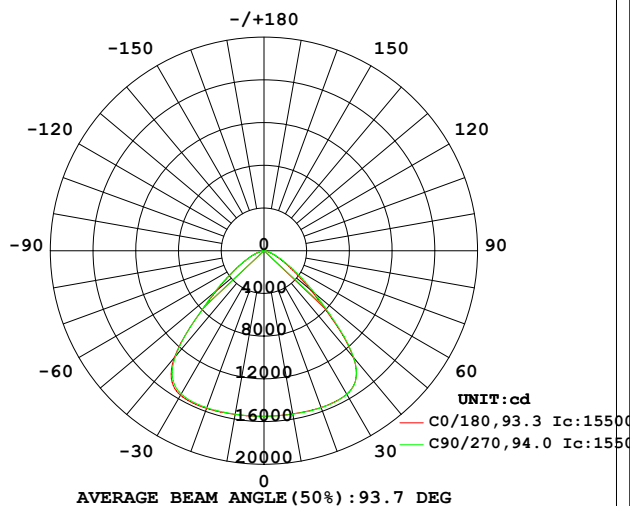


## LUMINAIRE PHOTOMETRIC TEST REPORT

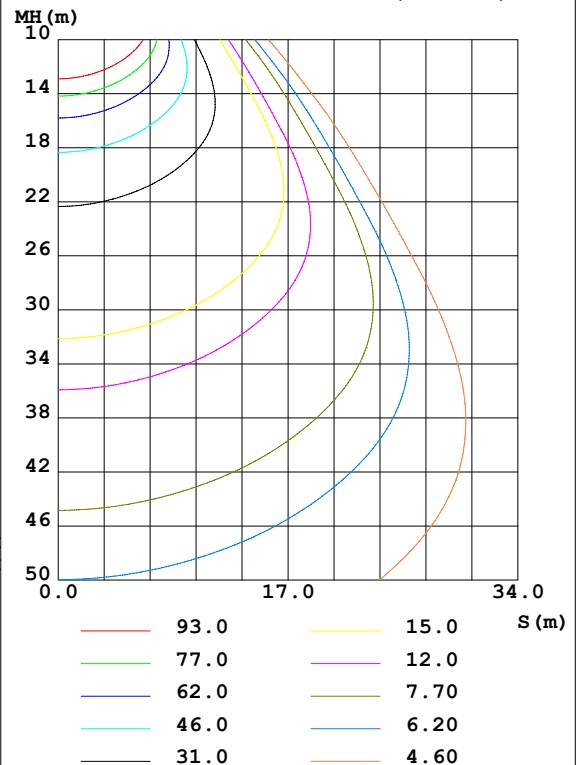
Test:U:219.2V I:0.9008A P:195.5W PF:0.9897 Freq:50.00Hz Lamp Flux:35018.7x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-L2-00-4080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 179.16 lm/W			
MODEL	2835	I <sub>max</sub> (cd)	15749	S/MH (C0/180)	1.35
NOMINAL POWER (W)	200	LOR (%)	100.0	S/MH (C90/270)	1.35
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	35019	$\eta$ UP,DN (C0-180)	0.0,50.2
NOMINAL FLUX (lm)	35018.7	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	1551	1551	1554	1555	1557	1556	1554	1552	0- 10	1481	1481	4.23,4.23
20	1562	1561	1564	1567	1571	1571	1565	1561	10- 20	4422	5903	16.9,16.9
30	1551	1550	1551	1557	1563	1558	1549	1551	20- 30	7237	13140	37.5,37.5
40	1302	1312	1309	1330	1306	1277	1288	1312	30- 40	9219	22359	63.8,63.8
50	571.7	613.3	625.2	599.5	583.6	587.3	605.5	565.6	40- 50	7136	29495	84.2,84.2
60	225.6	234.5	249.1	252.4	241.1	231.6	246.4	232.3	50- 60	3492	32987	94.2,94.2
70	81.20	77.12	87.65	89.06	90.62	78.73	88.52	79.70	60- 70	1510	34496	98.5,98.5
80	15.95	14.87	17.89	17.23	19.71	16.23	17.77	13.38	70- 80	476.8	34973	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	45.48	35019	100,100
100	0	0	0	0	0	0	0	0	90-100	0	35019	100,100
110	0	0	0	0	0	0	0	0	100-110	0	35019	100,100
120	0	0	0	0	0	0	0	0	110-120	0	35019	100,100
130	0	0	0	0	0	0	0	0	120-130	0	35019	100,100
140	0	0	0	0	0	0	0	0	130-140	0	35019	100,100
150	0	0	0	0	0	0	0	0	140-150	0	35019	100,100
160	0	0	0	0	0	0	0	0	150-160	0	35019	100,100
170	0	0	0	0	0	0	0	0	160-170	0	35019	100,100
180	0	0	0	0	0	0	0	0	170-180	0	35019	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 26509 lm

%lum = 75.7%

%lamp = 75.7%

Conical surface Flux(120deg): 32987 lm

%lum = 94.2%

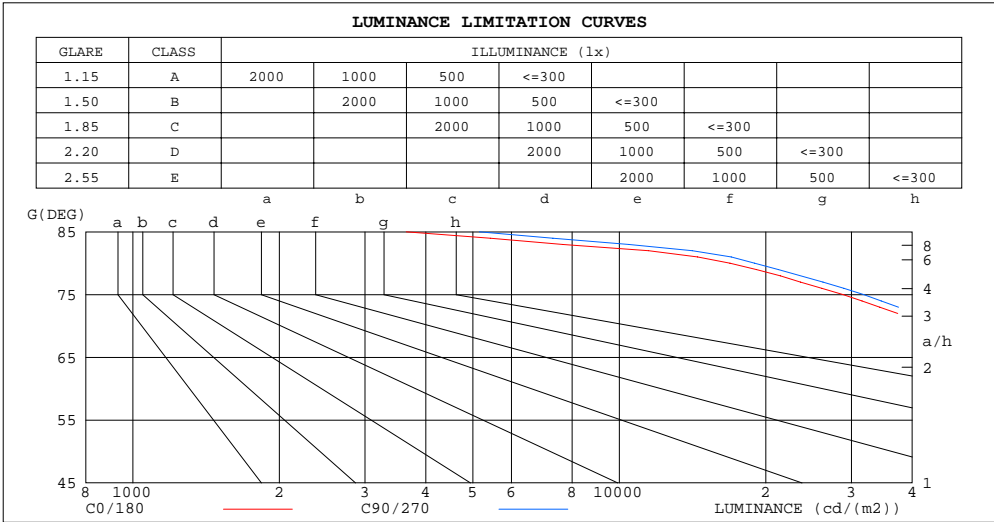
%lamp = 94.2%

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:219.2V I:0.9008A P:195.5W PF:0.9897 Freq:50.00Hz Lamp Flux:35018.7x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-L2-00-4080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:Φ263mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	3649	5156
80	16887	18969
75	28833	31778
70	43653	47194
65	60166	65802
60	82967	91743
55	114633	128907
50	163535	179116
45	234390	243904

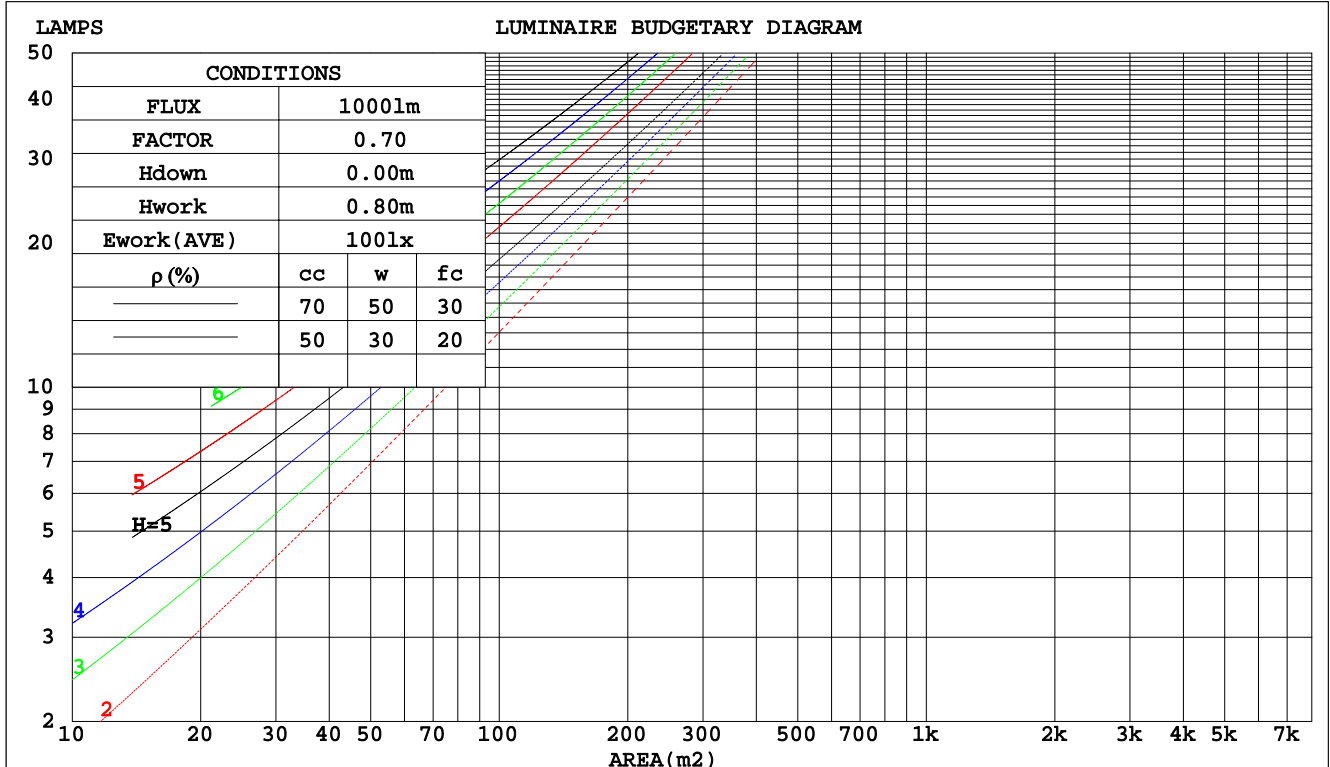
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-22

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:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.2V I:0.9008A P:195.5W PF:0.9897 Freq:50.00Hz Lamp Flux:35018.7x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-L2-00-4080-90D-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	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	.81	.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	.49
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	.51	.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	.35	.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:219.2V I:0.9008A P:195.5W PF:0.9897 Freq:50.00Hz Lamp Flux:35018.7x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-L2-00-4080-90D-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	.222	.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	.177	.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	.080	.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	.132	.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:219.2V I:0.9008A P:195.5W PF:0.9897 Freq:50.00Hz Lamp Flux:35018.7x1 lm										
NAME: AOK HBE					TYPE:			WEIGHT:		
SPEC.:AOK-200WHBE-NV-L2-00-4080-90D-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	29.2	30.5	29.5	30.7	30.9	29.5	30.8	29.7	31.0	31.1
3H	29.3	30.5	29.6	30.7	30.9	29.6	30.8	29.9	31.0	31.2
4H	29.3	30.4	29.6	30.7	30.9	29.6	30.7	29.9	31.0	31.2
6H	29.2	30.3	29.6	30.5	30.8	29.5	30.6	29.9	30.8	31.1
8H	29.2	30.2	29.5	30.5	30.7	29.5	30.5	29.8	30.8	31.1
12H	29.1	30.1	29.5	30.4	30.7	29.5	30.4	29.8	30.7	31.0
4H 2H	29.2	30.3	29.5	30.6	30.8	29.4	30.6	29.7	30.8	31.0
3H	29.4	30.4	29.7	30.6	30.9	29.7	30.6	30.0	30.9	31.2
4H	29.4	30.3	29.8	30.6	30.9	29.7	30.6	30.1	30.9	31.2
6H	29.4	30.1	29.8	30.5	30.8	29.7	30.4	30.0	30.8	31.1
8H	29.3	30.0	29.7	30.4	30.8	29.6	30.3	30.0	30.7	31.1
12H	29.3	29.9	29.7	30.3	30.7	29.6	30.2	30.0	30.6	31.0
8H 4H	29.3	30.0	29.7	30.4	30.8	29.6	30.3	30.0	30.7	31.0
6H	29.3	29.9	29.7	30.3	30.7	29.6	30.2	30.0	30.6	31.0
8H	29.3	29.8	29.7	30.2	30.6	29.6	30.1	30.0	30.5	30.9
12H	29.2	29.7	29.7	30.1	30.6	29.5	29.9	30.0	30.4	30.9
12H 4H	29.3	29.9	29.7	30.3	30.7	29.6	30.2	30.0	30.6	31.0
6H	29.3	29.8	29.7	30.2	30.6	29.5	30.1	30.0	30.5	30.9
8H	29.2	29.7	29.7	30.1	30.6	29.5	29.9	30.0	30.4	30.9
Variations with the observer position at spacings:										
S = 1.0H	+ 1.6 / - 2.4					+ 1.5 / - 2.1				
1.5H	+ 1.4 / - 1.7					+ 1.3 / - 1.6				
2.0H	+ 3.0 / - 2.8					+ 2.8 / - 2.6				

CIE Pub.117, 35019 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 12.4$ )

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:219.2V I:0.9008A P:195.5W PF:0.9897 Freq:50.00Hz Lamp Flux:35018.7x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-L2-00-4080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 263mm	Shielding Angle:

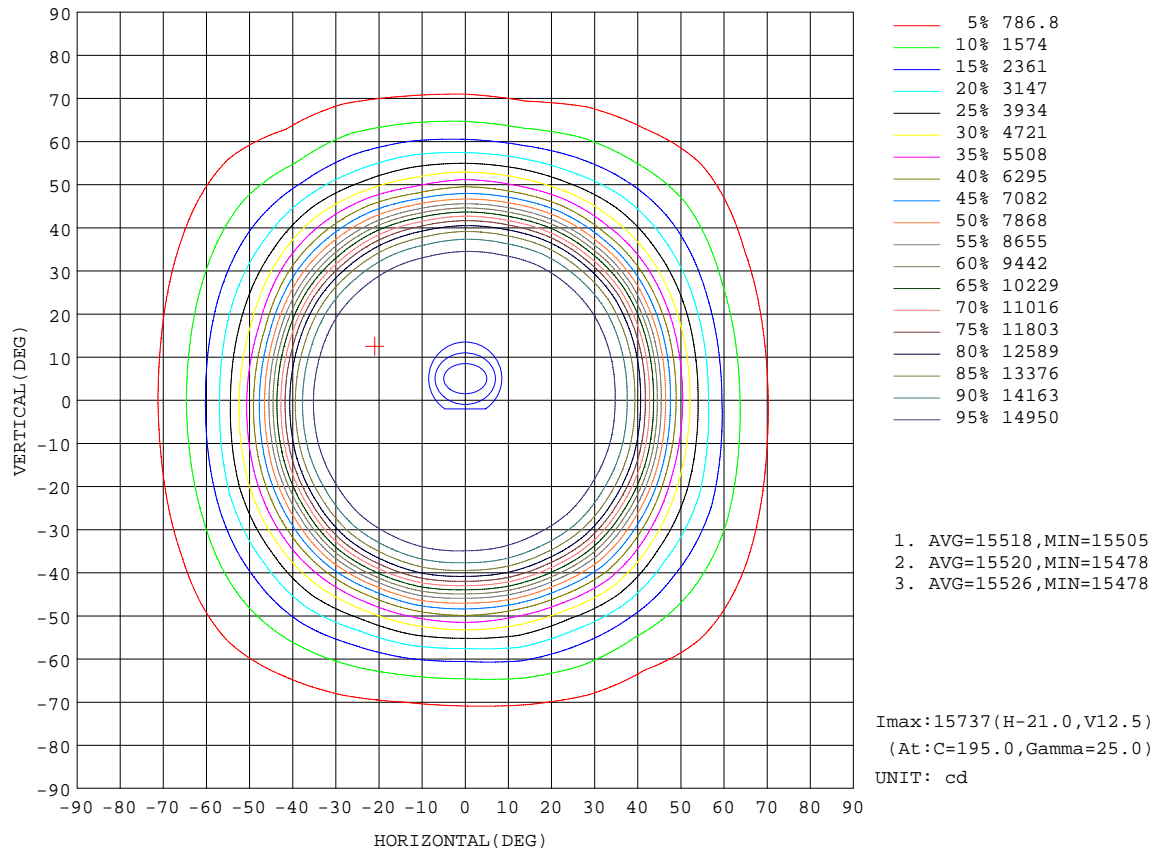
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	69	59	53	68	59	53	67	58	53	47
0.80	79	69	63	78	69	63	76	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	96	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  
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:0.9008A P:195.5W PF:0.9897 Freq:50.00Hz Lamp Flux:35018.7x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-L2-00-4080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 263mm	Shielding Angle:



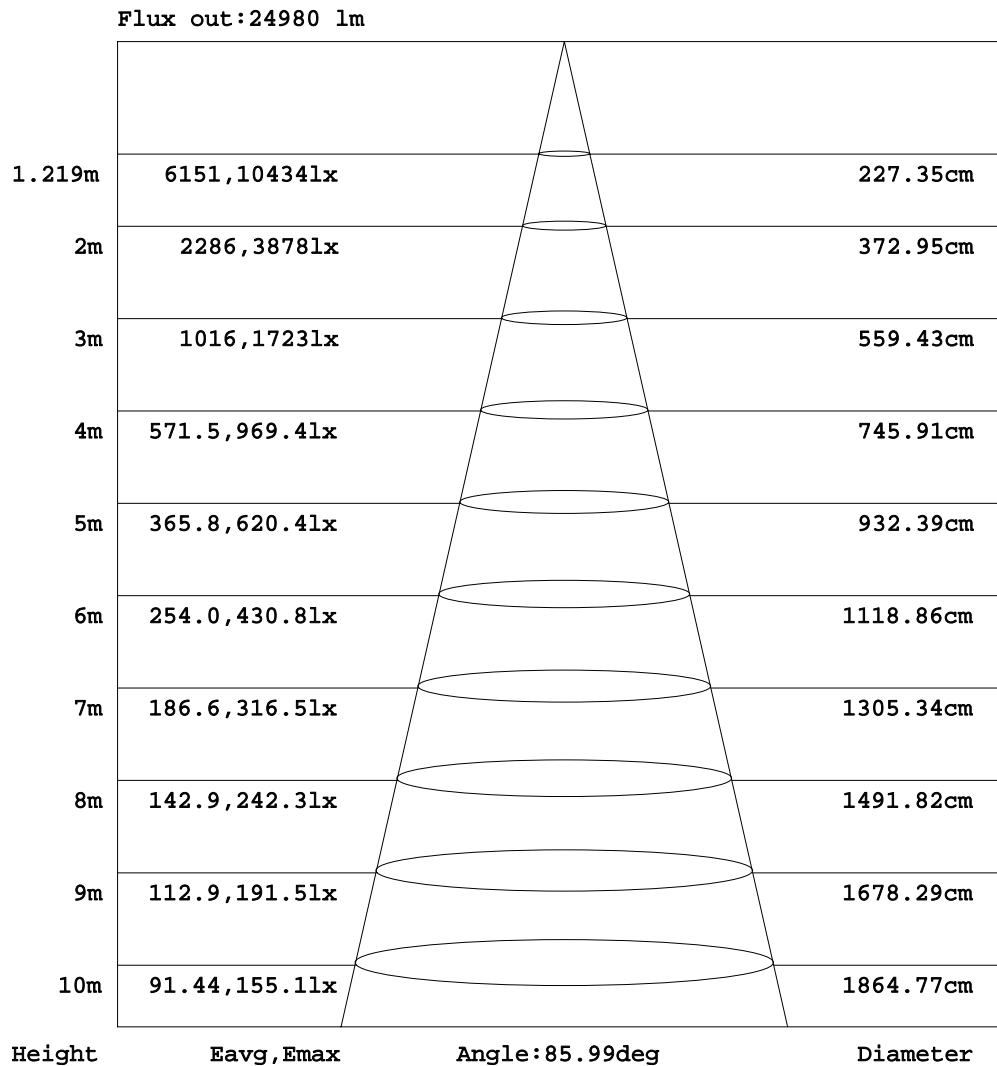
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-22

$\gamma$  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:219.2V I:0.9008A P:195.5W PF:0.9897 Freq:50.00Hz Lamp Flux:35018.7x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-L2-00-4080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:



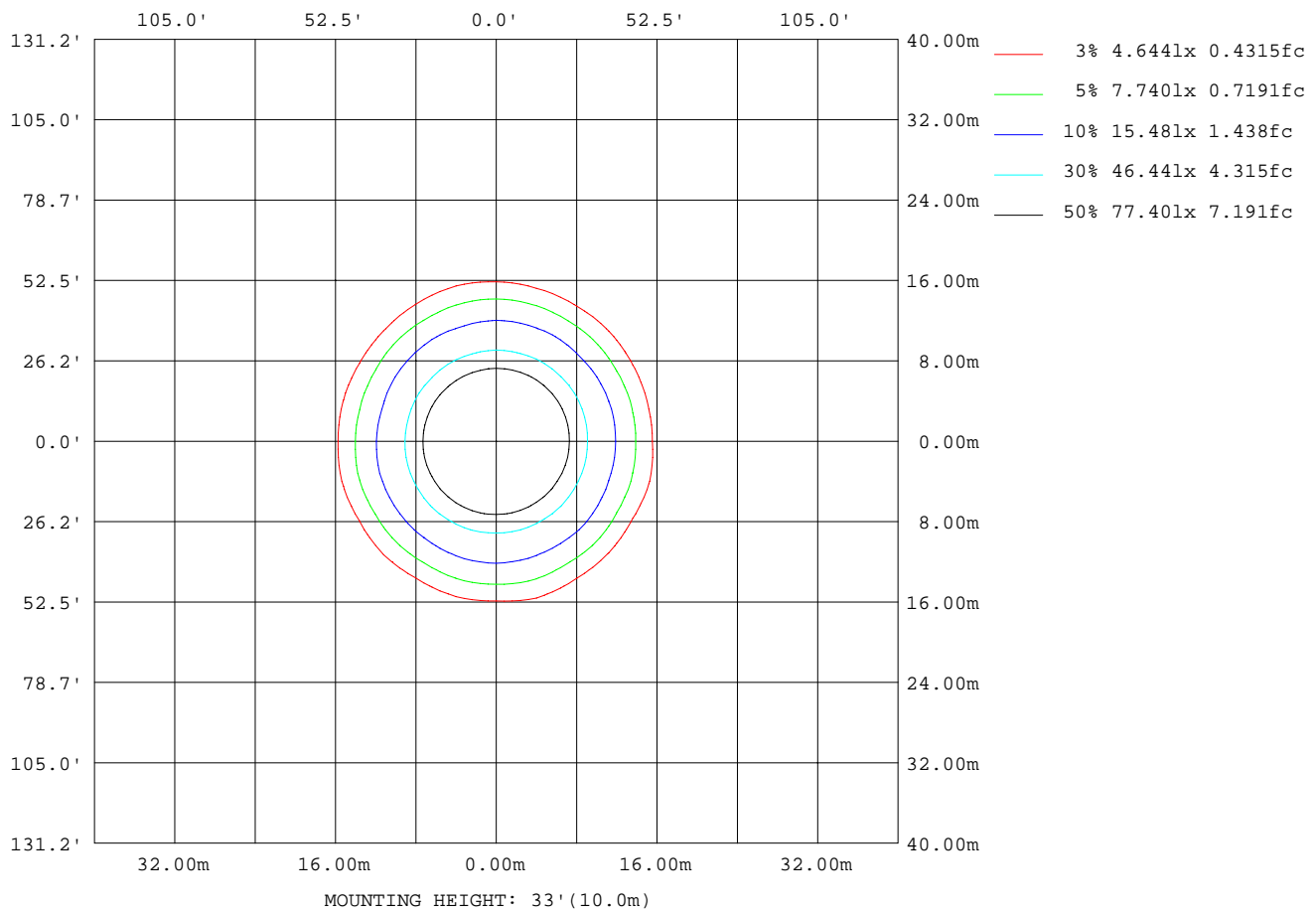
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:219.2V I:0.9008A P:195.5W PF:0.9897 Freq:50.00Hz Lamp Flux:35018.7x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-L2-00-4080-90D-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:219.2V I:0.9008A P:195.5W PF:0.9897 Freq:50.00Hz Lamp Flux:35018.7x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-L2-00-4080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

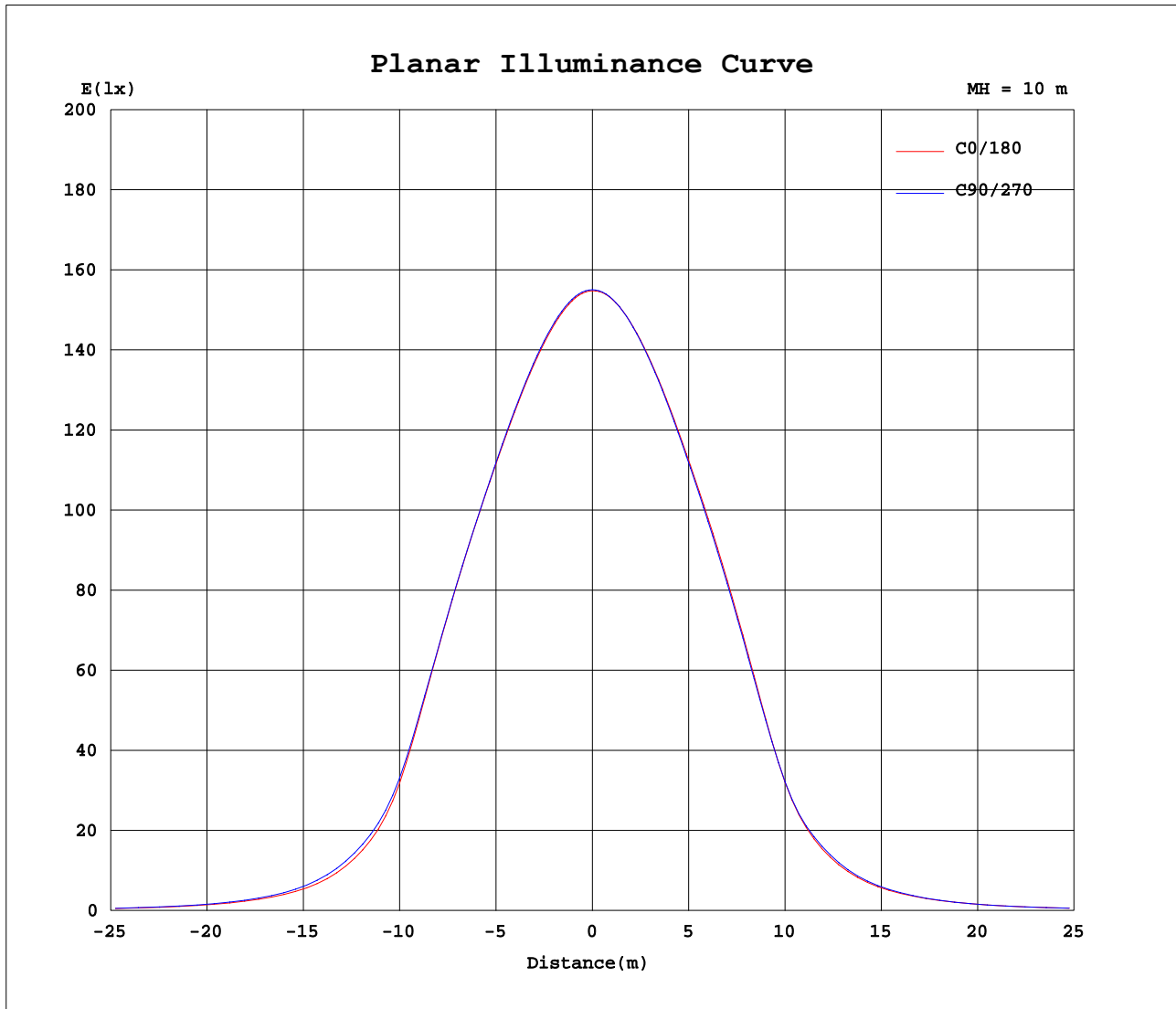
AvgL	cd/m2
L_0~180 (65) av	63289
L_0~180 (75) av	31292
L_0~180 (85) av	5048
L_90~270 (65) av	66019
L_90~270 (75) av	31769
L_90~270 (85) av	5015
L_45 (65) av	61373
L_45 (75) av	27220
L_45 (85) av	5100

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:219.2V I:0.9008A P:195.5W PF:0.9897 Freq:50.00Hz Lamp Flux:35018.7x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-L2-00-4080-90D-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	1550	1550	1550	1550	1550	1550	1550	1550	1550	1550	1550	1550	1550	1550	1550	1550	1550	1550	1550
5	1550	1550	1550	1550	1550	1551	1551	1551	1552	1552	1552	1552	1553	1553	1552	1552	1552	1551	1551
10	1551	1551	1551	1551	1552	1553	1554	1554	1555	1555	1556	1556	1557	1557	1556	1556	1555	1555	1554
15	1556	1555	1556	1556	1557	1557	1559	1560	1561	1561	1562	1562	1564	1564	1563	1563	1562	1560	1559
20	1562	1561	1561	1561	1562	1563	1564	1565	1567	1567	1568	1569	1571	1572	1572	1571	1569	1567	1565
25	1562	1562	1561	1562	1562	1564	1565	1567	1568	1569	1569	1570	1574	1575	1574	1573	1570	1566	1564
30	1551	1550	1549	1550	1549	1550	1551	1553	1555	1557	1556	1558	1563	1563	1563	1558	1554	1550	1549
35	1492	1493	1489	1493	1490	1494	1493	1500	1500	1504	1500	1502	1502	1497	1497	1487	1485	1479	1485
40	1302	1310	1302	1312	1305	1314	1309	1325	1322	1330	1315	1316	1306	1292	1292	1277	1282	1276	1288
45	901	918	910	934	926	942	937	960	946	952	923	925	907	891	899	891	903	895	909
50	572	565	584	613	599	609	625	620	600	600	597	598	584	555	580	587	592	577	605
55	358	375	366	389	382	409	401	403	383	394	380	393	374	373	368	381	379	393	391
60	226	245	231	234	248	268	249	253	245	252	243	247	241	242	238	232	249	256	246
65	138	148	143	135	155	161	151	150	153	153	152	146	152	149	150	137	158	156	152
70	81.2	85.3	85.9	77.1	90.3	92.2	87.6	85.5	89.9	89.1	91.1	84.5	90.6	87.7	90.4	78.7	93.0	90.3	88.5
75	40.6	41.8	42.8	38.2	43.7	45.6	44.7	42.6	44.7	41.2	46.6	43.1	47.4	44.9	46.5	38.2	46.4	44.4	44.7
80	15.9	15.4	13.1	14.9	13.1	16.8	17.9	16.3	13.7	17.2	15.3	16.9	19.7	18.1	14.8	16.2	15.4	17.1	17.8
85	1.73	1.49	1.79	2.26	1.91	1.77	2.44	1.95	2.32	2.92	2.50	2.37	3.05	2.01	2.51	2.67	2.42	1.51	2.31
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: 2024-8-22

$\gamma$  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:219.2V I:0.9008A P:195.5W PF:0.9897 Freq:50.00Hz Lamp Flux:35018.7x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-L2-00-4080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:Φ263mm	Shielding Angle:

Table--2

UNIT: ×10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1550	1550	1550	1550	1550														
5	1551	1550	1550	1550	1550														
10	1553	1552	1552	1551	1551														
15	1558	1557	1556	1555	1555														
20	1563	1562	1561	1561	1560														
25	1563	1563	1562	1562	1561														
30	1549	1551	1551	1552	1550														
35	1487	1496	1498	1500	1496														
40	1290	1310	1312	1324	1314														
45	905	918	906	926	919														
50	590	589	566	572	575														
55	382	368	371	359	362														
60	236	236	232	230	220														
65	140	147	139	143	129														
70	78.5	85.9	79.7	83.6	73.4														
75	38.7	42.1	35.5	40.6	36.2														
80	15.4	13.2	13.4	12.4	13.4														
85	1.48	1.91	1.81	1.71	1.25														
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: