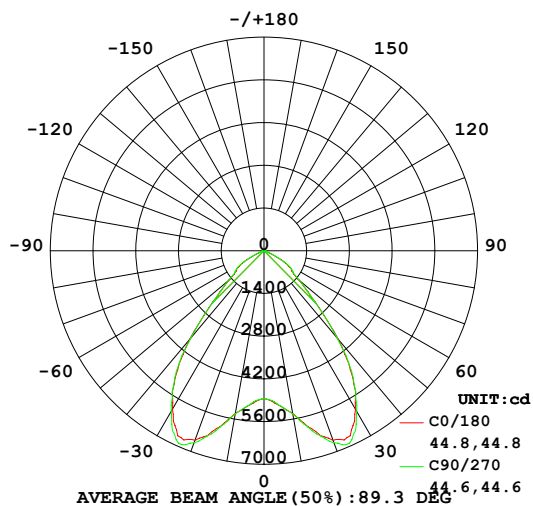


## LUMINAIRE PHOTOMETRIC TEST REPORT

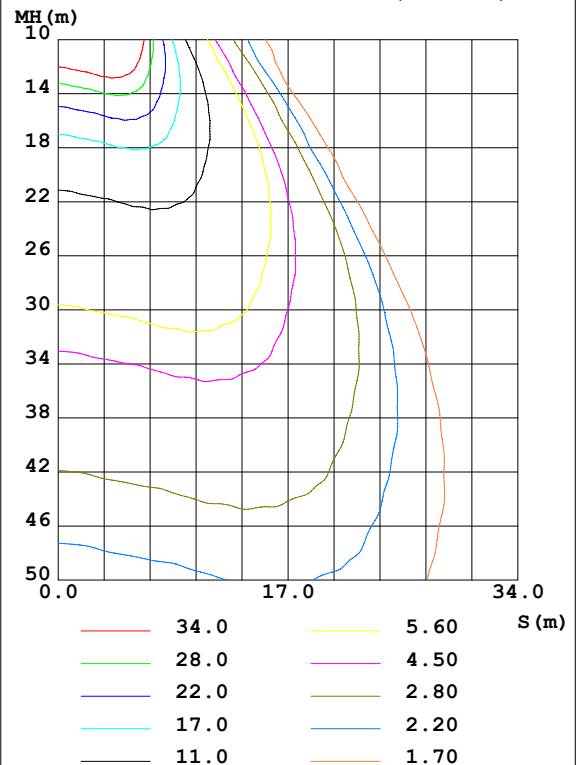
Test:U:220.0V I:0.4901A P:101.1W PF:0.9858 Freq:49.99Hz Lamp Flux:11787.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-3030-120D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 116.59 lm/W			
MODEL	3030	I <sub>max</sub> (cd)	6903	S/MH (C0/180)	1.30
NOMINAL POWER (W)	100	LOR (%)	100.0	S/MH (C90/270)	1.30
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	11788	$\eta$ UP, DN (C0-180)	0.0, 50.0
NOMINAL FLUX (lm)	11787.7	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.0, 50.0
LAMPS INSIDE	1	$\eta$ up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220	$\eta$ down (%)	100.0	CIBSE SHR MAX	1.25

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2018-01-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.633m [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	5411	5465	5430	5465	5411	5465	5430	5465	0- 10	495.1	495.1	4.2,4.2
20	6610	6659	6697	6659	6610	6659	6697	6659	10- 20	1745	2240	19,19
30	6002	6030	6082	6030	6002	6030	6082	6030	20- 30	3049	5288	44.9,44.9
40	3786	3846	3733	3846	3786	3846	3733	3846	30- 40	3133	8422	71.4,71.4
50	1500	1371	1488	1371	1500	1371	1488	1371	40- 50	1850	10272	87.1,87.1
60	831.7	815.9	856.7	815.9	831.7	815.9	856.7	815.9	50- 60	983.2	11255	95.5,95.5
70	130.8	133.4	133.1	133.4	130.8	133.4	133.1	133.4	60- 70	410.8	11666	99,99
80	50.18	49.38	51.36	49.38	50.18	49.38	51.36	49.38	70- 80	86.59	11753	99.7,99.7
90	0	0	0	0	0	0	0	0	80- 90	35.10	11788	100,100
100	0	0	0	0	0	0	0	0	90-100	0	11788	100,100
110	0	0	0	0	0	0	0	0	100-110	0	11788	100,100
120	0	0	0	0	0	0	0	0	110-120	0	11788	100,100
130	0	0	0	0	0	0	0	0	120-130	0	11788	100,100
140	0	0	0	0	0	0	0	0	130-140	0	11788	100,100
150	0	0	0	0	0	0	0	0	140-150	0	11788	100,100
160	0	0	0	0	0	0	0	0	150-160	0	11788	100,100
170	0	0	0	0	0	0	0	0	160-170	0	11788	100,100
180	0	0	0	0	0	0	0	0	170-180	0	11788	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 9540.8 lm

