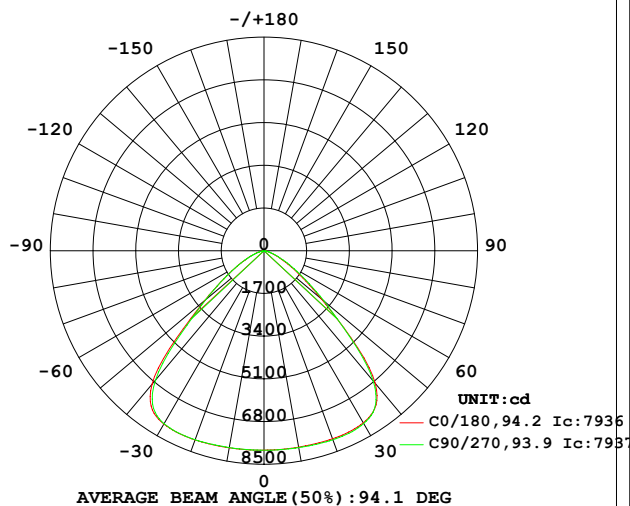


## LUMINAIRE PHOTOMETRIC TEST REPORT

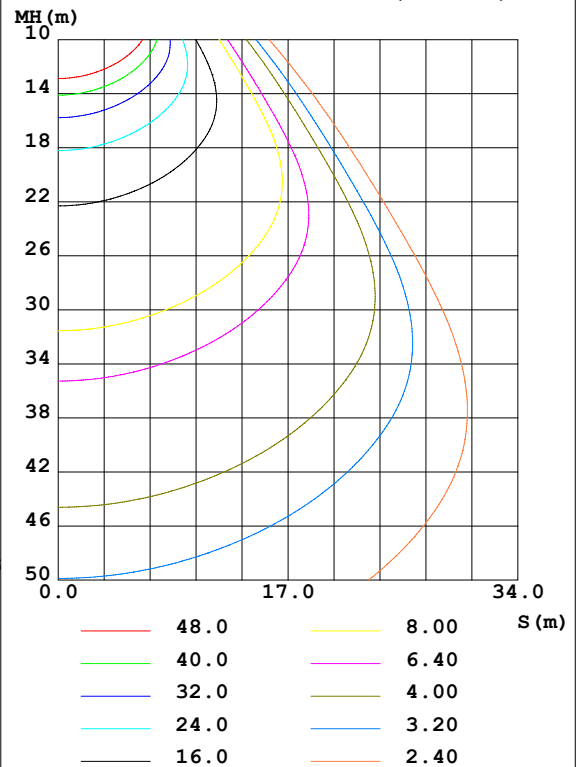
Test:U:219.3V I:0.4755A P:101.5W PF:0.9730 Freq:50.01Hz Lamp Flux:18035.1x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-L2-00-3080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 177.75 lm/W			
MODEL	2835	I <sub>max</sub> (cd)	8029	S/MH (C0/180)	1.38
NOMINAL POWER (W)	100	LOR (%)	100.0	S/MH (C90/270)	1.36
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	18035	$\eta$ UP, DN (C0-180)	0.0, 50.2
NOMINAL FLUX (lm)	18035.1	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.0, 49.8
LAMPS INSIDE	1	$\eta$ up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220	$\eta$ down (%)	100.0	CIBSE SHR MAX	1.35

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: 2024-8-22

$\gamma$  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	7938	7940	7954	7962	7964	7961	7955	7943	0- 10	758.4	758.4	4.21,4.21
20	7966	7979	8005	8015	8010	8017	8006	7984	10- 20	2261	3019	16.7,16.7
30	7904	7915	7939	7961	7963	7960	7949	7927	20- 30	3699	6718	37.2,37.2
40	6885	6828	6763	6904	6931	6663	6715	6804	30- 40	4748	11466	63.6,63.6
50	2981	3132	3130	3148	3062	3001	3019	2988	40- 50	3724	15190	84.2,84.2
60	1188	1267	1279	1285	1241	1262	1243	1207	50- 60	1805	16995	94.2,94.2
70	403.2	437.4	434.9	462.7	447.0	448.2	431.2	417.5	60- 70	776.5	17772	98.5,98.5
80	77.59	79.16	87.25	98.37	96.04	87.48	84.30	72.53	70- 80	240.9	18013	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	22.23	18035	100,100
100	0	0	0	0	0	0	0	0	90-100	0	18035	100,100
110	0	0	0	0	0	0	0	0	100-110	0	18035	100,100
120	0	0	0	0	0	0	0	0	110-120	0	18035	100,100
130	0	0	0	0	0	0	0	0	120-130	0	18035	100,100
140	0	0	0	0	0	0	0	0	130-140	0	18035	100,100
150	0	0	0	0	0	0	0	0	140-150	0	18035	100,100
160	0	0	0	0	0	0	0	0	150-160	0	18035	100,100
170	0	0	0	0	0	0	0	0	160-170	0	18035	100,100
180	0	0	0	0	0	0	0	0	170-180	0	18035	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 13639 lm

%lum = 75.6%

%lamp = 75.6%

Conical surface Flux(120deg): 16995 lm

%lum = 94.2%

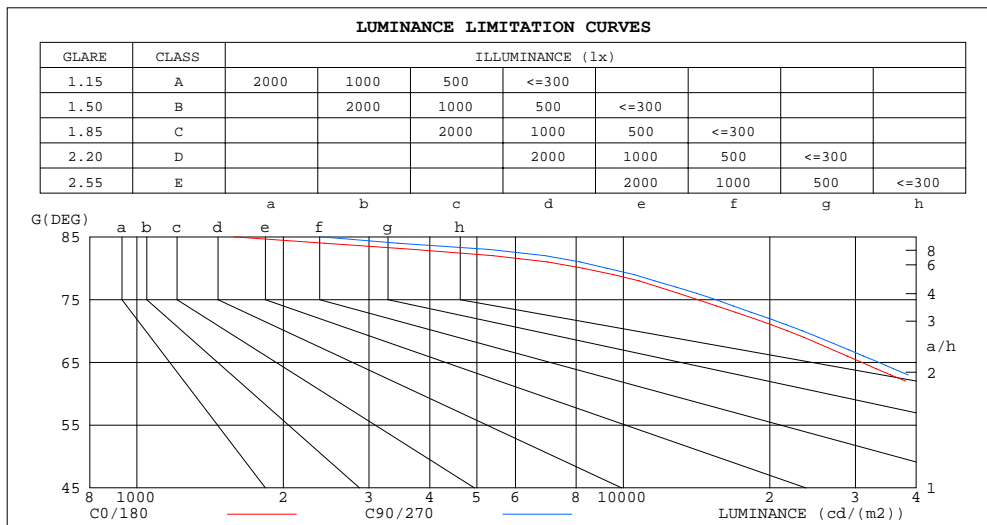
%lamp = 94.2%

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-22

$\gamma$  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:219.3V I:0.4755A P:101.5W PF:0.9730 Freq:50.01Hz Lamp Flux:18035.1x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-L2-00-3080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 263mm	Shielding Angle:



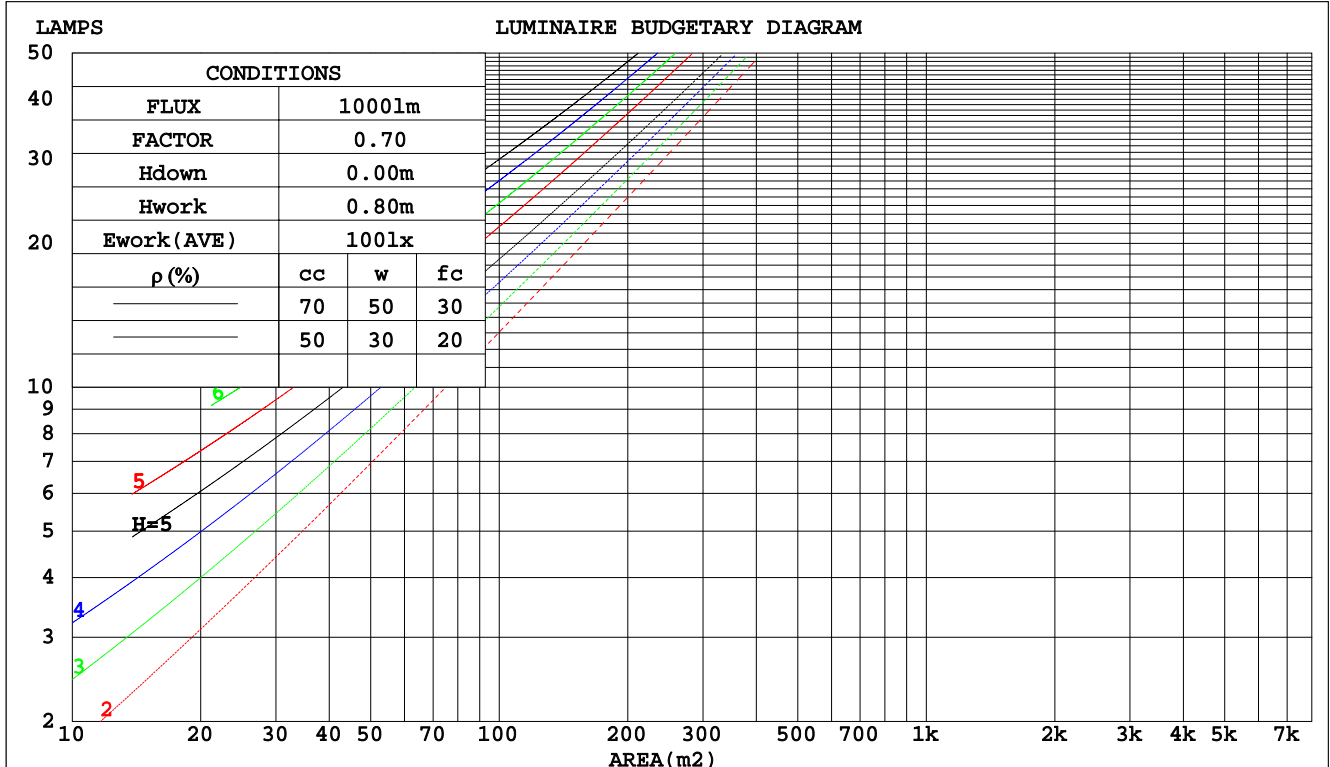
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-22

$\gamma$  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:219.3V I:0.4755A P:101.5W PF:0.9730 Freq:50.01Hz Lamp Flux:18035.1x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-L2-00-3080-90D-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	1.08	1.05	1.02	1.06	1.03	1.00	1.02	.99	.97	.98	.96	.94	.94	.93	.91	.89
2.0	.97	.92	.87	.95	.90	.86	.92	.88	.84	.89	.85	.82	.86	.83	.81	.79
3.0	.87	.81	.75	.86	.80	.75	.83	.78	.74	.80	.76	.72	.78	.74	.71	.69
4.0	.79	.72	.66	.78	.71	.65	.75	.69	.65	.73	.68	.64	.71	.67	.63	.61
5.0	.72	.64	.58	.70	.63	.58	.69	.62	.57	.67	.61	.57	.65	.60	.56	.54
6.0	.65	.57	.52	.64	.57	.51	.63	.56	.51	.61	.55	.51	.59	.54	.50	.48
7.0	.60	.52	.46	.59	.51	.46	.57	.51	.46	.56	.50	.46	.55	.49	.45	.43
8.0	.55	.47	.42	.54	.47	.42	.53	.46	.41	.52	.46	.41	.50	.45	.41	.39
9.0	.50	.43	.38	.50	.43	.38	.49	.42	.38	.48	.42	.37	.47	.41	.37	.35
10.0	.47	.39	.34	.46	.39	.34	.45	.39	.34	.44	.38	.34	.43	.38	.34	.32



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-8-22

$\gamma$  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:219.3V I:0.4755A P:101.5W PF:0.9730 Freq:50.01Hz Lamp Flux:18035.1x1 lm					
NAME: AOK HBE			TYPE:		WEIGHT:
SPEC.:AOK-100WHBE-NV-L2-00-3080-90D-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	.233	.133	.042	.227	.129	.041	.214	.123	.039	.202	.116	.037	.191	.111	.036	
2.0	.229	.125	.038	.223	.123	.038	.212	.118	.037	.201	.113	.035	.192	.108	.034	
3.0	.219	.116	.035	.213	.114	.034	.204	.110	.034	.195	.107	.033	.186	.103	.032	
4.0	.207	.108	.032	.203	.106	.031	.194	.103	.031	.186	.100	.030	.179	.097	.030	
5.0	.196	.100	.029	.192	.099	.029	.185	.096	.028	.178	.094	.028	.171	.091	.027	
6.0	.186	.093	.027	.182	.092	.026	.175	.090	.026	.169	.088	.026	.163	.086	.026	
7.0	.176	.087	.025	.173	.086	.025	.167	.084	.024	.161	.082	.024	.156	.081	.024	
8.0	.167	.081	.023	.164	.081	.023	.158	.079	.023	.153	.078	.022	.148	.076	.022	
9.0	.158	.076	.021	.155	.076	.021	.150	.074	.021	.146	.073	.021	.141	.072	.021	
10.0	.150	.072	.020	.148	.071	.020	.143	.070	.020	.139	.069	.020	.135	.068	.020	

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	.175	.157	.140	.150	.135	.121	.102	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.164	.132	.106	.140	.114	.091	.096	.079	.064	.055	.046	.037	.018	.015	.012	
3.0	.155	.114	.082	.133	.098	.071	.091	.068	.050	.053	.040	.029	.017	.013	.010	
4.0	.147	.100	.065	.126	.086	.056	.086	.060	.039	.050	.035	.023	.016	.011	.008	
5.0	.139	.089	.052	.120	.077	.045	.082	.054	.032	.048	.032	.019	.015	.010	.006	
6.0	.133	.081	.043	.114	.070	.038	.079	.049	.027	.046	.029	.016	.015	.009	.005	
7.0	.127	.074	.036	.109	.064	.032	.075	.045	.022	.044	.026	.013	.014	.009	.004	
8.0	.121	.068	.031	.104	.059	.027	.072	.041	.019	.042	.024	.011	.014	.008	.004	
9.0	.116	.063	.027	.100	.055	.024	.069	.038	.017	.040	.023	.010	.013	.007	.003	
10.0	.111	.059	.024	.095	.051	.021	.066	.036	.015	.039	.021	.009	.013	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2024-8-22

$\gamma$  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:219.3V I:0.4755A P:101.5W PF:0.9730 Freq:50.01Hz Lamp Flux:18035.1x1 lm											
NAME: AOK HBE					TYPE:			WEIGHT:			
SPEC.:AOK-100WHBE-NV-L2-00-3080-90D-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	27.0	28.3	27.3	28.5	28.7	27.1	28.4	27.4	28.6	28.8	
	3H	27.1	28.3	27.4	28.5	28.7	27.2	28.4	27.5	28.6	28.9
	4H	27.1	28.2	27.4	28.4	28.7	27.2	28.3	27.5	28.6	28.8
	6H	27.0	28.0	27.3	28.3	28.6	27.1	28.2	27.5	28.5	28.7
	8H	27.0	28.0	27.3	28.2	28.5	27.1	28.1	27.4	28.4	28.7
	12H	26.9	27.9	27.3	28.2	28.4	27.1	28.0	27.4	28.3	28.6
4H	2H	27.0	28.1	27.3	28.4	28.6	27.1	28.2	27.4	28.5	28.7
	3H	27.2	28.1	27.5	28.4	28.7	27.3	28.3	27.6	28.5	28.8
	4H	27.2	28.0	27.5	28.4	28.7	27.3	28.2	27.7	28.5	28.8
	6H	27.1	27.9	27.5	28.2	28.6	27.3	28.0	27.7	28.4	28.7
	8H	27.1	27.8	27.5	28.2	28.5	27.2	27.9	27.6	28.3	28.7
	12H	27.1	27.7	27.5	28.1	28.5	27.2	27.8	27.6	28.2	28.6
8H	4H	27.1	27.8	27.5	28.2	28.5	27.2	27.9	27.6	28.3	28.7
	6H	27.1	27.6	27.5	28.0	28.5	27.2	27.8	27.6	28.2	28.6
	8H	27.0	27.5	27.5	28.0	28.4	27.2	27.7	27.6	28.1	28.5
	12H	27.0	27.4	27.5	27.9	28.3	27.1	27.6	27.6	28.0	28.5
12H	4H	27.1	27.7	27.5	28.1	28.5	27.2	27.8	27.6	28.2	28.6
	6H	27.0	27.5	27.5	28.0	28.4	27.2	27.7	27.6	28.1	28.5
	8H	27.0	27.4	27.5	27.9	28.3	27.1	27.6	27.6	28.0	28.5
Variations with the observer position at spacings:											
S = 1.0H	+ 1.6 / - 2.4					+ 1.5 / - 2.2					
1.5H	+ 1.4 / - 1.7					+ 1.3 / - 1.6					
2.0H	+ 3.2 / - 2.9					+ 2.9 / - 2.9					

CIE Pub.117, 18035 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 10.0$ )

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2024-8-22

$\gamma$  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:219.3V I:0.4755A P:101.5W PF:0.9730 Freq:50.01Hz Lamp Flux:18035.1x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-L2-00-3080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 263mm	Shielding Angle:

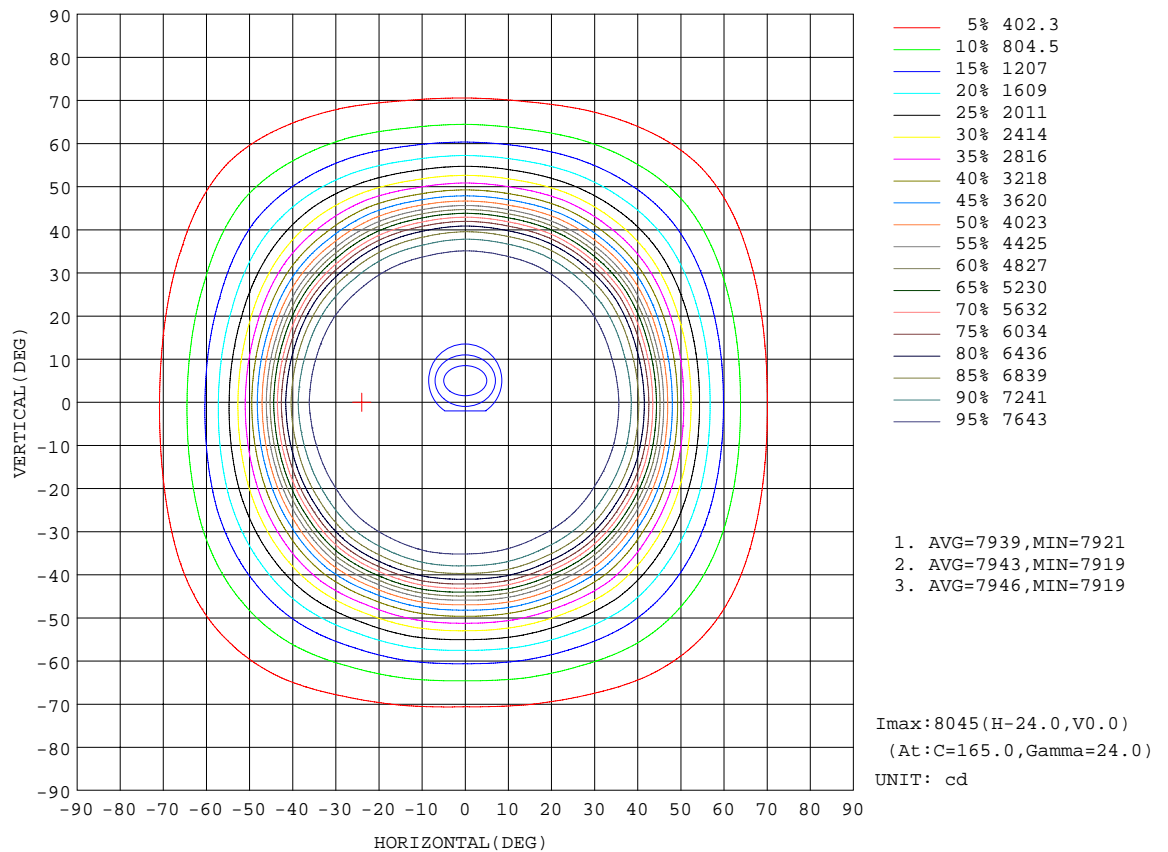
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT)    k(RI) x RCR = 5									
k = 0.60	68	59	53	68	58	53	67	58	53	47
0.80	78	69	63	78	69	63	76	68	63	57
1.00	86	78	72	85	77	72	83	78	71	66
1.25	93	85	79	91	84	79	89	83	78	72
1.50	97	90	84	95	89	84	93	87	83	77
2.00	102	96	91	101	95	90	97	93	89	83
2.50	105	99	95	103	98	94	100	95	92	85
3.00	107	102	98	105	101	97	102	98	95	88
4.00	110	106	103	108	104	101	104	101	99	91
5.00	112	108	105	110	106	104	105	103	101	92
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHRNM = 1.25		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-22

$\gamma$  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:

## ISOCANDELA DIAGRAM

Test:U:219.3V I:0.4755A P:101.5W PF:0.9730 Freq:50.01Hz Lamp Flux:18035.1x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-L2-00-3080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 263mm	Shielding Angle:



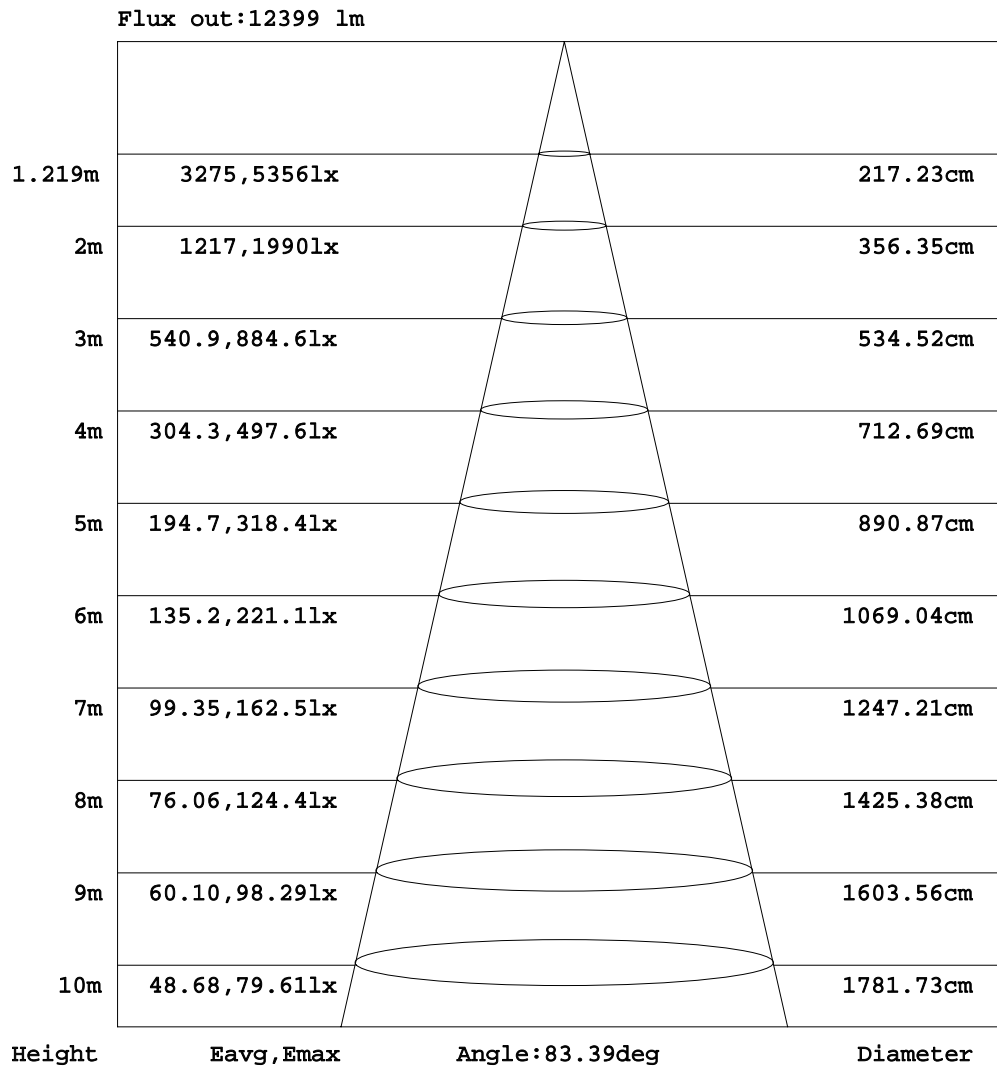
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-22

$\gamma$  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:219.3V I:0.4755A P:101.5W PF:0.9730 Freq:50.01Hz Lamp Flux:18035.1x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-L2-00-3080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:



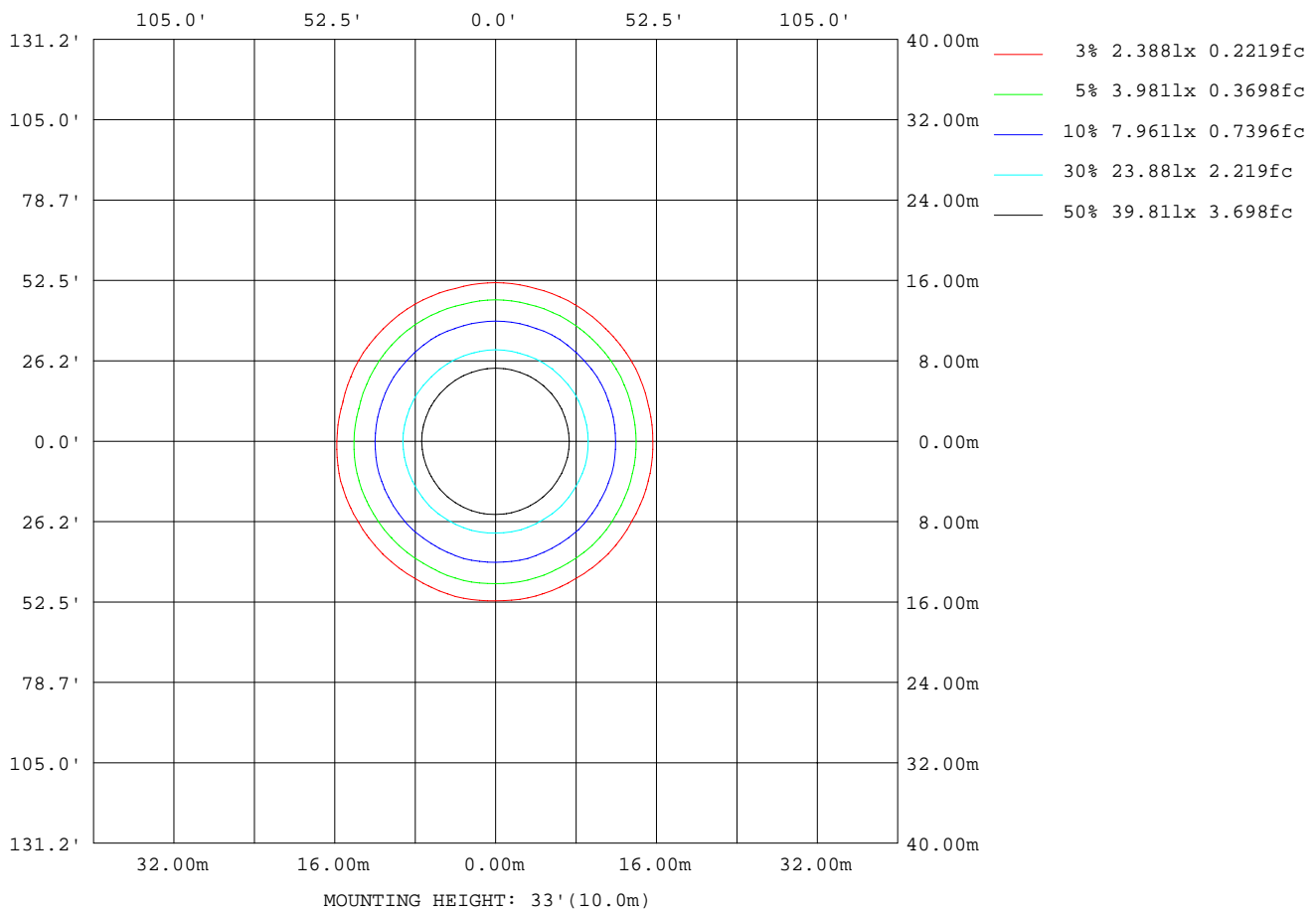
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-22

$\gamma$  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:219.3V I:0.4755A P:101.5W PF:0.9730 Freq:50.01Hz Lamp Flux:18035.1x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-L2-00-3080-90D-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:2024-8-22

$\gamma$  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:219.3V I:0.4755A P:101.5W PF:0.9730 Freq:50.01Hz Lamp Flux:18035.1x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-L2-00-3080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

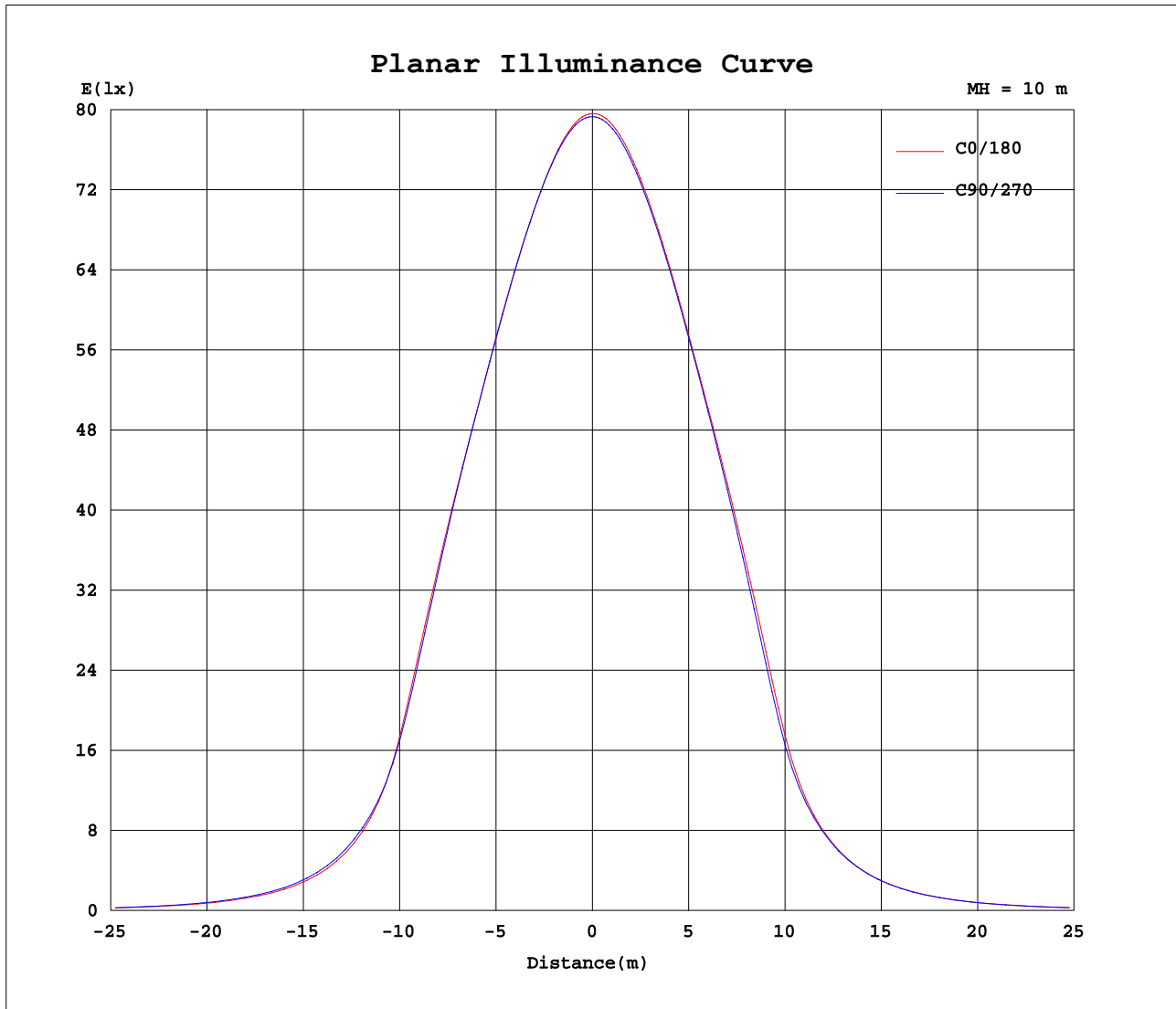
AvgL	cd/m2
L_0~180 (65) av	31990
L_0~180 (75) av	15265
L_0~180 (85) av	2224
L_90~270 (65) av	33258
L_90~270 (75) av	15213
L_90~270 (85) av	2280
L_45 (65) av	33176
L_45 (75) av	15439
L_45 (85) av	2340

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-22

$\gamma$  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: 2024-8-22

$\gamma$  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:219.3V I:0.4755A P:101.5W PF:0.9730 Freq:50.01Hz Lamp Flux:18035.1x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-L2-00-3080-90D-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	7936	7936	7936	7936	7936	7936	7936	7936	7936	7936	7936	7936	7936	7936	7936	7936	7936	7936	7936
5	7935	7935	7935	7936	7938	7940	7942	7944	7946	7947	7949	7948	7948	7948	7946	7946	7945	7944	7942
10	7938	7937	7938	7940	7945	7950	7954	7957	7960	7962	7965	7965	7964	7964	7962	7961	7960	7958	7955
15	7947	7949	7951	7956	7965	7971	7978	7980	7984	7987	7990	7990	7985	7988	7985	7986	7984	7982	7975
20	7966	7969	7973	7979	7988	7996	8005	8008	8014	8015	8018	8019	8010	8016	8016	8017	8015	8012	8006
25	7966	7970	7971	7980	7989	8001	8012	8017	8019	8021	8021	8026	8018	8022	8024	8026	8022	8017	8011
30	7904	7909	7907	7915	7918	7932	7939	7952	7957	7961	7958	7967	7963	7968	7971	7960	7958	7947	7949
35	7677	7682	7657	7665	7650	7670	7670	7707	7705	7723	7712	7730	7738	7717	7709	7661	7655	7636	7661
40	6885	6899	6822	6828	6761	6797	6763	6845	6841	6904	6853	6888	6931	6842	6789	6663	6682	6651	6715
45	4887	4947	4803	4856	4782	4874	4800	4904	4870	4962	4823	4871	4931	4790	4738	4613	4679	4634	4684
50	2981	3024	3022	3132	3100	3149	3130	3155	3093	3148	3092	3080	3062	3003	3047	3001	3057	2978	3019
55	1883	1913	1938	2014	1986	2037	2023	2059	1998	2029	2010	2028	1958	1914	1955	1991	1974	1933	1959
60	1188	1217	1230	1267	1264	1299	1279	1310	1269	1285	1277	1308	1241	1222	1280	1262	1270	1240	1243
65	707	732	738	761	758	783	769	792	774	789	778	798	762	735	786	770	777	749	758
70	403	418	426	437	433	446	435	455	448	463	452	467	447	427	454	448	451	431	431
75	199	203	208	214	207	219	218	224	220	238	228	235	230	216	229	214	222	209	210
80	77.6	72.9	61.3	79.2	55.1	82.5	87.2	87.6	64.5	98.4	75.1	86.4	96.0	90.3	67.9	87.5	69.0	79.6	84.3
85	7.46	6.67	7.94	10.1	8.94	8.26	11.3	9.11	10.7	14.0	11.4	11.0	13.6	9.14	10.8	12.1	10.5	6.84	10.3
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:2024-8-22

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:219.3V I:0.4755A P:101.5W PF:0.9730 Freq:50.01Hz Lamp Flux:18035.1x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-100WHBE-NV-L2-00-3080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	7936	7936	7936	7936	7936														
5	7941	7938	7936	7936	7935														
10	7951	7947	7943	7941	7939														
15	7970	7964	7959	7956	7953														
20	7999	7990	7984	7978	7977														
25	8003	7996	7988	7984	7980														
30	7939	7938	7927	7926	7920														
35	7654	7682	7677	7698	7685														
40	6703	6788	6804	6876	6854														
45	4637	4730	4729	4863	4818														
50	2984	3037	2988	3016	2990														
55	1934	1937	1906	1926	1890														
60	1229	1226	1207	1217	1200														
65	736	741	727	737	716														
70	419	424	417	420	406														
75	206	204	202	202	198														
80	80.6	58.8	72.5	57.7	75.0														
85	6.80	8.97	8.07	7.92	5.47														
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:2024-8-22

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: