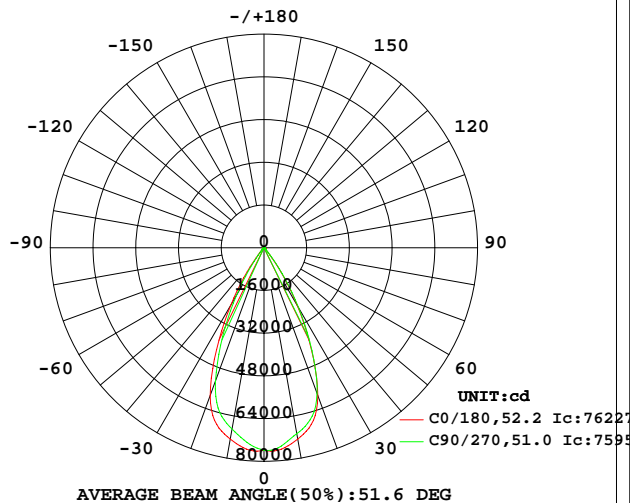


## LUMINAIRE PHOTOMETRIC TEST REPORT

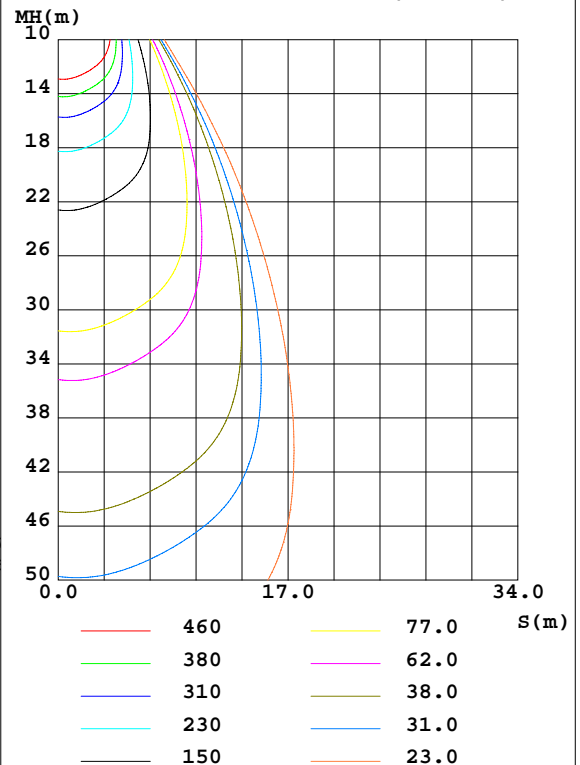
Test:U:219.1V I:1.456A P:315.1W PF:0.9878 Freq:49.99Hz Lamp Flux:53154.2x1 lm		
NAME: AOK-Win	TYPE:LED	WEIGHT:9KG
SPEC.:AOK-315	DIM.: 0.576*0.581*0.187M	SERIAL No.:
MFR.: AOK	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 168.66 lm/W			
MODEL	5050	I <sub>max</sub> (cd)	76331	S/MH(C0/180)	0.78
NOMINAL POWER(W)	315	LOR(%)	100.0	S/MH(C90/270)	0.75
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	53154	η UP,DN(C0-180)	0.0,52.4
NOMINAL FLUX(lm)	53154.2	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,47.6
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	0.80

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:2019-05-22

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	7281	7177	7074	7177	7281	6990	6898	6990	0- 10	7020	7020	13.2,13.2
20	5895	5960	5814	5960	5895	5445	5311	5445	10- 20	18455	25475	47.9,47.9
30	2502	2618	2590	2618	2502	2064	2080	2064	20- 30	18346	43822	82.4,82.4
40	271.5	334.2	340.7	334.2	271.5	195.6	215.7	195.6	30- 40	6762	50584	95.2,95.2
50	93.11	90.41	97.13	90.41	93.11	86.93	89.94	86.93	40- 50	1015	51599	97.1,97.1
60	68.19	66.39	69.23	66.39	68.19	59.42	62.75	59.42	50- 60	694.2	52294	98.4,98.4
70	42.53	37.47	43.32	37.47	42.53	35.52	40.43	35.52	60- 70	484.8	52778	99.3,99.3
80	19.94	18.08	21.28	18.08	19.94	14.83	15.93	14.83	70- 80	307.1	53086	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	68.67	53154	100,100
100	0	0	0	0	0	0	0	0	90-100	0	53154	100,100
110	0	0	0	0	0	0	0	0	100-110	0	53154	100,100
120	0	0	0	0	0	0	0	0	110-120	0	53154	100,100
130	0	0	0	0	0	0	0	0	120-130	0	53154	100,100
140	0	0	0	0	0	0	0	0	130-140	0	53154	100,100
150	0	0	0	0	0	0	0	0	140-150	0	53154	100,100
160	0	0	0	0	0	0	0	0	150-160	0	53154	100,100
170	0	0	0	0	0	0	0	0	160-170	0	53154	100,100
180	0	0	0	0	0	0	0	0	170-180	0	53154	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 51203 lm

%lum = 96.3%

%lamp = 96.3%

Conical surface Flux(120deg): 52294 lm

%lum = 98.4%

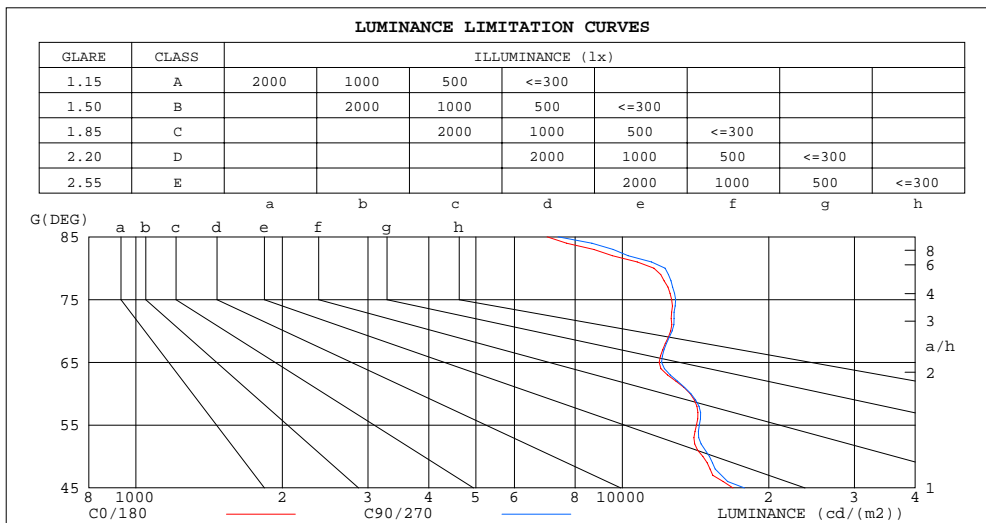
%lamp = 98.4%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-05-22

$\gamma$  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:219.1V I:1.456A P:315.1W PF:0.9878 Freq:49.99Hz Lamp Flux:53154.2x1 lm		
NAME: AOK-Win	TYPE:LED	WEIGHT:9KG
SPEC.:AOK-315	DIM.: 0.576*0.581*0.187M	SERIAL No.:
MFR.: AOK	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	7007	7381
80	11609	12245
75	12630	12867
70	12572	12654
65	11904	12042
60	13788	13834
55	14209	14403
50	14645	15097
45	16885	17834

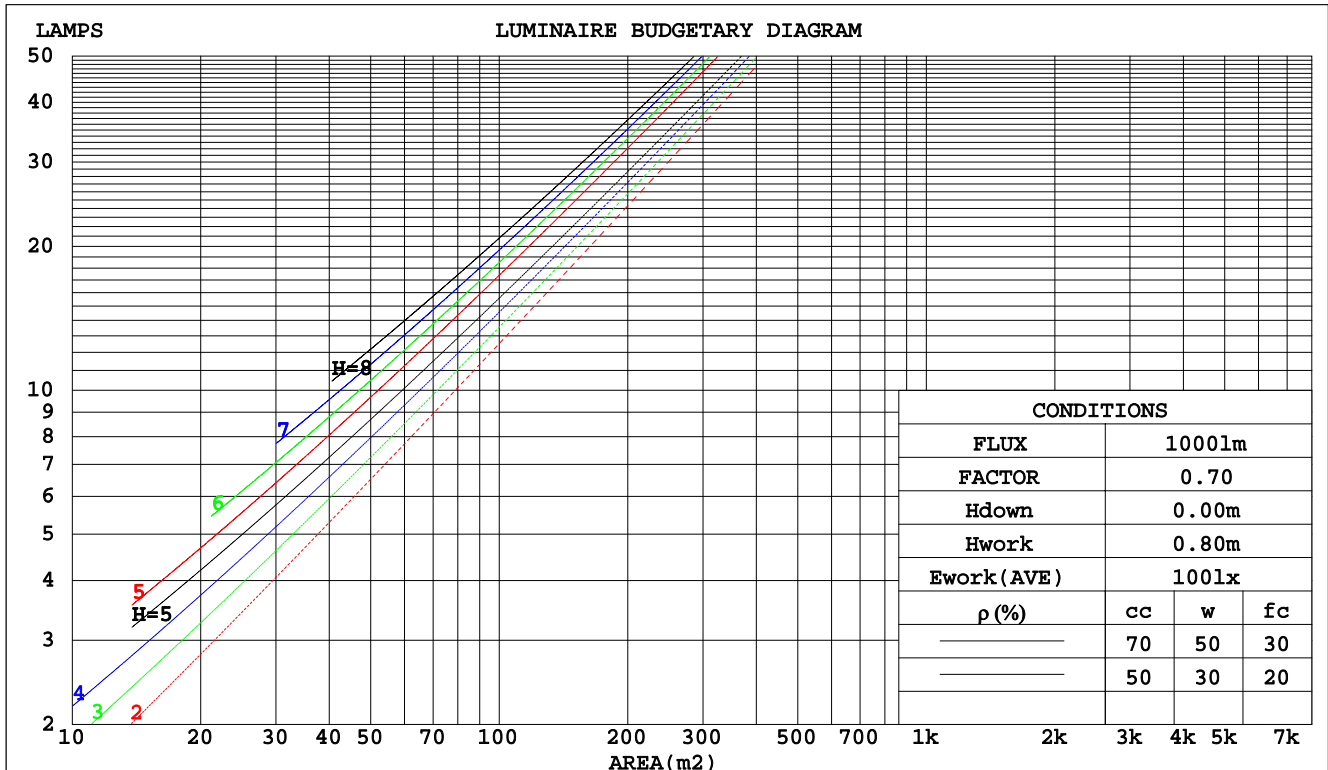
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2019-05-22

$\gamma$  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:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.1V I:1.456A P:315.1W PF:0.9878 Freq:49.99Hz Lamp Flux:53154.2x1 lm		
NAME: AOK-Win	TYPE:LED	WEIGHT:9KG
SPEC.:AOK-315	DIM.: 0.576*0.581*0.187M	SERIAL No.:
MFR.: AOK	SUR.:	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	1.00
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.00	.99	.98	.97	.96	.94
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.93	.91	.90	.88
3.0	.97	.93	.89	.96	.92	.88	.94	.90	.87	.91	.88	.86	.89	.86	.84	.83
4.0	.92	.87	.83	.91	.86	.82	.89	.84	.81	.87	.83	.80	.85	.82	.79	.78
5.0	.87	.81	.77	.86	.81	.77	.84	.80	.76	.82	.78	.75	.81	.77	.75	.73
6.0	.82	.76	.72	.81	.76	.72	.80	.75	.72	.78	.74	.71	.77	.73	.71	.69
7.0	.78	.72	.68	.77	.72	.68	.76	.71	.68	.75	.70	.67	.74	.70	.67	.66
8.0	.74	.68	.64	.73	.68	.64	.72	.67	.64	.71	.67	.64	.70	.66	.63	.62
9.0	.70	.65	.61	.70	.64	.61	.69	.64	.61	.68	.64	.60	.67	.63	.60	.59
10.0	.67	.61	.58	.66	.61	.58	.66	.61	.58	.65	.61	.57	.64	.60	.57	.56



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-05-22

$\gamma$  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:

## WEC AND CCEC

Test:U:219.1V I:1.456A P:315.1W PF:0.9878 Freq:49.99Hz Lamp Flux:53154.2x1 lm		
NAME: AOK-Win	TYPE:LED	WEIGHT:9KG
SPEC.:AOK-315	DIM.: 0.576*0.581*0.187M	SERIAL No.:
MFR.: AOK	SUR.:	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	.172	.098	.031	.165	.094	.030	.153	.088	.028	.141	.081	.026	.131	.076	.024		
2.0	.163	.089	.027	.157	.087	.027	.147	.082	.025	.137	.077	.024	.128	.072	.023		
3.0	.154	.082	.025	.149	.080	.024	.140	.076	.023	.132	.072	.022	.124	.069	.021		
4.0	.146	.076	.022	.142	.074	.022	.134	.071	.021	.127	.068	.021	.120	.065	.020		
5.0	.138	.070	.020	.135	.069	.020	.128	.067	.020	.122	.064	.019	.116	.062	.019		
6.0	.132	.066	.019	.129	.065	.019	.123	.063	.018	.117	.061	.018	.112	.059	.018		
7.0	.126	.062	.018	.123	.061	.017	.118	.060	.017	.113	.058	.017	.108	.056	.017		
8.0	.120	.059	.017	.118	.058	.016	.113	.057	.016	.109	.055	.016	.105	.054	.016		
9.0	.115	.056	.016	.113	.055	.015	.109	.054	.015	.105	.053	.015	.101	.052	.015		
10.0	.111	.053	.015	.109	.052	.015	.105	.051	.014	.101	.050	.014	.098	.049	.014		

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	.171	.157	.145	.146	.135	.125	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.155	.133	.114	.133	.114	.098	.091	.079	.069	.052	.046	.040	.017	.015	.013	
3.0	.142	.114	.091	.122	.098	.079	.084	.068	.055	.048	.040	.033	.016	.013	.011	
4.0	.131	.099	.074	.113	.085	.064	.078	.059	.045	.045	.035	.027	.014	.011	.009	
5.0	.122	.087	.061	.105	.075	.053	.072	.053	.037	.042	.031	.022	.014	.010	.007	
6.0	.115	.077	.051	.098	.067	.044	.068	.047	.031	.039	.028	.019	.013	.009	.006	
7.0	.108	.070	.043	.093	.061	.038	.064	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.102	.063	.037	.088	.055	.032	.061	.039	.023	.035	.023	.014	.011	.007	.005	
9.0	.097	.058	.032	.083	.051	.028	.058	.036	.020	.034	.021	.012	.011	.007	.004	
10.0	.092	.054	.028	.079	.047	.025	.055	.033	.017	.032	.019	.010	.010	.006	.003	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2019-05-22

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:219.1V I:1.456A P:315.1W PF:0.9878 Freq:49.99Hz Lamp Flux:53154.2x1 lm											
NAME: AOK-Win					TYPE:LED			WEIGHT:9KG			
SPEC.:AOK-315					DIM.: 0.576*0.581*0.187M			SERIAL No.:			
MFR.: AOK					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	5.8	6.7	6.0	6.9	7.0	6.0	6.9	6.3	7.1	7.3	
	3H	6.0	6.8	6.2	7.0	7.2	6.2	7.0	6.4	7.2	7.4
	4H	6.1	6.9	6.4	7.1	7.3	6.3	7.1	6.6	7.3	7.5
	6H	6.2	7.0	6.5	7.2	7.5	6.4	7.2	6.7	7.4	7.6
	8H	6.3	7.0	6.6	7.2	7.5	6.5	7.2	6.8	7.4	7.7
	12H	6.3	6.9	6.6	7.2	7.5	6.4	7.1	6.8	7.4	7.7
4H	2H	5.7	6.5	6.0	6.7	6.9	5.9	6.7	6.2	6.9	7.1
	3H	6.0	6.7	6.3	6.9	7.2	6.2	6.8	6.5	7.1	7.4
	4H	6.2	6.8	6.6	7.1	7.4	6.4	7.0	6.7	7.3	7.6
	6H	6.5	7.0	6.8	7.3	7.7	6.6	7.1	7.0	7.5	7.8
	8H	6.5	7.0	6.9	7.4	7.7	6.7	7.2	7.1	7.5	7.9
	12H	6.5	7.0	6.9	7.3	7.7	6.7	7.1	7.1	7.5	7.9
8H	4H	6.2	6.7	6.6	7.1	7.4	6.4	6.9	6.8	7.2	7.6
	6H	6.5	7.0	7.0	7.3	7.8	6.7	7.1	7.1	7.5	7.9
	8H	6.6	7.0	7.1	7.4	7.9	6.8	7.1	7.2	7.5	8.0
	12H	6.7	7.0	7.1	7.4	7.9	6.8	7.1	7.3	7.5	8.0
12H	4H	6.2	6.7	6.6	7.0	7.4	6.4	6.8	6.8	7.2	7.6
	6H	6.5	6.9	7.0	7.3	7.8	6.7	7.0	7.1	7.4	7.9
	8H	6.6	7.0	7.1	7.4	7.9	6.8	7.1	7.2	7.5	8.0
Variations with the observer position at spacings:											
S = 1.0H	+ 2.0 / - 1.2					+ 2.3 / - 1.6					
1.5H	+ 3.8 / - 1.1					+ 4.3 / - 1.5					
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.4					

CIE Pub.117, 53154 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 13.8$ )

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2019-05-22

$\gamma$  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:

### UTILIZATION FACTORS TABLE

Test:U:219.1V I:1.456A P:315.1W PF:0.9878 Freq:49.99Hz Lamp Flux:53154.2x1 lm		
NAME: AOK-Win	TYPE:LED	WEIGHT:9KG
SPEC.:AOK-315	DIM.: 0.576*0.581*0.187M	SERIAL No.:
MFR.: AOK	SUR.:	Shielding Angle:

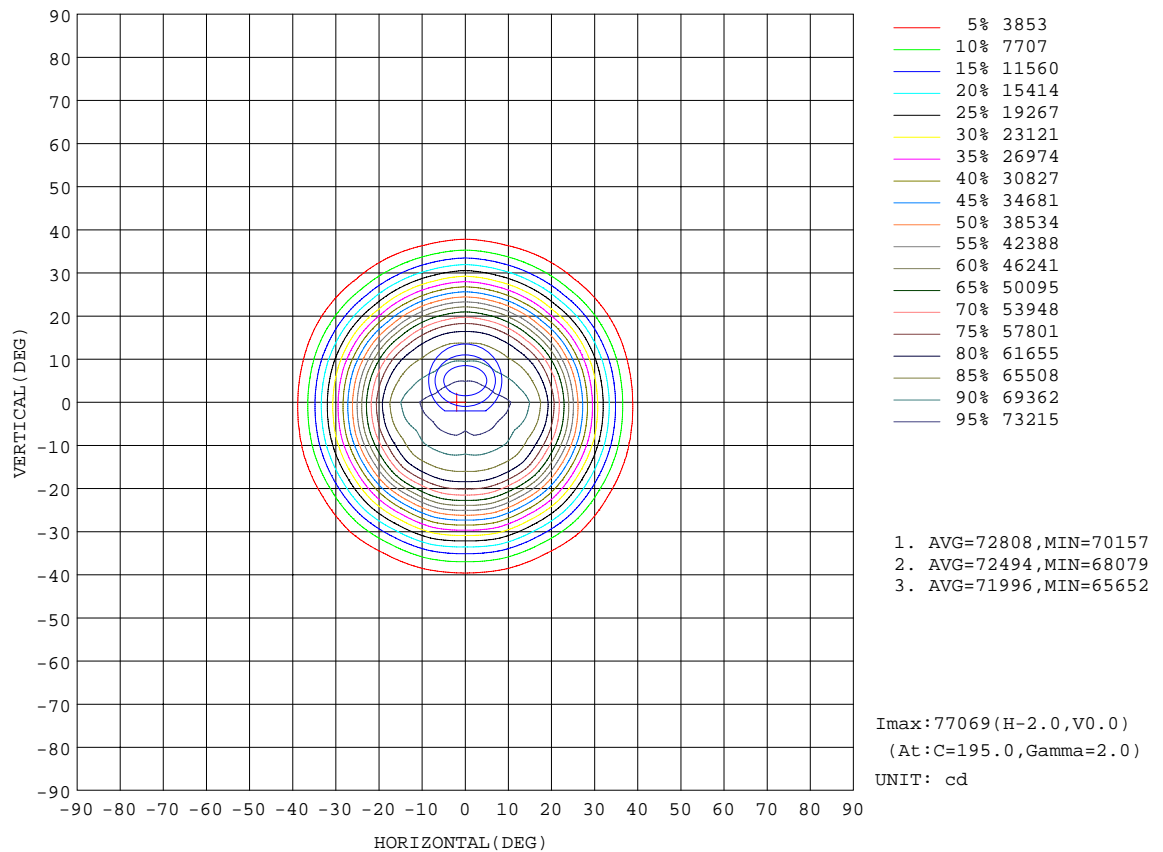
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	89	82	79	88	82	79	87	82	79	75
0.80	96	90	87	95	90	86	94	89	86	82
1.00	100	94	91	99	94	91	97	94	90	86
1.25	104	99	95	103	98	95	101	97	94	90
1.50	106	102	98	105	101	98	103	99	97	92
2.00	109	105	102	107	104	101	105	102	99	94
2.50	110	107	104	109	105	103	106	103	101	95
3.00	112	109	106	110	107	105	107	104	103	96
4.00	114	111	109	112	110	108	108	106	105	98
5.00	115	113	111	113	111	110	109	108	107	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2019-05-22

$\gamma$  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:

## ISOCANDELA DIAGRAM

Test:U:219.1V I:1.456A P:315.1W PF:0.9878 Freq:49.99Hz Lamp Flux:53154.2x1 lm		
NAME: AOK-Win	TYPE:LED	WEIGHT:9KG
SPEC.:AOK-315	DIM.: 0.576*0.581*0.187M	SERIAL No.:
MFR.: AOK	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2019-05-22

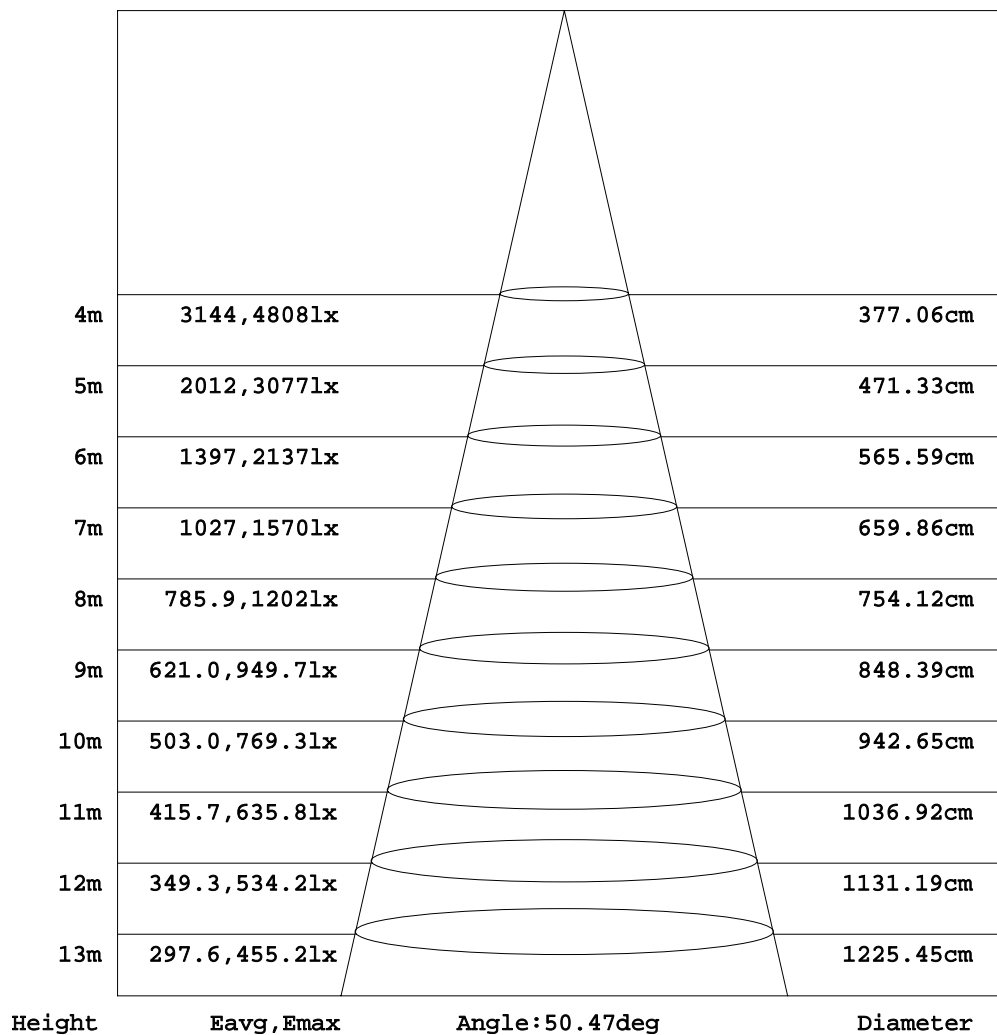
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 7.684m [K=1.0000]  
 Remarks:



### AAI Figure

Test:U:219.1V I:1.456A P:315.1W PF:0.9878 Freq:49.99Hz Lamp Flux:53154.2x1 lm		
NAME: AOK-Win	TYPE:LED	WEIGHT:9KG
SPEC.:AOK-315	DIM.: 0.576*0.581*0.187M	SERIAL No.:
MFR.: AOK	SUR.:	Shielding Angle:

Flux out:37590 lm



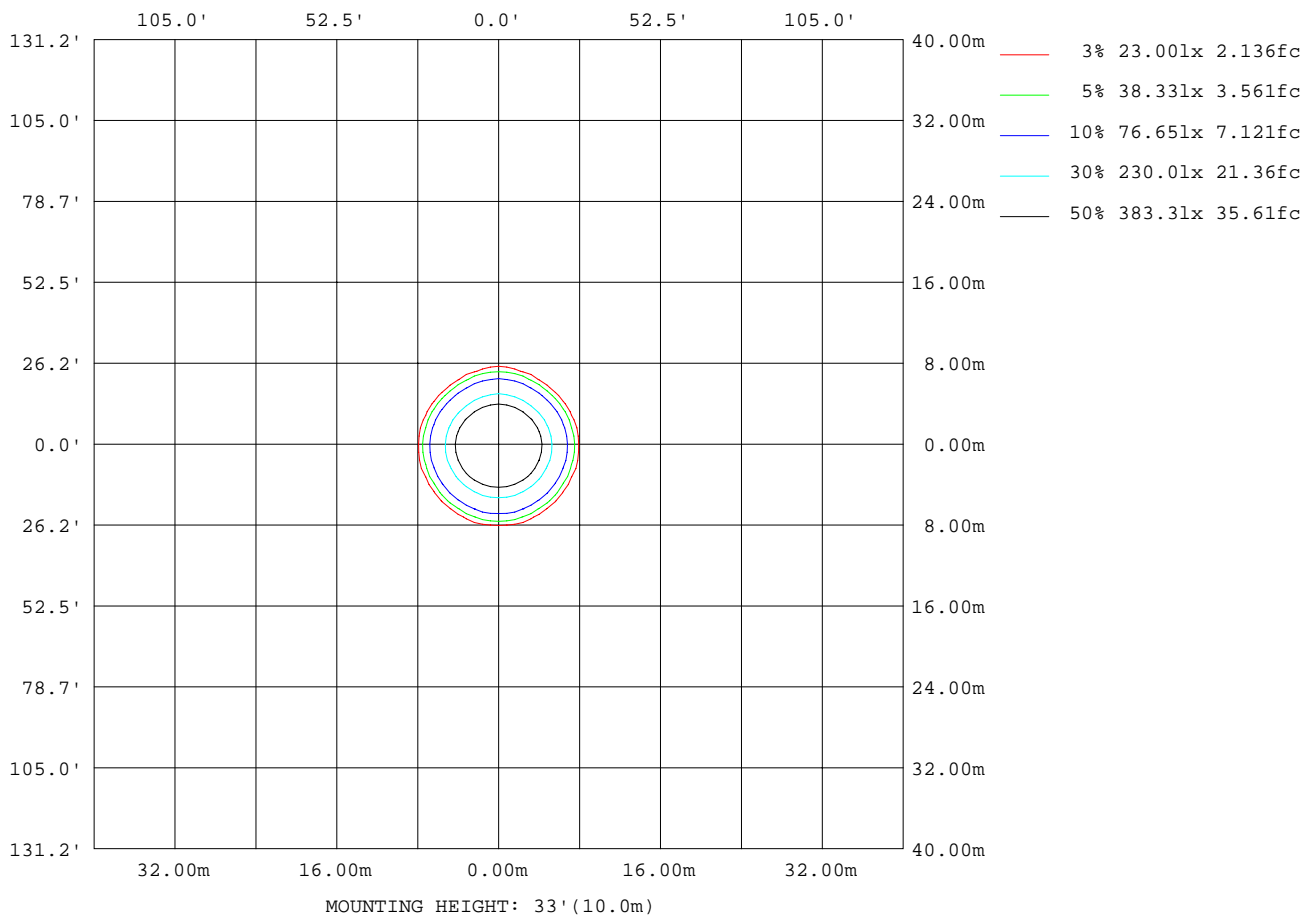
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-05-22

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:219.1V I:1.456A P:315.1W PF:0.9878 Freq:49.99Hz Lamp Flux:53154.2x1 lm		
NAME: AOK-Win	TYPE:LED	WEIGHT:9KG
SPEC.:AOK-315	DIM.: 0.576*0.581*0.187M	SERIAL No.:
MFR.: AOK	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2019-05-22

$\gamma$  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:219.1V I:1.456A P:315.1W PF:0.9878 Freq:49.99Hz Lamp Flux:53154.2x1 lm		
NAME: AOK-Win	TYPE:LED	WEIGHT:9KG
SPEC.:AOK-315	DIM.: 0.576*0.581*0.187M	SERIAL No.:
MFR.: AOK	SUR.:	Shielding Angle:

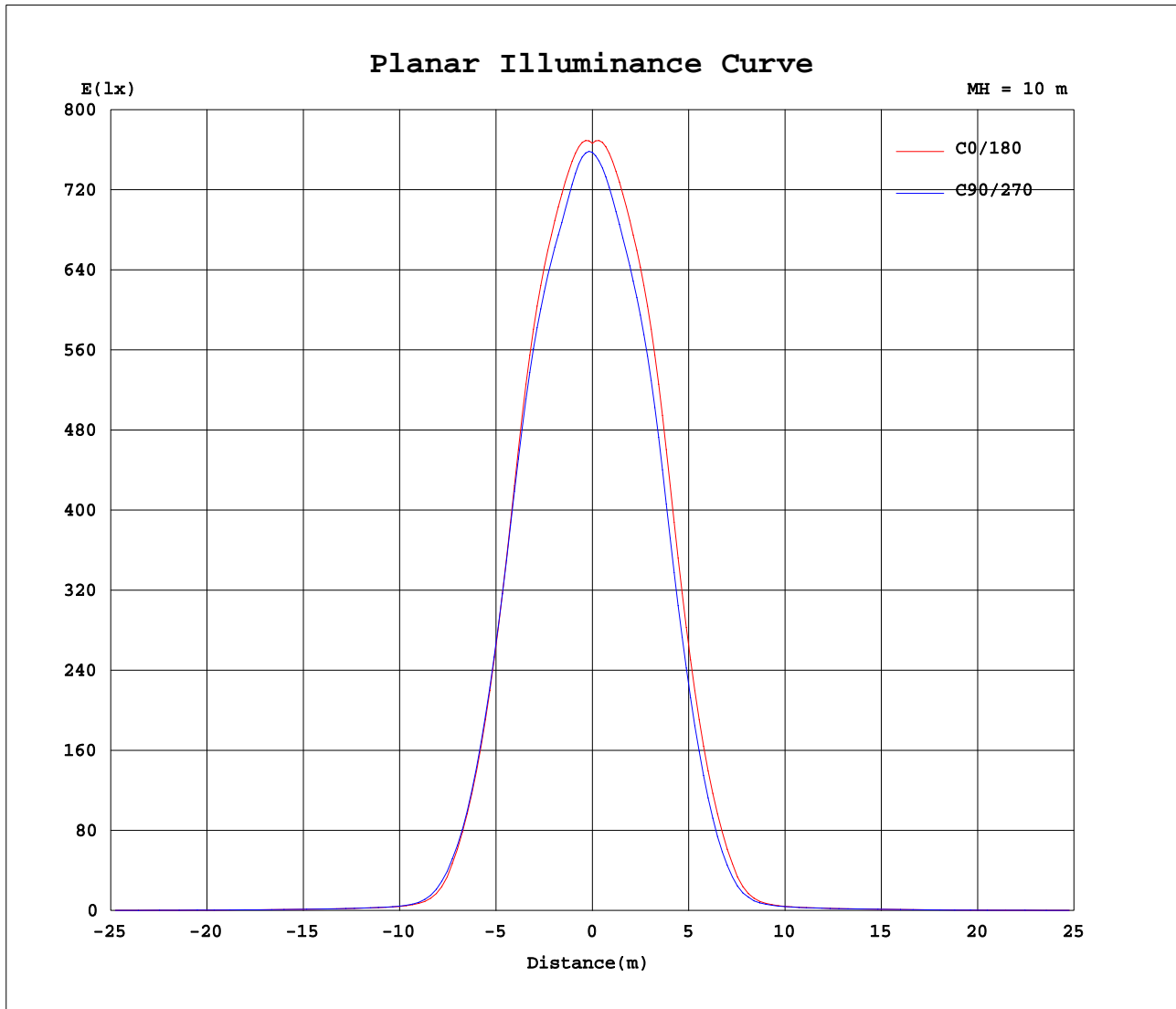
AvgL	cd/m2
L_0~180(65)av	11774
L_0~180(75)av	12492
L_0~180(85)av	6930
L_90~270(65)av	11735
L_90~270(75)av	12226
L_90~270(85)av	5753
L_45(65)av	10620
L_45(75)av	10715
L_45(85)av	5669

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2019-05-22

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: 2019-05-22

$\gamma$  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:219.1V I:1.456A P:315.1W PF:0.9878 Freq:49.99Hz Lamp Flux:53154.2x1 lm		
NAME: AOK-Win	TYPE:LED	WEIGHT:9KG
SPEC.:AOK-315	DIM.: 0.576*0.581*0.187M	SERIAL No.:
MFR.: AOK	SUR.:	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	7581	7581	7581	7581	7581	7581	7581	7581	7581	7581	7581	7581	7581	7581	7581	7581	7581	7581	7581
5	7568	7584	7558	7547	7523	7519	7456	7519	7523	7547	7558	7584	7568	7527	7477	7420	7388	7353	7315
10	7281	7255	7166	7177	7148	7151	7074	7151	7148	7177	7166	7255	7281	7193	7087	6990	6971	6948	6898
15	6853	6826	6722	6765	6714	6700	6675	6700	6714	6765	6722	6826	6853	6780	6656	6514	6472	6440	6392
20	5895	5934	5890	5960	5868	5866	5814	5866	5868	5960	5890	5934	5895	5832	5682	5445	5356	5292	5311
25	4210	4318	4306	4356	4267	4335	4259	4335	4267	4356	4306	4318	4210	4157	3990	3726	3644	3608	3669
30	2502	2593	2554	2618	2565	2662	2590	2662	2565	2618	2554	2593	2502	2460	2291	2064	2015	1999	2080
35	1102	1152	1133	1167	1146	1218	1184	1218	1146	1167	1133	1152	1102	1068	916	771	748	766	823
40	271	316	275	334	302	340	341	340	302	334	275	316	271	258	252	196	193	200	216
45	118	118	115	117	118	125	126	125	118	117	115	118	118	118	108	106	103	107	112
50	93.1	87.9	86.4	90.4	86.8	88.8	97.1	88.8	86.8	90.4	86.4	87.9	93.1	87.2	85.8	86.9	85.3	85.9	89.9
55	80.6	78.8	77.0	79.3	78.1	78.4	82.7	78.4	78.1	79.3	77.0	78.8	80.6	78.2	78.1	76.6	75.9	77.2	77.9
60	68.2	67.8	65.3	66.4	65.4	67.5	69.2	67.5	65.4	66.4	65.3	67.8	68.2	66.8	63.0	59.4	59.6	61.5	62.8
65	49.8	49.2	46.5	45.6	46.2	49.5	50.9	49.5	46.2	45.6	46.5	49.2	49.8	48.6	45.6	44.1	44.9	46.5	48.3
70	42.5	40.6	38.4	37.5	37.9	40.4	43.3	40.4	37.9	37.5	38.4	40.6	42.5	40.0	37.3	35.5	36.3	37.9	40.4
75	32.3	31.6	29.8	29.0	29.1	31.2	33.3	31.2	29.1	29.0	29.8	31.6	32.3	30.8	28.3	26.5	26.8	28.6	30.0
80	19.9	20.0	18.6	18.1	17.9	19.9	21.3	19.9	17.9	18.1	18.6	20.0	19.9	18.6	16.3	14.8	14.6	14.9	15.9
85	6.04	6.21	6.34	6.66	5.99	5.96	6.44	5.96	5.99	6.66	6.34	6.21	6.04	4.99	4.23	3.22	2.94	2.85	3.59
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:2019-05-22

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:219.1V I:1.456A P:315.1W PF:0.9878 Freq:49.99Hz Lamp Flux:53154.2x1 lm		
NAME: AOK-Win	TYPE:LED	WEIGHT:9KG
SPEC.:AOK-315	DIM.: 0.576*0.581*0.187M	SERIAL No.:
MFR.: AOK	SUR.:	Shielding Angle:

Table--2

UNIT: x10cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	7581	7581	7581	7581	7581														
5	7353	7388	7420	7477	7527														
10	6948	6971	6990	7087	7193														
15	6440	6472	6514	6656	6780														
20	5292	5356	5445	5682	5832														
25	3608	3644	3726	3990	4157														
30	1999	2015	2064	2291	2460														
35	766	748	771	916	1068														
40	200	193	196	252	258														
45	107	103	106	108	118														
50	85.9	85.3	86.9	85.8	87.2														
55	77.2	75.9	76.6	78.1	78.2														
60	61.5	59.6	59.4	63.0	66.8														
65	46.5	44.9	44.1	45.6	48.6														
70	37.9	36.3	35.5	37.3	40.0														
75	28.6	26.8	26.5	28.3	30.8														
80	14.9	14.6	14.8	16.3	18.6														
85	2.85	2.94	3.22	4.23	4.99														
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:2019-05-22

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
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