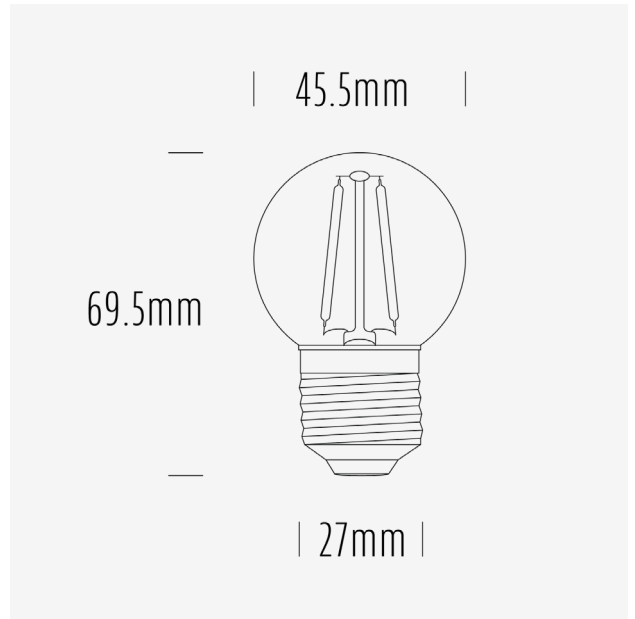


AGL G Series

E27 LED Globes



AQF-G-003-2700K / 2700K / E27



Product Data

Product Code	AQF-G-003-2700K
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	1.5W		
Nominal Current	63mA		
Input Voltage	-	-	24VDC 24VAC
Rated Power	-	-	0.4 1.2
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	14g
Operating Temp Range	-20° - 60°
IP Rating	IP20

Photometric Data

Nominal Flux (lm)	91
Input Voltage	- - 24VDC 24VAC
Input Power (W)	- - 0.4 1.2
Rated Flux (lm)	- - 46 100
Efficacy (lm/W)	- - 130 80
CCT	2700K
CCT Description	Warm White
CRI (Ra)	93
CRI (R9)	62
TM-30 (Rf)	93
TM-30 (Rg)	98
SDCM	-
Peak Intensity (cd)	4.4
Nominal Beam Angle	-
Measured Beam Angle (FWHM)	310°

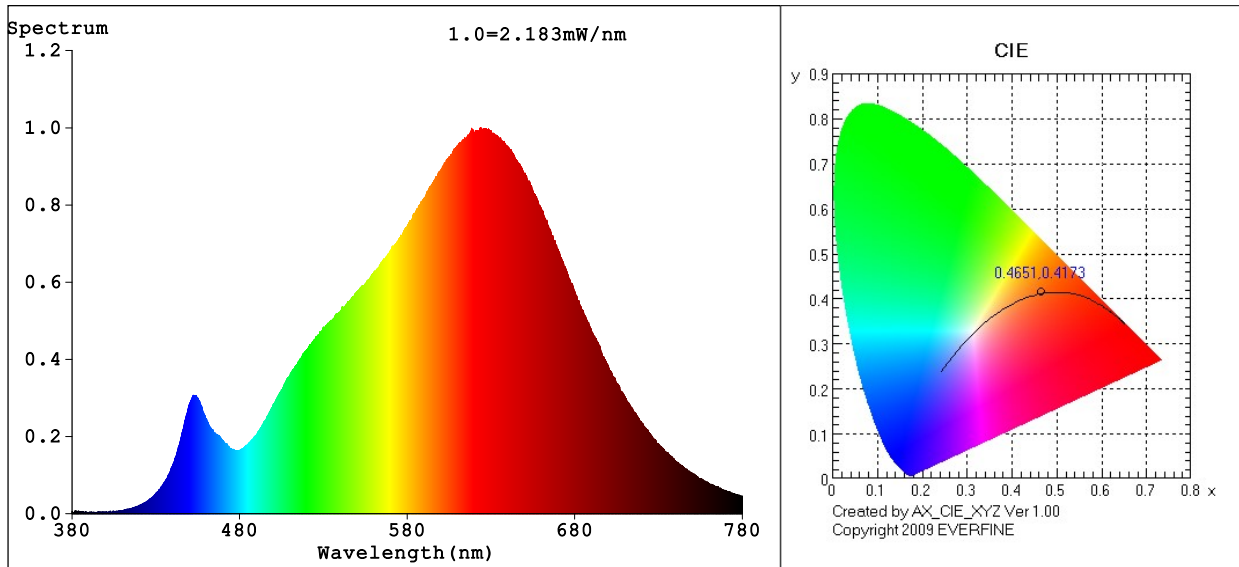
Lifespan Data

L70	100,000h
Switching Cycles	100,000

Compliance Data

EMI	Yes
RCM	N/A
Mercury Content	0mg

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4651$ $y=0.4173$ / $u'=0.2629$ $v'=0.5306$
 CCT=2680K (Duv=0.0020) Dominant WL:Ld =583.7nm WL:Lc = --nm Purity=64.9%
 Ratio:R=26.3% G=71.5% B=2.2%; Peak WL:Lp=623.9nm FWHM=152.6nm
 Render Index:Ra=91.8 AvgR=88.6 TM30:Rf=92 Rg=98

R1 =92 R2 =95 R3 =97 R4 =92 R5 =91 R6 =94 R7 =93
 R8 =81 R9 =57 R10=87 R11=92 R12=80 R13=92 R14=98 R15=87

Photo Parameters:

Flux = 100.3 lm Eff. : 80.49 lm/W Fe = 359.6 mW

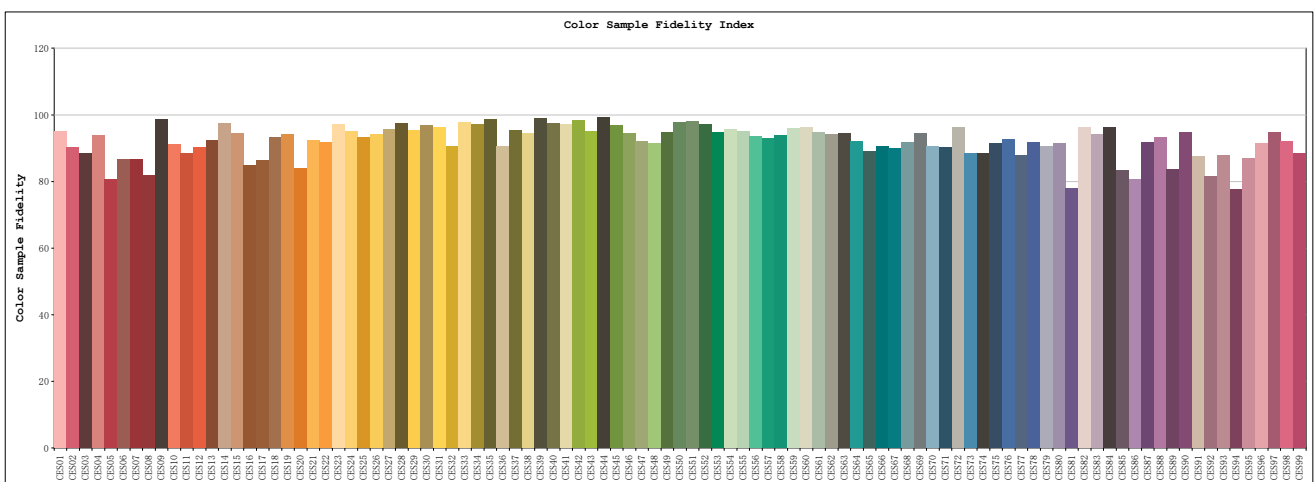
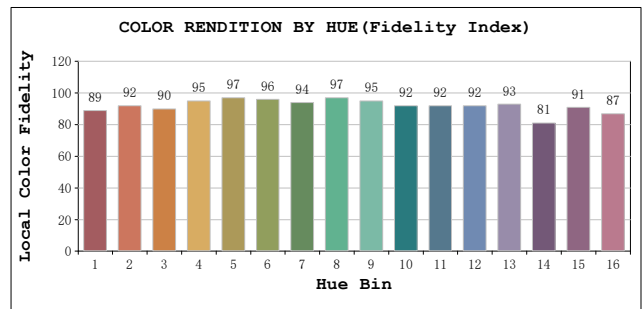
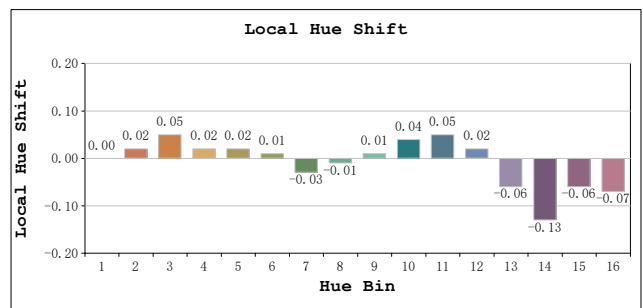
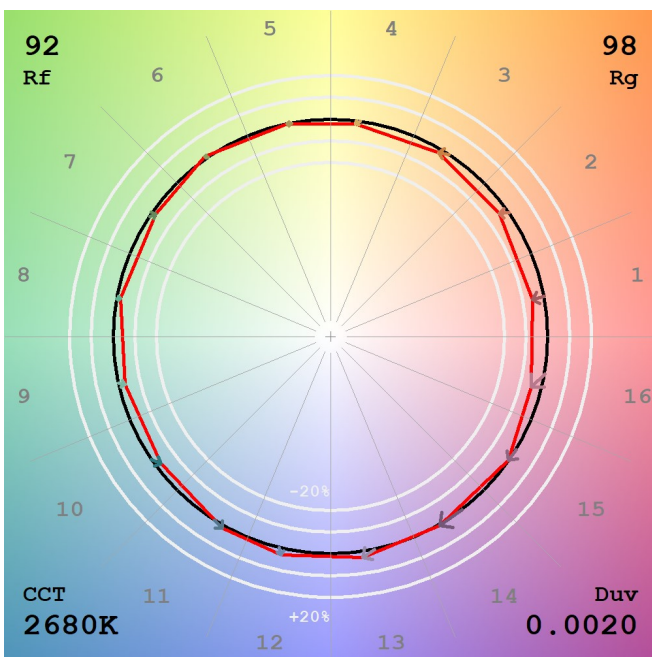
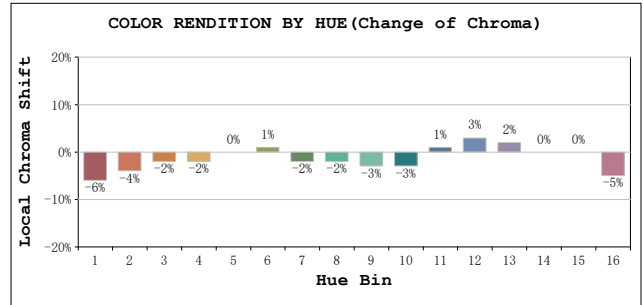
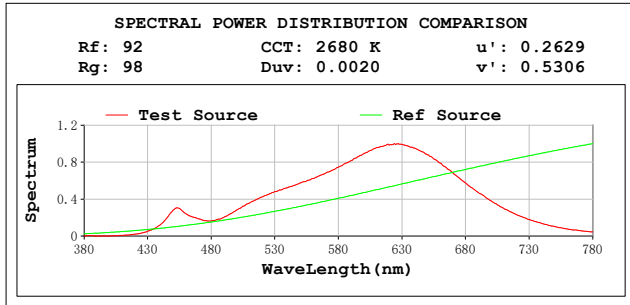
Electrical parameters:

V = 23.987 V I = 0.05862 A P = 1.246 W PF = 0.8861
 LEVEL:OUT WHITE:ANSI_2700K
 Status: Integral T = 1000 ms Ip = 34522 (53%)

GBT5702

TM30

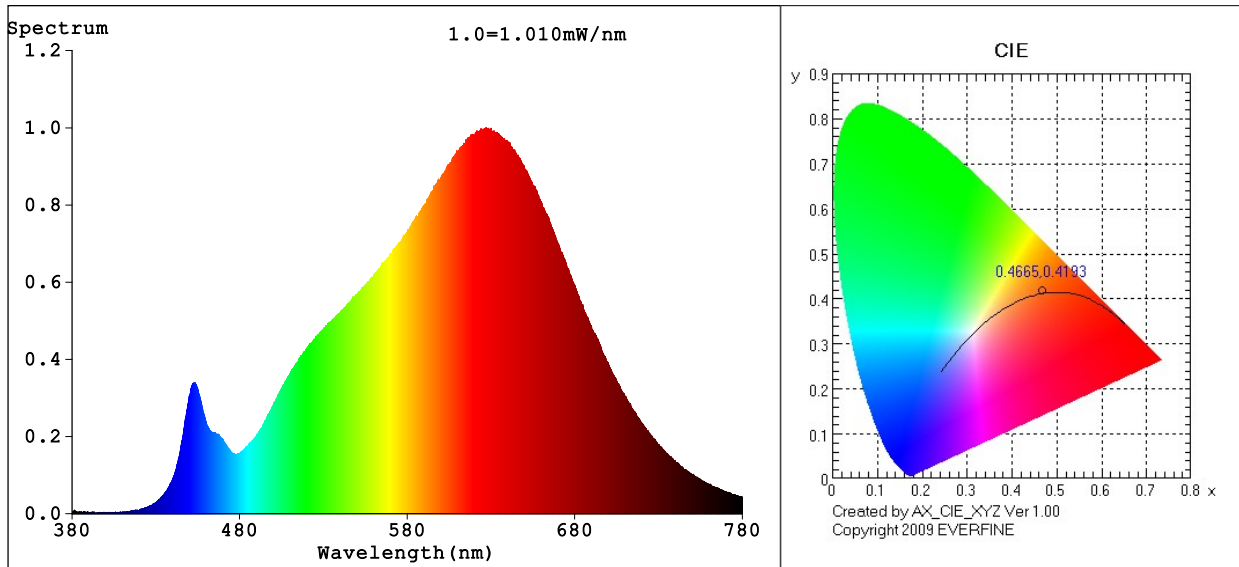
View Angle: 2 Deg



Model:AQF-G-003-2700K
 Tester:EC
 Temperature:25.3Deg
 Manufacturer:AQUALUX

Number:AQF-G-003-2700K 24V AC
 Date:2023-10-23 16:28:11
 Humidity:65.0%
 Remarks:24VAC

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4665$ $y=0.4193$ / $u'=0.2628$ $v'=0.5316$
 CCT=2677K (Duv=0.0026) Dominant WL:Ld =583.5nm WL:Lc = --nm Purity=65.9%
 Ratio:R=26.4% G=71.5% B=2.2%; Peak WL:Lp=627.2nm FWHM=153.2nm
 Render Index:Ra=92.6 AvgR=89.5 TM30:Rf=93 Rg=98

R1 =92 R2 =95 R3 =97 R4 =93 R5 =92 R6 =94 R7 =94
 R8 =83 R9 =62 R10=88 R11=94 R12=79 R13=93 R14=97 R15=88

Photo Parameters:

Flux = 45.94 lm Eff. : 129.85 lm/W Fe = 165.6 mW

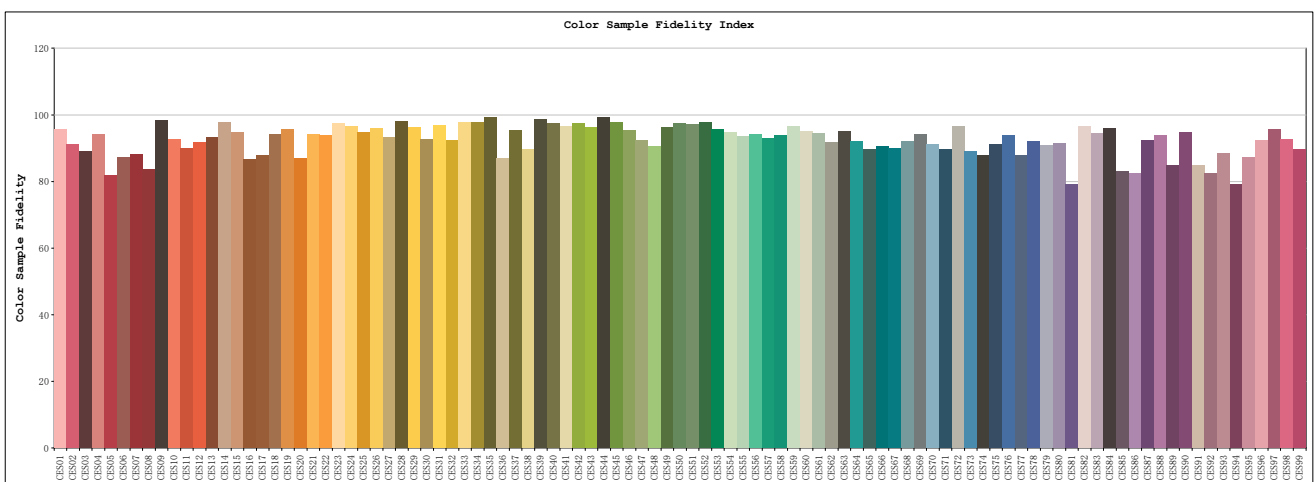
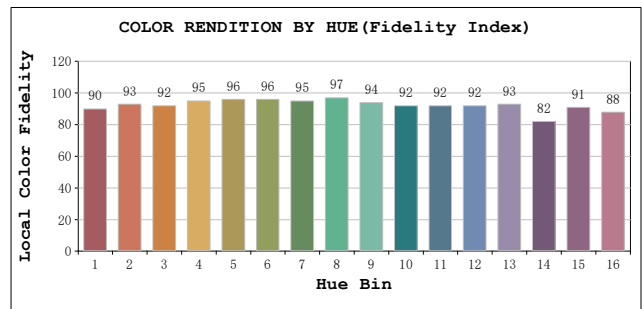
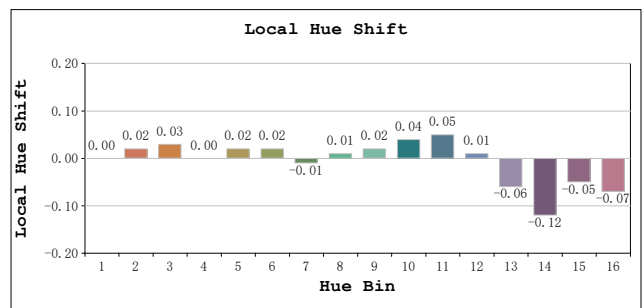
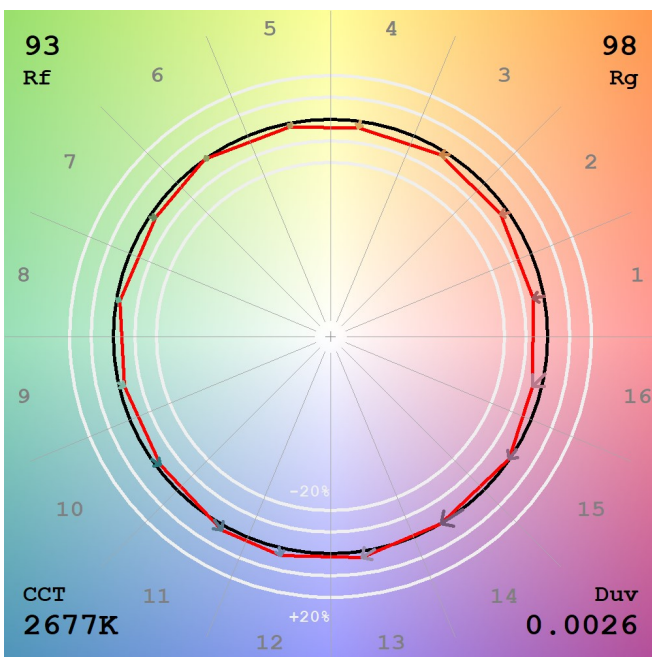
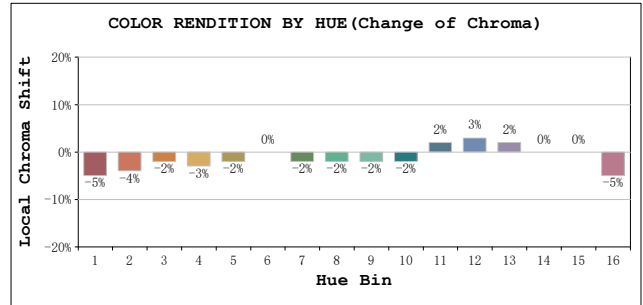
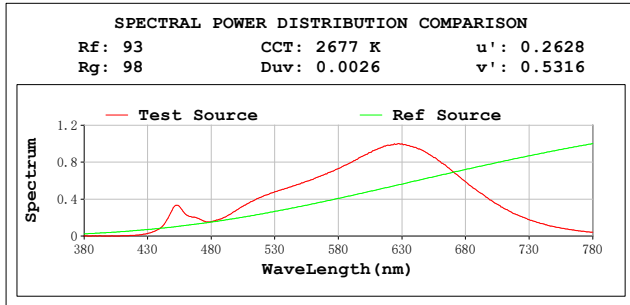
Electrical parameters:

V = 24.008 V I = 0.01474 A P = 0.3538 W PF = 1.0000
 LEVEL:OUT WHITE:ANSI_2700K
 Status: Integral T = 3067 ms Ip = 48501 (74%)

GBT5702

TM30

View Angle:2 Deg



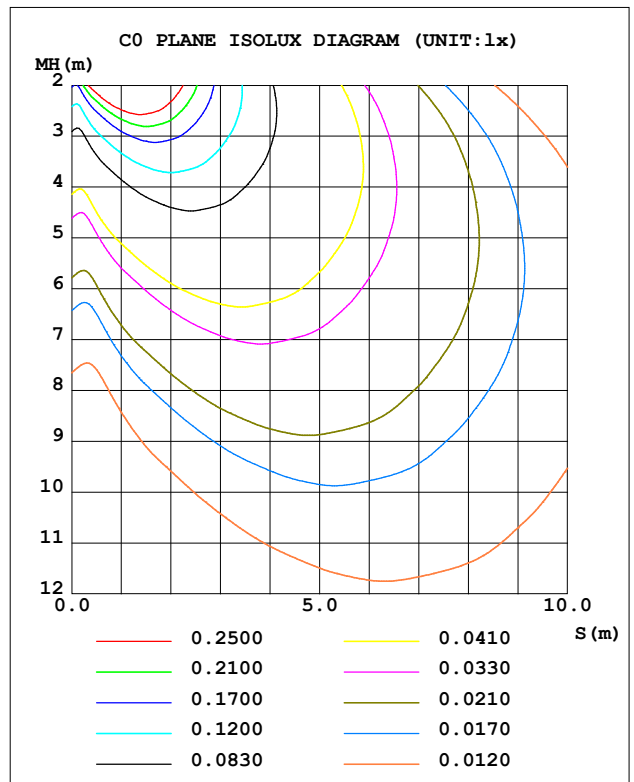
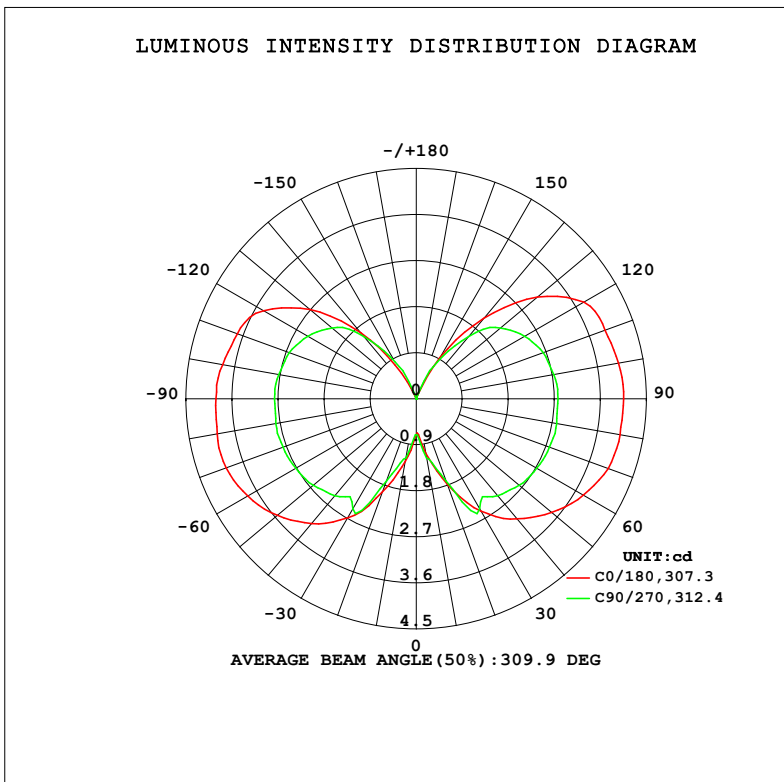
Model:AQF-G-003-2700K
 Tester:EC
 Temperature:25.3Deg
 Manufacturer:AQUALUX

Number:AQF-G-003-2700K 24V DC
 Date:2023-10-23 16:31:02
 Humidity:65.0%
 Remarks:24VDC

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.991V I:0.0147A P:0.3522W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:38.6585x1 lm		
NAME: AQF-G-003-2700K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax (cd)	4.416	S/MH (C0/180)	3.74
NOMINAL POWER (W)	1.5	LOR (%)	100.0	S/MH (C90/270)	3.25
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	38.658	η UP, DN (C0-180)	22.5, 27.6
NOMINAL FLUX (lm)	38.6585	CIE CLASS	DIFFUSE	η UP, DN (C180-360)	22.2, 27.7
LAMPS INSIDE	1	η up (%)	44.7	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	24	η down (%)	55.3	CIBSE SHR MAX	1.35



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-003-2700K
 1.5W / 2700K
 24V DC

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

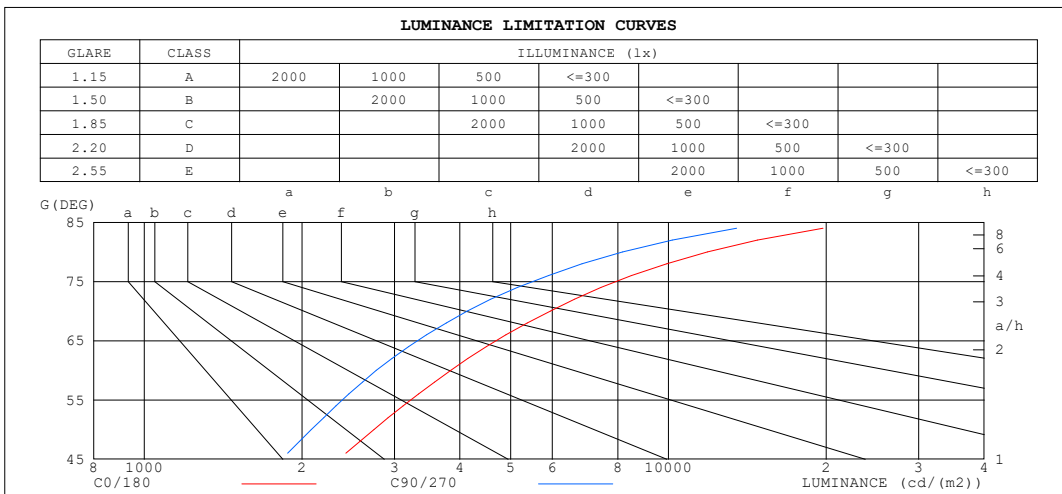
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	∅ zone	∅ total	%lum, lamp
10	1.075	1.082	1.178	1.284	1.239	1.284	1.178	1.082	0- 10	0.0904	0.0904	0.23,0.23
20	1.777	1.845	1.714	2.111	1.939	2.111	1.714	1.845	10- 20	0.4341	0.5245	1.36,1.36
30	2.533	2.555	2.483	2.814	2.687	2.814	2.483	2.555	20- 30	1.073	1.597	4.13,4.13
40	3.063	3.147	2.476	3.493	3.187	3.493	2.476	3.147	30- 40	1.813	3.410	8.82,8.82
50	3.459	3.573	2.628	3.910	3.546	3.910	2.628	3.573	40- 50	2.572	5.982	15.5,15.5
60	3.773	3.839	2.720	4.189	3.802	4.189	2.720	3.839	50- 60	3.251	9.233	23.9,23.9
70	3.994	4.024	2.771	4.384	3.956	4.384	2.771	4.024	60- 70	3.784	13.02	33.7,33.7
80	4.044	4.067	2.786	4.394	3.948	4.394	2.786	4.067	70- 80	4.124	17.14	44.3,44.3
90	4.053	4.045	2.769	4.345	3.915	4.345	2.769	4.045	80- 90	4.227	21.37	55.3,55.3
100	4.012	4.022	2.731	4.258	3.845	4.258	2.731	4.022	90-100	4.189	25.56	66.1,66.1
110	3.926	3.909	2.646	4.099	3.720	4.099	2.646	3.909	100-110	3.956	29.51	76.3,76.3
120	3.785	3.533	2.448	3.666	3.446	3.666	2.448	3.533	110-120	3.516	33.03	85.4,85.4
130	3.100	2.927	2.152	3.049	2.716	3.049	2.152	2.927	120-130	2.760	35.79	92.6,92.6
140	2.048	1.960	1.590	1.972	1.685	1.972	1.590	1.960	130-140	1.827	37.62	97.3,97.3
150	0.9358	0.8384	0.8325	0.8223	0.5783	0.8223	0.8325	0.8384	140-150	0.8507	38.47	99.5,99.5
160	0.0183	0.0179	0.0247	0.0191	0.0131	0.0191	0.0247	0.0179	150-160	0.1891	38.66	100,100
170	0	0	0	0.0008	0	0.0008	0	0	160-170	0.0023	38.66	100,100
180	0.0020	0	0	0.0004	0	0.0004	0	0	170-180	0.0000	38.66	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-003-2700K
 1.5W / 2700K
 24V DC

LUMINANCE LIMITATION CURVES

Test:U:23.991V I:0.0147A P:0.3522W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:38.6585x1 lm		
NAME: AQF-G-003-2700K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	23632	16178
80	11862	8175
75	7913	5485
70	5949	4128
65	4660	3312
60	3844	2771
55	3195	2379
50	2741	2083
45	2323	1825

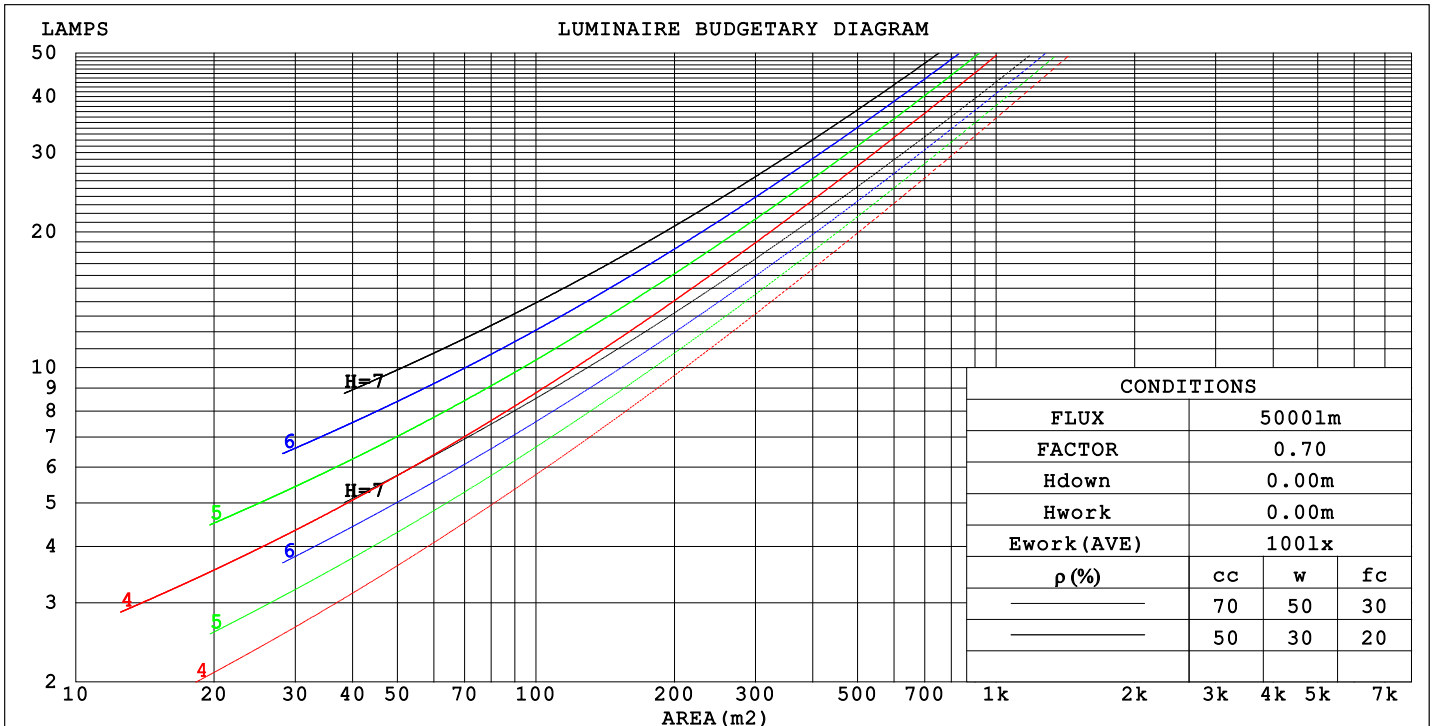
C Range: 0 - 180DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 20°C
 Operators: ELAINE
 Test Date: 24 October 2023

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-003-2700K
 1.5W / 2700K
 24V DC

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.991V I:0.0147A P:0.3522W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:38.6585x1 lm		
NAME: AQF-G-003-2700K	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	.87	.81	.75	.80	.74	.70	.67	.63	.59	.56	.52	.49	.45	.43	.40	.35
2.0	.72	.64	.57	.67	.59	.53	.56	.50	.45	.46	.41	.37	.36	.33	.30	.25
3.0	.62	.52	.45	.57	.48	.41	.47	.41	.35	.39	.33	.29	.30	.26	.23	.19
4.0	.54	.44	.36	.49	.40	.34	.41	.34	.28	.33	.28	.23	.26	.22	.18	.14
5.0	.47	.37	.30	.43	.34	.28	.36	.29	.23	.29	.24	.19	.23	.18	.15	.11
6.0	.42	.32	.25	.38	.30	.23	.32	.25	.20	.26	.20	.16	.20	.16	.12	.09
7.0	.37	.28	.21	.34	.26	.20	.29	.22	.17	.23	.18	.14	.18	.14	.10	.08
8.0	.33	.25	.19	.31	.23	.17	.26	.19	.14	.21	.16	.12	.17	.12	.09	.06
9.0	.30	.22	.16	.28	.20	.15	.23	.17	.13	.19	.14	.10	.15	.11	.08	.06
10.0	.28	.20	.14	.25	.18	.13	.21	.15	.11	.18	.13	.09	.14	.10	.07	.05



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-003-2700K
 1.5W / 2700K
 24V DC

WEC AND CCEC

Test:U:23.991V I:0.0147A P:0.3522W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:38.6585x1 lm		
NAME: AQF-G-003-2700K	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	.435	.248	.078	.414	.236	.075	.375	.215	.069	.339	.196	.063	.306	.177	.057	
2.0	.360	.197	.061	.341	.188	.058	.305	.170	.053	.272	.153	.048	.242	.137	.043	
3.0	.312	.166	.050	.295	.158	.048	.262	.142	.043	.232	.127	.039	.204	.113	.035	
4.0	.277	.144	.042	.261	.137	.040	.231	.122	.037	.203	.109	.033	.177	.096	.029	
5.0	.249	.127	.037	.234	.120	.035	.207	.108	.032	.181	.096	.028	.157	.084	.025	
6.0	.226	.113	.032	.213	.107	.031	.187	.096	.028	.164	.085	.025	.141	.074	.022	
7.0	.207	.102	.029	.195	.097	.028	.171	.087	.025	.149	.077	.022	.129	.067	.020	
8.0	.191	.093	.026	.180	.089	.025	.158	.079	.023	.138	.070	.020	.118	.061	.018	
9.0	.177	.086	.024	.167	.081	.023	.147	.072	.021	.127	.064	.018	.109	.056	.016	
10.0	.165	.079	.022	.156	.075	.021	.137	.067	.019	.119	.059	.017	.102	.051	.015	

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	.531	.531	.531	.454	.454	.454	.310	.310	.310	.178	.178	.178	.057	.057	.057	
1.0	.533	.499	.468	.456	.428	.403	.312	.294	.279	.179	.170	.162	.057	.055	.052	
2.0	.527	.477	.436	.452	.411	.377	.309	.284	.263	.178	.165	.154	.057	.054	.050	
3.0	.520	.462	.416	.446	.399	.361	.306	.277	.253	.177	.162	.149	.057	.053	.049	
4.0	.513	.451	.403	.440	.390	.350	.303	.272	.247	.175	.159	.146	.056	.052	.048	
5.0	.505	.442	.395	.434	.382	.344	.299	.267	.243	.173	.157	.144	.056	.051	.047	
6.0	.498	.434	.389	.428	.376	.339	.295	.263	.240	.171	.155	.142	.055	.051	.047	
7.0	.491	.428	.384	.422	.371	.335	.292	.260	.237	.170	.153	.141	.055	.050	.047	
8.0	.484	.423	.381	.417	.367	.332	.288	.258	.236	.168	.152	.140	.054	.050	.047	
9.0	.478	.419	.379	.412	.363	.330	.285	.255	.234	.166	.151	.140	.054	.050	.046	
10.0	.472	.415	.376	.407	.360	.328	.282	.253	.233	.165	.150	.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-003-2700K
 1.5W / 2700K
 24V DC

UGR(Unified Glare Rating) Table

Test:U:23.991V I:0.0147A P:0.3522W PF:1.0000 Freq:0Hz										
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:38.6585x1 lm										
NAME: AQF-G-003-2700K					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	25.8	26.9	26.6	27.8	28.8	25.5	26.6	26.3	27.5	28.5
3H	29.2	30.3	30.1	31.2	32.3	28.5	29.6	29.4	30.5	31.6
4H	31.1	32.1	32.0	33.0	34.2	30.2	31.2	31.0	32.1	33.2
6H	33.2	34.2	34.1	35.1	36.2	31.9	32.9	32.8	33.8	34.9
8H	34.4	35.3	35.3	36.2	37.4	32.9	33.8	33.8	34.7	35.9
12H	35.7	36.6	36.6	37.5	38.7	34.0	34.9	34.9	35.8	37.0
4H 2H	26.9	27.9	27.7	28.8	29.9	26.7	27.7	27.5	28.6	29.7
3H	30.4	31.3	31.3	32.2	33.4	30.1	31.0	31.0	31.9	33.0
4H	32.4	33.2	33.3	34.2	35.4	32.0	32.8	32.9	33.7	34.9
6H	34.7	35.4	35.6	36.3	37.5	33.9	34.7	34.9	35.6	36.8
8H	35.9	36.6	36.8	37.5	38.8	35.0	35.7	35.9	36.6	37.8
12H	37.3	37.9	38.3	38.9	40.1	36.1	36.7	37.1	37.7	39.0
8H 4H	33.2	33.9	34.1	34.8	36.0	32.9	33.5	33.8	34.5	35.7
6H	35.7	36.3	36.6	37.2	38.5	35.2	35.8	36.2	36.8	38.1
8H	37.1	37.6	38.0	38.6	39.9	36.5	37.1	37.5	38.1	39.3
12H	38.7	39.2	39.7	40.2	41.4	38.0	38.4	38.9	39.4	40.7
12H 4H	33.4	34.0	34.3	35.0	36.2	33.1	33.7	34.0	34.7	35.9
6H	36.0	36.5	37.0	37.5	38.8	35.6	36.1	36.6	37.1	38.4
8H	37.5	38.0	38.5	39.0	40.3	37.1	37.5	38.1	38.5	39.8
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					+ 0.4 / - 0.5				

CIE Pub.117, 38.66 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -11.3)
 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-003-2700K
 1.5W / 2700K
 24V DC

UTILIZATION FACTORS TABLE

Test:U:23.991V I:0.0147A P:0.3522W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:38.6585x1 lm		
NAME: AQF-G-003-2700K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:

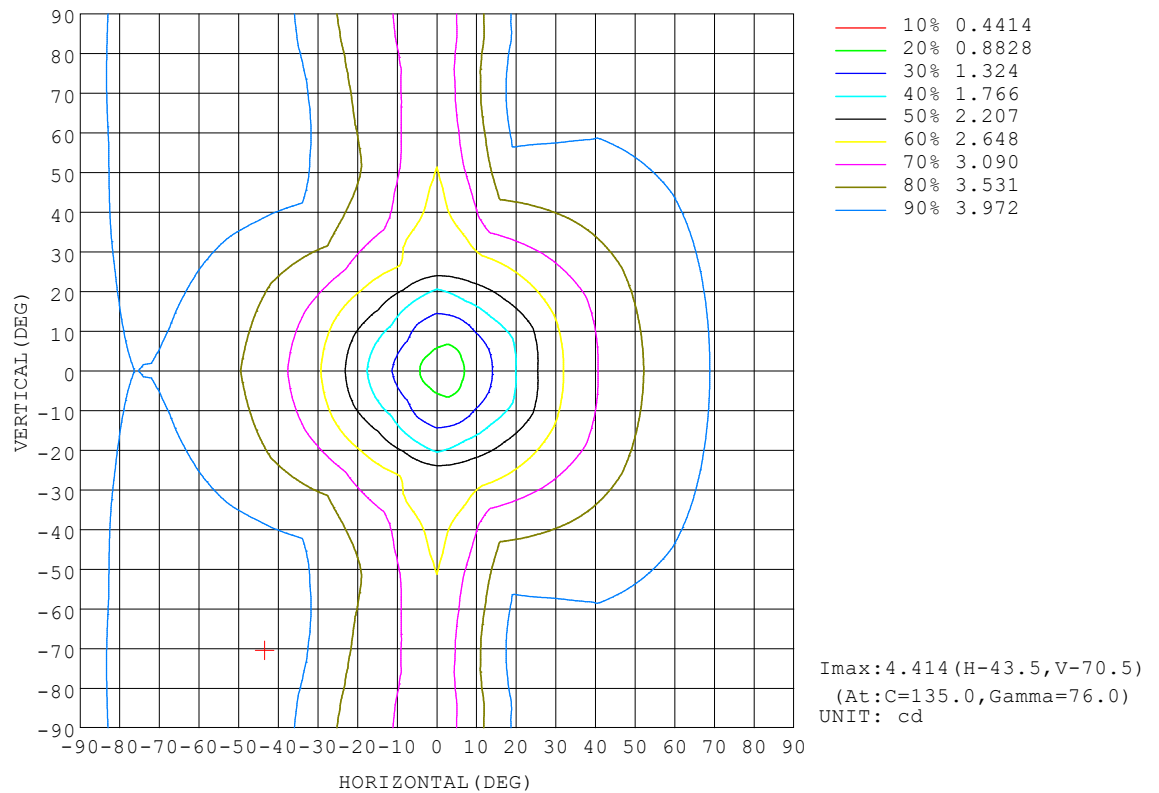
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	35	22	15	34	21	14	30	20	13	6
0.80	44	29	21	41	28	20	37	26	18	9
1.00	51	36	27	48	34	26	42	33	23	12
1.25	58	43	33	54	41	32	47	36	29	16
1.50	63	49	39	59	46	37	51	41	33	18
2.00	71	58	48	66	54	45	57	47	40	23
2.50	76	64	54	71	60	51	61	52	45	26
3.00	81	69	60	75	64	56	64	56	49	29
4.00	86	76	68	80	71	63	68	61	55	33
5.00	90	81	73	83	75	69	71	65	60	36
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-003-2700K
 1.5W / 2700K
 24V DC

ISOCANDELA DIAGRAM

Test:U:23.991V I:0.0147A P:0.3522W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:38.6585x1 lm		
NAME: AQF-G-003-2700K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:

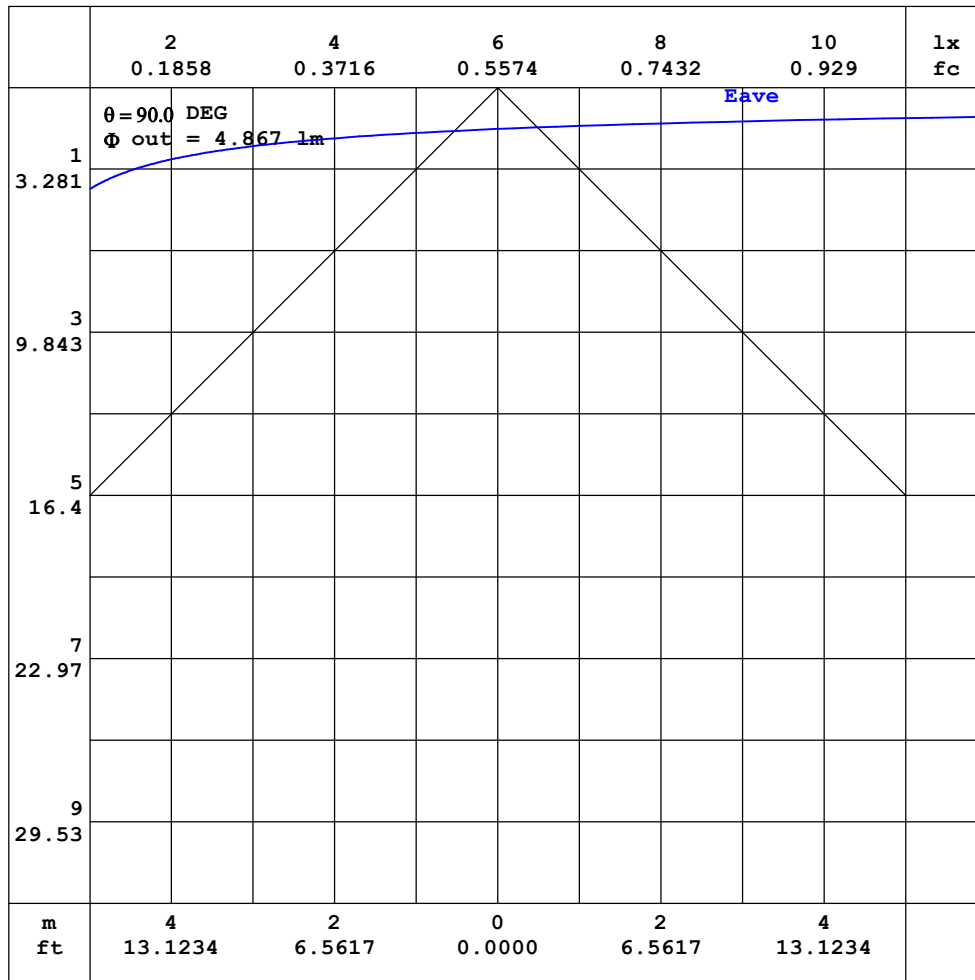


C Range: 0 - 180DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature:20°C
 Operators:ELAINE
 Test Date:24 October 2023

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-003-2700K
 1.5W / 2700K
 24V DC

AAI CURVES

Test:U:23.991V I:0.0147A P:0.3522W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:38.6585x1 lm		
NAME: AQF-G-003-2700K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:



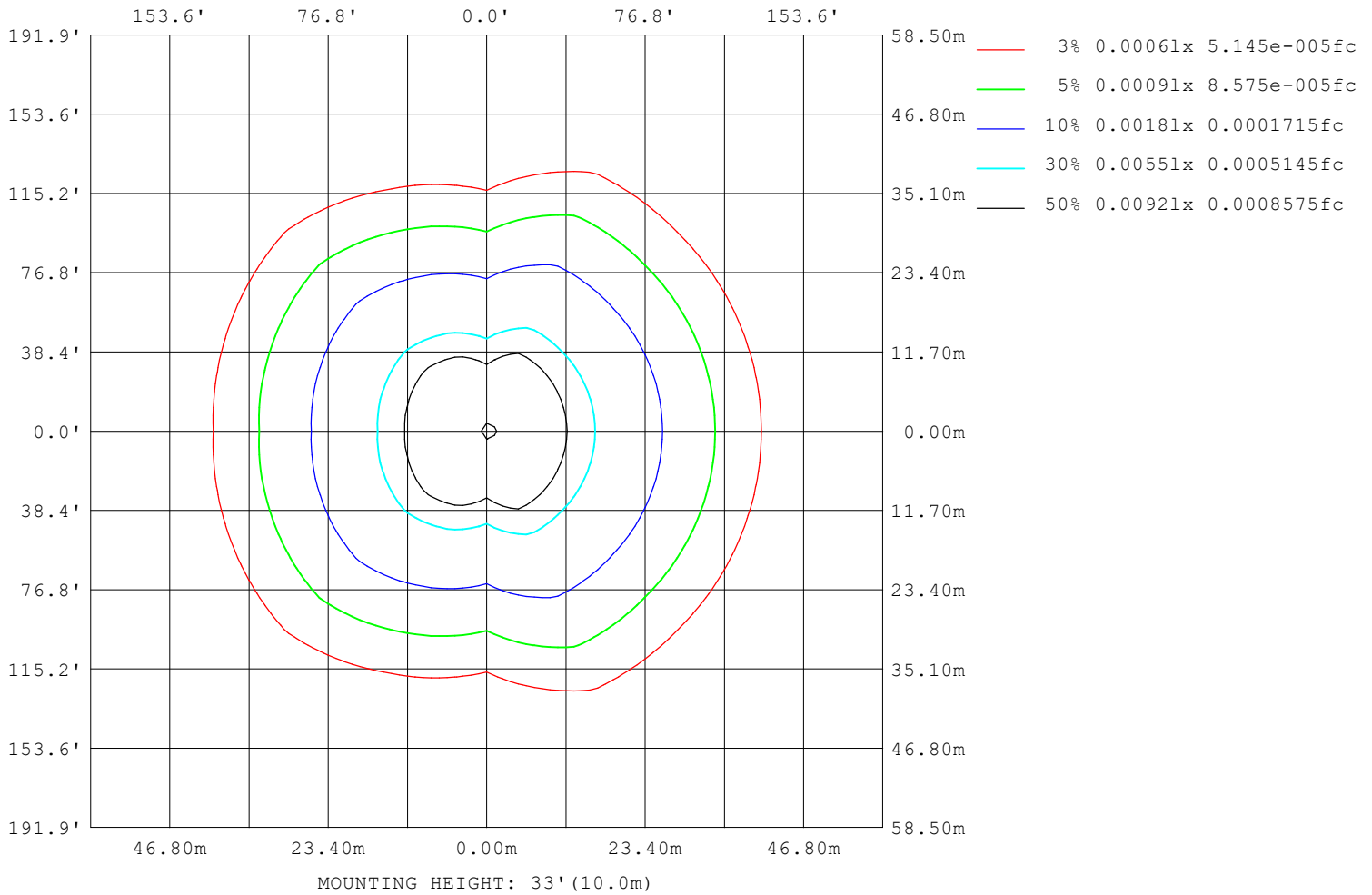
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-003-2700K
 1.5W / 2700K
 24V DC

ISOLUX DIAGRAM

Test:U:23.991V I:0.0147A P:0.3522W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:38.6585x1 lm		
NAME: AQF-G-003-2700K	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-003-2700K
 1.5W / 2700K
 24V DC

LED Avg.L Report

Test:U:23.991V I:0.0147A P:0.3522W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:38.6585x1 lm		
NAME: AQF-G-003-2700K	TYPE: E27 GLOBE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: -
MFR.: AQUALUX	SUR.:	Shielding Angle:

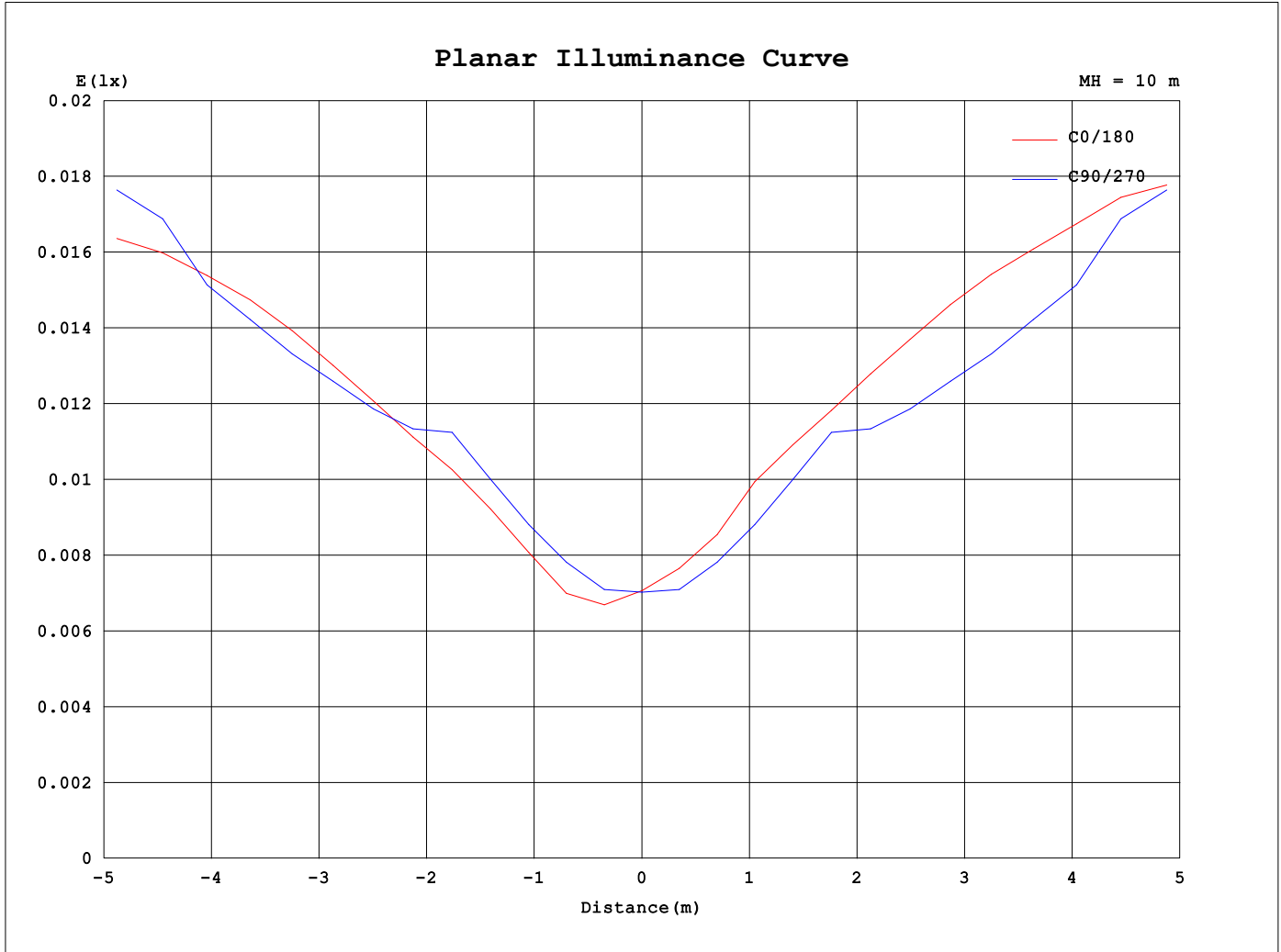
AvgL	cd/m2
L_0~180 (65) av	4690
L_0~180 (75) av	7872
L_0~180 (85) av	23299
L_90~270 (65) av	3318
L_90~270 (75) av	5501
L_90~270 (85) av	16165
L_45 (65) av	4973
L_45 (75) av	8347
L_45 (85) av	24547

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-003-2700K
 1.5W / 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-003-2700K
 1.5W / 2700K
 24V DC

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.991V I:0.0147A P:0.3522W PF:1.0000 Freq:0Hz		
UTHdi:0.00% ITHdi:0.00% KDisp:0 Lamp Flux:38.6585x1 lm		
NAME: AQF-G-003-2700K	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	0.70	0.70	0.70	0.70	0.70	0.71	0.70	0.70	0.71	0.70	0.70	0.71	0.70	0.70	0.70	0.70			
5	0.70	0.71	0.69	0.72	0.79	0.85	0.86	0.85	0.86	0.85	0.86	0.85	0.79	0.72	0.69	0.71			
10	1.07	1.07	1.08	1.05	1.18	1.13	1.28	1.28	1.24	1.28	1.28	1.13	1.18	1.05	1.08	1.07			
15	1.32	1.32	1.35	1.30	1.30	1.41	1.58	1.55	1.50	1.55	1.58	1.41	1.30	1.30	1.35	1.32			
20	1.78	1.71	1.85	1.87	1.71	1.97	2.11	2.01	1.94	2.01	2.11	1.97	1.71	1.87	1.85	1.71			
25	2.10	2.02	2.16	2.22	2.22	2.41	2.41	2.30	2.29	2.30	2.41	2.41	2.22	2.22	2.16	2.02			
30	2.53	2.49	2.55	2.58	2.48	2.69	2.81	2.74	2.69	2.74	2.81	2.69	2.48	2.58	2.55	2.49			
35	2.78	2.73	2.81	2.87	2.31	2.86	3.10	2.99	2.91	2.99	3.10	2.86	2.31	2.87	2.81	2.73			
40	3.06	3.03	3.15	3.32	2.48	3.21	3.49	3.27	3.19	3.27	3.49	3.21	2.48	3.32	3.15	3.03			
45	3.22	3.20	3.34	3.47	2.53	3.32	3.67	3.43	3.33	3.43	3.67	3.32	2.53	3.47	3.34	3.20			
50	3.46	3.45	3.57	3.71	2.63	3.45	3.91	3.67	3.55	3.67	3.91	3.45	2.63	3.71	3.57	3.45			
55	3.60	3.61	3.70	3.85	2.68	3.50	4.04	3.82	3.67	3.82	4.04	3.50	2.68	3.85	3.70	3.61			
60	3.77	3.79	3.84	4.01	2.72	3.52	4.19	3.98	3.80	3.98	4.19	3.52	2.72	4.01	3.84	3.79			
65	3.87	3.88	3.92	4.12	2.75	3.51	4.29	4.06	3.88	4.06	4.29	3.51	2.75	4.12	3.92	3.88			
70	3.99	3.99	4.02	4.22	2.77	3.51	4.38	4.14	3.96	4.14	4.38	3.51	2.77	4.22	4.02	3.99			
75	4.02	4.02	4.06	4.25	2.79	3.51	4.41	4.16	3.97	4.16	4.41	3.51	2.79	4.25	4.06	4.02			
80	4.04	4.05	4.07	4.24	2.79	3.49	4.39	4.16	3.95	4.16	4.39	3.49	2.79	4.24	4.07	4.05			
85	4.04	4.04	4.05	4.20	2.77	3.46	4.36	4.13	3.93	4.13	4.36	3.46	2.77	4.20	4.05	4.04			
90	4.05	4.01	4.04	4.22	2.77	3.42	4.34	4.10	3.92	4.10	4.34	3.42	2.77	4.22	4.04	4.01			
95	4.05	3.98	4.04	4.23	2.77	3.38	4.33	4.09	3.91	4.09	4.33	3.38	2.77	4.23	4.04	3.98			
100	4.01	3.96	4.02	4.17	2.73	3.32	4.26	4.03	3.85	4.03	4.26	3.32	2.73	4.17	4.02	3.96			
105	3.97	3.95	3.97	4.11	2.69	3.25	4.20	3.97	3.79	3.97	4.20	3.25	2.69	4.11	3.97	3.95			
110	3.93	3.90	3.91	4.04	2.65	3.13	4.10	3.85	3.72	3.85	4.10	3.13	2.65	4.04	3.91	3.90			
115	3.92	3.88	3.83	3.90	2.57	3.01	3.97	3.77	3.67	3.77	3.97	3.01	2.57	3.90	3.83	3.88			
120	3.79	3.68	3.53	3.54	2.45	2.74	3.67	3.55	3.45	3.55	3.67	2.74	2.45	3.54	3.53	3.68			
125	3.54	3.46	3.32	3.30	2.34	2.54	3.44	3.34	3.18	3.34	3.44	2.54	2.34	3.30	3.32	3.46			
130	3.10	3.01	2.93	2.90	2.15	2.26	3.05	2.94	2.72	2.94	3.05	2.26	2.15	2.90	2.93	3.01			
135	2.71	2.66	2.61	2.61	2.01	2.05	2.69	2.57	2.33	2.57	2.69	2.05	2.01	2.61	2.61	2.66			
140	2.05	2.03	1.96	1.95	1.59	1.58	1.97	1.85	1.69	1.85	1.97	1.58	1.59	1.95	1.96	2.03			
145	1.61	1.58	1.51	1.49	1.28	1.33	1.50	1.36	1.23	1.36	1.50	1.33	1.28	1.49	1.51	1.58			
150	0.94	0.90	0.84	0.79	0.83	1.07	0.82	0.67	0.58	0.67	0.82	1.07	0.83	0.79	0.84	0.90			
155	0.50	0.47	0.42	0.41	0.61	0.84	0.51	0.33	0.17	0.33	0.51	0.84	0.61	0.41	0.42	0.47			
160	0.02	0.02	0.02	0.02	0.02	0.09	0.02	0.02	0.01	0.02	0.02	0.09	0.02	0.02	0.02	0.02			
165	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01			
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

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]
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 1.5W / 2700K
 24V DC