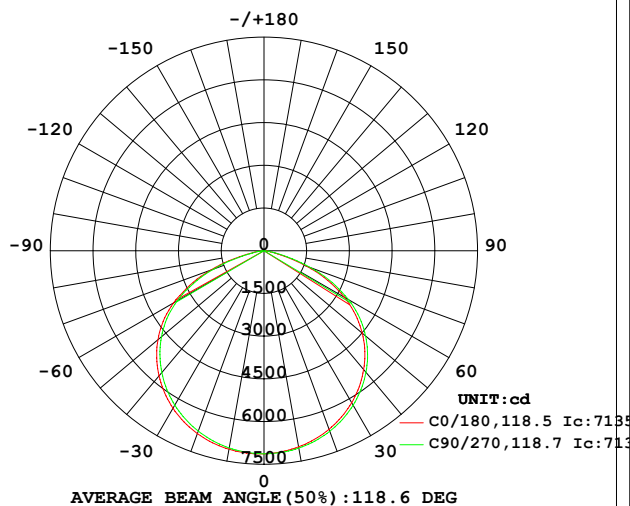


## LUMINAIRE PHOTOMETRIC TEST REPORT

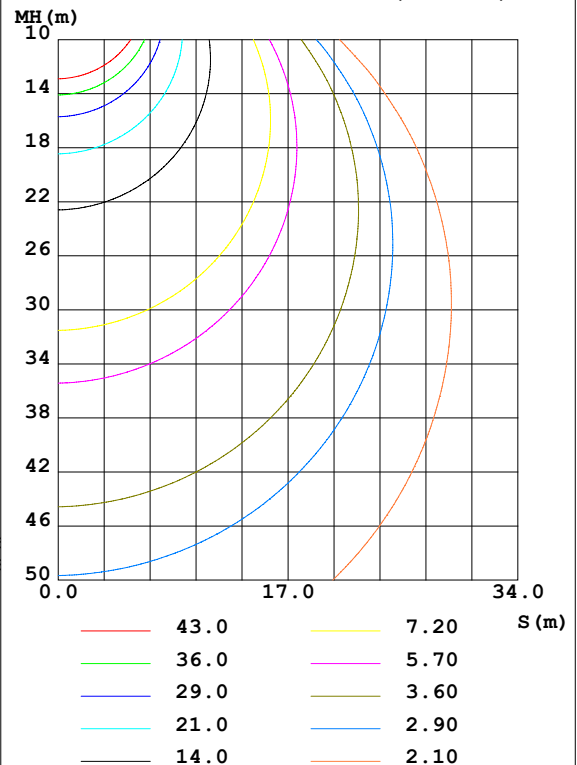
Test:U:219.2V I:0.5694A P:122.3W PF:0.9800 Freq:50.01Hz Lamp Flux:20748.9x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-120WHBE-NV-L2-00-3080-120D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 169.67 lm/W			
MODEL	2835	I <sub>max</sub> (cd)	7135	S/MH (C0/180)	1.33
NOMINAL POWER (W)	120	LOR (%)	100.0	S/MH (C90/270)	1.31
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	20749	$\eta$ UP,DN (C0-180)	0.0,49.7
NOMINAL FLUX (lm)	20748.9	CIE CLASS	DIRECT	$\eta$ UP,DN (C180-360)	0.0,50.3
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:2024-10-24

$\gamma$  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	6992	7009	7036	7069	7079	7057	7031	7003	0- 10	676.0	676.0	3.26, 3.26
20	6673	6698	6748	6815	6834	6792	6743	6696	10- 20	1954	2630	12.7, 12.7
30	6160	6191	6262	6358	6389	6327	6260	6196	20- 30	3013	5643	27.2, 27.2
40	5443	5479	5570	5694	5735	5659	5583	5501	30- 40	3724	9367	45.1, 45.1
50	4503	4554	4656	4800	4861	4780	4699	4529	40- 50	3978	13345	64.3, 64.3
60	3247	3366	3424	3603	3670	3636	3518	3343	50- 60	3672	17017	82.82
70	1606	1777	1739	1973	1990	2090	1864	1752	60- 70	2664	19681	94.9, 94.9
80	238.7	253.0	303.6	364.4	400.7	347.4	331.7	254.5	70- 80	989.7	20671	99.6, 99.6
90	0	0	0	0	0	0	0	0	80- 90	78.02	20749	100, 100
100	0	0	0	0	0	0	0	0	90-100	0	20749	100, 100
110	0	0	0	0	0	0	0	0	100-110	0	20749	100, 100
120	0	0	0	0	0	0	0	0	110-120	0	20749	100, 100
130	0	0	0	0	0	0	0	0	120-130	0	20749	100, 100
140	0	0	0	0	0	0	0	0	130-140	0	20749	100, 100
150	0	0	0	0	0	0	0	0	140-150	0	20749	100, 100
160	0	0	0	0	0	0	0	0	150-160	0	20749	100, 100
170	0	0	0	0	0	0	0	0	160-170	0	20749	100, 100
180	0	0	0	0	0	0	0	0	170-180	0	20749	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 11357 lm

%lum = 54.7%

%lamp = 54.7%

Conical surface Flux(120deg): 17017 lm

%lum = 82.0%

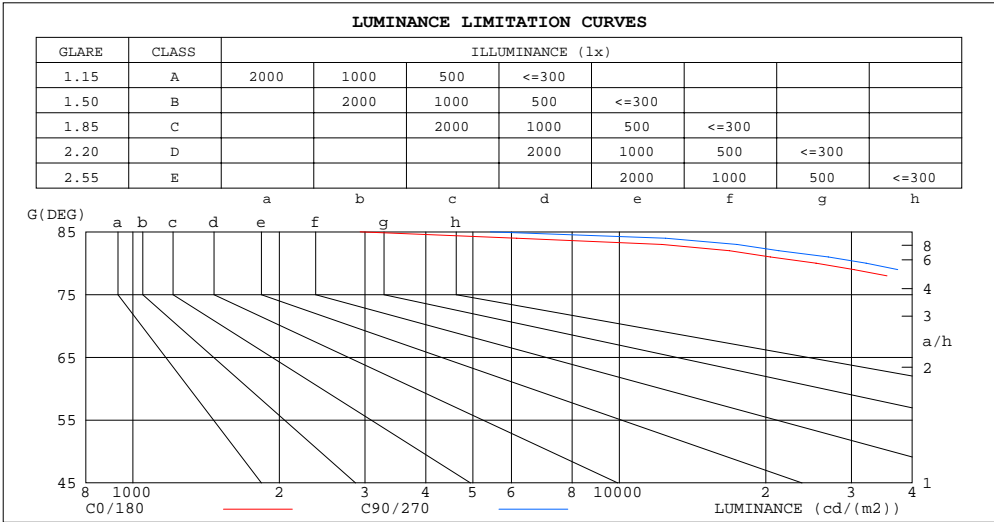
%lamp = 82.0%

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-10-24

$\gamma$  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:0.5694A P:122.3W PF:0.9800 Freq:50.01Hz Lamp Flux:20748.9x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-120WHBE-NV-L2-00-3080-120D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:Φ263mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2933	5433
80	25384	32171
75	52915	60814
70	86706	93575
65	108231	114986
60	119915	126012
55	126334	131460
50	129363	133279
45	130743	133819

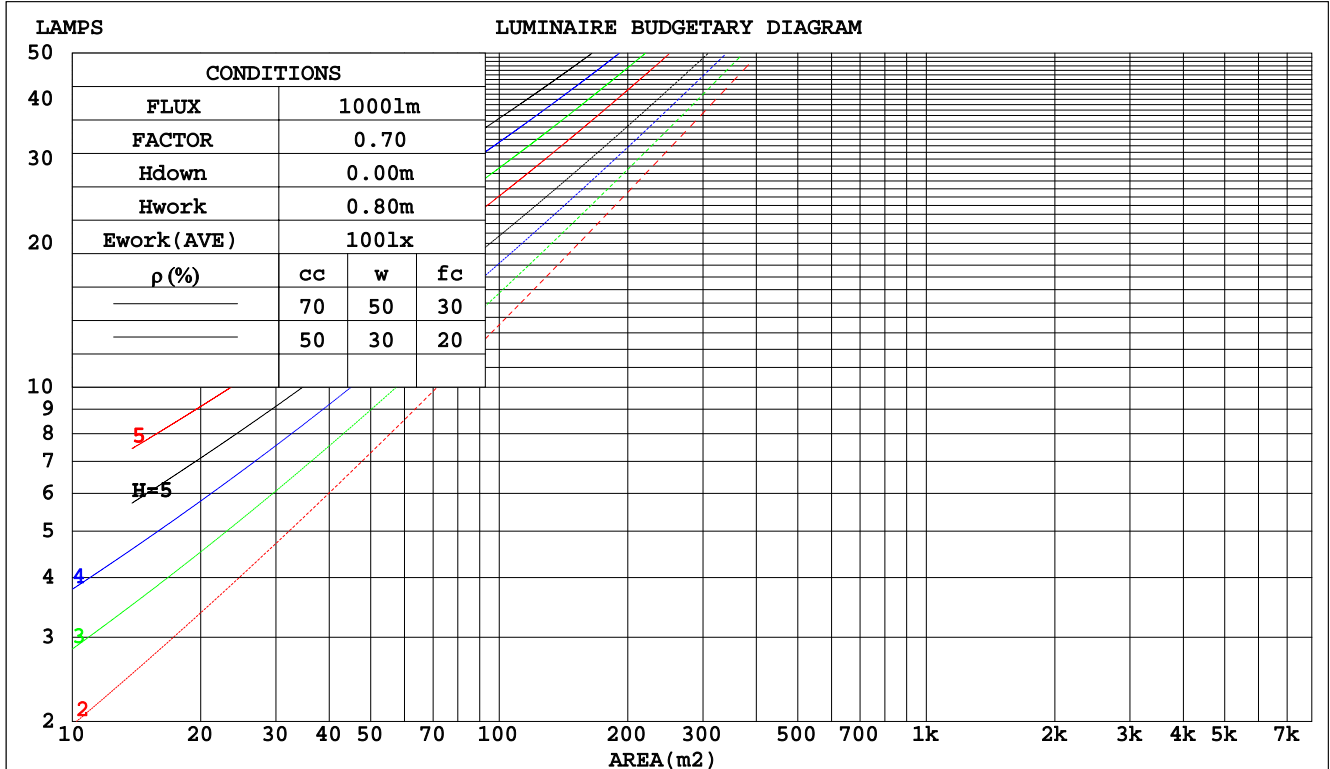
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-10-24

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:0.5694A P:122.3W PF:0.9800 Freq:50.01Hz Lamp Flux:20748.9x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-120WHBE-NV-L2-00-3080-120D-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	1.00
1.0	1.05	1.01	.98	1.03	.99	.96	.99	.96	.93	.95	.92	.90	.91	.89	.87	.85
2.0	.92	.85	.80	.90	.84	.79	.86	.81	.77	.83	.79	.75	.80	.77	.74	.71
3.0	.81	.73	.66	.79	.72	.66	.76	.70	.65	.73	.68	.63	.71	.66	.62	.60
4.0	.71	.63	.56	.70	.62	.56	.68	.60	.55	.65	.59	.54	.63	.58	.53	.51
5.0	.64	.55	.48	.63	.54	.48	.60	.53	.47	.58	.52	.47	.57	.51	.46	.44
6.0	.57	.48	.42	.56	.48	.42	.54	.47	.41	.53	.46	.41	.51	.45	.41	.39
7.0	.52	.43	.37	.51	.43	.37	.49	.42	.36	.48	.41	.36	.47	.41	.36	.34
8.0	.47	.39	.33	.46	.38	.33	.45	.38	.32	.44	.37	.32	.43	.37	.32	.30
9.0	.43	.35	.29	.43	.35	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.27	.39	.32	.27	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-10-24

$\gamma$  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:0.5694A P:122.3W PF:0.9800 Freq:50.01Hz Lamp Flux:20748.9x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-120WHBE-NV-L2-00-3080-120D-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	.286	.163	.052	.279	.159	.051	.266	.153	.049	.254	.147	.047	.243	.141	.045		
2.0	.278	.152	.047	.272	.150	.046	.260	.145	.045	.250	.140	.044	.240	.136	.043		
3.0	.262	.139	.042	.256	.137	.041	.246	.133	.041	.236	.130	.040	.228	.126	.039		
4.0	.244	.127	.037	.239	.125	.037	.230	.122	.036	.222	.119	.036	.214	.116	.035		
5.0	.227	.116	.034	.223	.114	.033	.215	.112	.033	.207	.109	.032	.200	.107	.032		
6.0	.211	.106	.030	.208	.105	.030	.200	.103	.030	.194	.101	.030	.187	.099	.029		
7.0	.197	.098	.028	.194	.097	.028	.187	.095	.027	.181	.093	.027	.176	.091	.027		
8.0	.185	.090	.025	.182	.089	.025	.176	.088	.025	.170	.086	.025	.165	.085	.025		
9.0	.173	.084	.023	.171	.083	.023	.165	.082	.023	.161	.080	.023	.156	.079	.023		
10.0	.163	.078	.022	.161	.078	.022	.156	.076	.022	.152	.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	.179	.156	.136	.153	.134	.117	.105	.092	.081	.060	.053	.047	.019	.017	.015		
2.0	.170	.132	.100	.146	.114	.086	.100	.079	.060	.058	.046	.035	.019	.015	.011		
3.0	.163	.114	.075	.140	.099	.065	.096	.068	.046	.055	.040	.027	.018	.013	.009		
4.0	.156	.101	.059	.133	.087	.051	.092	.061	.036	.053	.036	.021	.017	.012	.007		
5.0	.148	.090	.048	.127	.078	.041	.088	.055	.029	.051	.032	.017	.016	.010	.006		
6.0	.141	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005		
7.0	.135	.075	.033	.116	.065	.029	.080	.046	.021	.047	.027	.012	.015	.009	.004		
8.0	.129	.069	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.008	.004		
9.0	.123	.064	.025	.106	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003		
10.0	.117	.060	.022	.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:2024-10-24

$\gamma$  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:0.5694A P:122.3W PF:0.9800 Freq:50.01Hz Lamp Flux:20748.9x1 lm											
NAME: AOK HBE					TYPE:			WEIGHT:			
SPEC.:AOK-120WHBE-NV-L2-00-3080-120D-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	29.8	31.3	30.1	31.5	31.7	29.9	31.4	30.2	31.6	31.9	
	3H	30.9	32.3	31.2	32.5	32.8	31.1	32.5	31.4	32.8	33.0
	4H	31.1	32.4	31.4	32.6	32.9	31.4	32.7	31.7	32.9	33.2
	6H	31.1	32.3	31.4	32.6	32.8	31.4	32.6	31.7	32.9	33.2
	8H	31.0	32.2	31.4	32.5	32.8	31.3	32.5	31.7	32.8	33.1
	12H	31.0	32.1	31.3	32.4	32.7	31.3	32.4	31.6	32.7	33.0
4H	2H	30.4	31.7	30.7	31.9	32.2	30.5	31.8	30.8	32.1	32.3
	3H	31.6	32.7	31.9	33.0	33.3	31.8	32.9	32.1	33.2	33.5
	4H	31.8	32.8	32.1	33.1	33.5	32.0	33.1	32.4	33.4	33.7
	6H	31.8	32.7	32.2	33.1	33.4	32.1	33.0	32.5	33.3	33.7
	8H	31.8	32.6	32.2	33.0	33.4	32.1	32.9	32.5	33.3	33.7
	12H	31.7	32.5	32.1	32.9	33.3	32.0	32.8	32.4	33.2	33.6
8H	4H	31.8	32.7	32.2	33.0	33.4	32.1	32.9	32.5	33.3	33.7
	6H	31.9	32.6	32.3	33.0	33.4	32.1	32.8	32.6	33.2	33.7
	8H	31.8	32.4	32.3	32.9	33.3	32.1	32.7	32.6	33.2	33.6
	12H	31.8	32.3	32.3	32.8	33.2	32.1	32.6	32.6	33.1	33.5
12H	4H	31.8	32.6	32.2	32.9	33.3	32.0	32.8	32.5	33.2	33.6
	6H	31.8	32.4	32.3	32.9	33.3	32.1	32.7	32.6	33.1	33.6
	8H	31.8	32.3	32.3	32.8	33.3	32.1	32.6	32.6	33.1	33.5
Variations with the observer position at spacings:											
S = 1.0H	+ 0.3 / - 0.3					+ 0.2 / - 0.3					
1.5H	+ 0.3 / - 0.5					+ 0.3 / - 0.4					
2.0H	+ 0.3 / - 0.5					+ 0.4 / - 0.5					

CIE Pub.117, 20749 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:2024-10-24

$\gamma$  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:0.5694A P:122.3W PF:0.9800 Freq:50.01Hz Lamp Flux:20748.9x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-120WHBE-NV-L2-00-3080-120D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

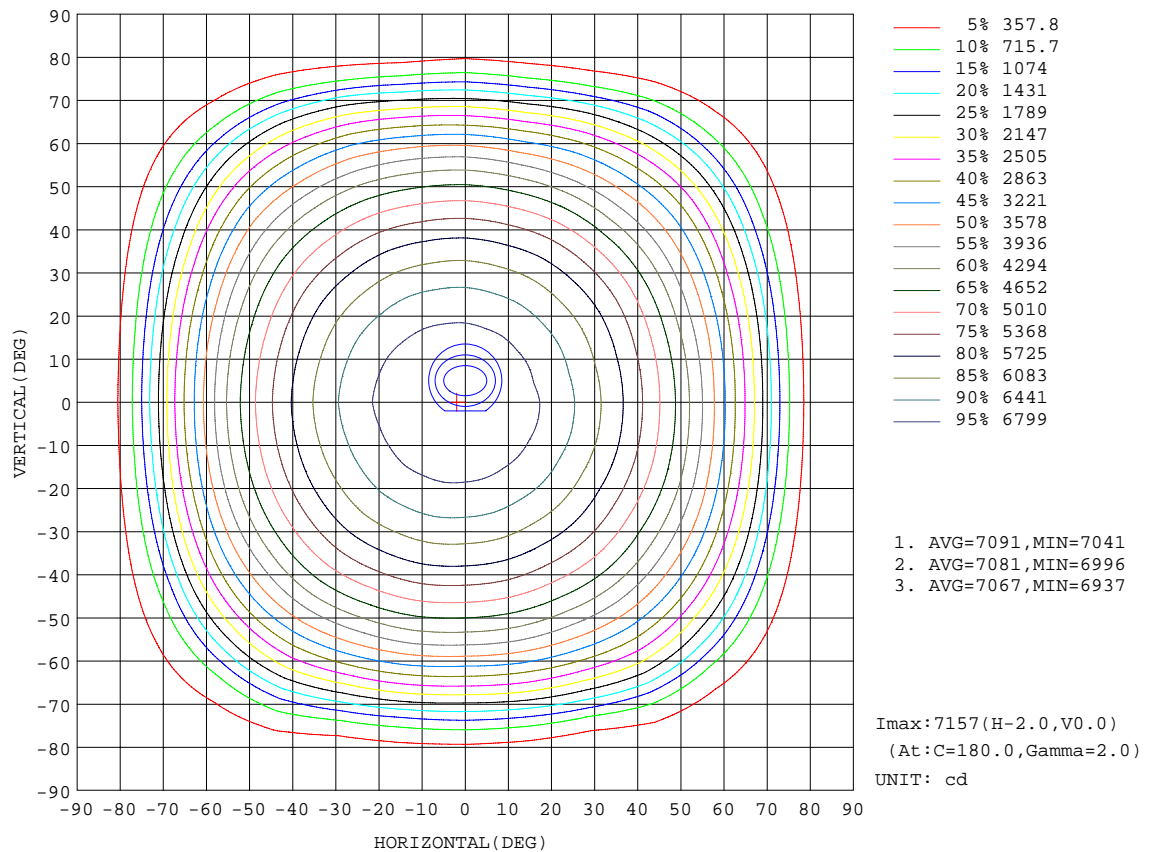
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	46	39	57	46	39	56	45	39	32
0.80	68	56	49	67	56	49	65	55	48	42
1.00	77	66	59	76	65	58	73	67	58	51
1.25	84	74	67	83	73	66	80	72	66	58
1.50	89	80	73	87	79	72	84	77	71	64
2.00	96	88	82	94	87	81	91	85	79	72
2.50	100	93	87	98	91	86	94	89	84	76
3.00	103	97	92	101	95	91	97	92	88	80
4.00	107	102	98	105	100	96	101	97	94	85
5.00	110	105	101	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:2024-10-24

$\gamma$  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:0.5694A P:122.3W PF:0.9800 Freq:50.01Hz Lamp Flux:20748.9x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-120WHBE-NV-L2-00-3080-120D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 263mm	Shielding Angle:



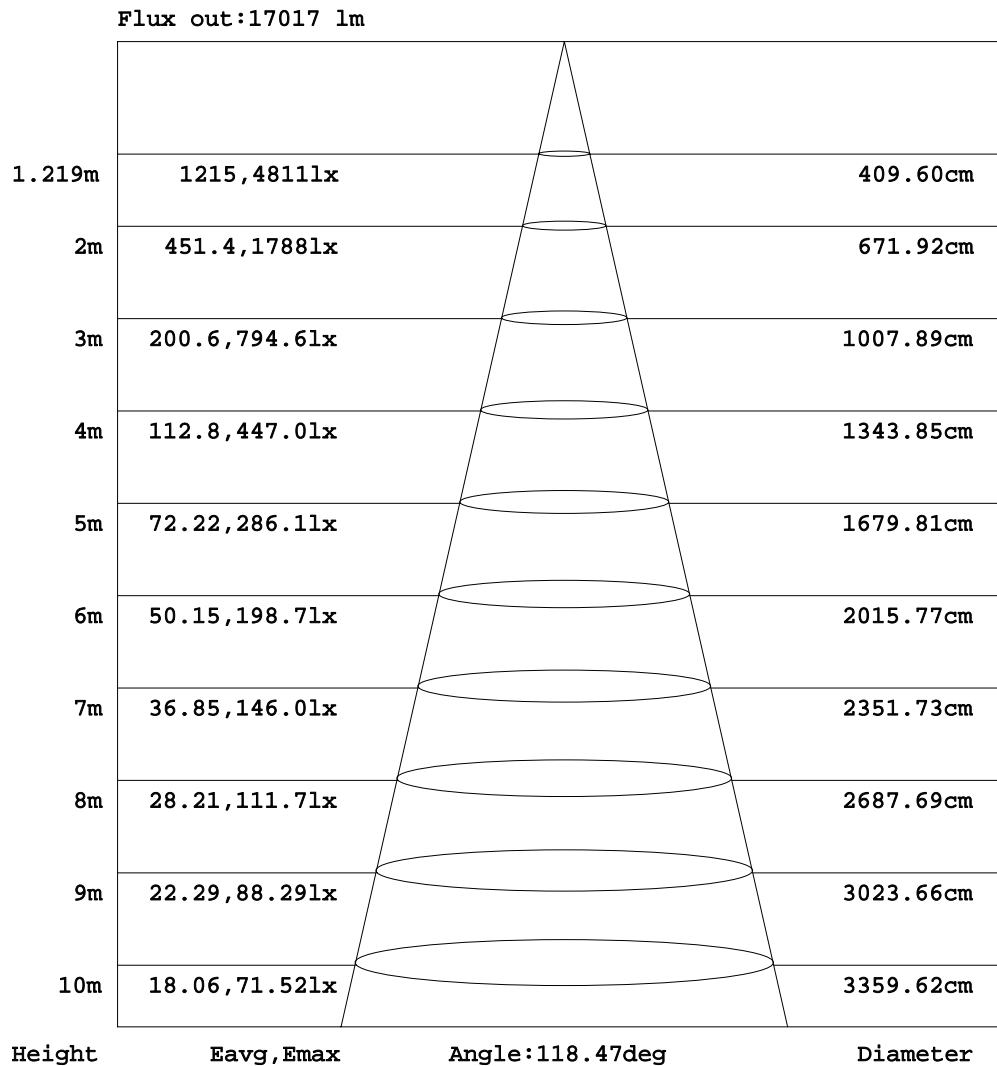
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-10-24

$\gamma$  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:0.5694A P:122.3W PF:0.9800 Freq:50.01Hz Lamp Flux:20748.9x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-120WHBE-NV-L2-00-3080-120D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:



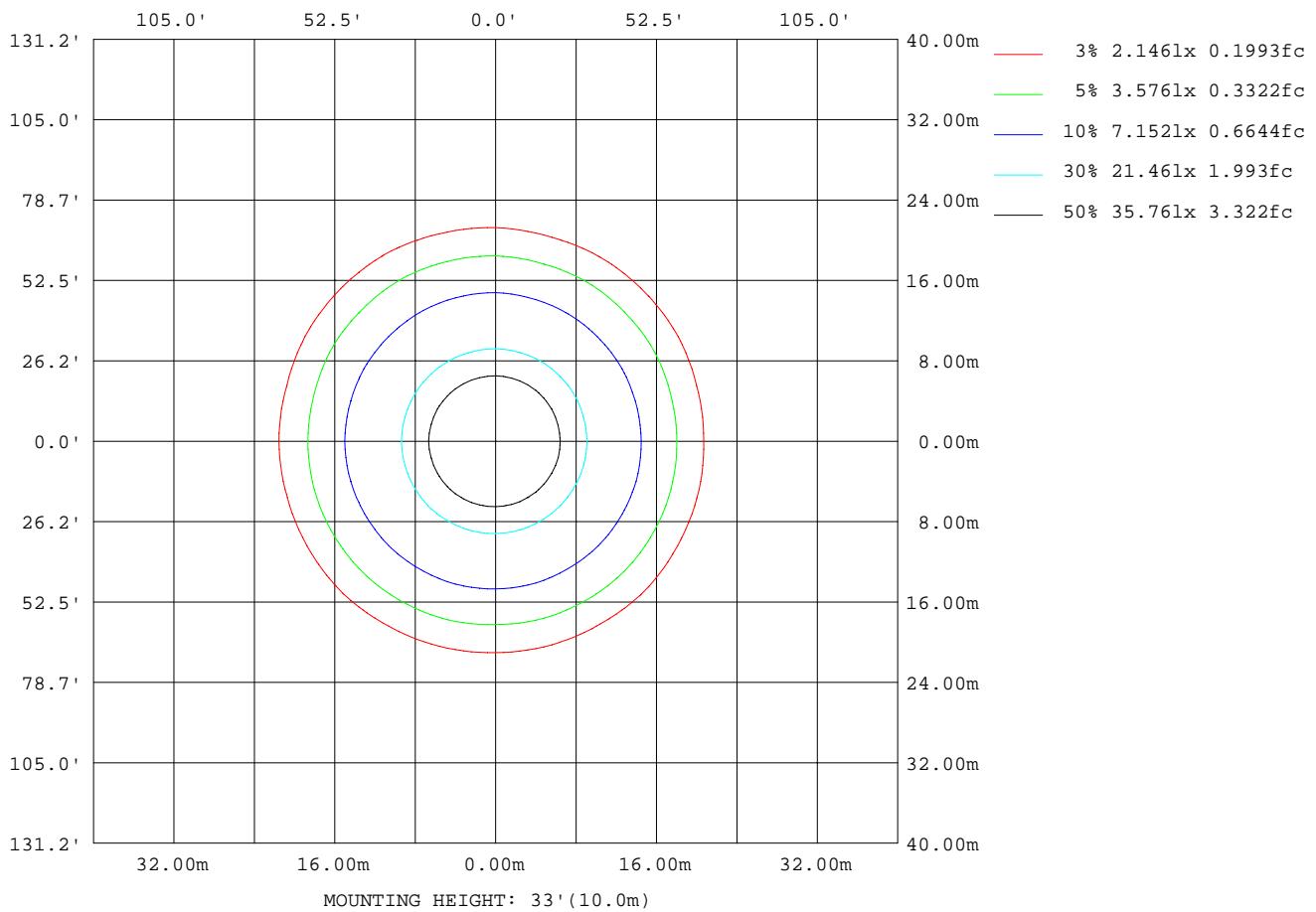
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-10-24

$\gamma$  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:0.5694A P:122.3W PF:0.9800 Freq:50.01Hz Lamp Flux:20748.9x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-120WHBE-NV-L2-00-3080-120D-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: 2024-10-24

$\gamma$  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:0.5694A P:122.3W PF:0.9800 Freq:50.01Hz Lamp Flux:20748.9x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-120WHBE-NV-L2-00-3080-120D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

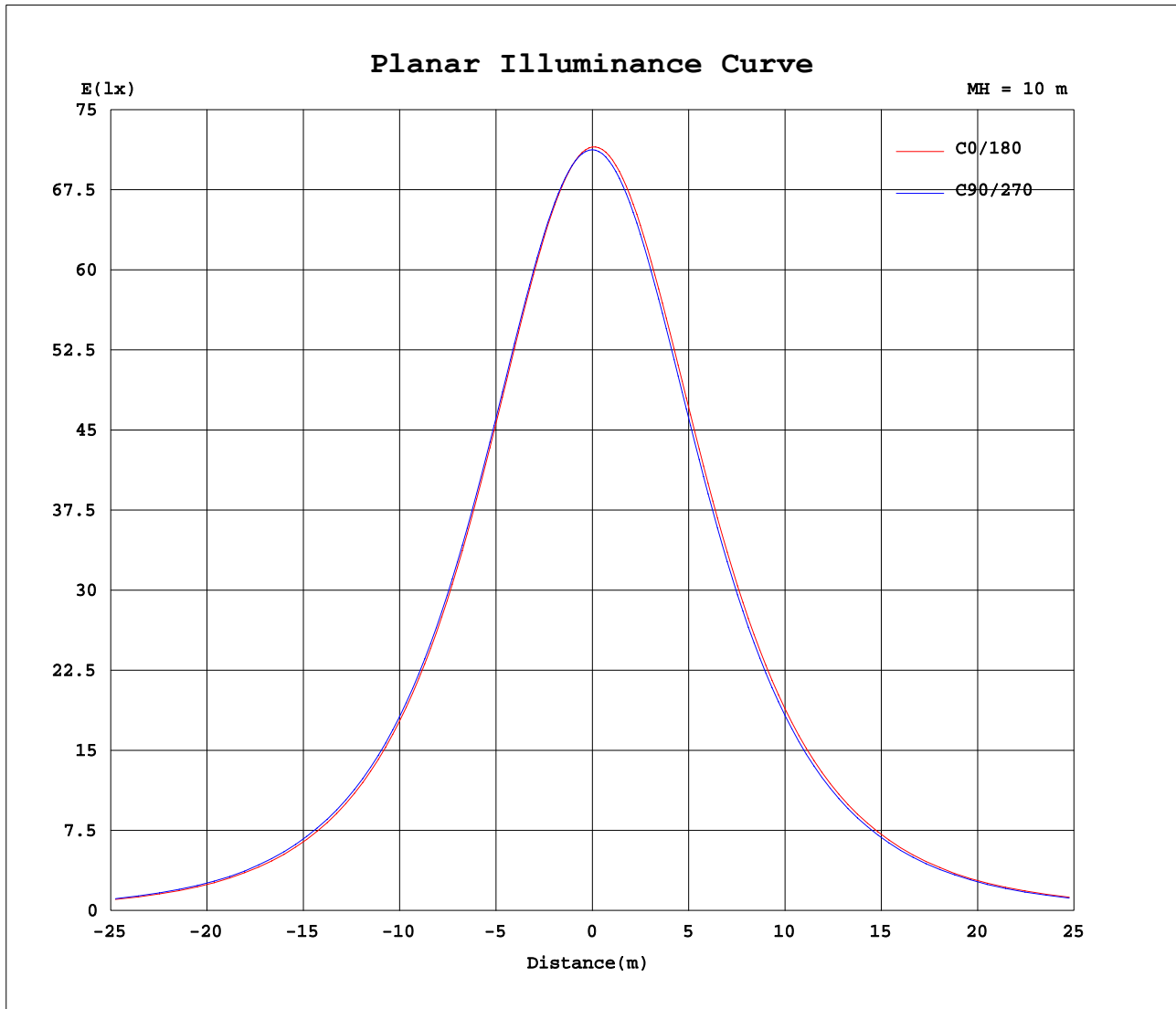
AvgL	cd/m2
L_0~180 (65) av	116855
L_0~180 (75) av	64584
L_0~180 (85) av	9588
L_90~270 (65) av	117252
L_90~270 (75) av	63911
L_90~270 (85) av	6594
L_45 (65) av	120192
L_45 (75) av	65615
L_45 (85) av	8153

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-10-24

$\gamma$  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: 2024-10-24

$\gamma$  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:0.5694A P:122.3W PF:0.9800 Freq:50.01Hz Lamp Flux:20748.9x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-120WHBE-NV-L2-00-3080-120D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 263mm	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	7130	7130	7130	7130	7130	7130	7130	7130	7130	7130	7130	7130	7130	7130	7130	7130	7130	7130	7130
5	7083	7086	7088	7092	7096	7103	7107	7114	7117	7124	7125	7128	7129	7125	7123	7118	7115	7108	7104
10	6992	6998	7000	7009	7014	7028	7036	7050	7057	7069	7073	7079	7079	7072	7070	7057	7050	7038	7031
15	6856	6863	6864	6878	6885	6906	6917	6938	6947	6966	6971	6981	6981	6969	6966	6948	6939	6921	6913
20	6673	6682	6680	6698	6707	6733	6748	6776	6789	6815	6819	6834	6834	6819	6814	6792	6778	6755	6743
25	6440	6450	6448	6469	6479	6511	6528	6565	6582	6613	6618	6638	6638	6617	6611	6582	6568	6537	6525
30	6160	6170	6165	6191	6203	6240	6262	6302	6321	6358	6366	6386	6389	6369	6359	6327	6310	6275	6260
35	5830	5837	5833	5860	5875	5919	5943	5989	6012	6054	6062	6087	6087	6063	6056	6019	6000	5961	5946
40	5443	5453	5446	5479	5495	5544	5570	5621	5647	5694	5707	5733	5735	5708	5699	5659	5639	5599	5583
45	5006	5019	5009	5043	5059	5115	5143	5201	5225	5280	5292	5327	5328	5300	5289	5247	5227	5185	5169
50	4503	4530	4519	4554	4569	4627	4656	4717	4741	4800	4815	4857	4861	4831	4821	4780	4762	4717	4699
55	3924	3965	3965	4004	4015	4078	4098	4163	4182	4246	4263	4313	4321	4293	4288	4246	4235	4190	4164
60	3247	3298	3318	3366	3371	3408	3424	3497	3536	3603	3620	3659	3670	3640	3679	3636	3637	3562	3518
65	2477	2519	2550	2636	2593	2633	2641	2698	2748	2847	2848	2854	2888	2858	2931	2931	2921	2809	2742
70	1606	1632	1653	1777	1712	1747	1739	1806	1843	1973	1922	1950	1990	1987	2059	2090	2054	1917	1864
75	742	698	664	801	715	809	855	840	854	1001	889	911	1074	1040	1017	1074	1011	918	942
80	239	218	172	253	181	266	304	303	272	364	309	338	401	362	319	347	315	282	332
85	13.8	14.2	13.8	15.0	14.5	19.9	25.7	40.7	41.0	66.7	57.9	61.8	76.9	57.5	41.3	54.6	41.4	28.8	36.7
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:2024-10-24

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:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:0.5694A P:122.3W PF:0.9800 Freq:50.01Hz Lamp Flux:20748.9x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-120WHBE-NV-L2-00-3080-120D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

Table--2

UNIT: cd

$\gamma$ (DEG) \ C (DEG)	285	300	315	330	345														
0	7130	7130	7130	7130	7130														
5	7097	7095	7088	7087	7084														
10	7018	7013	7003	7002	6995														
15	6893	6887	6872	6871	6859														
20	6722	6714	6696	6692	6679														
25	6498	6489	6469	6465	6447														
30	6230	6221	6196	6191	6170														
35	5912	5901	5874	5866	5841														
40	5544	5531	5501	5493	5461														
45	5125	5107	5064	5052	5023														
50	4639	4598	4529	4520	4495														
55	4070	4020	3960	3951	3914														
60	3410	3403	3343	3335	3268														
65	2643	2658	2623	2594	2493														
70	1765	1785	1752	1689	1599														
75	810	784	814	731	702														
80	274	234	255	213	231														
85	18.9	21.4	18.1	18.4	14.7														
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:2024-10-24

$\gamma$  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: