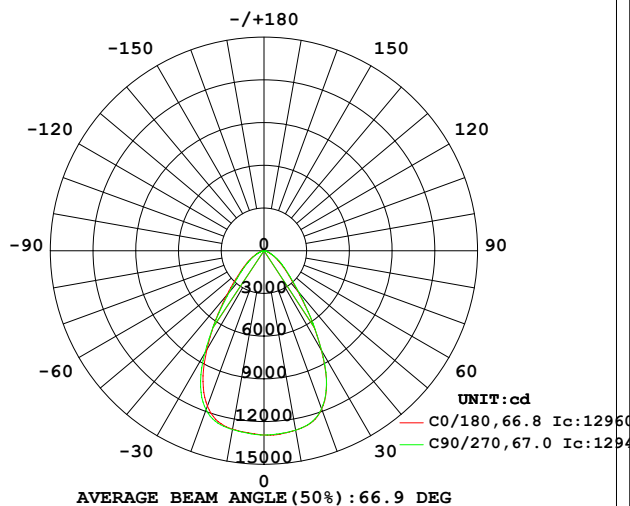


## LUMINAIRE PHOTOMETRIC TEST REPORT

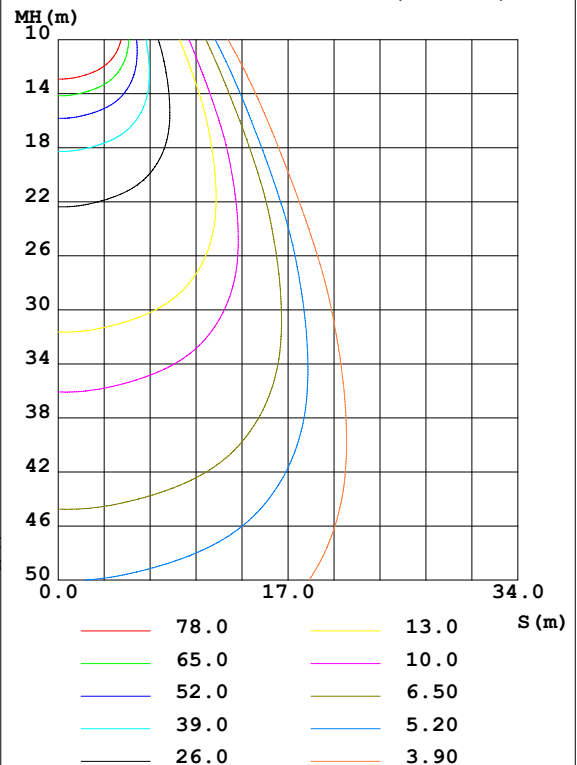
Test:U:219.2V I:0.4574A P:97.55W PF:0.9728 Freq:50.00Hz Lamp Flux:17036.8x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-L2-00-4080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 174.64 lm/W			
MODEL	2835	I <sub>max</sub> (cd)	12962	S/MH (C0/180)	0.99
NOMINAL POWER (W)	100	LOR (%)	100.0	S/MH (C90/270)	0.99
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	17037	$\eta$ UP,DN (C0-180)	0.0,50.2
NOMINAL FLUX (lm)	17036.8	CIE CLASS	DIRECT	$\eta$ UP,DN (C180-360)	0.0,49.8
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:2024-10-29

$\gamma$  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	1280	1283	1279	1269	1272	1275	1275	1274	0- 10	1225	1225	7.19,7.19
20	1184	1199	1182	1162	1162	1181	1189	1174	10- 20	3507	4733	27.8,27.8
30	805.8	819.9	809.2	797.4	803.5	817.4	832.5	788.7	20- 30	4672	9404	55.2,55.2
40	368.5	374.2	379.6	402.6	407.3	377.7	377.7	383.0	30- 40	3589	12993	76.3,76.3
50	177.2	172.4	186.9	206.9	196.2	172.5	181.7	186.3	40- 50	2045	15038	88.3,88.3
60	84.56	84.35	92.63	103.0	97.27	85.04	88.45	89.22	50- 60	1171	16209	95.1,95.1
70	32.33	34.31	37.28	41.75	39.11	34.69	34.28	33.63	60- 70	583.4	16792	98.6,98.6
80	8.094	8.798	10.65	12.28	11.75	8.638	8.447	6.880	70- 80	213.1	17005	99.8,99.8
90	0	0	0	0	0	0	0	0	80- 90	31.72	17037	100,100
100	0	0	0	0	0	0	0	0	90-100	0	17037	100,100
110	0	0	0	0	0	0	0	0	100-110	0	17037	100,100
120	0	0	0	0	0	0	0	0	110-120	0	17037	100,100
130	0	0	0	0	0	0	0	0	120-130	0	17037	100,100
140	0	0	0	0	0	0	0	0	130-140	0	17037	100,100
150	0	0	0	0	0	0	0	0	140-150	0	17037	100,100
160	0	0	0	0	0	0	0	0	150-160	0	17037	100,100
170	0	0	0	0	0	0	0	0	160-170	0	17037	100,100
180	0	0	0	0	0	0	0	0	170-180	0	17037	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 14160 lm

%lum = 83.1%

%lamp = 83.1%

Conical surface Flux(120deg): 16209 lm

%lum = 95.1%

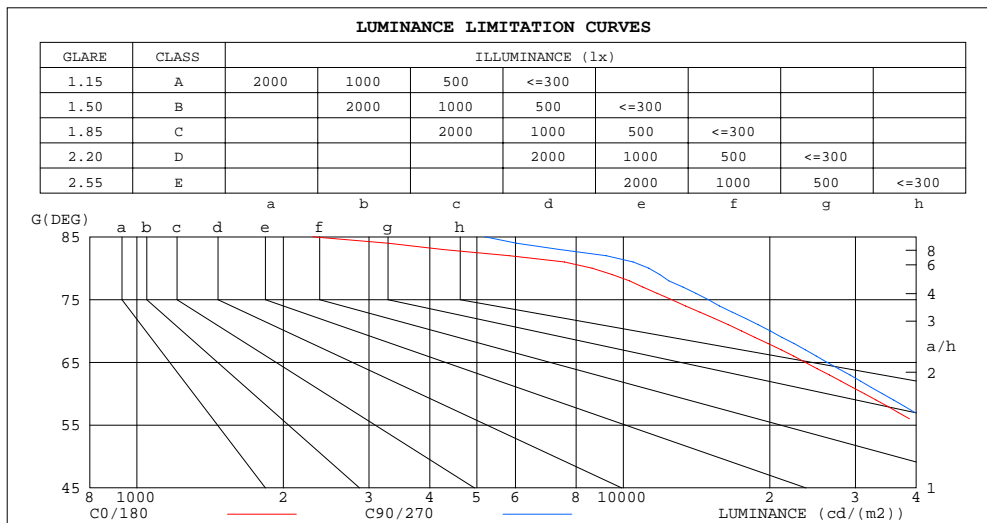
%lamp = 95.1%

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-10-29

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  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:0.4574A P:97.55W PF:0.9728 Freq:50.00Hz Lamp Flux:17036.8x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-L2-00-4080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:



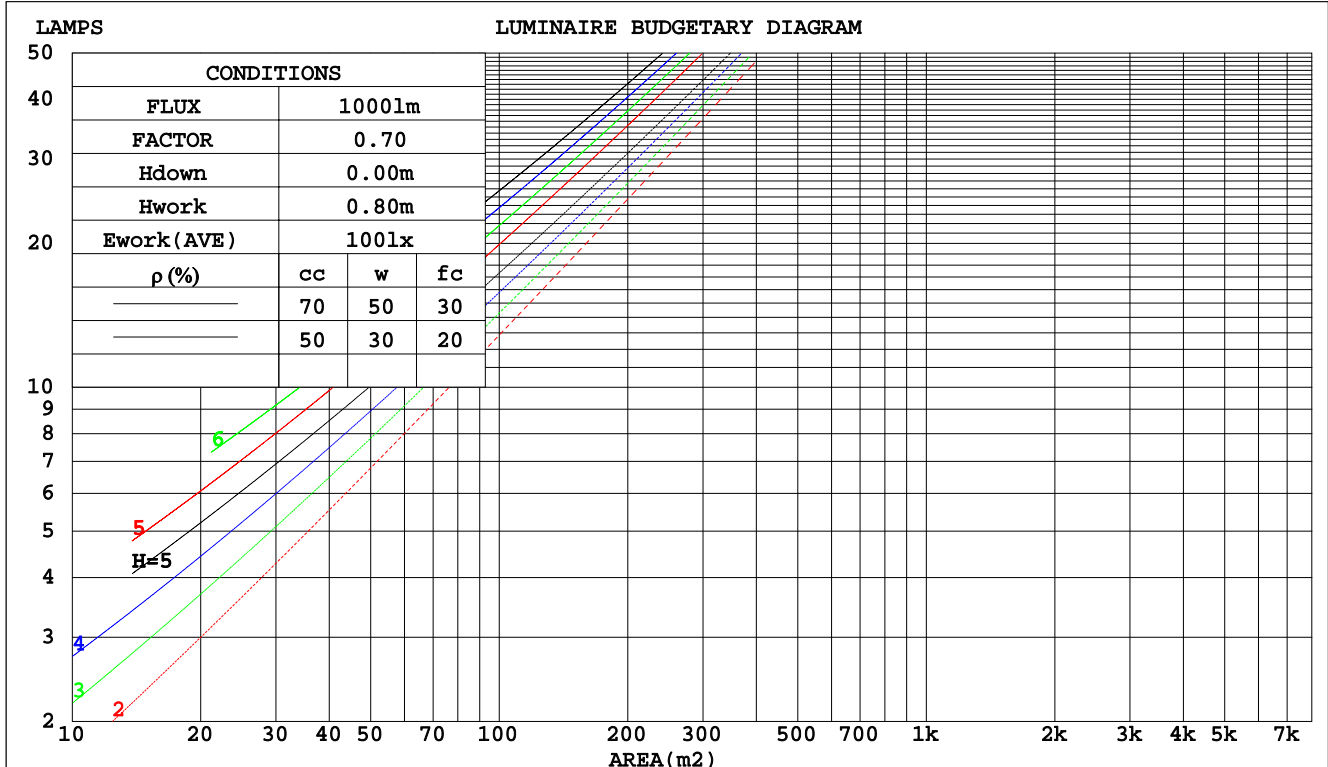
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-10-29

$\gamma$  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:219.2V I:0.4574A P:97.55W PF:0.9728 Freq:50.00Hz Lamp Flux:17036.8x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-L2-00-4080-60D-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	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	1.09	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	.91	.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	.72	.80	.75	.71	.78	.73	.70	.76	.72	.69	.67
5.0	.77	.70	.65	.76	.70	.65	.74	.69	.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	.66	.59	.54	.64	.58	.54	.63	.58	.54	.62	.57	.53	.52
8.0	.62	.55	.50	.61	.55	.50	.60	.54	.50	.59	.53	.50	.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	.48	.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: 2024-10-29

$\gamma$  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:0.4574A P:97.55W PF:0.9728 Freq:50.00Hz Lamp Flux:17036.8x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-L2-00-4080-60D-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	.117	.037	.193	.111	.035	.181	.105	.034	.170	.099	.032		
2.0	.205	.113	.035	.200	.110	.034	.189	.105	.033	.179	.100	.031	.169	.096	.030		
3.0	.195	.104	.031	.190	.102	.031	.181	.098	.030	.172	.094	.029	.164	.091	.028		
4.0	.185	.096	.028	.181	.095	.028	.172	.091	.027	.165	.088	.027	.158	.086	.026		
5.0	.175	.089	.026	.171	.088	.026	.164	.085	.025	.157	.083	.025	.151	.081	.024		
6.0	.166	.083	.024	.162	.082	.024	.156	.080	.023	.150	.078	.023	.144	.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	.042	.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	.039	.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:2024-10-29

$\gamma$  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:0.4574A P:97.55W PF:0.9728 Freq:50.00Hz Lamp Flux:17036.8x1 lm										
NAME: AOK HBE					TYPE:			WEIGHT:		
SPEC.:AOK-100WHBE-NV-L2-00-4080-60D-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	23.9	25.1	24.2	25.3	25.4	24.2	25.3	24.4	25.5	25.7
3H	24.2	25.2	24.5	25.5	25.7	24.5	25.6	24.8	25.8	26.0
4H	24.2	25.2	24.5	25.5	25.7	24.6	25.6	24.9	25.8	26.0
6H	24.2	25.1	24.5	25.4	25.6	24.6	25.5	24.9	25.7	26.0
8H	24.2	25.1	24.5	25.3	25.6	24.5	25.4	24.9	25.7	26.0
12H	24.1	25.0	24.5	25.3	25.5	24.5	25.4	24.8	25.6	25.9
4H 2H	24.0	25.0	24.3	25.3	25.5	24.3	25.2	24.5	25.5	25.7
3H	24.4	25.2	24.7	25.5	25.8	24.7	25.5	25.0	25.8	26.1
4H	24.5	25.2	24.8	25.5	25.9	24.8	25.6	25.1	25.9	26.2
6H	24.5	25.2	24.9	25.5	25.9	24.8	25.5	25.2	25.9	26.2
8H	24.5	25.1	24.9	25.4	25.8	24.8	25.5	25.2	25.8	26.2
12H	24.4	25.0	24.8	25.4	25.8	24.8	25.4	25.2	25.7	26.1
8H 4H	24.4	25.1	24.8	25.4	25.8	24.7	25.4	25.1	25.7	26.1
6H	24.5	25.0	24.9	25.4	25.8	24.8	25.3	25.2	25.7	26.1
8H	24.5	24.9	24.9	25.3	25.8	24.8	25.3	25.3	25.7	26.1
12H	24.4	24.8	24.9	25.2	25.7	24.8	25.2	25.3	25.6	26.1
12H 4H	24.4	25.0	24.8	25.3	25.7	24.7	25.3	25.1	25.6	26.0
6H	24.4	24.9	24.9	25.3	25.8	24.8	25.2	25.2	25.6	26.1
8H	24.4	24.8	24.9	25.3	25.7	24.8	25.2	25.3	25.6	26.1
Variations with the observer position at spacings:										
S = 1.0H	+ 1.1 / - 1.5					+ 1.0 / - 1.4				
1.5H	+ 1.6 / - 0.9					+ 1.5 / - 0.9				
2.0H	+ 1.9 / - 1.7					+ 1.9 / - 1.7				

CIE Pub.117, 17037 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 9.9$ )

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2024-10-29

$\gamma$  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:0.4574A P:97.55W PF:0.9728 Freq:50.00Hz Lamp Flux:17036.8x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-L2-00-4080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 263mm	Shielding Angle:

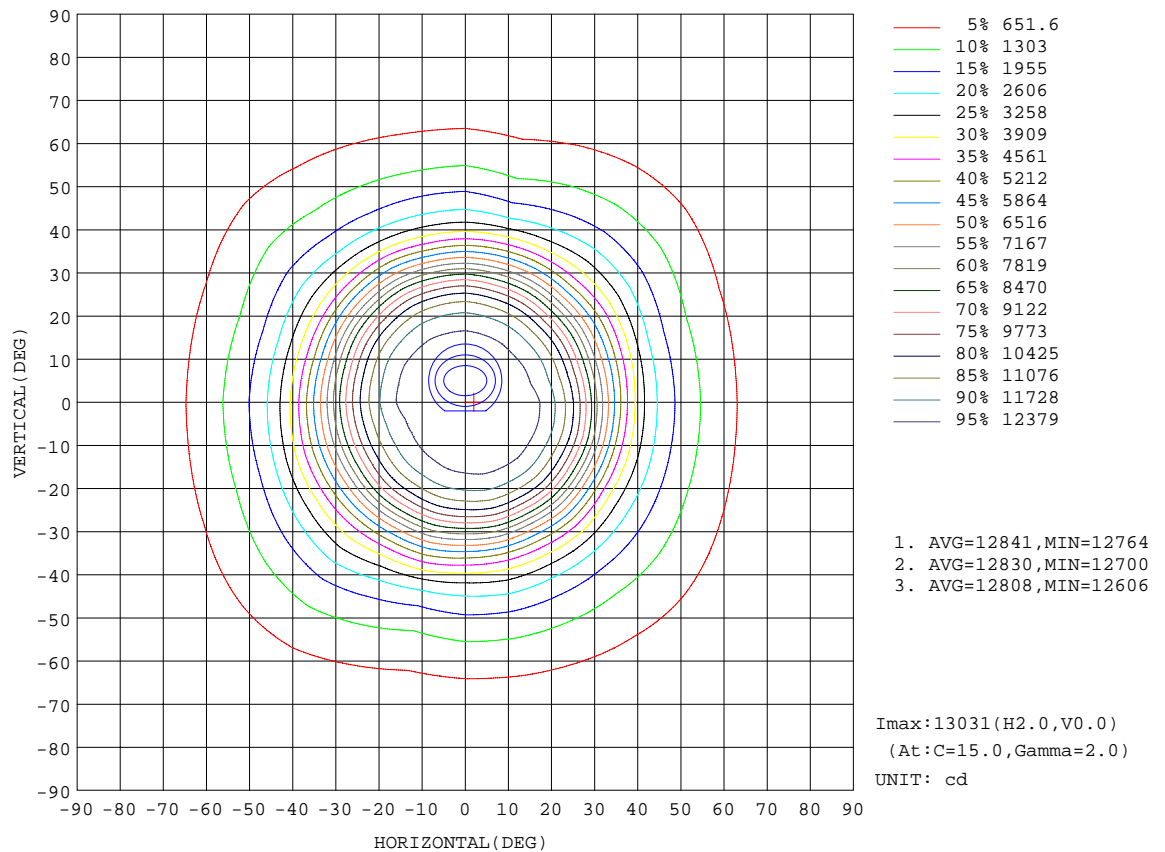
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	77	68	63	76	68	63	75	68	63	58
0.80	85	77	72	85	77	72	83	76	72	67
1.00	92	84	79	91	84	79	89	84	79	74
1.25	97	90	85	96	89	85	94	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:2024-10-29

$\gamma$  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:0.4574A P:97.55W PF:0.9728 Freq:50.00Hz Lamp Flux:17036.8x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-L2-00-4080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 263mm	Shielding Angle:



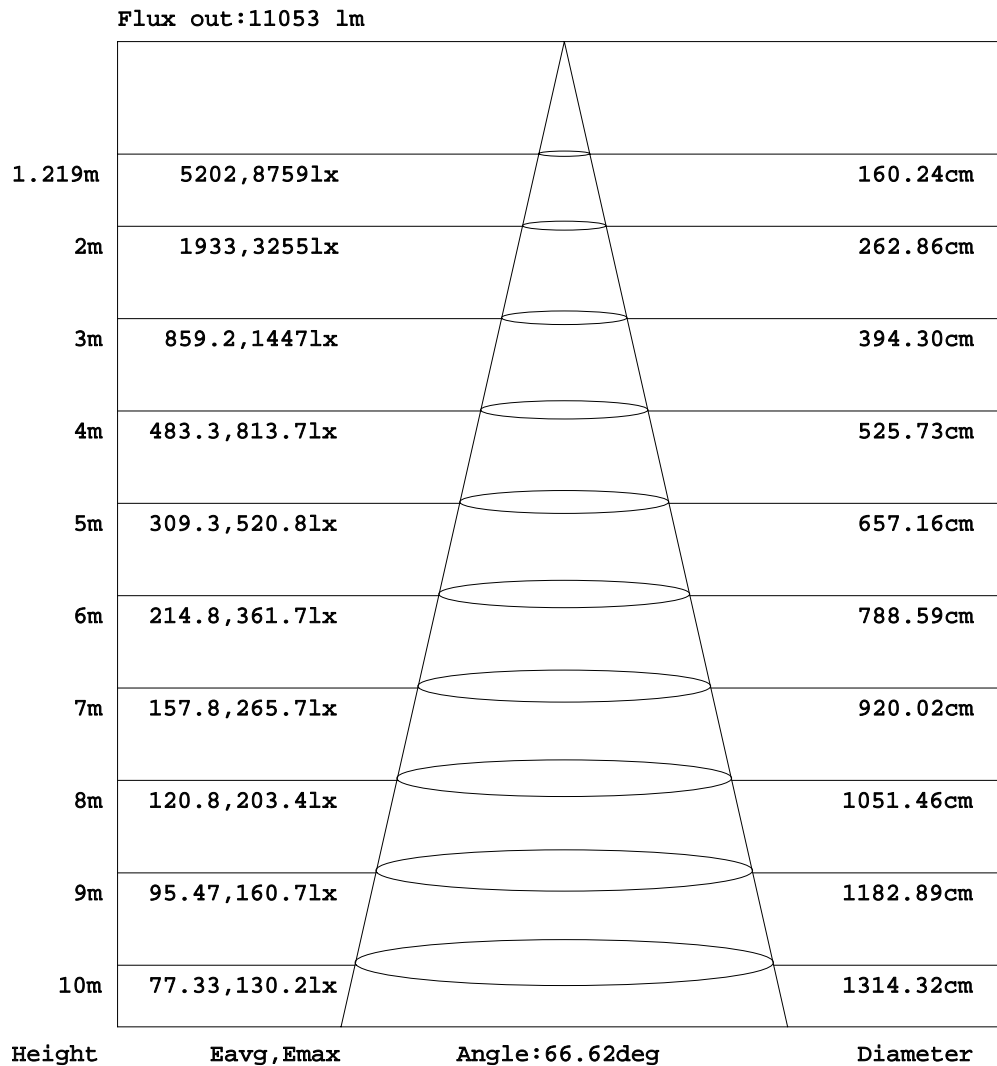
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-10-29

$\gamma$  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:0.4574A P:97.55W PF:0.9728 Freq:50.00Hz Lamp Flux:17036.8x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-L2-00-4080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:



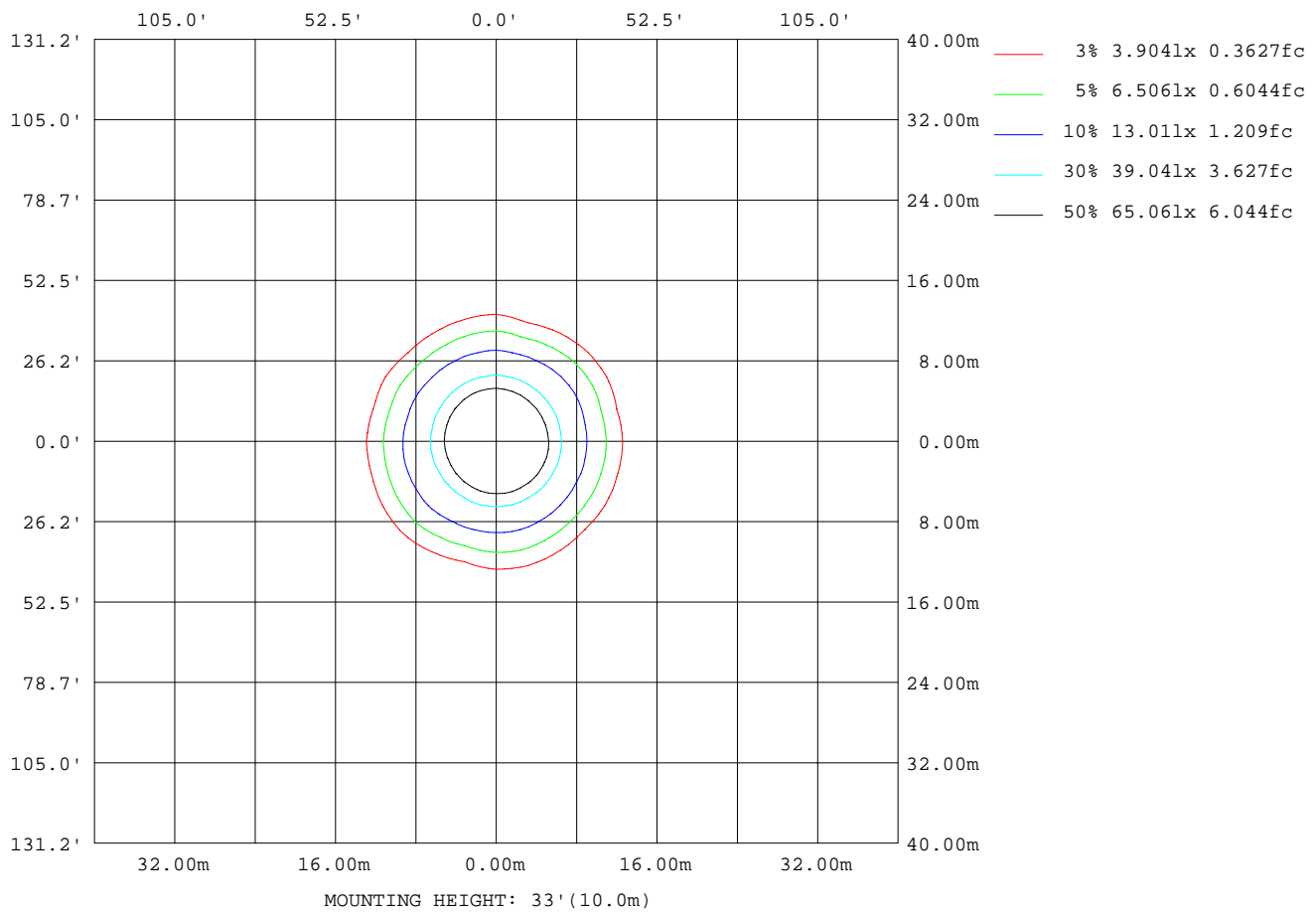
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2024-10-29

$\gamma$  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:0.4574A P:97.55W PF:0.9728 Freq:50.00Hz Lamp Flux:17036.8x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-L2-00-4080-60D-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:2024-10-29

$\gamma$  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:0.4574A P:97.55W PF:0.9728 Freq:50.00Hz Lamp Flux:17036.8x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-L2-00-4080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

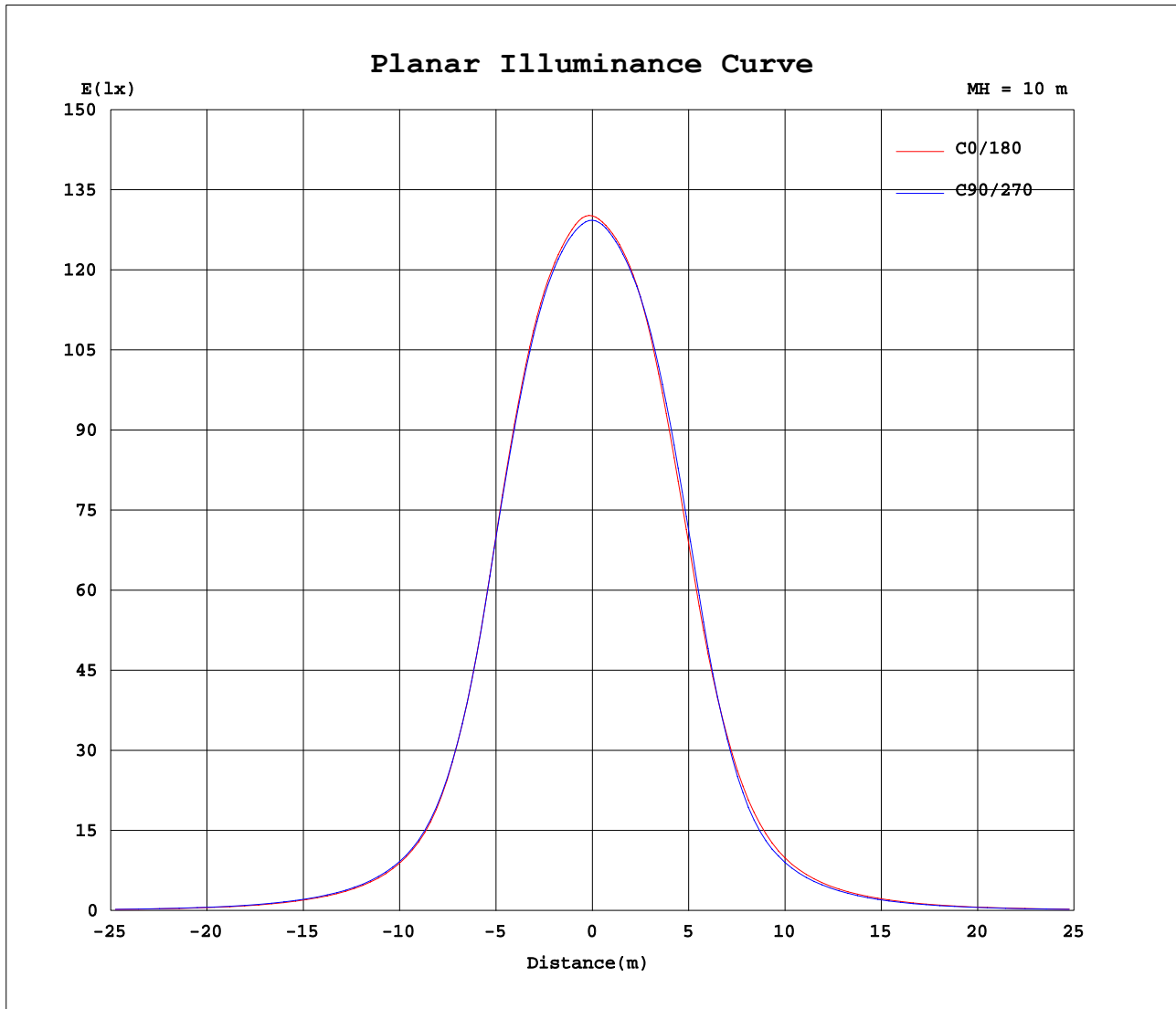
AvgL	cd/m2
L_0~180 (65) av	25541
L_0~180 (75) av	14148
L_0~180 (85) av	4157
L_90~270 (65) av	25490
L_90~270 (75) av	14045
L_90~270 (85) av	3983
L_45 (65) av	25646
L_45 (75) av	13635
L_45 (85) av	5348

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-10-29

$\gamma$  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: 2024-10-29

$\gamma$  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:0.4574A P:97.55W PF:0.9728 Freq:50.00Hz Lamp Flux:17036.8x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-L2-00-4080-60D-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	1294	1294	1294	1294	1294	1294	1294	1294	1294	1294	1294	1294	1294	1294	1294	1294	1294	1294	1294
5	1293	1294	1293	1294	1292	1291	1289	1287	1285	1284	1283	1282	1284	1284	1284	1285	1285	1286	1287
10	1280	1281	1282	1283	1283	1282	1279	1276	1272	1269	1268	1268	1272	1273	1275	1275	1275	1275	1275
15	1256	1259	1258	1262	1260	1260	1254	1249	1243	1239	1235	1237	1242	1244	1250	1250	1253	1252	1253
20	1184	1193	1192	1199	1193	1194	1182	1177	1165	1162	1153	1155	1162	1165	1177	1181	1188	1187	1189
25	1040	1055	1052	1060	1051	1054	1039	1037	1022	1019	1006	1010	1015	1016	1033	1038	1052	1051	1054
30	806	821	812	820	806	821	809	814	796	797	788	799	803	798	814	817	834	829	833
35	566	564	557	568	558	569	570	582	567	568	577	592	590	573	575	577	588	577	584
40	368	371	362	374	371	384	380	389	383	403	406	419	407	390	385	378	374	374	378
45	250	251	248	247	254	267	260	249	263	292	285	284	278	263	266	247	244	250	255
50	177	175	177	172	179	188	187	171	186	207	203	194	196	182	188	172	171	176	182
55	126	125	127	123	128	135	135	121	135	148	146	137	140	129	135	123	123	125	129
60	84.6	84.3	86.0	84.4	88.1	92.7	92.6	83.6	93.0	103	101	94.5	97.3	88.8	92.9	85.0	85.1	85.4	88.5
65	54.0	54.3	55.7	55.5	57.7	60.5	60.3	54.9	60.6	67.2	65.8	61.9	63.3	58.1	60.5	56.0	55.9	55.5	56.8
70	32.3	33.0	33.4	34.3	35.4	37.3	37.3	34.6	37.3	41.7	40.5	38.3	39.1	36.2	37.1	34.7	34.2	33.8	34.3
75	17.6	18.1	18.0	18.8	19.0	21.0	21.0	20.0	20.8	22.3	22.5	22.0	22.2	20.7	20.2	18.7	18.5	18.4	18.5
80	8.09	8.08	7.41	8.80	7.84	10.0	10.6	10.9	10.2	12.3	10.9	11.4	11.7	10.5	8.42	8.64	7.77	7.93	8.45
85	1.08	1.38	1.82	2.34	2.17	2.29	2.46	2.91	3.54	4.16	3.56	3.10	2.85	2.43	2.49	2.39	2.06	1.46	1.31
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: 2024-10-29

$\gamma$  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:0.4574A P:97.55W PF:0.9728 Freq:50.00Hz Lamp Flux:17036.8x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-L2-00-4080-60D-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	1294	1294	1294	1294	1294														
5	1287	1288	1288	1290	1290														
10	1274	1274	1274	1275	1275														
15	1251	1250	1247	1249	1249														
20	1182	1179	1174	1177	1176														
25	1039	1034	1021	1028	1026														
30	811	805	789	796	793														
35	575	569	556	572	568														
40	368	370	383	388	379														
45	233	247	265	268	249														
50	159	174	186	187	172														
55	112	123	132	133	120														
60	76.2	84.3	89.2	89.2	80.8														
65	49.7	54.4	56.9	56.9	51.7														
70	30.6	32.5	33.6	33.6	30.9														
75	16.9	17.3	16.9	17.4	16.9														
80	7.25	6.57	6.88	6.57	7.12														
85	1.18	1.35	1.24	1.33	1.09														
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: 2024-10-29

$\gamma$  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: