1219.7	1298.0	1219.7	1141.4	1121.9	991.2	816.9	729.7	680.2
132.5°	1077.5	1094.9	1165.0	1235.0	1165.0	1094.9	1077.5	960.4	804.4	726.4	680.9
135°	1014.6	1029.7	1090.1	1150.4	1090.1	1029.7	1014.6	916.6	786.0	720.6	680.2
137.5°	968.1	980.4	1029.9	1079.3	1029.9	980.4	968.1	885.2	774.8	719.6	684.4
140°	930.9	942.5	988.6	1034.9	988.6	942.5	930.9	859.4	763.9	716.2	685.2
142.5°	904.8	914.7	954.5	994.2	954.5	914.7	904.8	841.9	758.1	716.2	687.6
145°	865.6	873.2	903.3	933.3	903.3	873.2	865.6	814.2	745.6	711.3	687.6
147.5°	832.8	839.0	863.9	888.8	863.9	839.0	832.8	792.3	738.3	711.3	692.3
150°	813.9	818.9	839.2	859.4	839.2	818.9	813.9	779.7	734.1	711.3	694.8
152.5°	798.9	802.7	817.9	833.2	817.9	802.7	798.9	769.7	730.8	711.3	696.4
155°	781.0	783.5	793.6	803.7	793.6	783.5	781.0	757.8	726.8	711.3	699.9
157.5°	765.5	767.3	774.4	781.5	774.4	767.3	765.5	747.5	723.4	711.3	703.5
160°	757.8	758.8	762.9	767.0	762.9	758.8	757.8	742.2	721.6	711.3	705.1
162.5°	750.6	751.5	755.4	759.2	755.4	751.5	750.6	737.5	720.0	711.3	706.9
165°	739.4	740.4	744.5	748.6	744.5	740.4	739.4	730.0	717.6	711.3	709.3
167.5°	734.6	735.1	736.7	738.4	736.7	735.1	734.6	728.4	720.3	716.2	714.5
170°	734.6	734.6	734.6	734.6	734.6	734.6	734.6	728.4	720.3	716.2	716.1
172.5°	730.7	730.3	728.8	727.3	728.8	730.3	730.7	725.8	719.4	716.2	716.2
175°	725.3	725.3	725.3	725.3	725.3	725.3	725.3	722.3	718.2	716.2	717.1
177.5°	724.4	723.9	722.3	720.6	722.3	723.9	724.4	722.0	718.7	717.1	717.9
180°	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6	720.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	987.3	987.3	987.3	987.3	987.3
2.5°	975.2	979.9	982.7	986.4	995.7
5°	937.8	955.6	961.2	975.2	992.0
7.5°	855.6	909.8	924.8	958.4	984.5
10°	776.2	830.4	856.6	936.0	975.2
12.5°	736.1	767.8	785.6	896.7	962.1
15°	710.9	733.3	746.4	844.4	947.2
17.5°	691.3	707.1	716.5	793.1	926.6
20°	679.1	686.6	695.0	755.7	903.3
22.5°	670.7	666.0	672.6	729.5	871.5
25°	665.1	647.4	654.8	709.0	834.2
27.5°	669.8	630.5	633.3	690.3	794.9
30°	670.7	610.0	610.9	670.7	751.0
32.5°	664.2	588.5	589.4	646.4	701.5
35°	648.3	563.3	562.4	618.4	634.3
37.5°	626.8	536.2	536.2	587.6	560.5
40°	600.7	509.1	511.9	547.4	495.1
42.5°	568.9	480.2	483.9	494.2	446.5
45°	534.3	452.1	455.0	417.6	409.2
47.5°	496.0	423.2	424.1	346.6	397.0
50°	450.3	393.3	389.6	297.0	396.1
52.5°	410.1	360.6	349.4	269.0	359.7
55°	370.9	326.0	301.7	247.5	333.5
57.5°	336.3	281.1	257.8	222.3	327.8
60°	304.5	237.2	219.5	195.2	300.7
62.5°	278.3	204.5	200.8	176.5	272.7
65°	250.3	182.1	181.2	160.6	231.6
67.5°	223.2	167.2	166.3	145.7	176.5
70°	194.3	151.3	149.4	129.8	130.8
72.5°	164.4	133.6	131.7	116.8	108.3
75°	134.5	113.0	112.1	101.8	87.8
77.5°	105.5	89.7	91.5	82.2	64.4
80°	75.7	65.4	67.2	58.8	48.6
82.5°	50.4	43.0	44.8	37.4	32.7
85°	28.0	24.3	25.2	19.6	14.9
87.5°	13.1	11.2	11.2	7.5	4.7
90°	21.3	13.5	12.6	8.7	4.9
92.5°	131.2	93.3	85.1	52.2	19.3
95°	322.9	181.8	166.8	106.6	46.4
97.5°	434.9	199.7	186.4	133.3	80.2
100°	475.7	214.7	202.7	154.6	106.4
102.5°	494.4	229.7	218.5	173.5	128.6
105°	508.3	252.0	242.5	204.5	166.3
107.5°	510.9	284.9	276.0	240.5	205.0
110°	507.0	303.2	295.1	263.2	231.2



TEST NUMBER: P935586

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	507.1	325.4	317.7	287.3	256.8
115°	511.8	358.8	351.8	323.6	295.4
117.5°	521.4	391.3	384.9	359.3	333.7
120°	529.1	410.1	404.1	380.0	355.9
122.5°	540.2	432.3	426.3	402.0	377.7
125°	555.2	460.8	455.3	433.2	411.1
127.5°	570.1	488.4	482.8	460.5	438.1
130°	581.1	506.8	500.8	476.7	452.6
132.5°	590.0	521.8	515.8	491.8	467.7
135°	599.6	539.2	533.7	511.8	489.9
137.5°	614.1	561.4	556.0	534.2	512.6
140°	623.1	576.5	571.4	551.4	531.4
142.5°	630.4	587.6	582.9	564.4	545.9
145°	640.1	604.5	600.5	584.3	568.2
147.5°	654.3	625.8	621.9	606.2	590.5
150°	661.7	636.9	633.3	619.1	605.0
152.5°	666.6	644.2	641.5	630.7	620.0
155°	677.2	660.1	658.1	650.2	642.2
157.5°	687.8	676.0	674.1	666.4	658.7
160°	692.7	683.3	681.8	675.7	669.8
162.5°	697.8	691.1	689.9	685.4	680.9
165°	705.3	702.2	701.2	697.0	692.9
167.5°	711.1	708.4	708.0	706.0	704.1
170°	715.9	715.7	715.3	713.3	711.3
172.5°	716.2	716.2	716.1	715.6	715.3
175°	719.1	720.6	720.6	720.6	720.6
177.5°	719.5	720.6	720.6	720.6	720.6
180°	720.6	720.6	720.6	720.6	720.6



TEST NUMBER: P935586
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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	10.97	11.71	12.04	12.79	14.25	13.77	14.51	14.84	15.58	17.05
	3H	11.44	12.10	12.52	13.18	14.67	15.09	15.76	16.17	16.84	18.32
	4H	11.62	12.25	12.71	13.34	14.83	15.52	16.16	16.62	17.24	18.73
	6H	11.73	12.32	12.84	13.40	14.90	15.79	16.38	16.90	17.46	18.97
	8H	11.73	12.29	12.84	13.39	14.88	15.86	16.41	16.97	17.52	19.01
	12H	11.70	12.22	12.81	13.32	14.84	15.89	16.42	17.00	17.51	19.03
4H	2H	11.98	12.61	13.08	13.69	15.18	14.16	14.79	15.26	15.88	17.37
	3H	12.99	13.52	14.10	14.63	16.13	15.65	16.17	16.75	17.28	18.79
	4H	13.26	13.75	14.38	14.85	16.37	16.16	16.65	17.27	17.75	19.27
	6H	13.38	13.80	14.50	14.92	16.44	16.51	16.93	17.63	18.05	19.57
	8H	13.39	13.77	14.51	14.89	16.42	16.61	17.00	17.73	18.12	19.65
	12H	13.35	13.70	14.48	14.83	16.36	16.66	17.01	17.79	18.14	19.67
8H	4H	13.70	14.09	14.82	15.21	16.74	16.28	16.67	17.40	17.78	19.31
	6H	13.96	14.28	15.10	15.44	16.97	16.70	17.02	17.84	18.18	19.71
	8H	14.00	14.28	15.15	15.42	16.97	16.85	17.13	17.99	18.27	19.81
	12H	13.98	14.23	15.13	15.36	16.94	16.94	17.18	18.09	18.32	19.90
12H	4H	13.70	14.05	14.84	15.18	16.72	16.24	16.59	17.37	17.72	19.25
	6H	14.02	14.30	15.16	15.44	16.98	16.70	16.98	17.84	18.12	19.66
	8H	14.08	14.32	15.23	15.46	17.04	16.85	17.09	18.00	18.23	19.81