%lum = 80.9%

%lamp = 80.9%

Conical surface Flux(120deg): 11255 lm

%lum = 95.5%

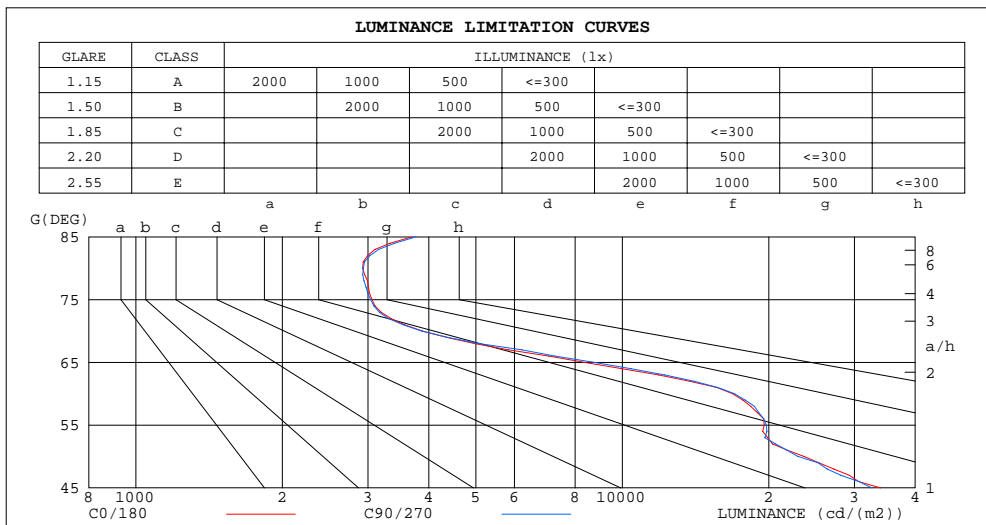
%lamp = 95.5%

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-01-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.633m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:220.0V I:0.4901A P:101.1W PF:0.9858 Freq:49.99Hz Lamp Flux:11787.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-120D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	3695	3769
80	2927	2934
75	3058	3040
70	3875	3861
65	8342	8735
60	16850	16997
55	19569	19760
50	23635	22961
45	33948	32592

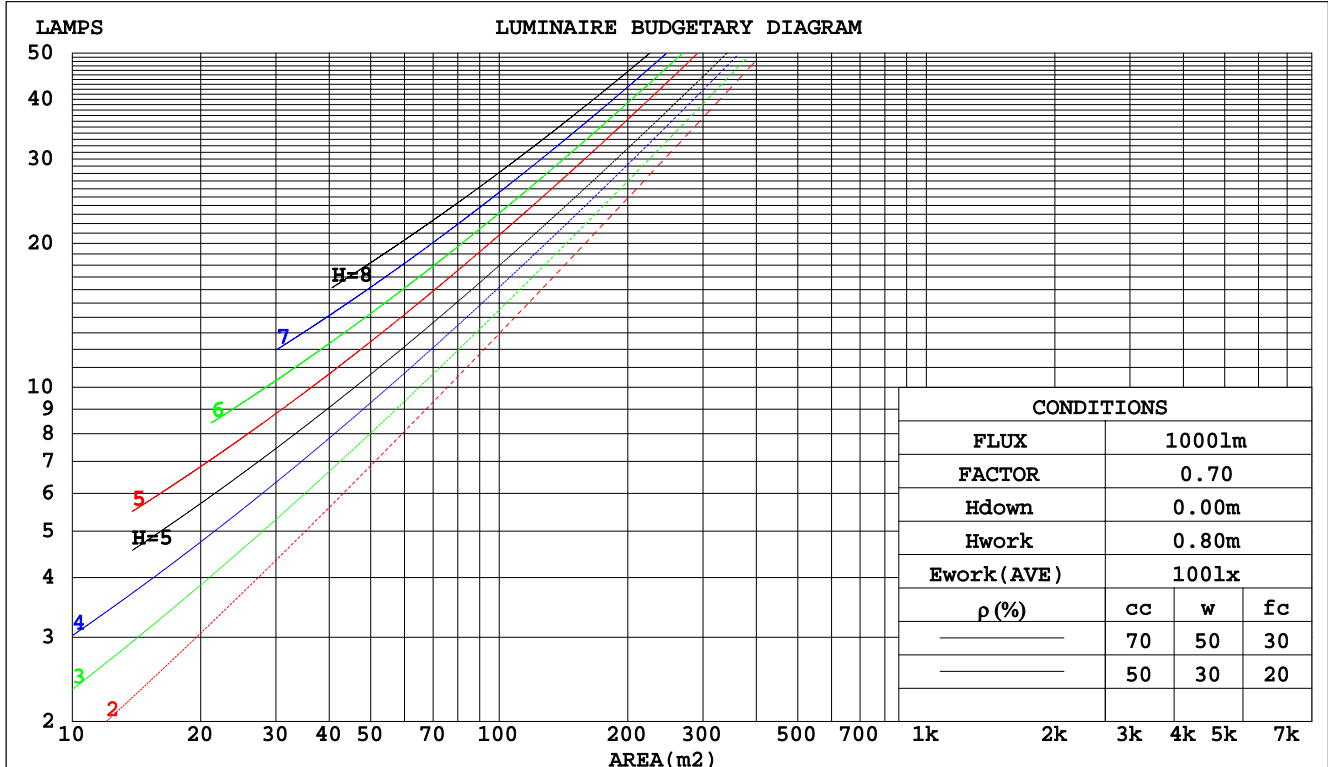
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-01-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.633m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.0V I:0.4901A P:101.1W PF:0.9858 Freq:49.99Hz Lamp Flux:11787.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-120D-PC	DIM.: $\phi$ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: $\phi$ 0.16M	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	1.00
1.0	1.08	1.05	1.03	1.06	1.03	1.01	1.02	.00	.98	.98	.96	.95	.95	.93	.92	.90
2.0	.98	.93	.89	.96	.92	.88	.93	.89	.86	.90	.87	.84	.87	.85	.82	.80
3.0	.89	.83	.78	.88	.82	.77	.85	.80	.76	.82	.78	.75	.80	.76	.73	.72
4.0	.81	.74	.69	.80	.73	.68	.78	.72	.67	.75	.71	.67	.73	.69	.66	.64
5.0	.74	.67	.61	.73	.66	.61	.71	.65	.60	.69	.64	.60	.67	.63	.59	.57
6.0	.68	.60	.55	.67	.60	.55	.65	.59	.54	.64	.58	.54	.62	.57	.53	.52
7.0	.62	.55	.50	.62	.54	.49	.60	.54	.49	.59	.53	.49	.58	.52	.49	.47
8.0	.57	.50	.45	.57	.50	.45	.56	.49	.45	.54	.49	.44	.53	.48	.44	.43
9.0	.53	.46	.41	.53	.46	.41	.52	.45	.41	.51	.45	.41	.50	.44	.40	.39
10.0	.49	.42	.38	.49	.42	.38	.48	.42	.37	.47	.41	.37	.46	.41	.37	.36



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-01-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.633m [K=1.0000]  
Remarks:

## WEC AND CCEC

Test:U:220.0V I:0.4901A P:101.1W PF:0.9858 Freq:49.99Hz Lamp Flux:11787.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-120D-PC	DIM.: $\phi$ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: $\phi$ 0.16M	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	.223	.127	.040	.216	.123	.039	.203	.117	.037	.191	.110	.035	.181	.105	.034		
2.0	.217	.119	.036	.211	.116	.036	.200	.111	.035	.190	.106	.033	.180	.102	.032		
3.0	.207	.110	.033	.202	.108	.033	.193	.104	.032	.184	.101	.031	.176	.097	.030		
4.0	.197	.102	.030	.193	.101	.030	.184	.098	.029	.176	.095	.029	.169	.092	.028		
5.0	.187	.095	.028	.183	.094	.027	.176	.091	.027	.169	.089	.026	.162	.087	.026		
6.0	.177	.089	.025	.174	.088	.025	.167	.086	.025	.161	.084	.025	.155	.082	.024		
7.0	.168	.083	.024	.165	.082	.023	.159	.080	.023	.154	.079	.023	.148	.077	.023		
8.0	.160	.078	.022	.157	.077	.022	.152	.076	.022	.147	.074	.021	.142	.073	.021		
9.0	.152	.073	.021	.149	.073	.020	.145	.071	.020	.140	.070	.020	.136	.069	.020		
10.0	.145	.069	.019	.142	.069	.019	.138	.068	.019	.134	.066	.019	.130	.065	.019		

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	.174	.157	.141	.149	.135	.122	.102	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.162	.132	.107	.139	.114	.093	.095	.079	.065	.055	.046	.038	.018	.015	.012	
3.0	.152	.114	.083	.131	.098	.072	.090	.068	.051	.052	.040	.030	.017	.013	.010	
4.0	.144	.100	.066	.124	.086	.057	.085	.060	.040	.049	.035	.024	.016	.011	.008	
5.0	.137	.089	.054	.117	.077	.047	.081	.054	.033	.047	.032	.020	.015	.010	.006	
6.0	.130	.080	.044	.112	.069	.039	.077	.049	.027	.045	.029	.016	.014	.009	.005	
7.0	.124	.073	.037	.107	.063	.033	.074	.044	.023	.043	.026	.014	.014	.009	.005	
8.0	.118	.067	.032	.102	.058	.028	.070	.041	.020	.041	.024	.012	.013	.008	.004	
9.0	.113	.062	.028	.097	.054	.024	.067	.038	.017	.039	.022	.010	.013	.007	.003	
10.0	.108	.058	.024	.093	.050	.021	.065	.035	.015	.038	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-01-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.633m [K=1.0000]  
Remarks:

## UGR(Unified Glare Rating) Table

Test:U:220.0V I:0.4901A P:101.1W PF:0.9858 Freq:49.99Hz Lamp Flux:11787.7x1 lm										
NAME: AOK-oH					TYPE:LED			WEIGHT:2.9KG		
SPEC.:AOK-100WoH-3030-120D-PC					DIM.: $\phi$ 0.248*0.138M			SERIAL No.:1		
MFR.: AOK					SUR.: $\phi$ 0.16M			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	13.9	15.2	14.2	15.4	15.5	13.7	15.0	14.0	15.1	15.3
3H	13.9	15.0	14.2	15.2	15.4	13.7	14.8	14.0	15.0	15.3
4H	13.8	14.9	14.1	15.1	15.4	13.6	14.7	13.9	14.9	15.2
6H	13.8	14.7	14.1	15.0	15.3	13.6	14.6	13.9	14.8	15.1
8H	13.7	14.7	14.0	14.9	15.2	13.5	14.5	13.9	14.8	15.0
12H	13.7	14.6	14.0	14.9	15.2	13.5	14.4	13.8	14.7	15.0
4H 2H	13.9	15.0	14.2	15.2	15.5	13.7	14.8	14.0	15.0	15.3
3H	13.9	14.8	14.2	15.1	15.4	13.7	14.6	14.1	14.9	15.2
4H	13.9	14.7	14.2	15.0	15.3	13.7	14.5	14.0	14.8	15.1
6H	13.8	14.5	14.2	14.9	15.2	13.6	14.4	14.0	14.7	15.1
8H	13.8	14.4	14.2	14.8	15.2	13.6	14.3	14.0	14.6	15.0
12H	13.8	14.4	14.2	14.7	15.1	13.6	14.2	14.0	14.6	15.0
8H 4H	13.7	14.4	14.1	14.8	15.1	13.6	14.2	14.0	14.6	15.0
6H	13.7	14.3	14.1	14.7	15.1	13.5	14.1	14.0	14.5	14.9
8H	13.7	14.2	14.2	14.6	15.0	13.5	14.0	14.0	14.4	14.9
12H	13.7	14.1	14.2	14.6	15.0	13.5	14.0	14.0	14.4	14.9
12H 4H	13.7	14.3	14.1	14.7	15.1	13.5	14.1	14.0	14.5	14.9
6H	13.7	14.2	14.1	14.6	15.0	13.5	14.0	14.0	14.4	14.9
8H	13.7	14.1	14.1	14.5	15.0	13.5	13.9	14.0	14.4	14.8
Variations with the observer position at spacings:										
S = 1.0H	+ 1.4 / - 2.3					+ 1.3 / - 2.2				
1.5H	+ 2.3 / - 1.8					+ 2.2 / - 1.7				
2.0H	+ 2.4 / - 2.3					+ 2.3 / - 2.5				

CIE Pub.117, 11788 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 8.6$ )

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-01-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.633m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:220.0V I:0.4901A P:101.1W PF:0.9858 Freq:49.99Hz Lamp Flux:11787.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-120D-PC	DIM.: $\phi$ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: $\phi$ 0.16M	Shielding Angle:

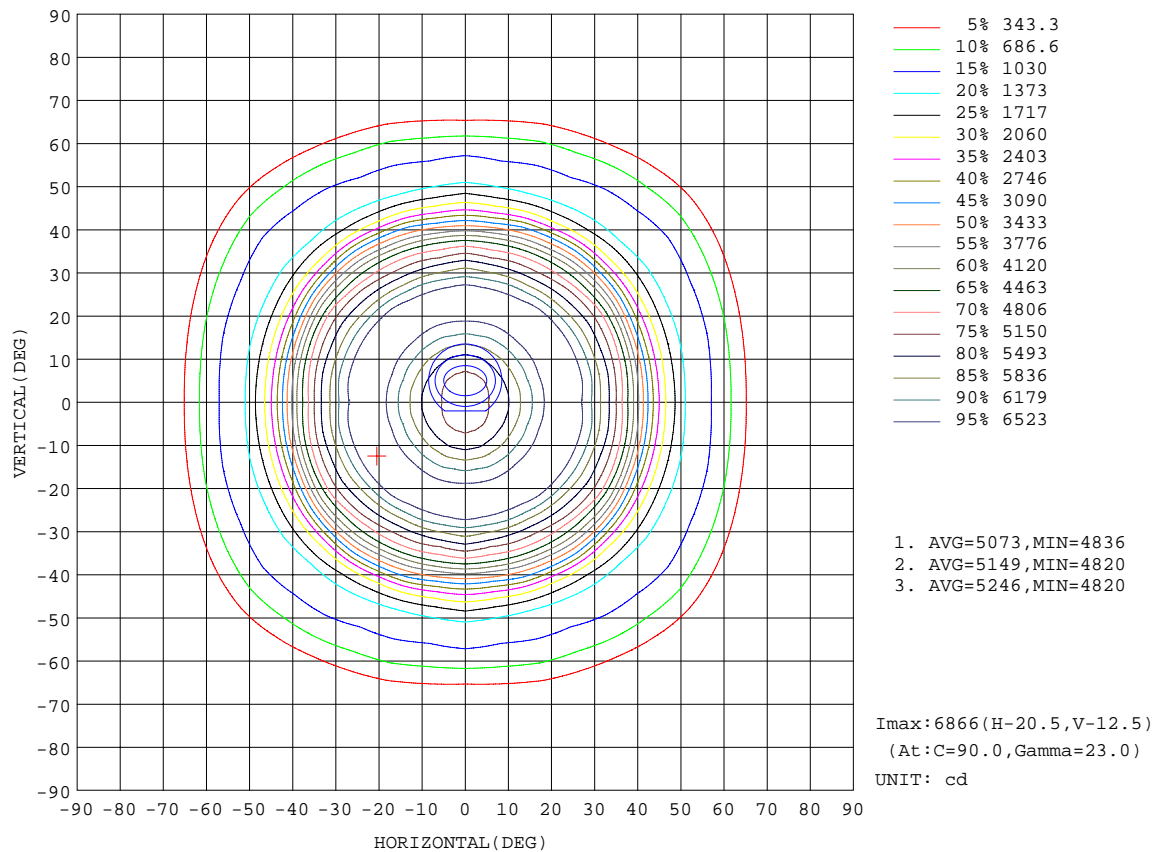
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	73	64	59	73	64	59	72	64	59	54
0.80	83	74	69	82	74	69	80	73	68	63
1.00	90	82	77	89	81	77	87	82	76	71
1.25	95	88	83	94	88	83	92	86	82	77
1.50	99	93	88	98	92	87	95	90	86	81
2.00	104	98	94	102	97	93	99	95	92	85
2.50	106	101	97	105	100	96	101	97	94	88
3.00	109	104	100	107	102	99	103	100	97	90
4.00	111	107	104	109	106	103	105	102	100	92
5.00	113	109	107	110	108	105	106	104	102	94
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-01-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.633m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

Test:U:220.0V I:0.4901A P:101.1W PF:0.9858 Freq:49.99Hz Lamp Flux:11787.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-120D-PC	DIM.: $\phi 0.248 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16\text{M}$	Shielding Angle:



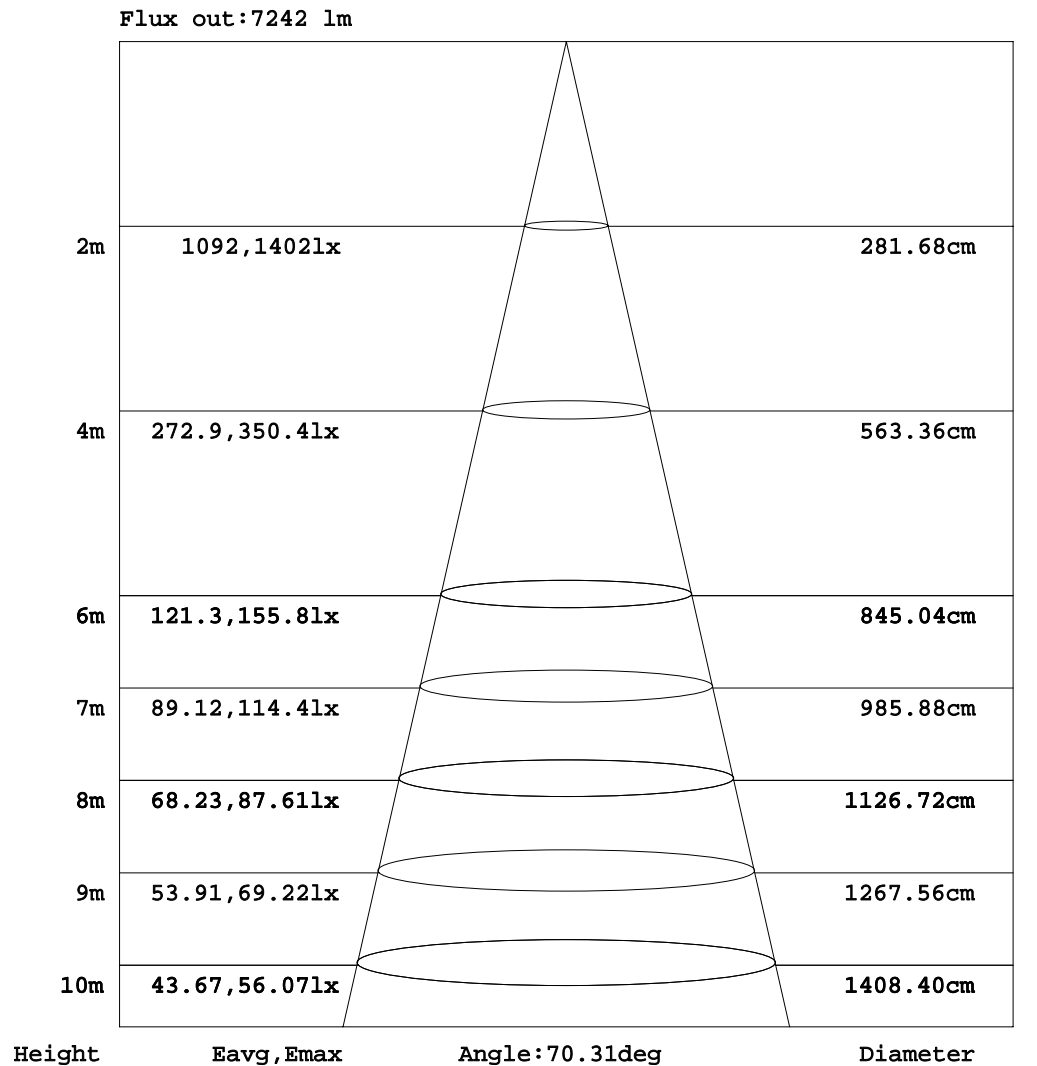
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-01-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.633m [K=1.0000]  
 Remarks:



### AAI Figure

Test:U:220.0V I:0.4901A P:101.1W PF:0.9858 Freq:49.99Hz Lamp Flux:11787.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-120D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:



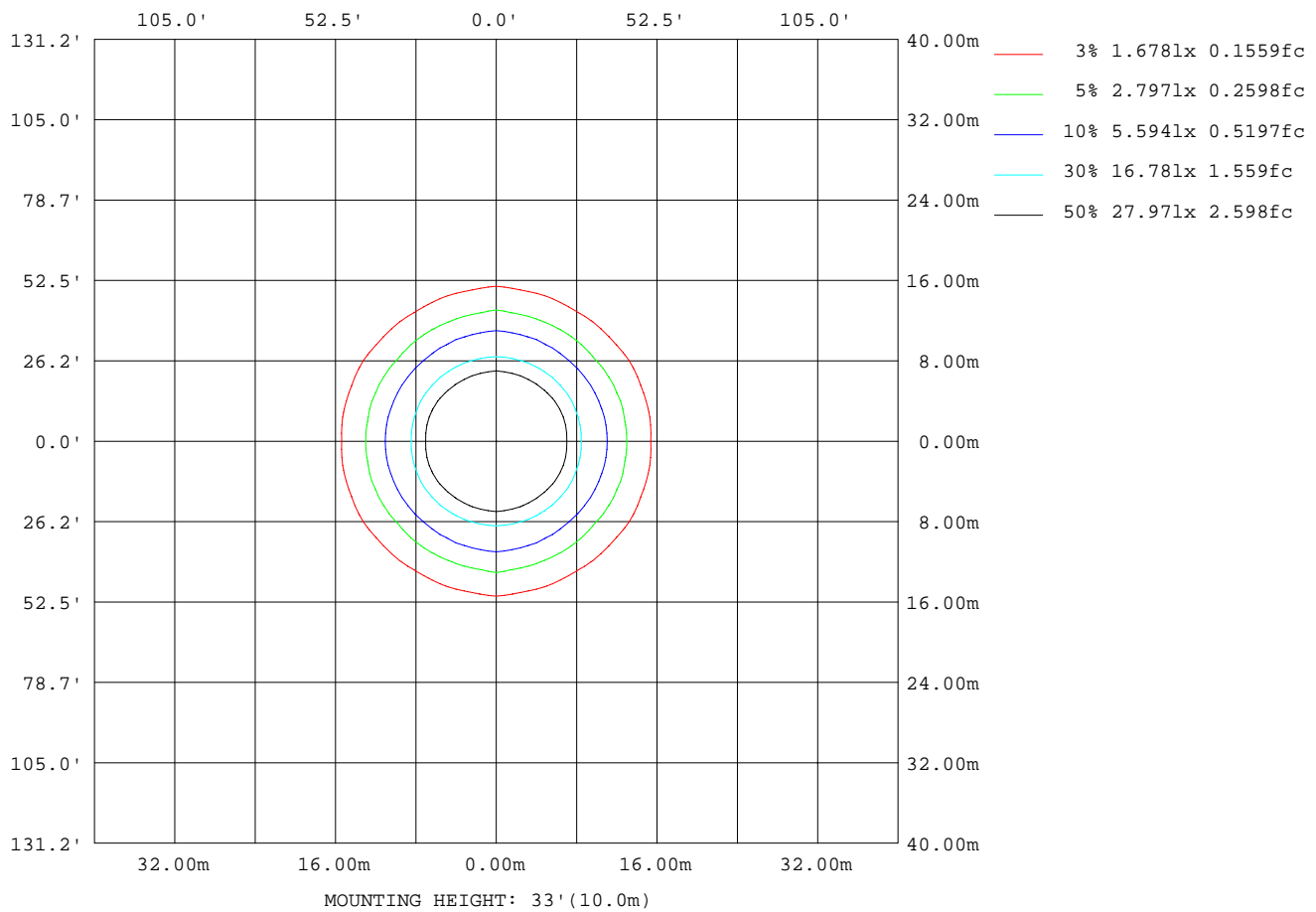
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-01-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.633m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

Test:U:220.0V I:0.4901A P:101.1W PF:0.9858 Freq:49.99Hz Lamp Flux:11787.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-120D-PC	DIM.: $\Phi$ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: $\Phi$ 0.16M	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-01-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.633m [K=1.0000]  
Remarks:

## LED Avg.L Report

Test:U:220.0V I:0.4901A P:101.1W PF:0.9858 Freq:49.99Hz Lamp Flux:11787.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-120D-PC	DIM.: $\phi$ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: $\phi$ 0.16M	Shielding Angle:

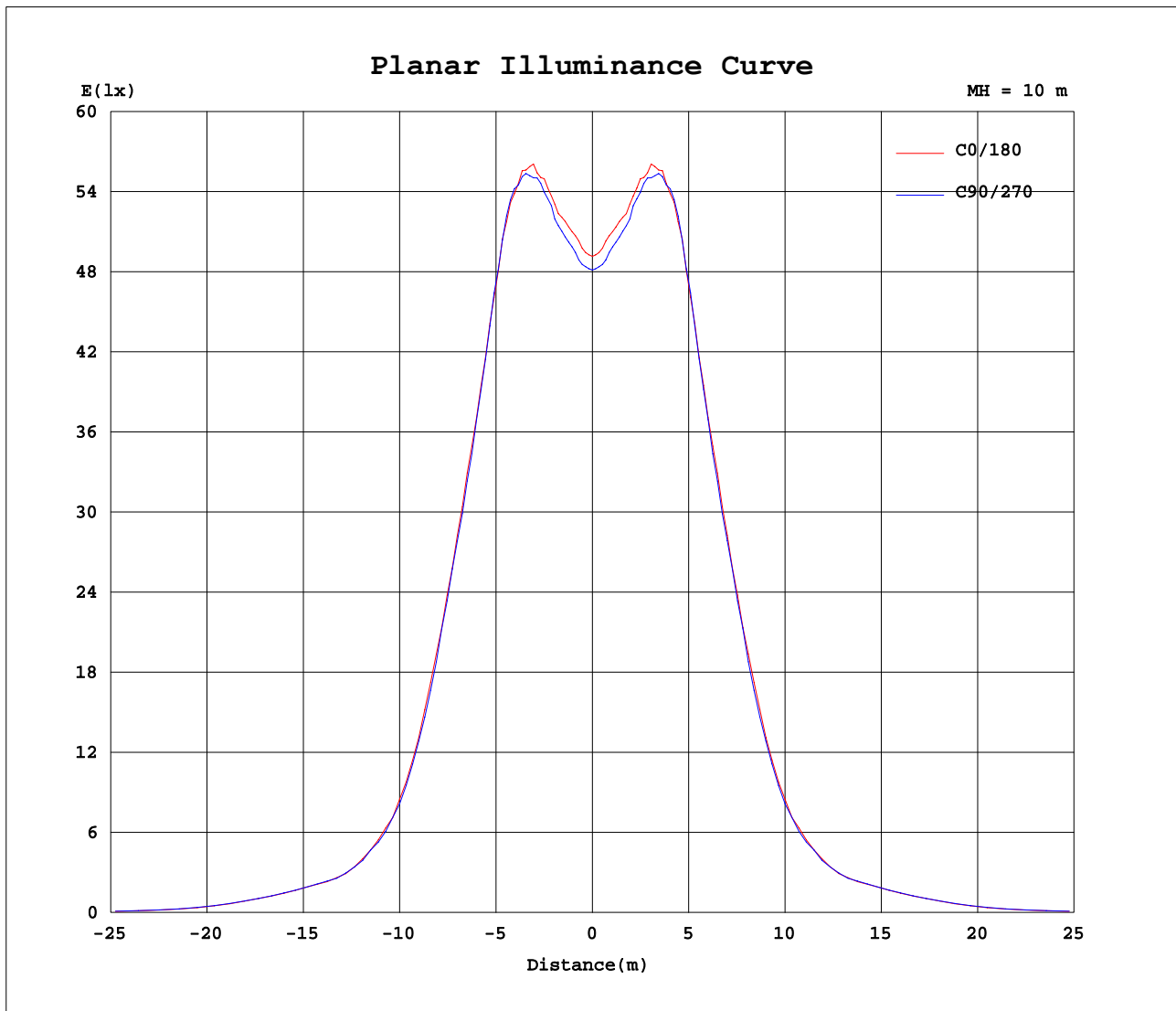
AvgL	cd/m2
L_0~180 (65) av	8236
L_0~180 (75) av	3019
L_0~180 (85) av	3648
L_90~270 (65) av	8805
L_90~270 (75) av	3065
L_90~270 (85) av	3799
L_45 (65) av	8302
L_45 (75) av	2922
L_45 (85) av	3652

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-01-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.633m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2018-01-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.633m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.4901A P:101.1W PF:0.9858 Freq:49.99Hz Lamp Flux:11787.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-120D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	4853	4853	4853	4853	4853	4853	4853	4853	4853	4853	4853	4853	4853	4853	4853	4853	4853	4853	4853
5	5063	5070	5074	5059	5050	5039	5044	5040	5051	5042	5051	5040	5044	5039	5050	5059	5074	5070	5063
10	5411	5420	5448	5458	5469	5460	5457	5439	5439	5430	5439	5439	5457	5460	5469	5458	5448	5420	5411
15	6032	6060	6112	6111	6125	6133	6132	6120	6146	6110	6146	6120	6132	6133	6125	6111	6112	6060	6032
20	6610	6631	6655	6665	6663	6656	6652	6675	6667	6697	6667	6675	6652	6656	6663	6665	6655	6631	6610
25	6692	6728	6702	6744	6731	6745	6714	6740	6753	6822	6753	6740	6714	6745	6731	6744	6702	6728	6692
30	6002	6104	6094	6075	6031	6029	5946	5989	6014	6082	6014	5989	5946	6029	6031	6075	6094	6104	6002
35	5079	5173	5218	5235	5155	5091	5002	5045	5061	5110	5061	5045	5002	5091	5155	5235	5218	5173	5079
40	3786	3850	3867	3911	3851	3841	3758	3778	3668	3733	3668	3778	3758	3841	3851	3911	3867	3850	3786
45	2370	2350	2323	2295	2235	2241	2197	2250	2268	2323	2268	2250	2197	2241	2235	2295	2323	2350	2370
50	1500	1514	1438	1434	1359	1384	1376	1379	1420	1488	1420	1379	1376	1384	1359	1434	1438	1514	1500
55	1108	1107	1124	1127	1096	1095	1075	1094	1080	1143	1080	1094	1075	1095	1096	1127	1124	1107	1108
60	832	855	845	853	817	814	794	844	824	857	824	844	794	814	817	853	845	855	832
65	348	369	378	384	357	351	372	411	392	372	392	411	372	351	357	384	378	369	348
70	131	128	136	131	132	135	140	137	134	133	134	137	140	135	132	131	136	128	131
75	78.1	78.2	77.8	77.5	75.7	76.1	78.1	80.3	78.7	79.3	78.7	80.3	78.1	76.1	75.7	77.5	77.8	78.2	78.1
80	50.2	50.7	50.1	50.6	49.1	49.6	50.4	51.5	50.7	51.4	50.7	51.5	50.4	49.6	49.1	50.6	50.1	50.7	50.2
85	31.8	32.1	31.4	31.8	31.5	32.3	32.4	32.9	32.8	33.1	32.8	32.9	32.4	32.3	31.5	31.8	31.4	32.1	31.8
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: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-01-03

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.633m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.4901A P:101.1W PF:0.9858 Freq:49.99Hz Lamp Flux:11787.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-120D-PC	DIM.: $\phi$ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: $\phi$ 0.16M	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	4853	4853	4853	4853	4853	4853	4853	4853	4853	4853	4853	4853	4853	4853	4853	4853	4853		
5	5070	5074	5059	5050	5039	5044	5040	5051	5042	5051	5040	5044	5039	5050	5059	5074	5070		
10	5420	5448	5458	5469	5460	5457	5439	5439	5430	5439	5439	5457	5460	5469	5458	5448	5420		
15	6060	6112	6111	6125	6133	6132	6120	6146	6110	6146	6120	6132	6133	6125	6111	6112	6060		
20	6631	6655	6665	6663	6656	6652	6675	6667	6697	6667	6675	6652	6656	6663	6665	6655	6631		
25	6728	6702	6744	6731	6745	6714	6740	6753	6822	6753	6740	6714	6745	6731	6744	6702	6728		
30	6104	6094	6075	6031	6029	5946	5989	6014	6082	6014	5989	5946	6029	6031	6075	6094	6104		
35	5173	5218	5235	5155	5091	5002	5045	5061	5110	5061	5045	5002	5091	5155	5235	5218	5173		
40	3850	3867	3911	3851	3841	3758	3778	3668	3733	3668	3778	3758	3841	3851	3911	3867	3850		
45	2350	2323	2295	2235	2241	2197	2250	2268	2323	2268	2250	2197	2241	2235	2295	2323	2350		
50	1514	1438	1434	1359	1384	1376	1379	1420	1488	1420	1379	1376	1384	1359	1434	1438	1514		
55	1107	1124	1127	1096	1095	1075	1094	1080	1143	1080	1094	1075	1095	1096	1127	1124	1107		
60	855	845	853	817	814	794	844	824	857	824	844	794	814	817	853	845	855		
65	369	378	384	357	351	372	411	392	372	392	411	372	351	357	384	378	369		
70	128	136	131	132	135	140	137	134	133	134	137	140	135	132	131	136	128		
75	78.2	77.8	77.5	75.7	76.1	78.1	80.3	78.7	79.3	78.7	80.3	78.1	76.1	75.7	77.5	77.8	78.2		
80	50.7	50.1	50.6	49.1	49.6	50.4	51.5	50.7	51.4	50.7	51.5	50.4	49.6	49.1	50.6	50.1	50.7		
85	32.1	31.4	31.8	31.5	32.3	32.4	32.9	32.8	33.1	32.8	32.9	32.4	32.3	31.5	31.8	31.4	32.1		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-01-03

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.633m [K=1.0000]  
Remarks: