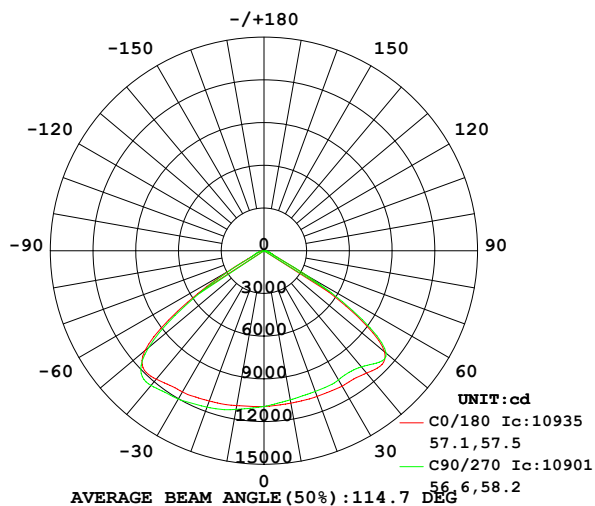


## LUMINAIRE PHOTOMETRIC TEST REPORT

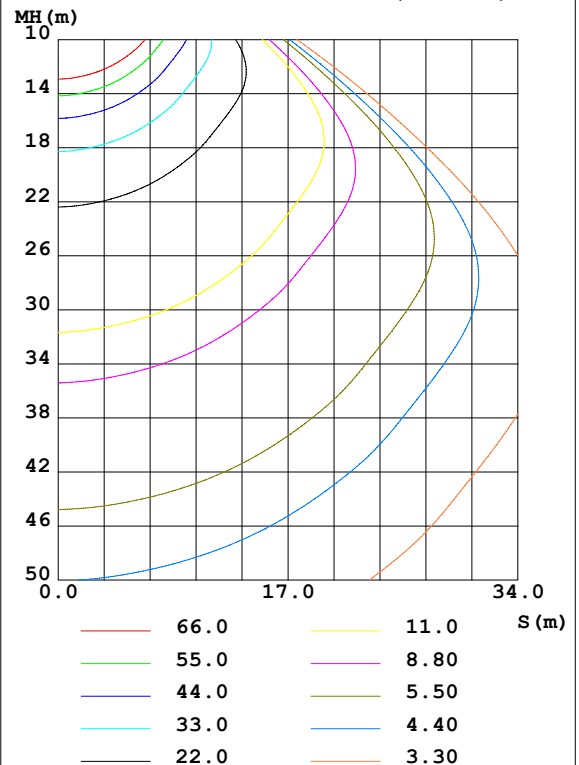
Test:U:220.7V I:1.105A P:239.2W PF:0.9806 Freq:49.99Hz Lamp Flux:33612.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-240Woh-3030-120D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.29M	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 140.49 lm/W			
MODEL	3030	I <sub>max</sub> (cd)	12418	S/MH (C0/180)	1.63
NOMINAL POWER (W)	240	LOR (%)	100.0	S/MH (C90/270)	1.70
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	33612	η UP, DN (C0-180)	0.0, 49.2
NOMINAL FLUX (lm)	33612.1	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 50.8
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.75
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	1.75

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2018-10-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.684m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1087	1067	1063	1077	1104	1126	1131	1117	0- 10	1044	1044	3.11,3.11
20	1089	1053	1052	1075	1123	1157	1169	1143	10- 20	3126	4170	12.4,12.4
30	1098	1051	1047	1076	1145	1192	1203	1166	20- 30	5163	9334	27.8,27.8
40	1122	1070	1065	1102	1177	1225	1235	1197	30- 40	7096	16430	48.9,48.9
50	1106	1123	1120	1117	1092	1072	1060	1082	40- 50	8931	25361	75.5,75.5
60	314.3	353.0	353.6	360.4	302.3	283.4	275.5	286.6	50- 60	6639	32000	95.2,95.2
70	55.91	53.71	52.57	53.14	56.48	59.02	61.18	57.60	60- 70	1150	33151	98.6,98.6
80	19.98	18.15	18.01	18.78	19.78	21.42	22.75	21.25	70- 80	401.6	33552	99.8,99.8
90	0	0	0	0	0	0	0	0	80- 90	60.03	33612	100,100
100	0	0	0	0	0	0	0	0	90-100	0	33612	100,100
110	0	0	0	0	0	0	0	0	100-110	0	33612	100,100
120	0	0	0	0	0	0	0	0	110-120	0	33612	100,100
130	0	0	0	0	0	0	0	0	120-130	0	33612	100,100
140	0	0	0	0	0	0	0	0	130-140	0	33612	100,100
150	0	0	0	0	0	0	0	0	140-150	0	33612	100,100
160	0	0	0	0	0	0	0	0	150-160	0	33612	100,100
170	0	0	0	0	0	0	0	0	160-170	0	33612	100,100
180	0	0	0	0	0	0	0	0	170-180	0	33612	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 20732 lm

%lum = 61.7%

%lamp = 61.7%

Conical surface Flux(120deg): 32000 lm

%lum = 95.2%

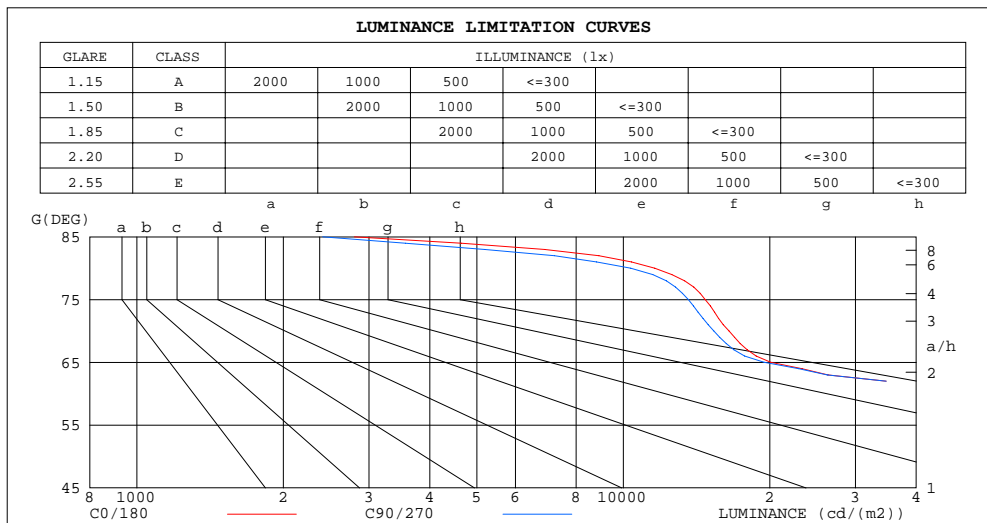
%lamp = 95.2%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-10-19

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.684m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:220.7V I:1.105A P:239.2W PF:0.9806 Freq:49.99Hz Lamp Flux:33612.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-240Woh-3030-120D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.29M	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2799	2410
80	11605	10352
75	14733	13606
70	16488	15341
65	20096	19481
60	63406	70594
55	139693	146754
50	173472	173863
45	164047	157524

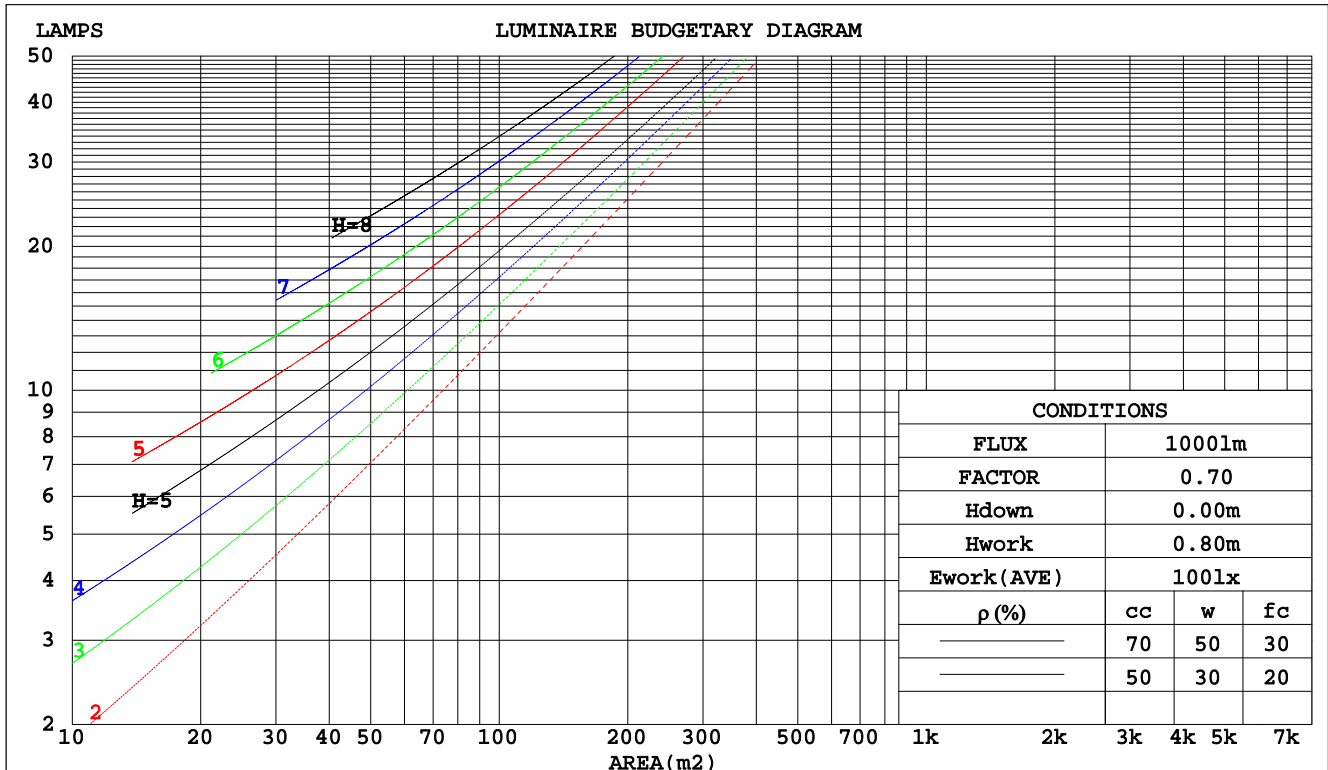
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-10-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.684m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.7V I:1.105A P:239.2W PF:0.9806 Freq:49.99Hz Lamp Flux:33612.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-240WoH-3030-120D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.29M	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.07	1.04	1.00	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.93	.92	.90	.88
2.0	.95	.89	.84	.93	.88	.83	.90	.85	.82	.87	.83	.80	.84	.81	.78	.76
3.0	.85	.77	.72	.83	.76	.71	.80	.74	.70	.77	.73	.69	.75	.71	.67	.65
4.0	.75	.67	.61	.74	.67	.61	.72	.65	.60	.69	.64	.59	.67	.62	.58	.56
5.0	.67	.59	.53	.66	.58	.53	.64	.57	.52	.62	.56	.51	.60	.55	.51	.49
6.0	.60	.52	.46	.60	.52	.46	.58	.51	.45	.56	.50	.45	.55	.49	.45	.43
7.0	.55	.46	.40	.54	.46	.40	.52	.45	.40	.51	.44	.40	.50	.44	.39	.37
8.0	.50	.41	.36	.49	.41	.36	.48	.40	.35	.46	.40	.35	.45	.39	.35	.33
9.0	.45	.37	.32	.45	.37	.32	.44	.37	.32	.42	.36	.31	.41	.36	.31	.29
10.0	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-10-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.684m [K=1.0000]  
Remarks:

## WEC AND CCEC

Test:U:220.7V I:1.105A P:239.2W PF:0.9806 Freq:49.99Hz Lamp Flux:33612.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-240WoH-3030-120D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.29M	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.250	.142	.045	.243	.138	.044	.230	.132	.042	.218	.126	.040	.207	.120	.039		
2.0	.247	.135	.041	.241	.133	.041	.229	.128	.040	.219	.123	.038	.209	.118	.037		
3.0	.237	.126	.038	.232	.124	.037	.222	.120	.037	.212	.116	.036	.204	.113	.035		
4.0	.225	.117	.034	.220	.115	.034	.212	.112	.033	.203	.109	.033	.196	.106	.032		
5.0	.213	.108	.031	.209	.107	.031	.201	.104	.031	.193	.102	.030	.187	.100	.030		
6.0	.201	.101	.029	.197	.100	.029	.190	.097	.028	.183	.095	.028	.177	.093	.028		
7.0	.189	.094	.027	.186	.093	.026	.180	.091	.026	.174	.089	.026	.168	.087	.026		
8.0	.179	.087	.025	.176	.087	.024	.170	.085	.024	.165	.083	.024	.160	.082	.024		
9.0	.169	.082	.023	.166	.081	.023	.161	.080	.023	.156	.078	.022	.152	.077	.022		
10.0	.160	.077	.021	.157	.076	.021	.153	.075	.021	.148	.074	.021	.144	.073	.021		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.176	.157	.139	.151	.134	.120	.103	.093	.083	.059	.054	.048	.019	.017	.016	
2.0	.166	.132	.103	.142	.114	.089	.098	.079	.062	.056	.046	.037	.018	.015	.012	
3.0	.158	.114	.079	.136	.098	.068	.093	.068	.048	.054	.040	.028	.017	.013	.009	
4.0	.151	.100	.062	.129	.087	.054	.089	.060	.038	.052	.035	.022	.017	.012	.007	
5.0	.144	.090	.050	.124	.078	.043	.085	.054	.031	.049	.032	.018	.016	.010	.006	
6.0	.138	.081	.041	.119	.071	.036	.082	.049	.025	.047	.029	.015	.015	.009	.005	
7.0	.132	.075	.034	.113	.065	.030	.078	.045	.021	.046	.027	.013	.015	.009	.004	
8.0	.126	.069	.030	.109	.060	.026	.075	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.121	.064	.026	.104	.056	.023	.072	.039	.016	.042	.023	.010	.014	.008	.003	
10.0	.115	.060	.023	.099	.052	.020	.069	.037	.014	.040	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-10-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.684m [K=1.0000]  
Remarks:

## UGR(Unified Glare Rating) Table

Test:U:220.7V I:1.105A P:239.2W PF:0.9806 Freq:49.99Hz Lamp Flux:33612.1x1 lm										
NAME: AOK oH					TYPE:LED			WEIGHT:6KG		
SPEC.:AOK-240WoH-3030-120D					DIM.: 0.4*0.141M			SERIAL No.:1		
MFR.: AOK					SUR.:±0.29M			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	17.7	19.1	17.9	19.3	19.5	17.8	19.2	18.0	19.4	19.6
3H	17.5	18.8	17.8	19.0	19.3	17.6	18.9	17.9	19.1	19.3
4H	17.4	18.7	17.7	18.9	19.1	17.5	18.7	17.8	19.0	19.2
6H	17.4	18.5	17.7	18.8	19.0	17.4	18.6	17.8	18.8	19.1
8H	17.3	18.4	17.6	18.7	19.0	17.4	18.5	17.7	18.8	19.0
12H	17.3	18.3	17.6	18.6	18.9	17.3	18.4	17.7	18.7	19.0
4H 2H	17.6	18.8	17.9	19.1	19.3	17.7	18.9	18.0	19.2	19.4
3H	17.5	18.5	17.8	18.8	19.1	17.6	18.6	17.9	18.9	19.2
4H	17.4	18.4	17.8	18.7	19.0	17.5	18.5	17.9	18.8	19.1
6H	17.4	18.2	17.8	18.6	18.9	17.5	18.3	17.9	18.6	19.0
8H	17.4	18.1	17.8	18.5	18.9	17.4	18.2	17.8	18.5	18.9
12H	17.3	18.0	17.7	18.4	18.8	17.4	18.1	17.8	18.5	18.9
8H 4H	17.3	18.1	17.7	18.5	18.8	17.4	18.2	17.8	18.5	18.9
6H	17.3	17.9	17.7	18.3	18.7	17.4	18.0	17.8	18.4	18.8
8H	17.3	17.8	17.7	18.2	18.7	17.3	17.9	17.8	18.3	18.7
12H	17.2	17.7	17.7	18.1	18.6	17.3	17.8	17.8	18.2	18.7
12H 4H	17.3	18.0	17.7	18.4	18.8	17.4	18.1	17.8	18.4	18.8
6H	17.3	17.8	17.7	18.2	18.7	17.3	17.9	17.8	18.3	18.7
8H	17.2	17.7	17.7	18.1	18.6	17.3	17.8	17.8	18.2	18.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.7					+ 0.4 / - 0.5				
1.5H	+ 1.2 / - 2.9					+ 1.2 / - 3.3				
2.0H	+ 2.7 / - 8.6					+ 2.7 / - 9.2				

CIE Pub.117, 33612 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 12.2$ )

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-10-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.684m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:220.7V I:1.105A P:239.2W PF:0.9806 Freq:49.99Hz Lamp Flux:33612.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-240WoH-3030-120D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.29M	Shielding Angle:

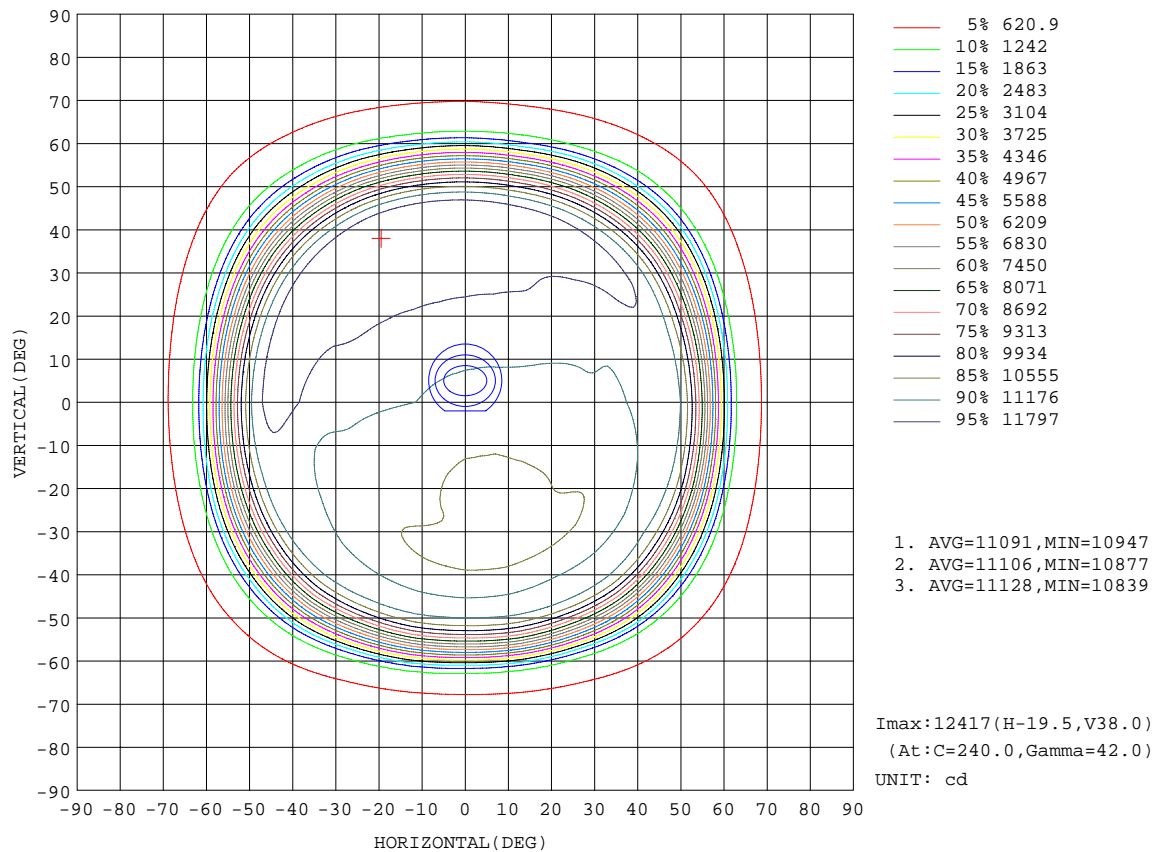
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT)    k(RI) x RCR = 5									
k = 0.60	58	46	39	57	46	39	56	46	39	33
0.80	70	59	52	69	58	52	67	58	51	45
1.00	80	70	63	79	70	63	77	71	63	56
1.25	88	79	72	87	78	72	84	77	71	65
1.50	93	84	78	91	84	78	89	82	77	70
2.00	100	92	87	98	91	86	95	89	85	78
2.50	103	96	91	101	95	90	97	92	88	81
3.00	105	100	95	103	98	94	100	95	92	84
4.00	108	104	100	106	102	98	102	99	96	87
5.00	110	106	102	108	104	101	103	100	98	89
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-10-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.684m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

Test:U:220.7V I:1.105A P:239.2W PF:0.9806 Freq:49.99Hz Lamp Flux:33612.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-240WoH-3030-120D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.: $\phi$ 0.29M	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-10-19

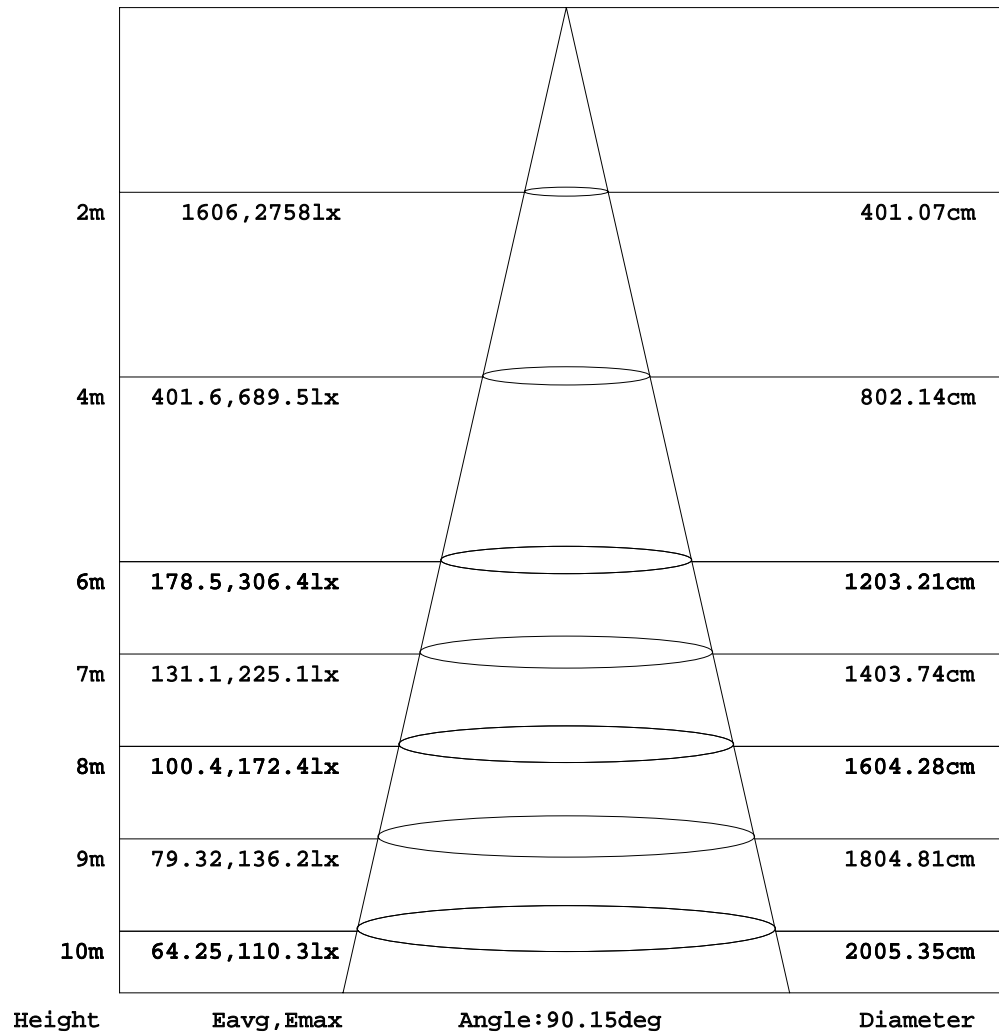
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.684m [K=1.0000]  
Remarks:



## AAI Figure

Test:U:220.7V I:1.105A P:239.2W PF:0.9806 Freq:49.99Hz Lamp Flux:33612.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-240WoH-3030-120D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.29M	Shielding Angle:

Flux out:21645 lm



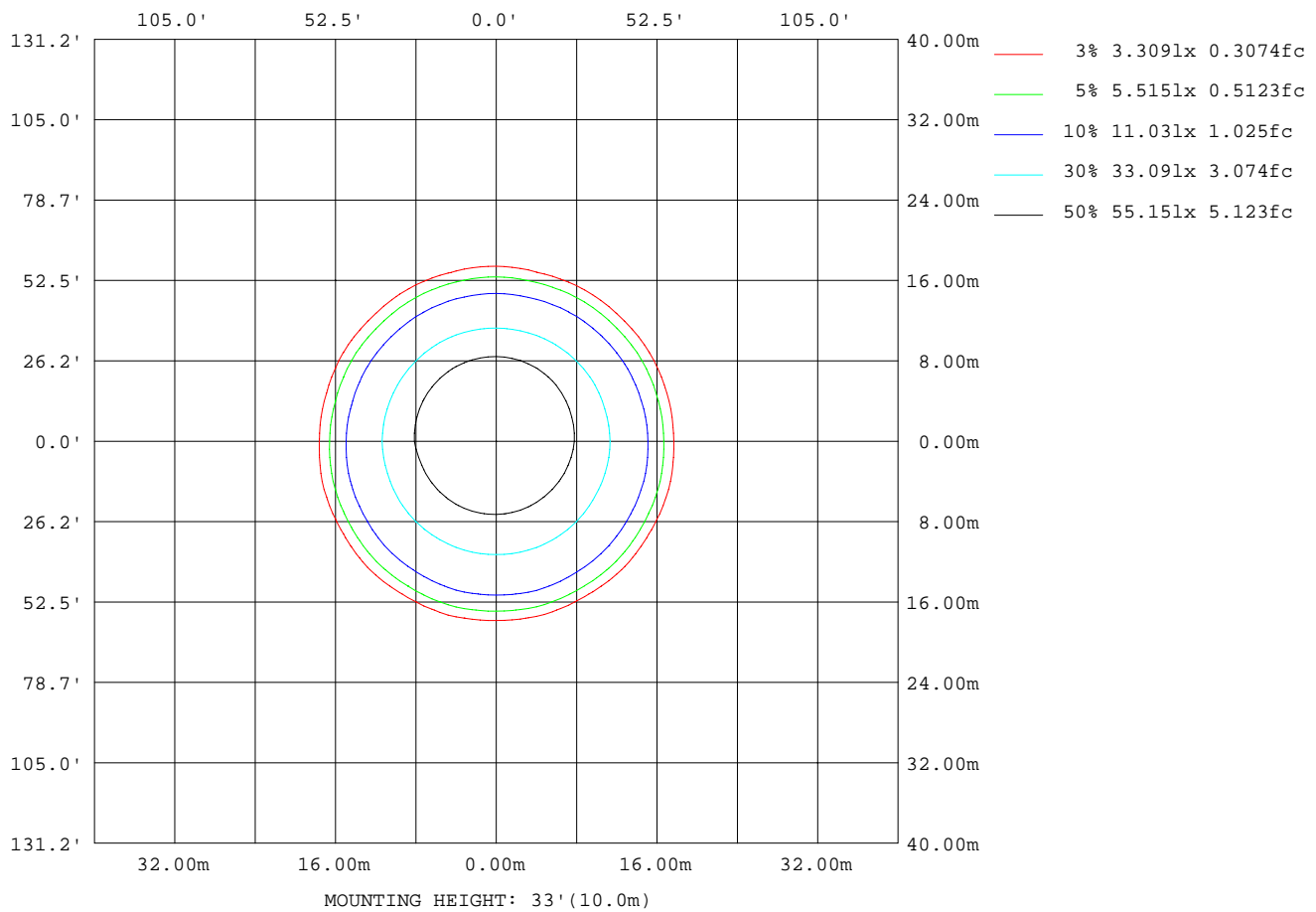
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2018-10-19

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 7.684m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

Test:U:220.7V I:1.105A P:239.2W PF:0.9806 Freq:49.99Hz Lamp Flux:33612.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-240Woh-3030-120D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.: $\phi$ 0.29M	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-10-19

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.684m [K=1.0000]  
Remarks:

## LED Avg.L Report

Test:U:220.7V I:1.105A P:239.2W PF:0.9806 Freq:49.99Hz Lamp Flux:33612.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-240WoH-3030-120D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.29M	Shielding Angle:

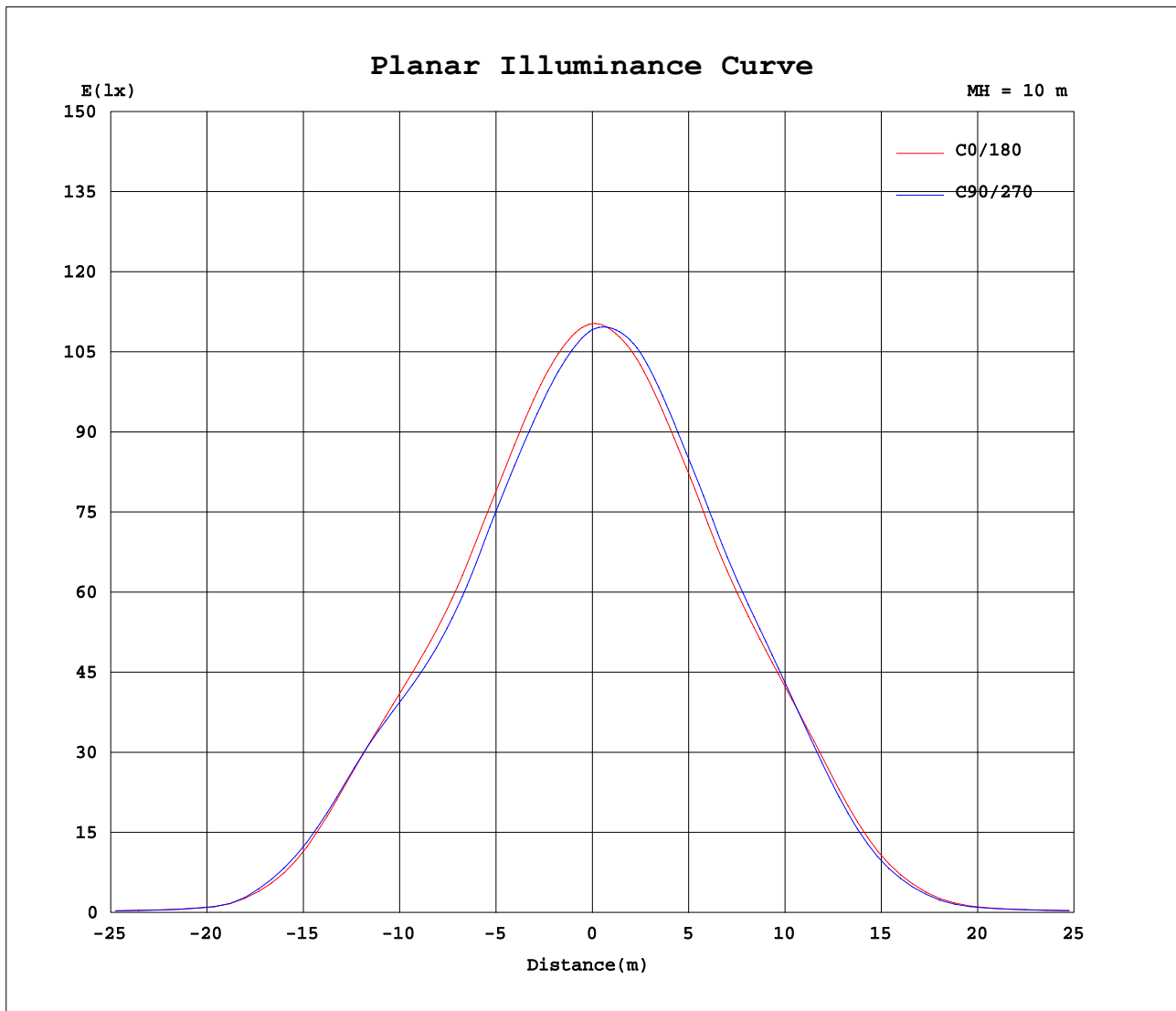
AvgL	cd/m2
L_0~180 (65) av	20469
L_0~180 (75) av	14665
L_0~180 (85) av	2650
L_90~270 (65) av	20315
L_90~270 (75) av	14979
L_90~270 (85) av	2868
L_45 (65) av	20477
L_45 (75) av	14607
L_45 (85) av	2735

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-10-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.684m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2018-10-19

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.684m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.7V I:1.105A P:239.2W PF:0.9806 Freq:49.99Hz Lamp Flux:33612.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-240WoH-3030-120D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.29M	Shielding Angle:

Table--1

UNIT: ×10cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1094	1094	1094	1094	1094	1094	1094	1094	1094	1094	1094	1094	1094	1094	1094	1094	1094	1094	1094
5	1089	1085	1081	1078	1076	1075	1076	1078	1080	1083	1087	1091	1097	1100	1104	1107	1109	1110	1110
10	1087	1079	1072	1067	1063	1062	1063	1066	1071	1077	1084	1092	1104	1113	1120	1126	1131	1133	1131
15	1087	1075	1065	1057	1054	1053	1055	1060	1067	1075	1085	1097	1115	1125	1136	1144	1151	1154	1154
20	1089	1073	1061	1053	1049	1048	1052	1057	1066	1075	1087	1101	1123	1135	1147	1157	1165	1169	1169
25	1091	1073	1060	1050	1047	1047	1052	1058	1068	1079	1093	1108	1134	1148	1162	1173	1182	1184	1184
30	1098	1079	1062	1051	1044	1042	1047	1056	1065	1076	1093	1112	1145	1163	1180	1192	1203	1205	1203
35	1100	1078	1059	1044	1038	1039	1042	1051	1062	1077	1093	1117	1154	1173	1191	1203	1209	1215	1213
40	1122	1099	1082	1070	1068	1062	1065	1073	1087	1102	1127	1143	1177	1194	1211	1225	1235	1237	1235
45	1150	1134	1121	1118	1120	1114	1116	1121	1131	1143	1159	1165	1187	1195	1205	1214	1226	1222	1220
50	1106	1110	1108	1123	1125	1127	1120	1122	1117	1117	1107	1100	1092	1081	1078	1072	1076	1067	1060
55	794	825	830	850	844	862	843	854	828	825	788	776	741	720	715	699	698	687	684
60	314	336	335	353	344	361	354	368	354	360	336	329	302	293	301	283	288	273	276
65	84.2	84.8	82.9	82.4	80.9	82.2	82.5	84.8	84.9	88.1	87.7	89.1	88.8	89.6	91.8	90.3	91.2	89.3	89.2
70	55.9	55.5	54.2	53.7	52.8	53.1	52.6	52.5	52.0	53.1	53.5	54.9	56.5	57.2	58.8	59.0	60.6	61.0	61.2
75	37.8	37.6	36.5	35.9	35.3	35.5	35.3	35.3	34.8	35.6	35.7	36.8	38.1	38.7	40.2	40.3	41.8	41.9	42.3
80	20.0	19.8	18.5	18.1	17.6	17.9	18.0	18.6	18.2	18.8	18.6	19.1	19.8	20.4	21.2	21.4	22.4	22.6	22.7
85	2.42	2.34	2.13	2.13	2.04	2.12	2.10	2.23	2.14	2.22	2.09	2.24	2.20	2.19	2.43	2.47	2.81	2.84	2.90
90	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	0.00	0.00	0.00
95	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	0.00	0.00	0.00
100	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	0.00	0.00	0.00
105	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	0.00	0.00	0.00
110	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	0.00	0.00	0.00
115	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	0.00	0.00	0.00
120	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	0.00	0.00	0.00
125	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	0.00	0.00	0.00
130	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	0.00	0.00	0.00
135	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	0.00	0.00	0.00
140	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	0.00	0.00	0.00
145	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	0.00	0.00	0.00
150	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	0.00	0.00	0.00
155	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	0.00	0.00	0.00
160	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	0.00	0.00	0.00
165	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	0.00	0.00	0.00
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	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	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	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-10-19

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.684m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.7V I:1.105A P:239.2W PF:0.9806 Freq:49.99Hz Lamp Flux:33612.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-240WoH-3030-120D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.29M	Shielding Angle:

Table--2

UNIT: ×10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1094	1094	1094	1094	1094														
5	1109	1107	1103	1099	1095														
10	1129	1123	1117	1109	1099														
15	1150	1142	1132	1120	1106														
20	1165	1156	1143	1127	1111														
25	1179	1169	1154	1136	1116														
30	1197	1185	1166	1147	1125														
35	1207	1194	1172	1146	1126														
40	1229	1215	1197	1174	1150														
45	1214	1210	1201	1192	1168														
50	1056	1072	1082	1097	1096														
55	678	703	720	751	765														
60	258	281	287	308	312														
65	86.3	86.1	85.4	86.3	84.5														
70	59.5	58.8	57.6	57.2	56.3														
75	41.1	40.4	39.4	39.1	38.1														
80	22.2	21.8	21.2	21.2	20.4														
85	2.65	2.84	2.71	2.80	2.55														
90	0.00	0.00	0.00	0.00	0.00														
95	0.00	0.00	0.00	0.00	0.00														
100	0.00	0.00	0.00	0.00	0.00														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.00	0.00	0.00	0.00														
135	0.00	0.00	0.00	0.00	0.00														
140	0.00	0.00	0.00	0.00	0.00														
145	0.00	0.00	0.00	0.00	0.00														
150	0.00	0.00	0.00	0.00	0.00														
155	0.00	0.00	0.00	0.00	0.00														
160	0.00	0.00	0.00	0.00	0.00														
165	0.00	0.00	0.00	0.00	0.00														
170	0.00	0.00	0.00	0.00	0.00														
175	0.00	0.00	0.00	0.00	0.00														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-10-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.684m [K=1.0000]  
Remarks: