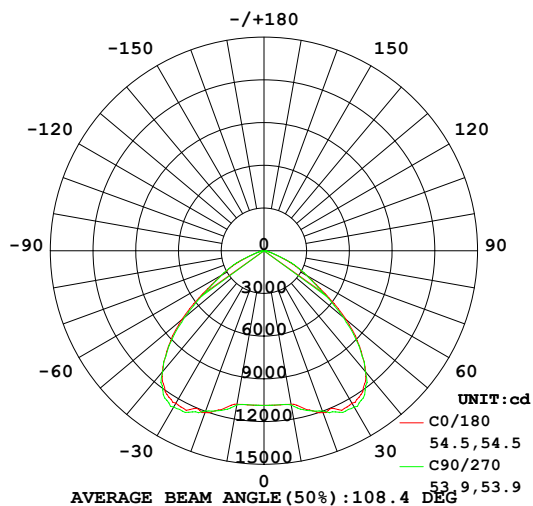


## LUMINAIRE PHOTOMETRIC TEST REPORT

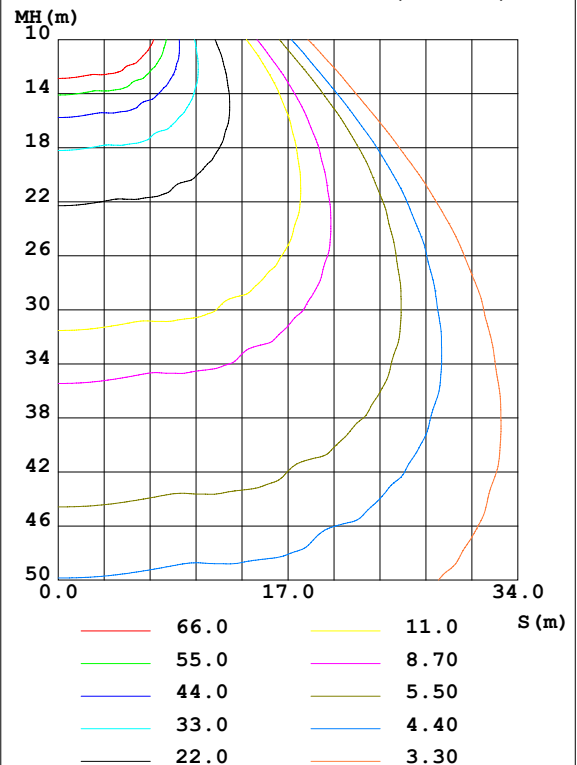
Test:U:220.0V I:0.9673A P:200.1W PF:0.9745 Freq:49.99Hz Lamp Flux:32576.6x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-5050-120D-PC	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 162.80 lm/W			
MODEL	5050	I <sub>max</sub> (cd)	12932	S/MH (C0/180)	1.53
NOMINAL POWER (W)	200	LOR (%)	100.0	S/MH (C90/270)	1.52
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	32577	$\eta$ UP,DN (C0-180)	0.0,50.0
NOMINAL FLUX (lm)	32576.6	CIE CLASS	DIRECT	$\eta$ UP,DN (C180-360)	0.0,50.0
LAMPS INSIDE	1	$\eta$ up (%)	0.0	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	220	$\eta$ down (%)	100.0	CIBSE SHR MAX	1.55

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:2018-01-08

$\gamma$  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	1095	1095	1100	1095	1095	1095	1100	1095	0- 10	1040	1040	3.19,3.19
20	1209	1218	1197	1218	1209	1218	1197	1218	10- 20	3280	4321	13.3,13.3
30	1236	1266	1267	1266	1236	1266	1267	1266	20- 30	5769	10090	31,31
40	1111	1122	1107	1122	1111	1122	1107	1122	30- 40	7600	17690	54.3,54.3
50	756.5	774.8	731.9	774.8	756.5	774.8	731.9	774.8	40- 50	7303	24993	76.7,76.7
60	342.7	335.3	347.7	335.3	342.7	335.3	347.7	335.3	50- 60	4698	29691	91.1,91.1
70	98.18	105.3	105.4	105.3	98.18	105.3	105.4	105.3	60- 70	2214	31904	97.9,97.9
80	21.07	22.06	22.39	22.06	21.07	22.06	22.39	22.06	70- 80	550.4	32455	99.6,99.6
90	0	0	0	0	0	0	0	0	80- 90	121.8	32577	100,100
100	0	0	0	0	0	0	0	0	90-100	0	32577	100,100
110	0	0	0	0	0	0	0	0	100-110	0	32577	100,100
120	0	0	0	0	0	0	0	0	110-120	0	32577	100,100
130	0	0	0	0	0	0	0	0	120-130	0	32577	100,100
140	0	0	0	0	0	0	0	0	130-140	0	32577	100,100
150	0	0	0	0	0	0	0	0	140-150	0	32577	100,100
160	0	0	0	0	0	0	0	0	150-160	0	32577	100,100
170	0	0	0	0	0	0	0	0	160-170	0	32577	100,100
180	0	0	0	0	0	0	0	0	170-180	0	32577	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 21523 lm

%lum = 66.1%

%lamp = 66.1%

Conical surface Flux(120deg): 29691 lm

%lum = 91.1%

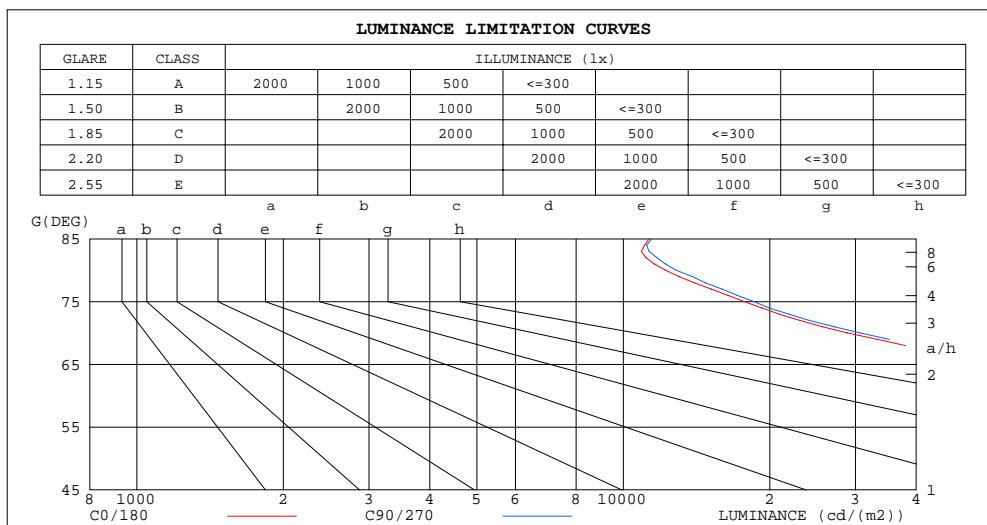
%lamp = 91.1%

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-01-08

$\gamma$  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:0.9673A P:200.1W PF:0.9745 Freq:49.99Hz Lamp Flux:32576.6x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200Woh-5050-120D-PC	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:



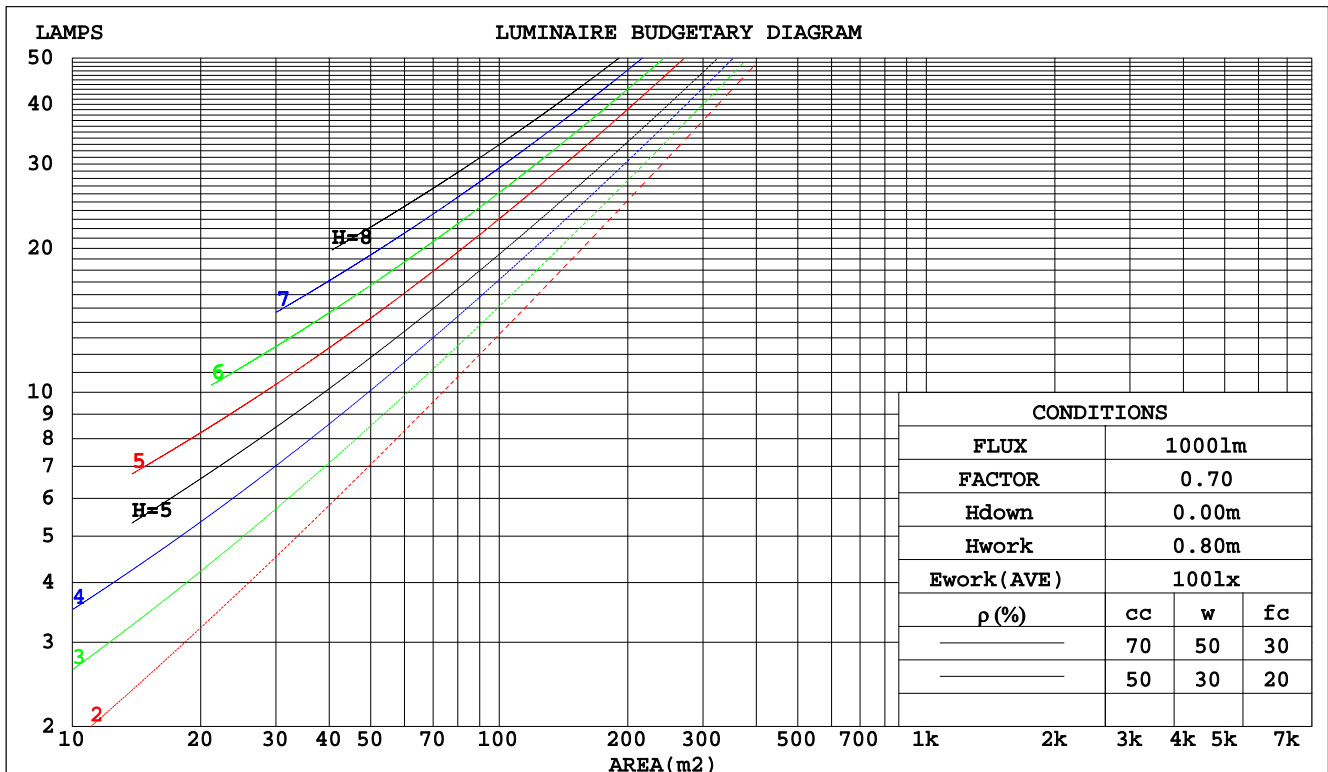
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-01-08

$\gamma$  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:0.9673A P:200.1W PF:0.9745 Freq:49.99Hz Lamp Flux:32576.6x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-5050-120D-PC	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	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	1.03	1.00	1.05	1.01	.99	1.00	.98	.95	.97	.95	.93	.93	.91	.90	.88
2.0	.95	.89	.84	.93	.88	.83	.90	.85	.81	.87	.83	.80	.84	.81	.78	.76
3.0	.85	.77	.72	.83	.76	.71	.80	.75	.70	.78	.73	.69	.75	.71	.68	.66
4.0	.76	.68	.62	.74	.67	.61	.72	.66	.60	.70	.64	.60	.68	.63	.59	.57
5.0	.68	.60	.54	.67	.59	.53	.65	.58	.53	.63	.57	.52	.61	.56	.52	.50
6.0	.61	.53	.47	.60	.53	.47	.59	.52	.46	.57	.51	.46	.56	.50	.46	.44
7.0	.56	.47	.42	.55	.47	.41	.53	.46	.41	.52	.46	.41	.51	.45	.41	.39
8.0	.51	.43	.37	.50	.42	.37	.49	.42	.37	.48	.41	.37	.46	.41	.36	.35
9.0	.47	.39	.33	.46	.38	.33	.45	.38	.33	.44	.37	.33	.43	.37	.33	.31
10.0	.43	.35	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.40	.34	.30	.28



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-01-08

$\gamma$  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:0.9673A P:200.1W PF:0.9745 Freq:49.99Hz Lamp Flux:32576.6x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-5050-120D-PC	DIM.: $\phi$ 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.: $\phi$ 0.29M	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	.253	.144	.046	.246	.140	.045	.233	.134	.043	.221	.128	.041	.210	.122	.039		
2.0	.248	.136	.042	.242	.133	.041	.230	.128	.040	.220	.123	.039	.210	.119	.037		
3.0	.236	.126	.038	.231	.124	.037	.221	.120	.036	.212	.116	.036	.203	.112	.035		
4.0	.223	.116	.034	.218	.114	.034	.210	.111	.033	.201	.108	.033	.194	.105	.032		
5.0	.210	.107	.031	.206	.106	.031	.198	.103	.030	.191	.101	.030	.184	.098	.030		
6.0	.198	.099	.028	.194	.098	.028	.187	.096	.028	.181	.094	.028	.175	.092	.027		
7.0	.186	.092	.026	.183	.091	.026	.177	.089	.026	.171	.088	.026	.165	.086	.025		
8.0	.176	.086	.024	.173	.085	.024	.167	.084	.024	.162	.082	.024	.157	.081	.023		
9.0	.166	.080	.022	.163	.080	.022	.158	.078	.022	.154	.077	.022	.149	.076	.022		
10.0	.157	.075	.021	.155	.075	.021	.150	.074	.021	.146	.072	.021	.142	.071	.020		

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	.092	.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	.135	.098	.069	.093	.068	.048	.054	.040	.028	.017	.013	.009	
4.0	.150	.100	.062	.129	.087	.054	.089	.060	.038	.051	.035	.023	.017	.012	.007	
5.0	.143	.090	.050	.123	.078	.044	.085	.054	.031	.049	.032	.018	.016	.010	.006	
6.0	.137	.081	.041	.118	.070	.036	.081	.049	.026	.047	.029	.015	.015	.009	.005	
7.0	.131	.074	.035	.112	.064	.030	.078	.045	.022	.045	.027	.013	.015	.009	.004	
8.0	.125	.069	.030	.108	.060	.026	.074	.042	.019	.043	.025	.011	.014	.008	.004	
9.0	.119	.064	.026	.103	.055	.023	.071	.039	.016	.042	.023	.010	.013	.008	.003	
10.0	.114	.059	.023	.098	.052	.020	.068	.036	.014	.040	.021	.009	.013	.007	.003	

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-01-08

$\gamma$  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:0.9673A P:200.1W PF:0.9745 Freq:49.99Hz Lamp Flux:32576.6x1 lm										
NAME: AOK-oH					TYPE:LED			WEIGHT:6.0KG		
SPEC.:AOK-200WoH-5050-120D-PC					DIM.: $\phi 0.4 \times 0.141M$			SERIAL No.:1		
MFR.: AOK					SUR.: $\phi 0.29M$			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	16.4	17.8	16.6	18.0	18.2	16.2	17.6	16.4	17.8	18.0
3H	16.6	17.9	16.9	18.1	18.3	16.5	17.7	16.7	18.0	18.2
4H	16.6	17.8	16.9	18.0	18.3	16.4	17.6	16.7	17.9	18.1
6H	16.5	17.6	16.8	17.9	18.2	16.4	17.5	16.7	17.8	18.0
8H	16.5	17.6	16.8	17.8	18.1	16.3	17.4	16.7	17.7	18.0
12H	16.4	17.5	16.8	17.8	18.1	16.3	17.3	16.6	17.6	17.9
4H 2H	16.5	17.7	16.8	18.0	18.2	16.4	17.6	16.7	17.8	18.0
3H	16.8	17.8	17.2	18.1	18.4	16.7	17.7	17.0	18.0	18.3
4H	16.8	17.7	17.2	18.1	18.4	16.7	17.6	17.1	17.9	18.3
6H	16.8	17.6	17.2	17.9	18.3	16.6	17.5	17.0	17.8	18.2
8H	16.7	17.5	17.2	17.9	18.3	16.6	17.4	17.0	17.7	18.1
12H	16.7	17.4	17.1	17.8	18.2	16.6	17.3	17.0	17.7	18.1
8H 4H	16.7	17.5	17.1	17.9	18.2	16.6	17.4	17.0	17.7	18.1
6H	16.7	17.3	17.2	17.7	18.2	16.6	17.2	17.0	17.6	18.0
8H	16.7	17.3	17.2	17.7	18.1	16.6	17.1	17.0	17.6	18.0
12H	16.7	17.2	17.2	17.6	18.1	16.6	17.0	17.0	17.5	18.0
12H 4H	16.7	17.4	17.1	17.8	18.2	16.6	17.3	17.0	17.6	18.0
6H	16.7	17.2	17.1	17.7	18.1	16.6	17.1	17.0	17.5	18.0
8H	16.7	17.1	17.2	17.6	18.1	16.6	17.0	17.0	17.5	17.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.9 / - 1.2					+ 0.9 / - 1.2				
1.5H	+ 0.4 / - 0.5					+ 0.4 / - 0.6				
2.0H	+ 1.7 / - 1.7					+ 1.7 / - 1.6				

CIE Pub.117, 32577 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 12.1$ )

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-01-08

$\gamma$  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:0.9673A P:200.1W PF:0.9745 Freq:49.99Hz Lamp Flux:32576.6x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-5050-120D-PC	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

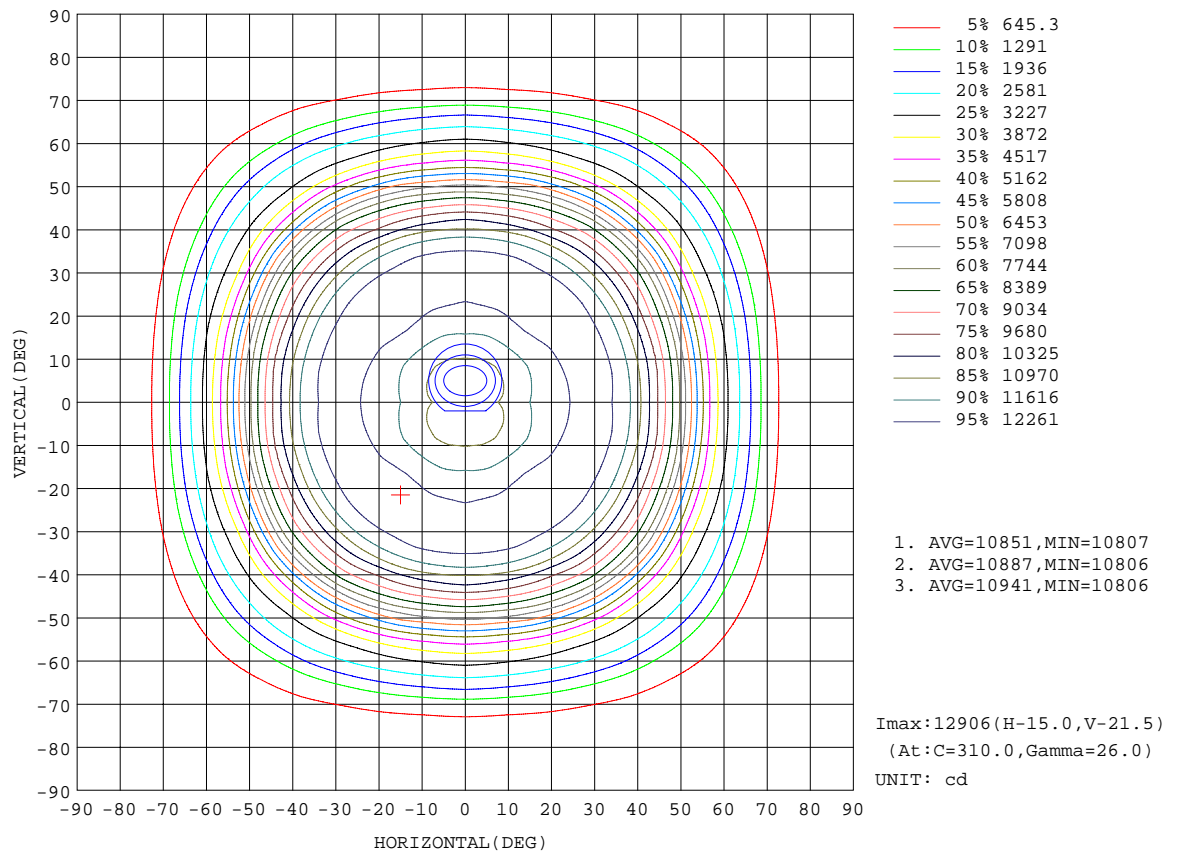
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT)    k(RI) x RCR = 5									
k = 0.60	62	52	45	62	51	45	61	51	45	39
0.80	73	63	56	72	62	56	71	62	56	49
1.00	82	72	66	81	72	66	79	73	65	59
1.25	89	80	74	88	79	74	85	78	73	66
1.50	94	85	80	92	85	79	89	83	78	71
2.00	100	93	87	98	92	87	95	89	85	78
2.50	103	97	92	101	95	91	97	93	89	81
3.00	106	100	96	104	99	95	100	96	92	85
4.00	109	104	100	107	103	99	103	99	96	88
5.00	111	107	103	108	105	102	104	101	99	90
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-01-08

$\gamma$  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:0.9673A P:200.1W PF:0.9745 Freq:49.99Hz Lamp Flux:32576.6x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-5050-120D-PC	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-01-08

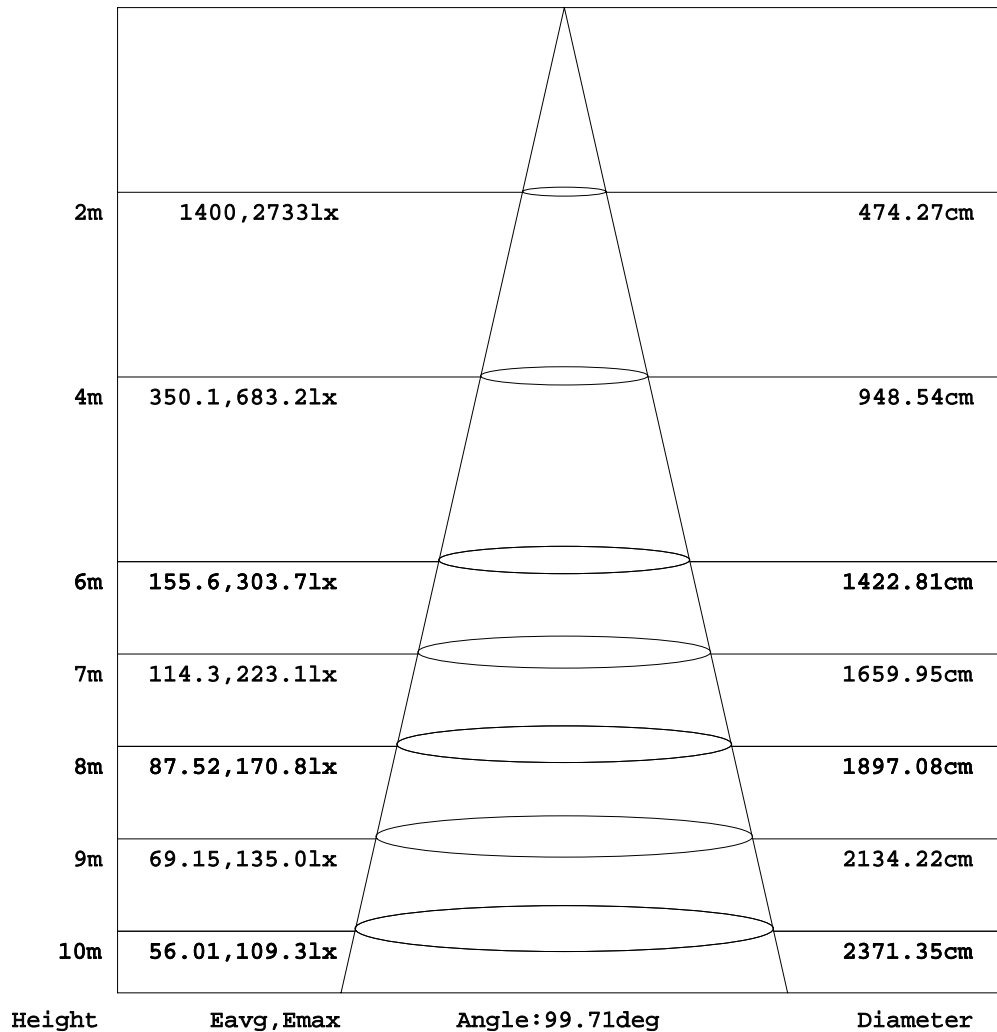
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.633m [K=1.0000]  
Remarks:



## AAI Figure

Test:U:220.0V I:0.9673A P:200.1W PF:0.9745 Freq:49.99Hz Lamp Flux:32576.6x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-5050-120D-PC	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

Flux out:24993 lm



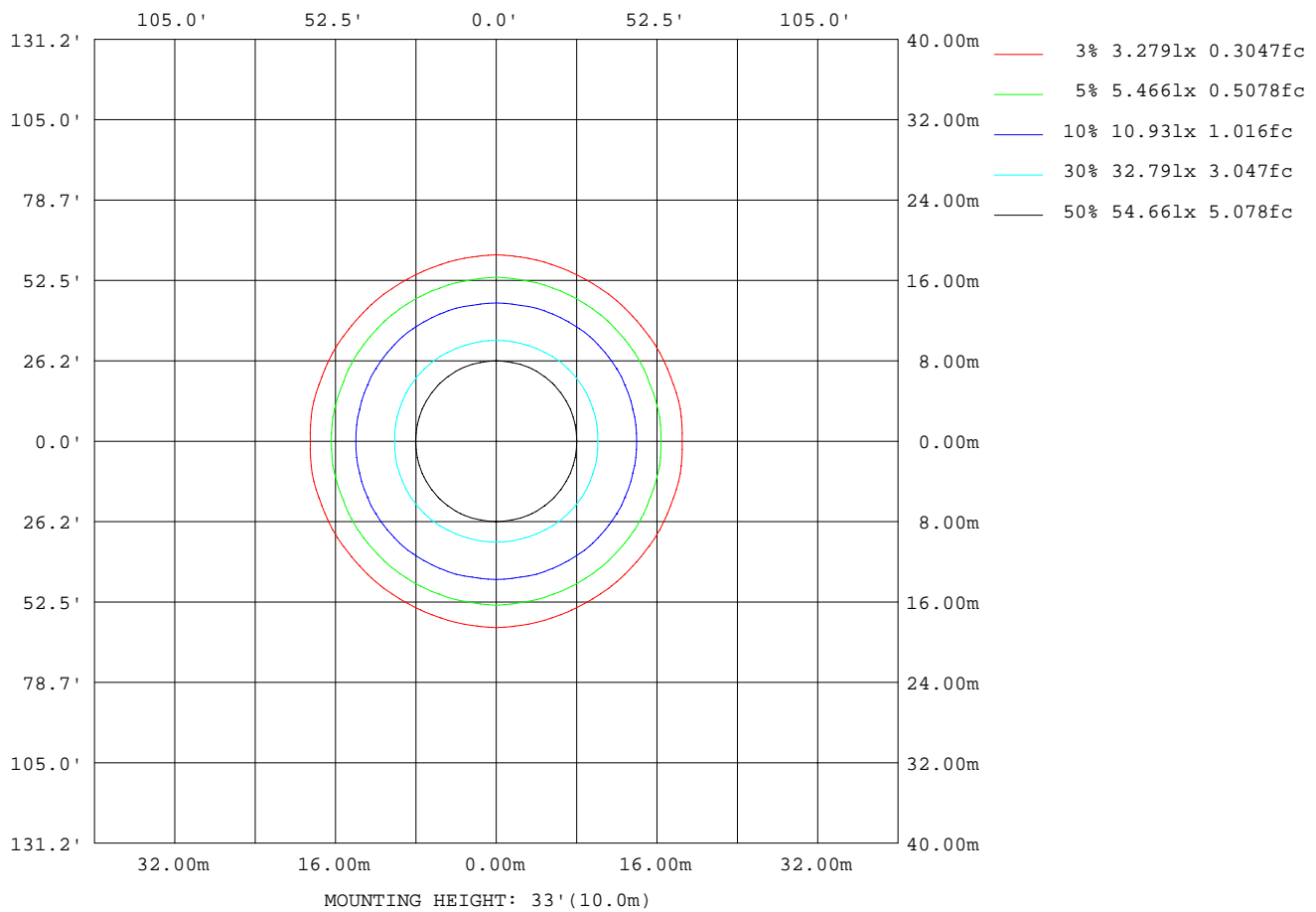
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2018-01-08

$\gamma$  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:0.9673A P:200.1W PF:0.9745 Freq:49.99Hz Lamp Flux:32576.6x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200Woh-5050-120D-PC	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-01-08

$\gamma$  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:0.9673A P:200.1W PF:0.9745 Freq:49.99Hz Lamp Flux:32576.6x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-5050-120D-PC	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

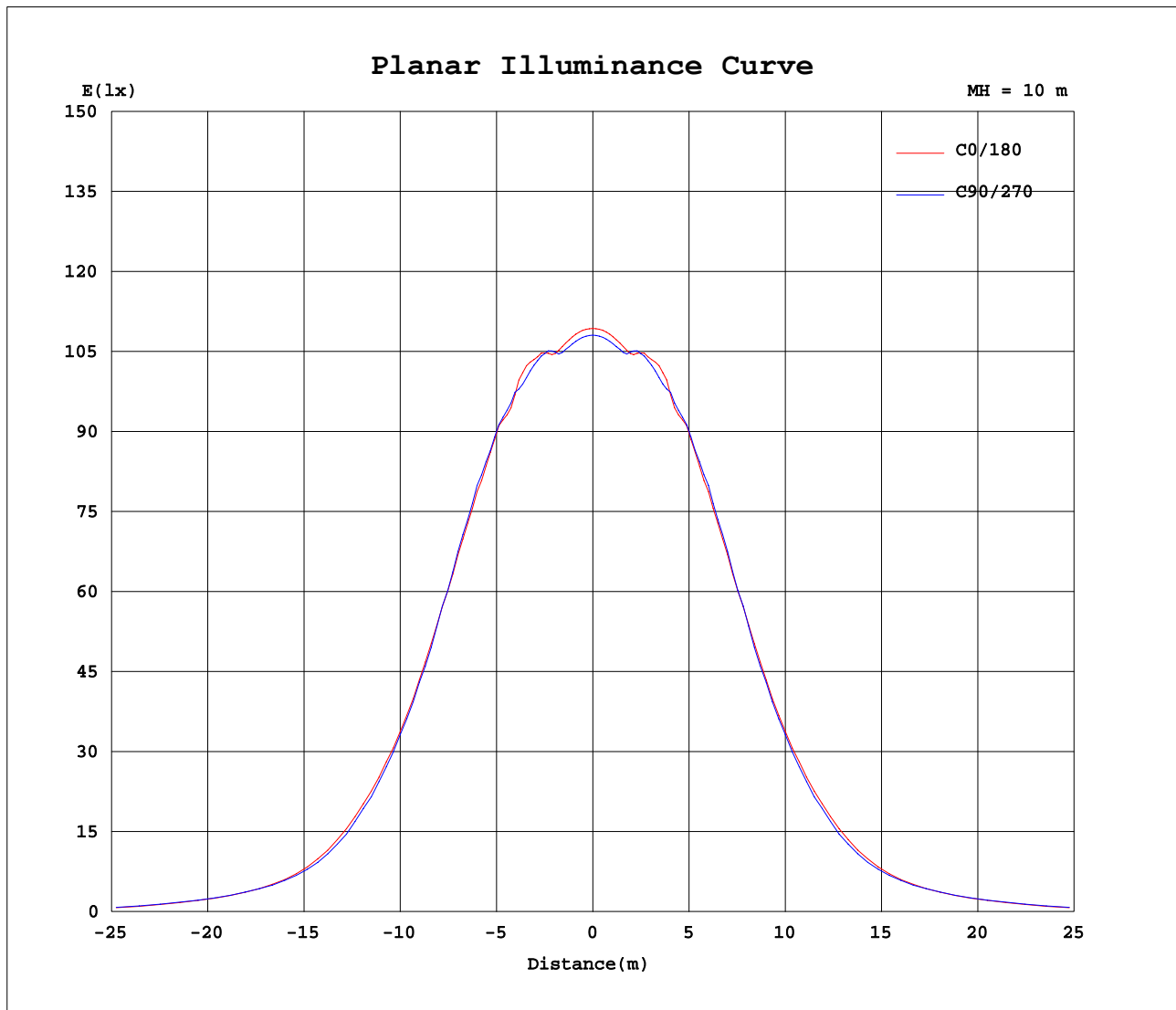
AvgL	cd/m2
L_0~180 (65) av	53639
L_0~180 (75) av	17605
L_0~180 (85) av	11226
L_90~270 (65) av	56248
L_90~270 (75) av	18632
L_90~270 (85) av	11495
L_45 (65) av	55466
L_45 (75) av	18518
L_45 (85) av	11317

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-01-08

$\gamma$  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: 2018-01-08

$\gamma$  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:0.9673A P:200.1W PF:0.9745 Freq:49.99Hz Lamp Flux:32576.6x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-5050-120D-PC	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

Table--1

UNIT:  $\times 10cd$ 

C (DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	1086	1086	1086	1086	1086	1086	1086	1086	1086	1086	1086	1086	1086	1086	1086	1086	1086	1086	1086
5	1088	1088	1088	1088	1088	1087	1087	1087	1087	1087	1087	1087	1087	1087	1088	1088	1088	1088	1088
10	1095	1095	1095	1095	1095	1095	1096	1096	1099	1100	1099	1096	1096	1095	1095	1095	1095	1095	1095
15	1154	1149	1145	1141	1145	1148	1148	1153	1159	1161	1159	1153	1148	1148	1145	1141	1145	1149	1154
20	1209	1198	1199	1203	1215	1220	1219	1205	1200	1197	1200	1205	1219	1220	1215	1203	1199	1198	1209
25	1230	1238	1248	1258	1273	1281	1282	1274	1266	1251	1266	1274	1282	1281	1273	1258	1248	1238	1230
30	1236	1245	1246	1247	1263	1269	1272	1269	1272	1267	1272	1269	1272	1269	1263	1247	1246	1245	1236
35	1209	1217	1218	1221	1226	1227	1227	1235	1236	1234	1236	1235	1227	1227	1226	1221	1218	1217	1209
40	1111	1109	1112	1118	1118	1126	1125	1118	1111	1107	1111	1118	1125	1126	1118	1118	1112	1109	1111
45	949	967	959	965	965	963	944	941	935	944	935	941	944	963	965	965	959	967	949
50	757	770	773	783	778	771	746	742	727	732	727	742	746	771	778	783	773	770	757
55	521	523	526	530	524	529	520	504	496	492	496	504	520	529	524	530	526	523	521
60	343	347	338	339	333	338	332	336	338	348	338	336	332	338	333	339	338	347	343
65	227	232	230	233	233	236	232	231	232	238	232	231	232	236	233	233	230	232	227
70	98.2	105	105	106	105	105	105	104	105	105	105	104	105	105	105	106	105	105	98.2
75	45.6	47.7	47.8	48.6	47.6	48.2	46.6	47.4	46.5	48.2	46.5	47.4	46.6	48.2	47.6	48.6	47.8	47.7	45.6
80	21.1	22.0	22.0	22.2	21.9	22.2	21.5	21.9	21.8	22.4	21.8	21.9	21.5	22.2	21.9	22.2	22.0	22.0	21.1
85	9.78	10.1	9.95	10.0	9.80	9.93	9.73	9.83	9.80	10.02	9.80	9.83	9.73	9.93	9.80	10.0	9.95	10.1	9.78
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:2018-01-08

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:0.9673A P:200.1W PF:0.9745 Freq:49.99Hz Lamp Flux:32576.6x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-5050-120D-PC	DIM.: $\phi$ 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.: $\phi$ 0.29M	Shielding Angle:

Table--2

UNIT:  $\times 10\text{cd}$ 

C (DEG) $\gamma$ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	1086	1086	1086	1086	1086	1086	1086	1086	1086	1086	1086	1086	1086	1086	1086	1086	1086		
5	1088	1088	1088	1088	1087	1087	1087	1087	1087	1087	1087	1087	1087	1088	1088	1088	1088		
10	1095	1095	1095	1095	1095	1096	1096	1099	1100	1099	1096	1096	1095	1095	1095	1095	1095		
15	1149	1145	1141	1145	1148	1148	1153	1159	1161	1159	1153	1148	1148	1145	1141	1145	1149		
20	1198	1199	1203	1215	1220	1219	1205	1200	1197	1200	1205	1219	1220	1215	1203	1199	1198		
25	1238	1248	1258	1273	1281	1282	1274	1266	1251	1266	1274	1282	1281	1273	1258	1248	1238		
30	1245	1246	1247	1263	1269	1272	1269	1272	1267	1272	1269	1272	1269	1263	1247	1246	1245		
35	1217	1218	1221	1226	1227	1227	1235	1236	1234	1236	1235	1227	1227	1226	1221	1218	1217		
40	1109	1112	1118	1118	1126	1125	1118	1111	1107	1111	1118	1125	1126	1118	1118	1112	1109		
45	967	959	965	965	963	944	941	935	944	935	941	944	963	965	965	959	967		
50	770	773	783	778	771	746	742	727	732	727	742	746	771	778	783	773	770		
55	523	526	530	524	529	520	504	496	492	496	504	520	529	524	530	526	523		
60	347	338	339	333	338	332	336	338	348	338	336	332	338	333	339	338	347		
65	232	230	233	233	236	232	231	232	238	232	231	232	236	233	233	230	232		
70	105	105	106	105	105	105	104	105	105	105	104	105	105	105	106	105	105		
75	47.7	47.8	48.6	47.6	48.2	46.6	47.4	46.5	48.2	46.5	47.4	46.6	48.2	47.6	48.6	47.8	47.7		
80	22.0	22.0	22.2	21.9	22.2	21.5	21.9	21.8	22.4	21.8	21.9	21.5	22.2	21.9	22.2	22.0	22.0		
85	10.1	9.95	10.0	9.80	9.93	9.73	9.83	9.80	10.02	9.80	9.83	9.73	9.93	9.80	10.0	9.95	10.1		
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:2018-01-08

$\gamma$  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: