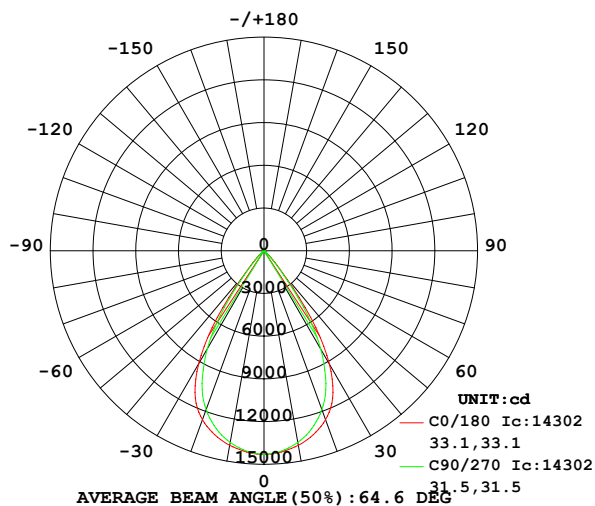


## LUMINAIRE PHOTOMETRIC TEST REPORT

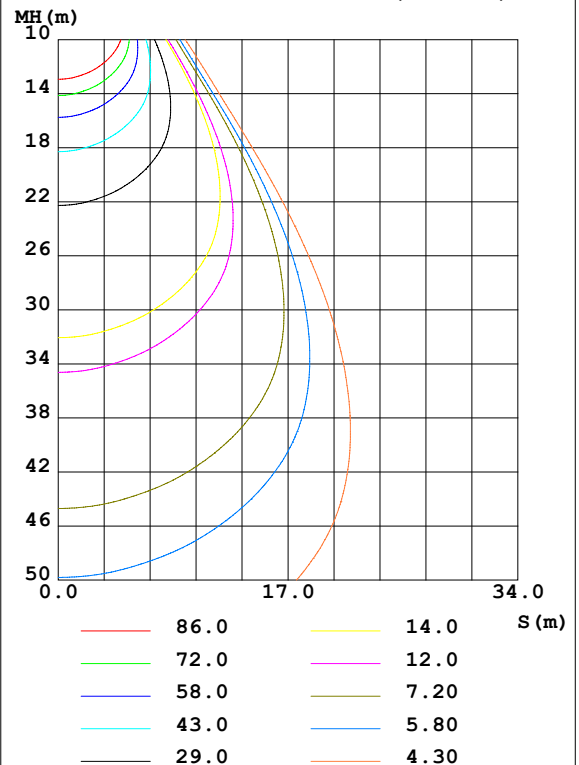
Test:U:220.8V I:0.4611A P:100.3W PF:0.9852 Freq:49.99Hz Lamp Flux:13903x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-60D	DIM.: 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.14M	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 138.60 lm/W			
MODEL	3030	I <sub>max</sub> (cd)	14302	S/MH (C0/180)	0.96
NOMINAL POWER (W)	100	LOR (%)	100.0	S/MH (C90/270)	0.93
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	13903	η UP,DN (C0-180)	0.0,50.0
NOMINAL FLUX (lm)	13903	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,50.0
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	0.95

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:2018-10-18

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	1387	1366	1367	1366	1387	1366	1367	1366	0- 10	1334	1334	9.6,9.6
20	1263	1205	1189	1205	1263	1205	1189	1205	10- 20	3663	4997	35.9,35.9
30	917.7	833.3	798.1	833.3	917.7	833.3	798.1	833.3	20- 30	4828	9825	70.7,70.7
40	206.2	201.8	178.9	201.8	206.2	201.8	178.9	201.8	30- 40	3166	12991	93.4,93.4
50	20.70	20.83	19.51	20.83	20.70	20.83	19.51	20.83	40- 50	613.5	13604	97.9,97.9
60	13.84	13.23	12.96	13.23	13.84	13.23	12.96	13.23	50- 60	137.3	13742	98.8,98.8
70	8.997	8.220	7.750	8.220	8.997	8.220	7.750	8.220	60- 70	109.7	13851	99.6,99.6
80	1.366	1.280	1.036	1.280	1.366	1.280	1.036	1.280	70- 80	48.12	13899	100,100
90	0	0	0	0	0	0	0	0	80- 90	3.556	13903	100,100
100	0	0	0	0	0	0	0	0	90-100	0	13903	100,100
110	0	0	0	0	0	0	0	0	100-110	0	13903	100,100
120	0	0	0	0	0	0	0	0	110-120	0	13903	100,100
130	0	0	0	0	0	0	0	0	120-130	0	13903	100,100
140	0	0	0	0	0	0	0	0	130-140	0	13903	100,100
150	0	0	0	0	0	0	0	0	140-150	0	13903	100,100
160	0	0	0	0	0	0	0	0	150-160	0	13903	100,100
170	0	0	0	0	0	0	0	0	160-170	0	13903	100,100
180	0	0	0	0	0	0	0	0	170-180	0	13903	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 13457 lm

%lum = 96.8%

%lamp = 96.8%

Conical surface Flux(120deg): 13742 lm

%lum = 98.8%

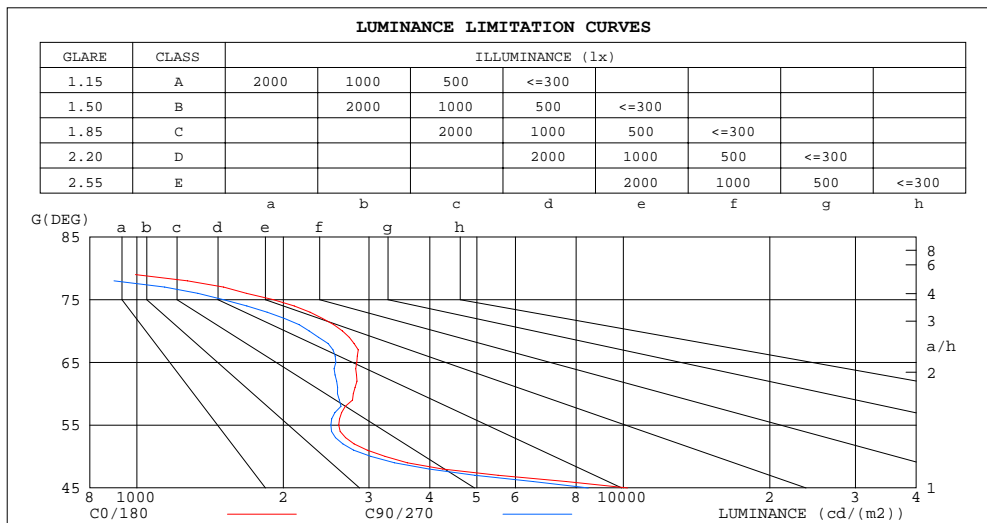
%lamp = 98.8%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-10-18

$\gamma$  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:220.8V I:0.4611A P:100.3W PF:0.9852 Freq:49.99Hz Lamp Flux:13903x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-3030-60D	DIM.: 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.14M	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	216	104
80	792	595
75	1905	1503
70	2646	2259
65	2832	2565
60	2785	2585
55	2600	2506
50	3240	3027
45	10200	8472

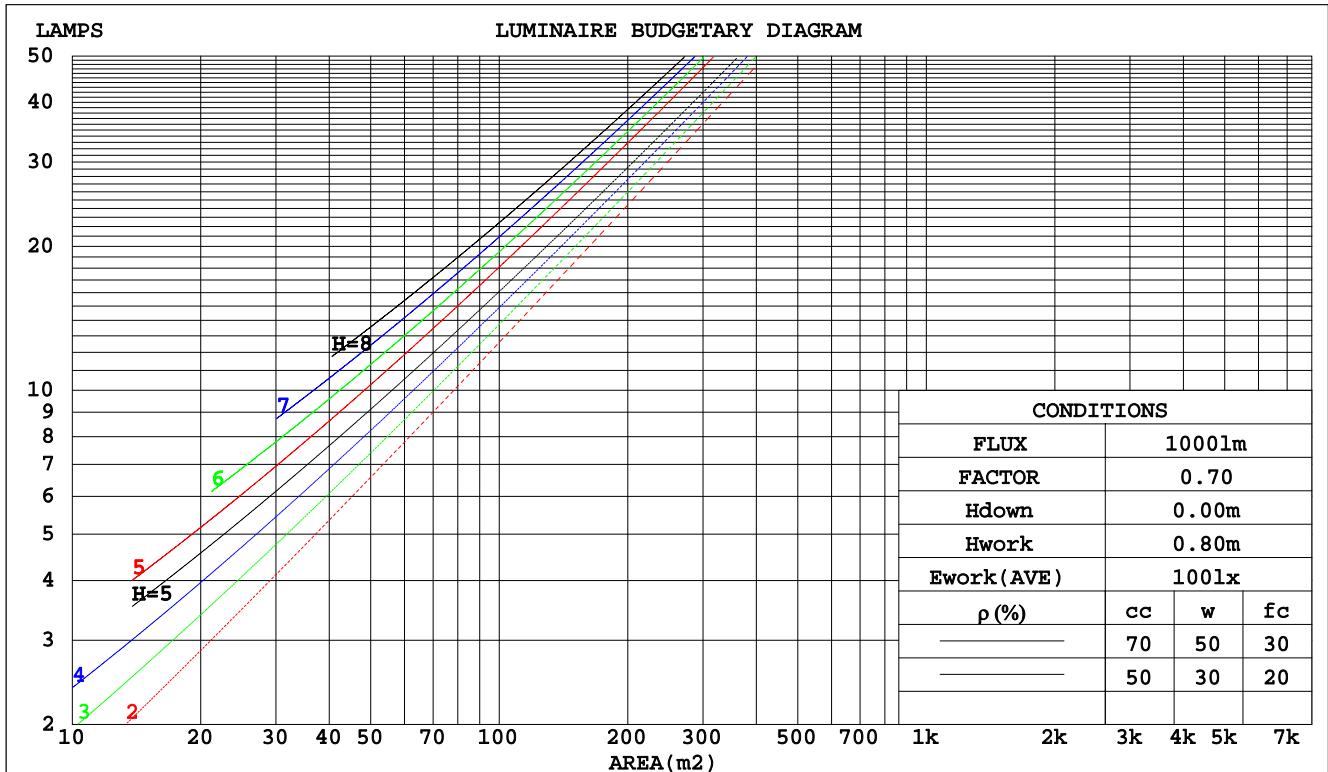
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-10-18

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:220.8V I:0.4611A P:100.3W PF:0.9852 Freq:49.99Hz Lamp Flux:13903x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-60D	DIM.: 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.14M	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	1.08	1.06	1.08	1.06	1.04	1.04	1.03	1.01	1.01	.99	.98	.97	.96	.95	.93
2.0	1.03	.99	.95	1.01	.97	.94	.98	.95	.92	.95	.92	.90	.92	.90	.88	.87
3.0	.96	.91	.87	.94	.90	.86	.92	.88	.85	.89	.86	.83	.87	.84	.82	.80
4.0	.89	.84	.79	.88	.83	.79	.86	.82	.78	.84	.80	.77	.82	.79	.76	.75
5.0	.84	.78	.73	.83	.77	.73	.81	.76	.72	.79	.75	.72	.78	.74	.71	.70
6.0	.78	.72	.68	.77	.72	.68	.76	.71	.67	.75	.70	.67	.73	.69	.66	.65
7.0	.74	.67	.63	.73	.67	.63	.72	.66	.63	.70	.66	.62	.69	.65	.62	.61
8.0	.69	.63	.59	.69	.63	.59	.67	.62	.59	.66	.62	.58	.65	.61	.58	.57
9.0	.65	.59	.55	.65	.59	.55	.64	.59	.55	.63	.58	.55	.62	.58	.55	.53
10.0	.62	.56	.52	.61	.56	.52	.60	.55	.52	.60	.55	.51	.59	.54	.51	.50



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-10-18

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:220.8V I:0.4611A P:100.3W PF:0.9852 Freq:49.99Hz Lamp Flux:13903x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-60D	DIM.: 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.14M	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	.181	.103	.033	.174	.099	.032	.162	.093	.030	.150	.086	.028	.139	.081	.026		
2.0	.173	.095	.029	.168	.092	.028	.157	.087	.027	.147	.083	.026	.138	.078	.025		
3.0	.165	.088	.026	.160	.086	.026	.151	.082	.025	.143	.078	.024	.135	.075	.023		
4.0	.157	.082	.024	.153	.080	.024	.145	.077	.023	.138	.074	.022	.131	.071	.022		
5.0	.150	.077	.022	.147	.075	.022	.140	.073	.021	.133	.070	.021	.127	.068	.020		
6.0	.143	.072	.021	.140	.071	.020	.134	.069	.020	.129	.067	.020	.123	.065	.019		
7.0	.137	.068	.019	.134	.067	.019	.129	.065	.019	.124	.064	.018	.119	.062	.018		
8.0	.131	.064	.018	.129	.063	.018	.124	.062	.018	.119	.061	.017	.115	.059	.017		
9.0	.126	.061	.017	.124	.060	.017	.119	.059	.017	.115	.058	.017	.111	.057	.016		
10.0	.121	.058	.016	.119	.057	.016	.115	.056	.016	.111	.055	.016	.108	.054	.016		

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	.147	.135	.124	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.156	.132	.112	.134	.114	.097	.092	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.144	.114	.089	.124	.098	.077	.085	.068	.054	.049	.040	.032	.016	.013	.010	
4.0	.134	.099	.072	.115	.085	.063	.079	.060	.044	.046	.035	.026	.015	.011	.009	
5.0	.126	.087	.059	.108	.076	.051	.074	.053	.036	.043	.031	.022	.014	.010	.007	
6.0	.118	.078	.049	.102	.068	.043	.070	.047	.030	.041	.028	.018	.013	.009	.006	
7.0	.112	.071	.042	.096	.061	.036	.067	.043	.026	.039	.025	.015	.013	.008	.005	
8.0	.107	.064	.036	.092	.056	.031	.063	.039	.022	.037	.023	.013	.012	.008	.004	
9.0	.102	.059	.031	.087	.052	.027	.061	.036	.019	.035	.021	.011	.011	.007	.004	
10.0	.097	.055	.027	.084	.048	.024	.058	.034	.017	.034	.020	.010	.011	.007	.003	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-10-18

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:220.8V I:0.4611A P:100.3W PF:0.9852 Freq:49.99Hz Lamp Flux:13903x1 lm										
NAME: AOK oH					TYPE:LED			WEIGHT:2.9KG		
SPEC.:AOK-100WoH-3030-60D					DIM.: 0.248*0.138M			SERIAL No.:1		
MFR.: AOK					SUR.:±0.14M			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	9.3	10.3	9.5	10.4	10.6	8.6	9.6	8.8	9.7	9.9
3H	9.2	10.1	9.5	10.3	10.5	8.5	9.4	8.8	9.6	9.8
4H	9.1	10.0	9.4	10.2	10.4	8.4	9.3	8.7	9.5	9.7
6H	9.1	9.9	9.4	10.1	10.3	8.4	9.2	8.7	9.4	9.6
8H	9.0	9.8	9.3	10.0	10.3	8.3	9.1	8.6	9.3	9.6
12H	9.0	9.7	9.3	10.0	10.3	8.3	9.0	8.6	9.3	9.5
4H 2H	9.1	9.9	9.3	10.1	10.3	8.4	9.2	8.6	9.4	9.7
3H	9.0	9.7	9.3	10.0	10.3	8.3	9.0	8.6	9.3	9.6
4H	9.0	9.6	9.3	9.9	10.2	8.3	8.9	8.6	9.2	9.5
6H	8.9	9.5	9.3	9.8	10.1	8.2	8.8	8.6	9.1	9.5
8H	8.8	9.4	9.2	9.7	10.1	8.1	8.7	8.5	9.0	9.4
12H	8.8	9.3	9.2	9.6	10.0	8.1	8.6	8.5	9.0	9.3
8H 4H	8.8	9.4	9.2	9.7	10.1	8.2	8.7	8.6	9.0	9.4
6H	8.8	9.2	9.2	9.6	10.0	8.1	8.5	8.5	8.9	9.3
8H	8.7	9.1	9.2	9.5	10.0	8.0	8.4	8.5	8.8	9.3
12H	8.7	9.0	9.1	9.4	9.9	8.0	8.3	8.4	8.7	9.2
12H 4H	8.8	9.3	9.2	9.6	10.0	8.1	8.6	8.5	9.0	9.4
6H	8.7	9.1	9.2	9.5	10.0	8.0	8.4	8.5	8.8	9.3
8H	8.7	9.0	9.1	9.4	9.9	8.0	8.3	8.4	8.7	9.2
Variations with the observer position at spacings:										
S = 1.0H	+ 3.8 / - 7.3					+ 3.4 / - 6.8				
1.5H	+ 6.3 / - 7.2					+ 5.9 / - 6.6				
2.0H	+ 4.8 / - 1.5					+ 4.2 / - 1.3				

CIE Pub.117, 13903 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 9.1$ )

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-10-18

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:220.8V I:0.4611A P:100.3W PF:0.9852 Freq:49.99Hz Lamp Flux:13903x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-60D	DIM.: 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: $\phi$ 0.14M	Shielding Angle:

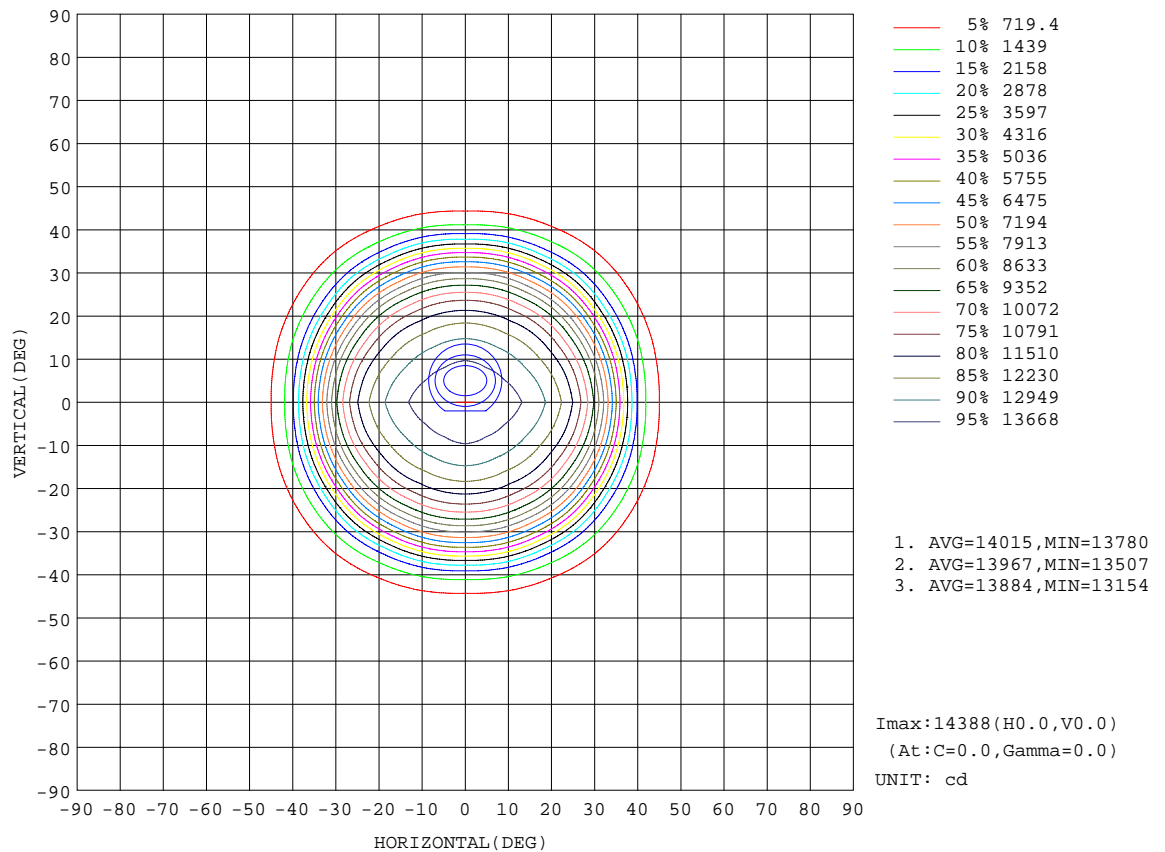
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	88	81	77	87	81	77	86	81	77	74
0.80	95	89	85	94	89	85	93	88	85	81
1.00	99	94	90	98	93	90	97	93	89	85
1.25	103	98	95	102	98	94	100	96	93	89
1.50	106	101	98	105	100	97	102	99	96	92
2.00	109	104	101	107	103	100	104	101	99	94
2.50	110	106	104	109	105	103	106	103	101	95
3.00	112	108	106	110	107	105	107	104	102	96
4.00	114	111	109	112	109	108	108	106	105	98
5.00	115	113	111	113	111	109	109	108	106	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:2018-10-18

$\gamma$  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:220.8V I:0.4611A P:100.3W PF:0.9852 Freq:49.99Hz Lamp Flux:13903x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-60D	DIM.: 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.14M	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-10-18

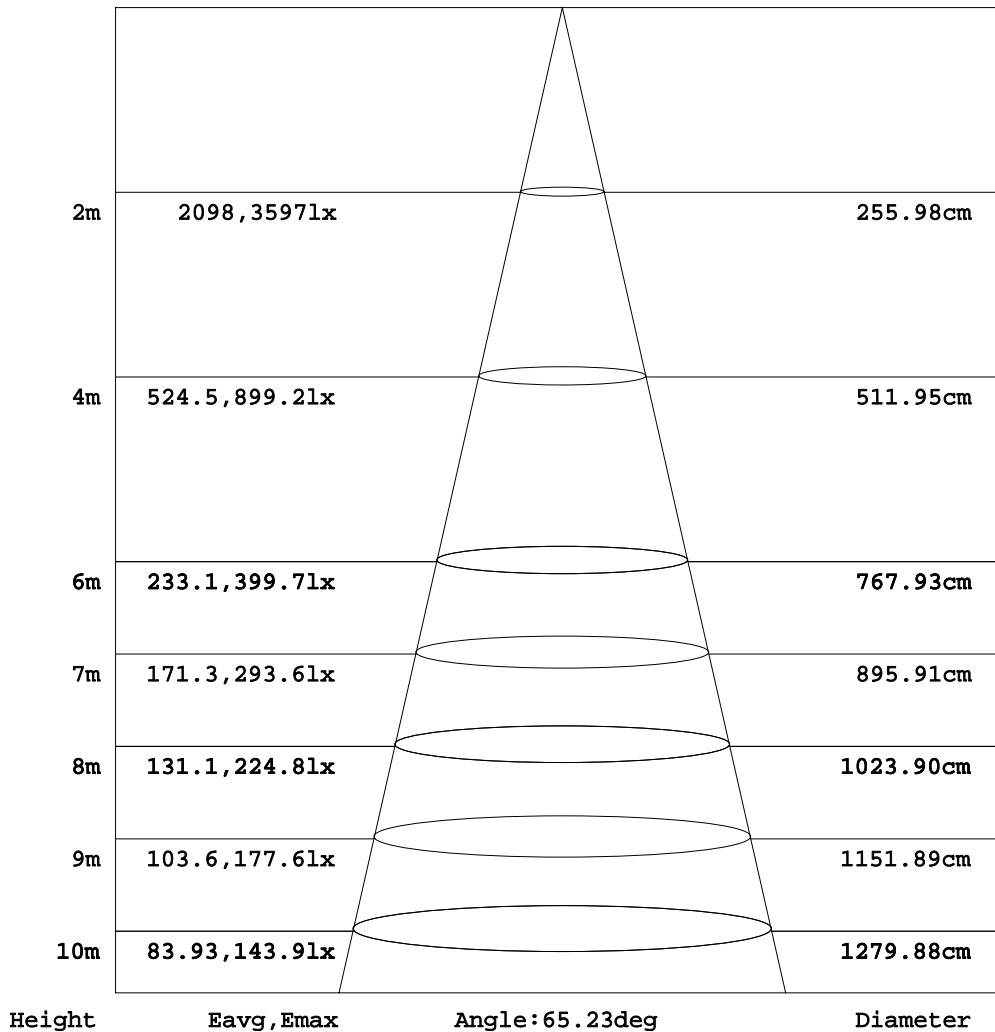
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.684m [K=1.0000]  
Remarks:



## AAI Figure

Test:U:220.8V I:0.4611A P:100.3W PF:0.9852 Freq:49.99Hz Lamp Flux:13903x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-60D	DIM.: 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: $\phi$ 0.14M	Shielding Angle:

Flux out:11119 lm



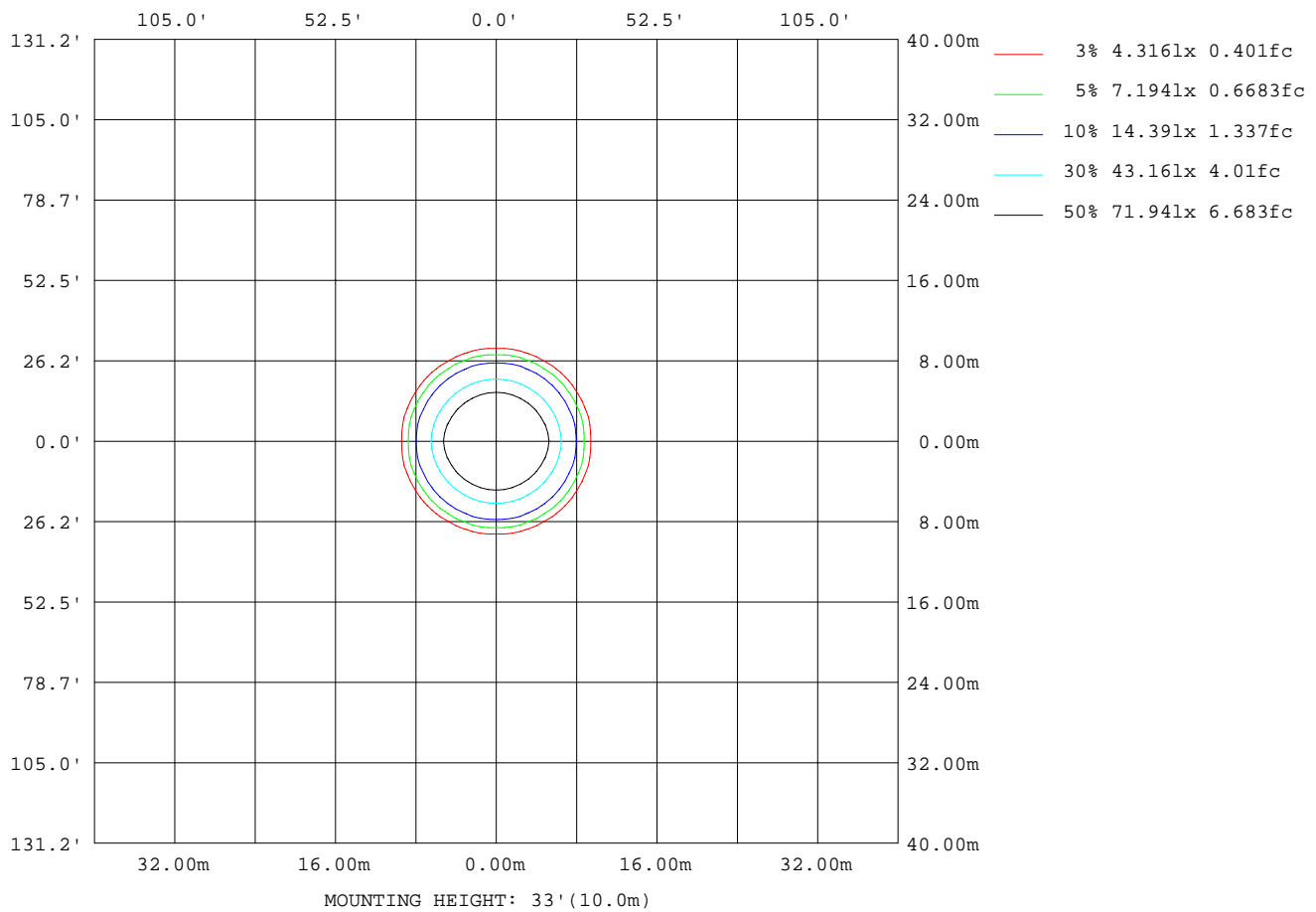
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2018-10-18

$\gamma$  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:

## ISOLUX DIAGRAM

Test:U:220.8V I:0.4611A P:100.3W PF:0.9852 Freq:49.99Hz Lamp Flux:13903x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-3030-60D	DIM.: 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.14M	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-10-18

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:

## LED Avg.L Report

Test:U:220.8V I:0.4611A P:100.3W PF:0.9852 Freq:49.99Hz Lamp Flux:13903x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-60D	DIM.: 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: $\phi$ 0.14M	Shielding Angle:

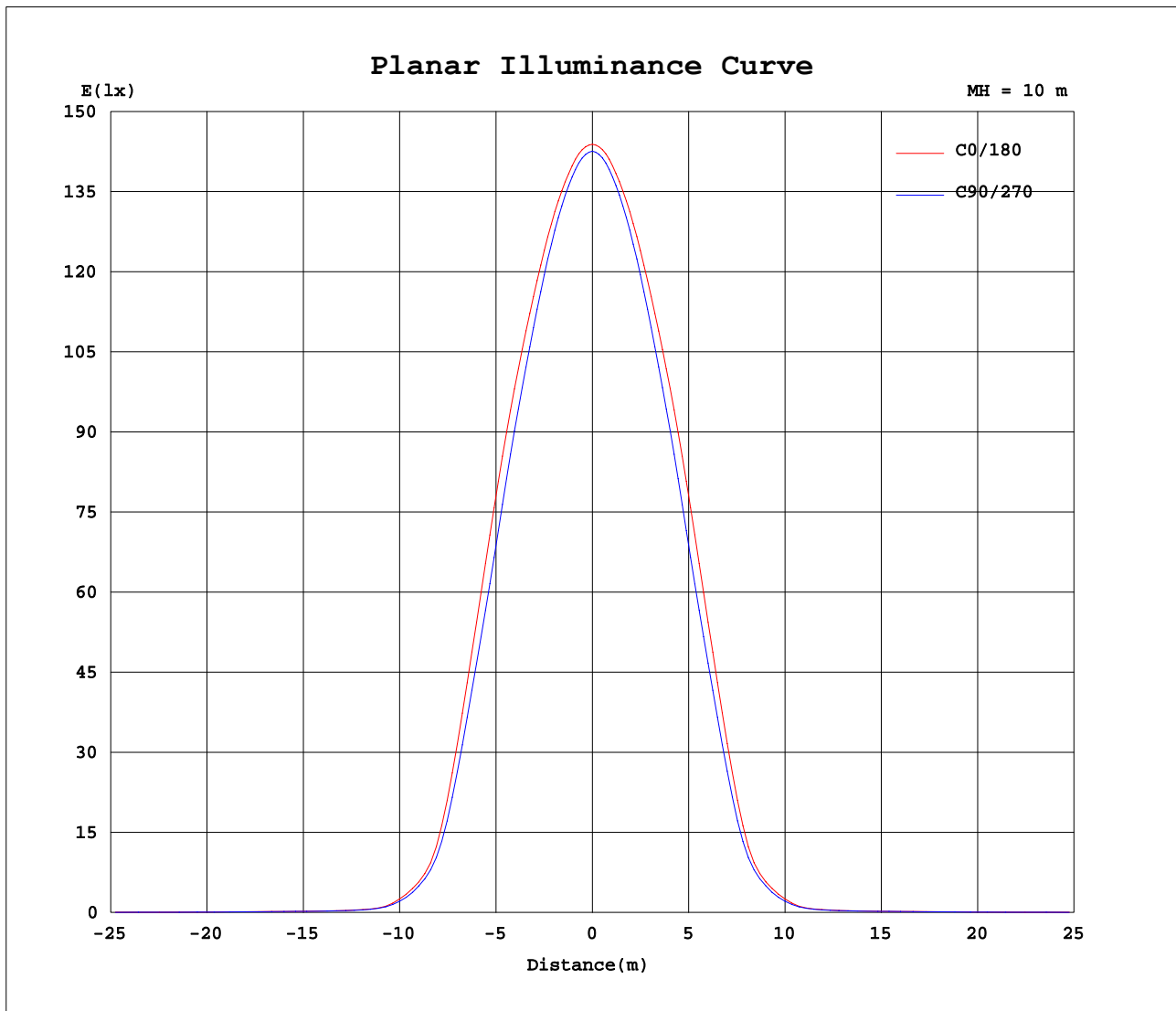
AvgL	cd/m2
L_0~180 (65) av	2815
L_0~180 (75) av	1893
L_0~180 (85) av	215
L_90~270 (65) av	2573
L_90~270 (75) av	1508
L_90~270 (85) av	104
L_45 (65) av	2581
L_45 (75) av	1741
L_45 (85) av	173

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-10-18

$\gamma$  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:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2018-10-18

$\gamma$  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:220.8V I:0.4611A P:100.3W PF:0.9852 Freq:49.99Hz Lamp Flux:13903x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-60D	DIM.: 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.14M	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	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430
5	1418	1415	1411	1410	1409	1411	1412	1411	1409	1410	1411	1415	1418	1415	1411	1410	1409	1411	1412
10	1387	1379	1370	1366	1362	1364	1367	1364	1362	1366	1370	1379	1387	1379	1370	1366	1362	1364	1367
15	1337	1324	1309	1300	1292	1292	1294	1292	1292	1300	1309	1324	1337	1324	1309	1300	1292	1292	1294
20	1263	1244	1220	1205	1190	1188	1189	1188	1190	1205	1220	1244	1263	1244	1220	1205	1190	1188	1189
25	1141	1115	1082	1061	1040	1034	1030	1034	1040	1061	1082	1115	1141	1115	1082	1061	1040	1034	1030
30	918	890	852	833	810	806	798	806	810	833	852	890	918	890	852	833	810	806	798
35	573	558	529	520	498	496	483	496	498	520	529	558	573	558	529	520	498	496	483
40	206	210	203	202	191	189	179	189	191	202	203	210	206	210	203	202	191	189	179
45	71.7	75.5	70.8	69.9	64.6	65.2	60.1	65.2	64.6	69.9	70.8	75.5	71.7	75.5	70.8	69.9	64.6	65.2	60.1
50	20.7	20.5	20.2	20.8	20.5	20.4	19.5	20.4	20.5	20.8	20.2	20.5	20.7	20.5	20.2	20.8	20.5	20.4	19.5
55	14.8	14.7	14.7	14.8	14.7	14.5	14.4	14.5	14.7	14.8	14.7	14.7	14.8	14.7	14.7	14.8	14.7	14.5	14.4
60	13.8	13.6	13.4	13.2	13.1	13.0	13.0	13.0	13.1	13.2	13.4	13.6	13.8	13.6	13.4	13.2	13.1	13.0	13.0
65	11.9	11.5	11.0	10.9	11.2	11.2	10.9	11.2	11.2	10.9	11.0	11.5	11.9	11.5	11.0	10.9	11.2	11.2	10.9
70	9.00	8.49	8.02	8.22	8.34	8.11	7.75	8.11	8.34	8.22	8.02	8.49	9.00	8.49	8.02	8.22	8.34	8.11	7.75
75	4.90	4.81	4.58	4.51	4.36	4.28	3.90	4.28	4.36	4.51	4.58	4.81	4.90	4.81	4.58	4.51	4.36	4.28	3.90
80	1.37	1.46	1.37	1.28	1.18	1.10	1.04	1.10	1.18	1.28	1.37	1.46	1.37	1.46	1.37	1.28	1.18	1.10	1.04
85	0.19	0.19	0.15	0.15	0.12	0.23	0.09	0.23	0.12	0.15	0.15	0.19	0.19	0.19	0.15	0.15	0.12	0.23	0.09
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:2018-10-18

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:220.8V I:0.4611A P:100.3W PF:0.9852 Freq:49.99Hz Lamp Flux:13903x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-60D	DIM.: 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.14M	Shielding Angle:

Table--2

UNIT: ×10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1430	1430	1430	1430	1430														
5	1411	1409	1410	1411	1415														
10	1364	1362	1366	1370	1379														
15	1292	1292	1300	1309	1324														
20	1188	1190	1205	1220	1244														
25	1034	1040	1061	1082	1115														
30	806	810	833	852	890														
35	496	498	520	529	558														
40	189	191	202	203	210														
45	65.2	64.6	69.9	70.8	75.5														
50	20.4	20.5	20.8	20.2	20.5														
55	14.5	14.7	14.8	14.7	14.7														
60	13.0	13.1	13.2	13.4	13.6														
65	11.2	11.2	10.9	11.0	11.5														
70	8.11	8.34	8.22	8.02	8.49														
75	4.28	4.36	4.51	4.58	4.81														
80	1.10	1.18	1.28	1.37	1.46														
85	0.23	0.12	0.15	0.15	0.19														
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:2018-10-18

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: