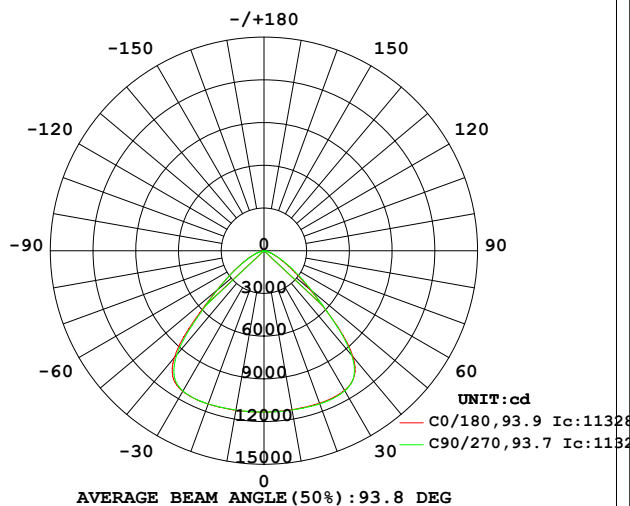


## LUMINAIRE PHOTOMETRIC TEST REPORT

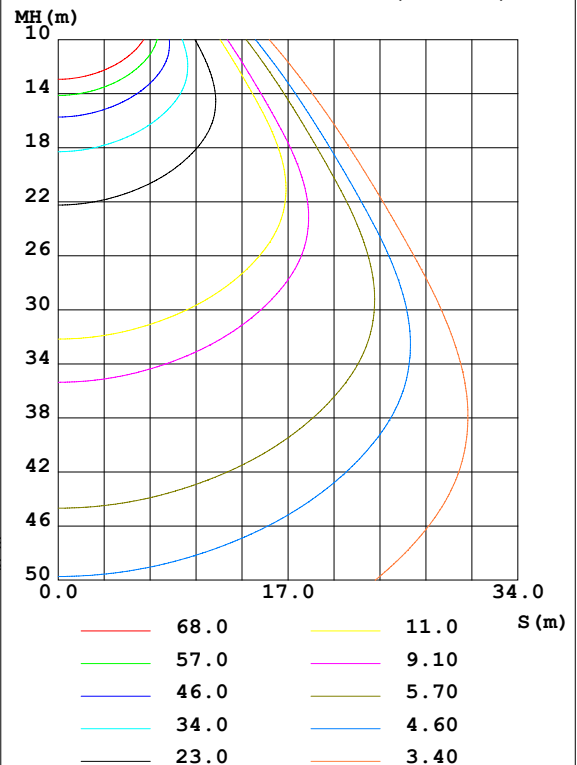
Test:U:219.3V I:0.6984A P:150.8W PF:0.9848 Freq:50.00Hz Lamp Flux:25676.7x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-L2-00-3080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 170.23 lm/W			
MODEL	2835	I <sub>max</sub> (cd)	11490	S/MH (C0/180)	1.37
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.35
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	25677	$\eta$ UP,DN (C0-180)	0.0,50.2
NOMINAL FLUX (lm)	25676.7	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	1133	1135	1136	1137	1137	1139	1136	1135	0- 10	1083	1083	4.22,4.22
20	1140	1142	1144	1145	1146	1147	1145	1142	10- 20	3231	4314	16.8,16.8
30	1132	1134	1136	1139	1140	1139	1137	1135	20- 30	5292	9607	37.4,37.4
40	973.3	968.9	958.8	979.0	979.9	942.0	951.9	964.1	30- 40	6773	16380	63.8,63.8
50	420.9	442.8	443.1	443.8	433.9	425.7	427.3	422.4	40- 50	5251	21631	84.2,84.2
60	167.3	180.2	180.8	182.5	176.5	179.4	176.4	169.5	50- 60	2559	24190	94.2,94.2
70	57.77	62.86	61.83	66.31	64.01	64.84	61.63	59.81	60- 70	1106	25296	98.5,98.5
80	11.42	11.64	13.09	14.36	13.97	13.13	12.44	10.93	70- 80	348.3	25644	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	32.84	25677	100,100
100	0	0	0	0	0	0	0	0	90-100	0	25677	100,100
110	0	0	0	0	0	0	0	0	100-110	0	25677	100,100
120	0	0	0	0	0	0	0	0	110-120	0	25677	100,100
130	0	0	0	0	0	0	0	0	120-130	0	25677	100,100
140	0	0	0	0	0	0	0	0	130-140	0	25677	100,100
150	0	0	0	0	0	0	0	0	140-150	0	25677	100,100
160	0	0	0	0	0	0	0	0	150-160	0	25677	100,100
170	0	0	0	0	0	0	0	0	160-170	0	25677	100,100
180	0	0	0	0	0	0	0	0	170-180	0	25677	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 19443 lm

%lum = 75.7%

%lamp = 75.7%

Conical surface Flux(120deg): 24190 lm

%lum = 94.2%

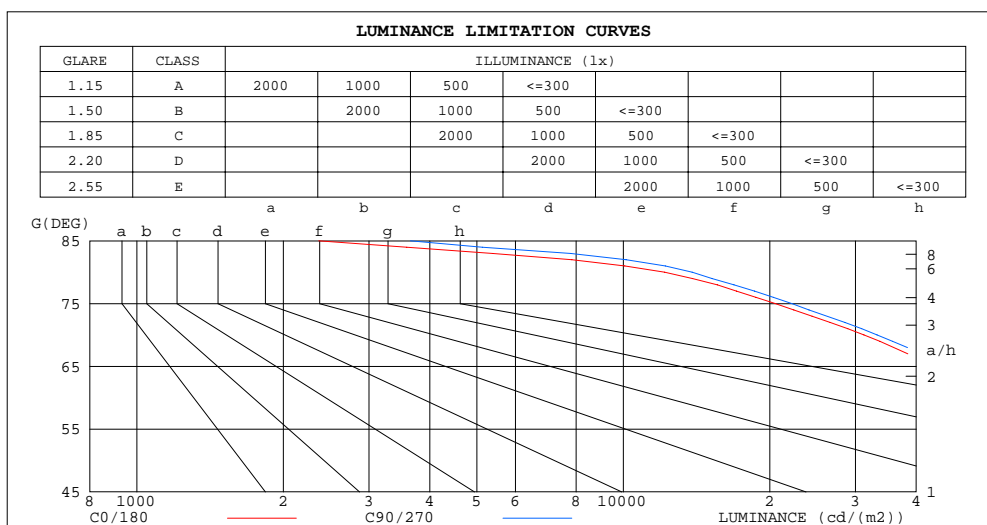
%lamp = 94.2%

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:0.6984A P:150.8W PF:0.9848 Freq:50.00Hz Lamp Flux:25676.7x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-L2-00-3080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:



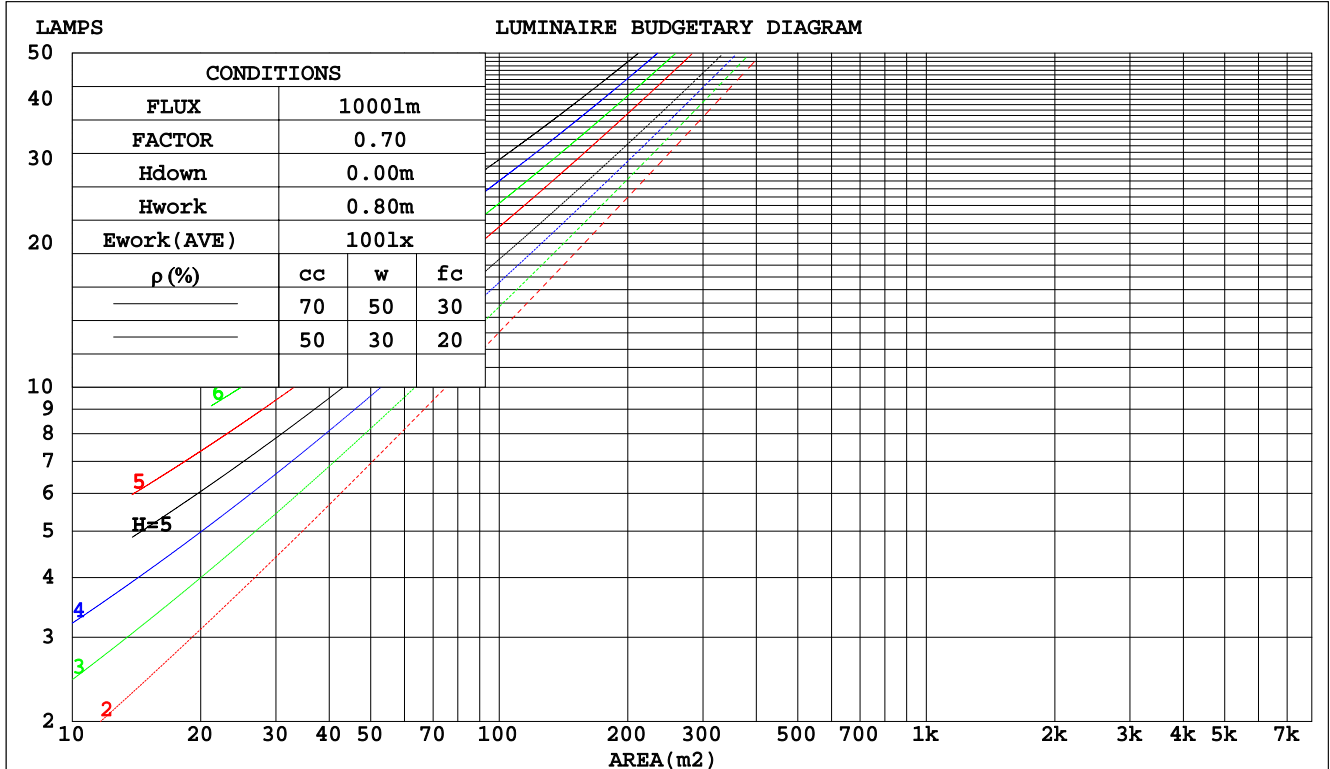
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-22

$\gamma$  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:0.6984A P:150.8W PF:0.9848 Freq:50.00Hz Lamp Flux:25676.7x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-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	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	1.08	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	.66	.75	.69	.65	.73	.68	.64	.71	.67	.63	.61
5.0	.72	.64	.58	.71	.63	.58	.69	.62	.57	.67	.61	.57	.65	.60	.56	.54
6.0	.65	.57	.52	.64	.57	.52	.63	.56	.51	.61	.55	.51	.60	.54	.50	.48
7.0	.60	.52	.46	.59	.51	.46	.57	.51	.46	.56	.50	.46	.55	.49	.45	.44
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	.36
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:0.6984A P:150.8W PF:0.9848 Freq:50.00Hz Lamp Flux:25676.7x1 lm					
NAME: AOK HBE			TYPE:		WEIGHT:
SPEC.:AOK-150WHBE-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	.228	.125	.038	.223	.123	.038	.211	.118	.037	.201	.113	.035	.192	.108	.034	
3.0	.218	.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	.025	
7.0	.176	.087	.025	.172	.086	.024	.166	.084	.024	.161	.082	.024	.155	.081	.024	
8.0	.166	.081	.023	.163	.081	.023	.158	.079	.023	.153	.077	.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	.019	

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:0.6984A P:150.8W PF:0.9848 Freq:50.00Hz Lamp Flux:25676.7x1 lm												
NAME: AOK HBE					TYPE:			WEIGHT:				
SPEC.:AOK-150WHBE-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	28.2	29.5	28.4	29.7	29.9	28.3	29.6	28.6	29.8	30.0		
	3H	28.3	29.5	28.6	29.7	29.9	28.4	29.6	28.7	29.8	30.0	
	4H	28.3	29.4	28.6	29.6	29.9	28.4	29.5	28.7	29.8	30.0	
	6H	28.2	29.2	28.5	29.5	29.8	28.3	29.4	28.7	29.6	29.9	
	8H	28.2	29.2	28.5	29.4	29.7	28.3	29.3	28.6	29.6	29.9	
	12H	28.1	29.1	28.4	29.3	29.6	28.3	29.2	28.6	29.5	29.8	
	4H	2H	28.2	29.3	28.5	29.6	29.8	28.3	29.4	28.6	29.6	29.9
		3H	28.4	29.3	28.7	29.6	29.9	28.5	29.5	28.8	29.7	30.0
		4H	28.4	29.2	28.7	29.6	29.9	28.5	29.4	28.9	29.7	30.0
		6H	28.3	29.1	28.7	29.4	29.8	28.5	29.2	28.9	29.6	29.9
		8H	28.3	29.0	28.7	29.4	29.7	28.4	29.1	28.8	29.5	29.9
		12H	28.3	28.9	28.7	29.3	29.7	28.4	29.0	28.8	29.4	29.8
8H	4H	28.3	29.0	28.7	29.4	29.7	28.4	29.1	28.8	29.5	29.9	
	6H	28.3	28.8	28.7	29.2	29.7	28.4	29.0	28.8	29.4	29.8	
	8H	28.2	28.7	28.7	29.2	29.6	28.4	28.9	28.8	29.3	29.7	
	12H	28.2	28.6	28.7	29.1	29.5	28.3	28.8	28.8	29.2	29.7	
12H	4H	28.3	28.9	28.7	29.3	29.7	28.4	29.0	28.8	29.4	29.8	
	6H	28.2	28.7	28.7	29.2	29.6	28.4	28.9	28.8	29.3	29.7	
	8H	28.2	28.6	28.7	29.1	29.5	28.3	28.8	28.8	29.2	29.7	
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	+ 3.1 / - 2.8					+ 2.9 / - 2.7						

CIE Pub.117, 25677 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 11.3$ )

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:0.6984A P:150.8W PF:0.9848 Freq:50.00Hz Lamp Flux:25676.7x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-L2-00-3080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 263mm	Shielding Angle:

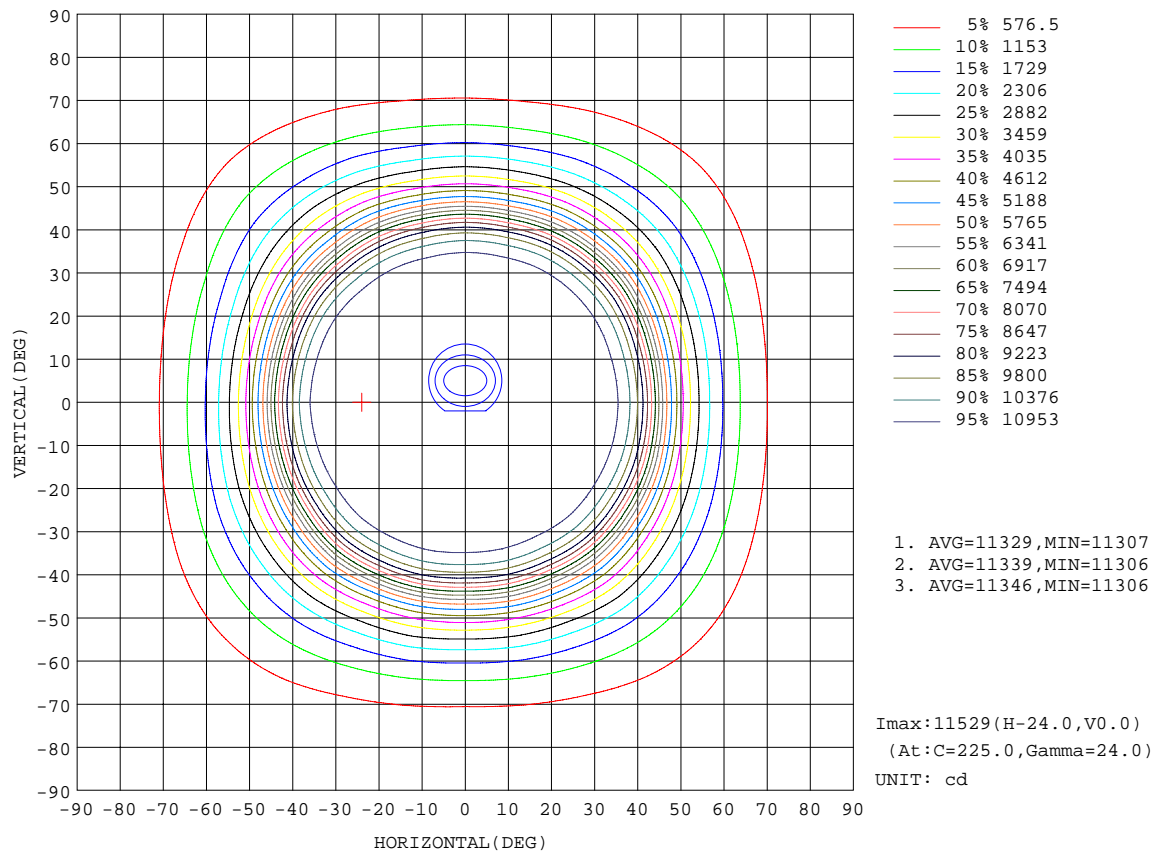
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	68	59	53	68	59	53	67	58	53	47
0.80	79	69	63	78	69	63	76	68	63	57
1.00	86	78	72	85	77	72	83	78	71	66
1.25	93	85	79	92	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	91	98	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					SHRNOM = 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:0.6984A P:150.8W PF:0.9848 Freq:50.00Hz Lamp Flux:25676.7x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-L2-00-3080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 263mm	Shielding Angle:



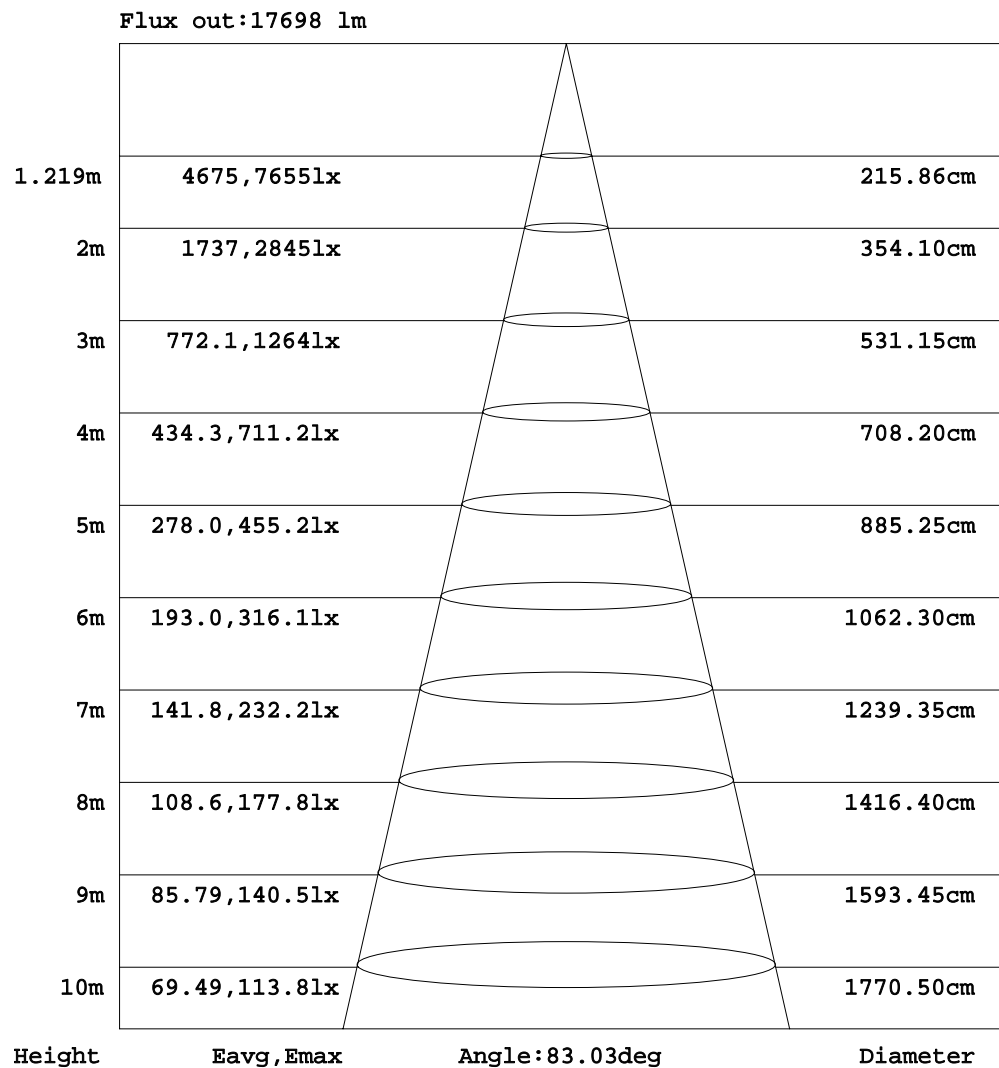
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-22

$\gamma$  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:0.6984A P:150.8W PF:0.9848 Freq:50.00Hz Lamp Flux:25676.7x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-L2-00-3080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:



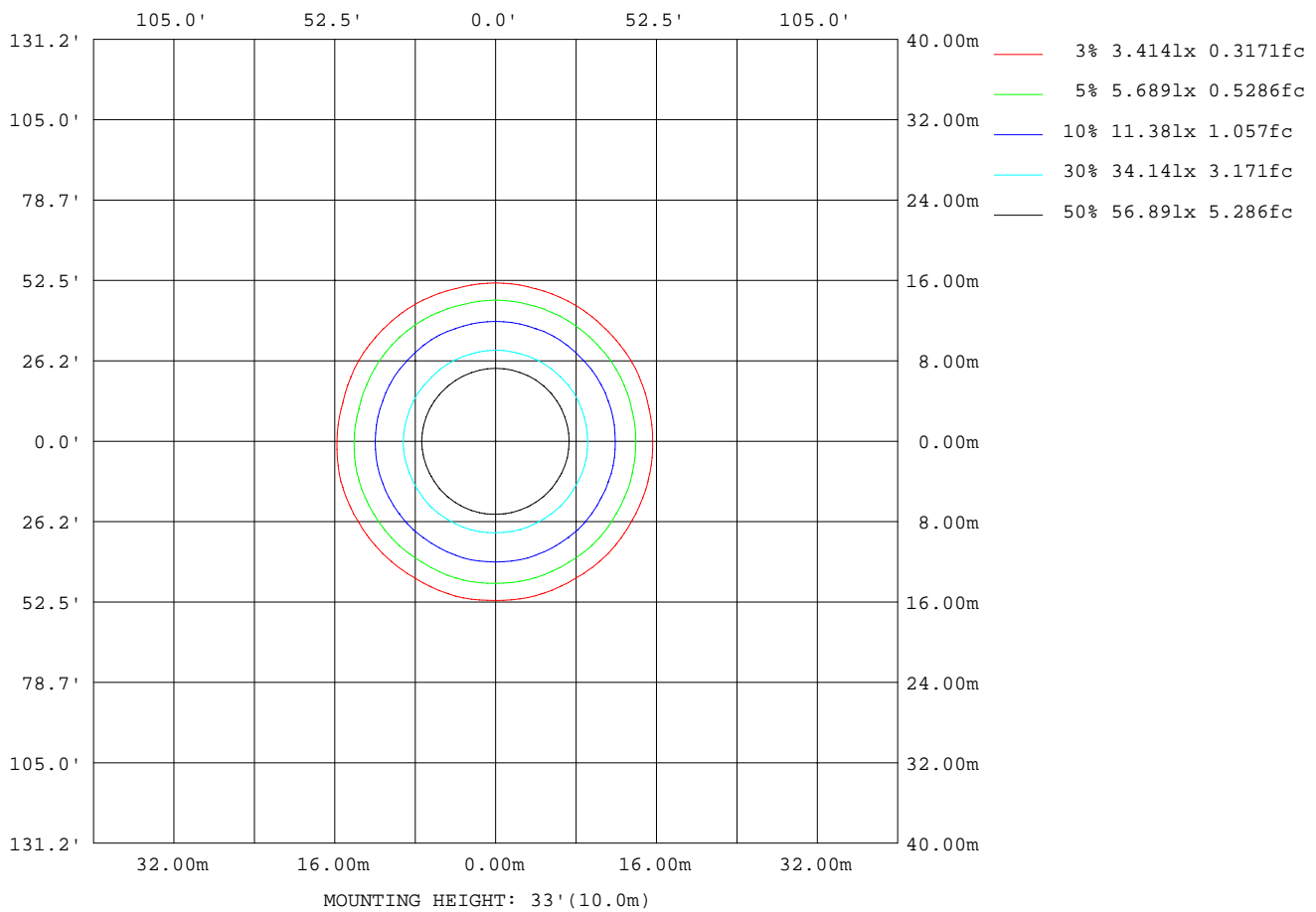
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.6984A P:150.8W PF:0.9848 Freq:50.00Hz Lamp Flux:25676.7x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-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:0.6984A P:150.8W PF:0.9848 Freq:50.00Hz Lamp Flux:25676.7x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-L2-00-3080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

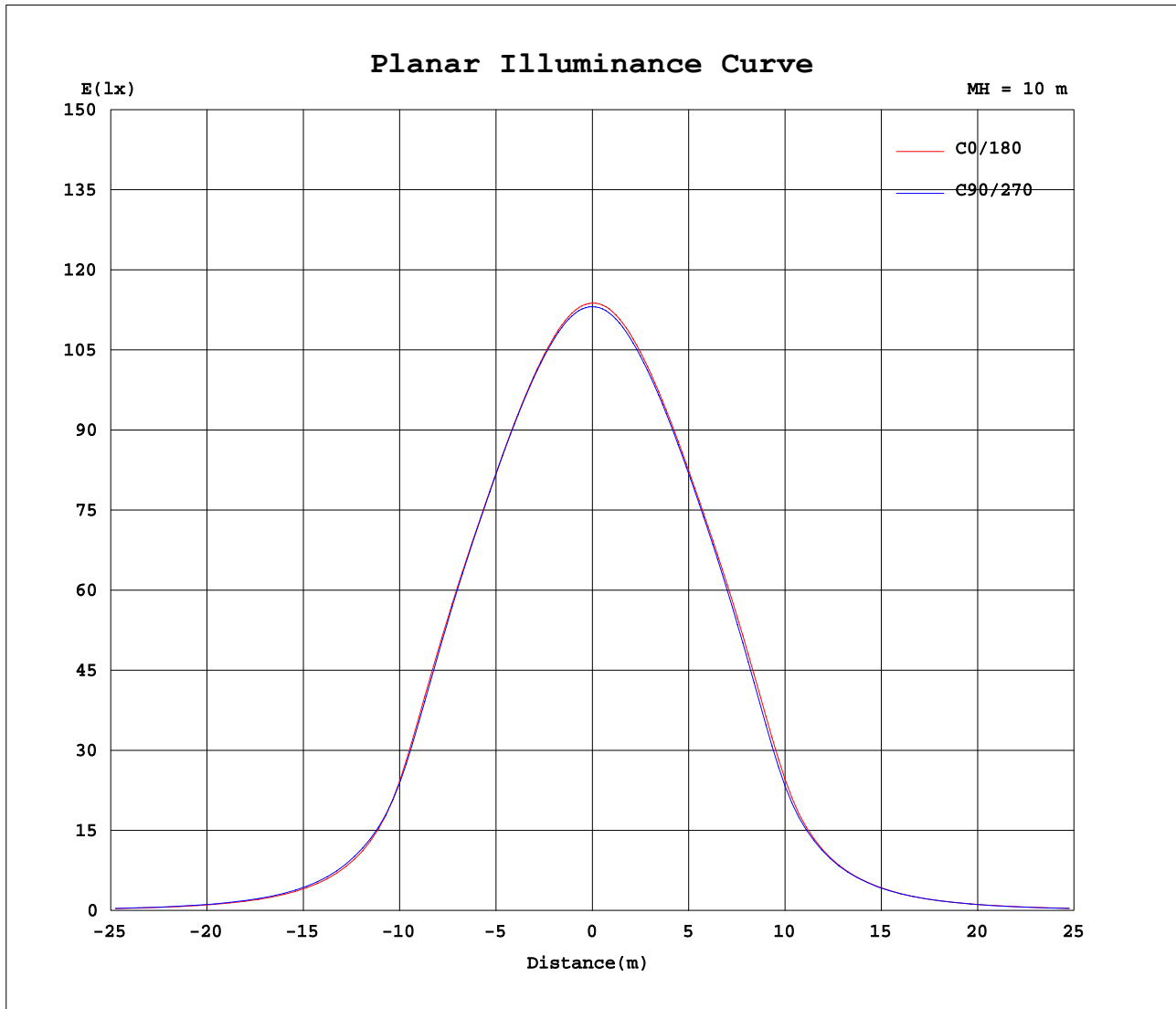
AvgL	cd/m2
L_0~180 (65) av	45539
L_0~180 (75) av	21970
L_0~180 (85) av	3367
L_90~270 (65) av	47474
L_90~270 (75) av	21988
L_90~270 (85) av	3504
L_45 (65) av	47433
L_45 (75) av	22403
L_45 (85) av	3563

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:0.6984A P:150.8W PF:0.9848 Freq:50.00Hz Lamp Flux:25676.7x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-L2-00-3080-90D-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	1133	1133	1133	1133	1133	1133	1133	1133	1133	1133	1133	1133	1133	1133	1133	1133	1133	1133	1133
5	1133	1133	1133	1134	1133	1134	1134	1134	1134	1134	1135	1135	1135	1135	1135	1135	1134	1134	1134
10	1133	1135	1134	1135	1135	1135	1136	1136	1136	1137	1137	1137	1137	1137	1137	1139	1137	1137	1136
15	1136	1137	1136	1138	1138	1139	1140	1140	1140	1141	1141	1141	1141	1142	1141	1143	1141	1141	1140
20	1140	1140	1140	1142	1142	1143	1144	1144	1145	1145	1146	1146	1146	1147	1147	1147	1147	1146	1145
25	1140	1141	1141	1143	1143	1144	1146	1146	1147	1147	1147	1148	1148	1149	1149	1149	1148	1147	1146
30	1132	1132	1132	1134	1133	1135	1136	1137	1138	1139	1138	1140	1140	1142	1141	1139	1139	1137	1137
35	1097	1097	1094	1097	1093	1095	1095	1100	1100	1103	1101	1104	1105	1103	1100	1092	1092	1089	1093
40	973	975	965	969	958	964	959	971	971	979	971	976	980	968	959	942	946	942	952
45	682	690	672	682	671	686	676	692	686	698	678	684	693	673	666	649	660	654	661
50	421	427	426	443	438	444	443	446	437	444	438	436	434	426	431	426	433	422	427
55	267	273	275	287	282	290	286	294	283	289	286	289	279	272	279	283	282	274	279
60	167	173	174	180	179	184	181	185	180	183	182	186	176	172	182	179	181	175	176
65	100	104	105	108	109	111	110	112	111	112	112	114	109	105	112	111	111	108	108
70	57.8	60.1	61.3	62.9	62.3	63.8	61.8	64.8	64.2	66.3	65.0	66.8	64.0	61.7	65.7	64.8	64.9	62.0	61.6
75	28.7	30.0	30.2	31.3	30.1	32.0	31.2	32.5	31.7	34.3	32.9	33.7	33.0	31.5	33.0	31.1	32.5	30.3	30.6
80	11.4	10.6	8.99	11.6	8.11	12.0	13.1	12.6	10.2	14.4	11.1	12.6	14.0	13.3	10.1	13.1	10.2	11.7	12.4
85	1.11	1.00	1.20	1.54	1.32	1.24	1.73	1.35	1.58	2.09	1.74	1.63	2.07	1.37	1.67	1.87	1.62	1.03	1.59
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

$\gamma$  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:0.6984A P:150.8W PF:0.9848 Freq:50.00Hz Lamp Flux:25676.7x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-L2-00-3080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:Φ263mm	Shielding Angle:

Table--2

UNIT: ×10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1133	1133	1133	1133	1133														
5	1134	1133	1133	1133	1133														
10	1136	1135	1135	1134	1134														
15	1139	1138	1138	1137	1136														
20	1144	1143	1142	1141	1141														
25	1145	1144	1143	1142	1142														
30	1136	1136	1135	1135	1134														
35	1092	1097	1097	1100	1097														
40	949	962	964	975	971														
45	654	666	665	683	676														
50	423	429	422	426	423														
55	274	276	270	274	268														
60	173	174	169	173	169														
65	105	106	103	105	102														
70	60.0	60.7	59.8	60.5	58.5														
75	29.7	30.5	29.2	29.8	28.8														
80	11.9	8.69	10.9	8.43	10.9														
85	1.03	1.36	1.25	1.20	0.83														
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: