

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: P935535

Luminaire Tested: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935535
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-4-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

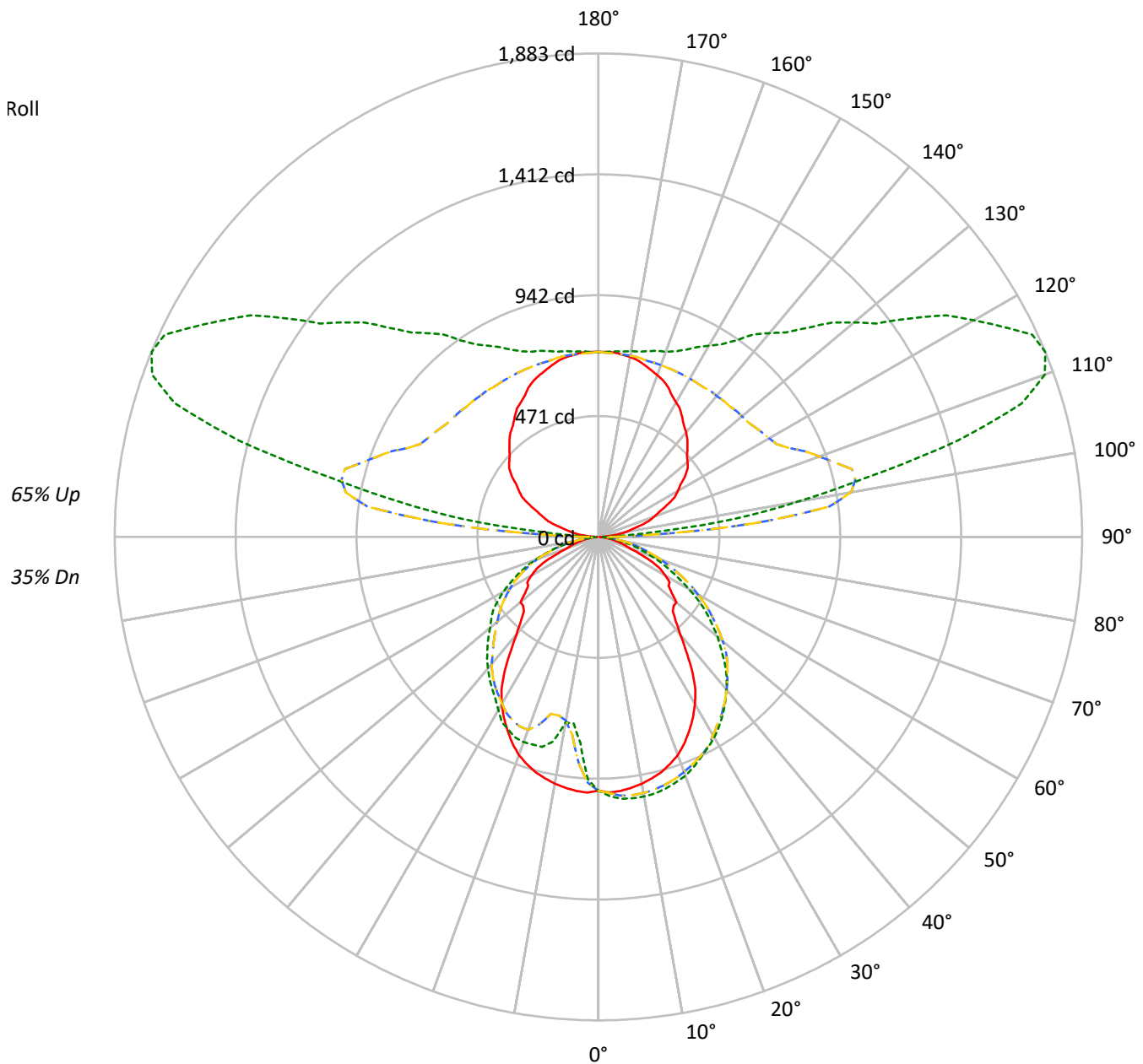
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7239.3 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 55.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-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	
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°	9169	9169	9169	9169
5°	9227	9256	9227	7278
10°	9155	9118	9155	6518
15°	9045	8920	9045	7448
20°	8846	8685	8846	7464
25°	8449	8344	8449	7305
30°	7939	8061	7939	6958
35°	7067	7702	7067	6577
40°	5879	7281	5879	6288
45°	5243	6787	5243	5957
50°	5557	6198	5557	5624
55°	5214	5563	5214	5432
60°	5354	4725	5354	4975
65°	4831	3905	4831	4366
70°	3323	3112	3323	3660
75°	2882	2300	2882	2754
80°	2275	1521	2275	1656
85°	1242	806	1242	685

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8050 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.2	1.2
10°-20°	253.2	3.5
20°-30°	391.5	5.4
30°-40°	467.3	6.5
40°-50°	470.1	6.5
50°-60°	409.0	5.7
60°-70°	290.0	4.0
70°-80°	153.4	2.1
80°-90°	41.0	0.6
90°-100°	351.5	4.9
100°-110°	924.1	12.8
110°-120°	958.2	13.2
120°-130°	768.6	10.6
130°-140°	603.1	8.3
140°-150°	462.9	6.4
150°-160°	333.3	4.6
160°-170°	204.0	2.8
170°-180°	68.9	1.0
0°-30°	733.9	10.1
0°-40°	1201.2	16.6
0°-60°	2080.4	28.7
0°-90°	2564.8	35.4
90°-120°	2233.8	30.9
90°-150°	4068.3	56.2
90°-180°	4675.0	64.6
0°-180°	7239.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	988	988	988	988	988	
5°	993	1024	993	805	993	94
15°	948	1014	948	847	948	267
25°	835	946	835	828	835	383
35°	635	844	635	721	635	393
45°	410	696	410	610	410	328
55°	334	513	334	501	334	307
65°	232	309	232	346	232	222
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	1447	166	1447	166	176
115°	296	1863	296	1863	296	292
125°	411	1484	411	1484	411	365
135°	490	1151	490	1151	490	379
145°	569	934	569	934	569	356
155°	643	804	643	804	643	295
165°	694	749	694	749	694	196
175°	721	726	721	726	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°	988.1	988.1	988.1	988.1	988.1	988.1	988.1	988.1	988.1	988.1	988.1
2.5°	996.5	996.5	1002.2	1004.1	1004.1	1001.3	998.5	1001.3	1009.7	1012.5	1011.5
5°	992.8	1000.3	1010.6	1012.5	1014.3	1013.4	1011.5	1013.4	1022.8	1024.6	1025.6
7.5°	985.3	999.4	1012.5	1015.3	1018.1	1015.3	1014.3	1016.2	1025.6	1027.4	1027.4
10°	975.9	995.6	1010.6	1012.5	1015.3	1012.5	1012.5	1016.2	1025.6	1027.4	1028.4
12.5°	962.8	989.9	1004.1	1005.9	1009.7	1008.7	1007.8	1011.5	1020.9	1022.8	1022.8
15°	947.9	979.7	992.8	994.6	1001.3	999.4	999.4	1003.1	1013.4	1016.2	1015.3
17.5°	927.3	966.6	981.5	984.3	989.0	988.1	989.0	992.8	1002.2	1004.1	1005.0
20°	904.0	948.8	966.6	969.4	974.1	974.1	974.1	978.7	988.1	991.8	991.8
22.5°	872.2	930.1	948.8	950.7	956.3	956.3	958.2	964.7	973.1	974.1	974.1
25°	834.8	909.6	925.5	931.1	936.7	939.5	942.3	946.0	948.8	947.9	948.8
27.5°	795.5	883.4	904.0	907.7	915.2	918.0	921.7	922.6	923.6	926.4	924.5
30°	751.6	846.9	877.8	881.5	893.7	895.5	891.8	893.7	898.3	900.2	902.1
32.5°	702.1	792.7	850.7	859.1	870.3	864.7	863.8	866.6	874.0	874.0	875.9
35°	634.8	750.7	825.4	832.9	841.3	834.8	838.5	839.5	844.1	846.9	846.0
37.5°	560.9	714.2	799.3	804.9	811.4	803.0	808.6	811.4	815.2	813.3	813.3
40°	495.5	657.2	768.4	772.2	777.8	771.2	776.8	778.7	780.6	778.7	777.8
42.5°	446.9	594.6	735.7	740.4	736.6	741.3	743.2	746.9	744.1	740.4	740.4
45°	409.5	577.7	700.2	705.8	700.2	707.7	710.5	710.5	702.1	700.2	699.3
47.5°	397.3	544.1	664.7	664.7	661.9	671.2	675.9	669.3	660.9	658.1	658.1
50°	396.4	506.7	616.1	612.3	625.4	636.6	632.0	625.4	618.9	608.6	608.6
52.5°	360.0	460.9	553.4	567.5	588.0	594.6	587.1	580.5	569.3	564.7	560.9
55°	333.8	413.2	496.4	524.5	546.0	554.4	540.4	533.8	517.0	514.2	512.3
57.5°	328.1	344.1	444.1	479.6	505.8	504.8	496.4	484.3	470.3	467.4	466.5
60°	301.0	248.6	388.0	430.1	457.2	454.4	446.9	435.7	422.6	420.7	418.8
62.5°	272.9	180.4	324.3	372.1	410.4	409.5	403.0	386.1	376.8	372.1	368.4
65°	231.8	151.4	230.9	309.4	364.6	366.5	352.5	340.3	330.0	324.3	323.4
67.5°	176.7	123.4	156.1	258.0	320.6	318.7	301.0	295.4	282.3	279.5	273.9
70°	130.9	82.3	108.4	209.4	277.6	272.9	258.9	252.4	240.2	233.7	229.9
72.5°	108.4	66.4	79.5	162.6	233.7	228.1	215.9	208.4	198.2	192.5	188.8
75°	87.9	70.1	60.8	120.6	189.7	186.0	174.8	167.3	158.9	151.4	152.4
77.5°	64.5	65.4	48.6	88.8	150.5	144.9	138.3	129.0	125.3	117.8	117.8
80°	48.6	51.4	36.5	60.8	108.4	108.4	102.8	96.3	89.7	86.0	86.0
82.5°	32.7	32.7	27.1	38.3	73.8	71.0	67.3	65.4	61.7	59.8	59.8
85°	15.0	18.7	16.8	23.4	40.2	42.1	42.1	40.2	39.3	37.4	38.3
87.5°	4.7	8.4	10.3	13.1	20.6	21.5	22.4	22.4	22.4	23.4	23.4
90°	4.9	8.7	12.6	13.6	21.3	31.6	36.7	32.6	24.5	18.4	18.4
92.5°	19.3	52.3	85.2	93.4	131.3	181.9	207.1	181.5	130.4	92.0	88.3
95°	46.5	106.6	166.9	182.0	323.1	511.3	605.4	540.3	410.0	312.2	301.1
97.5°	80.3	133.4	186.6	199.8	435.2	749.0	905.9	864.7	782.3	720.6	699.5
100°	106.5	154.7	202.8	214.9	476.0	824.2	998.4	1001.4	1007.4	1011.9	986.8
102.5°	128.7	173.7	218.6	229.8	494.7	848.0	1024.5	1077.1	1182.0	1260.7	1239.2
105°	166.5	204.6	242.6	252.2	508.7	850.7	1021.6	1139.3	1374.6	1551.1	1539.5
107.5°	205.2	240.7	276.2	285.1	511.3	812.8	963.6	1127.7	1455.9	1702.0	1704.8
110°	231.3	263.4	295.4	303.4	507.4	779.3	915.2	1098.7	1465.6	1740.8	1752.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	257.0	287.5	318.0	325.7	507.5	749.9	871.1	1058.9	1434.5	1716.1	1734.6
115°	295.6	323.9	352.1	359.1	512.2	716.3	818.3	999.2	1361.0	1632.4	1658.0
117.5°	334.0	359.6	385.2	391.5	521.8	695.3	782.1	945.3	1271.8	1516.7	1545.1
120°	356.2	380.3	404.4	410.4	529.5	688.2	767.6	916.8	1215.0	1438.8	1466.5
122.5°	378.0	402.3	426.6	432.7	540.6	684.5	756.5	890.8	1159.4	1360.8	1388.1
125°	411.4	433.5	455.7	461.2	555.6	681.4	744.3	858.4	1086.6	1257.7	1282.9
127.5°	438.5	460.8	483.1	488.8	570.5	679.6	734.1	832.1	1028.1	1175.0	1196.2
130°	453.0	477.1	501.2	507.2	581.6	680.7	730.3	817.5	991.9	1122.8	1142.3
132.5°	468.0	492.1	516.2	522.2	590.5	681.4	726.9	805.0	961.2	1078.3	1095.8
135°	490.3	512.2	534.1	539.6	600.1	680.7	721.1	786.6	917.3	1015.4	1030.5
137.5°	513.0	534.7	556.4	561.9	614.6	685.0	720.1	775.3	885.9	968.8	981.2
140°	531.8	551.9	571.9	576.9	623.5	685.7	716.7	764.5	860.0	931.6	943.2
142.5°	546.3	564.8	583.4	588.0	630.9	688.1	716.7	758.7	842.5	905.4	915.4
145°	568.7	584.8	600.9	604.9	640.6	688.1	711.9	746.2	814.8	866.3	873.9
147.5°	590.9	606.6	622.3	626.3	654.8	692.8	711.9	738.9	792.9	833.4	839.6
150°	605.4	619.6	633.8	637.4	662.2	695.3	711.9	734.7	780.3	814.5	819.6
152.5°	620.5	631.2	642.0	644.7	667.1	696.9	711.9	731.3	770.3	799.5	803.3
155°	642.7	650.6	658.6	660.6	677.7	700.5	711.9	727.4	758.3	781.6	784.1
157.5°	659.2	666.9	674.6	676.5	688.3	704.0	711.9	723.9	748.0	766.1	767.9
160°	670.3	676.3	682.3	683.8	693.2	705.6	711.9	722.2	742.8	758.3	759.4
162.5°	681.4	685.9	690.5	691.6	698.3	707.4	711.9	720.6	738.0	751.1	752.1
165°	693.5	697.6	701.7	702.7	705.8	709.8	711.9	718.1	730.6	739.9	740.9
167.5°	704.7	706.5	708.5	709.0	711.6	715.1	716.7	720.8	729.0	735.1	735.6
170°	711.9	713.8	715.8	716.3	716.5	716.6	716.7	720.8	729.0	735.1	735.1
172.5°	715.8	716.2	716.6	716.7	716.7	716.7	716.7	719.9	726.4	731.2	730.8
175°	721.1	721.1	721.1	721.1	719.6	717.7	716.7	718.8	722.8	725.9	725.9
177.5°	721.1	721.1	721.1	721.1	720.0	718.4	717.7	719.3	722.5	725.0	724.5
180°	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	988.1	988.1	988.1	988.1	988.1	988.1	988.1	988.1	988.1	988.1	988.1
2.5°	1013.4	1010.6	1013.4	1011.5	1012.5	1009.7	1001.3	998.5	1001.3	1004.1	1004.1
5°	1025.6	1023.7	1025.6	1025.6	1024.6	1022.8	1013.4	1011.5	1013.4	1014.3	1012.5
7.5°	1029.3	1026.5	1029.3	1027.4	1027.4	1025.6	1016.2	1014.3	1015.3	1018.1	1015.3
10°	1029.3	1026.5	1029.3	1028.4	1027.4	1025.6	1016.2	1012.5	1012.5	1015.3	1012.5
12.5°	1024.6	1022.8	1024.6	1022.8	1022.8	1020.9	1011.5	1007.8	1008.7	1009.7	1005.9
15°	1017.1	1014.3	1017.1	1015.3	1016.2	1013.4	1003.1	999.4	999.4	1001.3	994.6
17.5°	1005.9	1002.2	1005.9	1005.0	1004.1	1002.2	992.8	989.0	988.1	989.0	984.3
20°	992.8	989.9	992.8	991.8	991.8	988.1	978.7	974.1	974.1	974.1	969.4
22.5°	972.2	969.4	972.2	974.1	974.1	973.1	964.7	958.2	956.3	956.3	950.7
25°	948.8	946.0	948.8	948.8	947.9	948.8	946.0	942.3	939.5	936.7	931.1
27.5°	926.4	924.5	926.4	924.5	926.4	923.6	922.6	921.7	918.0	915.2	907.7
30°	904.0	902.1	904.0	902.1	900.2	898.3	893.7	891.8	895.5	893.7	881.5
32.5°	875.9	874.0	875.9	875.9	874.0	874.0	866.6	863.8	864.7	870.3	859.1
35°	846.9	844.1	846.9	846.0	846.9	844.1	839.5	838.5	834.8	841.3	832.9
37.5°	813.3	810.5	813.3	813.3	813.3	815.2	811.4	808.6	803.0	811.4	804.9
40°	778.7	775.0	778.7	777.8	778.7	780.6	778.7	776.8	771.2	777.8	772.2
42.5°	739.4	738.5	739.4	740.4	740.4	744.1	746.9	743.2	741.3	736.6	740.4
45°	697.4	695.5	697.4	699.3	700.2	702.1	710.5	710.5	707.7	700.2	705.8
47.5°	652.5	647.8	652.5	658.1	658.1	660.9	669.3	675.9	671.2	661.9	664.7
50°	604.8	605.8	604.8	608.6	608.6	618.9	625.4	632.0	636.6	625.4	612.3
52.5°	558.1	557.2	558.1	560.9	564.7	569.3	580.5	587.1	594.6	588.0	567.5
55°	511.4	513.2	511.4	512.3	514.2	517.0	533.8	540.4	554.4	546.0	524.5
57.5°	464.6	461.8	464.6	466.5	467.4	470.3	484.3	496.4	504.8	505.8	479.6
60°	410.4	406.7	410.4	418.8	420.7	422.6	435.7	446.9	454.4	457.2	430.1
62.5°	362.8	356.2	362.8	368.4	372.1	376.8	386.1	403.0	409.5	410.4	372.1
65°	312.2	309.4	312.2	323.4	324.3	330.0	340.3	352.5	366.5	364.6	309.4
67.5°	266.4	266.4	266.4	273.9	279.5	282.3	295.4	301.0	318.7	320.6	258.0
70°	224.3	223.4	224.3	229.9	233.7	240.2	252.4	258.9	272.9	277.6	209.4
72.5°	184.1	183.2	184.1	188.8	192.5	198.2	208.4	215.9	228.1	233.7	162.6
75°	148.6	146.7	148.6	152.4	151.4	158.9	167.3	174.8	186.0	189.7	120.6
77.5°	114.0	114.0	114.0	117.8	117.8	125.3	129.0	138.3	144.9	150.5	88.8
80°	85.1	84.1	85.1	86.0	86.0	89.7	96.3	102.8	108.4	108.4	60.8
82.5°	59.8	58.0	59.8	59.8	59.8	61.7	65.4	67.3	71.0	73.8	38.3
85°	37.4	37.4	37.4	38.3	37.4	39.3	40.2	42.1	42.1	40.2	23.4
87.5°	24.3	23.4	24.3	23.4	23.4	22.4	22.4	22.4	21.5	20.6	13.1
90°	18.4	18.4	18.4	18.4	18.4	24.5	32.6	36.7	31.6	21.3	13.6
92.5°	73.7	59.1	73.7	88.3	92.0	130.4	181.5	207.1	181.9	131.3	93.4
95°	256.8	212.5	256.8	301.1	312.2	410.0	540.3	605.4	511.3	323.1	182.0
97.5°	615.2	530.9	615.2	699.5	720.6	782.3	864.7	905.9	749.0	435.2	199.8
100°	886.4	785.9	886.4	986.8	1011.9	1007.4	1001.4	998.4	824.2	476.0	214.9
102.5°	1153.1	1067.2	1153.1	1239.2	1260.7	1182.0	1077.1	1024.5	848.0	494.7	229.8
105°	1493.3	1447.0	1493.3	1539.5	1551.1	1374.6	1139.3	1021.6	850.7	508.7	252.2
107.5°	1716.0	1727.2	1716.0	1704.8	1702.0	1455.9	1127.7	963.6	812.8	511.3	285.1
110°	1801.0	1849.1	1801.0	1752.9	1740.8	1465.6	1098.7	915.2	779.3	507.4	303.4



TEST NUMBER: P935535

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1808.6	1882.6	1808.6	1734.6	1716.1	1434.5	1058.9	871.1	749.9	507.5	325.7
115°	1760.6	1863.2	1760.6	1658.0	1632.4	1361.0	999.2	818.3	716.3	512.2	359.1
117.5°	1658.9	1772.7	1658.9	1545.1	1516.7	1271.8	945.3	782.1	695.3	521.8	391.5
120°	1576.9	1687.5	1576.9	1466.5	1438.8	1215.0	916.8	767.6	688.2	529.5	410.4
122.5°	1497.1	1606.2	1497.1	1388.1	1360.8	1159.4	890.8	756.5	684.5	540.6	432.7
125°	1383.3	1483.8	1383.3	1282.9	1257.7	1086.6	858.4	744.3	681.4	555.6	461.2
127.5°	1280.9	1365.7	1280.9	1196.2	1175.0	1028.1	832.1	734.1	679.6	570.5	488.8
130°	1220.6	1299.0	1220.6	1142.3	1122.8	991.9	817.5	730.3	680.7	581.6	507.2
132.5°	1165.9	1236.0	1165.9	1095.8	1078.3	961.2	805.0	726.9	681.4	590.5	522.2
135°	1090.9	1151.3	1090.9	1030.5	1015.4	917.3	786.6	721.1	680.7	600.1	539.6
137.5°	1030.7	1080.1	1030.7	981.2	968.8	885.9	775.3	720.1	685.0	614.6	561.9
140°	989.4	1035.7	989.4	943.2	931.6	860.0	764.5	716.7	685.7	623.5	576.9
142.5°	955.2	995.0	955.2	915.4	905.4	842.5	758.7	716.7	688.1	630.9	588.0
145°	904.0	934.1	904.0	873.9	866.3	814.8	746.2	711.9	688.1	640.6	604.9
147.5°	864.5	889.5	864.5	839.6	833.4	792.9	738.9	711.9	692.8	654.8	626.3
150°	839.8	860.0	839.8	819.6	814.5	780.3	734.7	711.9	695.3	662.2	637.4
152.5°	818.5	833.9	818.5	803.3	799.5	770.3	731.3	711.9	696.9	667.1	644.7
155°	794.2	804.3	794.2	784.1	781.6	758.3	727.4	711.9	700.5	677.7	660.6
157.5°	775.0	782.1	775.0	767.9	766.1	748.0	723.9	711.9	704.0	688.3	676.5
160°	763.5	767.6	763.5	759.4	758.3	742.8	722.2	711.9	705.6	693.2	683.8
162.5°	756.0	759.8	756.0	752.1	751.1	738.0	720.6	711.9	707.4	698.3	691.6
165°	745.1	749.2	745.1	740.9	739.9	730.6	718.1	711.9	709.8	705.8	702.7
167.5°	737.3	739.0	737.3	735.6	735.1	729.0	720.8	716.7	715.1	711.6	709.0
170°	735.1	735.1	735.1	735.1	735.1	729.0	720.8	716.7	716.6	716.5	716.3
172.5°	729.4	727.9	729.4	730.8	731.2	726.4	719.9	716.7	716.7	716.7	716.7
175°	725.9	725.9	725.9	725.9	725.9	722.8	718.8	716.7	717.7	719.6	721.1
177.5°	722.8	721.1	722.8	724.5	725.0	722.5	719.3	717.7	718.4	720.0	721.1
180°	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1



TEST NUMBER: P935535

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	988.1	988.1	988.1	988.1	988.1	988.1	988.1	988.1	988.1	988.1	988.1
2.5°	1002.2	996.5	996.5	987.1	983.4	980.6	975.9	961.9	958.2	954.4	960.0
5°	1010.6	1000.3	992.8	975.9	961.9	956.3	938.5	904.9	882.5	865.6	856.3
7.5°	1012.5	999.4	985.3	959.1	925.5	910.5	856.3	794.6	777.8	762.8	753.5
10°	1010.6	995.6	975.9	936.7	857.2	831.0	776.8	736.6	726.4	723.6	726.4
12.5°	1004.1	989.9	962.8	897.4	786.2	768.4	736.6	713.3	711.4	716.1	741.3
15°	992.8	979.7	947.9	845.1	746.9	733.8	711.4	703.0	713.3	746.0	821.7
17.5°	981.5	966.6	927.3	793.7	717.0	707.7	691.8	708.6	766.6	810.5	835.7
20°	966.6	948.8	904.0	756.3	695.5	687.1	679.6	755.3	799.3	815.2	829.2
22.5°	948.8	930.1	872.2	730.1	673.1	666.5	671.2	781.5	799.3	810.5	822.6
25°	925.5	909.6	834.8	709.5	655.3	647.8	665.6	778.7	789.0	791.8	816.1
27.5°	904.0	883.4	795.5	690.8	633.8	631.0	670.3	766.6	774.0	776.8	803.0
30°	877.8	846.9	751.6	671.2	611.4	610.5	671.2	751.6	749.7	757.2	783.4
32.5°	850.7	792.7	702.1	646.9	589.9	589.0	664.7	729.2	727.3	737.6	757.2
35°	825.4	750.7	634.8	618.9	562.8	563.7	648.8	703.0	703.9	713.3	725.4
37.5°	799.3	714.2	560.9	588.0	536.6	536.6	627.3	678.7	676.8	679.6	696.4
40°	768.4	657.2	495.5	547.8	512.3	509.5	601.1	652.5	646.0	645.0	668.4
42.5°	735.7	594.6	446.9	494.6	484.3	480.5	569.3	620.7	608.6	611.4	641.3
45°	700.2	577.7	409.5	417.9	455.3	452.5	534.7	584.3	575.9	583.4	614.2
47.5°	664.7	544.1	397.3	346.9	424.4	423.5	496.4	548.8	544.1	551.6	584.3
50°	616.1	506.7	396.4	297.2	389.9	393.6	450.6	514.2	514.2	520.7	555.3
52.5°	553.4	460.9	360.0	269.2	349.7	360.9	410.4	484.3	486.1	492.7	523.5
55°	496.4	413.2	333.8	247.7	301.9	326.2	371.2	453.4	457.2	463.7	491.7
57.5°	444.1	344.1	328.1	222.5	258.0	281.3	336.6	423.5	425.4	431.0	458.1
60°	388.0	248.6	301.0	195.4	219.7	237.4	304.7	388.0	394.5	398.3	421.6
62.5°	324.3	180.4	272.9	176.7	201.0	204.7	278.5	354.3	362.8	365.6	379.6
65°	230.9	151.4	231.8	160.8	181.3	182.3	250.5	319.7	327.1	331.8	342.2
67.5°	156.1	123.4	176.7	145.8	166.4	167.3	223.4	279.5	289.8	293.5	300.0
70°	108.4	82.3	130.9	129.9	149.6	151.4	194.4	243.0	252.4	255.2	258.9
72.5°	79.5	66.4	108.4	116.8	131.8	133.7	164.5	201.9	211.2	214.0	215.9
75°	60.8	70.1	87.9	101.9	112.2	113.1	134.6	164.5	171.1	172.9	173.9
77.5°	48.6	65.4	64.5	82.3	91.6	89.7	105.6	127.1	132.7	132.7	132.7
80°	36.5	51.4	48.6	58.9	67.3	65.4	75.7	90.7	92.5	94.4	93.5
82.5°	27.1	32.7	32.7	37.4	44.9	43.0	50.5	58.9	58.9	58.9	60.8
85°	16.8	18.7	15.0	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	13.6	21.3	31.6	36.7	32.6	24.5
92.5°	85.2	52.3	19.3	52.3	85.2	93.4	131.3	181.9	207.1	181.5	130.4
95°	166.9	106.6	46.5	106.6	166.9	182.0	323.1	511.3	605.4	540.3	410.0
97.5°	186.6	133.4	80.3	133.4	186.6	199.8	435.2	749.0	905.9	864.7	782.3
100°	202.8	154.7	106.5	154.7	202.8	214.9	476.0	824.2	998.4	1001.4	1007.4
102.5°	218.6	173.7	128.7	173.7	218.6	229.8	494.7	848.0	1024.5	1077.1	1182.0
105°	242.6	204.6	166.5	204.6	242.6	252.2	508.7	850.7	1021.6	1139.3	1374.6
107.5°	276.2	240.7	205.2	240.7	276.2	285.1	511.3	812.8	963.6	1127.7	1455.9
110°	295.4	263.4	231.3	263.4	295.4	303.4	507.4	779.3	915.2	1098.7	1465.6



