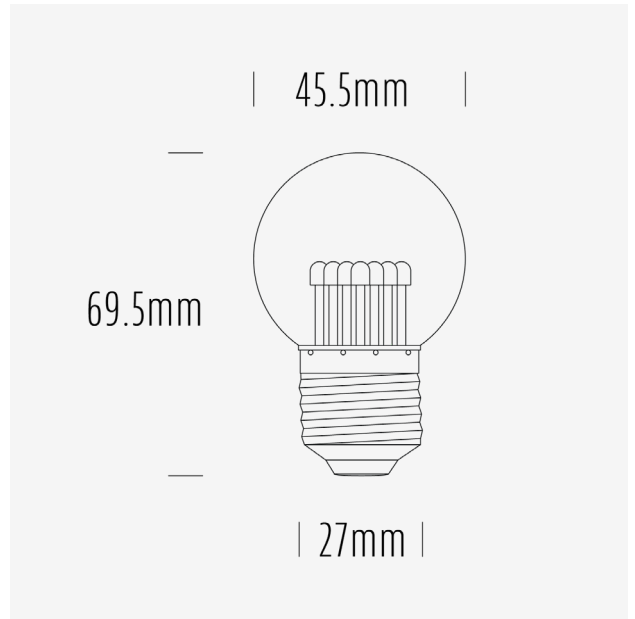


AGL G Series

E27 LED Globes



AQF-G-002-2700K / 2700K / E27



Product Data

Product Code	AQF-G-002-2700K
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	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)	- - 37 42
Efficacy (lm/W)	- - 105 81
CCT	2700K
CCT Description	Warm White
CRI (Ra)	94
CRI (R9)	62
TM-30 (Rf)	92
TM-30 (Rg)	99
SDCM	-
Peak Intensity (cd)	11.9
Nominal Beam Angle	-
Measured Beam Angle (FWHM)	150°

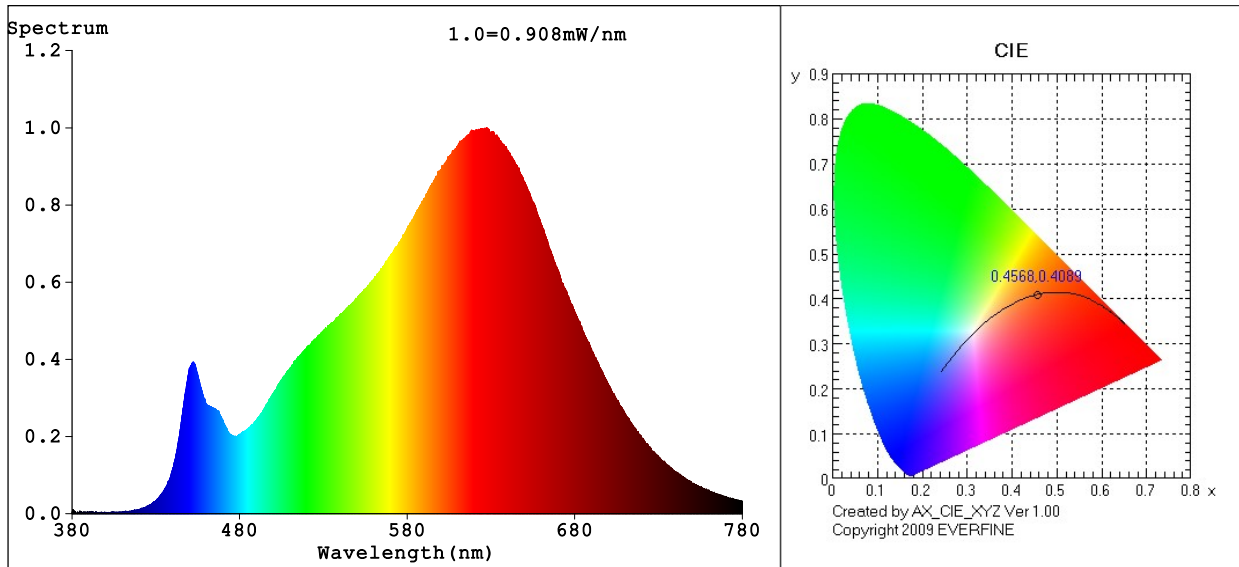
Lifespan Data

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=0.4568 y=0.4089/u'=0.2613 v'=0.5263
 CCT=2730K(Duv=-0.0004) Dominant WL:Ld =584.2nm WL:Lc = --nm Purity=59.9%
 Ratio:R=26.3% G=71.1% B=2.6%; Peak WL:Lp=627.5nm FWHM=146.3nm
 Render Index:Ra=93.3 AvgR=90.9 TM30:Rf=92 Rg=99

R1 =94 R2 =98 R3 =99 R4 =93 R5 =94 R6 =97 R7 =91
 R8 =81 R9 =60 R10=94 R11=95 R12=85 R13=95 R14=99 R15=89

Photo Parameters:

Flux = 41.57 lm Eff. : 81.12 lm/W Fe = 147.2 mW

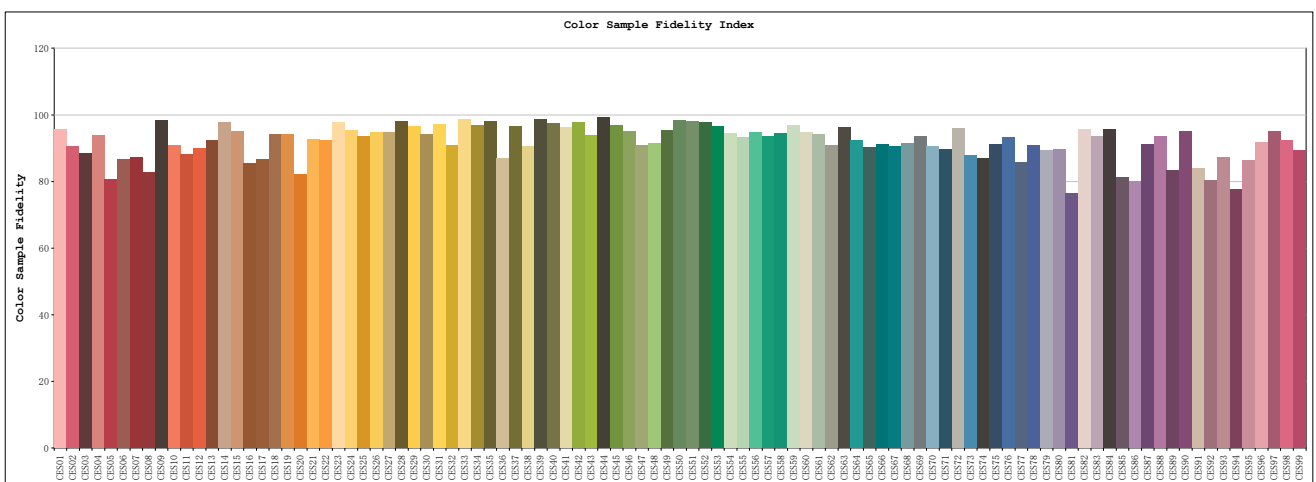
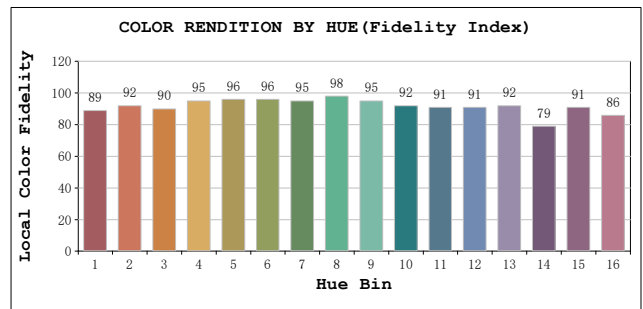
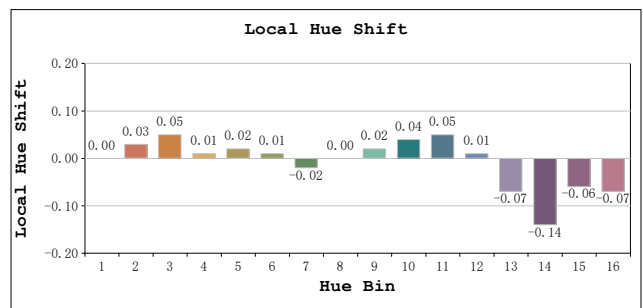
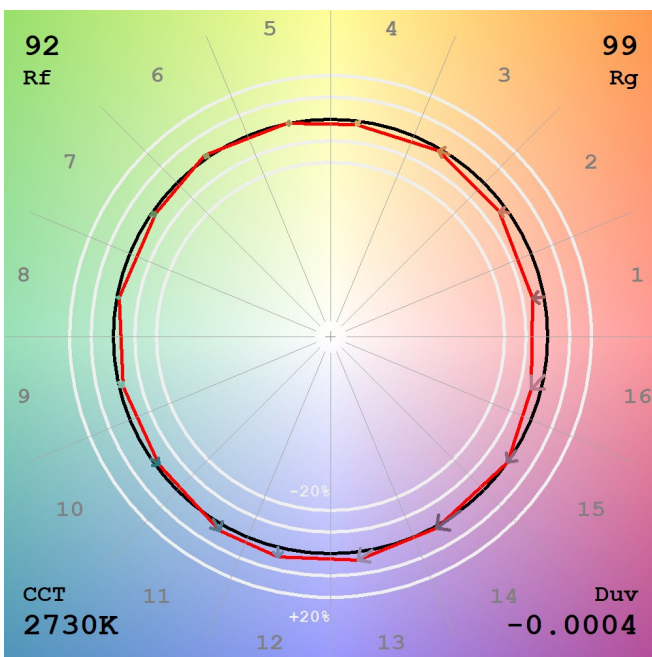
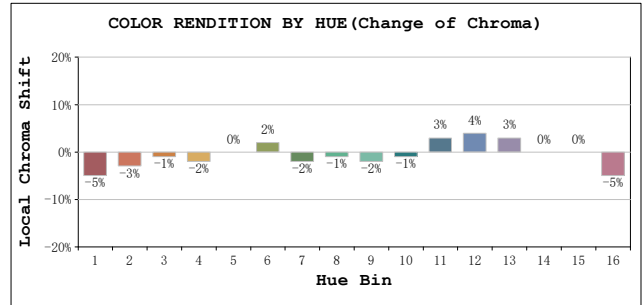
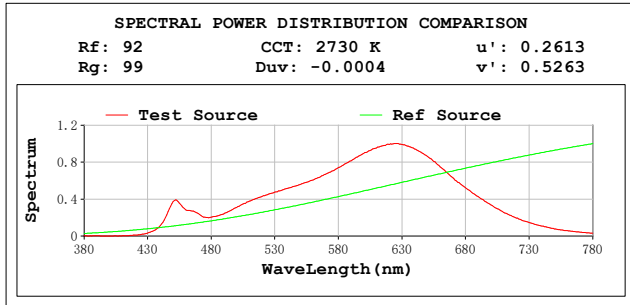
Electrical parameters:

V = 23.995 V I = 0.02324 A P = 0.5124 W PF = 0.9188
 LEVEL:OUT WHITE:ANSI_2700K
 Status: Integral T = 3426 ms Ip = 49258 (75%)

GBT5702

TM30

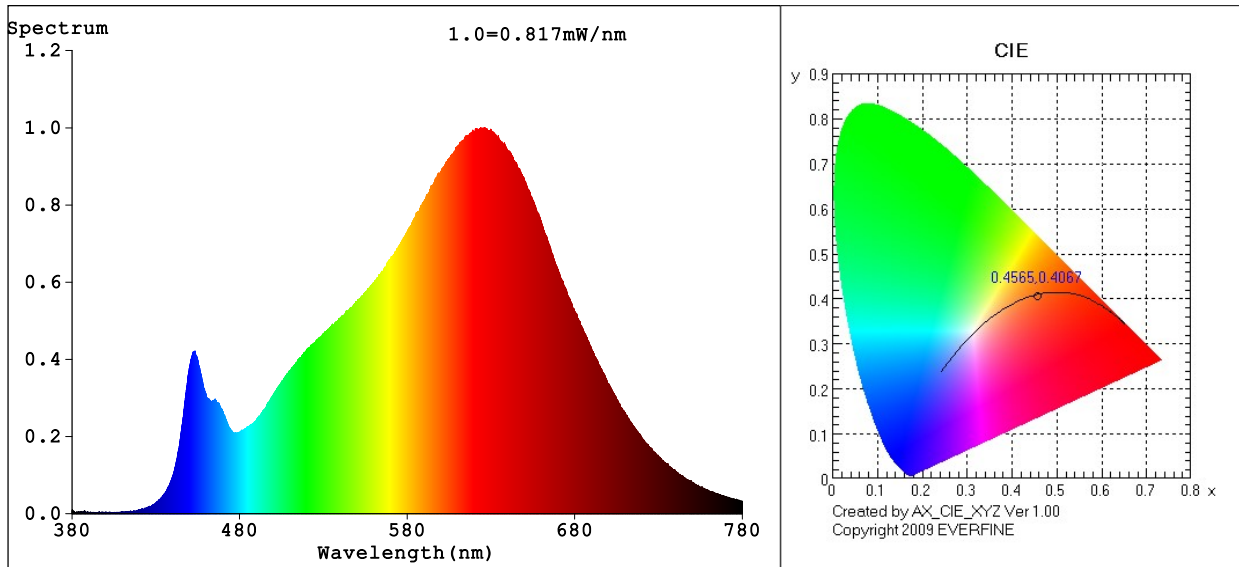
View Angle:2 Deg



Model:AQF-G-002-2700K
 Tester:EC
 Temperature:25.3Deg
 Manufacturer:AQUALUX

Number:AQF-G-002-2700K 24V AC
 Date:2023-10-23 16:11:29
 Humidity:65.0%
 Remarks:24VAC

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4565$ $y=0.4067$ / $u'=0.2621$ $v'=0.5253$
 CCT=2717K (Duv=-0.0012) Dominant WL:Ld =584.5nm WL:Lc = --nm Purity=59.1%
 Ratio:R=26.5% G=70.8% B=2.7%; Peak WL:Lp=626.2nm FWHM=144.0nm
 Render Index:Ra=93.5 AvgR=91.4 TM30:Rf=92 Rg=99

R1 =94 R2 =99 R3 =98 R4 =93 R5 =94 R6 =97 R7 =91
 R8 =82 R9 =62 R10=96 R11=95 R12=85 R13=96 R14=100 R15=90

Photo Parameters:

Flux = 37.04 lm Eff. : 105.23 lm/W Fe = 132.1 mW

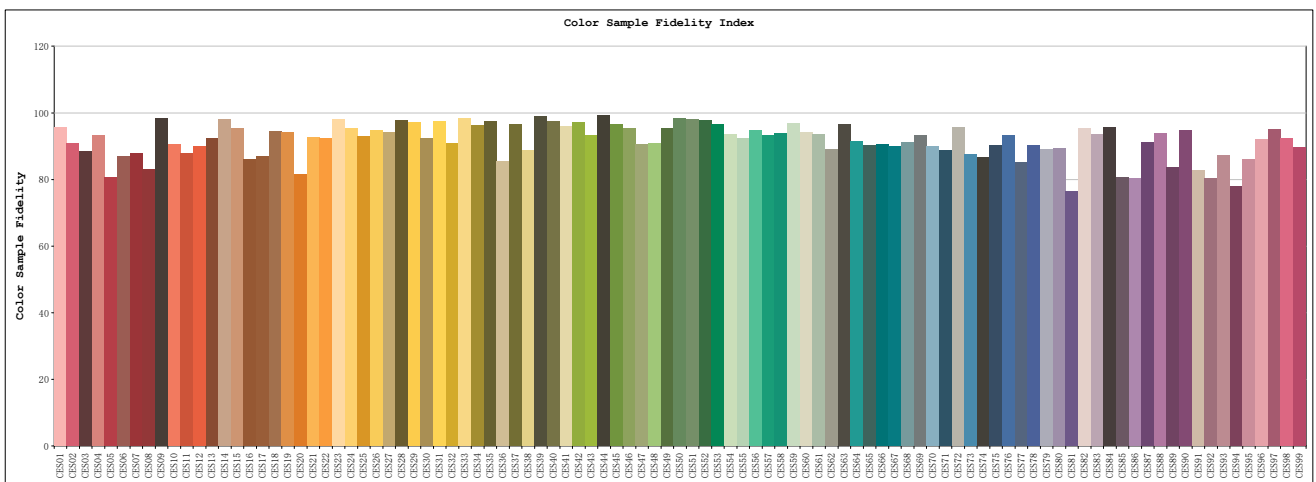
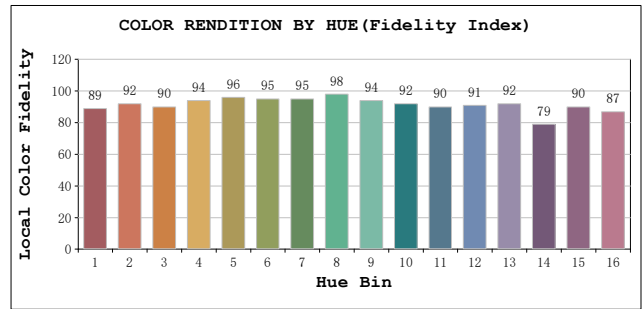
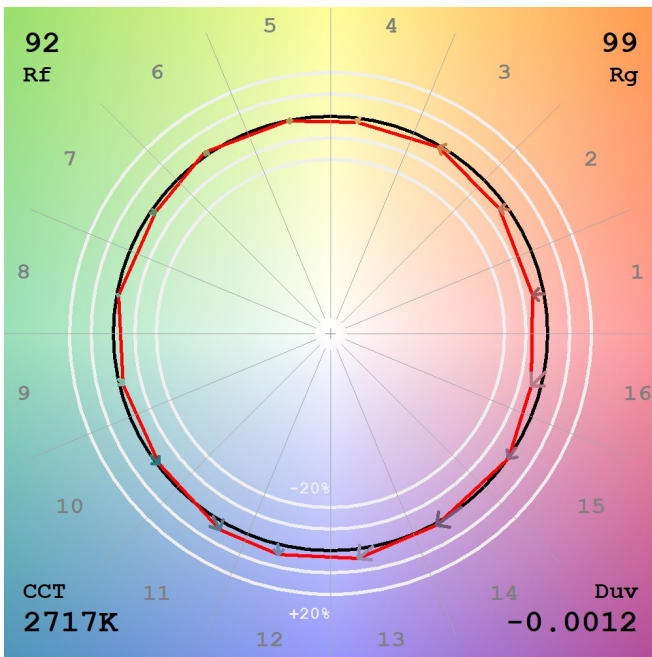
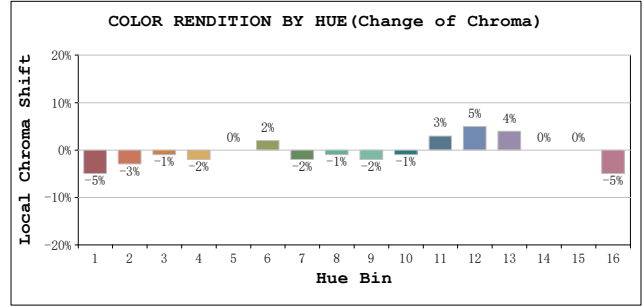
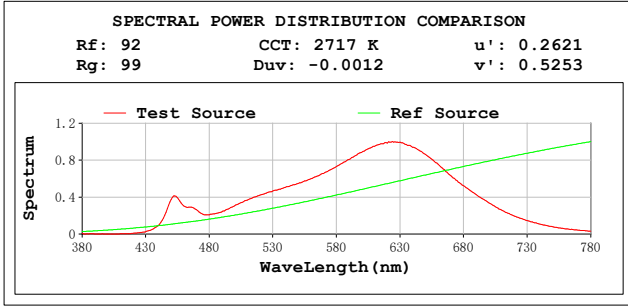
Electrical parameters:

V = 24.004 V I = 0.01466 A P = 0.3520 W PF = 1.0000
 LEVEL:OUT WHITE:ANSI_2700K
 Status: Integral T = 3794 ms Ip = 48915 (75%)

GBT5702

TM30

View Angle: 2 Deg



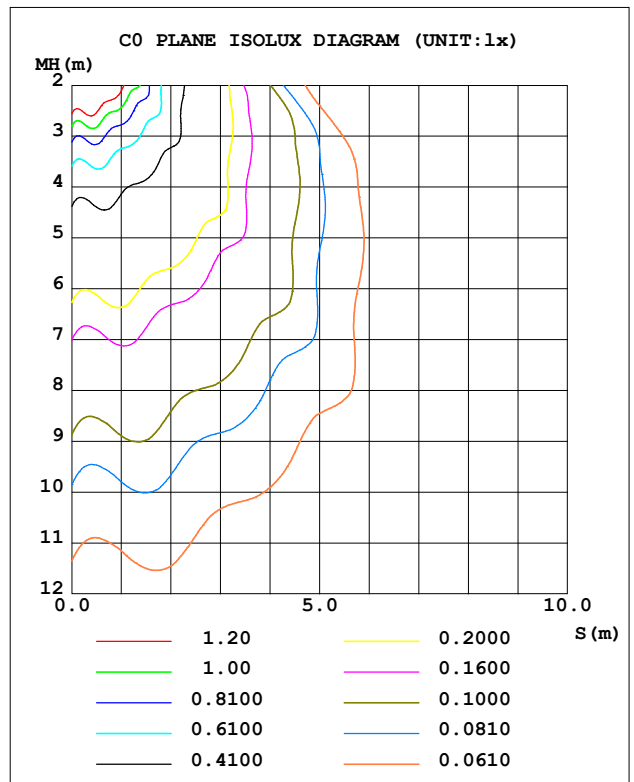
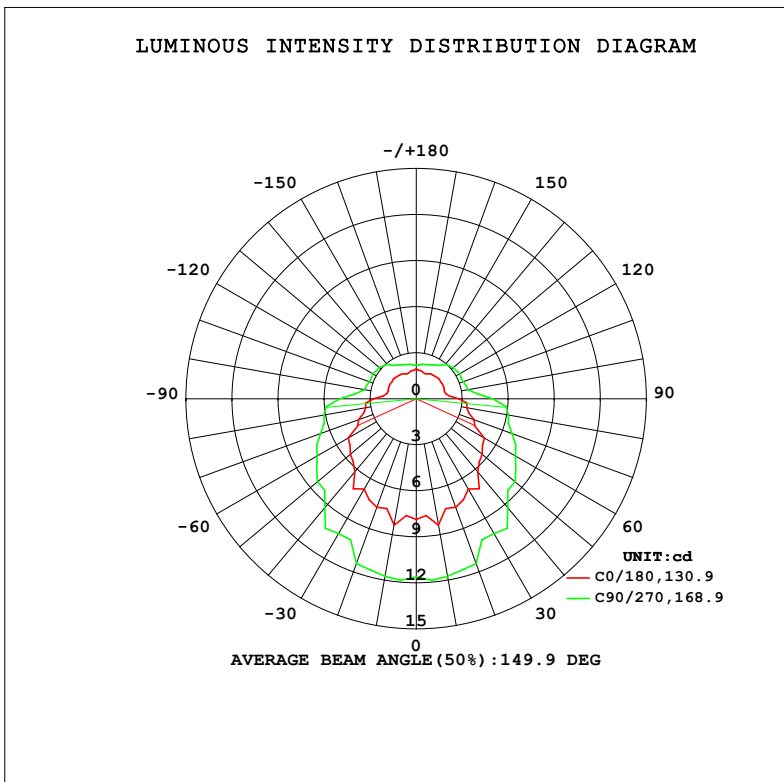
Model:AQF-G-002-2700K
 Tester:EC
 Temperature:25.3Deg
 Manufacturer:AQUALUX

Number:AQF-G-002-2700K 24V DC
 Date:2023-10-23 16:13:29
 Humidity:65.0%
 Remarks:24VDC

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.983V I:0.0148A P:0.3561W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:56.76x1 lm		
NAME: AQF-G-002-2700K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax (cd)	11.87	S/MH (C0/180)	1.41
NOMINAL POWER (W)	0.5	LOR (%)	100.0	S/MH (C90/270)	1.37
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	56.760	η UP, DN (C0-180)	14.4, 35.6
NOMINAL FLUX (lm)	56.76	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	14.4, 35.6
LAMPS INSIDE	1	η up (%)	28.8	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	24	η down (%)	71.2	CIBSE SHR MAX	1.35



C Range: 0 - 90DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 20°C
 Operator: ELAINE
 Test Date: 24 October 2023

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity: 65.0%
 Test Distance: 3.100m [K=1.0000]
 Remarks: AQF-G-002-2700K
 0.5W / 2700K
 24V DC

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

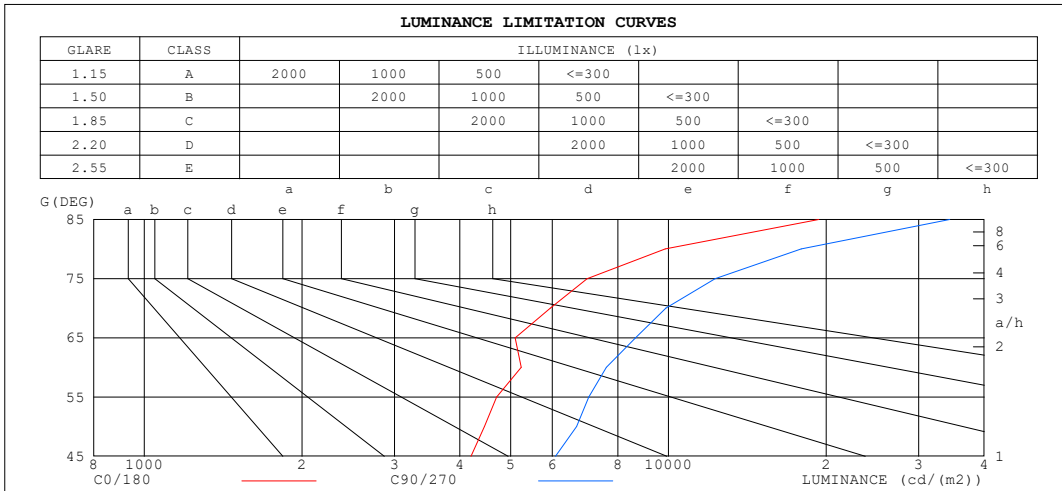
γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum, lamp
10	8.367	11.75	8.367	11.75					0- 10	0.9420	0.9420	1.66,1.66
20	7.517	11.42	7.517	11.42					10- 20	2.721	3.663	6.45,6.45
30	6.795	10.14	6.795	10.14					20- 30	4.082	7.745	13.6,13.6
40	6.228	9.284	6.228	9.284					30- 40	5.286	13.03	23,23
50	5.619	8.421	5.619	8.421					40- 50	5.618	18.65	32.9,32.9
60	5.142	7.473	5.142	7.473					50- 60	5.948	24.60	43.3,43.3
70	3.997	6.638	3.997	6.638					60- 70	5.708	30.31	53.4,53.4
80	3.361	6.108	3.361	6.108					70- 80	5.244	35.55	62.6,62.6
90	2.776	4.999	2.776	4.999					80- 90	4.859	40.41	71.2,71.2
100	1.960	3.443	1.960	3.443					90-100	3.476	43.89	77.3,77.3
110	1.950	3.264	1.950	3.264					100-110	2.801	46.69	82.3,82.3
120	1.966	3.295	1.966	3.295					110-120	2.586	49.27	86.8,86.8
130	1.978	3.175	1.978	3.175					120-130	2.321	51.59	90.9,90.9
140	1.922	2.945	1.922	2.945					130-140	1.945	53.54	94.3,94.3
150	1.888	2.572	1.888	2.572					140-150	1.451	54.99	96.9,96.9
160	1.735	2.355	1.735	2.355					150-160	0.9898	55.98	98.6,98.6
170	1.863	2.286	1.863	2.286					160-170	0.5827	56.56	99.7,99.7
180	1.959	2.192	1.959	2.192					170-180	0.1969	56.76	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 90DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:ELAINE
 Test Date:24 October 2023

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AQF-G-002-2700K
 0.5W / 2700K
 24V DC

LUMINANCE LIMITATION CURVES

Test:U:23.983V I:0.0148A P:0.3561W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:56.76x1 lm		
NAME: AQF-G-002-2700K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	19358	34390
80	9859	17918
75	6991	12267
70	5954	9887
65	5096	8643
60	5239	7614
55	4697	7040
50	4453	6674
45	4200	6083

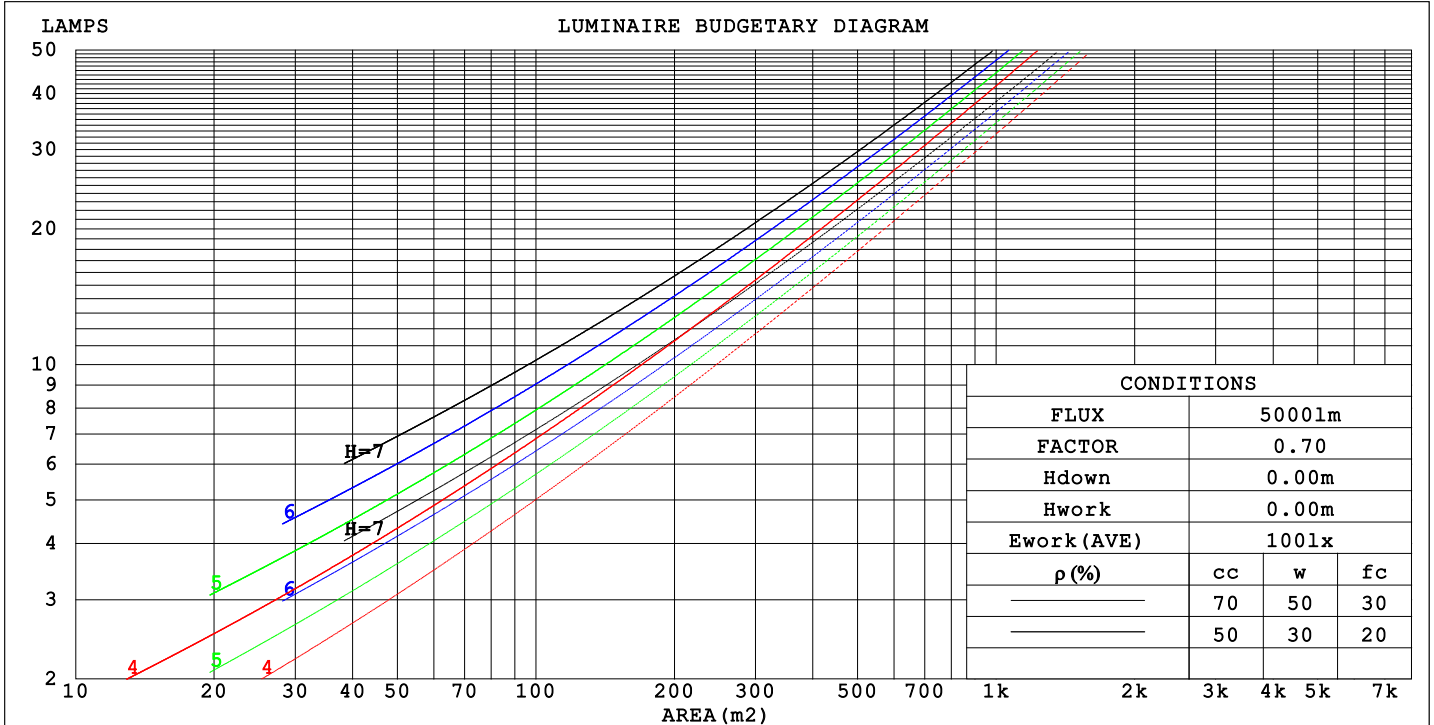
C Range: 0 - 90DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 20°C
 Operator: ELAINE
 Test Date: 24 October 2023

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity: 65.0%
 Test Distance: 3.100m [K=1.0000]
 Remarks: AQF-G-002-2700K
 0.5W / 2700K
 24V DC

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.983V I:0.0148A P:0.3561W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:56.76x1 lm		
NAME: AQF-G-002-2700K	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																0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization (CU)									
0.0	1.12	1.12	1.12	1.06	1.06	1.06	.95	.95	.95	.85	.85	.85	.76	.76	.76	.71
1.0	.92	.87	.82	.87	.82	.78	.78	.74	.70	.69	.66	.63	.61	.58	.56	.52
2.0	.79	.71	.64	.74	.67	.61	.66	.60	.55	.58	.54	.50	.51	.48	.45	.41
3.0	.68	.59	.52	.64	.56	.50	.57	.51	.45	.51	.45	.41	.45	.40	.37	.33
4.0	.60	.50	.43	.57	.48	.41	.50	.43	.38	.45	.39	.34	.39	.35	.31	.27
5.0	.53	.44	.37	.50	.42	.35	.45	.38	.32	.40	.34	.29	.35	.30	.26	.23
6.0	.47	.38	.32	.45	.36	.30	.40	.33	.28	.36	.30	.25	.32	.27	.23	.20
7.0	.43	.34	.27	.41	.32	.26	.36	.29	.24	.32	.27	.22	.29	.24	.20	.18
8.0	.39	.30	.24	.37	.29	.23	.33	.26	.21	.30	.24	.20	.26	.21	.18	.15
9.0	.35	.27	.21	.34	.26	.21	.30	.24	.19	.27	.22	.18	.24	.20	.16	.14
10.0	.32	.25	.19	.31	.24	.19	.28	.22	.17	.25	.20	.16	.23	.18	.14	.12



C Range: 0 - 90DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:ELAINE
 Test Date:24 October 2023

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AQF-G-002-2700K
 0.5W / 2700K
 24V DC

WEC AND CCEC

Test:U:23.983V I:0.0148A P:0.3561W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:56.76x1 lm		
NAME: AQF-G-002-2700K	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	.395	.225	.071	.379	.216	.069	.349	.200	.064	.322	.186	.060	.296	.172	.055	
2.0	.336	.184	.057	.322	.177	.055	.294	.164	.051	.269	.151	.047	.246	.139	.044	
3.0	.296	.158	.047	.283	.152	.046	.258	.140	.043	.235	.129	.040	.214	.119	.037	
4.0	.265	.138	.041	.253	.133	.039	.231	.122	.037	.210	.113	.034	.190	.103	.032	
5.0	.241	.123	.036	.230	.118	.034	.209	.109	.032	.190	.100	.030	.172	.092	.028	
6.0	.220	.110	.032	.210	.106	.031	.191	.098	.028	.173	.090	.026	.157	.083	.025	
7.0	.203	.100	.028	.193	.096	.027	.176	.089	.026	.160	.082	.024	.144	.075	.022	
8.0	.188	.092	.026	.179	.088	.025	.163	.082	.023	.148	.075	.022	.134	.069	.020	
9.0	.175	.085	.024	.167	.081	.023	.152	.075	.021	.138	.069	.020	.125	.063	.018	
10.0	.163	.078	.022	.156	.075	.021	.142	.070	.020	.129	.064	.018	.117	.059	.017	

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	.410	.410	.410	.350	.350	.350	.239	.239	.239	.137	.137	.137	.044	.044	.044	
1.0	.408	.377	.349	.349	.323	.300	.238	.222	.208	.137	.129	.121	.044	.041	.039	
2.0	.401	.354	.315	.343	.305	.273	.235	.211	.190	.136	.123	.111	.044	.040	.036	
3.0	.394	.338	.295	.337	.292	.255	.232	.203	.179	.134	.118	.106	.043	.038	.035	
4.0	.386	.326	.281	.331	.282	.244	.228	.196	.172	.132	.115	.102	.042	.037	.033	
5.0	.378	.317	.271	.325	.274	.236	.224	.191	.167	.130	.112	.099	.042	.037	.033	
6.0	.371	.309	.265	.319	.268	.230	.220	.187	.163	.128	.110	.097	.041	.036	.032	
7.0	.364	.303	.260	.313	.262	.226	.216	.184	.160	.126	.108	.095	.041	.035	.032	
8.0	.357	.297	.256	.308	.258	.223	.213	.181	.158	.124	.107	.094	.040	.035	.031	
9.0	.351	.292	.253	.302	.254	.221	.210	.178	.157	.122	.105	.093	.040	.035	.031	
10.0	.345	.288	.251	.298	.250	.219	.206	.176	.155	.120	.104	.093	.039	.034	.031	

C Range: 0 - 90DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:ELAINE
 Test Date:24 October 2023

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AQF-G-002-2700K
 0.5W / 2700K
 24V DC

UGR(Unified Glare Rating) Table

Test:U:23.983V I:0.0148A P:0.3561W PF:1.0000 Freq:0Hz										
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:56.76x1 lm										
NAME: AQF-G-002-2700K					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	26.2	27.5	26.9	28.1	28.9	28.0	29.3	28.6	29.9	30.7
3H	28.4	29.6	29.1	30.3	31.1	30.6	31.8	31.3	32.5	33.3
4H	29.6	30.7	30.3	31.4	32.2	32.2	33.3	32.9	34.0	34.8
6H	31.1	32.1	31.8	32.8	33.7	34.0	35.1	34.7	35.8	36.6
8H	32.1	33.0	32.8	33.8	34.6	35.2	36.2	35.9	36.9	37.8
12H	33.1	34.0	33.8	34.8	35.7	36.4	37.4	37.1	38.1	39.0
4H 2H	27.3	28.4	28.0	29.1	29.9	28.6	29.7	29.2	30.4	31.2
3H	29.7	30.6	30.4	31.4	32.3	31.4	32.4	32.1	33.1	34.0
4H	31.0	31.9	31.8	32.7	33.6	33.1	34.0	33.9	34.8	35.7
6H	32.7	33.5	33.5	34.3	35.2	35.2	36.0	36.0	36.8	37.8
8H	33.8	34.5	34.6	35.3	36.3	36.5	37.3	37.3	38.1	39.0
12H	34.9	35.6	35.7	36.4	37.4	37.9	38.5	38.7	39.3	40.3
8H 4H	31.9	32.6	32.7	33.4	34.4	33.6	34.3	34.3	35.1	36.0
6H	34.0	34.6	34.8	35.4	36.4	36.0	36.6	36.8	37.4	38.4
8H	35.2	35.8	36.0	36.6	37.6	37.5	38.0	38.3	38.9	39.9
12H	36.5	37.0	37.4	37.9	38.9	39.0	39.5	39.9	40.4	41.4
12H 4H	32.2	32.9	33.0	33.7	34.7	33.7	34.3	34.5	35.1	36.1
6H	34.4	35.0	35.3	35.8	36.8	36.2	36.8	37.0	37.6	38.6
8H	35.8	36.3	36.6	37.1	38.2	37.8	38.3	38.6	39.1	40.2
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.3 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.5					+ 0.3 / - 0.4				

CIE Pub.117, 56.76 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -10.0)
 Area: 0.001963 m2

C Range: 0 - 90DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:ELAINE
 Test Date:24 October 2023

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AQF-G-002-2700K
 0.5W / 2700K
 24V DC

UTILIZATION FACTORS TABLE

Test:U:23.983V I:0.0148A P:0.3561W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:56.76x1 lm		
NAME: AQF-G-002-2700K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:

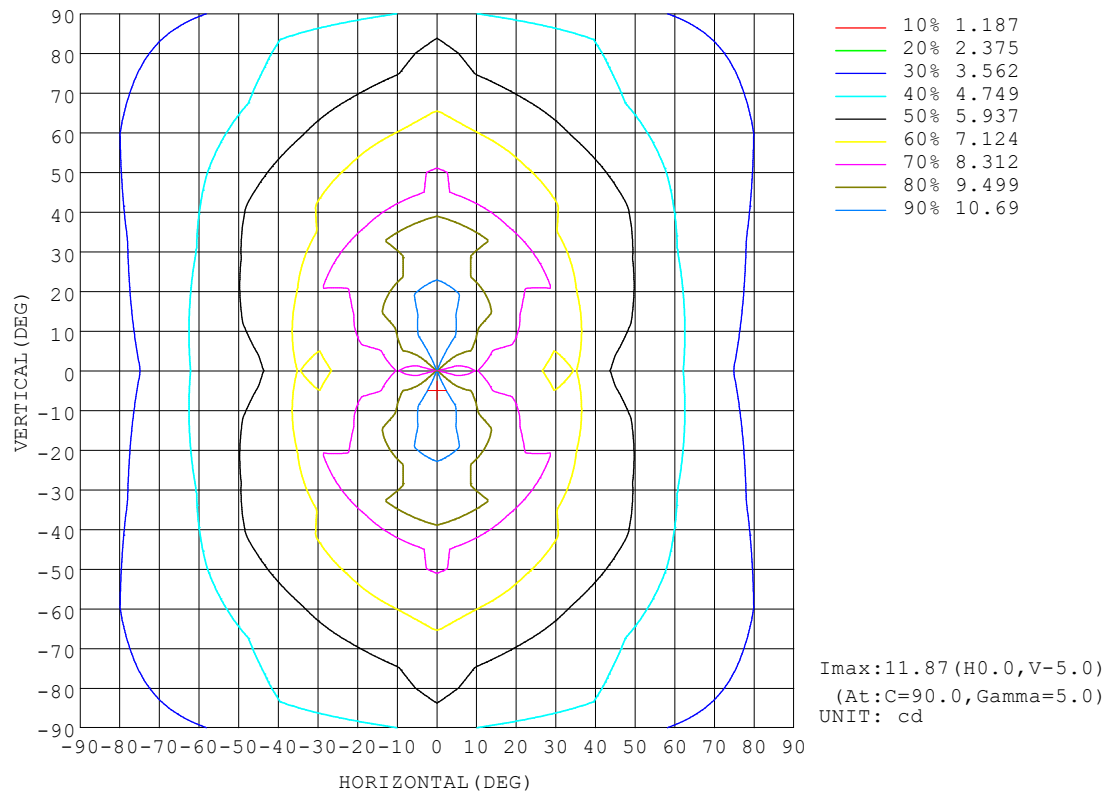
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	44	32	25	43	31	24	40	30	24	17
0.80	53	40	32	51	39	31	47	37	30	21
1.00	61	48	39	58	46	38	54	45	36	26
1.25	68	55	46	65	53	45	59	49	42	31
1.50	73	60	51	69	58	50	63	54	47	34
2.00	80	68	60	76	66	58	69	60	54	40
2.50	85	74	66	80	71	63	72	65	58	43
3.00	88	79	71	84	75	68	75	68	63	46
4.00	93	85	78	88	81	75	79	73	68	51
5.00	96	89	83	91	85	79	82	77	72	53
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 90DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:ELAINE
 Test Date:24 October 2023

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AQF-G-002-2700K
 0.5W / 2700K
 24V DC

ISOCANDELA DIAGRAM

Test:U:23.983V I:0.0148A P:0.3561W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:56.76x1 lm		
NAME: AQF-G-002-2700K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:

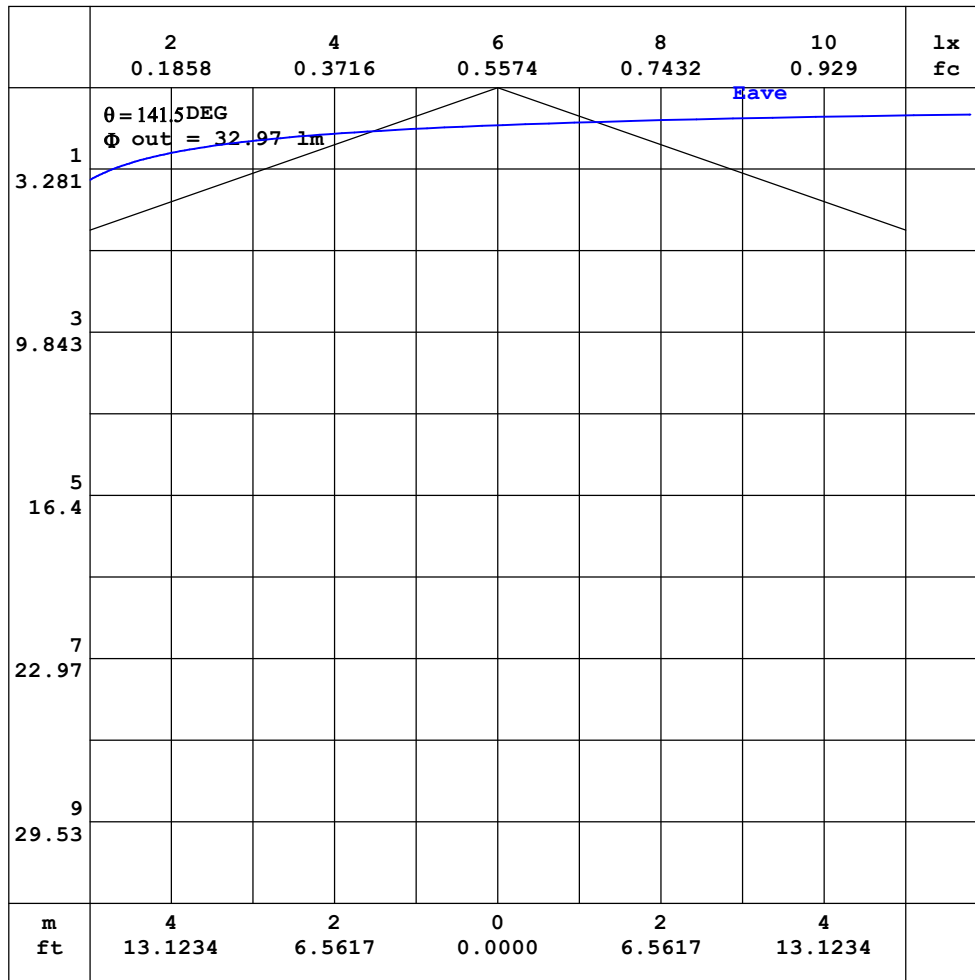


C Range: 0 - 90DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:ELAINE
 Test Date:24 October 2023

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AQF-G-002-2700K
 0.5W / 2700K
 24V DC

AAI CURVES

Test:U:23.983V I:0.0148A P:0.3561W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:56.76x1 lm		
NAME: AQF-G-002-2700K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:



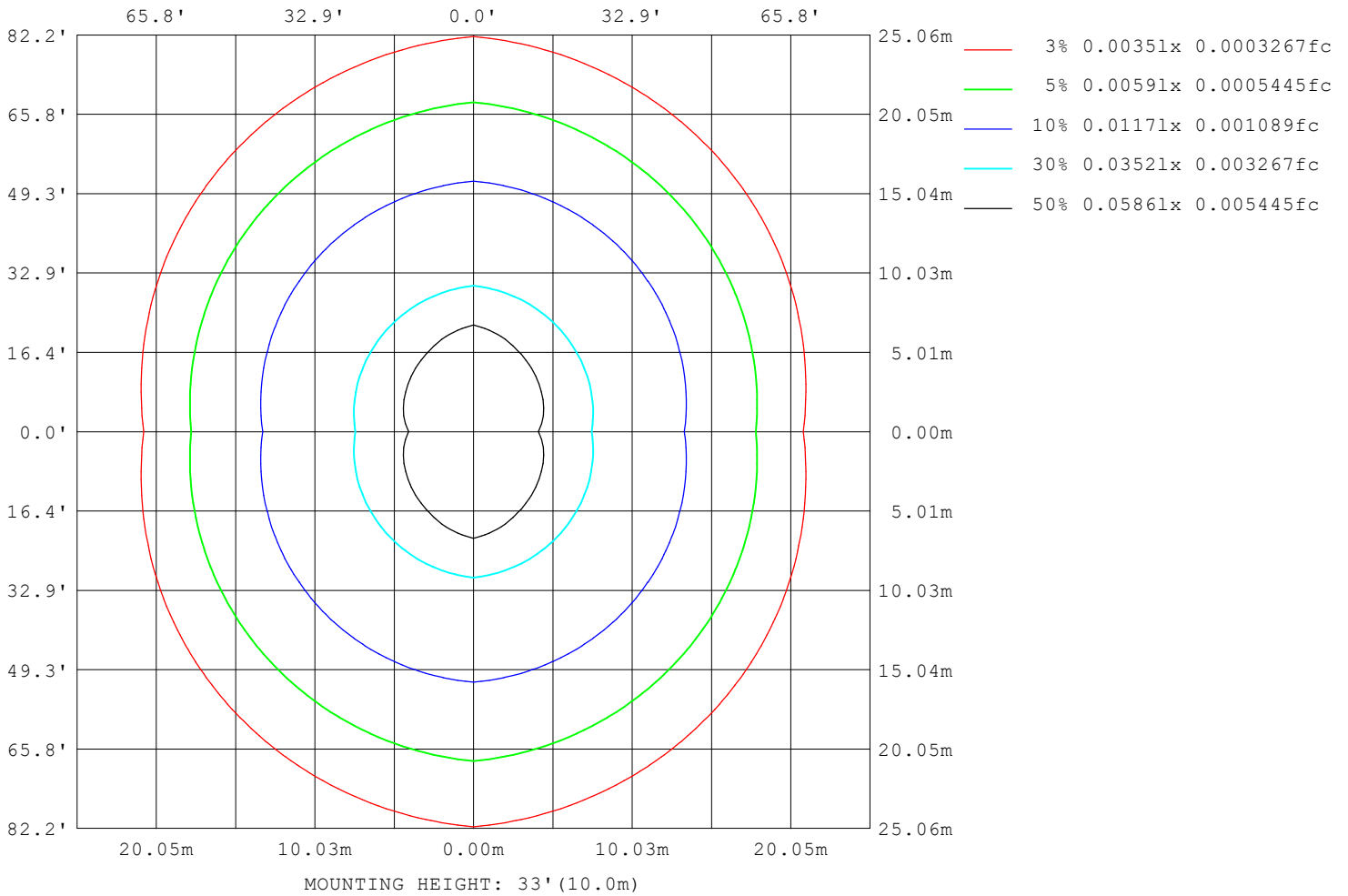
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 90DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 20°C
 Operators: ELAINE
 Test Date: 24 October 2023

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity: 65.0%
 Test Distance: 3.100m [K=1.0000]
 Remarks: AQF-G-002-2700K
 0.5W / 2700K
 24V DC

ISOLUX DIAGRAM

Test:U:23.983V I:0.0148A P:0.3561W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:56.76x1 lm		
NAME: AQF-G-002-2700K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:



C Range: 0 - 90DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:ELAINE
 Test Date:24 October 2023

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AQF-G-002-2700K
 0.5W / 2700K
 24V DC

LED Avg.L Report

Test:U:23.983V I:0.0148A P:0.3561W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:56.76x1 lm		
NAME: AQF-G-002-2700K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:

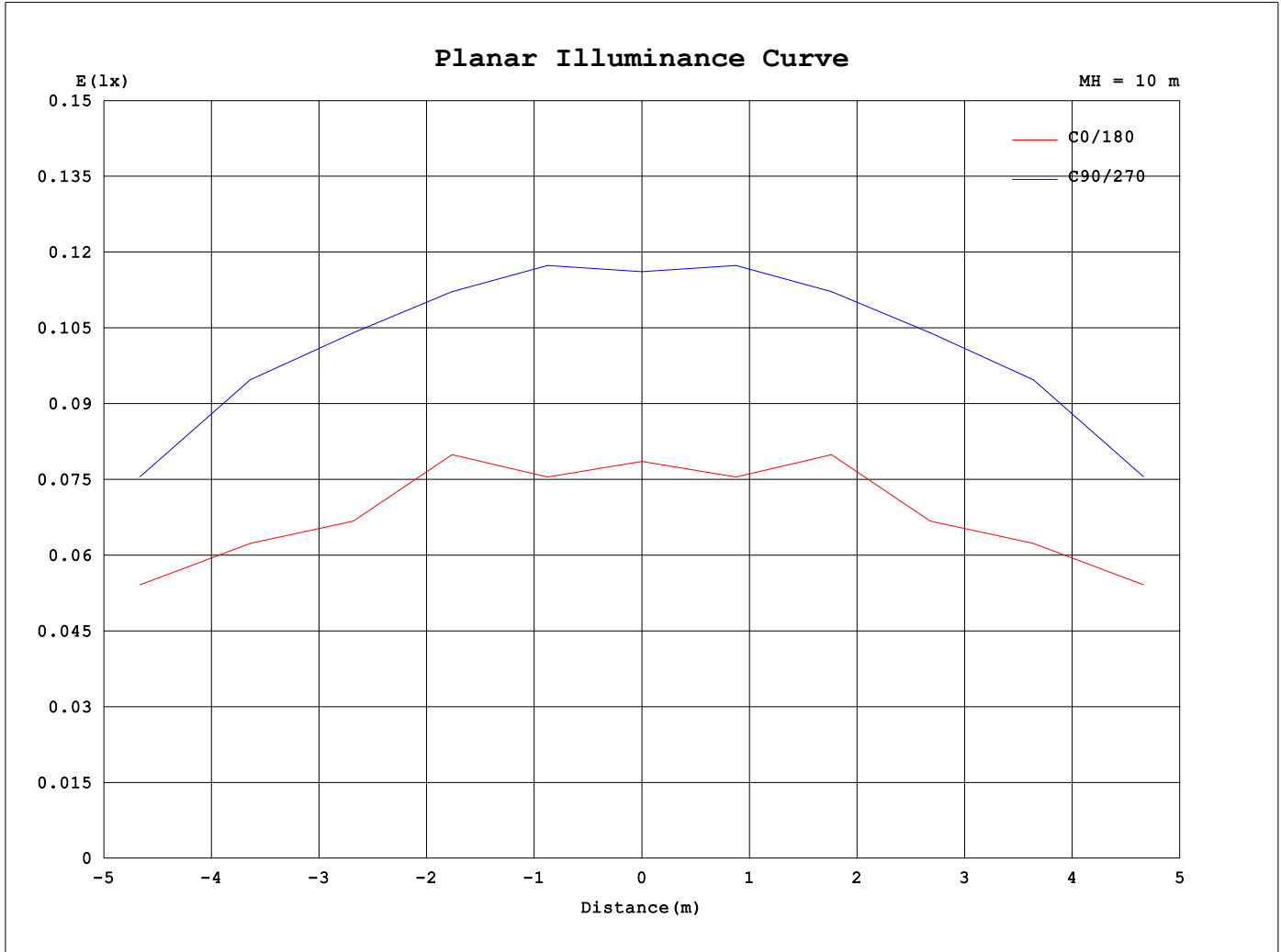
AvgL	cd/m2
L_0~180 (65) av	5096
L_0~180 (75) av	6991
L_0~180 (85) av	19358
L_90~270 (65) av	8643
L_90~270 (75) av	12267
L_90~270 (85) av	34390
L_45 (65) av	7313
L_45 (75) av	10289
L_45 (85) av	28753

Standard: GB/T 29293-2012

C Range: 0 - 90DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:ELAINE
 Test Date:24 October 2023

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AQF-G-002-2700K
 0.5W / 2700K
 24V DC

Planar Illuminance Curve



C Range: 0 - 90DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 20°C
 Operator: ELAINE
 Test Date: 24 October 2023

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity: 65.0%
 Test Distance: 3.100m [K=1.0000]
 Remarks: AQF-G-002-2700K
 0.5W / 2700K
 24V DC

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.983V I:0.0148A P:0.3561W PF:1.0000 Freq:0Hz		
UTHdi:0.00% ITHdi:0.00% KDisp:0 Lamp Flux:56.76x1 lm		
NAME: AQF-G-002-2700K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	90	180	270															
0	7.86	11.6	7.86	11.6															
5	7.64	11.9	7.64	11.9															
10	8.37	11.8	8.37	11.8															
15	7.41	11.6	7.41	11.6															
20	7.52	11.4	7.52	11.4															
25	7.28	10.2	7.28	10.2															
30	6.79	10.1	6.79	10.1															
35	7.17	10.3	7.17	10.3															
40	6.23	9.28	6.23	9.28															
45	5.83	8.44	5.83	8.44															
50	5.62	8.42	5.62	8.42															
55	5.29	7.93	5.29	7.93															
60	5.14	7.47	5.14	7.47															
65	4.23	7.17	4.23	7.17															
70	4.00	6.64	4.00	6.64															
75	3.55	6.23	3.55	6.23															
80	3.36	6.11	3.36	6.11															
85	3.31	5.88	3.31	5.88															
90	2.78	5.00	2.78	5.00															
95	2.16	3.98	2.16	3.98															
100	1.96	3.44	1.96	3.44															
105	1.91	3.38	1.91	3.38															
110	1.95	3.26	1.95	3.26															
115	1.96	3.22	1.96	3.22															
120	1.97	3.29	1.97	3.29															
125	1.95	3.19	1.95	3.19															
130	1.98	3.17	1.98	3.17															
135	1.97	3.06	1.97	3.06															
140	1.92	2.95	1.92	2.95															
145	1.90	2.67	1.90	2.67															
150	1.89	2.57	1.89	2.57															
155	1.81	2.45	1.81	2.45															
160	1.74	2.36	1.74	2.36															
165	1.79	2.32	1.79	2.32															
170	1.86	2.29	1.86	2.29															
175	1.88	2.22	1.88	2.22															
180	1.96	2.19	1.96	2.19															

C Range: 0 - 90DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:20°C
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 Test Date:24 October 2023

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AQF-G-002-2700K
 0.5W / 2700K
 24V DC