

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: P935536

Luminaire Tested: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-6500K

Issue Date: 12/17/2024

**Test Information**

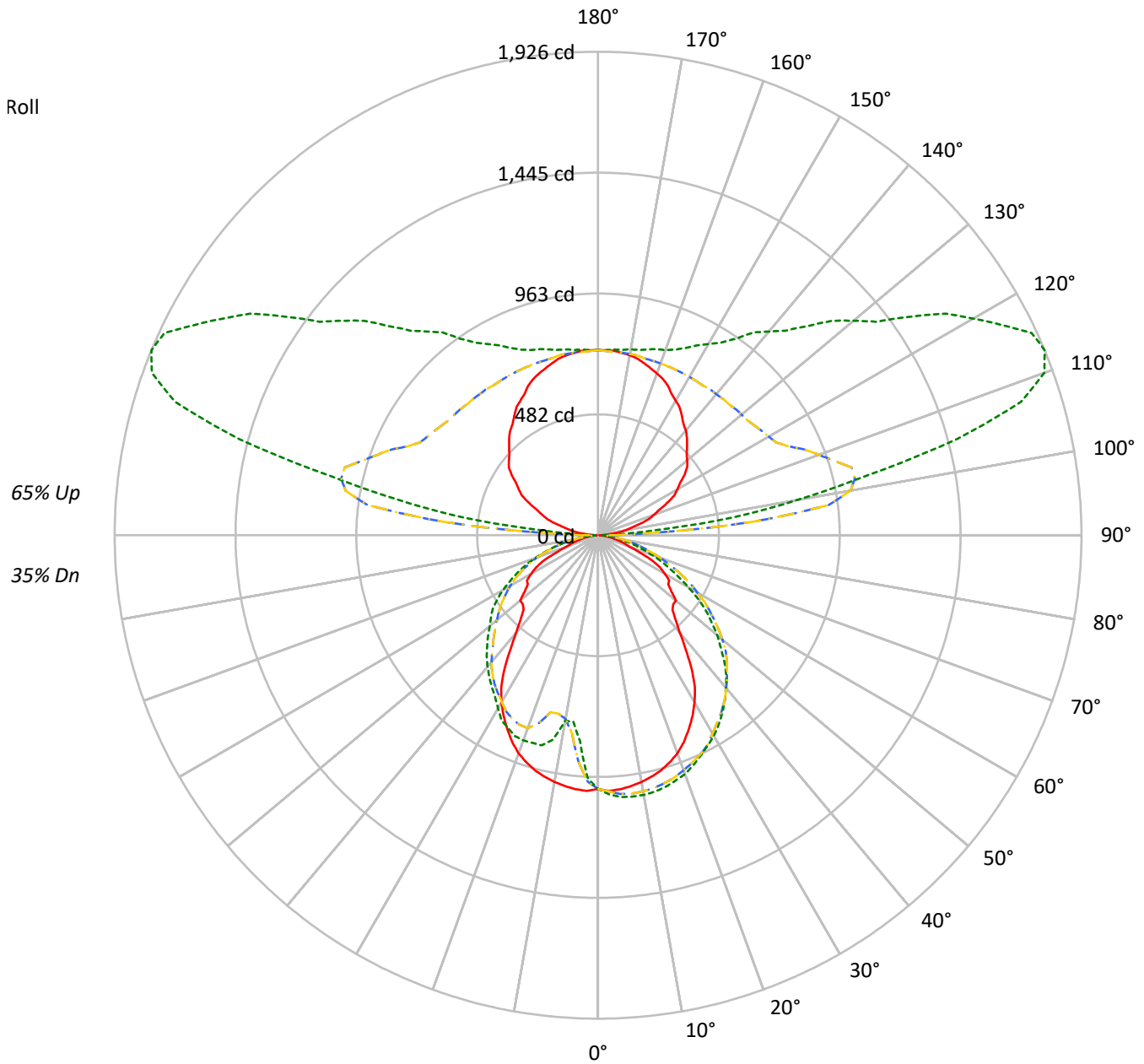
Test Method: LM-79-2019  
Report Number: P935536  
REPORT IS A COMBINATION OF REPORTS P933758 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-6500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7405.7 lumens  
Efficiency: N/A  
Efficacy: 133.2 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 55.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P935536  
CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-6500K

### 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°	9379	9379	9379	9379
5°	9439	9469	9439	7445
10°	9366	9327	9366	6668
15°	9254	9126	9254	7619
20°	9049	8885	9049	7635
25°	8643	8536	8643	7473
30°	8121	8246	8121	7118
35°	7230	7879	7230	6728
40°	6014	7448	6014	6433
45°	5363	6943	5363	6094
50°	5684	6340	5684	5753
55°	5334	5691	5334	5556
60°	5477	4833	5477	5089
65°	4941	3995	4941	4467
70°	3399	3183	3399	3743
75°	2948	2353	2948	2819
80°	2326	1557	2326	1694
85°	1267	823	1267	700

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 8235 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.2	1.2
10°-20°	259.1	3.5
20°-30°	400.5	5.4
30°-40°	478.1	6.5
40°-50°	480.9	6.5
50°-60°	418.4	5.7
60°-70°	296.7	4.0
70°-80°	156.9	2.1
80°-90°	41.9	0.6
90°-100°	359.6	4.9
100°-110°	945.4	12.8
110°-120°	980.2	13.2
120°-130°	786.3	10.6
130°-140°	616.9	8.3
140°-150°	473.5	6.4
150°-160°	341.0	4.6
160°-170°	208.7	2.8
170°-180°	70.5	1.0
0°-30°	750.8	10.1
0°-40°	1228.9	16.6
0°-60°	2128.2	28.7
0°-90°	2623.7	35.4
90°-120°	2285.1	30.9
90°-150°	4161.8	56.2
90°-180°	4782.0	64.6
0°-180°	7405.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1011	1011	1011	1011	1011	
5°	1016	1047	1016	823	1016	96
15°	970	1038	970	866	970	273
25°	854	968	854	847	854	392
35°	649	864	649	737	649	402
45°	419	712	419	624	419	336
55°	342	525	342	513	342	314
65°	237	316	237	354	237	227
75°	90	150	90	180	90	95
85°	15	38	15	32	15	21
90°	5	19	5	19	5	5
95°	48	217	48	217	48	53
105°	170	1480	170	1480	170	181
115°	302	1906	302	1906	302	299
125°	421	1518	421	1518	421	374
135°	502	1178	502	1178	502	388
145°	582	956	582	956	582	364
155°	658	823	658	823	658	302
165°	709	766	709	766	709	200
175°	738	743	738	743	738	70
180°	738	738	738	738	738	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8
2.5°	1019.4	1019.4	1025.2	1027.1	1027.1	1024.3	1021.4	1024.3	1032.9	1035.7	1034.8
5°	1015.6	1023.3	1033.8	1035.7	1037.7	1036.7	1034.8	1036.7	1046.3	1048.2	1049.1
7.5°	1007.9	1022.4	1035.7	1038.6	1041.5	1038.6	1037.7	1039.6	1049.1	1051.0	1051.0
10°	998.4	1018.4	1033.8	1035.7	1038.6	1035.7	1035.7	1039.6	1049.1	1051.0	1052.0
12.5°	985.0	1012.7	1027.1	1029.1	1032.9	1031.9	1031.0	1034.8	1044.4	1046.3	1046.3
15°	969.7	1002.2	1015.6	1017.5	1024.3	1022.4	1022.4	1026.2	1036.7	1039.6	1038.6
17.5°	948.6	988.8	1004.1	1007.0	1011.7	1010.8	1011.7	1015.6	1025.2	1027.1	1028.1
20°	924.7	970.6	988.8	991.7	996.4	996.4	996.4	1001.2	1010.8	1014.6	1014.6
22.5°	892.2	951.5	970.6	972.5	978.3	978.3	980.2	986.9	995.5	996.4	996.4
25°	854.0	930.5	946.7	952.5	958.2	961.1	963.9	967.8	970.6	969.7	970.6
27.5°	813.8	903.7	924.7	928.6	936.2	939.1	942.9	943.9	944.8	947.7	945.8
30°	768.9	866.4	898.0	901.8	914.2	916.1	912.3	914.2	919.0	920.9	922.8
32.5°	718.2	810.9	870.2	878.8	890.3	884.6	883.6	886.5	894.1	894.1	896.0
35°	649.4	767.9	844.4	852.1	860.7	854.0	857.8	858.8	863.5	866.4	865.5
37.5°	573.8	730.6	817.6	823.4	830.1	821.5	827.2	830.1	833.9	832.0	832.0
40°	506.9	672.3	786.1	789.9	795.6	789.0	794.7	796.6	798.5	796.6	795.6
42.5°	457.2	608.2	752.6	757.4	753.6	758.4	760.3	764.1	761.2	757.4	757.4
45°	418.9	591.0	716.3	722.0	716.3	723.9	726.8	726.8	718.2	716.3	715.3
47.5°	406.5	556.6	679.9	679.9	677.1	686.6	691.4	684.7	676.1	673.3	673.3
50°	405.5	518.4	630.2	626.4	639.8	651.3	646.5	639.8	633.1	622.6	622.6
52.5°	368.2	471.5	566.2	580.5	601.5	608.2	600.6	593.9	582.4	577.6	573.8
55°	341.5	422.7	507.8	536.5	558.5	567.1	552.8	546.1	528.9	526.0	524.1
57.5°	335.6	352.0	454.3	490.6	517.4	516.4	507.8	495.4	481.1	478.2	477.2
60°	307.9	254.3	396.9	439.9	467.7	464.8	457.2	445.7	432.3	430.4	428.5
62.5°	279.2	184.5	331.8	380.7	419.9	418.9	412.2	395.0	385.4	380.7	376.8
65°	237.1	154.9	236.2	316.5	373.0	374.9	360.6	348.1	337.5	331.8	330.8
67.5°	180.7	126.2	159.7	263.9	328.0	326.1	307.9	302.2	288.8	285.9	280.2
70°	133.9	84.1	110.9	214.2	284.0	279.2	264.9	258.2	245.7	239.0	235.2
72.5°	110.9	67.9	81.3	166.4	239.0	233.3	220.9	213.2	202.7	197.0	193.2
75°	89.9	71.7	62.2	123.3	194.1	190.3	178.8	171.2	162.6	154.9	155.9
77.5°	66.0	66.9	49.7	90.8	153.9	148.2	141.5	132.0	128.1	120.5	120.5
80°	49.7	52.6	37.3	62.2	110.9	110.9	105.2	98.5	91.8	88.0	88.0
82.5°	33.5	33.5	27.7	39.2	75.5	72.7	68.8	66.9	63.1	61.2	61.2
85°	15.3	19.1	17.2	23.9	41.1	43.0	43.0	41.1	40.2	38.2	39.2
87.5°	4.8	8.6	10.5	13.4	21.0	22.0	22.9	22.9	22.9	23.9	23.9
90°	5.0	8.9	12.9	13.9	21.8	32.3	37.6	33.4	25.1	18.8	18.8
92.5°	19.8	53.5	87.1	95.5	134.3	186.1	211.9	185.7	133.4	94.1	90.4
95°	47.5	109.1	170.8	186.2	330.6	523.0	619.3	552.7	419.4	319.4	308.0
97.5°	82.1	136.4	190.9	204.4	445.2	766.2	926.7	884.6	800.3	737.1	715.6
100°	108.9	158.2	207.5	219.8	487.0	843.2	1021.3	1024.4	1030.6	1035.2	1009.5
102.5°	131.7	177.7	223.7	235.1	506.1	867.5	1048.1	1101.8	1209.2	1289.7	1267.7
105°	170.3	209.3	248.2	258.0	520.4	870.2	1045.1	1165.5	1406.2	1586.7	1574.8
107.5°	209.9	246.2	282.6	291.6	523.0	831.5	985.7	1153.6	1489.4	1741.1	1744.0
110°	236.7	269.5	302.2	310.4	519.0	797.2	936.2	1123.9	1499.3	1780.8	1793.1



TEST NUMBER: P935536

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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	262.9	294.1	325.3	333.1	519.1	767.2	891.2	1083.3	1467.5	1755.6	1774.5
115°	302.4	331.3	360.2	367.4	524.0	732.7	837.1	1022.2	1392.3	1669.9	1696.1
117.5°	341.6	367.8	394.0	400.5	533.7	711.3	800.0	967.0	1301.0	1551.5	1580.6
120°	364.4	389.1	413.7	419.9	541.7	704.0	785.2	937.8	1243.0	1471.9	1500.2
122.5°	386.7	411.5	436.4	442.6	553.1	700.2	773.8	911.3	1186.1	1392.1	1420.0
125°	420.8	443.5	466.1	471.8	568.4	697.1	761.4	878.2	1111.6	1286.7	1312.4
127.5°	448.6	471.4	494.3	500.0	583.7	695.2	751.0	851.2	1051.7	1202.0	1223.7
130°	463.4	488.0	512.7	518.8	594.9	696.4	747.1	836.3	1014.7	1148.6	1168.6
132.5°	478.8	503.4	528.1	534.2	604.0	697.1	743.6	823.5	983.3	1103.1	1120.9
135°	501.5	524.0	546.4	552.0	613.9	696.4	737.7	804.6	938.4	1038.7	1054.2
137.5°	524.8	546.9	569.2	574.8	628.7	700.7	736.7	793.2	906.3	991.1	1003.7
140°	544.1	564.5	585.0	590.2	637.9	701.5	733.2	782.1	879.8	953.0	964.9
142.5°	558.9	577.8	596.8	601.5	645.4	703.9	733.2	776.1	861.9	926.3	936.4
145°	581.7	598.2	614.7	618.8	655.3	703.9	728.2	763.3	833.5	886.2	893.9
147.5°	604.5	620.6	636.6	640.6	669.8	708.7	728.2	755.9	811.1	852.5	858.9
150°	619.3	633.9	648.4	652.0	677.5	711.3	728.2	751.6	798.2	833.2	838.4
152.5°	634.7	645.7	656.7	659.5	682.4	712.9	728.2	748.1	788.0	817.8	821.8
155°	657.5	665.6	673.7	675.7	693.2	716.6	728.2	744.1	775.8	799.6	802.2
157.5°	674.3	682.2	690.1	692.1	704.1	720.2	728.2	740.6	765.2	783.7	785.5
160°	685.7	691.8	698.0	699.6	709.1	721.8	728.2	738.8	759.9	775.8	776.8
162.5°	697.1	701.7	706.3	707.5	714.4	723.6	728.2	737.1	755.0	768.4	769.4
165°	709.4	713.6	717.8	718.9	722.0	726.1	728.2	734.6	747.4	756.9	758.0
167.5°	720.9	722.8	724.8	725.3	727.9	731.5	733.2	737.4	745.7	752.0	752.5
170°	728.2	730.2	732.3	732.7	732.9	733.1	733.2	737.4	745.7	752.0	752.0
172.5°	732.3	732.6	733.1	733.2	733.2	733.2	733.2	736.5	743.1	748.0	747.6
175°	737.7	737.7	737.7	737.7	736.2	734.2	733.2	735.3	739.4	742.6	742.6
177.5°	737.7	737.7	737.7	737.7	736.6	734.9	734.2	735.8	739.1	741.6	741.1
180°	737.7	737.7	737.7	737.7	737.7	737.7	737.7	737.7	737.7	737.7	737.7



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8
2.5°	1036.7	1033.8	1036.7	1034.8	1035.7	1032.9	1024.3	1021.4	1024.3	1027.1	1027.1
5°	1049.1	1047.2	1049.1	1049.1	1048.2	1046.3	1036.7	1034.8	1036.7	1037.7	1035.7
7.5°	1053.0	1050.1	1053.0	1051.0	1051.0	1049.1	1039.6	1037.7	1038.6	1041.5	1038.6
10°	1053.0	1050.1	1053.0	1052.0	1051.0	1049.1	1039.6	1035.7	1035.7	1038.6	1035.7
12.5°	1048.2	1046.3	1048.2	1046.3	1046.3	1044.4	1034.8	1031.0	1031.9	1032.9	1029.1
15°	1040.5	1037.7	1040.5	1038.6	1039.6	1036.7	1026.2	1022.4	1022.4	1024.3	1017.5
17.5°	1029.1	1025.2	1029.1	1028.1	1027.1	1025.2	1015.6	1011.7	1010.8	1011.7	1007.0
20°	1015.6	1012.7	1015.6	1014.6	1014.6	1010.8	1001.2	996.4	996.4	996.4	991.7
22.5°	994.5	991.7	994.5	996.4	996.4	995.5	986.9	980.2	978.3	978.3	972.5
25°	970.6	967.8	970.6	970.6	969.7	970.6	967.8	963.9	961.1	958.2	952.5
27.5°	947.7	945.8	947.7	945.8	947.7	944.8	943.9	942.9	939.1	936.2	928.6
30°	924.7	922.8	924.7	922.8	920.9	919.0	914.2	912.3	916.1	914.2	901.8
32.5°	896.0	894.1	896.0	896.0	894.1	894.1	886.5	883.6	884.6	890.3	878.8
35°	866.4	863.5	866.4	865.5	866.4	863.5	858.8	857.8	854.0	860.7	852.1
37.5°	832.0	829.1	832.0	832.0	832.0	833.9	830.1	827.2	821.5	830.1	823.4
40°	796.6	792.8	796.6	795.6	796.6	798.5	796.6	794.7	789.0	795.6	789.9
42.5°	756.4	755.5	756.4	757.4	757.4	761.2	764.1	760.3	758.4	753.6	757.4
45°	713.4	711.5	713.4	715.3	716.3	718.2	726.8	726.8	723.9	716.3	722.0
47.5°	667.5	662.7	667.5	673.3	673.3	676.1	684.7	691.4	686.6	677.1	679.9
50°	618.8	619.7	618.8	622.6	622.6	633.1	639.8	646.5	651.3	639.8	626.4
52.5°	570.9	570.0	570.9	573.8	577.6	582.4	593.9	600.6	608.2	601.5	580.5
55°	523.1	525.0	523.1	524.1	526.0	528.9	546.1	552.8	567.1	558.5	536.5
57.5°	475.3	472.5	475.3	477.2	478.2	481.1	495.4	507.8	516.4	517.4	490.6
60°	419.9	416.0	419.9	428.5	430.4	432.3	445.7	457.2	464.8	467.7	439.9
62.5°	371.1	364.4	371.1	376.8	380.7	385.4	395.0	412.2	418.9	419.9	380.7
65°	319.4	316.5	319.4	330.8	331.8	337.5	348.1	360.6	374.9	373.0	316.5
67.5°	272.5	272.5	272.5	280.2	285.9	288.8	302.2	307.9	326.1	328.0	263.9
70°	229.5	228.5	229.5	235.2	239.0	245.7	258.2	264.9	279.2	284.0	214.2
72.5°	188.4	187.4	188.4	193.2	197.0	202.7	213.2	220.9	233.3	239.0	166.4
75°	152.0	150.1	152.0	155.9	154.9	162.6	171.2	178.8	190.3	194.1	123.3
77.5°	116.7	116.7	116.7	120.5	120.5	128.1	132.0	141.5	148.2	153.9	90.8
80°	87.0	86.1	87.0	88.0	88.0	91.8	98.5	105.2	110.9	110.9	62.2
82.5°	61.2	59.3	61.2	61.2	61.2	63.1	66.9	68.8	72.7	75.5	39.2
85°	38.2	38.2	38.2	39.2	38.2	40.2	41.1	43.0	43.0	41.1	23.9
87.5°	24.9	23.9	24.9	23.9	23.9	22.9	22.9	22.9	22.0	21.0	13.4
90°	18.8	18.8	18.8	18.8	18.8	25.1	33.4	37.6	32.3	21.8	13.9
92.5°	75.3	60.4	75.3	90.4	94.1	133.4	185.7	211.9	186.1	134.3	95.5
95°	262.7	217.3	262.7	308.0	319.4	419.4	552.7	619.3	523.0	330.6	186.2
97.5°	629.4	543.1	629.4	715.6	737.1	800.3	884.6	926.7	766.2	445.2	204.4
100°	906.8	804.0	906.8	1009.5	1035.2	1030.6	1024.4	1021.3	843.2	487.0	219.8
102.5°	1179.7	1091.7	1179.7	1267.7	1289.7	1209.2	1101.8	1048.1	867.5	506.1	235.1
105°	1527.6	1480.3	1527.6	1574.8	1586.7	1406.2	1165.5	1045.1	870.2	520.4	258.0
107.5°	1755.5	1766.9	1755.5	1744.0	1741.1	1489.4	1153.6	985.7	831.5	523.0	291.6
110°	1842.4	1891.6	1842.4	1793.1	1780.8	1499.3	1123.9	936.2	797.2	519.0	310.4





TEST NUMBER: P935536

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-6500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1850.1	1925.9	1850.1	1774.5	1755.6	1467.5	1083.3	891.2	767.2	519.1	333.1
115°	1801.1	1906.1	1801.1	1696.1	1669.9	1392.3	1022.2	837.1	732.7	524.0	367.4
117.5°	1697.1	1813.4	1697.1	1580.6	1551.5	1301.0	967.0	800.0	711.3	533.7	400.5
120°	1613.2	1726.3	1613.2	1500.2	1471.9	1243.0	937.8	785.2	704.0	541.7	419.9
122.5°	1531.5	1643.1	1531.5	1420.0	1392.1	1186.1	911.3	773.8	700.2	553.1	442.6
125°	1415.1	1517.9	1415.1	1312.4	1286.7	1111.6	878.2	761.4	697.1	568.4	471.8
127.5°	1310.4	1397.1	1310.4	1223.7	1202.0	1051.7	851.2	751.0	695.2	583.7	500.0
130°	1248.7	1328.8	1248.7	1168.6	1148.6	1014.7	836.3	747.1	696.4	594.9	518.8
132.5°	1192.7	1264.4	1192.7	1120.9	1103.1	983.3	823.5	743.6	697.1	604.0	534.2
135°	1116.0	1177.7	1116.0	1054.2	1038.7	938.4	804.6	737.7	696.4	613.9	552.0
137.5°	1054.4	1105.0	1054.4	1003.7	991.1	906.3	793.2	736.7	700.7	628.7	574.8
140°	1012.1	1059.5	1012.1	964.9	953.0	879.8	782.1	733.2	701.5	637.9	590.2
142.5°	977.1	1017.9	977.1	936.4	926.3	861.9	776.1	733.2	703.9	645.4	601.5
145°	924.7	955.5	924.7	893.9	886.2	833.5	763.3	728.2	703.9	655.3	618.8
147.5°	884.4	909.9	884.4	858.9	852.5	811.1	755.9	728.2	708.7	669.8	640.6
150°	859.1	879.8	859.1	838.4	833.2	798.2	751.6	728.2	711.3	677.5	652.0
152.5°	837.3	853.0	837.3	821.8	817.8	788.0	748.1	728.2	712.9	682.4	659.5
155°	812.5	822.8	812.5	802.2	799.6	775.8	744.1	728.2	716.6	693.2	675.7
157.5°	792.8	800.0	792.8	785.5	783.7	765.2	740.6	728.2	720.2	704.1	692.1
160°	781.0	785.2	781.0	776.8	775.8	759.9	738.8	728.2	721.8	709.1	699.6
162.5°	773.4	777.3	773.4	769.4	768.4	755.0	737.1	728.2	723.6	714.4	707.5
165°	762.2	766.4	762.2	758.0	756.9	747.4	734.6	728.2	726.1	722.0	718.9
167.5°	754.2	756.0	754.2	752.5	752.0	745.7	737.4	733.2	731.5	727.9	725.3
170°	752.0	752.0	752.0	752.0	752.0	745.7	737.4	733.2	733.1	732.9	732.7
172.5°	746.1	744.6	746.1	747.6	748.0	743.1	736.5	733.2	733.2	733.2	733.2
175°	742.6	742.6	742.6	742.6	742.6	739.4	735.3	733.2	734.2	736.2	737.7
177.5°	739.4	737.7	739.4	741.1	741.6	739.1	735.8	734.2	734.9	736.6	737.7
180°	737.7	737.7	737.7	737.7	737.7	737.7	737.7	737.7	737.7	737.7	737.7



TEST NUMBER: P935536

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8
2.5°	1025.2	1019.4	1019.4	1009.8	1006.0	1003.1	998.4	984.0	980.2	976.4	982.1
5°	1033.8	1023.3	1015.6	998.4	984.0	978.3	960.1	925.7	902.7	885.5	876.0
7.5°	1035.7	1022.4	1007.9	981.1	946.7	931.4	876.0	812.9	795.6	780.3	770.8
10°	1033.8	1018.4	998.4	958.2	876.9	850.2	794.7	753.6	743.1	740.2	743.1
12.5°	1027.1	1012.7	985.0	918.0	804.3	786.1	753.6	729.7	727.8	732.5	758.4
15°	1015.6	1002.2	969.7	864.5	764.1	750.7	727.8	719.2	729.7	763.1	840.6
17.5°	1004.1	988.8	948.6	811.9	733.5	723.9	707.7	724.9	784.2	829.1	854.9
20°	988.8	970.6	924.7	773.7	711.5	702.9	695.2	772.7	817.6	833.9	848.2
22.5°	970.6	951.5	892.2	746.9	688.6	681.9	686.6	799.5	817.6	829.1	841.5
25°	946.7	930.5	854.0	725.8	670.4	662.7	680.9	796.6	807.1	810.0	834.9
27.5°	924.7	903.7	813.8	706.7	648.4	645.5	685.7	784.2	791.8	794.7	821.5
30°	898.0	866.4	768.9	686.6	625.4	624.5	686.6	768.9	767.0	774.6	801.4
32.5°	870.2	810.9	718.2	661.8	603.5	602.5	679.9	745.9	744.0	754.5	774.6
35°	844.4	767.9	649.4	633.1	575.7	576.7	663.7	719.2	720.1	729.7	742.1
37.5°	817.6	730.6	573.8	601.5	549.0	549.0	641.7	694.3	692.4	695.2	712.5
40°	786.1	672.3	506.9	560.4	524.1	521.2	614.9	667.5	660.8	659.9	683.8
42.5°	752.6	608.2	457.2	505.9	495.4	491.6	582.4	635.0	622.6	625.4	656.0
45°	716.3	591.0	418.9	427.5	465.8	462.9	547.0	597.7	589.1	596.8	628.3
47.5°	679.9	556.6	406.5	354.8	434.2	433.3	507.8	561.4	556.6	564.2	597.7
50°	630.2	518.4	405.5	304.1	398.8	402.7	461.0	526.0	526.0	532.7	568.1
52.5°	566.2	471.5	368.2	275.4	357.7	369.2	419.9	495.4	497.3	504.0	535.6
55°	507.8	422.7	341.5	253.4	308.9	333.7	379.7	463.8	467.7	474.4	503.1
57.5°	454.3	352.0	335.6	227.6	263.9	287.8	344.3	433.3	435.2	440.9	468.6
60°	396.9	254.3	307.9	199.8	224.7	242.9	311.7	396.9	403.6	407.4	431.3
62.5°	331.8	184.5	279.2	180.7	205.6	209.4	284.9	362.5	371.1	374.0	388.3
65°	236.2	154.9	237.1	164.5	185.5	186.5	256.3	327.0	334.7	339.4	350.1
67.5°	159.7	126.2	180.7	149.2	170.2	171.2	228.5	285.9	296.4	300.2	306.9
70°	110.9	84.1	133.9	132.9	153.0	154.9	198.9	248.6	258.2	261.0	264.9
72.5°	81.3	67.9	110.9	119.5	134.8	136.7	168.3	206.5	216.1	219.0	220.9
75°	62.2	71.7	89.9	104.2	114.7	115.7	137.7	168.3	175.0	176.9	177.9
77.5°	49.7	66.9	66.0	84.1	93.7	91.8	108.0	130.0	135.8	135.8	135.8
80°	37.3	52.6	49.7	60.2	68.8	66.9	77.5	92.8	94.7	96.6	95.6
82.5°	27.7	33.5	33.5	38.2	45.9	44.0	51.6	60.2	60.2	60.2	62.2
85°	17.2	19.1	15.3	20.1	25.8	24.9	28.7	32.5	33.5	33.5	31.6
87.5°	10.5	8.6	4.8	7.6	11.5	11.5	13.4	14.3	13.4	13.4	13.4
90°	12.9	8.9	5.0	8.9	12.9	13.9	21.8	32.3	37.6	33.4	25.1
92.5°	87.1	53.5	19.8	53.5	87.1	95.5	134.3	186.1	211.9	185.7	133.4
95°	170.8	109.1	47.5	109.1	170.8	186.2	330.6	523.0	619.3	552.7	419.4
97.5°	190.9	136.4	82.1	136.4	190.9	204.4	445.2	766.2	926.7	884.6	800.3
100°	207.5	158.2	108.9	158.2	207.5	219.8	487.0	843.2	1021.3	1024.4	1030.6
102.5°	223.7	177.7	131.7	177.7	223.7	235.1	506.1	867.5	1048.1	1101.8	1209.2
105°	248.2	209.3	170.3	209.3	248.2	258.0	520.4	870.2	1045.1	1165.5	1406.2
107.5°	282.6	246.2	209.9	246.2	282.6	291.6	523.0	831.5	985.7	1153.6	1489.4
110°	302.2	269.5	236.7	269.5	302.2	310.4	519.0	797.2	936.2	1123.9	1499.3



TEST NUMBER: P935536

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	325.3	294.1	262.9	294.1	325.3	333.1	519.1	767.2	891.2	1083.3	1467.5
115°	360.2	331.3	302.4	331.3	360.2	367.4	524.0	732.7	837.1	1022.2	1392.3
117.5°	394.0	367.8	341.6	367.8	394.0	400.5	533.7	711.3	800.0	967.0	1301.0
120°	413.7	389.1	364.4	389.1	413.7	419.9	541.7	704.0	785.2	937.8	1243.0
122.5°	436.4	411.5	386.7	411.5	436.4	442.6	553.1	700.2	773.8	911.3	1186.1
125°	466.1	443.5	420.8	443.5	466.1	471.8	568.4	697.1	761.4	878.2	1111.6
127.5°	494.3	471.4	448.6	471.4	494.3	500.0	583.7	695.2	751.0	851.2	1051.7
130°	512.7	488.0	463.4	488.0	512.7	518.8	594.9	696.4	747.1	836.3	1014.7
132.5°	528.1	503.4	478.8	503.4	528.1	534.2	604.0	697.1	743.6	823.5	983.3
135°	546.4	524.0	501.5	524.0	546.4	552.0	613.9	696.4	737.7	804.6	938.4
137.5°	569.2	546.9	524.8	546.9	569.2	574.8	628.7	700.7	736.7	793.2	906.3
140°	585.0	564.5	544.1	564.5	585.0	590.2	637.9	701.5	733.2	782.1	879.8
142.5°	596.8	577.8	558.9	577.8	596.8	601.5	645.4	703.9	733.2	776.1	861.9
145°	614.7	598.2	581.7	598.2	614.7	618.8	655.3	703.9	728.2	763.3	833.5
147.5°	636.6	620.6	604.5	620.6	636.6	640.6	669.8	708.7	728.2	755.9	811.1
150°	648.4	633.9	619.3	633.9	648.4	652.0	677.5	711.3	728.2	751.6	798.2
152.5°	656.7	645.7	634.7	645.7	656.7	659.5	682.4	712.9	728.2	748.1	788.0
155°	673.7	665.6	657.5	665.6	673.7	675.7	693.2	716.6	728.2	744.1	775.8
157.5°	690.1	682.2	674.3	682.2	690.1	692.1	704.1	720.2	728.2	740.6	765.2
160°	698.0	691.8	685.7	691.8	698.0	699.6	709.1	721.8	728.2	738.8	759.9
162.5°	706.3	701.7	697.1	701.7	706.3	707.5	714.4	723.6	728.2	737.1	755.0
165°	717.8	713.6	709.4	713.6	717.8	718.9	722.0	726.1	728.2	734.6	747.4
167.5°	724.8	722.8	720.9	722.8	724.8	725.3	727.9	731.5	733.2	737.4	745.7
170°	732.3	730.2	728.2	730.2	732.3	732.7	732.9	733.1	733.2	737.4	745.7
172.5°	733.1	732.6	732.3	732.6	733.1	733.2	733.2	733.2	733.2	736.5	743.1
175°	737.7	737.7	737.7	737.7	737.7	737.7	736.2	734.2	733.2	735.3	739.4
177.5°	737.7	737.7	737.7	737.7	737.7	737.7	736.6	734.9	734.2	735.8	739.1
180°	737.7	737.7	737.7	737.7	737.7	737.7	737.7	737.7	737.7	737.7	737.7



TEST NUMBER: P935536

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8
2.5°	975.4	972.5	976.4	965.9	976.4	972.5	975.4	982.1	976.4	980.2	984.0
5°	855.9	851.1	835.8	823.4	835.8	851.1	855.9	876.0	885.5	902.7	925.7
7.5°	765.1	761.2	757.4	749.8	757.4	761.2	765.1	770.8	780.3	795.6	812.9
10°	745.0	745.9	751.7	750.7	751.7	745.9	745.0	743.1	740.2	743.1	753.6
12.5°	796.6	805.2	836.8	834.9	836.8	805.2	796.6	758.4	732.5	727.8	729.7
15°	855.9	858.8	865.5	866.4	865.5	858.8	855.9	840.6	763.1	729.7	719.2
17.5°	861.6	862.6	867.4	867.4	867.4	862.6	861.6	854.9	829.1	784.2	724.9
20°	856.8	858.8	868.3	870.2	868.3	858.8	856.8	848.2	833.9	817.6	772.7
22.5°	854.9	858.8	866.4	865.5	866.4	858.8	854.9	841.5	829.1	817.6	799.5
25°	845.4	845.4	846.3	847.3	846.3	845.4	845.4	834.9	810.0	807.1	796.6
27.5°	825.3	827.2	832.9	832.0	832.9	827.2	825.3	821.5	794.7	791.8	784.2
30°	807.1	805.2	800.4	796.6	800.4	805.2	807.1	801.4	774.6	767.0	768.9
32.5°	776.5	771.7	767.0	764.1	767.0	771.7	776.5	774.6	754.5	744.0	745.9
35°	740.2	741.1	740.2	737.3	740.2	741.1	740.2	742.1	729.7	720.1	719.2
37.5°	714.4	716.3	715.3	711.5	715.3	716.3	714.4	712.5	695.2	692.4	694.3
40°	687.6	688.6	687.6	684.7	687.6	688.6	687.6	683.8	659.9	660.8	667.5
42.5°	661.8	660.8	658.0	656.0	658.0	660.8	661.8	656.0	625.4	622.6	635.0
45°	632.1	633.1	627.4	624.5	627.4	633.1	632.1	628.3	596.8	589.1	597.7
47.5°	602.5	602.5	597.7	594.8	597.7	602.5	602.5	597.7	564.2	556.6	561.4
50°	570.9	570.0	563.3	562.3	563.3	570.0	570.9	568.1	532.7	526.0	526.0
52.5°	534.6	534.6	535.6	537.5	535.6	534.6	534.6	535.6	504.0	497.3	495.4
55°	503.1	504.0	510.7	512.6	510.7	504.0	503.1	503.1	474.4	467.7	463.8
57.5°	470.5	470.5	475.3	475.3	475.3	470.5	470.5	468.6	440.9	435.2	433.3
60°	433.3	435.2	439.0	438.0	439.0	435.2	433.3	431.3	407.4	403.6	396.9
62.5°	394.0	396.0	396.9	395.0	396.9	396.0	394.0	388.3	374.0	371.1	362.5
65°	352.9	354.8	355.8	353.9	355.8	354.8	352.9	350.1	339.4	334.7	327.0
67.5°	310.8	309.8	308.9	312.7	308.9	309.8	310.8	306.9	300.2	296.4	285.9
70°	267.7	267.7	266.8	268.7	266.8	267.7	267.7	264.9	261.0	258.2	248.6
72.5°	221.8	220.9	224.7	221.8	224.7	220.9	221.8	220.9	219.0	216.1	206.5
75°	176.9	178.8	176.9	179.8	176.9	178.8	176.9	177.9	176.9	175.0	168.3
77.5°	134.8	136.7	134.8	134.8	134.8	136.7	134.8	135.8	135.8	135.8	130.0
80°	95.6	94.7	94.7	93.7	94.7	94.7	95.6	95.6	96.6	94.7	92.8
82.5°	61.2	60.2	60.2	62.2	60.2	60.2	61.2	62.2	60.2	60.2	60.2
85°	33.5	34.4	32.5	32.5	32.5	34.4	33.5	31.6	33.5	33.5	32.5
87.5°	12.4	11.5	11.5	11.5	11.5	11.5	12.4	13.4	13.4	13.4	14.3
90°	18.8	18.8	18.8	18.8	18.8	18.8	18.8	25.1	33.4	37.6	32.3
92.5°	94.1	90.4	75.3	60.4	75.3	90.4	94.1	133.4	185.7	211.9	186.1
95°	319.4	308.0	262.7	217.3	262.7	308.0	319.4	419.4	552.7	619.3	523.0
97.5°	737.1	715.6	629.4	543.1	629.4	715.6	737.1	800.3	884.6	926.7	766.2
100°	1035.2	1009.5	906.8	804.0	906.8	1009.5	1035.2	1030.6	1024.4	1021.3	843.2
102.5°	1289.7	1267.7	1179.7	1091.7	1179.7	1267.7	1289.7	1209.2	1101.8	1048.1	867.5
105°	1586.7	1574.8	1527.6	1480.3	1527.6	1574.8	1586.7	1406.2	1165.5	1045.1	870.2
107.5°	1741.1	1744.0	1755.5	1766.9	1755.5	1744.0	1741.1	1489.4	1153.6	985.7	831.5
110°	1780.8	1793.1	1842.4	1891.6	1842.4	1793.1	1780.8	1499.3	1123.9	936.2	797.2



TEST NUMBER: P935536

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1755.6	1774.5	1850.1	1925.9	1850.1	1774.5	1755.6	1467.5	1083.3	891.2	767.2
115°	1669.9	1696.1	1801.1	1906.1	1801.1	1696.1	1669.9	1392.3	1022.2	837.1	732.7
117.5°	1551.5	1580.6	1697.1	1813.4	1697.1	1580.6	1551.5	1301.0	967.0	800.0	711.3
120°	1471.9	1500.2	1613.2	1726.3	1613.2	1500.2	1471.9	1243.0	937.8	785.2	704.0
122.5°	1392.1	1420.0	1531.5	1643.1	1531.5	1420.0	1392.1	1186.1	911.3	773.8	700.2
125°	1286.7	1312.4	1415.1	1517.9	1415.1	1312.4	1286.7	1111.6	878.2	761.4	697.1
127.5°	1202.0	1223.7	1310.4	1397.1	1310.4	1223.7	1202.0	1051.7	851.2	751.0	695.2
130°	1148.6	1168.6	1248.7	1328.8	1248.7	1168.6	1148.6	1014.7	836.3	747.1	696.4
132.5°	1103.1	1120.9	1192.7	1264.4	1192.7	1120.9	1103.1	983.3	823.5	743.6	697.1
135°	1038.7	1054.2	1116.0	1177.7	1116.0	1054.2	1038.7	938.4	804.6	737.7	696.4
137.5°	991.1	1003.7	1054.4	1105.0	1054.4	1003.7	991.1	906.3	793.2	736.7	700.7
140°	953.0	964.9	1012.1	1059.5	1012.1	964.9	953.0	879.8	782.1	733.2	701.5
142.5°	926.3	936.4	977.1	1017.9	977.1	936.4	926.3	861.9	776.1	733.2	703.9
145°	886.2	893.9	924.7	955.5	924.7	893.9	886.2	833.5	763.3	728.2	703.9
147.5°	852.5	858.9	884.4	909.9	884.4	858.9	852.5	811.1	755.9	728.2	708.7
150°	833.2	838.4	859.1	879.8	859.1	838.4	833.2	798.2	751.6	728.2	711.3
152.5°	817.8	821.8	837.3	853.0	837.3	821.8	817.8	788.0	748.1	728.2	712.9
155°	799.6	802.2	812.5	822.8	812.5	802.2	799.6	775.8	744.1	728.2	716.6
157.5°	783.7	785.5	792.8	800.0	792.8	785.5	783.7	765.2	740.6	728.2	720.2
160°	775.8	776.8	781.0	785.2	781.0	776.8	775.8	759.9	738.8	728.2	721.8
162.5°	768.4	769.4	773.4	777.3	773.4	769.4	768.4	755.0	737.1	728.2	723.6
165°	756.9	758.0	762.2	766.4	762.2	758.0	756.9	747.4	734.6	728.2	726.1
167.5°	752.0	752.5	754.2	756.0	754.2	752.5	752.0	745.7	737.4	733.2	731.5
170°	752.0	752.0	752.0	752.0	752.0	752.0	752.0	745.7	737.4	733.2	733.1
172.5°	748.0	747.6	746.1	744.6	746.1	747.6	748.0	743.1	736.5	733.2	733.2
175°	742.6	742.6	742.6	742.6	742.6	742.6	742.6	739.4	735.3	733.2	734.2
177.5°	741.6	741.1	739.4	737.7	739.4	741.1	741.6	739.1	735.8	734.2	734.9
180°	737.7	737.7	737.7	737.7	737.7	737.7	737.7	737.7	737.7	737.7	737.7



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1010.8	1010.8	1010.8	1010.8	1010.8
2.5°	998.4	1003.1	1006.0	1009.8	1019.4
5°	960.1	978.3	984.0	998.4	1015.6
7.5°	876.0	931.4	946.7	981.1	1007.9
10°	794.7	850.2	876.9	958.2	998.4
12.5°	753.6	786.1	804.3	918.0	985.0
15°	727.8	750.7	764.1	864.5	969.7
17.5°	707.7	723.9	733.5	811.9	948.6
20°	695.2	702.9	711.5	773.7	924.7
22.5°	686.6	681.9	688.6	746.9	892.2
25°	680.9	662.7	670.4	725.8	854.0
27.5°	685.7	645.5	648.4	706.7	813.8
30°	686.6	624.5	625.4	686.6	768.9
32.5°	679.9	602.5	603.5	661.8	718.2
35°	663.7	576.7	575.7	633.1	649.4
37.5°	641.7	549.0	549.0	601.5	573.8
40°	614.9	521.2	524.1	560.4	506.9
42.5°	582.4	491.6	495.4	505.9	457.2
45°	547.0	462.9	465.8	427.5	418.9
47.5°	507.8	433.3	434.2	354.8	406.5
50°	461.0	402.7	398.8	304.1	405.5
52.5°	419.9	369.2	357.7	275.4	368.2
55°	379.7	333.7	308.9	253.4	341.5
57.5°	344.3	287.8	263.9	227.6	335.6
60°	311.7	242.9	224.7	199.8	307.9
62.5°	284.9	209.4	205.6	180.7	279.2
65°	256.3	186.5	185.5	164.5	237.1
67.5°	228.5	171.2	170.2	149.2	180.7
70°	198.9	154.9	153.0	132.9	133.9
72.5°	168.3	136.7	134.8	119.5	110.9
75°	137.7	115.7	114.7	104.2	89.9
77.5°	108.0	91.8	93.7	84.1	66.0
80°	77.5	66.9	68.8	60.2	49.7
82.5°	51.6	44.0	45.9	38.2	33.5
85°	28.7	24.9	25.8	20.1	15.3
87.5°	13.4	11.5	11.5	7.6	4.8
90°	21.8	13.9	12.9	8.9	5.0
92.5°	134.3	95.5	87.1	53.5	19.8
95°	330.6	186.2	170.8	109.1	47.5
97.5°	445.2	204.4	190.9	136.4	82.1
100°	487.0	219.8	207.5	158.2	108.9
102.5°	506.1	235.1	223.7	177.7	131.7
105°	520.4	258.0	248.2	209.3	170.3
107.5°	523.0	291.6	282.6	246.2	209.9
110°	519.0	310.4	302.2	269.5	236.7



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CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-4-6500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	519.1	333.1	325.3	294.1	262.9
115°	524.0	367.4	360.2	331.3	302.4
117.5°	533.7	400.5	394.0	367.8	341.6
120°	541.7	419.9	413.7	389.1	364.4
122.5°	553.1	442.6	436.4	411.5	386.7
125°	568.4	471.8	466.1	443.5	420.8
127.5°	583.7	500.0	494.3	471.4	448.6
130°	594.9	518.8	512.7	488.0	463.4
132.5°	604.0	534.2	528.1	503.4	478.8
135°	613.9	552.0	546.4	524.0	501.5
137.5°	628.7	574.8	569.2	546.9	524.8
140°	637.9	590.2	585.0	564.5	544.1
142.5°	645.4	601.5	596.8	577.8	558.9
145°	655.3	618.8	614.7	598.2	581.7
147.5°	669.8	640.6	636.6	620.6	604.5
150°	677.5	652.0	648.4	633.9	619.3
152.5°	682.4	659.5	656.7	645.7	634.7
155°	693.2	675.7	673.7	665.6	657.5
157.5°	704.1	692.1	690.1	682.2	674.3
160°	709.1	699.6	698.0	691.8	685.7
162.5°	714.4	707.5	706.3	701.7	697.1
165°	722.0	718.9	717.8	713.6	709.4
167.5°	727.9	725.3	724.8	722.8	720.9
170°	732.9	732.7	732.3	730.2	728.2
172.5°	733.2	733.2	733.1	732.6	732.3
175°	736.2	737.7	737.7	737.7	737.7
177.5°	736.6	737.7	737.7	737.7	737.7
180°	737.7	737.7	737.7	737.7	737.7



TEST NUMBER: P935536  
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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	11.05	11.79	12.12	12.87	14.33	13.85	14.59	14.92	15.66	17.13
	3H	11.52	12.18	12.60	13.27	14.75	15.17	15.84	16.26	16.92	18.40
	4H	11.70	12.33	12.80	13.42	14.91	15.60	16.24	16.70	17.32	18.81
	6H	11.82	12.40	12.92	13.48	14.99	15.88	16.46	16.98	17.54	19.05
	8H	11.81	12.37	12.92	13.47	14.97	15.94	16.50	17.05	17.60	19.09
	12H	11.78	12.31	12.89	13.40	14.92	15.97	16.50	17.08	17.60	19.11
4H	2H	12.06	12.69	13.16	13.78	15.27	14.24	14.88	15.34	15.96	17.45
	3H	13.07	13.60	14.18	14.71	16.21	15.73	16.25	16.83	17.37	18.87
	4H	13.35	13.83	14.46	14.93	16.45	16.24	16.73	17.36	17.83	19.35
	6H	13.46	13.88	14.58	15.00	16.52	16.59	17.01	17.71	18.13	19.65
	8H	13.47	13.85	14.59	14.97	16.50	16.69	17.08	17.81	18.20	19.73
	12H	13.43	13.78	14.57	14.91	16.44	16.74	17.09	17.88	18.22	19.75
8H	4H	13.79	14.17	14.90	15.29	16.82	16.36	16.75	17.48	17.86	19.39
	6H	14.04	14.36	15.18	15.52	17.05	16.78	17.10	17.92	18.26	19.79
	8H	14.08	14.36	15.23	15.50	17.05	16.93	17.21	18.08	18.35	19.90
	12H	14.06	14.31	15.21	15.44	17.03	17.02	17.26	18.17	18.40	19.98
12H	4H	13.78	14.13	14.92	15.26	16.80	16.32	16.67	17.45	17.80	19.33
	6H	14.10	14.38	15.25	15.52	17.07	16.78	17.06	17.93	18.20	19.75
	8H	14.16	14.41	15.31	15.54	17.13	16.93	17.18	18.08	18.31	19.90