TEST NUMBER: P935535

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	318.0	287.5	257.0	287.5	318.0	325.7	507.5	749.9	871.1	1058.9	1434.5
115°	352.1	323.9	295.6	323.9	352.1	359.1	512.2	716.3	818.3	999.2	1361.0
117.5°	385.2	359.6	334.0	359.6	385.2	391.5	521.8	695.3	782.1	945.3	1271.8
120°	404.4	380.3	356.2	380.3	404.4	410.4	529.5	688.2	767.6	916.8	1215.0
122.5°	426.6	402.3	378.0	402.3	426.6	432.7	540.6	684.5	756.5	890.8	1159.4
125°	455.7	433.5	411.4	433.5	455.7	461.2	555.6	681.4	744.3	858.4	1086.6
127.5°	483.1	460.8	438.5	460.8	483.1	488.8	570.5	679.6	734.1	832.1	1028.1
130°	501.2	477.1	453.0	477.1	501.2	507.2	581.6	680.7	730.3	817.5	991.9
132.5°	516.2	492.1	468.0	492.1	516.2	522.2	590.5	681.4	726.9	805.0	961.2
135°	534.1	512.2	490.3	512.2	534.1	539.6	600.1	680.7	721.1	786.6	917.3
137.5°	556.4	534.7	513.0	534.7	556.4	561.9	614.6	685.0	720.1	775.3	885.9
140°	571.9	551.9	531.8	551.9	571.9	576.9	623.5	685.7	716.7	764.5	860.0
142.5°	583.4	564.8	546.3	564.8	583.4	588.0	630.9	688.1	716.7	758.7	842.5
145°	600.9	584.8	568.7	584.8	600.9	604.9	640.6	688.1	711.9	746.2	814.8
147.5°	622.3	606.6	590.9	606.6	622.3	626.3	654.8	692.8	711.9	738.9	792.9
150°	633.8	619.6	605.4	619.6	633.8	637.4	662.2	695.3	711.9	734.7	780.3
152.5°	642.0	631.2	620.5	631.2	642.0	644.7	667.1	696.9	711.9	731.3	770.3
155°	658.6	650.6	642.7	650.6	658.6	660.6	677.7	700.5	711.9	727.4	758.3
157.5°	674.6	666.9	659.2	666.9	674.6	676.5	688.3	704.0	711.9	723.9	748.0
160°	682.3	676.3	670.3	676.3	682.3	683.8	693.2	705.6	711.9	722.2	742.8
162.5°	690.5	685.9	681.4	685.9	690.5	691.6	698.3	707.4	711.9	720.6	738.0
165°	701.7	697.6	693.5	697.6	701.7	702.7	705.8	709.8	711.9	718.1	730.6
167.5°	708.5	706.5	704.7	706.5	708.5	709.0	711.6	715.1	716.7	720.8	729.0
170°	715.8	713.8	711.9	713.8	715.8	716.3	716.5	716.6	716.7	720.8	729.0
172.5°	716.6	716.2	715.8	716.2	716.6	716.7	716.7	716.7	716.7	719.9	726.4
175°	721.1	721.1	721.1	721.1	721.1	721.1	719.6	717.7	716.7	718.8	722.8
177.5°	721.1	721.1	721.1	721.1	721.1	721.1	720.0	718.4	717.7	719.3	722.5
180°	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1



TEST NUMBER: P935535
 CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	988.1	988.1	988.1	988.1	988.1	988.1	988.1	988.1	988.1	988.1	988.1
2.5°	953.5	950.7	954.4	944.1	954.4	950.7	953.5	960.0	954.4	958.2	961.9
5°	836.7	832.0	817.0	804.9	817.0	832.0	836.7	856.3	865.6	882.5	904.9
7.5°	747.9	744.1	740.4	732.9	740.4	744.1	747.9	753.5	762.8	777.8	794.6
10°	728.2	729.2	734.8	733.8	734.8	729.2	728.2	726.4	723.6	726.4	736.6
12.5°	778.7	787.1	818.0	816.1	818.0	787.1	778.7	741.3	716.1	711.4	713.3
15°	836.7	839.5	846.0	846.9	846.0	839.5	836.7	821.7	746.0	713.3	703.0
17.5°	842.3	843.2	847.9	847.9	847.9	843.2	842.3	835.7	810.5	766.6	708.6
20°	837.6	839.5	848.8	850.7	848.8	839.5	837.6	829.2	815.2	799.3	755.3
22.5°	835.7	839.5	846.9	846.0	846.9	839.5	835.7	822.6	810.5	799.3	781.5
25°	826.4	826.4	827.3	828.2	827.3	826.4	826.4	816.1	791.8	789.0	778.7
27.5°	806.7	808.6	814.2	813.3	814.2	808.6	806.7	803.0	776.8	774.0	766.6
30°	789.0	787.1	782.4	778.7	782.4	787.1	789.0	783.4	757.2	749.7	751.6
32.5°	759.1	754.4	749.7	746.9	749.7	754.4	759.1	757.2	737.6	727.3	729.2
35°	723.6	724.5	723.6	720.8	723.6	724.5	723.6	725.4	713.3	703.9	703.0
37.5°	698.3	700.2	699.3	695.5	699.3	700.2	698.3	696.4	679.6	676.8	678.7
40°	672.1	673.1	672.1	669.3	672.1	673.1	672.1	668.4	645.0	646.0	652.5
42.5°	646.9	646.0	643.2	641.3	643.2	646.0	646.9	641.3	611.4	608.6	620.7
45°	617.9	618.9	613.3	610.5	613.3	618.9	617.9	614.2	583.4	575.9	584.3
47.5°	589.0	589.0	584.3	581.5	584.3	589.0	589.0	584.3	551.6	544.1	548.8
50°	558.1	557.2	550.6	549.7	550.6	557.2	558.1	555.3	520.7	514.2	514.2
52.5°	522.6	522.6	523.5	525.4	523.5	522.6	522.6	523.5	492.7	486.1	484.3
55°	491.7	492.7	499.2	501.1	499.2	492.7	491.7	491.7	463.7	457.2	453.4
57.5°	460.0	460.0	464.6	464.6	464.6	460.0	460.0	458.1	431.0	425.4	423.5
60°	423.5	425.4	429.1	428.2	429.1	425.4	423.5	421.6	398.3	394.5	388.0
62.5°	385.2	387.1	388.0	386.1	388.0	387.1	385.2	379.6	365.6	362.8	354.3
65°	345.0	346.9	347.8	345.9	347.8	346.9	345.0	342.2	331.8	327.1	319.7
67.5°	303.8	302.8	301.9	305.6	301.9	302.8	303.8	300.0	293.5	289.8	279.5
70°	261.7	261.7	260.8	262.7	260.8	261.7	261.7	258.9	255.2	252.4	243.0
72.5°	216.9	215.9	219.7	216.9	219.7	215.9	216.9	215.9	214.0	211.2	201.9
75°	172.9	174.8	172.9	175.7	172.9	174.8	172.9	173.9	172.9	171.1	164.5
77.5°	131.8	133.7	131.8	131.8	131.8	133.7	131.8	132.7	132.7	132.7	127.1
80°	93.5	92.5	92.5	91.6	92.5	92.5	93.5	93.5	94.4	92.5	90.7
82.5°	59.8	58.9	58.9	60.8	58.9	58.9	59.8	60.8	58.9	58.9	58.9
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°	12.2	11.2	11.2	11.2	11.2	11.2	12.2	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°	92.0	88.3	73.7	59.1	73.7	88.3	92.0	130.4	181.5	207.1	181.9
95°	312.2	301.1	256.8	212.5	256.8	301.1	312.2	410.0	540.3	605.4	511.3
97.5°	720.6	699.5	615.2	530.9	615.2	699.5	720.6	782.3	864.7	905.9	749.0
100°	1011.9	986.8	886.4	785.9	886.4	986.8	1011.9	1007.4	1001.4	998.4	824.2
102.5°	1260.7	1239.2	1153.1	1067.2	1153.1	1239.2	1260.7	1182.0	1077.1	1024.5	848.0
105°	1551.1	1539.5	1493.3	1447.0	1493.3	1539.5	1551.1	1374.6	1139.3	1021.6	850.7
107.5°	1702.0	1704.8	1716.0	1727.2	1716.0	1704.8	1702.0	1455.9	1127.7	963.6	812.8
110°	1740.8	1752.9	1801.0	1849.1	1801.0	1752.9	1740.8	1465.6	1098.7	915.2	779.3



TEST NUMBER: P935535

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1716.1	1734.6	1808.6	1882.6	1808.6	1734.6	1716.1	1434.5	1058.9	871.1	749.9
115°	1632.4	1658.0	1760.6	1863.2	1760.6	1658.0	1632.4	1361.0	999.2	818.3	716.3
117.5°	1516.7	1545.1	1658.9	1772.7	1658.9	1545.1	1516.7	1271.8	945.3	782.1	695.3
120°	1438.8	1466.5	1576.9	1687.5	1576.9	1466.5	1438.8	1215.0	916.8	767.6	688.2
122.5°	1360.8	1388.1	1497.1	1606.2	1497.1	1388.1	1360.8	1159.4	890.8	756.5	684.5
125°	1257.7	1282.9	1383.3	1483.8	1383.3	1282.9	1257.7	1086.6	858.4	744.3	681.4
127.5°	1175.0	1196.2	1280.9	1365.7	1280.9	1196.2	1175.0	1028.1	832.1	734.1	679.6
130°	1122.8	1142.3	1220.6	1299.0	1220.6	1142.3	1122.8	991.9	817.5	730.3	680.7
132.5°	1078.3	1095.8	1165.9	1236.0	1165.9	1095.8	1078.3	961.2	805.0	726.9	681.4
135°	1015.4	1030.5	1090.9	1151.3	1090.9	1030.5	1015.4	917.3	786.6	721.1	680.7
137.5°	968.8	981.2	1030.7	1080.1	1030.7	981.2	968.8	885.9	775.3	720.1	685.0
140°	931.6	943.2	989.4	1035.7	989.4	943.2	931.6	860.0	764.5	716.7	685.7
142.5°	905.4	915.4	955.2	995.0	955.2	915.4	905.4	842.5	758.7	716.7	688.1
145°	866.3	873.9	904.0	934.1	904.0	873.9	866.3	814.8	746.2	711.9	688.1
147.5°	833.4	839.6	864.5	889.5	864.5	839.6	833.4	792.9	738.9	711.9	692.8
150°	814.5	819.6	839.8	860.0	839.8	819.6	814.5	780.3	734.7	711.9	695.3
152.5°	799.5	803.3	818.5	833.9	818.5	803.3	799.5	770.3	731.3	711.9	696.9
155°	781.6	784.1	794.2	804.3	794.2	784.1	781.6	758.3	727.4	711.9	700.5
157.5°	766.1	767.9	775.0	782.1	775.0	767.9	766.1	748.0	723.9	711.9	704.0
160°	758.3	759.4	763.5	767.6	763.5	759.4	758.3	742.8	722.2	711.9	705.6
162.5°	751.1	752.1	756.0	759.8	756.0	752.1	751.1	738.0	720.6	711.9	707.4
165°	739.9	740.9	745.1	749.2	745.1	740.9	739.9	730.6	718.1	711.9	709.8
167.5°	735.1	735.6	737.3	739.0	737.3	735.6	735.1	729.0	720.8	716.7	715.1
170°	735.1	735.1	735.1	735.1	735.1	735.1	735.1	729.0	720.8	716.7	716.6
172.5°	731.2	730.8	729.4	727.9	729.4	730.8	731.2	726.4	719.9	716.7	716.7
175°	725.9	725.9	725.9	725.9	725.9	725.9	725.9	722.8	718.8	716.7	717.7
177.5°	725.0	724.5	722.8	721.1	722.8	724.5	725.0	722.5	719.3	717.7	718.4
180°	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	988.1	988.1	988.1	988.1	988.1
2.5°	975.9	980.6	983.4	987.1	996.5
5°	938.5	956.3	961.9	975.9	992.8
7.5°	856.3	910.5	925.5	959.1	985.3
10°	776.8	831.0	857.2	936.7	975.9
12.5°	736.6	768.4	786.2	897.4	962.8
15°	711.4	733.8	746.9	845.1	947.9
17.5°	691.8	707.7	717.0	793.7	927.3
20°	679.6	687.1	695.5	756.3	904.0
22.5°	671.2	666.5	673.1	730.1	872.2
25°	665.6	647.8	655.3	709.5	834.8
27.5°	670.3	631.0	633.8	690.8	795.5
30°	671.2	610.5	611.4	671.2	751.6
32.5°	664.7	589.0	589.9	646.9	702.1
35°	648.8	563.7	562.8	618.9	634.8
37.5°	627.3	536.6	536.6	588.0	560.9
40°	601.1	509.5	512.3	547.8	495.5
42.5°	569.3	480.5	484.3	494.6	446.9
45°	534.7	452.5	455.3	417.9	409.5
47.5°	496.4	423.5	424.4	346.9	397.3
50°	450.6	393.6	389.9	297.2	396.4
52.5°	410.4	360.9	349.7	269.2	360.0
55°	371.2	326.2	301.9	247.7	333.8
57.5°	336.6	281.3	258.0	222.5	328.1
60°	304.7	237.4	219.7	195.4	301.0
62.5°	278.5	204.7	201.0	176.7	272.9
65°	250.5	182.3	181.3	160.8	231.8
67.5°	223.4	167.3	166.4	145.8	176.7
70°	194.4	151.4	149.6	129.9	130.9
72.5°	164.5	133.7	131.8	116.8	108.4
75°	134.6	113.1	112.2	101.9	87.9
77.5°	105.6	89.7	91.6	82.3	64.5
80°	75.7	65.4	67.3	58.9	48.6
82.5°	50.5	43.0	44.9	37.4	32.7
85°	28.0	24.3	25.2	19.6	15.0
87.5°	13.1	11.2	11.2	7.5	4.7
90°	21.3	13.6	12.6	8.7	4.9
92.5°	131.3	93.4	85.2	52.3	19.3
95°	323.1	182.0	166.9	106.6	46.5
97.5°	435.2	199.8	186.6	133.4	80.3
100°	476.0	214.9	202.8	154.7	106.5
102.5°	494.7	229.8	218.6	173.7	128.7
105°	508.7	252.2	242.6	204.6	166.5
107.5°	511.3	285.1	276.2	240.7	205.2
110°	507.4	303.4	295.4	263.4	231.3



TEST NUMBER: P935535
 CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	507.5	325.7	318.0	287.5	257.0
115°	512.2	359.1	352.1	323.9	295.6
117.5°	521.8	391.5	385.2	359.6	334.0
120°	529.5	410.4	404.4	380.3	356.2
122.5°	540.6	432.7	426.6	402.3	378.0
125°	555.6	461.2	455.7	433.5	411.4
127.5°	570.5	488.8	483.1	460.8	438.5
130°	581.6	507.2	501.2	477.1	453.0
132.5°	590.5	522.2	516.2	492.1	468.0
135°	600.1	539.6	534.1	512.2	490.3
137.5°	614.6	561.9	556.4	534.7	513.0
140°	623.5	576.9	571.9	551.9	531.8
142.5°	630.9	588.0	583.4	564.8	546.3
145°	640.6	604.9	600.9	584.8	568.7
147.5°	654.8	626.3	622.3	606.6	590.9
150°	662.2	637.4	633.8	619.6	605.4
152.5°	667.1	644.7	642.0	631.2	620.5
155°	677.7	660.6	658.6	650.6	642.7
157.5°	688.3	676.5	674.6	666.9	659.2
160°	693.2	683.8	682.3	676.3	670.3
162.5°	698.3	691.6	690.5	685.9	681.4
165°	705.8	702.7	701.7	697.6	693.5
167.5°	711.6	709.0	708.5	706.5	704.7
170°	716.5	716.3	715.8	713.8	711.9
172.5°	716.7	716.7	716.6	716.2	715.8
175°	719.6	721.1	721.1	721.1	721.1
177.5°	720.0	721.1	721.1	721.1	721.1
180°	721.1	721.1	721.1	721.1	721.1



TEST NUMBER: P935535
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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	15.59	17.05
	3H	11.44	12.10	12.52	13.19	14.67	15.09	15.76	16.18	16.84	18.33
	4H	11.62	12.26	12.72	13.34	14.83	15.53	16.16	16.62	17.24	18.73
	6H	11.74	12.32	12.84	13.41	14.91	15.80	16.38	16.90	17.47	18.97
	8H	11.74	12.29	12.84	13.39	14.89	15.86	16.42	16.97	17.52	19.02
	12H	11.70	12.23	12.81	13.32	14.84	15.89	16.42	17.00	17.52	19.03
4H	2H	11.98	12.61	13.08	13.70	15.19	14.16	14.80	15.26	15.88	17.37
	3H	13.00	13.52	14.10	14.63	16.14	15.65	16.18	16.76	17.29	18.79
	4H	13.27	13.75	14.38	14.85	16.37	16.16	16.65	17.28	17.75	19.27
	6H	13.39	13.80	14.51	14.92	16.44	16.52	16.93	17.63	18.05	19.57
	8H	13.39	13.78	14.51	14.89	16.42	16.61	17.00	17.73	18.12	19.65
	12H	13.35	13.70	14.49	14.83	16.37	16.66	17.01	17.80	18.14	19.68
8H	4H	13.71	14.09	14.83	15.21	16.74	16.28	16.67	17.40	17.78	19.32
	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	18.00	18.27	19.82
	12H	13.98	14.23	15.13	15.36	16.95	16.94	17.18	18.09	18.32	19.90
12H	4H	13.71	14.06	14.84	15.18	16.72	16.24	16.59	17.38	17.72	19.26
	6H	14.02	14.30	15.17	15.44	16.99	16.70	16.98	17.85	18.12	19.67
	8H	14.08	14.33	15.23	15.46	17.05	16.85	17.10	18.00	18.23	19.82