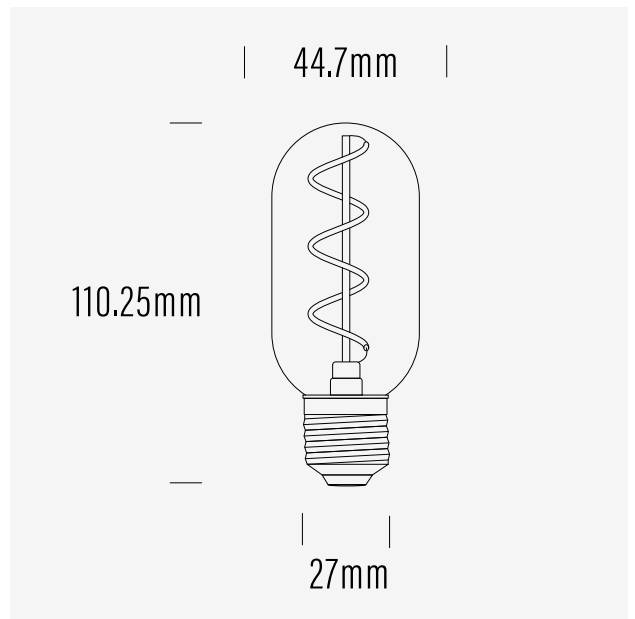


AGL G Series

E27 LED Globes



AQF-G-005-2200K / 2200K / E27



Product Data

Product Code	AQF-G-005-2200K
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	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)	75
Input Voltage	- - 24VDC 24VAC
Input Power (W)	- - 0.5 1.5
Rated Flux (lm)	- - 45 98
Efficacy (lm/W)	- - 92 64
CCT	2200K
CCT Description	Ultra Warm White
CRI (Ra)	94
CRI (R9)	67
TM-30 (Rf)	92
TM-30 (Rg)	98
SDCM	-
Peak Intensity (cd)	4.0
Nominal Beam Angle	-
Measured Beam Angle (FWHM)	315°

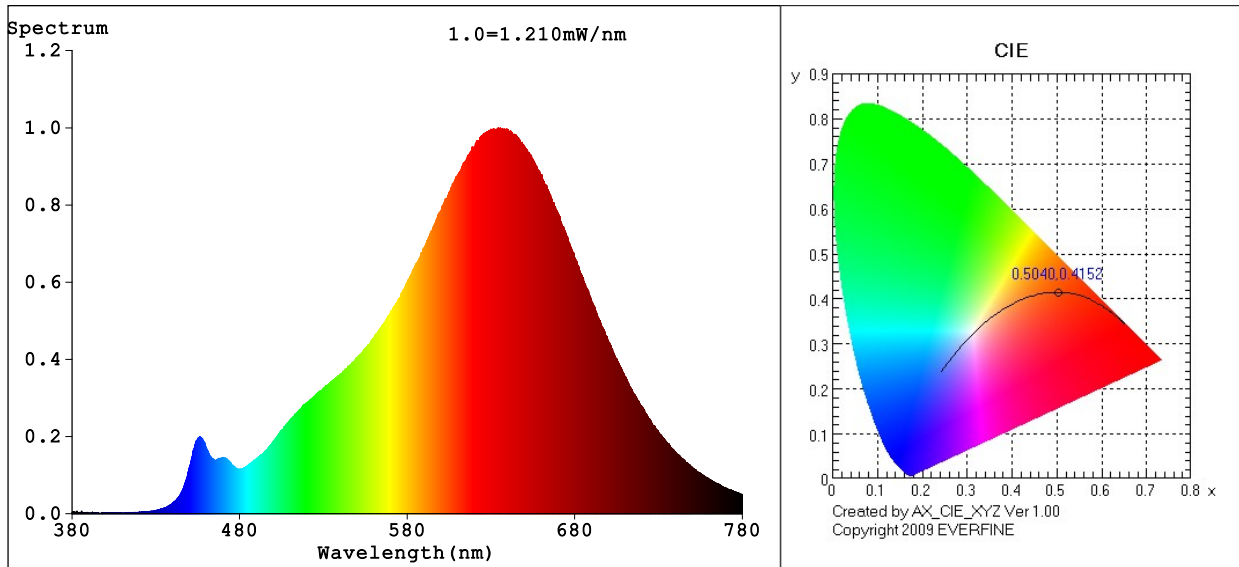
Lifespan Data

L70	100,000h
Switching Cycles	100,000

Compliance Data

EMI	Yes
RCM	N/A
Mercury Content	0mg

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.5040$ $y=0.4152$ / $u'=0.2890$ $v'=0.5358$
 CCT=2216K (Duv=-0.0000) Dominant WL:Ld =587.2nm WL:Lc = --nm Purity=75.9%
 Ratio:R=31.6% G=66.6% B=1.8%; Peak WL:Lp=634.4nm FWHM=128.4nm
 Render Index:Ra=94.3 AvgR=92.8 TM30:Rf=92 Rg=98

R1 =95 R2 =99 R3 =98 R4 =95 R5 =96 R6 =97 R7 =91
 R8 =83 R9 =67 R10=97 R11=98 R12=89 R13=97 R14=99 R15=90

Photo Parameters:

Flux = 44.70 lm Eff. : 91.70 lm/W Fe = 181.3 mW

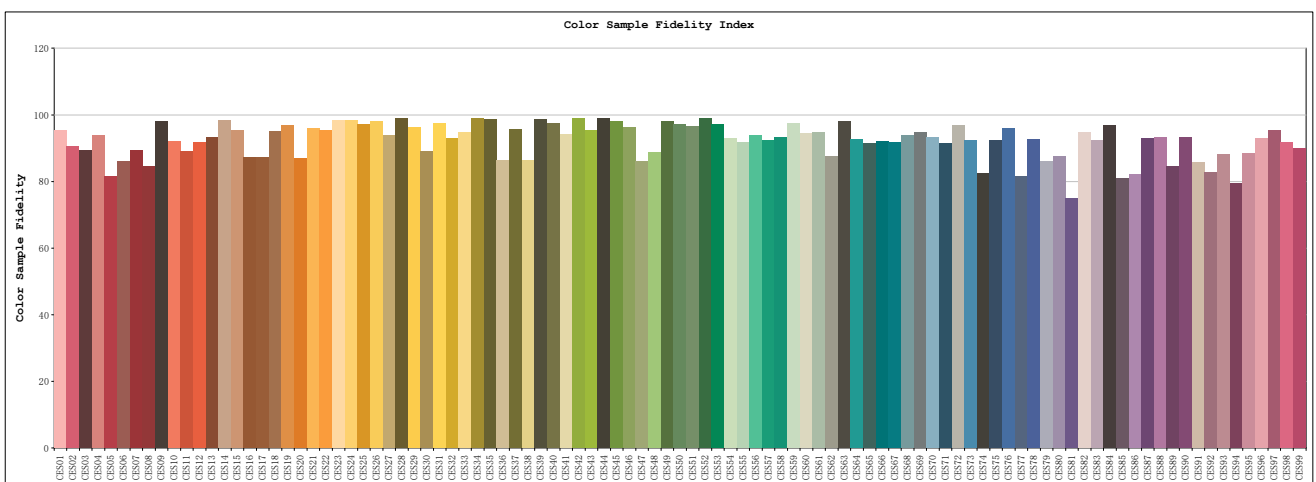
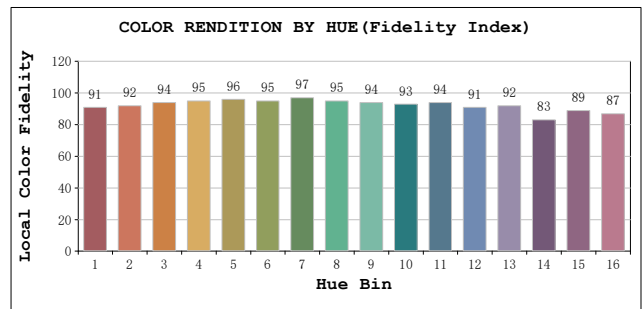
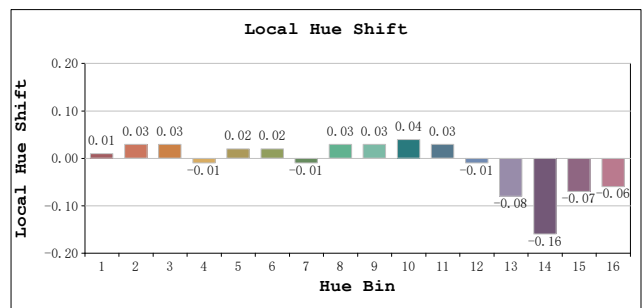
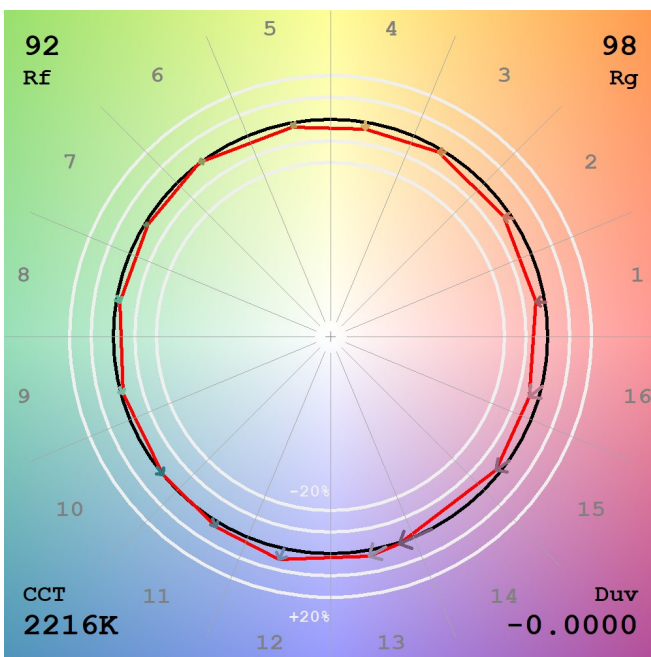
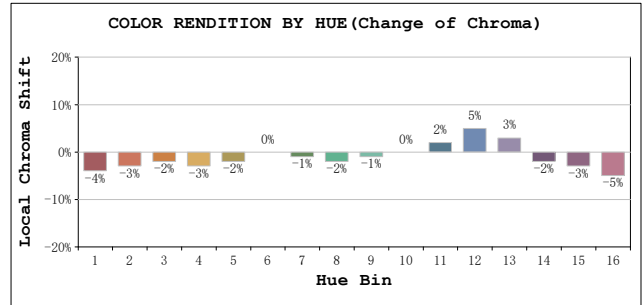
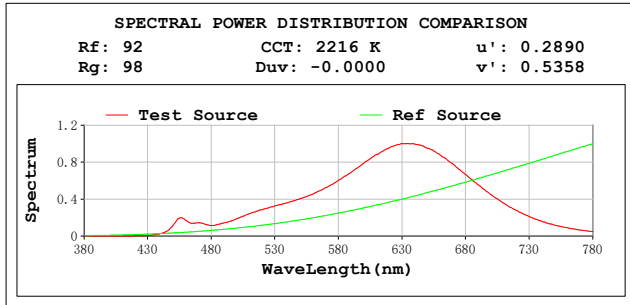
Electrical parameters:

V = 24.007 V I = 0.02031 A P = 0.4875 W PF = 1.000
 LEVEL:OUT WHITE:EXT_2200K
 Status: Integral T = 2731 ms Ip = 50030 (76%)

GBT5702

TM30

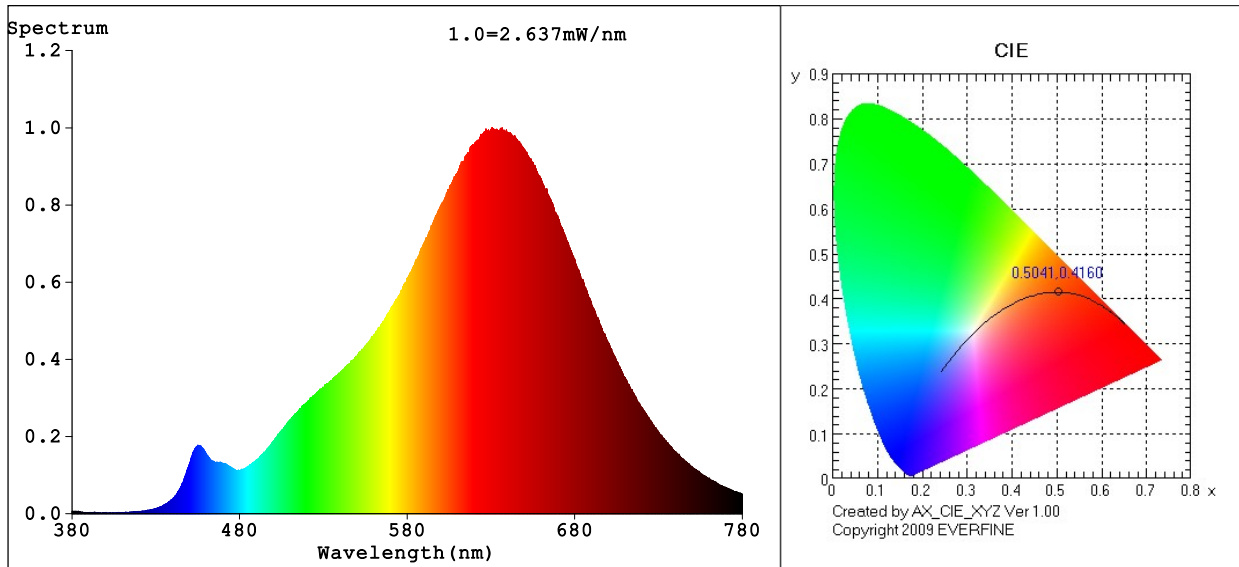
View Angle:2 Deg



Model:AQF-G-005-2200K
 Tester:EC
 Temperature:25.3Deg
 Manufacturer:AQUALUX

Number:AQF-G-005-2200K 24V DC
 Date:2023-10-23 16:59:40
 Humidity:65.0%
 Remarks:24VDC

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.5041$ $y=0.4160$ / $u'=0.2887$ $v'=0.5361$
 CCT=2221K (Duv=0.0002) Dominant WL:Ld =587.0nm WL:Lc = --nm Purity=76.2%
 Ratio:R=31.4% G=66.9% B=1.7%; Peak WL:Lp=630.8nm FWHM=128.3nm
 Render Index:Ra=93.9 AvgR=92.0 TM30:Rf=93 Rg=98

R1 =94 R2 =98 R3 =99 R4 =94 R5 =95 R6 =98 R7 =91
 R8 =82 R9 =64 R10=95 R11=97 R12=90 R13=95 R14=99 R15=89

Photo Parameters:

Flux = 98.35 lm Eff. : 64.28 lm/W Fe = 395.2 mW

Electrical parameters:

V = 23.986 V I = 0.07189 A P = 1.530 W PF = 0.8873

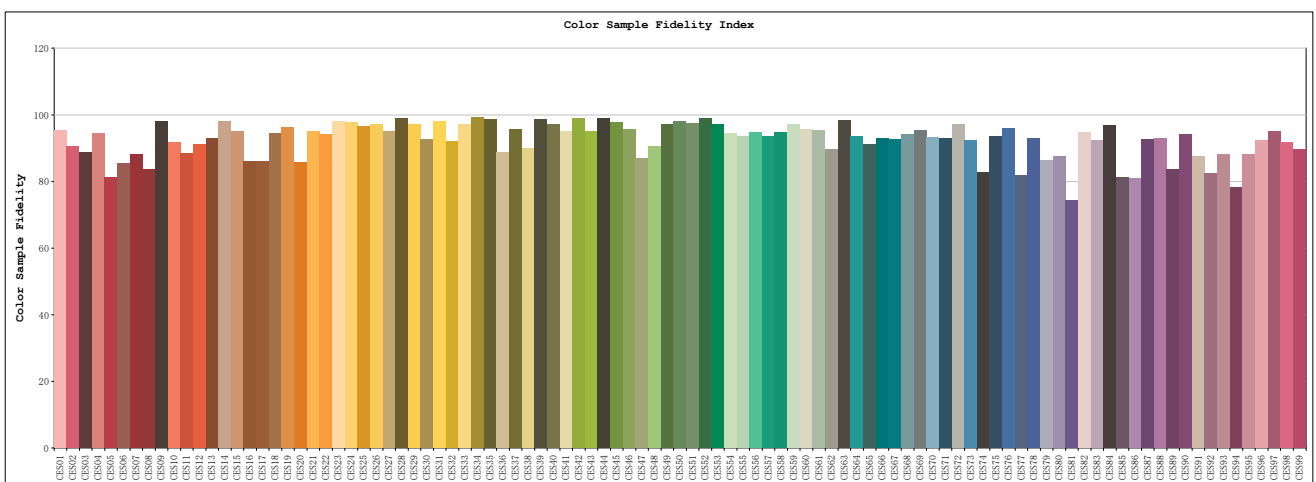
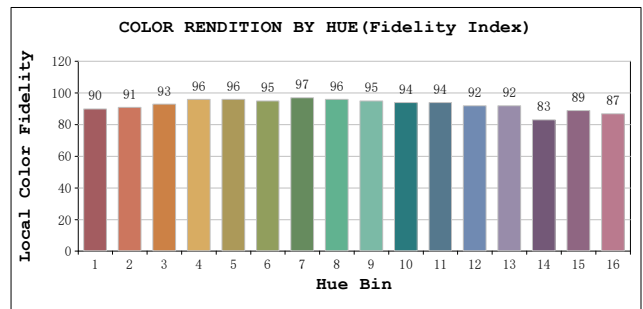
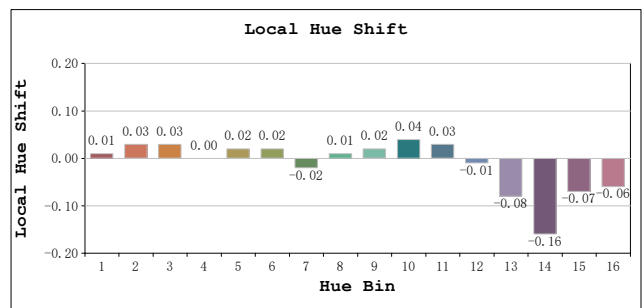
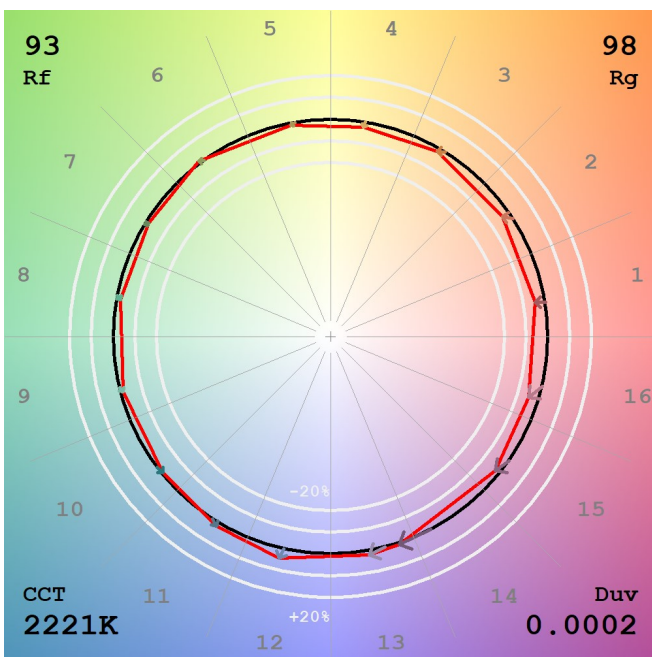
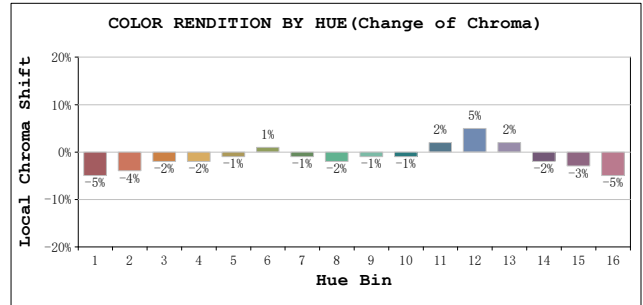
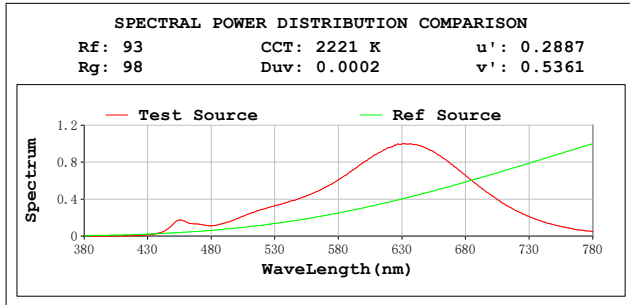
LEVEL:OUT WHITE:EXT_2200K

Status: Integral T = 1000 ms Ip = 40212 (61%)

GBT5702

TM30

View Angle:2 Deg



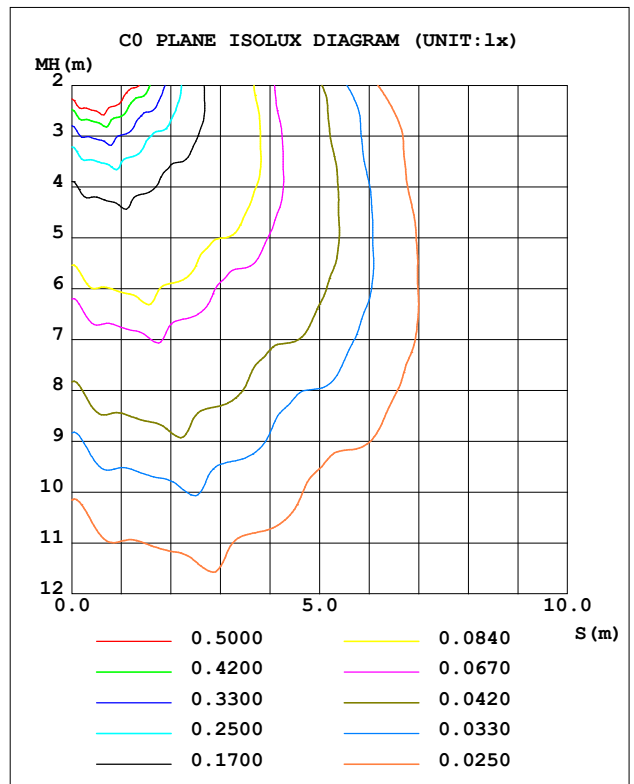
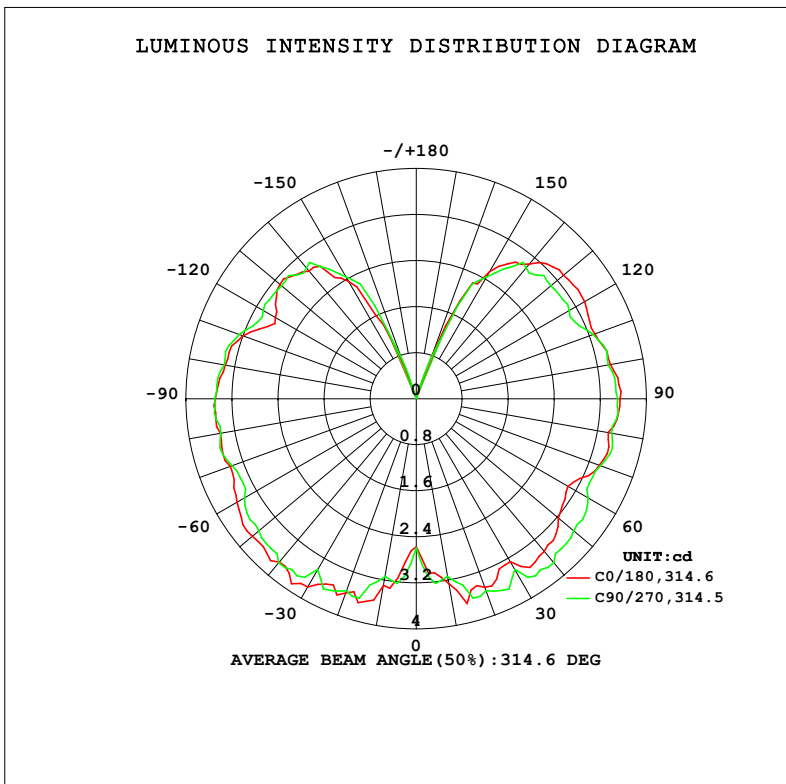
Model:AQF-G-005-2200K
 Tester:EC
 Temperature:25.3Deg
 Manufacturer:AQUALUX

Number:AQF-G-005-2200K 24V AC
 Date:2023-10-23 17:02:39
 Humidity:65.0%
 Remarks:24VAC

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.985V I:0.0211A P:0.5066W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:40.6499x1 lm		
NAME: AQF-G-005-2200K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			Eff: 80.24 lm/W
MODEL		I _{max} (cd)	4.037	S/MH (C0/180)	2.01
NOMINAL POWER (W)	2	LOR (%)	100.0	S/MH (C90/270)	1.99
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	40.650	η UP, DN (C0-180)	22.8, 27.2
NOMINAL FLUX (lm)	40.6499	CIE CLASS	DIFFUSE	η UP, DN (C180-360)	22.6, 27.4
LAMPS INSIDE	1	η up (%)	45.5	CIBSE SHR NOM	1.75
TEST VOLTAGE (V)	24	η down (%)	54.5	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-005-2200K
 2W / 2200K
 24V DC

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

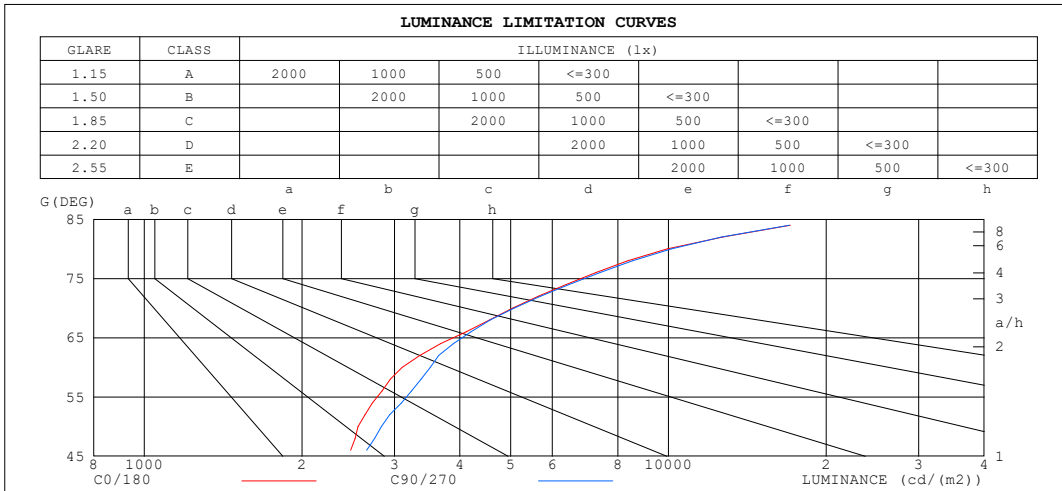
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	∅ zone	∅ total	%lum, lamp
10	3.260	3.275	3.133	3.478	3.293	3.478	3.133	3.275	0- 10	0.3056	0.3056	0.75,0.75
20	3.483	3.485	3.553	3.711	3.592	3.711	3.553	3.485	10- 20	1.015	1.320	3.25,3.25
30	3.270	3.368	3.425	3.738	3.774	3.738	3.425	3.368	20- 30	1.666	2.986	7.34,7.34
40	3.464	3.607	3.717	3.846	3.703	3.846	3.717	3.607	30- 40	2.307	5.292	13,13
50	3.226	3.430	3.574	3.767	3.719	3.767	3.574	3.430	40- 50	2.810	8.103	19.9,19.9
60	3.045	3.392	3.448	3.588	3.593	3.588	3.448	3.392	50- 60	3.152	11.25	27.7,27.7
70	3.386	3.503	3.407	3.399	3.439	3.399	3.407	3.503	60- 70	3.386	14.64	36,36
80	3.388	3.535	3.451	3.457	3.453	3.457	3.451	3.535	70- 80	3.681	18.32	45.1,45.1
90	3.544	3.658	3.502	3.452	3.490	3.452	3.502	3.658	80- 90	3.844	22.17	54.5,54.5
100	3.428	3.527	3.386	3.315	3.372	3.315	3.386	3.527	90-100	3.810	25.98	63.9,63.9
110	3.302	3.425	3.271	3.094	3.202	3.094	3.271	3.425	100-110	3.570	29.55	72.7,72.7
120	3.380	3.392	3.072	2.917	2.824	2.917	3.072	3.392	110-120	3.139	32.68	80.4,80.4
130	3.342	3.446	3.055	2.968	3.094	2.968	3.055	3.446	120-130	2.830	35.51	87.4,87.4
140	3.057	3.208	2.971	2.952	2.898	2.952	2.971	3.208	130-140	2.430	37.94	93.3,93.3
150	2.548	2.515	2.450	2.398	2.357	2.398	2.450	2.515	140-150	1.781	39.73	97.7,97.7
160	0.7419	0.8516	0.7289	0.6925	0.5227	0.6925	0.7289	0.8516	150-160	0.8615	40.59	99.8,99.8
170	0.0218	0.0206	0.0226	0.0175	0.0178	0.0175	0.0226	0.0206	160-170	0.0613	40.65	100,100
180	0.0190	0.0178	0.0226	0.0202	0.0214	0.0202	0.0226	0.0178	170-180	0.0017	40.65	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-005-2200K
 2W / 2200K
 24V DC

LUMINANCE LIMITATION CURVES

Test:U:23.985V I:0.0211A P:0.5066W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:40.6499x1 lm		
NAME: AQF-G-005-2200K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	20484	20408
80	9940	10125
75	6802	6884
70	5044	5075
65	3812	4032
60	3103	3513
55	2790	3172
50	2556	2833
45	2466	2614

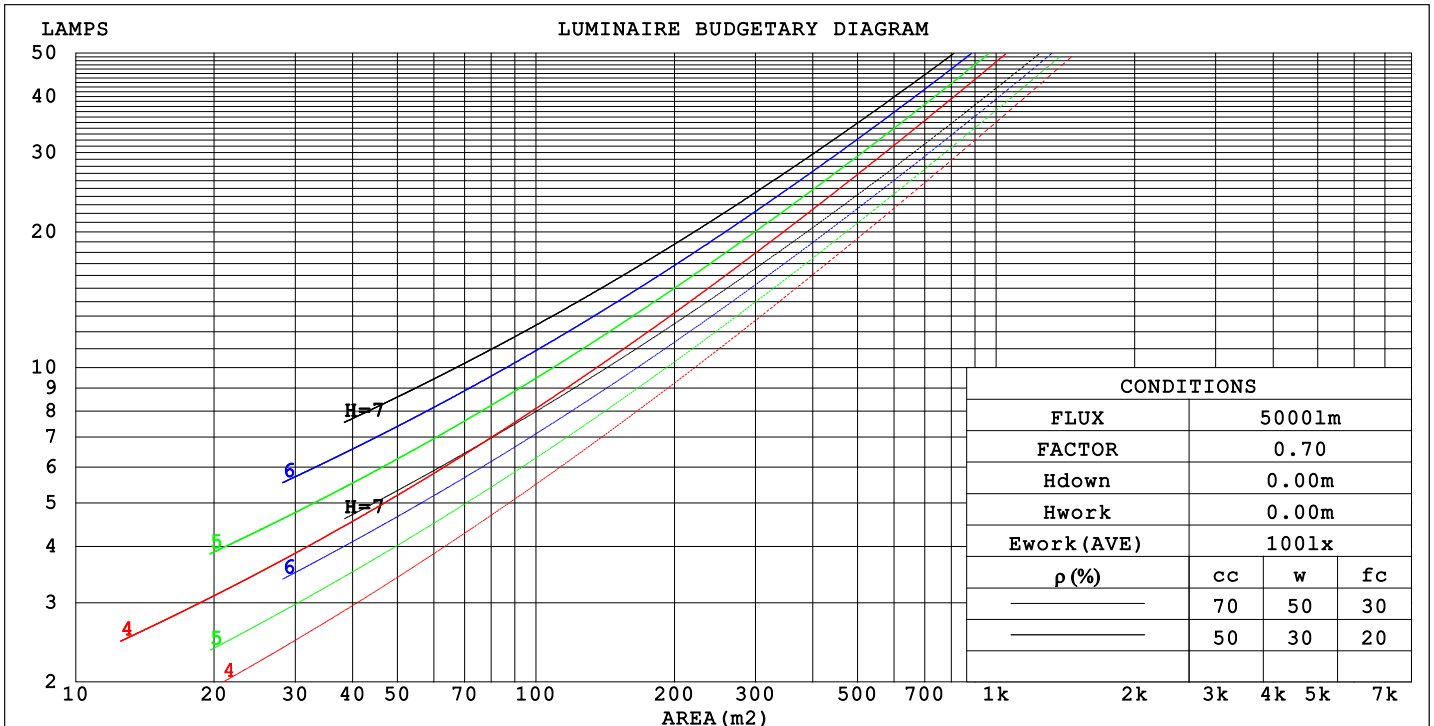
C Range: 0 - 180DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 20°C
 Operators: ELAINE
 Test Date: 24 October 2023

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-005-2200K
 2W / 2200K
 24V DC

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.985V I:0.0211A P:0.5066W PF:1.0000 Freq:0Hz		
UTHdi:0.00% ITHdi:0.00% KDisp:0 Lamp Flux:40.6499x1 lm		
NAME: AQF-G-005-2200K	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	1.00	1.00	1.00	.86	.86	.86	.73	.73	.73	.60	.60	.60	.55
1.0	.88	.82	.77	.81	.76	.72	.68	.65	.61	.57	.54	.51	.46	.44	.42	.37
2.0	.74	.66	.60	.69	.62	.56	.58	.52	.47	.48	.43	.40	.38	.35	.32	.27
3.0	.64	.55	.48	.59	.51	.45	.50	.43	.38	.41	.36	.32	.33	.29	.26	.21
4.0	.56	.47	.39	.52	.43	.37	.43	.37	.31	.36	.30	.26	.28	.24	.21	.17
5.0	.49	.40	.33	.46	.37	.31	.38	.32	.26	.32	.26	.22	.25	.21	.18	.14
6.0	.44	.35	.28	.41	.32	.26	.34	.27	.22	.28	.23	.19	.23	.18	.15	.12
7.0	.39	.31	.24	.36	.28	.23	.31	.24	.19	.25	.20	.16	.20	.16	.13	.10
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	.17	.25	.19	.15	.21	.16	.13	.17	.13	.10	.08
10.0	.30	.22	.17	.27	.20	.15	.23	.17	.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-005-2200K
 2W / 2200K
 24V DC

WEC AND CCEC

Test:U:23.985V I:0.0211A P:0.5066W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:40.6499x1 lm		
NAME: AQF-G-005-2200K	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	.406	.231	.073	.385	.220	.070	.345	.198	.063	.309	.178	.057	.276	.160	.052	
2.0	.340	.186	.057	.320	.177	.054	.284	.158	.049	.251	.141	.044	.220	.125	.039	
3.0	.297	.158	.047	.279	.150	.045	.246	.133	.041	.216	.118	.036	.188	.104	.032	
4.0	.264	.137	.040	.248	.130	.038	.218	.116	.035	.190	.102	.031	.164	.089	.027	
5.0	.239	.122	.035	.224	.115	.034	.197	.102	.030	.171	.090	.027	.147	.078	.024	
6.0	.218	.109	.031	.204	.103	.030	.179	.092	.027	.155	.081	.024	.133	.070	.021	
7.0	.200	.099	.028	.188	.094	.027	.164	.083	.024	.142	.073	.021	.121	.063	.019	
8.0	.185	.091	.025	.174	.086	.024	.152	.076	.022	.131	.067	.019	.112	.057	.017	
9.0	.172	.083	.023	.162	.079	.022	.141	.070	.020	.122	.061	.018	.104	.053	.015	
10.0	.161	.077	.021	.151	.073	.020	.132	.065	.018	.114	.057	.016	.097	.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	.537	.537	.537	.459	.459	.459	.313	.313	.313	.180	.180	.180	.058	.058	.058	
1.0	.536	.505	.476	.459	.433	.410	.314	.298	.283	.181	.172	.165	.058	.055	.053	
2.0	.530	.483	.444	.454	.416	.384	.311	.288	.268	.179	.167	.157	.058	.054	.051	
3.0	.523	.468	.424	.449	.404	.368	.308	.280	.258	.178	.164	.152	.057	.053	.050	
4.0	.516	.456	.411	.443	.394	.357	.304	.275	.252	.176	.161	.149	.057	.052	.049	
5.0	.508	.447	.402	.437	.387	.350	.301	.270	.247	.174	.159	.147	.056	.052	.048	
6.0	.501	.440	.396	.431	.381	.345	.297	.267	.244	.172	.157	.145	.056	.051	.048	
7.0	.494	.434	.391	.425	.376	.341	.294	.264	.242	.171	.155	.144	.055	.051	.048	
8.0	.488	.428	.388	.420	.372	.338	.291	.261	.240	.169	.154	.143	.055	.050	.047	
9.0	.482	.424	.385	.415	.368	.336	.288	.259	.238	.168	.153	.142	.054	.050	.047	
10.0	.476	.420	.383	.410	.365	.334	.285	.257	.237	.166	.152	.142	.054	.050	.047	

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-005-2200K
 2W / 2200K
 24V DC

UGR(Unified Glare Rating) Table

Test:U:23.985V I:0.0211A P:0.5066W PF:1.0000 Freq:0Hz										
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:40.6499x1 lm										
NAME: AQF-G-005-2200K					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	24.5	25.6	25.3	26.5	27.5	24.9	26.0	25.7	26.9	27.9
3H	27.9	28.9	28.7	29.7	30.8	28.0	29.0	28.8	29.9	31.0
4H	29.8	30.8	30.7	31.6	32.8	29.9	30.8	30.7	31.7	32.9
6H	31.8	32.7	32.7	33.6	34.8	31.9	32.8	32.8	33.7	34.9
8H	33.0	33.9	33.9	34.8	35.9	33.0	33.9	33.9	34.8	36.0
12H	34.4	35.2	35.2	36.1	37.3	34.4	35.2	35.3	36.1	37.3
4H 2H	25.6	26.5	26.4	27.4	28.6	25.8	26.8	26.7	27.7	28.8
3H	29.1	29.9	30.0	30.8	32.0	29.1	30.0	30.0	30.9	32.0
4H	31.1	31.9	32.0	32.8	34.0	31.2	31.9	32.1	32.9	34.0
6H	33.3	34.0	34.2	34.9	36.1	33.3	34.0	34.3	35.0	36.2
8H	34.6	35.2	35.5	36.1	37.4	34.6	35.2	35.5	36.2	37.4
12H	36.0	36.6	36.9	37.6	38.8	36.0	36.6	36.9	37.5	38.8
8H 4H	31.9	32.5	32.8	33.5	34.7	31.9	32.5	32.8	33.5	34.7
6H	34.3	34.9	35.3	35.8	37.1	34.3	34.9	35.3	35.9	37.1
8H	35.8	36.3	36.7	37.2	38.5	35.8	36.2	36.7	37.2	38.5
12H	37.4	37.9	38.4	38.9	40.2	37.4	37.8	38.4	38.8	40.1
12H 4H	32.1	32.7	33.0	33.6	34.9	32.1	32.7	33.1	33.7	34.9
6H	34.7	35.1	35.6	36.1	37.4	34.7	35.2	35.6	36.1	37.4
8H	36.2	36.7	37.2	37.7	38.9	36.2	36.6	37.2	37.6	38.9
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, 40.65 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -11.1)
 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-005-2200K
 2W / 2200K
 24V DC

UTILIZATION FACTORS TABLE

Test:U:23.985V I:0.0211A P:0.5066W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:40.6499x1 lm		
NAME: AQF-G-005-2200K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:

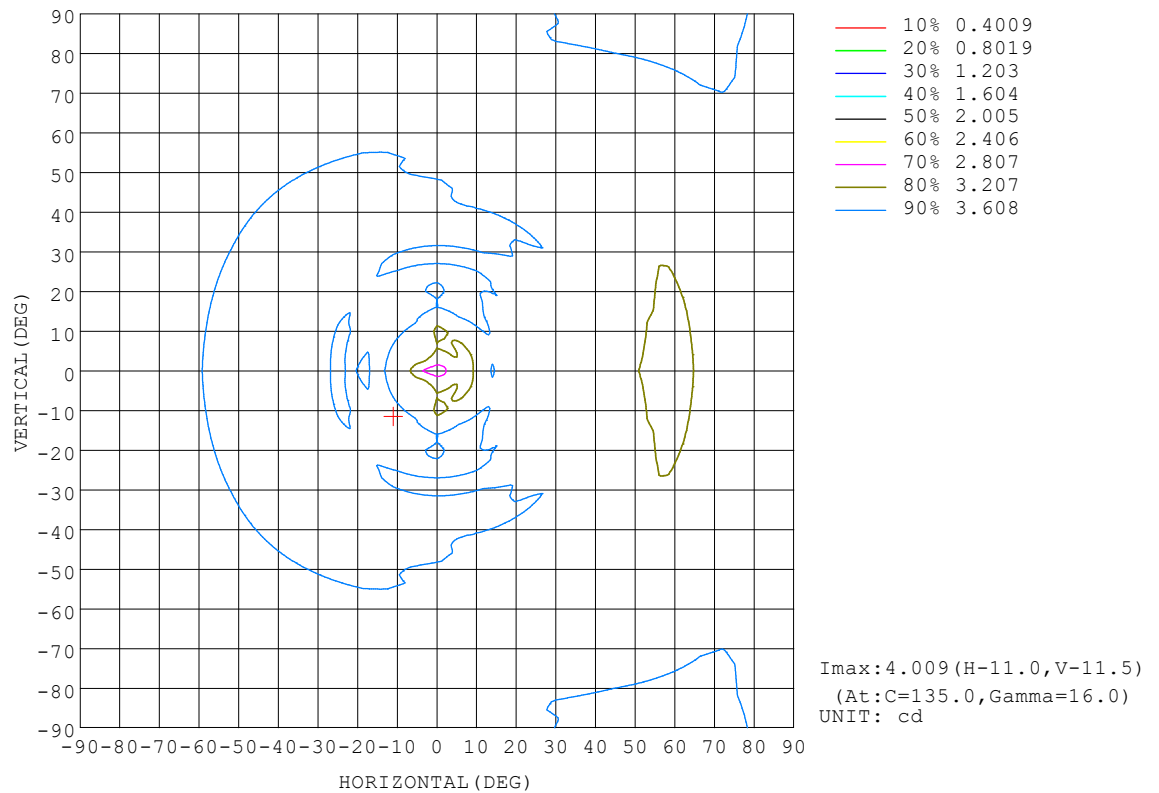
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	38	25	18	36	24	18	33	23	16	9
0.80	46	33	25	44	31	24	39	29	22	13
1.00	54	40	31	50	38	30	45	36	27	16
1.25	61	47	37	57	44	36	50	39	32	19
1.50	66	52	43	61	49	41	53	44	36	22
2.00	73	61	51	68	57	49	59	50	43	26
2.50	78	67	57	73	62	54	63	54	48	29
3.00	82	71	63	76	67	59	66	58	52	31
4.00	87	78	70	81	73	66	69	63	58	35
5.00	91	83	76	84	77	71	72	66	61	37
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-005-2200K
 2W / 2200K
 24V DC

ISOCANDELA DIAGRAM

Test:U:23.985V I:0.0211A P:0.5066W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:40.6499x1 lm		
NAME: AQF-G-005-2200K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:

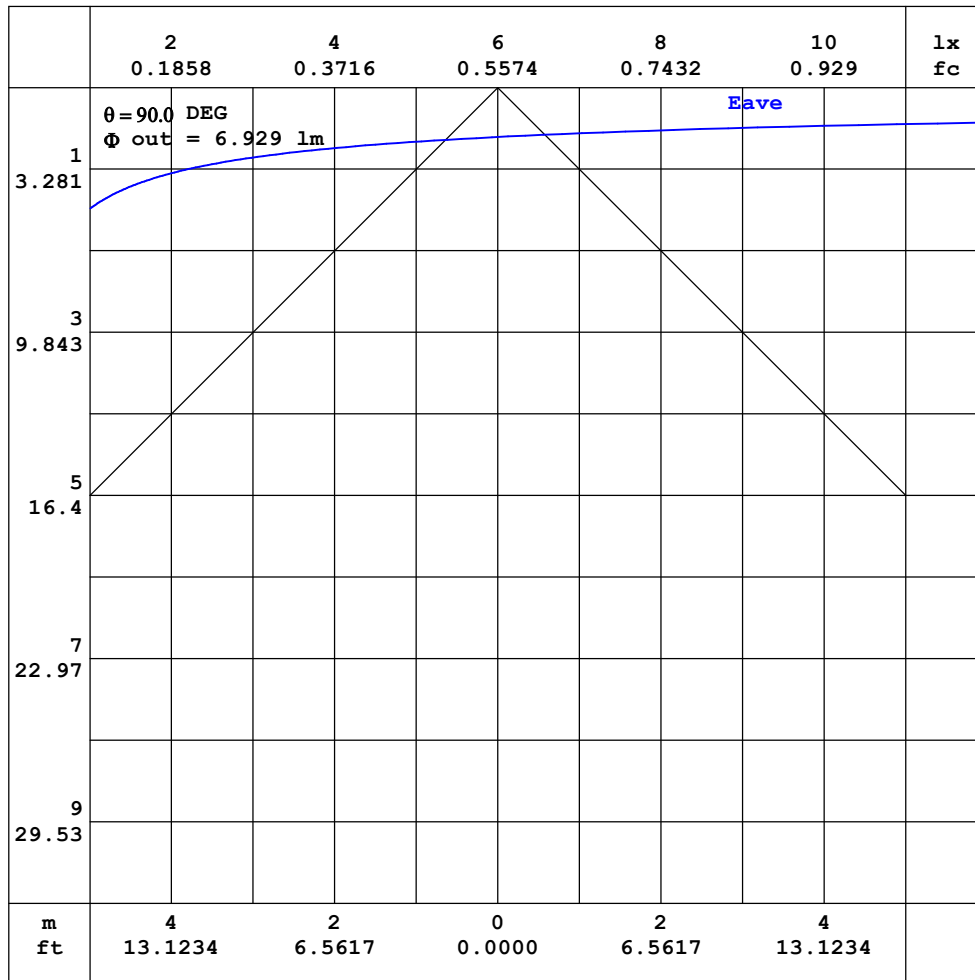


C Range: 0 - 180DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 20°C
 Operators: ELAINE
 Test Date: 24 October 2023

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-005-2200K
 2W / 2200K
 24V DC

AAI CURVES

Test:U:23.985V I:0.0211A P:0.5066W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:40.6499x1 lm		
NAME: AQF-G-005-2200K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:



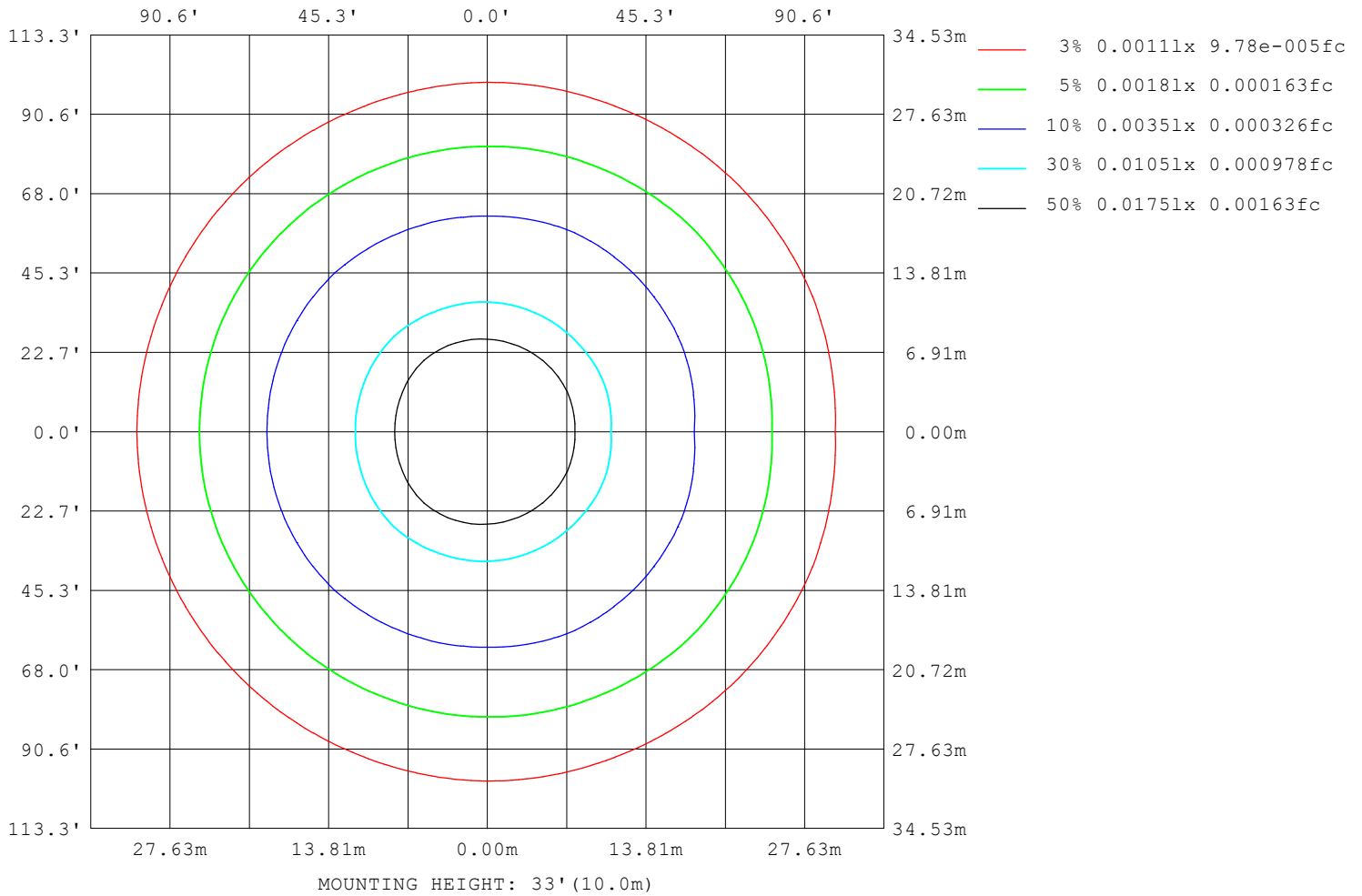
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 180DEG
 C Interval: 22.5DEG
 Test Speed: 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-005-2200K
 2W / 2200K
 24V DC

ISOLUX DIAGRAM

Test:U:23.985V I:0.0211A P:0.5066W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:40.6499x1 lm		
NAME: AQF-G-005-2200K	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-005-2200K
 2W / 2200K
 24V DC

LED Avg.L Report

Test:U:23.985V I:0.0211A P:0.5066W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:40.6499x1 lm		
NAME: AQF-G-005-2200K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:

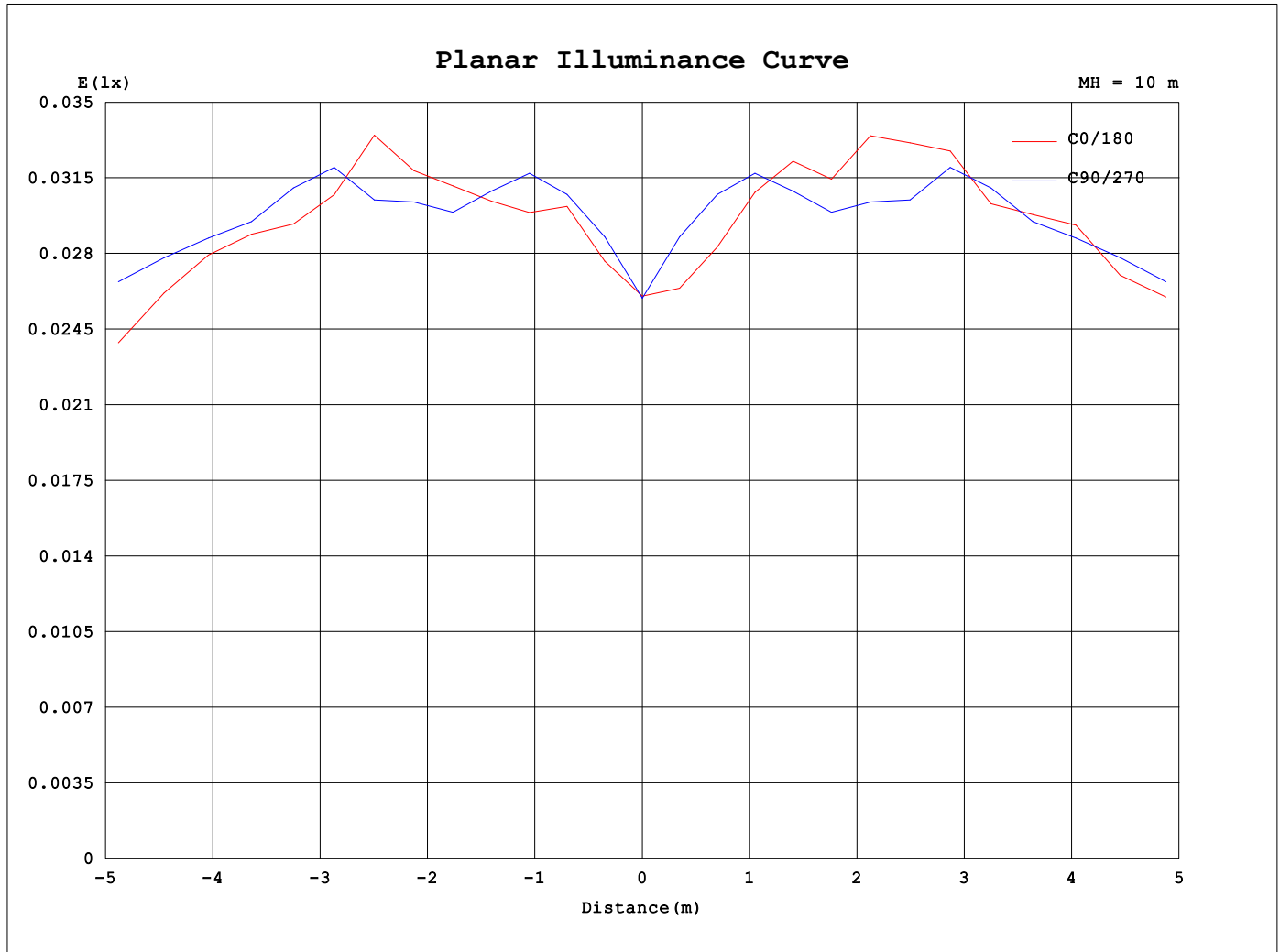
AvgL	cd/m2
L_0~180 (65) av	4049
L_0~180 (75) av	6839
L_0~180 (85) av	20486
L_90~270 (65) av	4035
L_90~270 (75) av	6910
L_90~270 (85) av	20510
L_45 (65) av	4155
L_45 (75) av	6929
L_45 (85) av	20919

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-005-2200K
 2W / 2200K
 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-005-2200K
 2W / 2200K
 24V DC

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.985V I:0.0211A P:0.5066W PF:1.0000 Freq:0Hz		
UTHdi:0.00% ITHdi:0.00% KDisp:0 Lamp Flux:40.6499x1 lm		
NAME: AQF-G-005-2200K	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	2.58	2.58	2.59	2.59	2.59	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.59	2.59	2.59	2.58			
5	3.04	3.03	3.01	2.94	3.10	3.22	3.25	3.14	2.85	3.14	3.25	3.22	3.10	2.94	3.01	3.03			
10	3.26	3.27	3.27	3.24	3.13	3.50	3.48	3.38	3.29	3.38	3.48	3.50	3.13	3.24	3.27	3.27			
15	3.67	3.49	3.48	3.53	3.34	3.63	3.70	3.87	3.63	3.87	3.70	3.63	3.34	3.53	3.48	3.49			
20	3.48	3.50	3.49	3.79	3.55	3.70	3.71	3.72	3.59	3.72	3.71	3.70	3.55	3.79	3.49	3.50			
25	3.43	3.54	3.61	3.63	3.65	3.69	3.93	3.58	3.54	3.58	3.93	3.69	3.65	3.63	3.61	3.54			
30	3.27	3.39	3.37	3.51	3.42	3.55	3.74	3.81	3.77	3.81	3.74	3.55	3.42	3.51	3.37	3.39			
35	3.53	3.60	3.55	3.69	3.71	3.78	3.85	3.83	3.88	3.83	3.85	3.78	3.71	3.69	3.55	3.60			
40	3.46	3.57	3.61	3.67	3.72	3.83	3.85	3.73	3.70	3.73	3.85	3.83	3.72	3.67	3.61	3.57			
45	3.42	3.50	3.53	3.54	3.63	3.68	3.84	3.83	3.74	3.83	3.84	3.68	3.63	3.54	3.53	3.50			
50	3.23	3.41	3.43	3.47	3.57	3.66	3.77	3.73	3.72	3.73	3.77	3.66	3.57	3.47	3.43	3.41			
55	3.14	3.31	3.40	3.45	3.57	3.65	3.72	3.72	3.72	3.72	3.72	3.65	3.57	3.45	3.40	3.31			
60	3.05	3.26	3.39	3.46	3.45	3.52	3.59	3.57	3.59	3.57	3.59	3.52	3.45	3.46	3.39	3.26			
65	3.16	3.30	3.34	3.40	3.34	3.38	3.54	3.54	3.53	3.54	3.54	3.38	3.34	3.40	3.34	3.30			
70	3.39	3.47	3.50	3.42	3.41	3.36	3.40	3.45	3.44	3.45	3.40	3.36	3.41	3.42	3.50	3.47			
75	3.46	3.57	3.55	3.51	3.50	3.42	3.47	3.42	3.49	3.42	3.47	3.42	3.50	3.51	3.55	3.57			
80	3.39	3.55	3.53	3.51	3.45	3.41	3.46	3.43	3.45	3.43	3.46	3.41	3.45	3.51	3.53	3.55			
85	3.50	3.64	3.65	3.59	3.49	3.43	3.49	3.47	3.50	3.47	3.49	3.43	3.49	3.59	3.65	3.64			
90	3.54	3.67	3.66	3.59	3.50	3.46	3.45	3.45	3.49	3.45	3.45	3.46	3.50	3.59	3.66	3.67			
95	3.53	3.66	3.62	3.54	3.47	3.42	3.42	3.42	3.45	3.42	3.42	3.42	3.47	3.54	3.62	3.66			
100	3.43	3.54	3.53	3.48	3.39	3.31	3.32	3.32	3.37	3.32	3.32	3.31	3.39	3.48	3.53	3.54			
105	3.42	3.60	3.50	3.51	3.41	3.30	3.27	3.29	3.35	3.29	3.27	3.30	3.41	3.51	3.50	3.60			
110	3.30	3.46	3.42	3.40	3.27	3.18	3.09	3.15	3.20	3.15	3.09	3.18	3.27	3.40	3.42	3.46			
115	3.30	3.39	3.41	3.25	3.11	3.01	2.99	3.01	2.98	3.01	2.99	3.01	3.11	3.25	3.41	3.39			
120	3.38	3.50	3.39	3.20	3.07	2.98	2.92	2.85	2.82	2.85	2.92	2.98	3.07	3.20	3.39	3.50			
125	3.39	3.56	3.50	3.25	3.08	2.97	2.90	2.88	2.95	2.88	2.90	2.97	3.08	3.25	3.50	3.56			
130	3.34	3.45	3.45	3.23	3.06	3.01	2.97	3.00	3.09	3.00	2.97	3.01	3.06	3.23	3.45	3.45			
135	3.30	3.43	3.46	3.22	3.09	2.98	2.97	2.99	3.05	2.99	2.97	2.98	3.09	3.22	3.46	3.43			
140	3.06	3.16	3.21	3.07	2.97	2.97	2.95	2.95	2.90	2.95	2.95	2.97	2.97	3.07	3.21	3.16			
145	2.93	3.11	3.15	2.97	2.84	2.82	2.88	2.88	2.84	2.88	2.88	2.82	2.84	2.97	3.15	3.11			
150	2.55	2.54	2.52	2.53	2.45	2.40	2.40	2.37	2.36	2.37	2.40	2.40	2.45	2.53	2.52	2.54			
155	2.24	2.51	2.51	2.27	2.22	2.20	2.10	1.75	1.63	1.75	2.10	2.20	2.22	2.27	2.51	2.51			
160	0.74	0.81	0.85	0.76	0.73	0.76	0.69	0.59	0.52	0.59	0.69	0.76	0.73	0.76	0.85	0.81			
165	0.18	0.25	0.24	0.21	0.09	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.09	0.21	0.24	0.25			
170	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02			
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	0.02	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			

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-005-2200K
 2W / 2200K
 24V DC