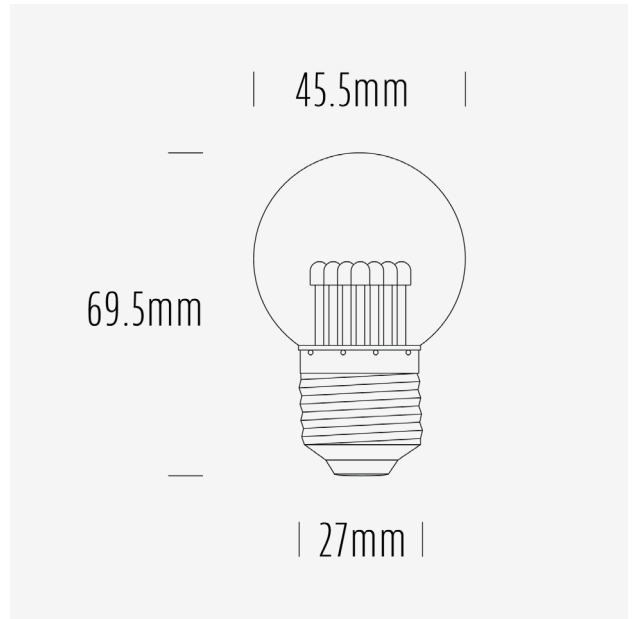


AGL G Series

E27 LED Globes



AQF-G-002-2200K / 2200K / E27



Product Data

Product Code	AQF-G-002-2200K
Description	Aqualux G Series LED Lamp
Type	E27
Construction	PET Shell + LED + Aluminium Base
Warranty	3 Years

Electrical Data

Input Voltage Range	24V AC/DC		
Nominal Voltage	24VDC		
Nominal Power	0.5W		
Nominal Current	21mA		
Input Voltage	-	-	24VDC 24VAC
Rated Power	-	-	0.4 0.5
Operating Frequency	-	-	- 50Hz
Max. no. of lamps on AQD24-040	-	-	-
Max. no. of lamps on AQD24-100	-	-	-
Max. no. of lamps on AQD24-240	-	-	-
Dimming Compatibility	PWM (PSU dependant)		
Wiring Scheme	Parallel		
Startup Time	< 0.5s		

Mechanical & Thermal Data

Overall Length	69.5mm
Max Diameter	45.5mm
Lamp Base	E27
Weight	12g
Operating Temp Range	-20° - 60°
IP Rating	IP20

Photometric Data

Nominal Flux (lm)	40
Input Voltage	- - 24VDC 24VAC
Input Power (W)	- - 0.4 0.5
Rated Flux (lm)	- - 32 36
Efficacy (lm/W)	- - 92 70
CCT	2200K
CCT Description	Warm White
CRI (Ra)	93
CRI (R9)	57
TM-30 (Rf)	92
TM-30 (Rg)	97
SDCM	-
Peak Intensity (cd)	7.9
Nominal Beam Angle	-
Measured Beam Angle (FWHM)	127°

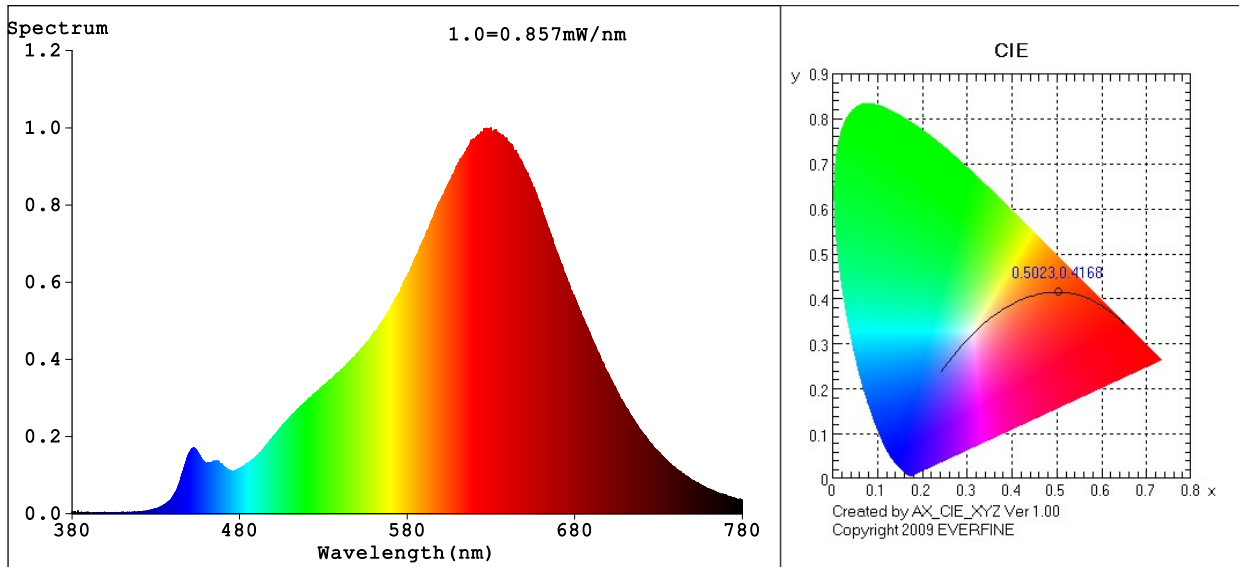
Lifespan Data

L70	100,000h
Switching Cycles	100,000

Compliance Data

EMI	Yes
RCM	N/A
Mercury Content	0mg

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.5023$ $y=0.4168$ / $u'=0.2871$ $v'=0.5361$
 CCT=2244K (Duv=0.0005) Dominant WL:Ld =586.8nm WL:Lc = --nm Purity=75.9%
 Ratio:R=31.1% G=67.1% B=1.8%; Peak WL:Lp=629.8nm FWHM=120.4nm
 Render Index:Ra=92.9 AvgR=90.9 TM30:Rf=92 Rg=97

R1 =93 R2 =98 R3 =98 R4 =93 R5 =94 R6 =98 R7 =90
 R8 =79 R9 =57 R10=95 R11=96 R12=91 R13=95 R14=99 R15=87

Photo Parameters:

Flux = 32.30 lm Eff. : 91.84 lm/W Fe = 122.5 mW

Electrical parameters:

V = 24.005 V I = 0.01465 A P = 0.3517 W PF = 1.0000

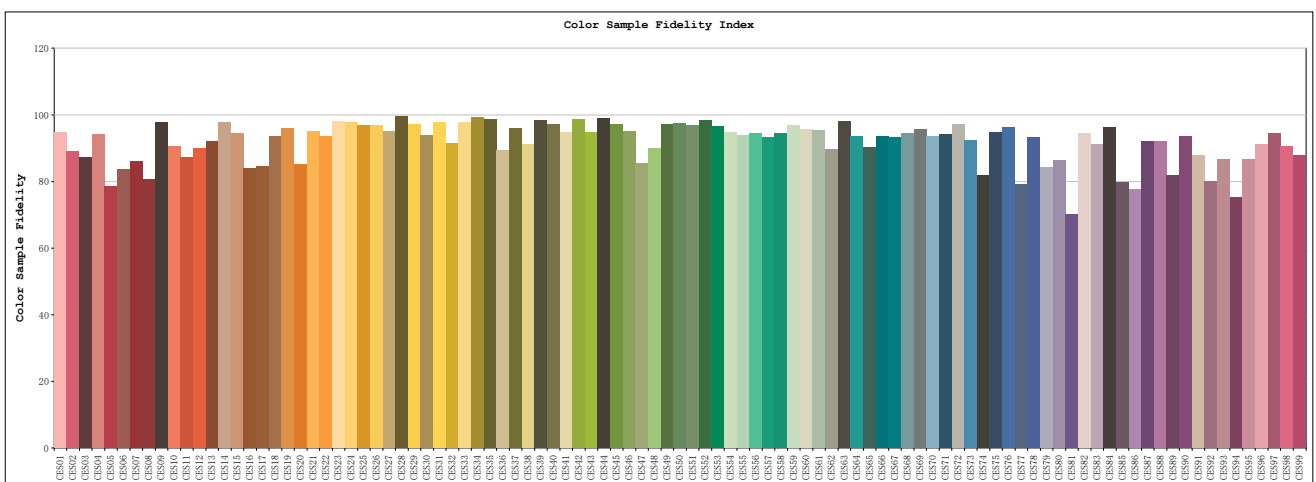
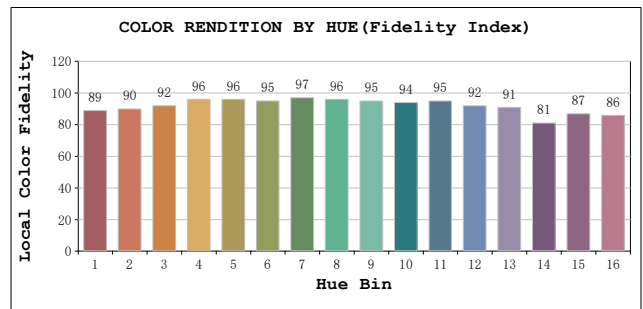
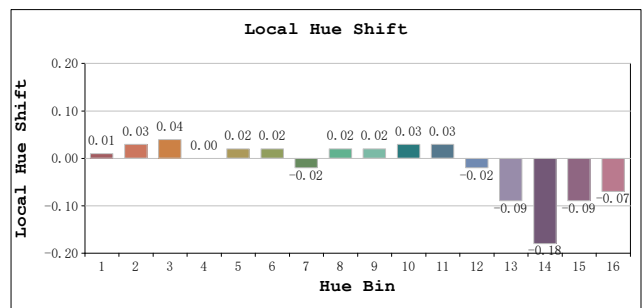
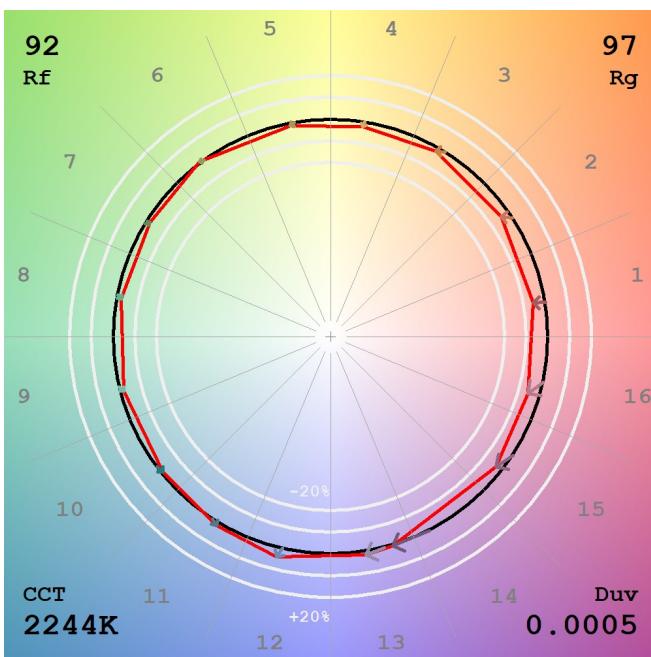
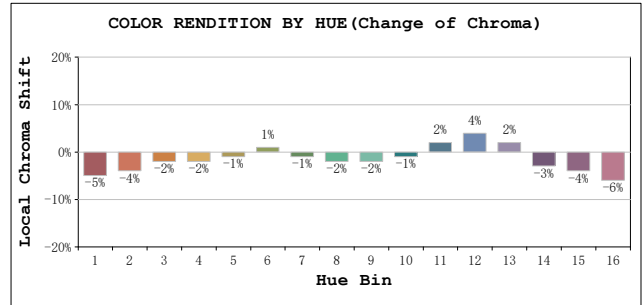
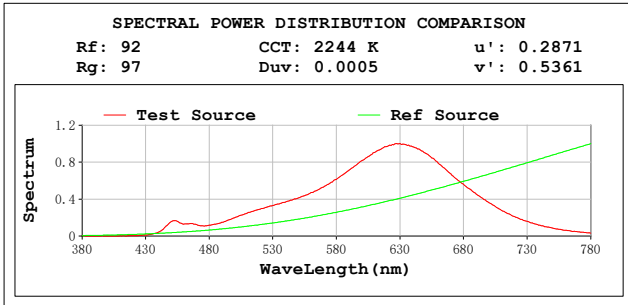
LEVEL:OUT WHITE:EXT_2200K

Status: Integral T = 3479 ms Ip = 46091 (70%)

GBT5702

TM30

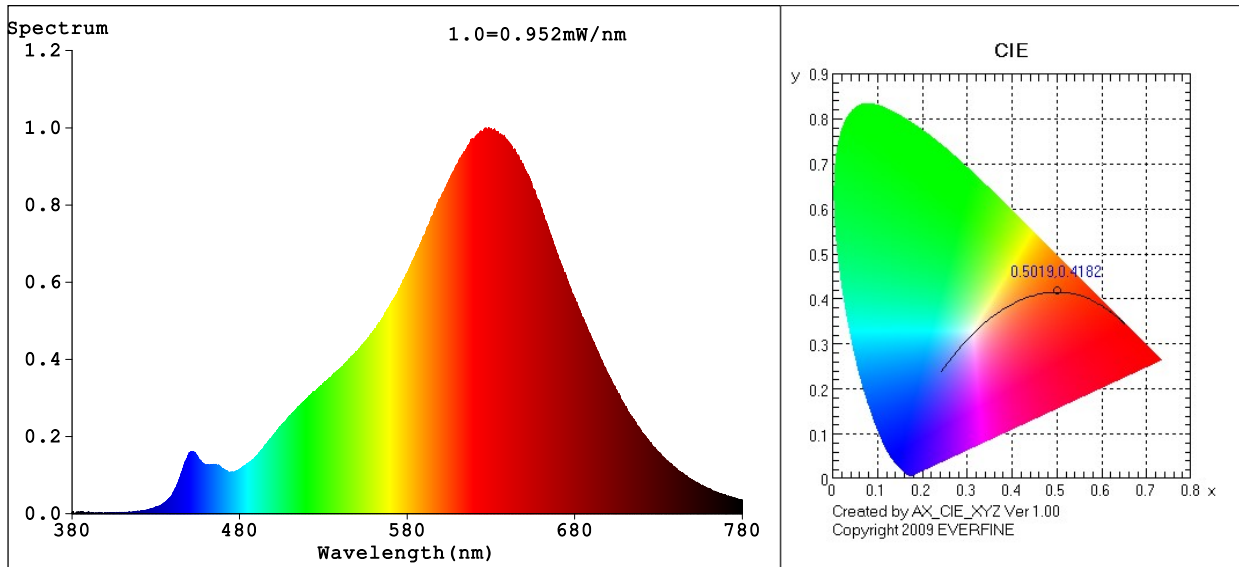
View Angle:2 Deg



Model:AQF-G-002-2200K
 Tester:EC
 Temperature:25.3Deg
 Manufacturer:AQUALUX

Number:AQF-G-002-2200K 24V DC
 Date:2023-10-23 15:45:51
 Humidity:65.0%
 Remarks:24VDC

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.5019$ $y=0.4182$ / $u'=0.2862$ $v'=0.5366$
 CCT=2257K (Duv=0.0009) Dominant WL:Ld =586.6nm WL:Lc = --nm Purity=76.2%
 Ratio:R=30.9% G=67.4% B=1.8%; Peak WL:Lp=628.6nm FWHM=121.1nm
 Render Index:Ra=92.7 AvgR=90.5 TM30:Rf=92 Rg=97

R1 =93 R2 =97 R3 =99 R4 =93 R5 =93 R6 =98 R7 =90
 R8 =78 R9 =56 R10=93 R11=96 R12=91 R13=94 R14=99 R15=87

Photo Parameters:

Flux = 36.23 lm Eff. : 70.41 lm/W Fe = 136.6 mW

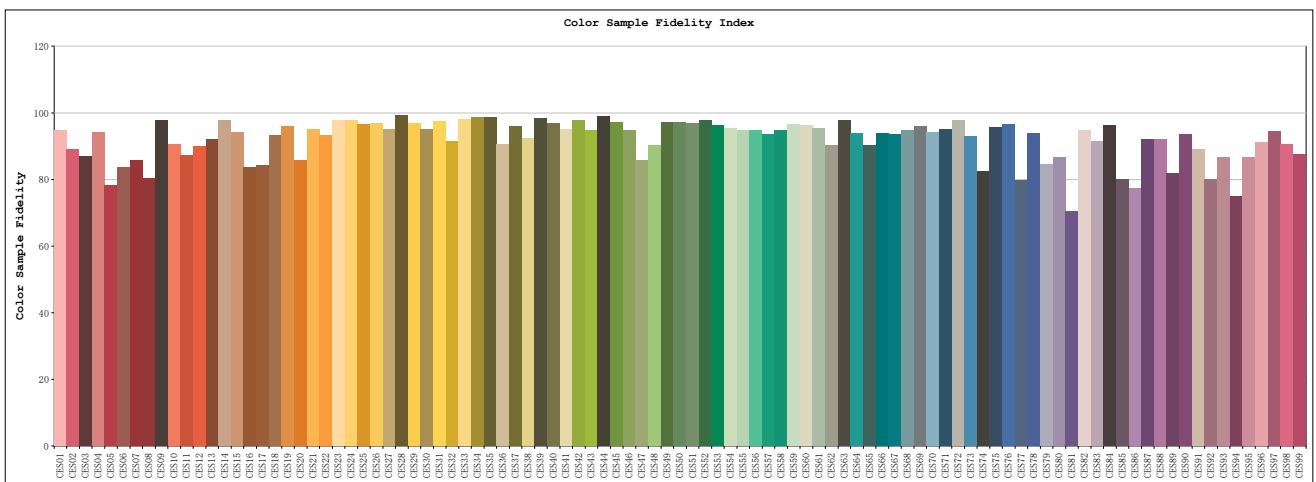
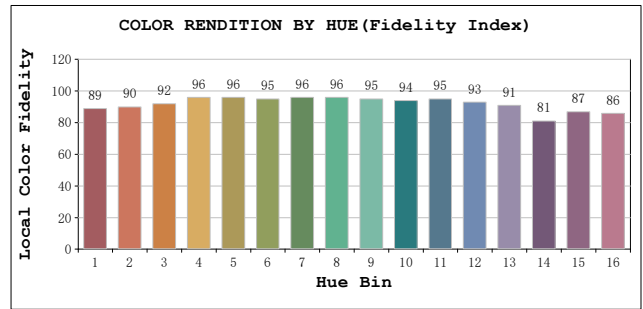
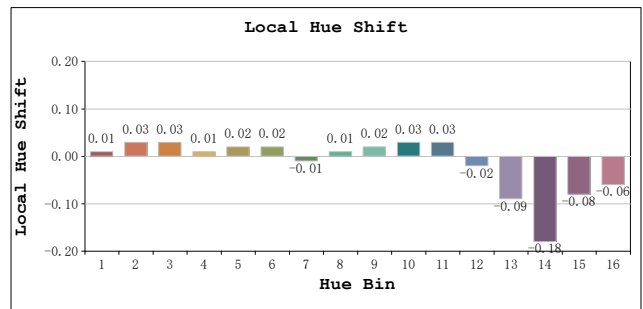
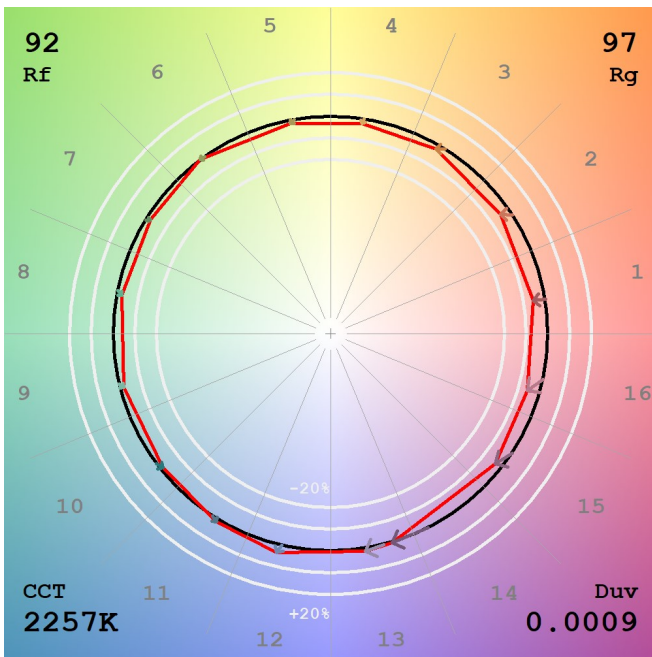
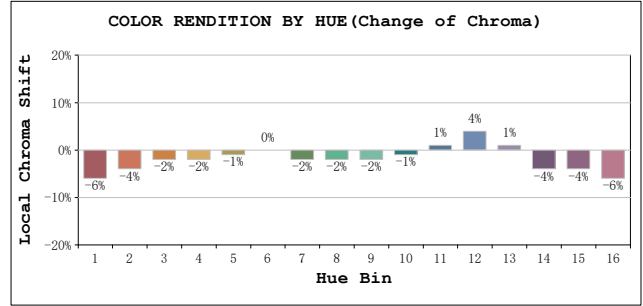
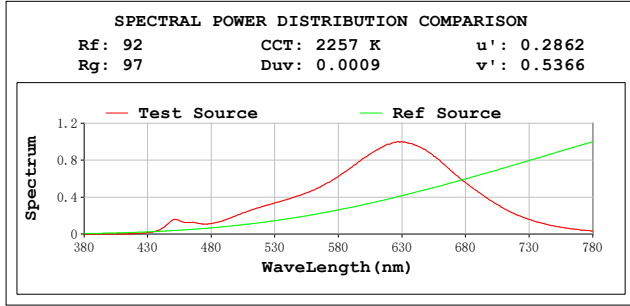
Electrical parameters:

V = 23.998 V I = 0.02332 A P = 0.5145 W PF = 0.9194
 LEVEL:OUT WHITE:EXT_2200K
 Status: Integral T = 3361 ms Ip = 49456 (75%)

GBT5702

TM30

View Angle: 2 Deg



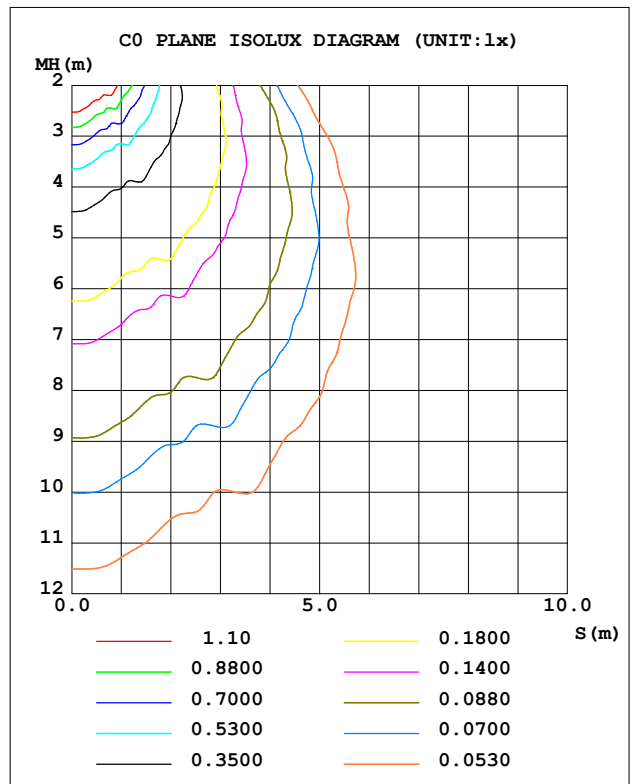
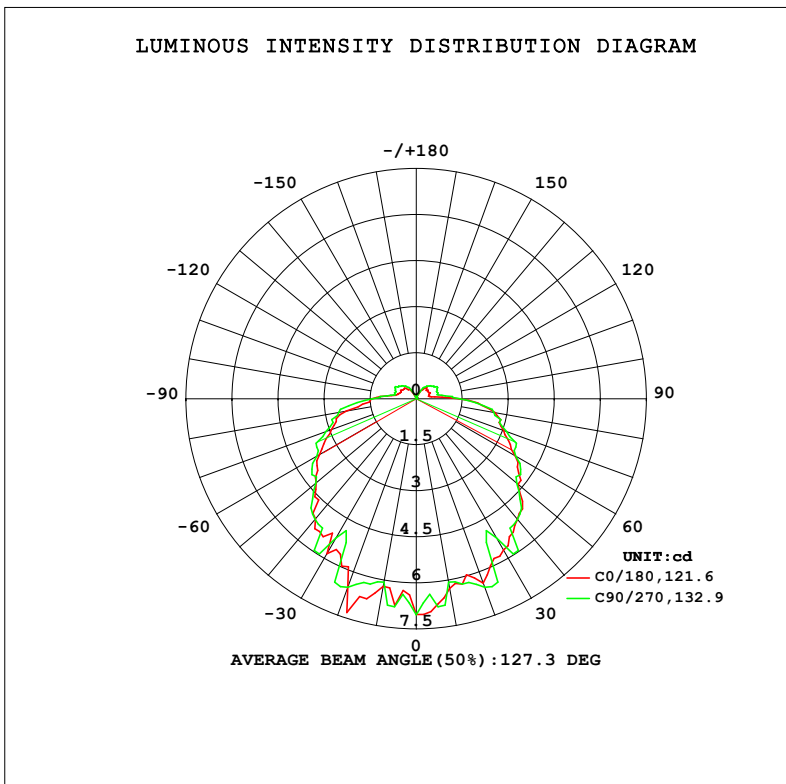
Model:AQF-G-002-2200K
 Tester:EC
 Temperature:25.3Deg
 Manufacturer:AQUALUX

Number:AQF-G-002-2200K 24V AC
 Date:2023-10-23 15:51:01
 Humidity:65.0%
 Remarks:24VAC

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.991V I:0.0148A P:0.3541W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:28.2412x1 lm		
NAME: AQF-G-002-2200K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			Eff: 79.75 lm/W
MODEL		I _{max} (cd)	7.862	S/MH (C0/180)	1.20
NOMINAL POWER (W)	0.5	LOR (%)	100.0	S/MH (C90/270)	1.01
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	28.241	η UP, DN (C0-180)	6.6, 43.4
NOMINAL FLUX (lm)	28.2412	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	6.8, 43.2
LAMPS INSIDE	1	η up (%)	13.4	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	24	η down (%)	86.6	CIBSE SHR MAX	1.35



C Range: 0 - 180DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 20°C
 Operators: ELAINE
 Test Date: 23 October 2023

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity: 65.0%
 Test Distance: 3.100m [K=1.0000]
 Remarks: AQF-G-002-2200K
 0.5W / 2200K
 24V DC

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

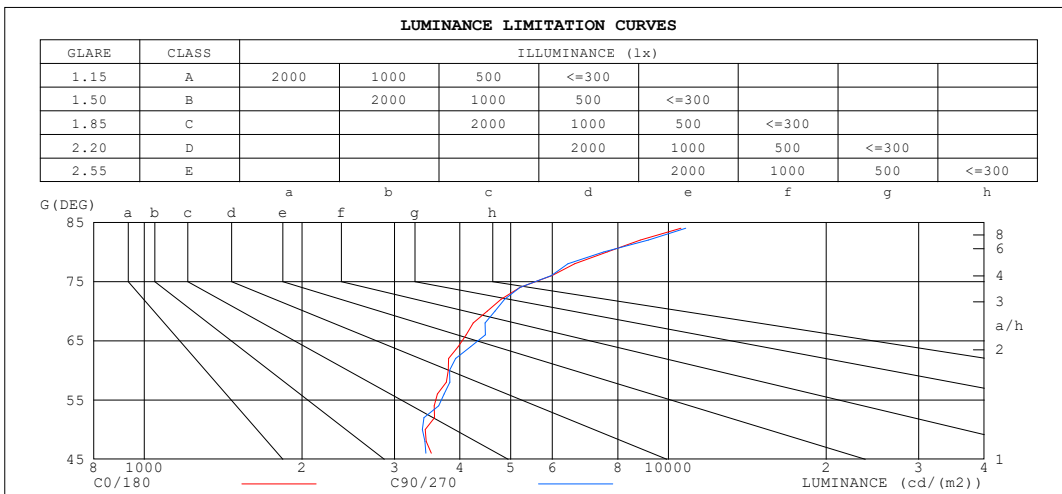
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	∅ zone	∅ total	%lum, lamp
10	6.278	6.986	6.069	6.720	6.209	6.720	6.069	6.986	0- 10	0.6368	0.6368	2.25,2.25
20	6.394	6.038	6.535	6.173	6.525	6.173	6.535	6.038	10- 20	1.838	2.475	8.76,8.76
30	5.689	5.897	5.243	5.944	5.828	5.944	5.243	5.897	20- 30	2.808	5.283	18.7,18.7
40	5.137	5.414	5.137	5.695	5.108	5.695	5.137	5.414	30- 40	3.464	8.747	31,31
50	4.332	4.433	4.279	4.138	4.259	4.138	4.279	4.433	40- 50	3.737	12.48	44.2,44.2
60	3.727	3.739	3.753	3.398	3.635	3.398	3.753	3.739	50- 60	3.545	16.03	56.8,56.8
70	3.027	3.021	3.134	2.933	2.938	2.933	3.134	3.021	60- 70	3.327	19.36	68.5,68.5
80	2.604	2.614	2.565	2.220	2.316	2.220	2.565	2.614	70- 80	2.874	22.23	78.7,78.7
90	1.398	1.392	1.436	2.012	1.455	2.012	1.436	1.392	80- 90	2.231	24.46	86.6,86.6
100	0.4444	0.5405	0.7301	0.8885	0.6842	0.8885	0.7301	0.5405	90-100	1.115	25.57	90.6,90.6
110	0.4647	0.5238	0.7078	0.6674	0.5659	0.6674	0.7078	0.5238	100-110	0.6929	26.27	93,93
120	0.4584	0.6204	0.7923	0.5889	0.5742	0.5889	0.7923	0.6204	110-120	0.6265	26.89	95.2,95.2
130	0.4350	0.6369	0.6477	0.5791	0.5084	0.5791	0.6477	0.6369	120-130	0.5521	27.45	97.2,97.2
140	0.4714	0.5817	0.5473	0.4378	0.3895	0.4378	0.5473	0.5817	130-140	0.4303	27.88	98.7,98.7
150	0.3107	0.3805	0.3577	0.2685	0.1817	0.2685	0.3577	0.3805	140-150	0.2655	28.14	99.6,99.6
160	0.0551	0.0559	0.0528	0.0536	0.0512	0.0536	0.0528	0.0559	150-160	0.0802	28.22	99.9,99.9
170	0.0488	0.0484	0.0476	0.0456	0.0444	0.0456	0.0476	0.0484	160-170	0.0142	28.24	100,100
180	0.0551	0.0527	0.0519	0.0543	0.0508	0.0543	0.0519	0.0527	170-180	0.0046	28.24	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 180DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:ELAINE
 Test Date:23 October 2023

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AQF-G-002-2200K
 0.5W / 2200K
 24V DC

LUMINANCE LIMITATION CURVES

Test:U:23.991V I:0.0148A P:0.3541W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:28.2412x1 lm		
NAME: AQF-G-002-2200K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	12658	12939
80	7639	7526
75	5545	5547
70	4509	4668
65	4115	4348
60	3798	3823
55	3662	3733
50	3433	3391
45	3594	3565

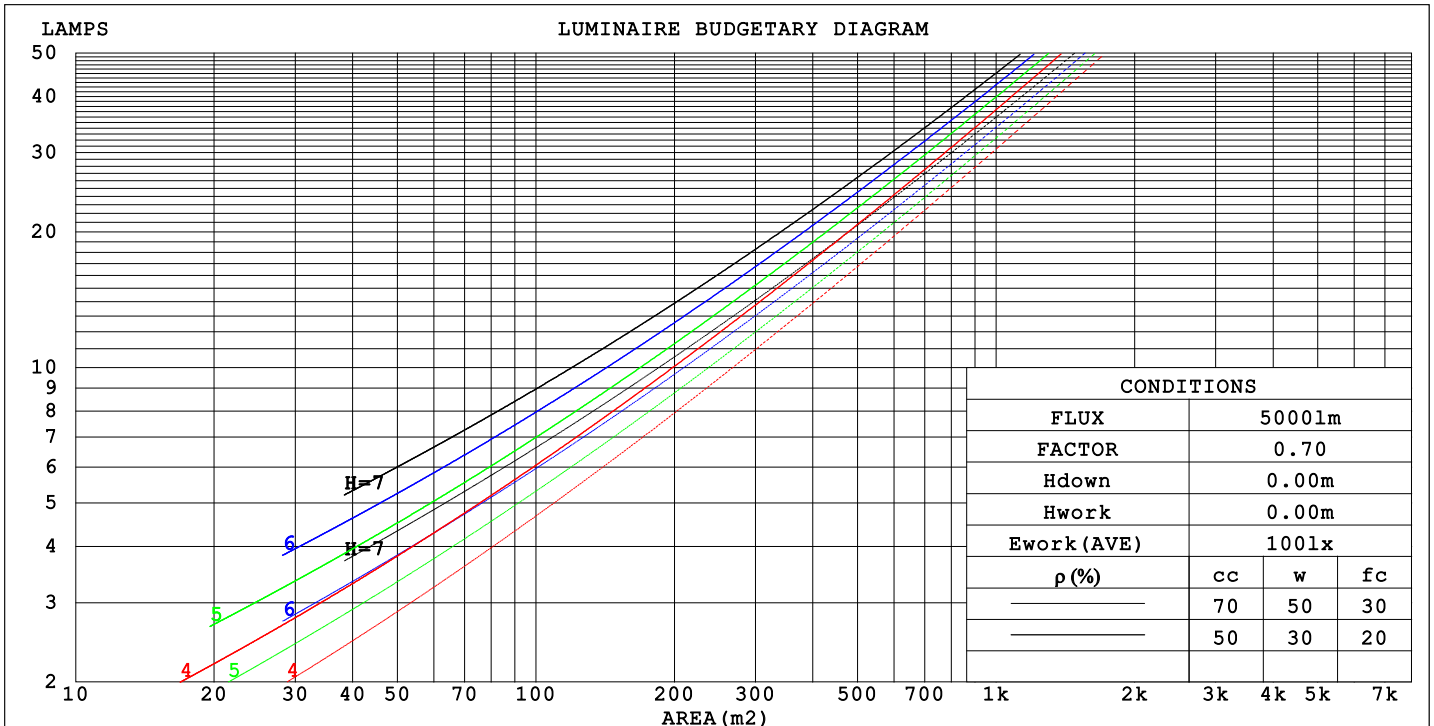
C Range: 0 - 180DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 20°C
 Operators: ELAINE
 Test Date: 23 October 2023

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity: 65.0%
 Test Distance: 3.100m [K=1.0000]
 Remarks: AQF-G-002-2200K
 0.5W / 2200K
 24V DC

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.991V I:0.0148A P:0.3541W PF:1.0000 Freq:0Hz		
UTHdi:0.00% ITHdi:0.00% KDisp:0 Lamp Flux:28.2412x1 lm		
NAME: AQF-G-002-2200K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	
pw																
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Coefficients of Utilization(CU)															
0.0	1.16	1.16	1.16	1.12	1.12	1.12	1.04	1.04	1.04	.96	.96	.96	.90	.90	.90	.87
1.0	.96	.91	.86	.93	.88	.83	.86	.82	.78	.80	.76	.73	.74	.71	.69	.66
2.0	.82	.74	.68	.79	.72	.66	.73	.67	.62	.68	.63	.59	.63	.59	.56	.52
3.0	.72	.62	.55	.69	.60	.54	.64	.57	.51	.59	.53	.48	.55	.50	.46	.43
4.0	.63	.53	.46	.61	.52	.45	.56	.49	.43	.52	.46	.41	.49	.43	.39	.36
5.0	.56	.46	.39	.54	.45	.38	.50	.43	.37	.47	.40	.35	.44	.38	.33	.31
6.0	.50	.41	.34	.48	.40	.33	.45	.38	.32	.42	.36	.30	.39	.34	.29	.27
7.0	.45	.36	.30	.44	.35	.29	.41	.33	.28	.38	.32	.27	.36	.30	.26	.23
8.0	.41	.32	.26	.40	.32	.26	.37	.30	.25	.35	.29	.24	.33	.27	.23	.21
9.0	.38	.29	.23	.37	.29	.23	.34	.27	.22	.32	.26	.21	.30	.25	.21	.19
10.0	.35	.27	.21	.34	.26	.21	.32	.25	.20	.30	.24	.19	.28	.23	.19	.17



C Range: 0 - 180DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:ELAINE
 Test Date:23 October 2023

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AQF-G-002-2200K
 0.5W / 2200K
 24V DC

WEC AND CCEC

Test:U:23.991V I:0.0148A P:0.3541W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:28.2412x1 lm		
NAME: AQF-G-002-2200K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.392	.223	.071	.380	.217	.069	.359	.206	.066	.340	.196	.063	.322	.186	.060	
2.0	.338	.185	.057	.328	.180	.056	.309	.172	.053	.291	.163	.051	.275	.155	.049	
3.0	.299	.159	.048	.290	.155	.047	.273	.148	.045	.257	.141	.043	.242	.134	.042	
4.0	.269	.140	.041	.261	.137	.040	.245	.130	.039	.231	.124	.037	.217	.118	.036	
5.0	.244	.125	.036	.237	.122	.035	.223	.116	.034	.210	.111	.033	.197	.105	.032	
6.0	.224	.112	.032	.217	.110	.032	.204	.105	.030	.192	.100	.029	.181	.095	.028	
7.0	.206	.102	.029	.200	.100	.028	.188	.095	.027	.178	.091	.026	.167	.087	.026	
8.0	.191	.093	.026	.186	.091	.026	.175	.087	.025	.165	.084	.024	.156	.080	.023	
9.0	.178	.086	.024	.173	.084	.024	.163	.081	.023	.154	.077	.022	.145	.074	.021	
10.0	.167	.080	.022	.162	.078	.022	.153	.075	.021	.144	.072	.020	.136	.069	.020	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.292	.292	.292	.250	.250	.250	.171	.171	.171	.098	.098	.098	.031	.031	.031	
1.0	.289	.258	.231	.247	.222	.199	.169	.152	.137	.097	.088	.080	.031	.028	.026	
2.0	.282	.235	.196	.241	.202	.169	.165	.140	.118	.095	.081	.069	.031	.026	.023	
3.0	.274	.219	.174	.235	.189	.151	.161	.131	.106	.093	.077	.062	.030	.025	.020	
4.0	.266	.206	.160	.229	.178	.139	.157	.124	.098	.091	.073	.058	.029	.024	.019	
5.0	.258	.196	.150	.222	.170	.130	.153	.119	.092	.089	.070	.055	.029	.023	.018	
6.0	.251	.188	.143	.216	.163	.124	.149	.114	.088	.086	.067	.052	.028	.022	.017	
7.0	.244	.181	.138	.210	.157	.120	.145	.110	.085	.084	.065	.051	.027	.021	.017	
8.0	.237	.176	.134	.204	.152	.117	.141	.107	.083	.082	.063	.049	.027	.021	.016	
9.0	.231	.171	.131	.199	.148	.114	.138	.104	.081	.080	.062	.048	.026	.020	.016	
10.0	.225	.167	.128	.194	.145	.112	.134	.102	.079	.078	.060	.047	.025	.020	.016	

C Range: 0 - 180DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:ELAINE
 Test Date:23 October 2023

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AQF-G-002-2200K
 0.5W / 2200K
 24V DC

UGR(Unified Glare Rating) Table

Test:U:23.991V I:0.0148A P:0.3541W PF:1.0000 Freq:0Hz										
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:28.2412x1 lm										
NAME: AQF-G-002-2200K					TYPE: E27 GLOBE			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.: -		
MFR.: AQUALUX					SUR.:			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working 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	28.8	30.3	29.3	30.7	31.2	28.8	30.2	29.2	30.6	31.1
3H	31.1	32.4	31.6	32.9	33.4	31.2	32.5	31.7	33.0	33.5
4H	32.5	33.7	33.0	34.2	34.8	32.5	33.8	33.0	34.3	34.8
6H	34.1	35.3	34.6	35.8	36.3	34.0	35.2	34.6	35.7	36.3
8H	34.8	36.0	35.4	36.5	37.1	34.9	36.1	35.4	36.6	37.2
12H	35.7	36.8	36.2	37.4	37.9	35.7	36.9	36.3	37.4	38.0
4H 2H	29.6	30.9	30.1	31.4	31.9	29.6	30.8	30.1	31.3	31.9
3H	32.1	33.2	32.6	33.8	34.3	32.1	33.2	32.7	33.8	34.4
4H	33.7	34.7	34.2	35.2	35.9	33.7	34.7	34.2	35.2	35.9
6H	35.5	36.4	36.1	37.0	37.6	35.4	36.4	36.0	36.9	37.6
8H	36.4	37.2	37.0	37.8	38.5	36.4	37.3	37.0	37.9	38.6
12H	37.3	38.1	38.0	38.7	39.4	37.4	38.2	38.0	38.8	39.5
8H 4H	34.3	35.2	34.9	35.8	36.4	34.3	35.2	34.9	35.8	36.4
6H	36.4	37.1	37.0	37.8	38.5	36.4	37.1	37.0	37.8	38.5
8H	37.5	38.2	38.2	38.8	39.5	37.6	38.3	38.3	38.9	39.6
12H	38.7	39.2	39.3	39.9	40.7	38.8	39.4	39.4	40.0	40.8
12H 4H	34.5	35.3	35.1	35.9	36.6	34.5	35.3	35.1	35.9	36.6
6H	36.7	37.3	37.3	38.0	38.7	36.7	37.3	37.3	38.0	38.7
8H	37.9	38.5	38.6	39.1	39.9	38.0	38.6	38.7	39.2	40.0
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
2.0H	+ 0.2 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117, 28.24 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -12.4)
 Area: 0.001963 m2

C Range: 0 - 180DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:ELAINE
 Test Date:23 October 2023

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AQF-G-002-2200K
 0.5W / 2200K
 24V DC

UTILIZATION FACTORS TABLE

Test:U:23.991V I:0.0148A P:0.3541W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:28.2412x1 lm		
NAME: AQF-G-002-2200K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:

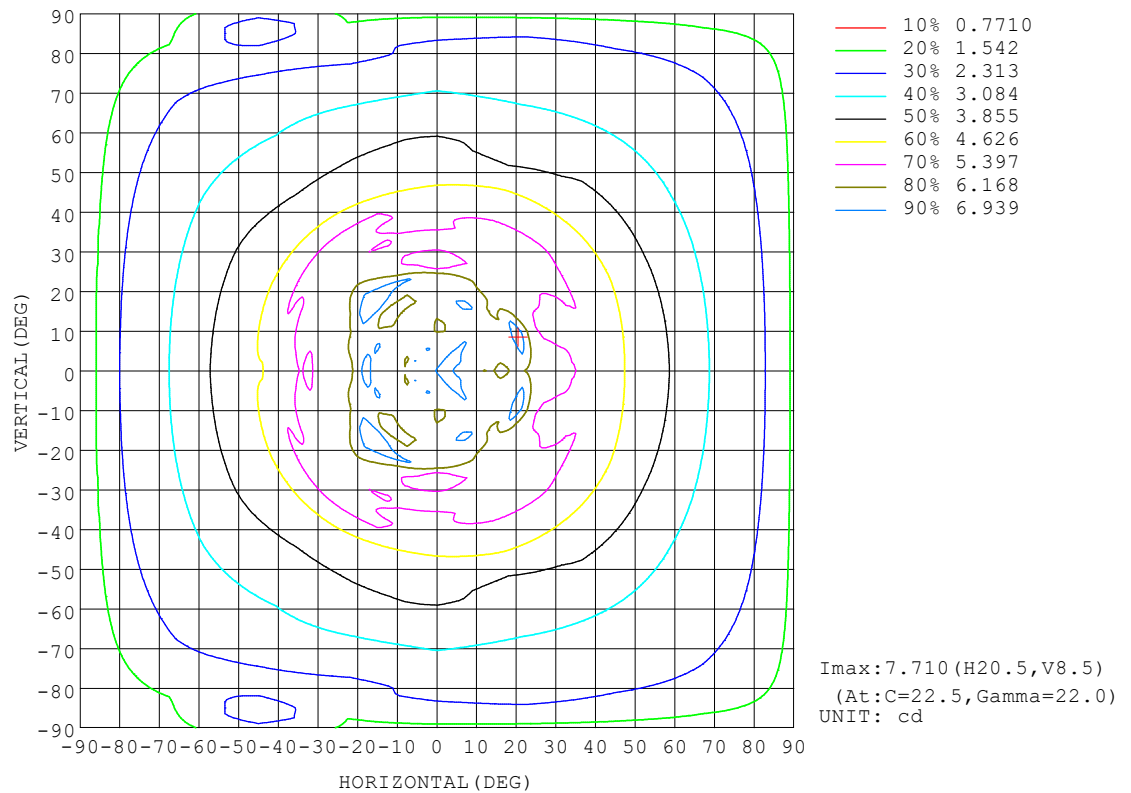
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	50	37	30	48	37	30	47	36	29	22
0.80	59	46	38	57	45	37	55	44	37	29
1.00	66	54	45	65	53	45	61	53	44	35
1.25	73	61	52	71	60	52	67	57	50	41
1.50	78	66	58	76	65	57	71	62	55	45
2.00	85	75	66	83	73	65	77	69	63	52
2.50	90	80	72	87	78	71	81	74	67	56
3.00	94	84	77	90	82	75	84	77	72	59
4.00	98	90	84	95	88	82	88	82	78	64
5.00	101	94	89	97	91	86	91	86	81	68
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 180DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:ELAINE
 Test Date:23 October 2023

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AQF-G-002-2200K
 0.5W / 2200K
 24V DC

ISOCANDELA DIAGRAM

Test:U:23.991V I:0.0148A P:0.3541W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:28.2412x1 lm		
NAME: AQF-G-002-2200K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:

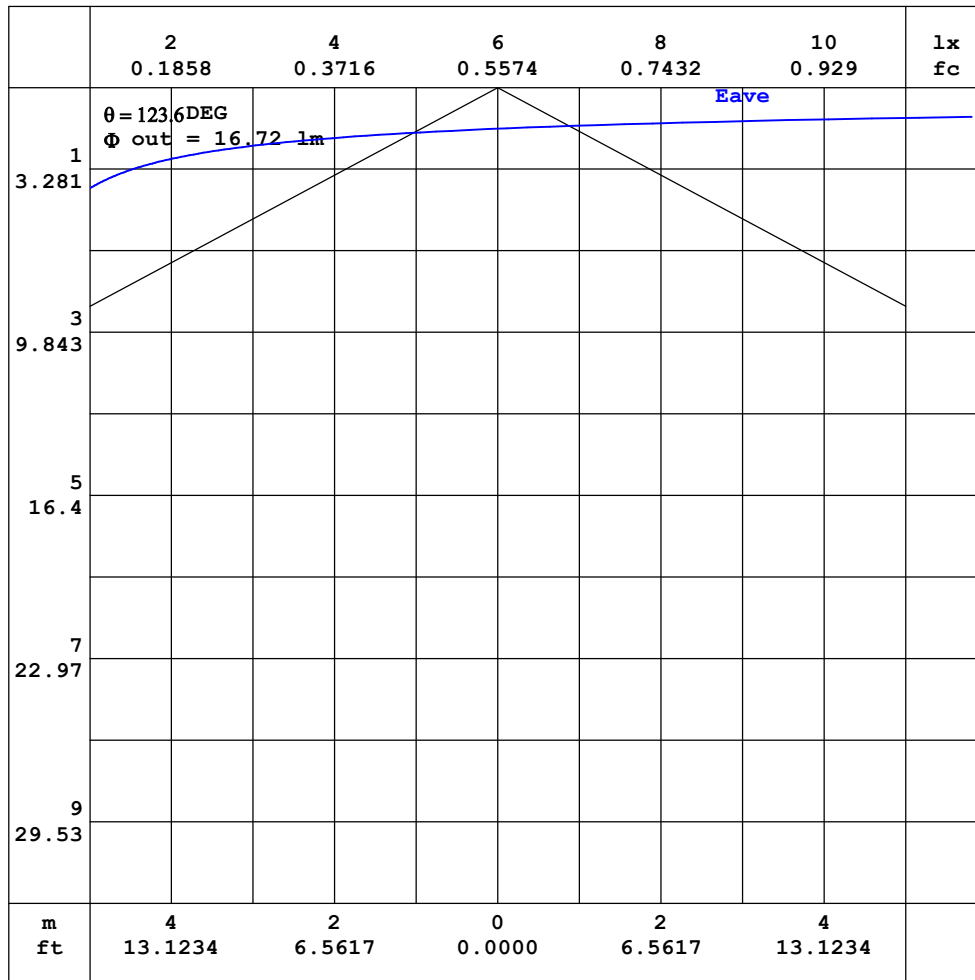


C Range: 0 - 180DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:ELAINE
 Test Date:23 October 2023

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AQF-G-002-2200K
 0.5W / 2200K
 24V DC

AAI CURVES

Test:U:23.991V I:0.0148A P:0.3541W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:28.2412x1 lm		
NAME: AQF-G-002-2200K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:



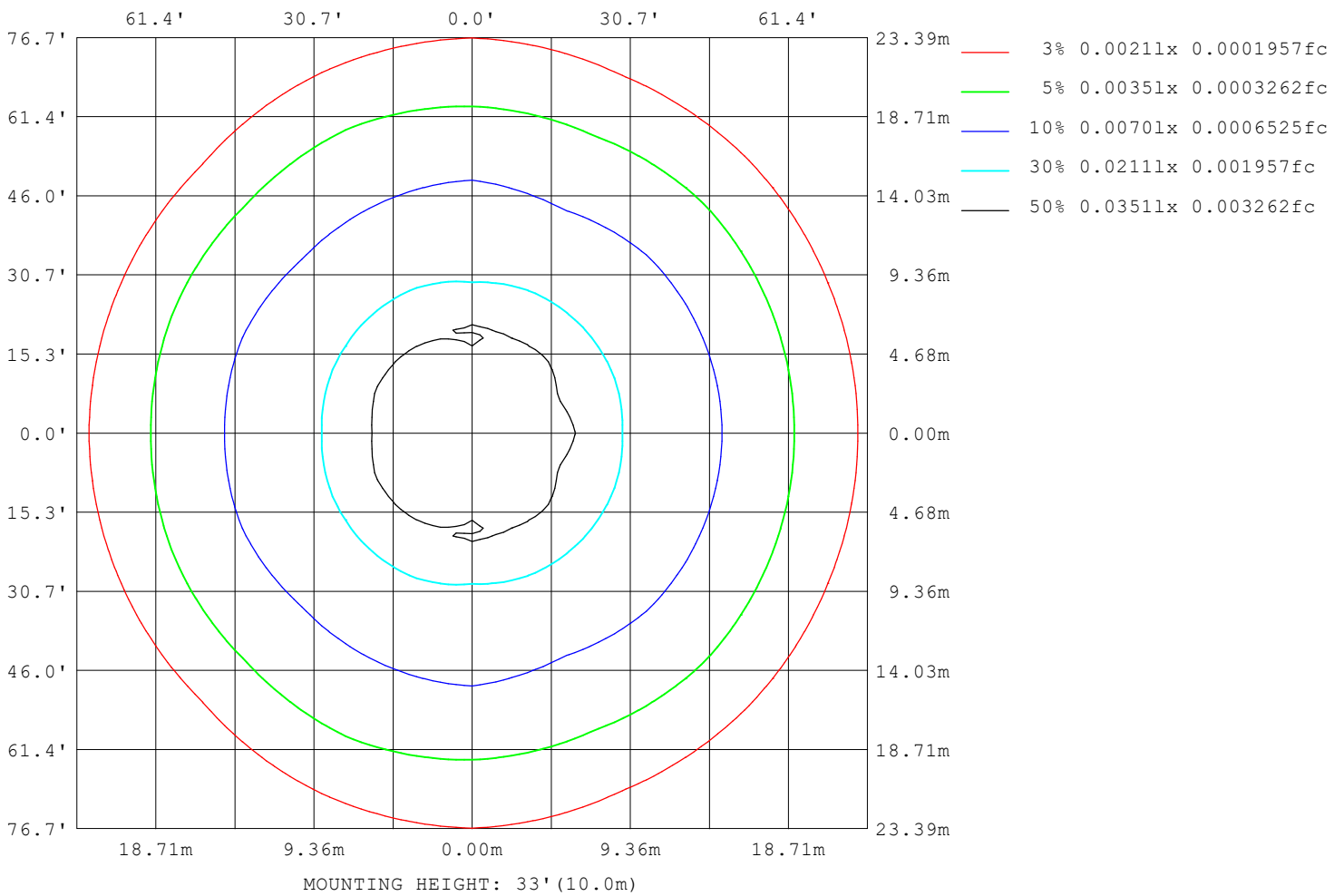
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 180DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 20°C
 Operators: ELAINE
 Test Date: 23 October 2023

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity: 65.0%
 Test Distance: 3.100m [K=1.0000]
 Remarks: AQF-G-002-2200K
 0.5W / 2200K
 24V DC

ISOLUX DIAGRAM

Test:U:23.991V I:0.0148A P:0.3541W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:28.2412x1 lm		
NAME: AQF-G-002-2200K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:



C Range: 0 - 180DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:ELAINE
 Test Date:23 October 2023

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AQF-G-002-2200K
 0.5W / 2200K
 24V DC

LED Avg.L Report

Test:U:23.991V I:0.0148A P:0.3541W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:28.2412x1 lm		
NAME: AQF-G-002-2200K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:

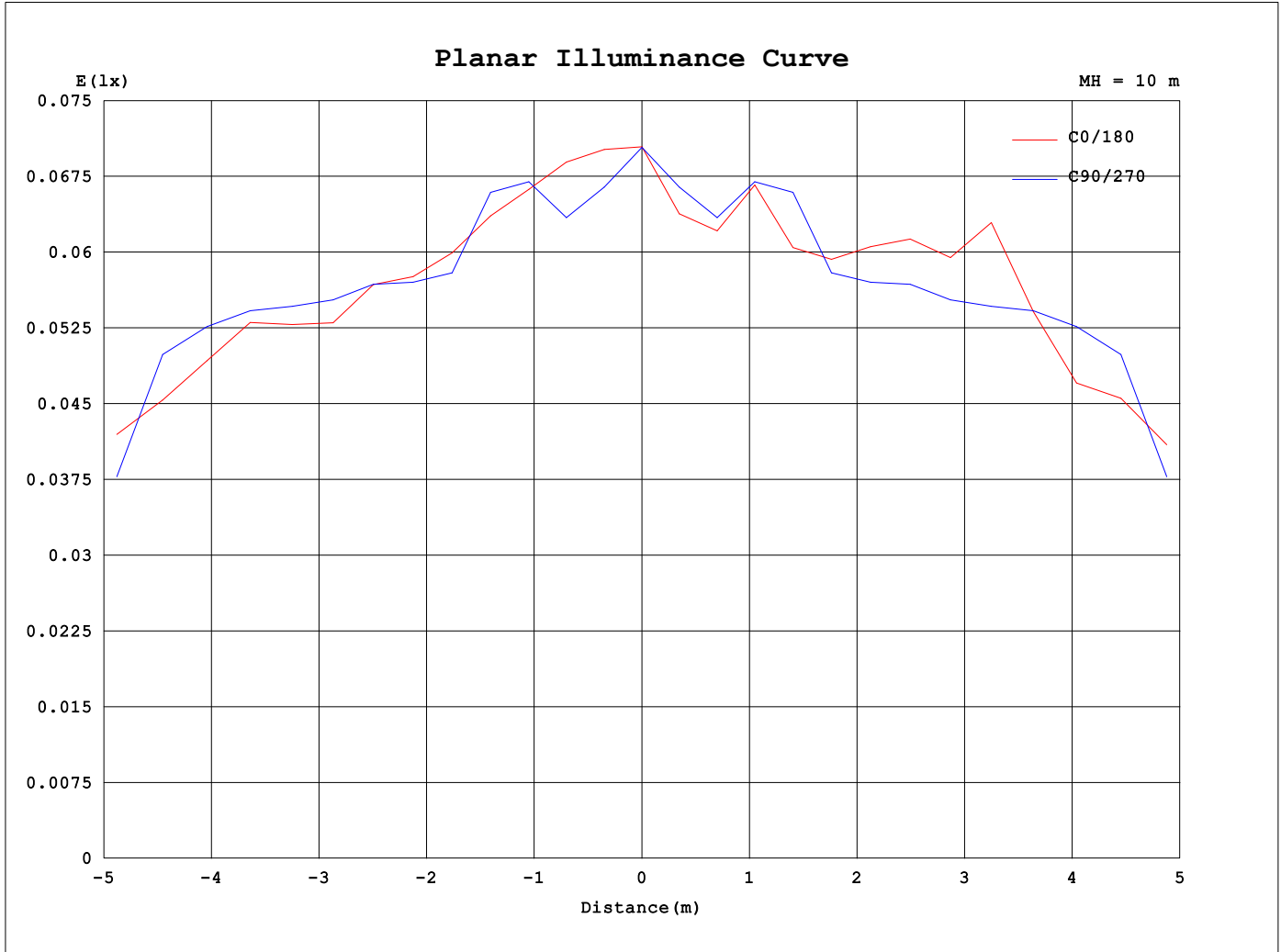
AvgL	cd/m2
L_0~180 (65) av	4004
L_0~180 (75) av	5450
L_0~180 (85) av	10903
L_90~270 (65) av	4349
L_90~270 (75) av	5575
L_90~270 (85) av	12129
L_45 (65) av	4005
L_45 (75) av	5232
L_45 (85) av	13640

Standard: GB/T 29293-2012

C Range: 0 - 180DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:ELAINE
 Test Date:23 October 2023

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AQF-G-002-2200K
 0.5W / 2200K
 24V DC

Planar Illuminance Curve



C Range: 0 - 180DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 20°C
 Operators: ELAINE
 Test Date: 23 October 2023

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity: 65.0%
 Test Distance: 3.100m [K=1.0000]
 Remarks: AQF-G-002-2200K
 0.5W / 2200K
 24V DC

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.991V I:0.0148A P:0.3541W PF:1.0000 Freq:0Hz		
UTHdi:0.00% ITHdi:0.00% KDisp:0 Lamp Flux:28.2412x1 lm		
NAME: AQF-G-002-2200K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	7.02	7.03	7.03	7.04	7.04	7.04	7.04	7.04	7.04	7.04	7.04	7.04	7.04	7.04	7.03	7.03			
5	6.94	7.02	7.10	6.75	6.39	6.69	6.87	6.72	6.26	6.72	6.87	6.69	6.39	6.75	7.10	7.02			
10	6.28	6.58	6.99	6.26	6.07	6.72	6.72	6.55	6.21	6.55	6.72	6.72	6.07	6.26	6.99	6.58			
15	6.22	6.54	6.70	6.48	6.22	6.54	6.70	6.43	6.71	6.43	6.70	6.54	6.22	6.48	6.70	6.54			
20	6.39	6.43	6.04	6.54	6.53	6.14	6.17	6.67	6.52	6.67	6.17	6.14	6.53	6.54	6.04	6.43			
25	5.95	6.47	5.67	6.18	6.54	7.15	7.66	6.07	5.97	6.07	7.66	7.15	6.54	6.18	5.67	6.47			
30	5.69	5.15	5.90	5.81	5.24	5.45	5.94	5.72	5.83	5.72	5.94	5.45	5.24	5.81	5.90	5.15			
35	5.42	5.26	5.65	5.88	5.96	5.35	5.46	5.60	5.42	5.60	5.46	5.35	5.96	5.88	5.65	5.26			
40	5.14	5.29	5.41	5.39	5.14	5.48	5.70	5.48	5.11	5.48	5.70	5.48	5.14	5.39	5.41	5.29			
45	4.99	4.94	5.01	5.00	4.95	5.05	5.14	4.99	4.59	4.99	5.14	5.05	4.95	5.00	5.01	4.94			
50	4.33	4.43	4.43	4.43	4.28	4.19	4.14	4.24	4.26	4.24	4.14	4.19	4.28	4.43	4.43	4.43			
55	4.12	4.03	4.20	3.85	4.20	3.97	3.90	4.06	3.97	4.06	3.90	3.97	4.20	3.85	4.20	4.03			
60	3.73	3.70	3.74	3.48	3.75	3.82	3.40	3.60	3.63	3.60	3.40	3.82	3.75	3.48	3.74	3.70			
65	3.41	3.38	3.50	3.44	3.61	3.62	3.26	3.35	3.36	3.35	3.26	3.62	3.61	3.44	3.50	3.38			
70	3.03	3.03	3.02	2.94	3.13	2.86	2.93	2.95	2.94	2.95	2.93	2.86	3.13	2.94	3.02	3.03			
75	2.82	2.82	2.80	2.76	2.82	2.55	2.55	2.74	2.71	2.74	2.55	2.55	2.82	2.76	2.80	2.82			
80	2.60	2.67	2.61	2.72	2.57	2.07	2.22	2.41	2.32	2.41	2.22	2.07	2.57	2.72	2.61	2.67			
85	2.17	2.29	2.29	2.41	2.21	1.87	2.23	1.95	1.76	1.95	2.23	1.87	2.21	2.41	2.29	2.29			
90	1.40	1.26	1.39	1.40	1.44	1.47	2.01	1.34	1.45	1.34	2.01	1.47	1.44	1.40	1.39	1.26			
95	0.85	0.87	0.82	0.86	1.19	1.31	1.38	1.08	1.18	1.08	1.38	1.31	1.19	0.86	0.82	0.87			
100	0.44	0.63	0.54	0.73	0.73	0.90	0.89	0.73	0.68	0.73	0.89	0.90	0.73	0.73	0.54	0.63			
105	0.44	0.56	0.52	0.60	0.72	0.81	0.81	0.74	0.60	0.74	0.81	0.81	0.72	0.60	0.52	0.56			
110	0.46	0.62	0.52	0.62	0.71	0.80	0.67	0.61	0.57	0.61	0.67	0.80	0.71	0.62	0.52	0.62			
115	0.49	0.60	0.58	0.62	0.75	0.70	0.65	0.56	0.54	0.56	0.65	0.70	0.75	0.62	0.58	0.60			
120	0.46	0.64	0.62	0.70	0.79	0.68	0.59	0.58	0.57	0.58	0.59	0.68	0.79	0.70	0.62	0.64			
125	0.46	0.64	0.65	0.69	0.70	0.65	0.58	0.53	0.53	0.53	0.58	0.65	0.70	0.69	0.65	0.64			
130	0.44	0.59	0.64	0.62	0.65	0.61	0.58	0.54	0.51	0.54	0.58	0.61	0.65	0.62	0.64	0.59			
135	0.46	0.60	0.60	0.61	0.61	0.63	0.50	0.52	0.51	0.52	0.50	0.63	0.61	0.61	0.60	0.60			
140	0.47	0.48	0.58	0.56	0.55	0.47	0.44	0.43	0.39	0.43	0.44	0.47	0.55	0.56	0.58	0.48			
145	0.38	0.42	0.51	0.53	0.47	0.41	0.40	0.35	0.39	0.35	0.40	0.41	0.47	0.53	0.51	0.42			
150	0.31	0.37	0.38	0.42	0.36	0.31	0.27	0.29	0.18	0.29	0.27	0.31	0.36	0.42	0.38	0.37			
155	0.15	0.17	0.32	0.20	0.28	0.16	0.23	0.13	0.08	0.13	0.23	0.16	0.28	0.20	0.32	0.17			
160	0.06	0.05	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.05			
165	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
170	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
175	0.05	0.05	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.05			
180	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			

C Range: 0 - 180DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:ELAINE
 Test Date:23 October 2023

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AQF-G-002-2200K
 0.5W / 2200K
 24V DC