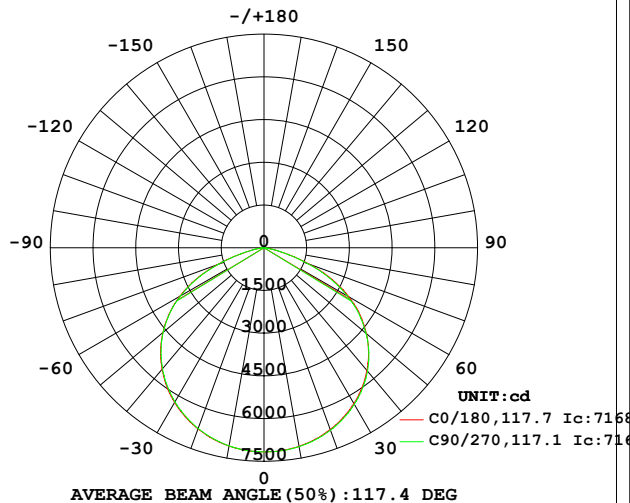


## LUMINAIRE PHOTOMETRIC TEST REPORT

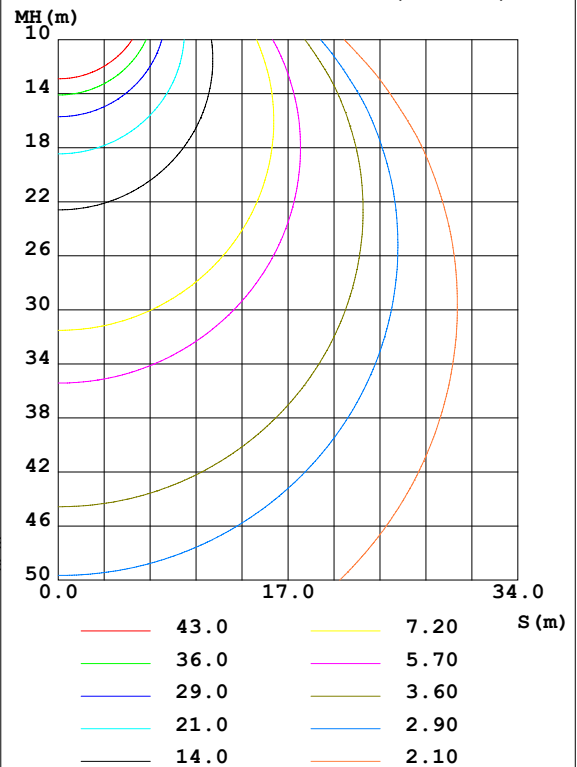
Test:U:219.4V I:0.4662A P:99.60W PF:0.9739 Freq:50.01Hz Lamp Flux:20627.6x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-A2-00-5070-120D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 207.10 lm/W			
MODEL	2835	I <sub>max</sub> (cd)	7169	S/MH (C0/180)	1.30
NOMINAL POWER (W)	100	LOR (%)	100.0	S/MH (C90/270)	1.30
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	20628	$\eta$ UP, DN (C0-180)	0.0, 50.1
NOMINAL FLUX (lm)	20627.6	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.0, 49.9
LAMPS INSIDE	1	$\eta$ up (%)	0.0	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	220	$\eta$ down (%)	100.0	CIBSE SHR MAX	1.50

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: yanyonggeng  
Test Date: 2024-8-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity: 65.0%  
Test Distance: 7.682m [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	7081	7094	7091	7083	7069	7058	7063	7069	0- 10	680.0	680.0	3.3,3.3
20	6795	6824	6821	6801	6769	6747	6756	6768	10- 20	1965	2645	12.8,12.8
30	6315	6358	6346	6321	6277	6244	6251	6274	20- 30	3028	5673	27.5,27.5
40	5623	5672	5656	5630	5569	5534	5543	5577	30- 40	3740	9413	45.6,45.6
50	4700	4748	4675	4708	4632	4604	4623	4657	40- 50	3982	13395	64.9,64.9
60	3435	3510	3369	3501	3411	3429	3376	3484	50- 60	3655	17049	82.7,82.7
70	1709	1733	1637	1788	1760	1748	1720	1796	60- 70	2601	19651	95.3,95.3
80	246.2	259.4	261.6	267.6	310.5	288.6	320.4	264.5	70- 80	903.7	20555	99.6,99.6
90	0	0	0	0	0	0	0	0	80- 90	73.12	20628	100,100
100	0	0	0	0	0	0	0	0	90-100	0	20628	100,100
110	0	0	0	0	0	0	0	0	100-110	0	20628	100,100
120	0	0	0	0	0	0	0	0	110-120	0	20628	100,100
130	0	0	0	0	0	0	0	0	120-130	0	20628	100,100
140	0	0	0	0	0	0	0	0	130-140	0	20628	100,100
150	0	0	0	0	0	0	0	0	140-150	0	20628	100,100
160	0	0	0	0	0	0	0	0	150-160	0	20628	100,100
170	0	0	0	0	0	0	0	0	160-170	0	20628	100,100
180	0	0	0	0	0	0	0	0	170-180	0	20628	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 11407 lm

%lum = 55.3%

%lamp = 55.3%

Conical surface Flux(120deg): 17049 lm

%lum = 82.7%

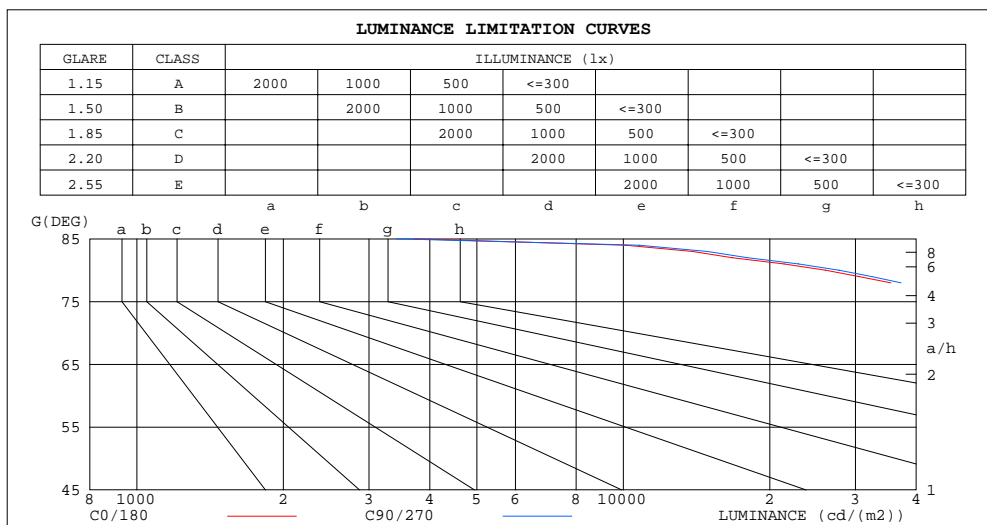
%lamp = 82.7%

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:219.4V I:0.4662A P:99.60W PF:0.9739 Freq:50.01Hz Lamp Flux:20627.6x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-A2-00-5070-120D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:



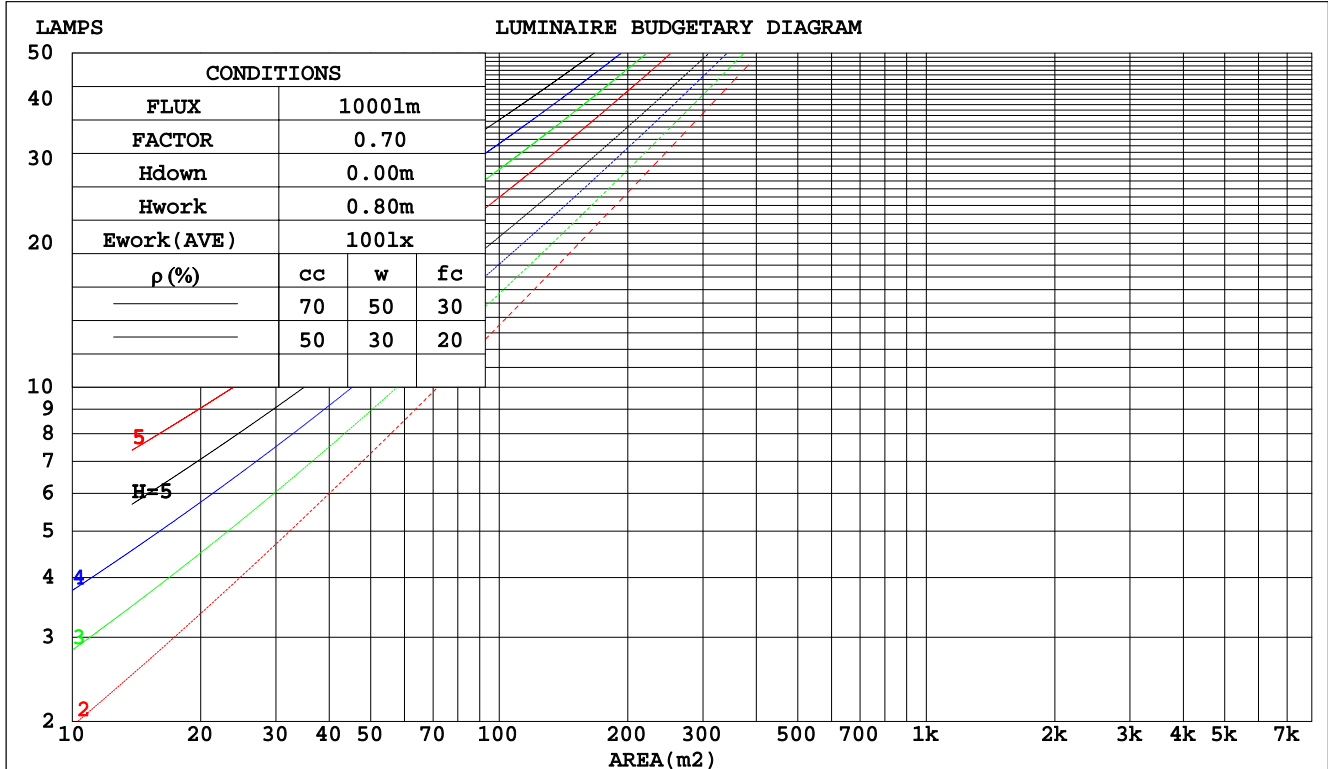
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-8-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity: 65.0%  
Test Distance: 7.682m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.4V I:0.4662A P:99.60W PF:0.9739 Freq:50.01Hz Lamp Flux:20627.6x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-A2-00-5070-120D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 263mm	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	.00
1.0	1.05	1.01	.98	1.03	.99	.96	.99	.96	.93	.95	.93	.90	.91	.89	.88	.86
2.0	.92	.86	.80	.90	.84	.79	.87	.82	.77	.83	.79	.76	.80	.77	.74	.72
3.0	.81	.73	.67	.79	.72	.66	.76	.70	.65	.74	.68	.64	.71	.67	.63	.61
4.0	.72	.63	.56	.70	.62	.56	.68	.61	.55	.66	.59	.55	.63	.58	.54	.52
5.0	.64	.55	.48	.63	.54	.48	.61	.53	.48	.59	.52	.47	.57	.51	.47	.45
6.0	.57	.49	.42	.56	.48	.42	.55	.47	.42	.53	.46	.41	.51	.46	.41	.39
7.0	.52	.43	.37	.51	.43	.37	.50	.42	.37	.48	.41	.36	.47	.41	.36	.34
8.0	.47	.39	.33	.47	.39	.33	.45	.38	.33	.44	.37	.33	.43	.37	.32	.30
9.0	.43	.35	.30	.43	.35	.30	.42	.34	.29	.41	.34	.29	.40	.34	.29	.27
10.0	.40	.32	.27	.39	.32	.27	.38	.31	.27	.38	.31	.27	.37	.31	.26	.25



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

## WEC AND CCEC

Test:U:219.4V I:0.4662A P:99.60W PF:0.9739 Freq:50.01Hz Lamp Flux:20627.6x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-A2-00-5070-120D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	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	.283	.161	.051	.276	.158	.050	.263	.151	.048	.251	.145	.046	.240	.139	.045		
2.0	.276	.151	.046	.270	.149	.046	.258	.143	.045	.247	.139	.043	.238	.134	.042		
3.0	.260	.138	.041	.254	.136	.041	.244	.132	.040	.235	.129	.039	.226	.125	.039		
4.0	.242	.126	.037	.238	.124	.037	.229	.121	.036	.220	.118	.036	.212	.115	.035		
5.0	.226	.115	.033	.222	.114	.033	.213	.111	.033	.206	.109	.032	.199	.106	.032		
6.0	.211	.106	.030	.207	.104	.030	.200	.102	.030	.193	.100	.029	.186	.098	.029		
7.0	.197	.097	.028	.193	.096	.027	.187	.094	.027	.181	.093	.027	.175	.091	.027		
8.0	.184	.090	.025	.181	.089	.025	.175	.088	.025	.170	.086	.025	.165	.085	.025		
9.0	.173	.084	.023	.170	.083	.023	.165	.082	.023	.160	.080	.023	.155	.079	.023		
10.0	.163	.078	.022	.160	.077	.022	.156	.076	.021	.151	.075	.021	.147	.074	.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	.178	.156	.136	.153	.134	.117	.104	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.170	.132	.100	.146	.114	.086	.100	.079	.060	.058	.046	.035	.018	.015	.012	
3.0	.163	.114	.076	.139	.099	.066	.096	.068	.046	.055	.040	.027	.018	.013	.009	
4.0	.155	.101	.059	.133	.087	.052	.092	.061	.036	.053	.036	.021	.017	.012	.007	
5.0	.148	.090	.048	.127	.078	.042	.088	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.141	.082	.040	.121	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.135	.075	.034	.116	.065	.029	.080	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.128	.069	.029	.110	.060	.025	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.122	.064	.025	.105	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.023	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

UGR(Unified Glare Rating) Table

Test:U:219.4V I:0.4662A P:99.60W PF:0.9739 Freq:50.01Hz Lamp Flux:20627.6x1 lm										
NAME: AOK HBE					TYPE:			WEIGHT:		
SPEC.:AOK-100WHBE-NV-A2-00-5070-120D-P					DIM.:			SERIAL No.:		
MFR.: AOK					SUR.: $\phi$ 263mm			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	30.1	31.6	30.4	31.8	32.0	30.0	31.5	30.3	31.7	32.0
3H	31.3	32.6	31.6	32.9	33.1	31.1	32.5	31.4	32.7	33.0
4H	31.4	32.7	31.7	33.0	33.2	31.3	32.6	31.6	32.9	33.1
6H	31.4	32.6	31.7	32.9	33.2	31.3	32.5	31.6	32.8	33.1
8H	31.4	32.5	31.7	32.8	33.1	31.2	32.4	31.6	32.7	33.0
12H	31.3	32.5	31.7	32.7	33.0	31.2	32.3	31.5	32.6	32.9
4H 2H	30.7	32.0	31.0	32.2	32.5	30.6	31.9	30.9	32.2	32.4
3H	31.9	33.0	32.2	33.3	33.6	31.8	32.9	32.1	33.2	33.5
4H	32.1	33.1	32.5	33.4	33.8	32.0	33.0	32.4	33.3	33.7
6H	32.1	33.0	32.5	33.4	33.7	32.0	32.9	32.4	33.3	33.6
8H	32.1	32.9	32.5	33.3	33.7	32.0	32.8	32.4	33.2	33.6
12H	32.0	32.8	32.5	33.2	33.6	31.9	32.7	32.4	33.1	33.5
8H 4H	32.1	33.0	32.5	33.3	33.7	32.0	32.8	32.4	33.2	33.6
6H	32.1	32.8	32.6	33.2	33.7	32.1	32.7	32.5	33.2	33.6
8H	32.1	32.7	32.6	33.2	33.6	32.0	32.6	32.5	33.1	33.5
12H	32.1	32.6	32.6	33.1	33.5	32.0	32.5	32.5	33.0	33.4
12H 4H	32.1	32.8	32.5	33.2	33.6	32.0	32.7	32.4	33.1	33.5
6H	32.1	32.7	32.6	33.1	33.6	32.0	32.6	32.5	33.1	33.5
8H	32.1	32.6	32.6	33.1	33.5	32.0	32.5	32.5	33.0	33.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.3				
1.5H	+ 0.3 / - 0.5					+ 0.3 / - 0.5				
2.0H	+ 0.3 / - 0.5					+ 0.4 / - 0.5				

CIE Pub.117, 20628 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 10.5$ )

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2024-8-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

Test:U:219.4V I:0.4662A P:99.60W PF:0.9739 Freq:50.01Hz Lamp Flux:20627.6x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-A2-00-5070-120D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 263mm	Shielding Angle:

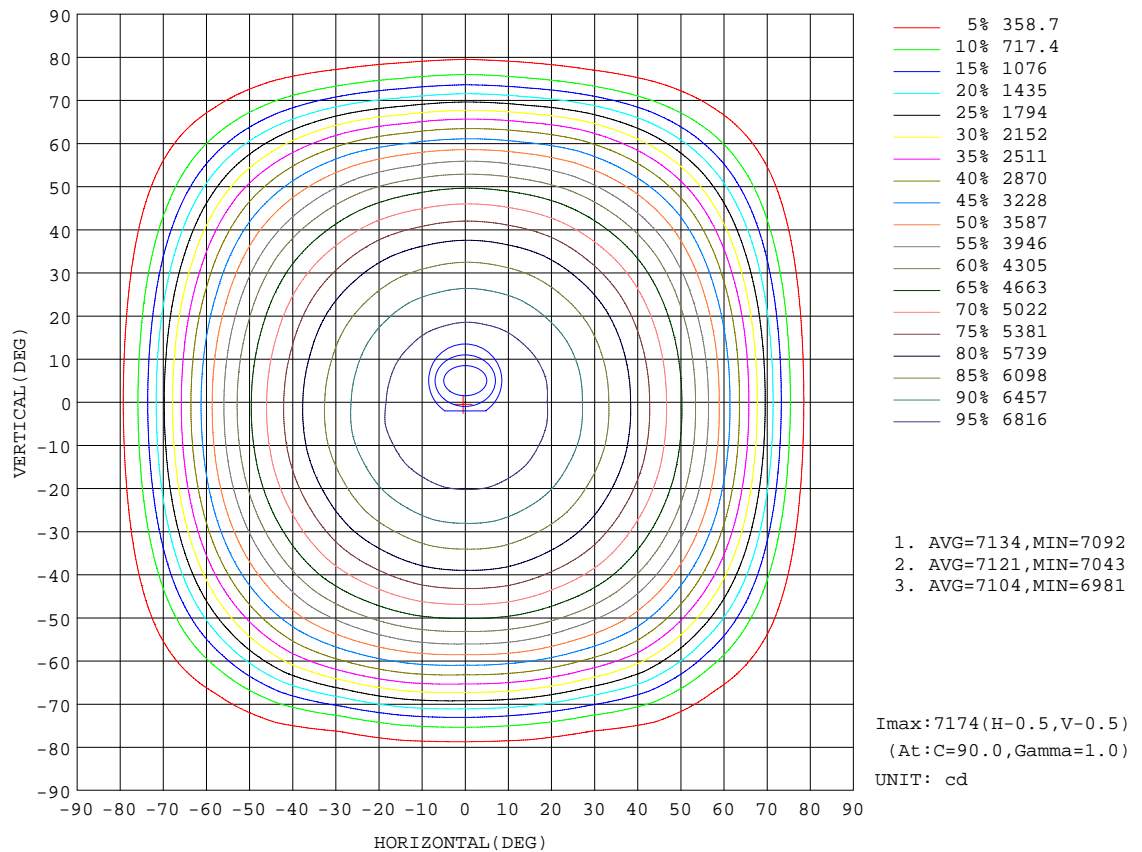
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	46	39	57	46	39	56	45	39	32
0.80	68	57	49	67	56	49	65	55	49	42
1.00	77	66	59	76	66	59	74	67	58	51
1.25	84	74	67	83	73	67	80	72	66	59
1.50	89	80	73	88	79	73	85	77	72	64
2.00	96	88	82	95	87	81	91	85	80	72
2.50	100	93	87	98	91	86	94	89	84	76
3.00	103	97	92	101	96	91	97	93	89	80
4.00	107	102	98	105	100	96	101	97	94	85
5.00	110	105	102	107	103	100	103	100	97	88
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:yanyonggeng  
 Test Date:2024-8-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

Test:U:219.4V I:0.4662A P:99.60W PF:0.9739 Freq:50.01Hz Lamp Flux:20627.6x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-A2-00-5070-120D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 263mm	Shielding Angle:



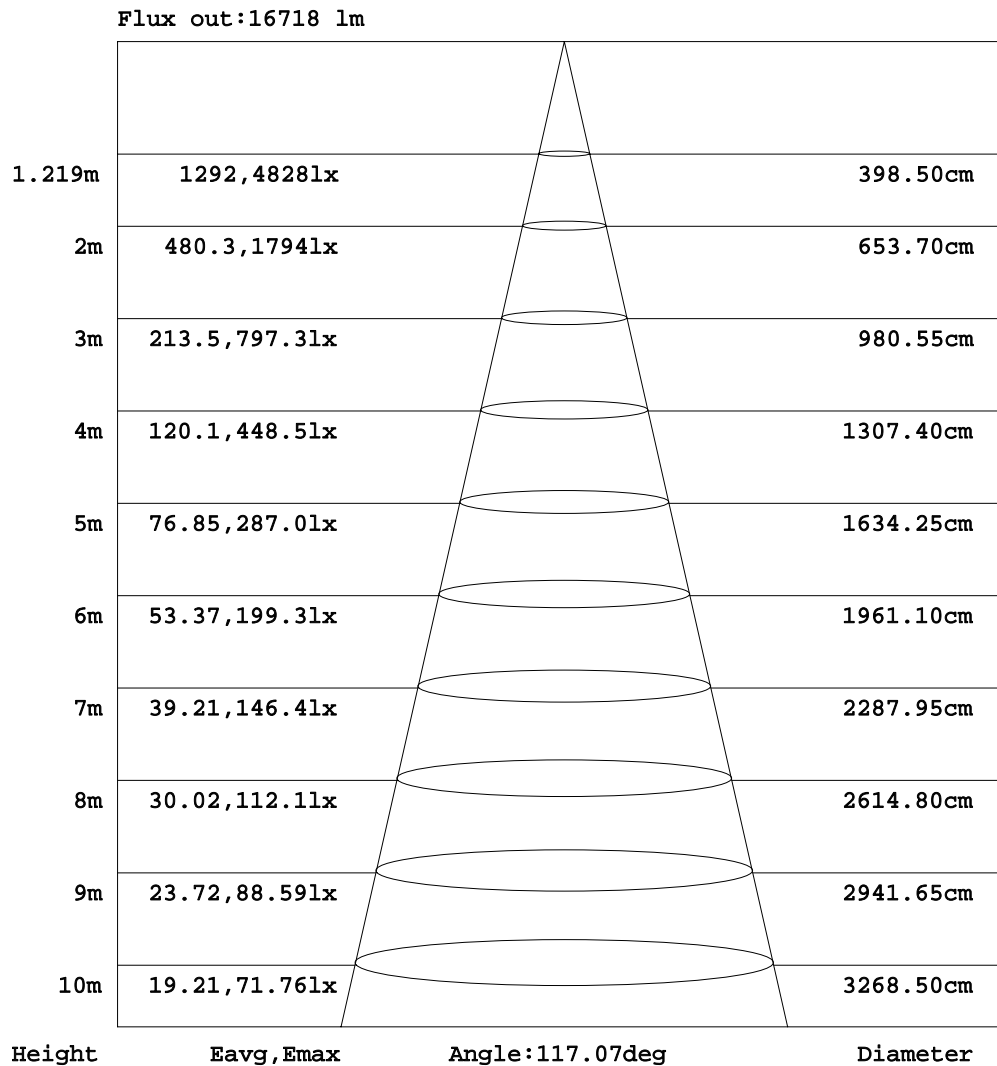
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:



## AAI Figure

Test:U:219.4V I:0.4662A P:99.60W PF:0.9739 Freq:50.01Hz Lamp Flux:20627.6x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-A2-00-5070-120D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:



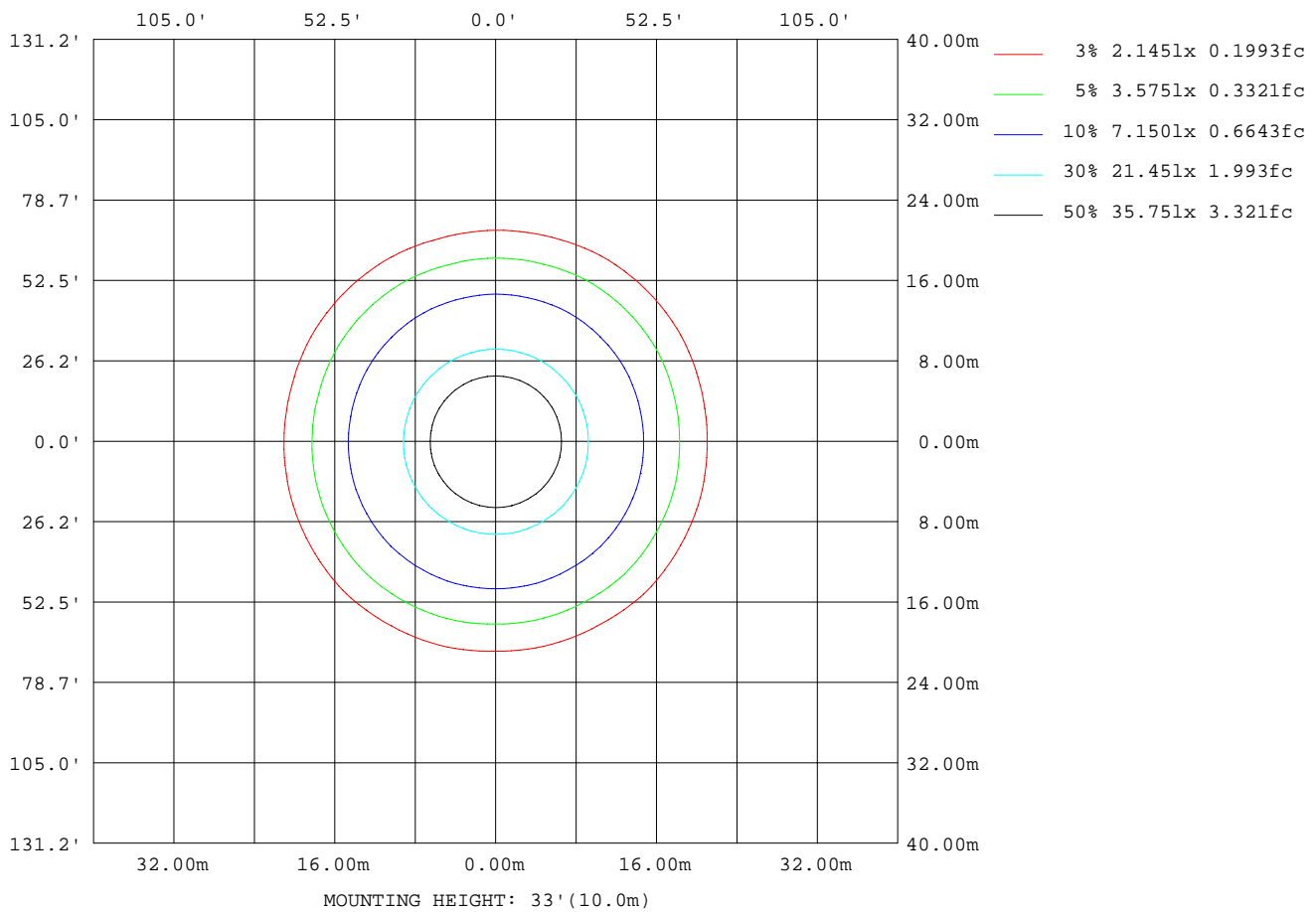
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

Test:U:219.4V I:0.4662A P:99.60W PF:0.9739 Freq:50.01Hz Lamp Flux:20627.6x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-A2-00-5070-120D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-8-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity: 65.0%  
Test Distance: 7.682m [K=1.0000]  
Remarks:

## LED Avg.L Report

Test:U:219.4V I:0.4662A P:99.60W PF:0.9739 Freq:50.01Hz Lamp Flux:20627.6x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-A2-00-5070-120D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

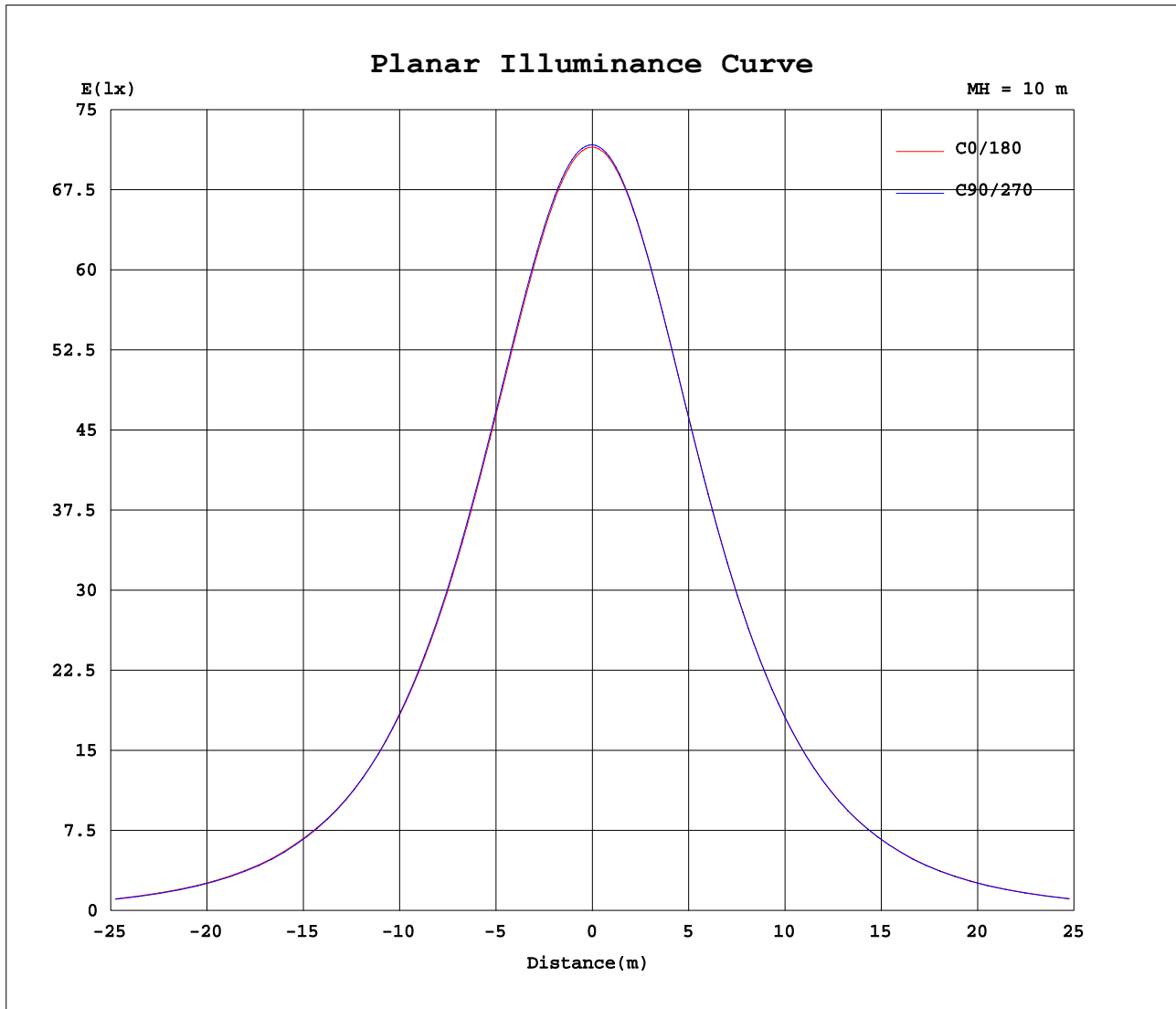
AvgL	cd/m2
L_0~180 (65) av	115346
L_0~180 (75) av	57833
L_0~180 (85) av	7368
L_90~270 (65) av	112829
L_90~270 (75) av	57945
L_90~270 (85) av	8019
L_45 (65) av	118180
L_45 (75) av	56429
L_45 (85) av	7952

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-8-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity: 65.0%  
Test Distance: 7.682m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.4V I:0.4662A P:99.60W PF:0.9739 Freq:50.01Hz Lamp Flux:20627.6x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-A2-00-5070-120D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 263mm	Shielding Angle:

Table--1

UNIT: cd

C (DEG) $\gamma$ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	7168	7168	7168	7168	7168	7168	7168	7168	7168	7168	7168	7168	7168	7168	7168	7168	7168	7168	7168
5	7150	7153	7153	7155	7154	7156	7154	7153	7151	7150	7146	7145	7143	7141	7140	7139	7139	7138	7141
10	7081	7088	7089	7094	7093	7097	7091	7091	7086	7083	7075	7072	7069	7063	7062	7058	7060	7058	7063
15	6961	6974	6975	6984	6983	6988	6979	6981	6969	6966	6954	6950	6945	6935	6934	6928	6930	6926	6933
20	6795	6810	6811	6824	6822	6829	6821	6820	6806	6801	6783	6777	6769	6757	6756	6747	6752	6746	6756
25	6579	6598	6600	6615	6611	6620	6608	6608	6590	6585	6563	6556	6546	6530	6529	6519	6523	6514	6524
30	6315	6338	6339	6358	6351	6362	6346	6348	6327	6321	6293	6287	6277	6257	6257	6244	6248	6238	6251
35	5998	6024	6025	6043	6037	6048	6031	6035	6011	6004	5972	5962	5950	5928	5929	5916	5919	5907	5923
40	5623	5654	5653	5672	5663	5675	5656	5660	5635	5630	5596	5584	5569	5544	5547	5534	5538	5527	5543
45	5190	5226	5224	5243	5224	5232	5209	5221	5198	5200	5162	5150	5134	5107	5111	5096	5104	5090	5112
50	4700	4739	4737	4748	4712	4711	4675	4706	4695	4708	4668	4652	4632	4611	4624	4604	4614	4600	4623
55	4126	4166	4171	4175	4115	4106	4083	4110	4117	4149	4108	4089	4071	4049	4067	4055	4064	4027	4050
60	3435	3494	3489	3510	3431	3407	3369	3425	3457	3501	3468	3441	3411	3390	3437	3429	3419	3363	3376
65	2645	2678	2674	2708	2604	2592	2567	2636	2669	2734	2691	2669	2651	2633	2679	2672	2652	2581	2613
70	1709	1713	1666	1733	1619	1645	1637	1698	1678	1788	1729	1739	1760	1721	1761	1748	1719	1664	1720
75	775	728	689	770	702	743	770	769	710	790	748	795	851	790	797	812	797	796	859
80	246	238	196	259	202	246	262	260	218	268	227	274	310	281	266	289	274	288	320
85	17.6	15.7	15.8	17.6	15.1	15.9	16.2	20.6	19.7	38.1	29.4	40.6	52.1	42.2	45.5	60.2	46.3	42.3	59.7
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: yanyonggeng  
 Test Date: 2024-8-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity: 65.0%  
 Test Distance: 7.682m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.4V I:0.4662A P:99.60W PF:0.9739 Freq:50.01Hz Lamp Flux:20627.6x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-A2-00-5070-120D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:Φ263mm	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	7168	7168	7168	7168	7168														
5	7140	7143	7144	7147	7148														
10	7062	7069	7069	7076	7077														
15	6932	6942	6942	6953	6955														
20	6755	6766	6768	6782	6787														
25	6524	6541	6544	6562	6567														
30	6250	6271	6274	6298	6301														
35	5924	5949	5953	5977	5980														
40	5547	5573	5577	5600	5604														
45	5114	5146	5145	5168	5171														
50	4625	4659	4657	4682	4680														
55	4053	4112	4109	4133	4106														
60	3395	3480	3484	3501	3438														
65	2631	2723	2737	2729	2658														
70	1699	1774	1796	1772	1707														
75	801	797	801	782	763														
80	286	260	265	245	243														
85	40.2	36.4	34.7	28.2	18.1														
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:yanyonggeng  
Test Date:2024-8-24

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks: