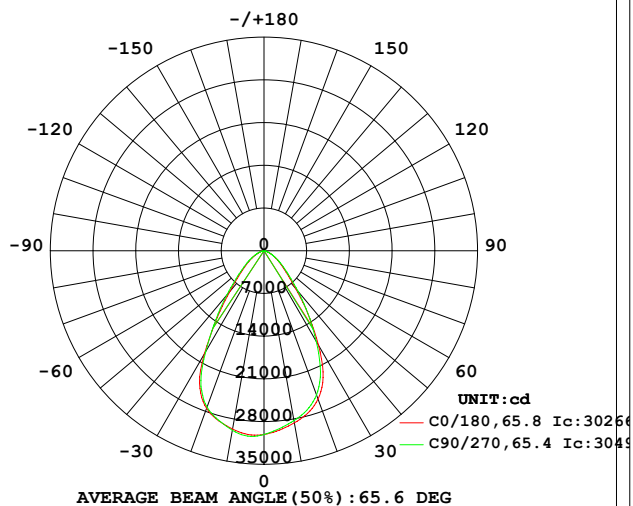


## LUMINAIRE PHOTOMETRIC TEST REPORT

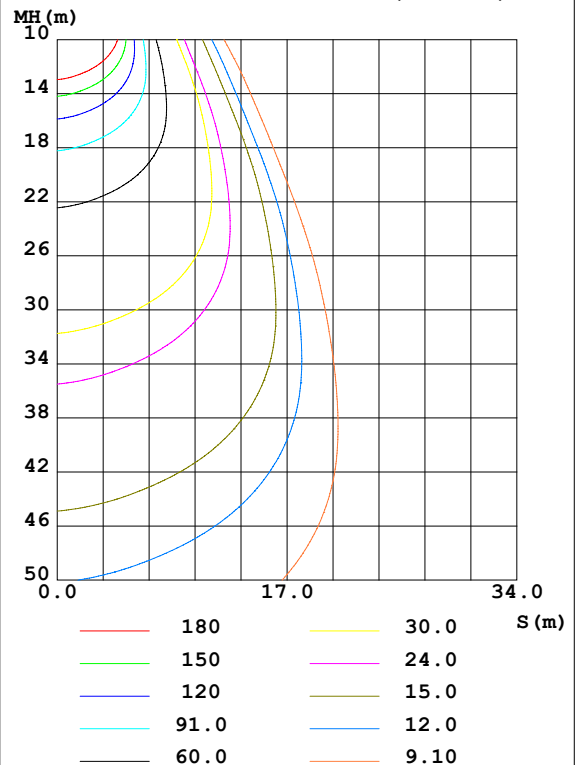
Test:U:219.2V I:0.9196A P:199.6W PF:0.9901 Freq:50.01Hz Lamp Flux:38622.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-A2-00-5070-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 193.50 lm/W			
MODEL	2835	I <sub>max</sub> (cd)	30629	S/MH (C0/180)	0.98
NOMINAL POWER (W)	200	LOR (%)	100.0	S/MH (C90/270)	0.99
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	38623	$\eta$ UP,DN (C0-180)	0.0,48.4
NOMINAL FLUX (lm)	38622.5	CIE CLASS	DIRECT	$\eta$ UP,DN (C180-360)	0.0,51.6
LAMPS INSIDE	1	$\eta$ up (%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE (V)	220	$\eta$ down (%)	100.0	CIBSE SHR MAX	1.00

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	2864	2819	2826	2880	2968	3005	2987	2927	0- 10	2825	2825	7.31,7.31
20	2589	2507	2515	2623	2748	2754	2728	2675	10- 20	7879	10703	27.7,27.7
30	1785	1704	1713	1831	1957	1919	1912	1853	20- 30	10564	21268	55.1,55.1
40	807.0	817.9	866.9	850.7	871.9	927.6	948.1	861.9	30- 40	8118	29386	76.1,76.1
50	387.3	366.6	418.3	409.8	416.2	417.3	452.8	409.5	40- 50	4640	34026	88.1,88.1
60	192.5	181.0	205.7	203.6	209.6	203.0	225.2	201.4	50- 60	2683	36708	95,95
70	76.78	73.06	79.40	82.42	85.82	83.48	90.20	81.63	60- 70	1352	38060	98.5,98.5
80	18.60	17.53	19.35	20.02	23.25	22.68	24.86	19.64	70- 80	494.8	38555	99.8,99.8
90	0	0	0	0	0	0	0	0	80- 90	67.40	38623	100,100
100	0	0	0	0	0	0	0	0	90-100	0	38623	100,100
110	0	0	0	0	0	0	0	0	100-110	0	38623	100,100
120	0	0	0	0	0	0	0	0	110-120	0	38623	100,100
130	0	0	0	0	0	0	0	0	120-130	0	38623	100,100
140	0	0	0	0	0	0	0	0	130-140	0	38623	100,100
150	0	0	0	0	0	0	0	0	140-150	0	38623	100,100
160	0	0	0	0	0	0	0	0	150-160	0	38623	100,100
170	0	0	0	0	0	0	0	0	160-170	0	38623	100,100
180	0	0	0	0	0	0	0	0	170-180	0	38623	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 32030 lm

%lum = 82.9%

%lamp = 82.9%

Conical surface Flux(120deg): 36708 lm

%lum = 95.0%

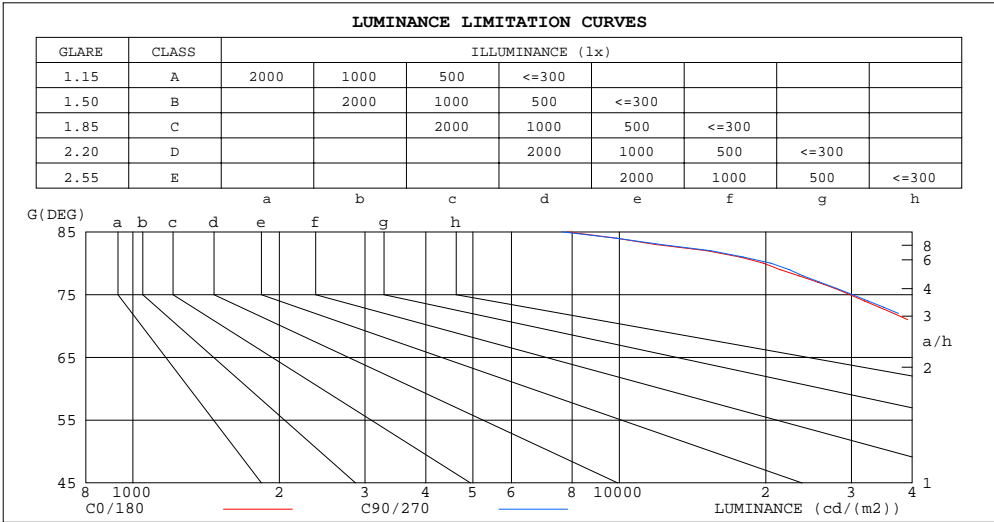
%lamp = 95.0%

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:219.2V I:0.9196A P:199.6W PF:0.9901 Freq:50.01Hz Lamp Flux:38622.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-A2-00-5070-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:Φ263mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	7807	7610
80	19788	20498
75	29758	30117
70	41483	42701
65	54967	57500
60	71140	75684
55	89712	96378
50	111334	119700
45	141684	153429

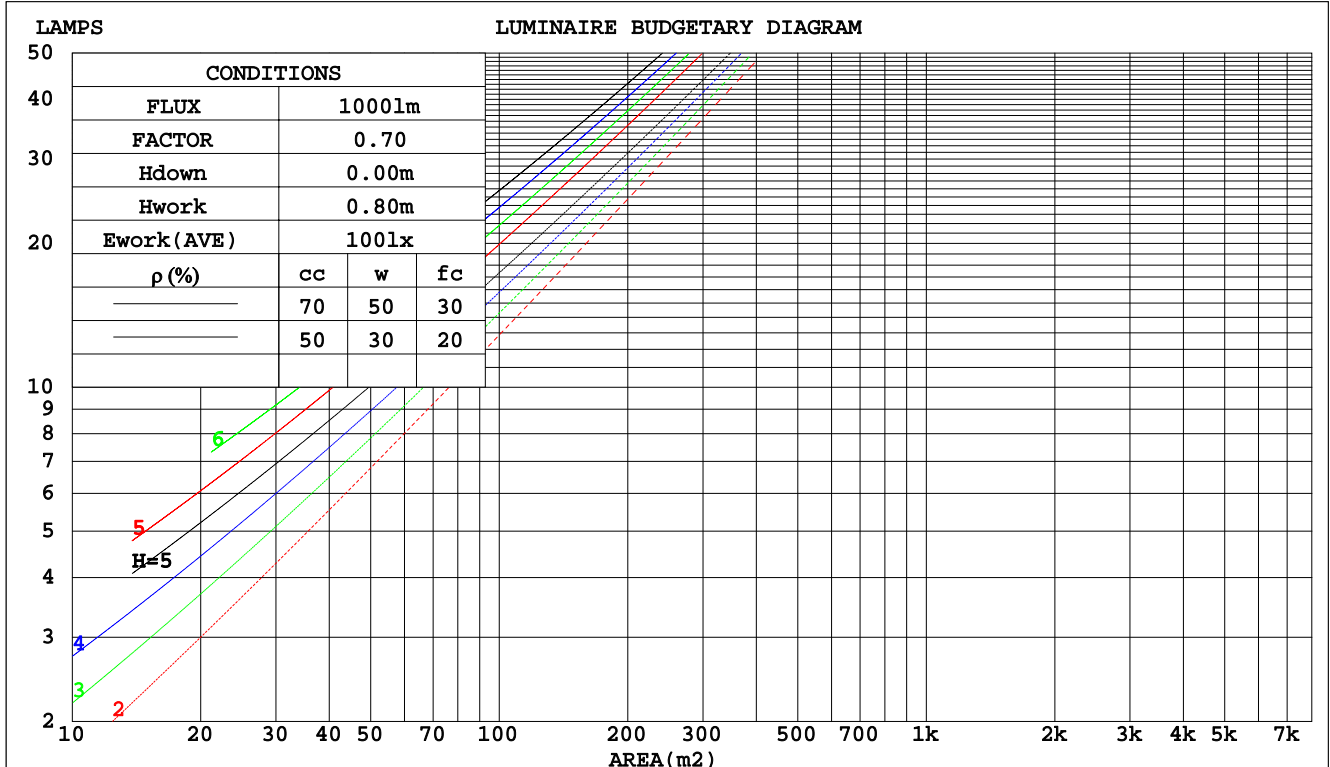
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-24

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:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.2V I:0.9196A P:199.6W PF:0.9901 Freq:50.01Hz Lamp Flux:38622.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-A2-00-5070-60D-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	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	1.09	1.06	1.03	1.07	1.04	1.02	1.03	1.00	.99	.99	.97	.96	.95	.94	.93	.91
2.0	.99	.95	.90	.98	.93	.89	.94	.91	.87	.91	.88	.86	.88	.86	.84	.82
3.0	.91	.85	.80	.90	.84	.80	.87	.82	.78	.84	.80	.77	.82	.79	.76	.74
4.0	.84	.77	.72	.82	.76	.71	.80	.75	.71	.78	.73	.70	.76	.72	.69	.67
5.0	.77	.70	.65	.76	.70	.65	.74	.68	.64	.72	.67	.64	.71	.66	.63	.61
6.0	.71	.64	.59	.70	.64	.59	.69	.63	.59	.67	.62	.58	.66	.61	.58	.56
7.0	.66	.59	.54	.65	.59	.54	.64	.58	.54	.63	.57	.54	.62	.57	.53	.52
8.0	.62	.55	.50	.61	.54	.50	.60	.54	.50	.59	.53	.49	.58	.53	.49	.48
9.0	.58	.51	.46	.57	.51	.46	.56	.50	.46	.55	.50	.46	.54	.49	.46	.44
10.0	.54	.47	.43	.54	.47	.43	.53	.47	.43	.52	.47	.43	.51	.46	.43	.41



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:219.2V I:0.9196A P:199.6W PF:0.9901 Freq:50.01Hz Lamp Flux:38622.5x1 lm					
NAME: AOK HBE			TYPE:		WEIGHT:
SPEC.:AOK-200WHBE-NV-A2-00-5070-60D-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	.213	.121	.038	.206	.118	.037	.193	.111	.035	.181	.105	.034	.171	.099	.032	
2.0	.206	.113	.035	.200	.110	.034	.189	.105	.033	.179	.100	.031	.170	.096	.030	
3.0	.196	.104	.031	.191	.102	.031	.181	.098	.030	.172	.095	.029	.164	.091	.028	
4.0	.185	.096	.028	.181	.095	.028	.173	.092	.027	.165	.089	.027	.158	.086	.026	
5.0	.175	.089	.026	.171	.088	.026	.164	.086	.025	.157	.083	.025	.151	.081	.024	
6.0	.166	.083	.024	.163	.082	.024	.156	.080	.023	.150	.078	.023	.145	.076	.023	
7.0	.157	.078	.022	.154	.077	.022	.149	.075	.022	.143	.073	.021	.138	.072	.021	
8.0	.149	.073	.021	.147	.072	.020	.142	.071	.020	.137	.069	.020	.132	.068	.020	
9.0	.142	.069	.019	.140	.068	.019	.135	.067	.019	.131	.066	.019	.127	.064	.019	
10.0	.135	.065	.018	.133	.064	.018	.129	.063	.018	.125	.062	.018	.121	.061	.018	

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	.142	.149	.135	.122	.102	.093	.085	.058	.054	.049	.019	.017	.016	
2.0	.161	.132	.108	.138	.114	.094	.094	.079	.065	.054	.046	.038	.017	.015	.012	
3.0	.150	.114	.085	.129	.098	.074	.088	.068	.052	.051	.040	.030	.016	.013	.010	
4.0	.141	.100	.068	.121	.086	.059	.083	.060	.041	.048	.035	.025	.015	.011	.008	
5.0	.133	.088	.055	.114	.076	.048	.079	.053	.034	.046	.031	.020	.015	.010	.007	
6.0	.126	.079	.046	.108	.069	.040	.075	.048	.028	.043	.028	.017	.014	.009	.006	
7.0	.120	.072	.039	.103	.063	.034	.071	.044	.024	.041	.026	.014	.013	.008	.005	
8.0	.114	.066	.033	.098	.057	.029	.068	.040	.021	.040	.024	.012	.013	.008	.004	
9.0	.109	.061	.029	.094	.053	.025	.065	.037	.018	.038	.022	.011	.012	.007	.004	
10.0	.104	.057	.025	.090	.049	.022	.062	.035	.016	.036	.021	.009	.012	.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:219.2V I:0.9196A P:199.6W PF:0.9901 Freq:50.01Hz Lamp Flux:38622.5x1 lm										
NAME: AOK HBE					TYPE:			WEIGHT:		
SPEC.:AOK-200WHBE-NV-A2-00-5070-60D-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	26.6	27.8	26.9	27.9	28.1	27.0	28.1	27.2	28.3	28.5
3H	26.9	28.0	27.2	28.2	28.4	27.3	28.3	27.5	28.5	28.7
4H	27.0	28.0	27.3	28.2	28.4	27.3	28.3	27.6	28.5	28.7
6H	26.9	27.9	27.3	28.1	28.4	27.3	28.2	27.6	28.5	28.7
8H	26.9	27.8	27.2	28.1	28.3	27.2	28.1	27.6	28.4	28.7
12H	26.9	27.7	27.2	28.0	28.3	27.2	28.1	27.5	28.3	28.6
4H 2H	26.7	27.7	27.0	27.9	28.2	27.0	28.0	27.3	28.2	28.5
3H	27.1	28.0	27.4	28.2	28.5	27.4	28.3	27.7	28.5	28.8
4H	27.2	28.0	27.5	28.3	28.6	27.5	28.3	27.8	28.6	28.9
6H	27.2	27.9	27.6	28.2	28.6	27.5	28.2	27.9	28.5	28.9
8H	27.2	27.8	27.6	28.2	28.5	27.5	28.1	27.9	28.5	28.8
12H	27.1	27.7	27.6	28.1	28.5	27.4	28.0	27.8	28.4	28.8
8H 4H	27.1	27.8	27.5	28.1	28.5	27.4	28.1	27.8	28.4	28.8
6H	27.2	27.7	27.6	28.1	28.5	27.5	28.0	27.9	28.4	28.8
8H	27.2	27.6	27.6	28.0	28.5	27.4	27.9	27.9	28.3	28.8
12H	27.1	27.5	27.6	28.0	28.4	27.4	27.8	27.9	28.2	28.7
12H 4H	27.1	27.7	27.5	28.1	28.5	27.4	28.0	27.8	28.3	28.7
6H	27.1	27.6	27.6	28.0	28.5	27.4	27.9	27.9	28.3	28.7
8H	27.1	27.5	27.6	28.0	28.4	27.4	27.8	27.9	28.2	28.7
Variations with the observer position at spacings:										
S = 1.0H	+ 1.1 / - 1.5					+ 1.0 / - 1.5				
1.5H	+ 1.7 / - 0.9					+ 1.5 / - 1.0				
2.0H	+ 1.9 / - 1.7					+ 2.1 / - 1.8				

CIE Pub.117, 38623 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 12.7$ )

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:

## UTILIZATION FACTORS TABLE

Test:U:219.2V I:0.9196A P:199.6W PF:0.9901 Freq:50.01Hz Lamp Flux:38622.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-A2-00-5070-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

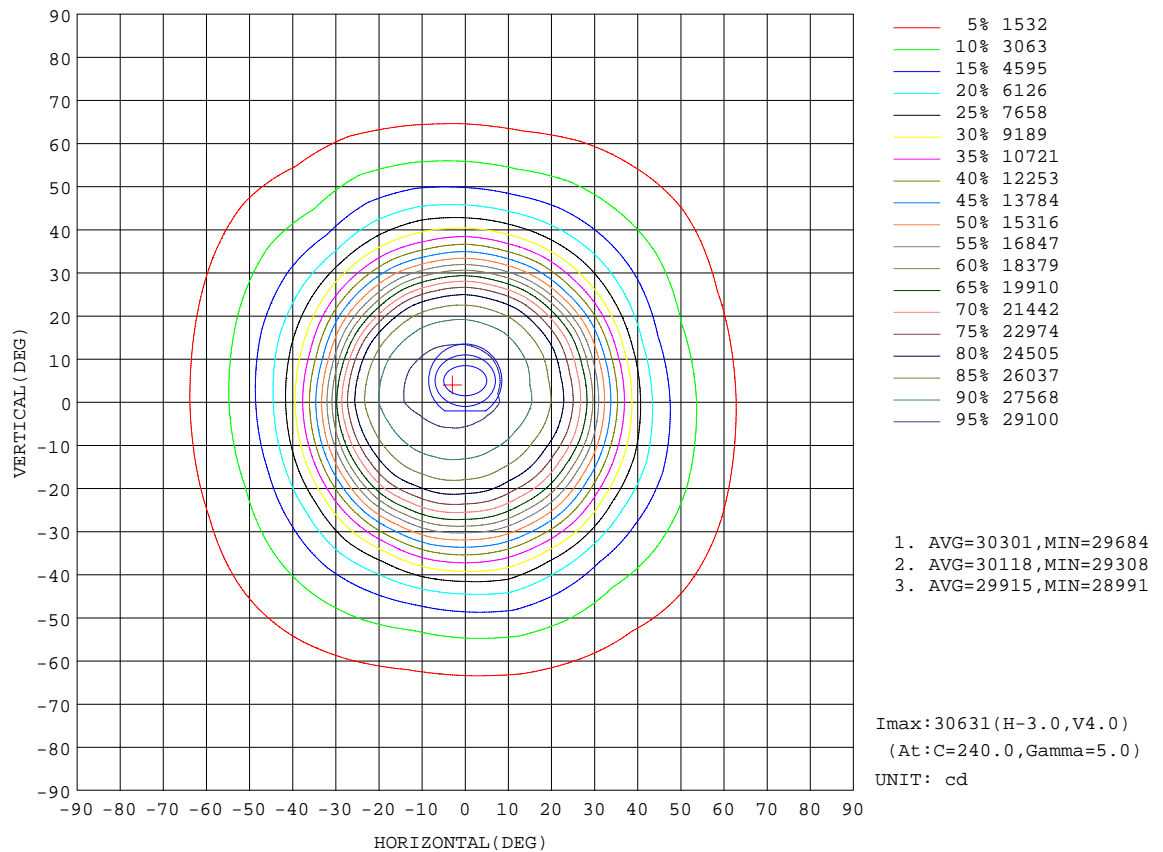
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	76	68	63	76	68	63	75	68	63	58
0.80	85	77	72	84	77	72	83	76	72	67
1.00	92	84	79	91	84	79	89	84	79	74
1.25	97	90	85	96	89	85	93	88	84	79
1.50	100	94	90	99	93	89	97	92	88	83
2.00	105	99	95	103	98	94	100	96	93	87
2.50	107	102	98	105	101	97	102	98	95	89
3.00	109	105	101	107	103	100	104	100	98	91
4.00	112	108	105	109	106	104	106	103	101	93
5.00	113	110	108	111	108	106	107	105	103	95
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:219.2V I:0.9196A P:199.6W PF:0.9901 Freq:50.01Hz Lamp Flux:38622.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-A2-00-5070-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 263mm	Shielding Angle:



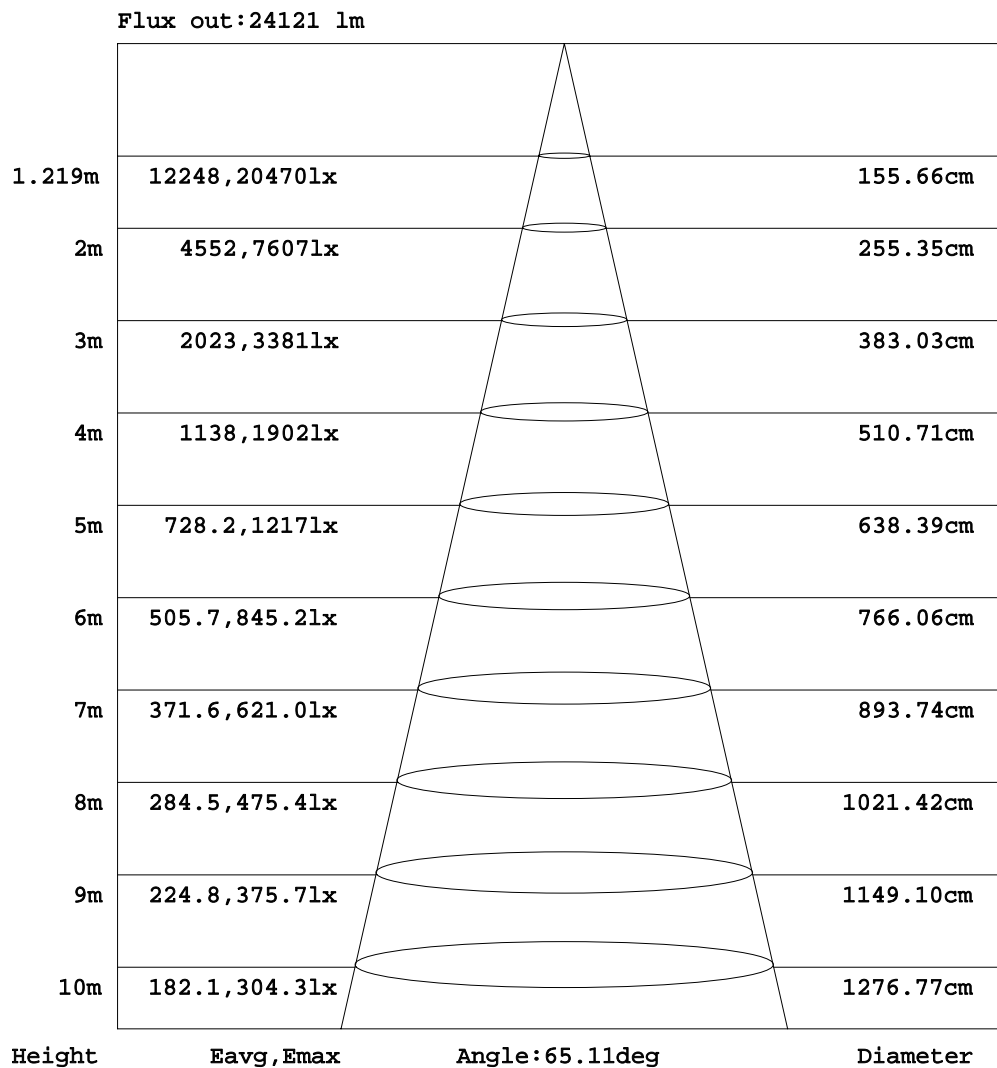
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-24

$\gamma$  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:219.2V I:0.9196A P:199.6W PF:0.9901 Freq:50.01Hz Lamp Flux:38622.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-A2-00-5070-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:



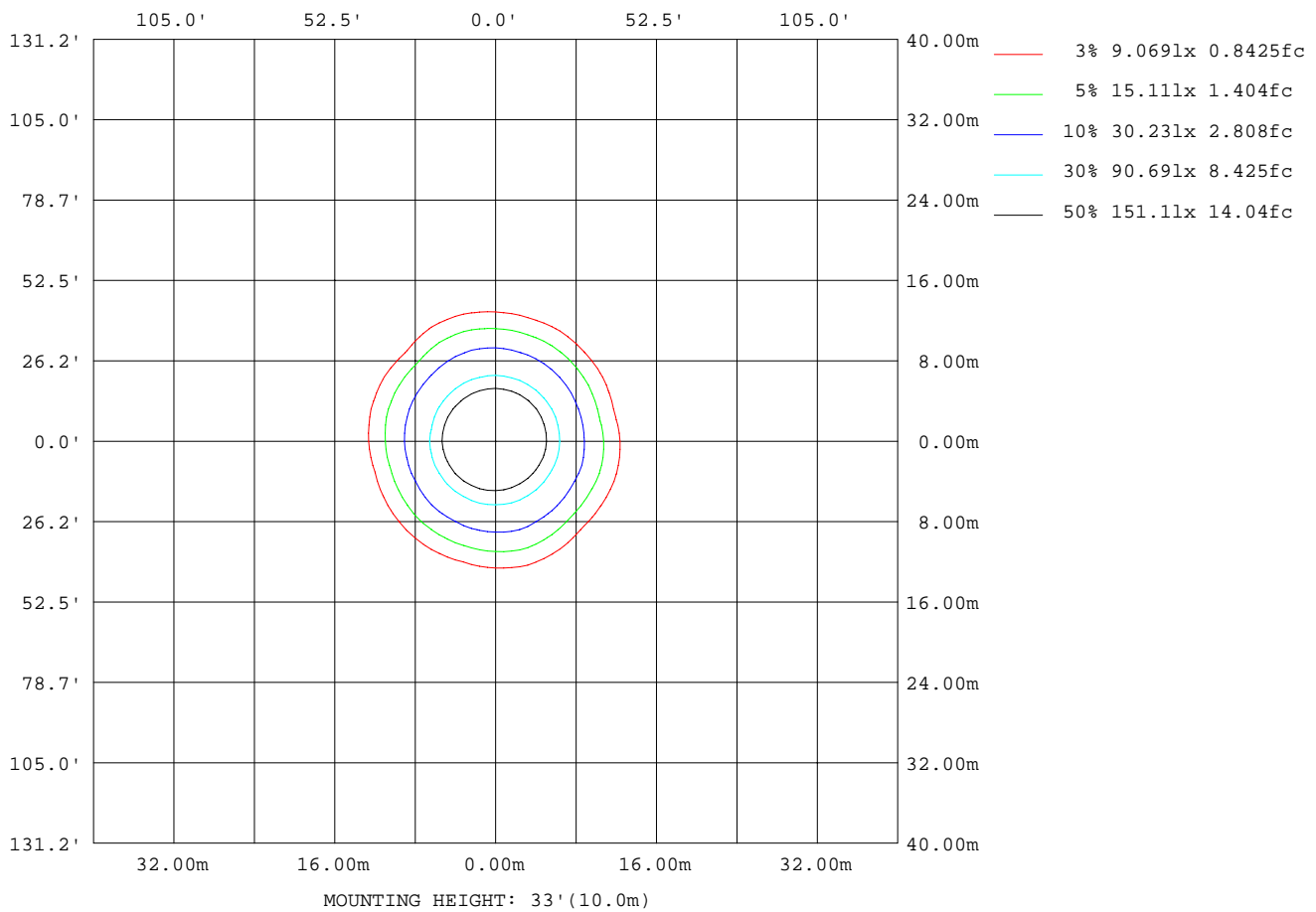
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:219.2V I:0.9196A P:199.6W PF:0.9901 Freq:50.01Hz Lamp Flux:38622.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-A2-00-5070-60D-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:219.2V I:0.9196A P:199.6W PF:0.9901 Freq:50.01Hz Lamp Flux:38622.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-A2-00-5070-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

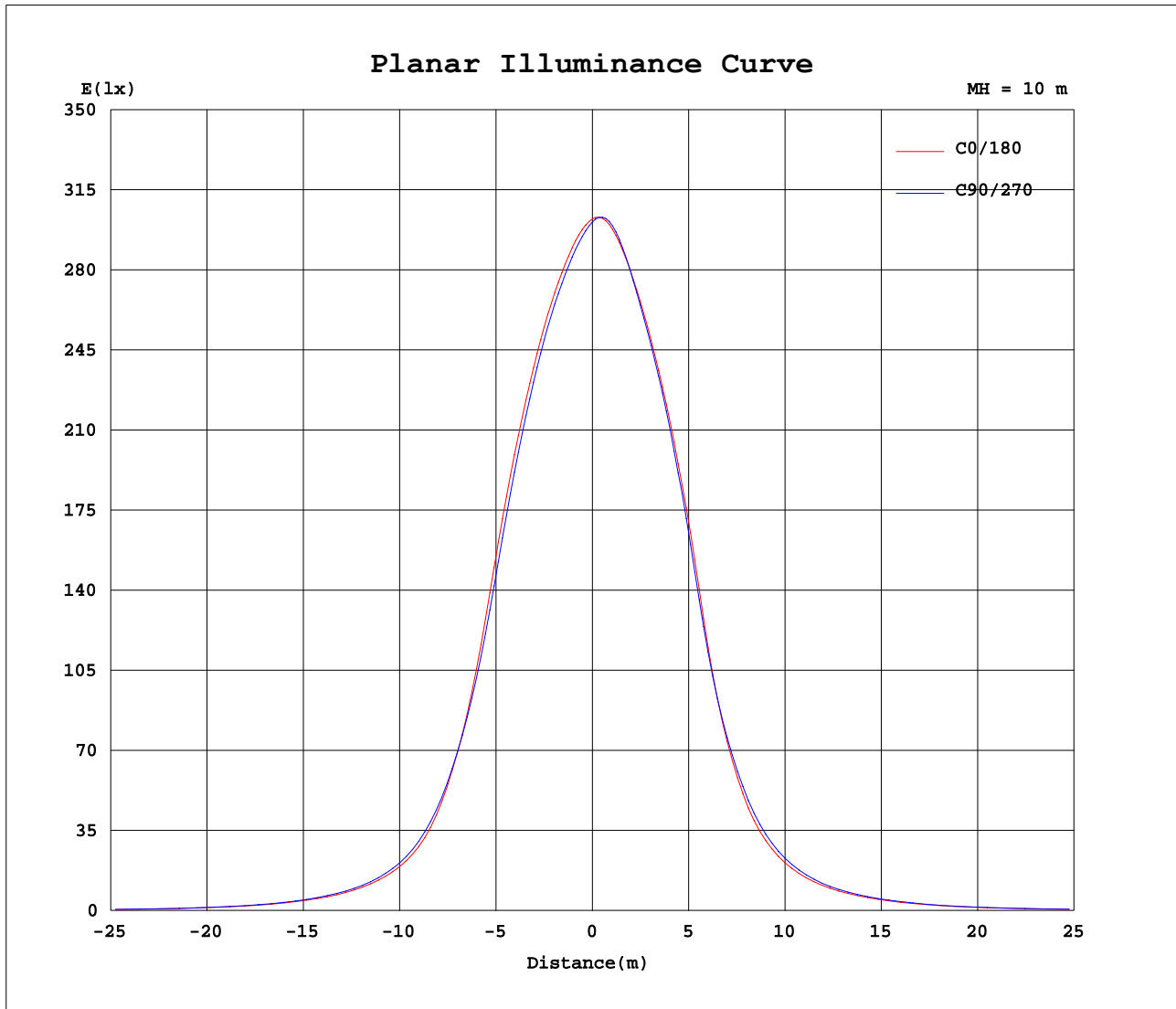
AvgL	cd/m2
L_0~180 (65) av	57362
L_0~180 (75) av	32042
L_0~180 (85) av	9717
L_90~270 (65) av	60809
L_90~270 (75) av	33092
L_90~270 (85) av	10421
L_45 (65) av	56344
L_45 (75) av	31135
L_45 (85) av	9991

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:219.2V I:0.9196A P:199.6W PF:0.9901 Freq:50.01Hz Lamp Flux:38622.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-A2-00-5070-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 263mm	Shielding Angle:

Table--1

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

C (DEG) $\gamma$ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	3012	3012	3012	3012	3012	3012	3012	3012	3012	3012	3012	3012	3012	3012	3012	3012	3012	3012	3012
5	2949	2936	2925	2919	2916	2919	2924	2933	2946	2962	2979	3001	3022	3037	3053	3059	3063	3057	3049
10	2864	2845	2829	2819	2816	2820	2826	2840	2856	2880	2904	2935	2968	2984	3003	3005	3008	2995	2987
15	2759	2733	2707	2696	2690	2698	2707	2726	2748	2781	2811	2847	2883	2894	2905	2897	2896	2881	2875
20	2589	2552	2517	2507	2490	2510	2515	2545	2574	2623	2660	2706	2748	2756	2766	2754	2753	2735	2728
25	2292	2255	2196	2183	2160	2184	2190	2236	2268	2339	2378	2440	2488	2488	2492	2476	2482	2448	2449
30	1785	1754	1700	1704	1693	1717	1713	1749	1765	1831	1857	1913	1957	1930	1945	1919	1943	1911	1912
35	1251	1222	1208	1229	1228	1253	1261	1267	1250	1271	1293	1323	1337	1311	1363	1368	1387	1360	1373
40	807	816	791	818	831	883	867	861	831	851	831	858	872	885	913	928	952	954	948
45	542	560	531	528	569	615	590	575	567	580	561	567	588	620	618	607	659	674	647
50	387	399	381	367	406	434	418	400	407	410	401	394	416	440	439	417	470	476	453
55	278	286	276	262	292	310	301	285	294	294	290	281	301	313	317	294	339	340	325
60	192	197	191	181	200	213	206	195	202	204	202	194	210	216	221	203	235	234	225
65	126	128	124	119	128	136	132	127	131	133	132	129	138	141	144	134	152	151	147
70	76.8	78.2	75.1	73.1	76.4	81.5	79.4	77.3	79.0	82.4	81.0	80.8	85.8	87.0	88.8	83.5	93.2	91.7	90.2
75	41.7	42.0	39.7	39.7	40.2	43.4	42.4	42.3	42.1	43.9	44.4	46.1	48.4	49.0	50.3	47.6	52.1	51.3	50.7
80	18.6	17.8	16.2	17.5	16.2	18.9	19.4	19.0	17.5	20.0	18.9	21.3	23.2	22.7	22.9	22.7	24.1	24.2	24.9
85	3.68	2.73	2.98	3.34	2.87	2.43	3.61	2.86	3.46	4.53	4.16	4.11	5.52	3.82	5.19	6.26	5.94	4.52	6.26
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:219.2V I:0.9196A P:199.6W PF:0.9901 Freq:50.01Hz Lamp Flux:38622.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-A2-00-5070-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

Table--2

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

$\gamma$ (DEG) \ C (DEG)	285	300	315	330	345														
0	3012	3012	3012	3012	3012														
5	3032	3017	2997	2980	2961														
10	2967	2952	2927	2906	2879														
15	2861	2853	2830	2808	2778														
20	2708	2703	2675	2651	2609														
25	2420	2423	2384	2366	2309														
30	1875	1877	1853	1853	1800														
35	1336	1327	1281	1289	1257														
40	915	894	862	827	805														
45	619	606	583	554	522														
50	431	431	410	394	364														
55	305	309	292	285	259														
60	209	213	201	197	179														
65	136	139	132	129	119														
70	83.4	84.9	81.6	79.9	73.8														
75	47.2	47.1	43.9	43.9	41.2														
80	22.2	20.4	19.6	18.4	18.9														
85	4.16	4.99	4.79	4.09	2.76														
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

$\gamma$  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: