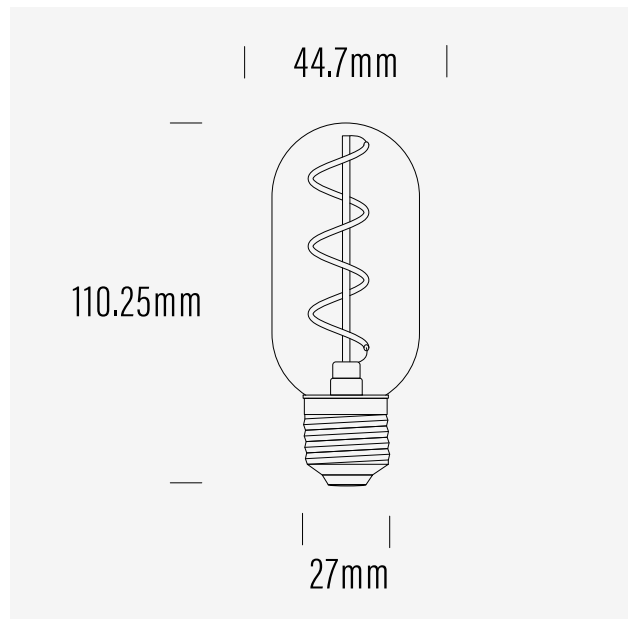


AGL G Series

E27 LED Globes



AQF-G-005-2700K / 2700K / E27



Product Data

Product Code	AQF-G-005-2700K
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	2W			
Nominal Current	83mA			
Input Voltage	-	-	24VDC	24VAC
Rated Power	-	-	0.5	1.5
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	110.25mm
Max Diameter	44.7mm
Lamp Base	E27
Weight	18g
Operating Temp Range	-20° - 60°
IP Rating	IP20

Photometric Data

Nominal Flux (lm)	104		
Input Voltage	-	-	24VDC 24VAC
Input Power (W)	-	-	0.5 1.5
Rated Flux (lm)	-	-	49 112
Efficacy (lm/W)	-	-	108 75

CCT	2700K
CCT Description	Warm White
CRI (Ra)	92
CRI (R9)	60
TM-30 (Rf)	91
TM-30 (Rg)	95
SDCM	-
Peak Intensity (cd)	4.3
Nominal Beam Angle	-
Measured Beam Angle (FWHM)	313°

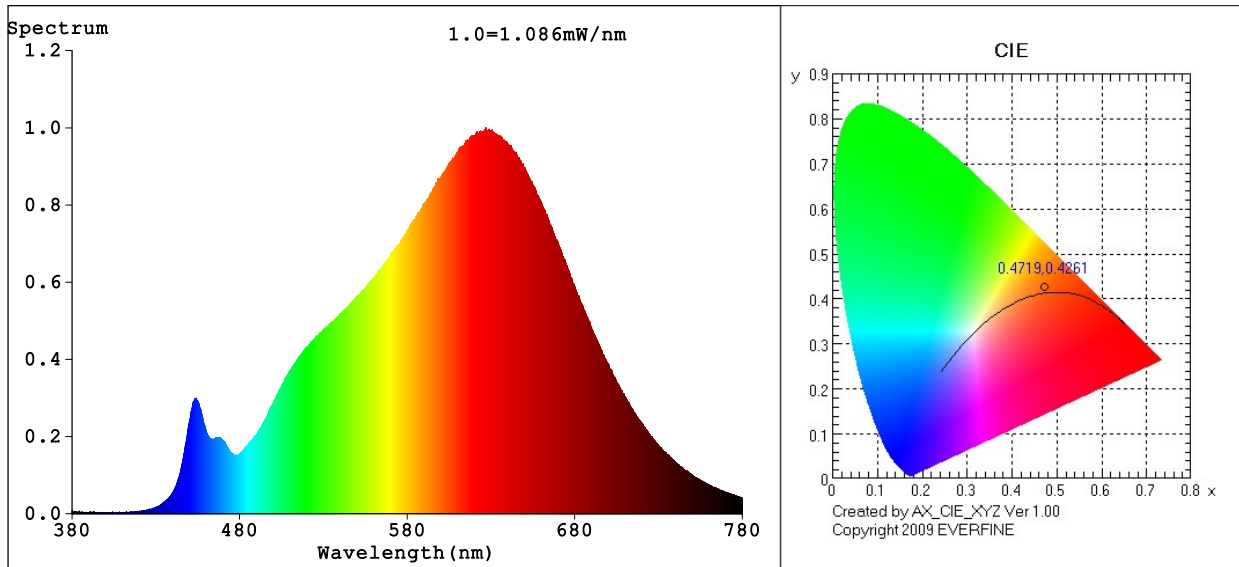
Lifespan Data

L70	100,000h
Switching Cycles	100,000

Compliance Data

EMI	Yes
RCM	N/A
Mercury Content	0mg

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4719$ $y=0.4261$ / $u'=0.2632$ $v'=0.5349$
 CCT=2656K (Duv=0.0046) Dominant WL:Ld =583.1nm WL:Lc = --nm Purity=69.6%
 Ratio:R=26.4% G=71.5% B=2.1%; Peak WL:Lp=626.9nm FWHM=152.4nm
 Render Index:Ra=92.4 AvgR=89.1 TM30:Rf=91 Rg=95

R1 =92 R2 =95 R3 =97 R4 =93 R5 =91 R6 =95 R7 =94
 R8 =83 R9 =60 R10=88 R11=94 R12=78 R13=93 R14=98 R15=87

Photo Parameters:

Flux = 49.25 lm Eff. : 107.50 lm/W Fe = 176.2 mW

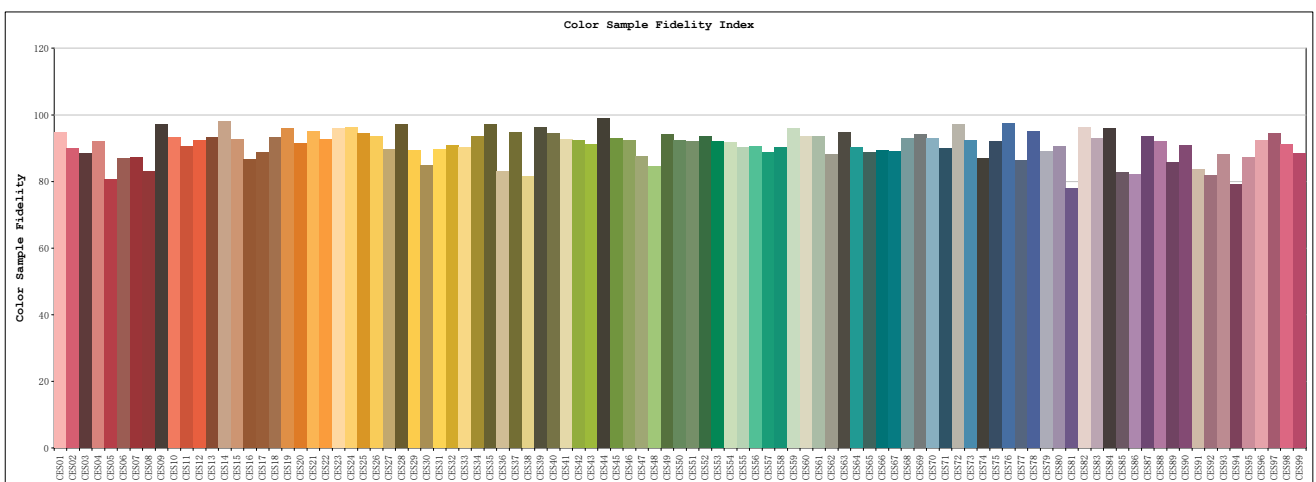
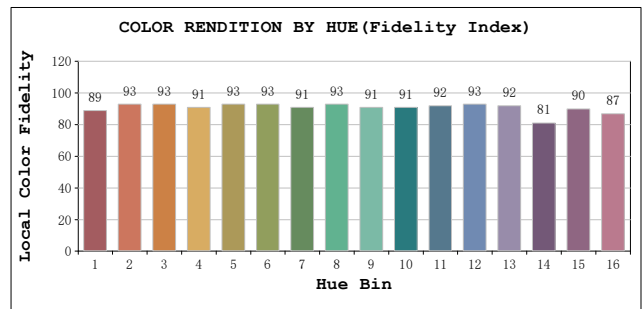
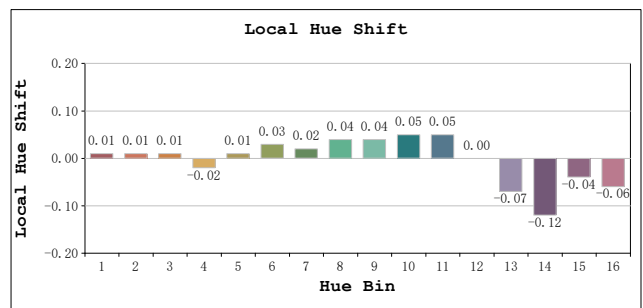
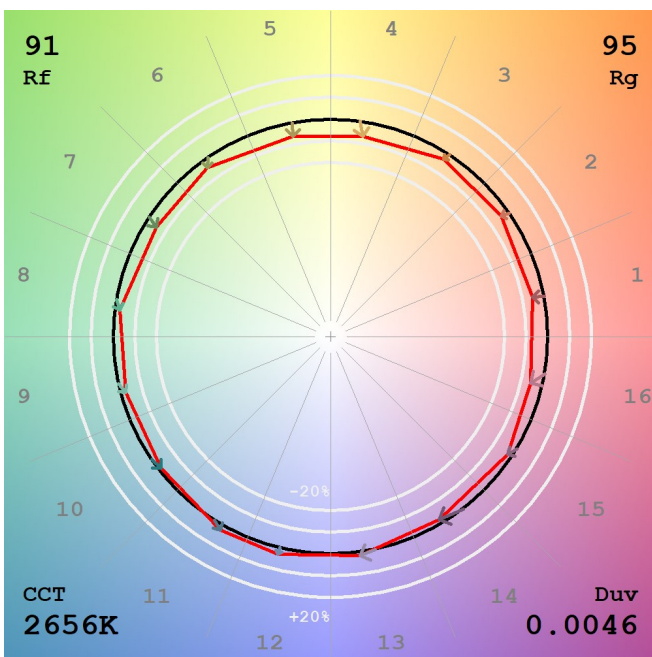
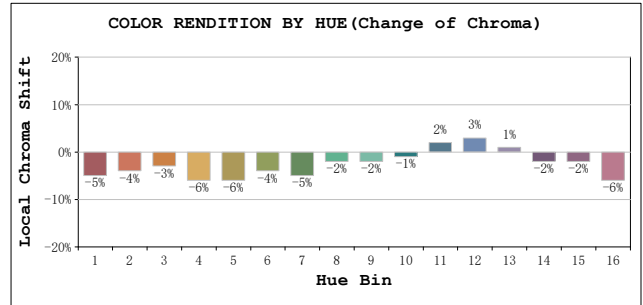
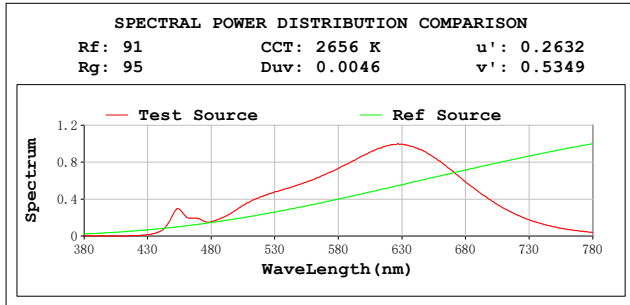
Electrical parameters:

V = 24.004 V I = 0.01908 A P = 0.4581 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_2700K
 Status: Integral T = 2891 ms Ip = 49020 (75%)

GBT5702

TM30

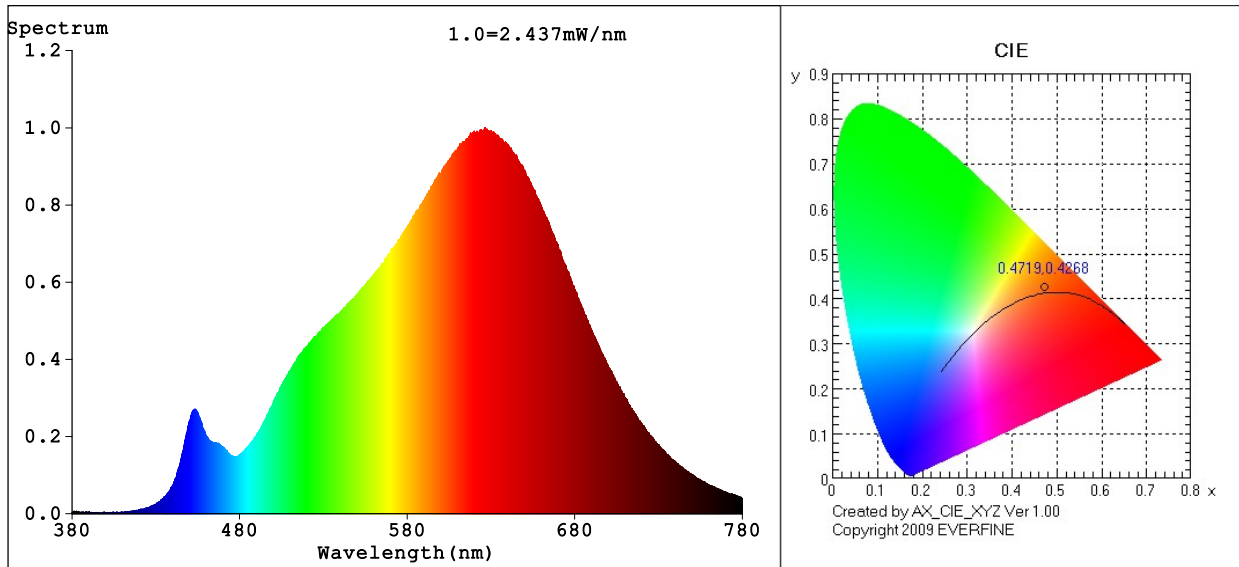
View Angle: 2 Deg



Model: AQF-G-005-2700K
 Tester: EC
 Temperature: 25.3Deg
 Manufacturer: AQUALUX

Number: AQF-G-005-2700K 24V DC
 Date: 2023-10-23 17:09:32
 Humidity: 65.0%
 Remarks: 24VDC

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4719$ $y=0.4268$ / $u'=0.2630$ $v'=0.5351$
 CCT=2660K (Duv=0.0049) Dominant WL:Ld =583.0nm WL:Lc = --nm Purity=69.8%
 Ratio:R=26.3% G=71.6% B=2.1%; Peak WL:Lp=626.5nm FWHM=153.7nm
 Render Index:Ra=91.7 AvgR=88.2 TM30:Rf=91 Rg=95

R1 =91 R2 =94 R3 =97 R4 =92 R5 =90 R6 =94 R7 =94
 R8 =82 R9 =57 R10=86 R11=93 R12=78 R13=92 R14=97 R15=86

Photo Parameters:

Flux = 111.6 lm Eff. : 75.47 lm/W Fe = 396.7 mW

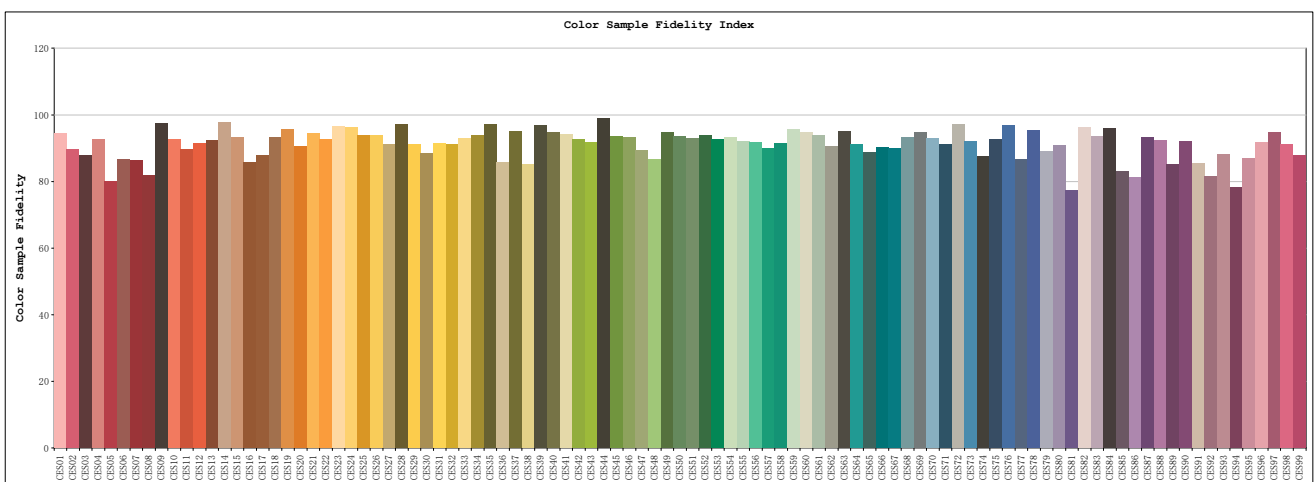
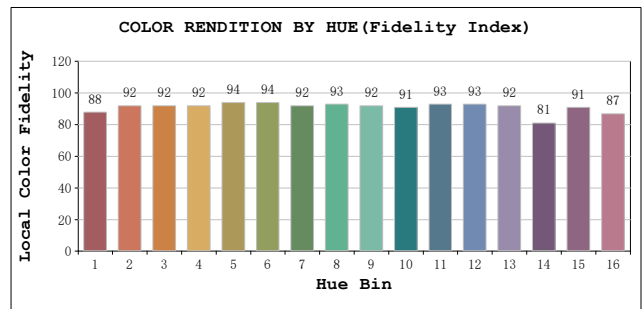
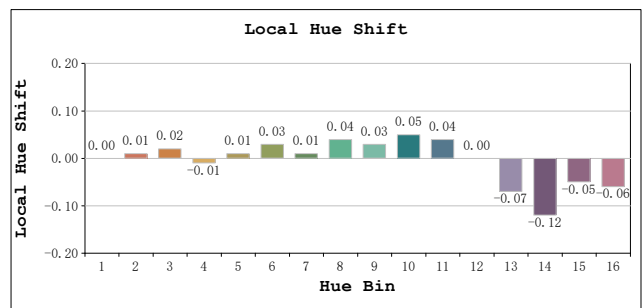
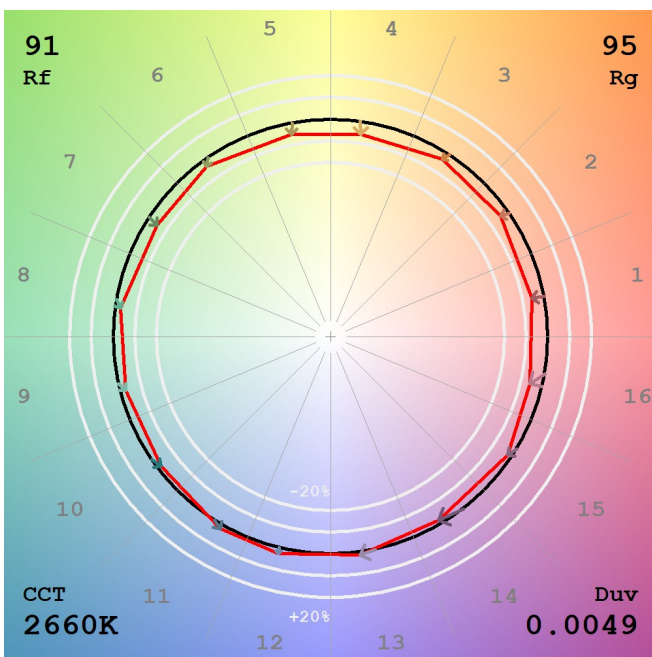
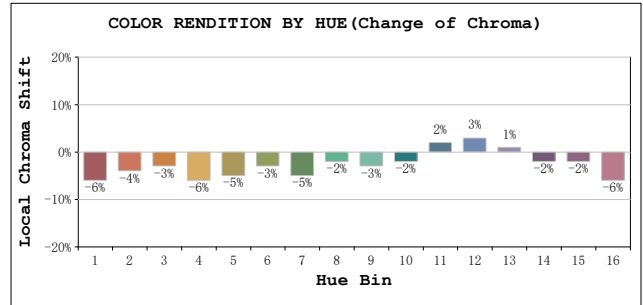
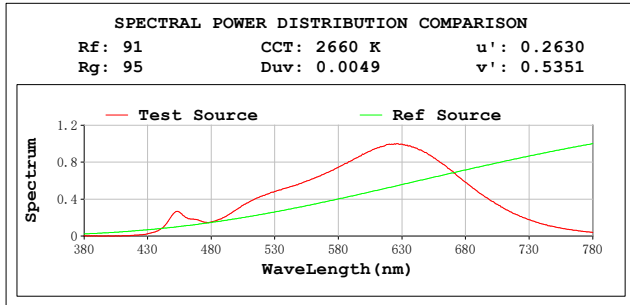
Electrical parameters:

V = 23.994 V I = 0.06961 A P = 1.479 W PF = 0.8856
 LEVEL:OUT WHITE:ANSI_2700K
 Status: Integral T = 1000 ms Ip = 38506 (59%)

GBT5702

TM30

View Angle: 2 Deg



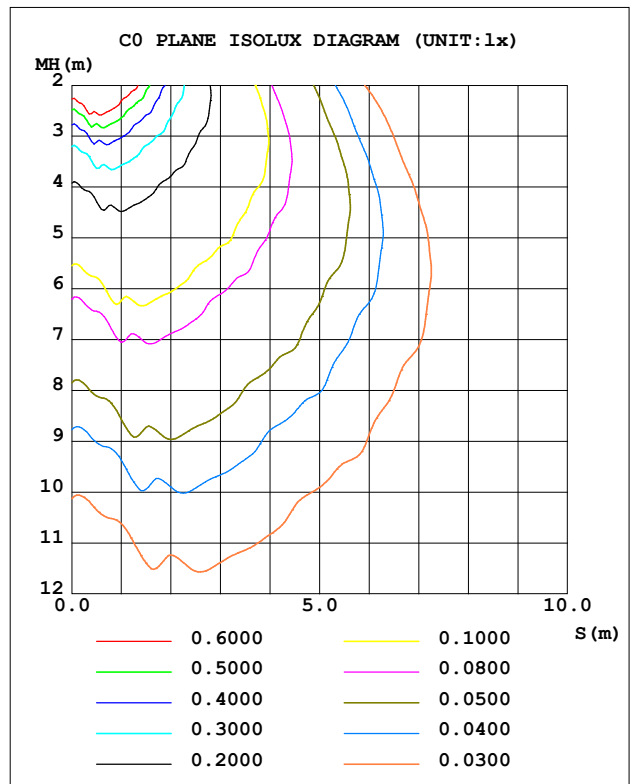
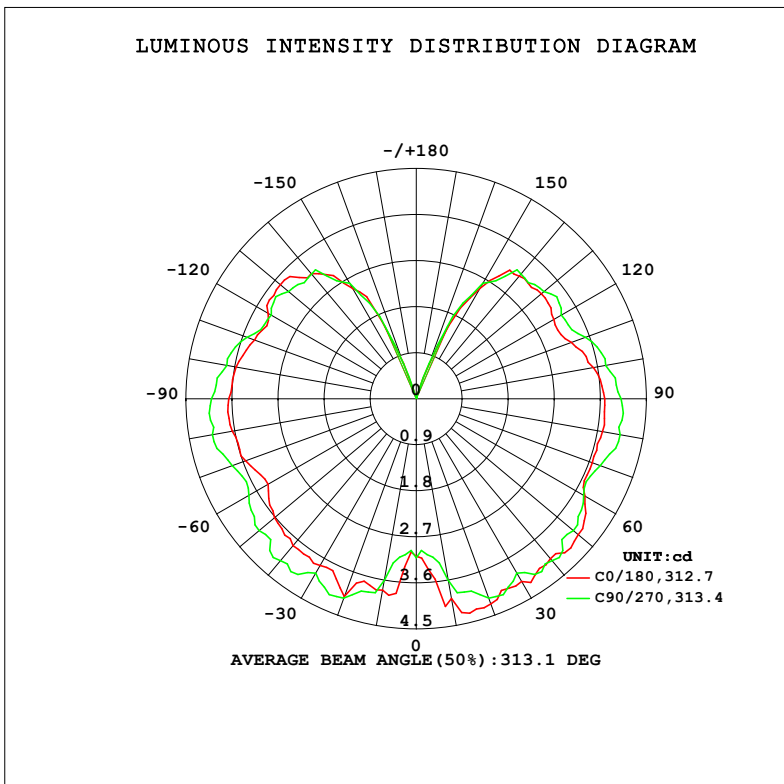
Model:AQF-G-005-2700K
 Tester:EC
 Temperature:25.3Deg
 Manufacturer:AQUALUX

Number:AQF-G-005-2700K 24V AC
 Date:2023-10-23 17:11:01
 Humidity:65.0%
 Remarks:24VAC

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.986V I:0.0201A P:0.4817W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:43.5845x1 lm		
NAME: AQF-G-005-2700K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			Eff: 90.47 lm/W
MODEL		I _{max} (cd)	4.319	S/MH (C0/180)	1.77
NOMINAL POWER (W)	2	LOR (%)	100.0	S/MH (C90/270)	1.92
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	43.584	η UP, DN (C0-180)	22.2, 27.9
NOMINAL FLUX (lm)	43.5845	CIE CLASS	DIFFUSE	η UP, DN (C180-360)	22.3, 27.6
LAMPS INSIDE	1	η up (%)	44.5	CIBSE SHR NOM	1.75
TEST VOLTAGE (V)	24	η down (%)	55.5	CIBSE SHR MAX	1.75



C Range: 0 - 180DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 20°C
 Operators: ELAINE
 Test Date: 24 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-005-2700K
 2W / 2700K
 24V DC

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

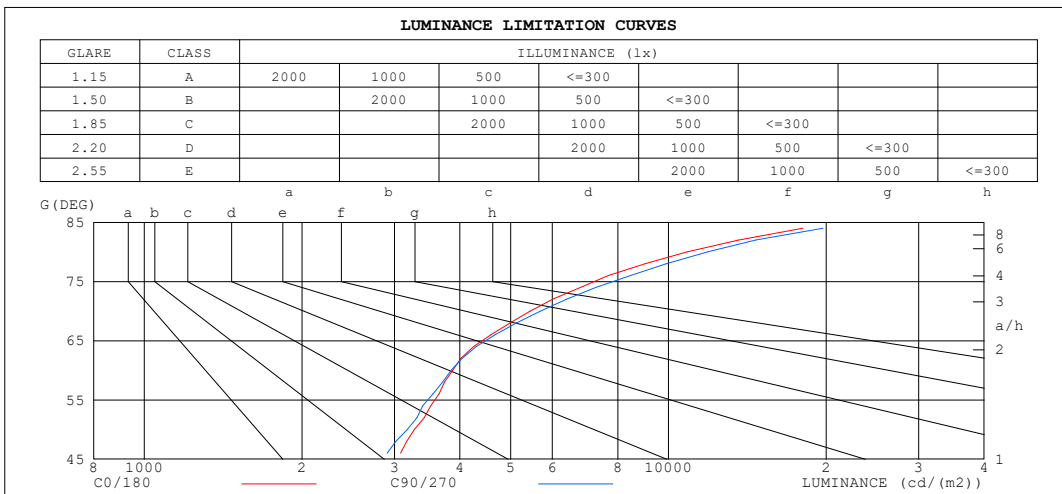
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum, lamp
10	3.961	3.734	3.596	3.747	3.797	3.747	3.596	3.734	0- 10	0.3289	0.3289	0.75,0.75
20	4.264	4.181	4.149	3.970	4.117	3.970	4.149	4.181	10- 20	1.124	1.453	3.33,3.33
30	4.123	4.095	3.936	3.803	3.760	3.803	3.936	4.095	20- 30	1.869	3.321	7.62,7.62
40	4.082	4.216	4.132	3.914	3.749	3.914	4.132	4.216	30- 40	2.528	5.850	13.4,13.4
50	4.134	4.181	4.008	3.603	3.616	3.603	4.008	4.181	40- 50	3.085	8.934	20.5,20.5
60	3.805	3.923	3.778	3.433	3.345	3.433	3.778	3.923	50- 60	3.423	12.36	28.4,28.4
70	3.659	3.970	3.825	3.461	3.551	3.461	3.825	3.970	60- 70	3.602	15.96	36.6,36.6
80	3.695	4.042	4.045	3.612	3.652	3.612	4.045	4.042	70- 80	4.011	19.97	45.8,45.8
90	3.686	4.120	4.004	3.623	3.665	3.623	4.004	4.120	80- 90	4.212	24.18	55.5,55.5
100	3.516	3.881	3.762	3.510	3.574	3.510	3.762	3.881	90-100	4.128	28.31	65,65
110	3.232	3.580	3.523	3.247	3.363	3.247	3.523	3.580	100-110	3.780	32.09	73.6,73.6
120	3.107	3.351	3.275	3.115	3.342	3.115	3.275	3.351	110-120	3.278	35.37	81.2,81.2
130	3.193	3.274	3.258	3.200	3.470	3.200	3.258	3.274	120-130	2.958	38.33	87.9,87.9
140	3.132	3.235	3.183	3.040	3.192	3.040	3.183	3.235	130-140	2.492	40.82	93.7,93.7
150	2.494	2.706	2.607	2.467	2.493	2.467	2.607	2.706	140-150	1.849	42.67	97.9,97.9
160	0.6274	0.7228	0.7374	0.7986	0.7447	0.7986	0.7374	0.7228	150-160	0.8520	43.52	99.9,99.9
170	0.0254	0.0258	0.0270	0.0282	0.0246	0.0282	0.0270	0.0258	160-170	0.0620	43.58	100,100
180	0.0274	0.0258	0.0282	0.0262	0.0262	0.0262	0.0282	0.0258	170-180	0.0023	43.58	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 180DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature:20°C
 Operators:ELAINE
 Test Date:24 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-005-2700K
 2W / 2700K
 24V DC

LUMINANCE LIMITATION CURVES

Test:U:23.986V I:0.0201A P:0.4817W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:43.5845x1 lm		
NAME: AQF-G-005-2700K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	21629	23639
80	10839	11867
75	7227	7741
70	5450	5698
65	4407	4455
60	3877	3849
55	3605	3478
50	3276	3176
45	3013	2970

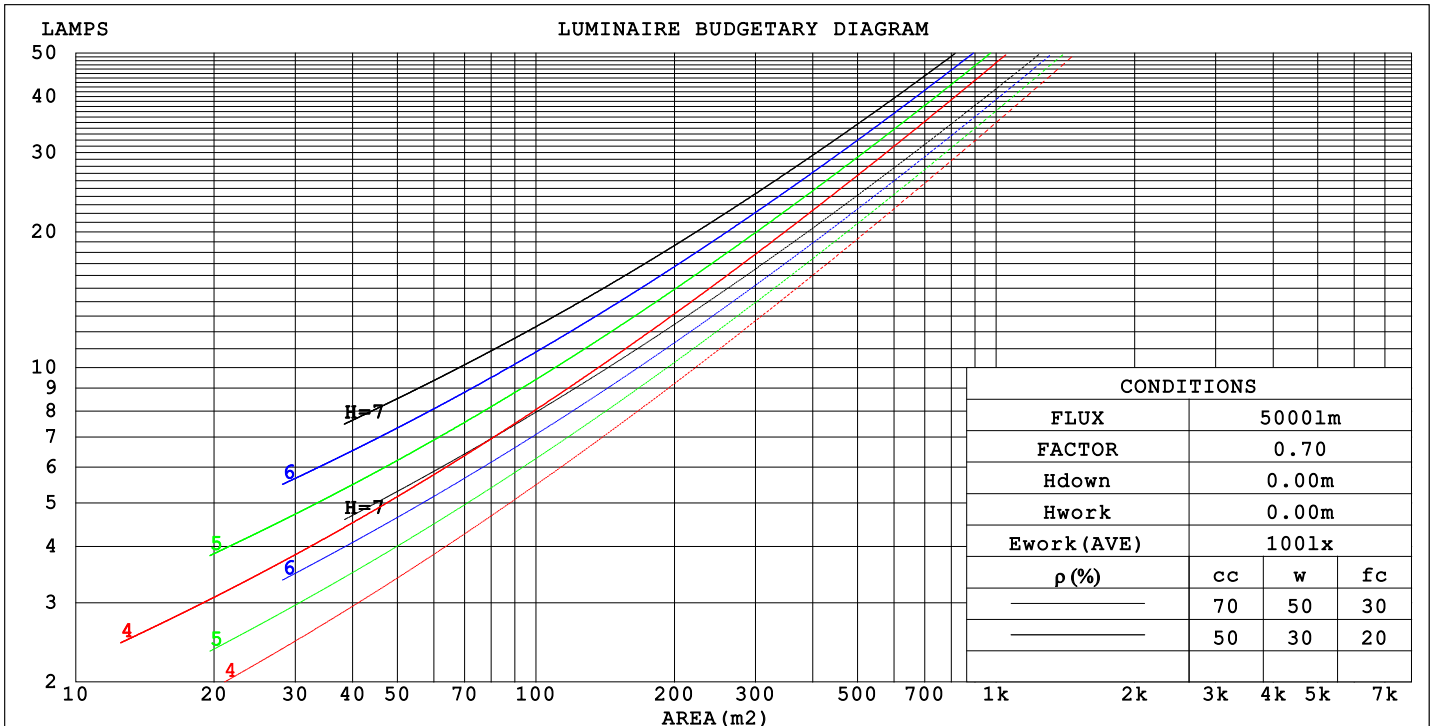
C Range: 0 - 180DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 20°C
 Operators: ELAINE
 Test Date: 24 October 2023

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-005-2700K
 2W / 2700K
 24V DC

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.986V I:0.0201A P:0.4817W PF:1.0000 Freq:0Hz		
UTHdi:0.00% ITHdi:0.00% KDisp:0 Lamp Flux:43.5845x1 lm		
NAME: AQF-G-005-2700K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0		
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%			
ρw																		
ρfc																		
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization (CU)											
0.0	1.08	1.08	1.08	1.01	1.01	1.01	.86	.86	.86	.73	.73	.73	.61	.61	.61	.55		
1.0	.88	.82	.77	.81	.76	.72	.69	.65	.61	.57	.54	.52	.47	.45	.42	.37		
2.0	.75	.67	.60	.69	.62	.56	.58	.52	.48	.48	.44	.40	.39	.35	.33	.28		
3.0	.64	.55	.48	.59	.51	.45	.50	.43	.38	.41	.36	.32	.33	.29	.26	.22		
4.0	.56	.47	.39	.52	.43	.37	.44	.37	.32	.36	.31	.26	.29	.25	.21	.18		
5.0	.49	.40	.33	.46	.37	.31	.39	.32	.27	.32	.26	.22	.26	.21	.18	.15		
6.0	.44	.35	.28	.41	.32	.26	.34	.28	.23	.29	.23	.19	.23	.19	.15	.12		
7.0	.40	.31	.24	.37	.29	.23	.31	.24	.20	.26	.20	.16	.21	.17	.13	.11		
8.0	.36	.27	.21	.33	.25	.20	.28	.22	.17	.23	.18	.14	.19	.15	.12	.09		
9.0	.32	.24	.19	.30	.23	.18	.26	.19	.15	.21	.16	.13	.18	.13	.10	.08		
10.0	.30	.22	.17	.28	.20	.16	.24	.18	.13	.20	.15	.11	.16	.12	.09	.07		



C Range: 0 - 180DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 20°C
 Operators: ELAINE
 Test Date: 24 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-005-2700K
 2W / 2700K
 24V DC

WEC AND CCEC

Test:U:23.986V I:0.0201A P:0.4817W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:43.5845x1 lm		
NAME: AQF-G-005-2700K	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	.408	.232	.074	.388	.221	.070	.349	.200	.064	.313	.180	.058	.280	.162	.052	
2.0	.341	.187	.057	.322	.177	.055	.287	.159	.049	.254	.142	.045	.224	.126	.040	
3.0	.298	.158	.047	.280	.150	.045	.248	.134	.041	.218	.119	.037	.190	.105	.033	
4.0	.265	.138	.041	.249	.131	.039	.220	.116	.035	.192	.103	.031	.166	.090	.028	
5.0	.239	.122	.035	.225	.116	.034	.198	.103	.030	.172	.091	.027	.148	.079	.024	
6.0	.218	.109	.031	.205	.104	.030	.180	.092	.027	.156	.081	.024	.134	.071	.021	
7.0	.201	.099	.028	.189	.094	.027	.165	.084	.024	.143	.074	.021	.123	.064	.019	
8.0	.186	.091	.026	.174	.086	.024	.153	.076	.022	.132	.067	.019	.113	.058	.017	
9.0	.173	.084	.023	.162	.079	.022	.142	.070	.020	.123	.062	.018	.105	.053	.015	
10.0	.161	.077	.021	.152	.073	.020	.133	.065	.018	.115	.057	.016	.098	.049	.014	

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	.530	.530	.530	.453	.453	.453	.309	.309	.309	.177	.177	.177	.057	.057	.057	
1.0	.529	.497	.469	.453	.427	.403	.310	.294	.279	.178	.170	.162	.057	.055	.052	
2.0	.523	.476	.436	.448	.410	.377	.307	.283	.263	.177	.165	.154	.057	.053	.050	
3.0	.516	.461	.416	.442	.397	.361	.304	.276	.253	.175	.161	.149	.056	.052	.049	
4.0	.508	.449	.404	.436	.388	.351	.300	.270	.247	.174	.158	.146	.056	.052	.048	
5.0	.501	.440	.395	.430	.381	.343	.296	.266	.242	.172	.156	.144	.055	.051	.047	
6.0	.494	.432	.388	.424	.374	.338	.293	.262	.239	.170	.154	.142	.055	.050	.047	
7.0	.487	.426	.384	.419	.369	.334	.289	.259	.237	.168	.153	.141	.054	.050	.047	
8.0	.480	.421	.380	.414	.365	.331	.286	.256	.235	.166	.151	.140	.054	.050	.046	
9.0	.474	.416	.377	.409	.361	.329	.283	.254	.234	.165	.150	.139	.053	.049	.046	
10.0	.469	.413	.375	.404	.358	.327	.280	.252	.233	.163	.149	.139	.053	.049	.046	

C Range: 0 - 180DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature:20°C
 Operators:ELAINE
 Test Date:24 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-005-2700K
 2W / 2700K
 24V DC

UGR(Unified Glare Rating) Table

Test:U:23.986V I:0.0201A P:0.4817W PF:1.0000 Freq:0Hz										
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:43.5845x1 lm										
NAME: AQF-G-005-2700K					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	25.3	26.5	26.2	27.3	28.4	25.3	26.5	26.1	27.3	28.3
3H	28.3	29.3	29.1	30.2	31.2	28.4	29.4	29.2	30.3	31.4
4H	30.0	31.0	30.9	31.9	33.0	30.3	31.3	31.2	32.2	33.3
6H	32.0	32.9	32.9	33.8	34.9	32.4	33.3	33.3	34.2	35.4
8H	33.1	34.0	34.0	34.9	36.0	33.6	34.5	34.5	35.4	36.5
12H	34.4	35.3	35.3	36.2	37.3	34.9	35.8	35.8	36.7	37.8
4H 2H	26.3	27.2	27.1	28.1	29.2	26.3	27.2	27.1	28.1	29.2
3H	29.4	30.3	30.3	31.2	32.3	29.6	30.4	30.5	31.3	32.5
4H	31.3	32.1	32.2	33.0	34.2	31.6	32.4	32.5	33.3	34.5
6H	33.5	34.2	34.4	35.1	36.3	33.9	34.6	34.8	35.5	36.7
8H	34.7	35.3	35.6	36.3	37.5	35.1	35.8	36.1	36.7	37.9
12H	36.0	36.6	37.0	37.6	38.8	36.6	37.2	37.5	38.1	39.4
8H 4H	32.1	32.8	33.1	33.7	34.9	32.4	33.0	33.3	34.0	35.2
6H	34.5	35.1	35.5	36.1	37.3	34.9	35.5	35.9	36.4	37.7
8H	35.9	36.4	36.9	37.4	38.7	36.3	36.8	37.3	37.8	39.1
12H	37.5	37.9	38.5	38.9	40.2	38.0	38.4	39.0	39.4	40.7
12H 4H	32.4	33.0	33.3	33.9	35.2	32.6	33.2	33.5	34.1	35.3
6H	34.9	35.4	35.9	36.4	37.6	35.2	35.7	36.2	36.7	37.9
8H	36.4	36.8	37.4	37.8	39.1	36.8	37.2	37.8	38.2	39.5
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 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117, 43.58 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -10.9)
 Area: 0.001963 m2

C Range: 0 - 180DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature:20°C
 Operators:ELAINE
 Test Date:24 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-005-2700K
 2W / 2700K
 24V DC

UTILIZATION FACTORS TABLE

Test:U:23.986V I:0.0201A P:0.4817W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:43.5845x1 lm		
NAME: AQF-G-005-2700K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:

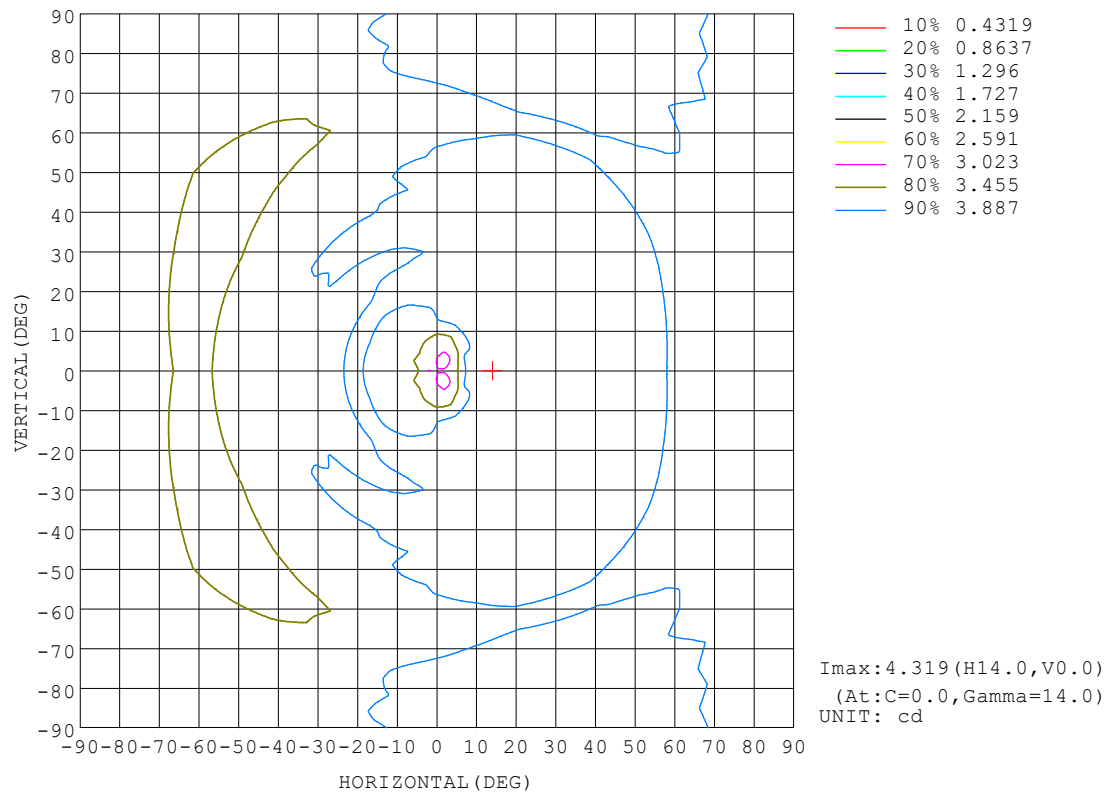
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	38	26	18	36	25	18	33	23	17	10
0.80	47	33	25	44	32	24	40	29	22	13
1.00	54	40	31	51	38	30	45	36	27	16
1.25	61	47	38	57	44	36	50	40	33	20
1.50	66	52	43	62	49	41	54	44	37	22
2.00	74	61	51	69	57	49	59	50	43	26
2.50	78	67	58	73	63	54	63	55	48	29
3.00	82	72	63	77	67	59	66	58	52	32
4.00	88	78	70	81	73	66	70	63	58	36
5.00	91	83	76	84	77	71	72	67	62	38
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: MEDIUM
 Temperature:20°C
 Operators:ELAINE
 Test Date:24 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-005-2700K
 2W / 2700K
 24V DC

ISOCANDELA DIAGRAM

Test:U:23.986V I:0.0201A P:0.4817W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:43.5845x1 lm		
NAME: AQF-G-005-2700K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:

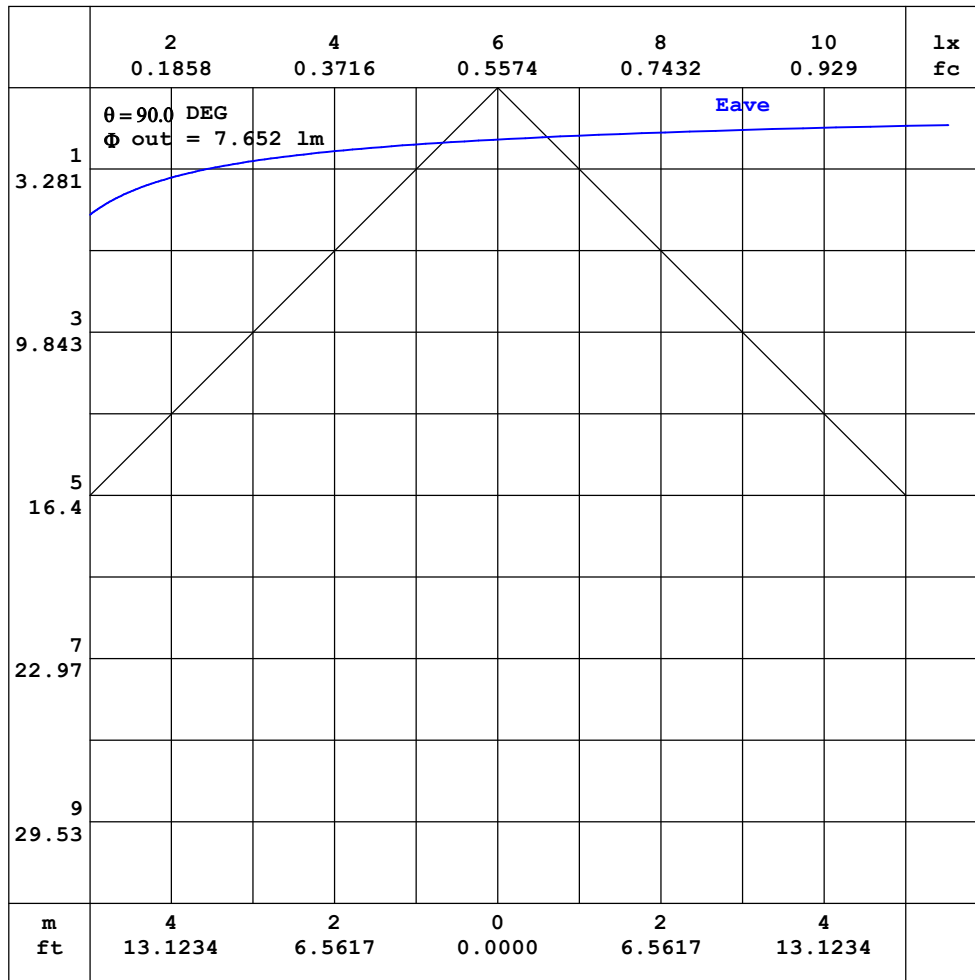


C Range: 0 - 180DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature:20°C
 Operators:ELAINE
 Test Date:24 October 2023

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-005-2700K
 2W / 2700K
 24V DC

AAI CURVES

Test:U:23.986V I:0.0201A P:0.4817W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:43.5845x1 lm		
NAME: AQF-G-005-2700K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:



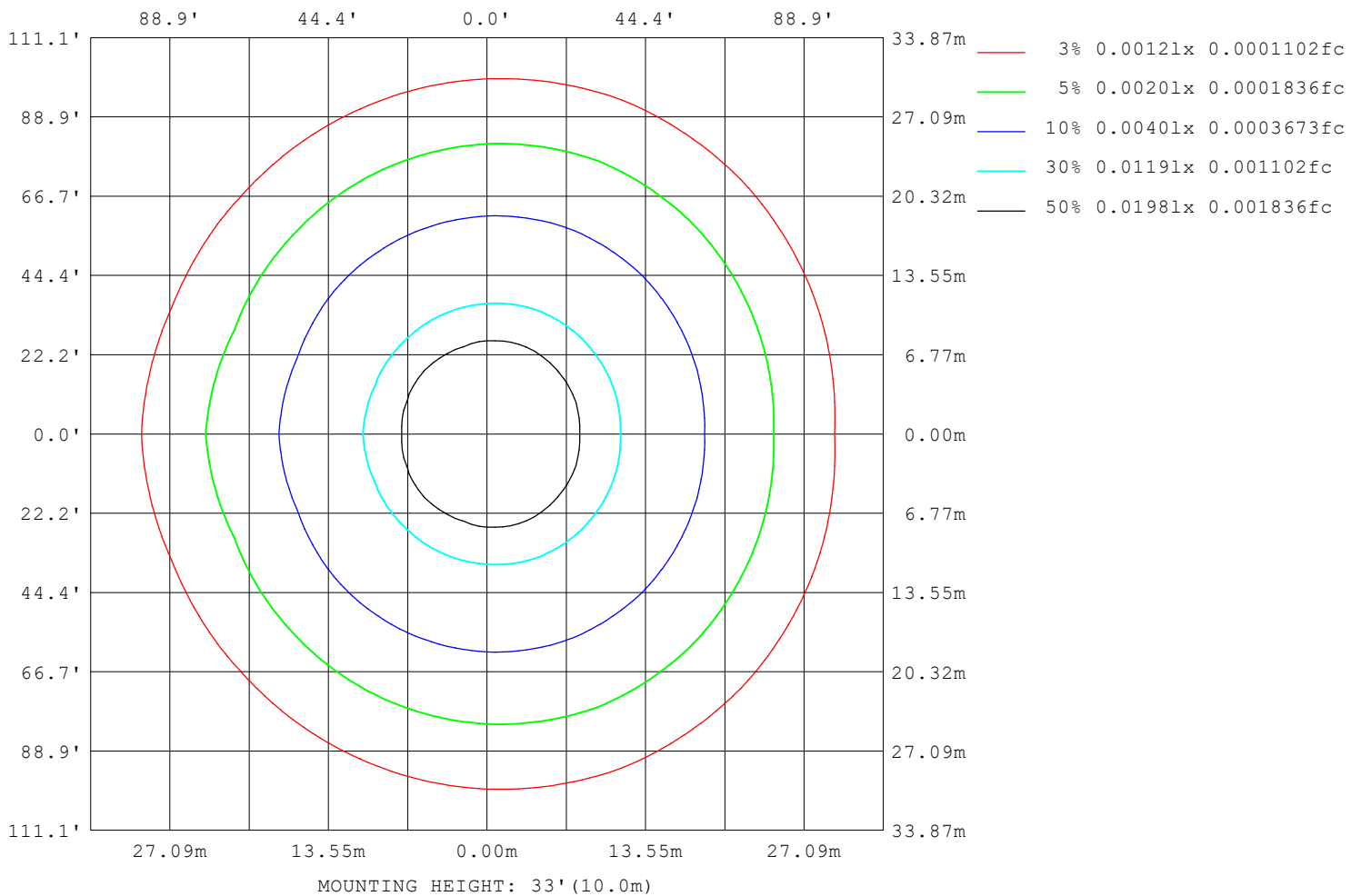
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 180DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 20°C
 Operators: ELAINE
 Test Date: 24 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-005-2700K
 2W / 2700K
 24V DC

ISOLUX DIAGRAM

Test:U:23.986V I:0.0201A P:0.4817W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:43.5845x1 lm		
NAME: AQF-G-005-2700K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:



C Range: 0 - 180DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 20°C
 Operators: ELAINE
 Test Date: 24 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-005-2700K
 2W / 2700K
 24V DC

LED Avg.L Report

Test:U:23.986V I:0.0201A P:0.4817W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:43.5845x1 lm		
NAME: AQF-G-005-2700K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:

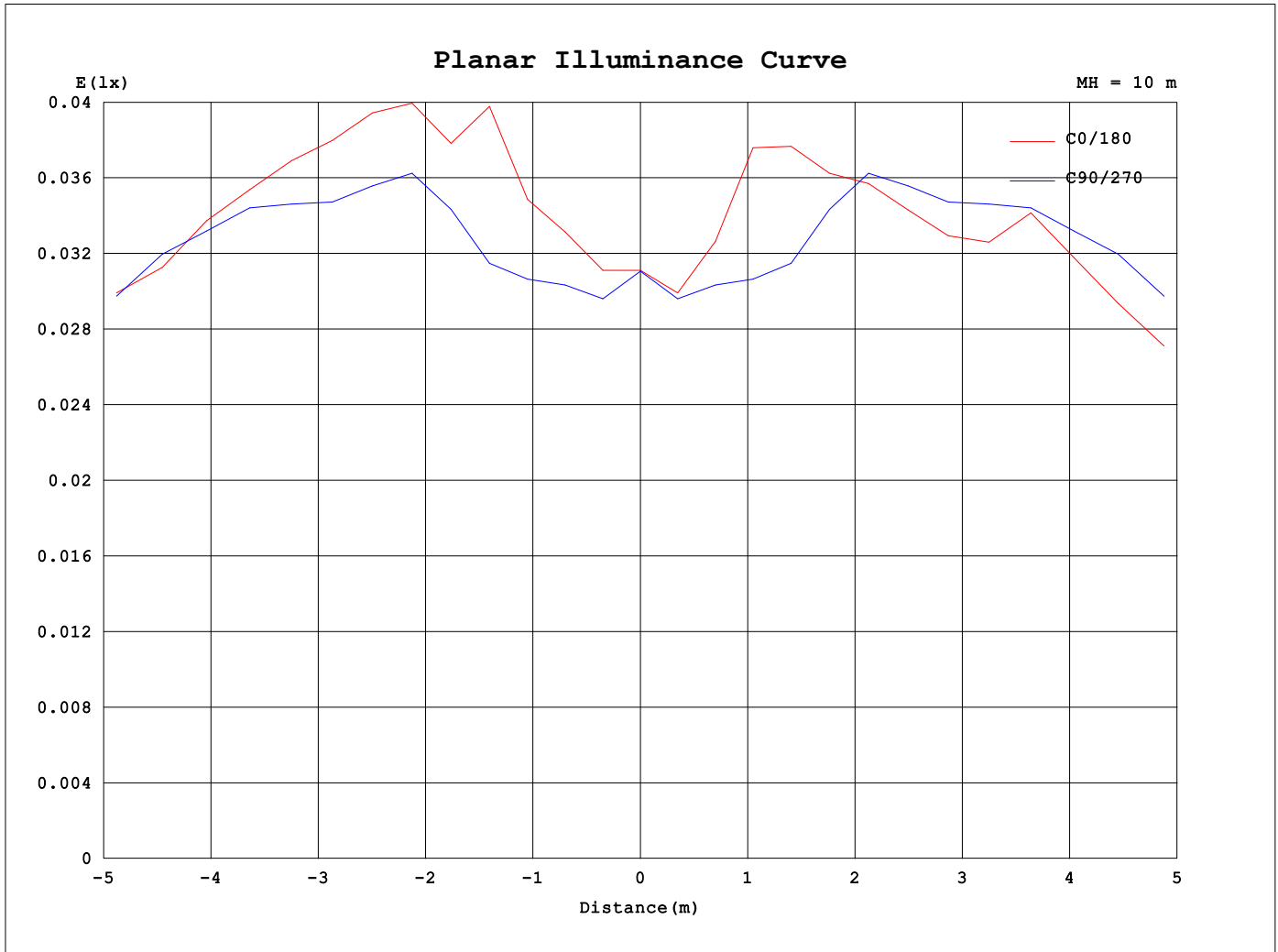
AvgL	cd/m2
L_0~180 (65) av	4260
L_0~180 (75) av	7135
L_0~180 (85) av	21574
L_90~270 (65) av	4467
L_90~270 (75) av	7824
L_90~270 (85) av	23703
L_45 (65) av	4341
L_45 (75) av	7490
L_45 (85) av	22614

Standard: GB/T 29293-2012

C Range: 0 - 180DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature:20°C
 Operators:ELAINE
 Test Date:24 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-005-2700K
 2W / 2700K
 24V DC

Planar Illuminance Curve



C Range: 0 - 180DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 20°C
 Operator: ELAINE
 Test Date: 24 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-005-2700K
 2W / 2700K
 24V DC

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.986V I:0.0201A P:0.4817W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:43.5845x1 lm		
NAME: AQF-G-005-2700K	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	3.08	3.10	3.10	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.10	3.10			
5	3.34	3.11	2.95	2.98	3.06	3.29	3.40	3.19	3.29	3.19	3.40	3.29	3.06	2.98	2.95	3.11			
10	3.96	4.04	3.73	3.54	3.60	3.82	3.75	3.61	3.80	3.61	3.75	3.82	3.60	3.54	3.73	4.04			
15	4.32	4.17	4.04	4.04	3.90	3.76	3.68	3.71	3.76	3.71	3.68	3.76	3.90	4.04	4.04	4.17			
20	4.26	4.25	4.18	4.11	4.15	4.05	3.97	4.02	4.12	4.02	3.97	4.05	4.15	4.11	4.18	4.25			
25	4.10	4.12	4.21	4.20	4.19	4.04	3.88	3.80	3.85	3.80	3.88	4.04	4.19	4.20	4.21	4.12			
30	4.12	4.23	4.10	4.09	3.94	3.75	3.80	3.69	3.76	3.69	3.80	3.75	3.94	4.09	4.10	4.23			
35	4.15	4.14	4.18	4.07	4.14	4.03	3.94	3.82	3.74	3.82	3.94	4.03	4.14	4.07	4.18	4.14			
40	4.08	4.18	4.22	4.25	4.13	3.99	3.91	3.85	3.75	3.85	3.91	3.99	4.13	4.25	4.22	4.18			
45	4.18	4.30	4.31	4.25	4.12	3.87	3.75	3.67	3.70	3.67	3.75	3.87	4.12	4.25	4.31	4.30			
50	4.13	4.19	4.18	4.13	4.01	3.82	3.60	3.55	3.62	3.55	3.60	3.82	4.01	4.13	4.18	4.19			
55	4.06	4.15	4.12	4.05	3.92	3.73	3.56	3.49	3.54	3.49	3.56	3.73	3.92	4.05	4.12	4.15			
60	3.81	3.91	3.92	3.94	3.78	3.61	3.43	3.22	3.34	3.22	3.43	3.61	3.78	3.94	3.92	3.91			
65	3.66	3.76	3.84	3.83	3.70	3.52	3.34	3.16	3.39	3.16	3.34	3.52	3.70	3.83	3.84	3.76			
70	3.66	3.81	3.97	3.98	3.83	3.62	3.46	3.40	3.55	3.40	3.46	3.62	3.83	3.98	3.97	3.81			
75	3.67	3.87	4.04	4.09	3.93	3.77	3.56	3.47	3.59	3.47	3.56	3.77	3.93	4.09	4.04	3.87			
80	3.69	3.86	4.04	4.16	4.05	3.78	3.61	3.52	3.65	3.52	3.61	3.78	4.05	4.16	4.04	3.86			
85	3.70	3.88	4.09	4.22	4.04	3.82	3.62	3.53	3.68	3.53	3.62	3.82	4.04	4.22	4.09	3.88			
90	3.69	3.90	4.12	4.19	4.00	3.80	3.62	3.56	3.67	3.56	3.62	3.80	4.00	4.19	4.12	3.90			
95	3.64	3.86	4.06	4.09	3.92	3.75	3.60	3.55	3.61	3.55	3.60	3.75	3.92	4.09	4.06	3.86			
100	3.52	3.71	3.88	3.94	3.76	3.63	3.51	3.47	3.57	3.47	3.51	3.63	3.76	3.94	3.88	3.71			
105	3.42	3.63	3.81	3.84	3.73	3.60	3.42	3.41	3.50	3.41	3.42	3.60	3.73	3.84	3.81	3.63			
110	3.23	3.43	3.58	3.63	3.52	3.42	3.25	3.30	3.36	3.30	3.25	3.42	3.52	3.63	3.58	3.43			
115	3.10	3.37	3.45	3.44	3.33	3.26	3.14	3.26	3.30	3.26	3.14	3.26	3.33	3.44	3.45	3.37			
120	3.11	3.20	3.35	3.34	3.28	3.20	3.11	3.20	3.34	3.20	3.11	3.20	3.28	3.34	3.35	3.20			
125	3.18	3.18	3.38	3.42	3.36	3.29	3.23	3.35	3.46	3.35	3.23	3.29	3.36	3.42	3.38	3.18			
130	3.19	3.27	3.27	3.33	3.26	3.25	3.20	3.34	3.47	3.34	3.20	3.25	3.26	3.33	3.27	3.27			
135	3.13	3.21	3.23	3.22	3.22	3.16	3.16	3.34	3.44	3.34	3.16	3.16	3.22	3.22	3.23	3.21			
140	3.13	3.18	3.23	3.19	3.18	3.20	3.04	3.09	3.19	3.09	3.04	3.20	3.18	3.19	3.23	3.18			
145	3.11	3.17	3.19	3.20	2.97	2.91	2.90	2.98	3.01	2.98	2.90	2.91	2.97	3.20	3.19	3.17			
150	2.49	2.64	2.71	2.59	2.61	2.56	2.47	2.39	2.49	2.39	2.47	2.56	2.61	2.59	2.71	2.64			
155	1.98	1.97	2.05	2.08	2.09	2.14	2.11	2.11	2.22	2.11	2.11	2.14	2.09	2.08	2.05	1.97			
160	0.63	0.65	0.72	0.74	0.74	0.86	0.80	0.77	0.74	0.77	0.80	0.86	0.74	0.74	0.72	0.65			
165	0.08	0.11	0.09	0.07	0.07	0.07	0.06	0.05	0.06	0.05	0.06	0.07	0.07	0.07	0.09	0.11			
170	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.02	0.02	0.02	0.03	0.02	0.03	0.03	0.03	0.03			
175	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02			
180	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03			

C Range: 0 - 180DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature:20°C
 Operators:ELAINE
 Test Date:24 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-005-2700K
 2W / 2700K
 24V DC