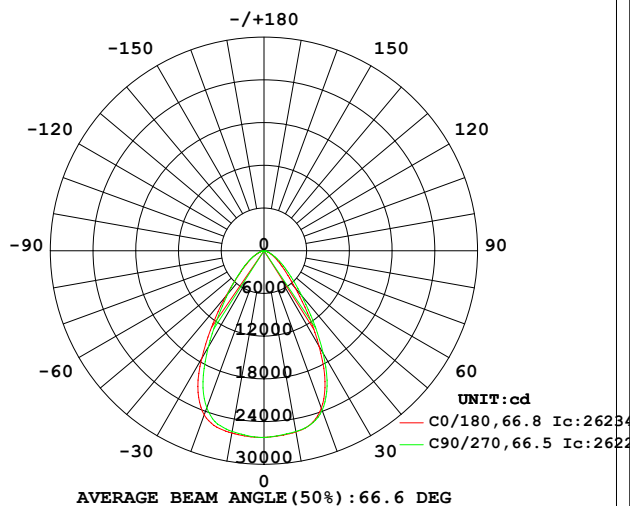


## LUMINAIRE PHOTOMETRIC TEST REPORT

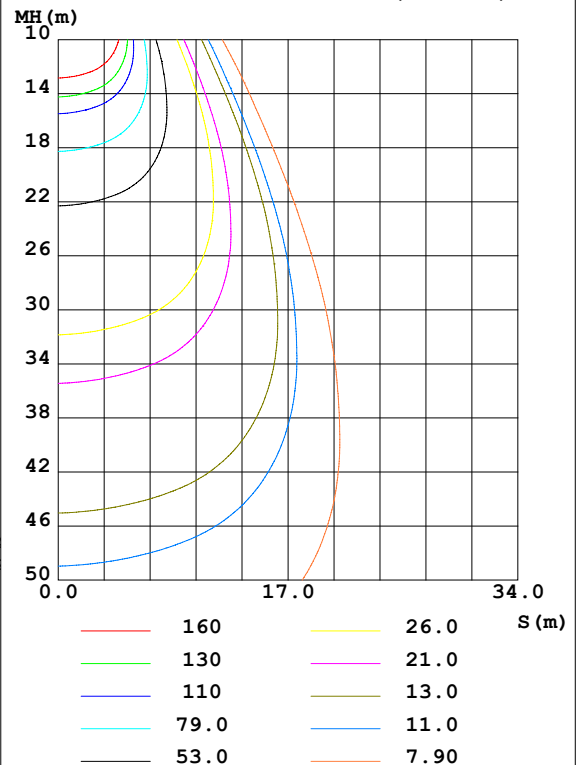
Test:U:219.1V I:0.9196A P:199.4W PF:0.9895 Freq:50.01Hz Lamp Flux:34289.9x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-L2-00-4080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 171.99 lm/W			
MODEL	2835	I <sub>max</sub> (cd)	26238	S/MH (C0/180)	1.01
NOMINAL POWER (W)	200	LOR (%)	100.0	S/MH (C90/270)	0.97
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	34290	$\eta$ UP,DN (C0-180)	0.0,50.4
NOMINAL FLUX (lm)	34289.9	CIE CLASS	DIRECT	$\eta$ UP,DN (C180-360)	0.0,49.6
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:2024-8-20

$\gamma$  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	2584	2576	2578	2582	2600	2589	2577	2574	0- 10	2481	2481	7.23,7.23
20	2353	2378	2385	2422	2454	2402	2348	2305	10- 20	7095	9576	27.9,27.9
30	1549	1610	1660	1722	1752	1611	1567	1483	20- 30	9378	18954	55.3,55.3
40	683.1	733.2	827.2	828.4	834.3	755.0	788.9	715.8	30- 40	7192	26146	76.3,76.3
50	316.1	360.4	400.1	401.9	373.6	380.9	393.4	356.1	40- 50	4110	30256	88.2,88.2
60	154.0	179.3	194.5	203.4	183.5	192.6	193.9	174.8	50- 60	2374	32631	95.2,95.2
70	61.54	67.01	75.13	79.26	76.11	76.67	75.29	65.45	60- 70	1188	33819	98.6,98.6
80	14.33	15.14	17.87	20.01	20.96	19.01	19.73	15.44	70- 80	413.7	34233	99.8,99.8
90	0	0	0	0	0	0	0	0	80- 90	57.02	34290	100,100
100	0	0	0	0	0	0	0	0	90-100	0	34290	100,100
110	0	0	0	0	0	0	0	0	100-110	0	34290	100,100
120	0	0	0	0	0	0	0	0	110-120	0	34290	100,100
130	0	0	0	0	0	0	0	0	120-130	0	34290	100,100
140	0	0	0	0	0	0	0	0	130-140	0	34290	100,100
150	0	0	0	0	0	0	0	0	140-150	0	34290	100,100
160	0	0	0	0	0	0	0	0	150-160	0	34290	100,100
170	0	0	0	0	0	0	0	0	160-170	0	34290	100,100
180	0	0	0	0	0	0	0	0	170-180	0	34290	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 28490 lm

%lum = 83.1%

%lamp = 83.1%

Conical surface Flux(120deg): 32631 lm

%lum = 95.2%

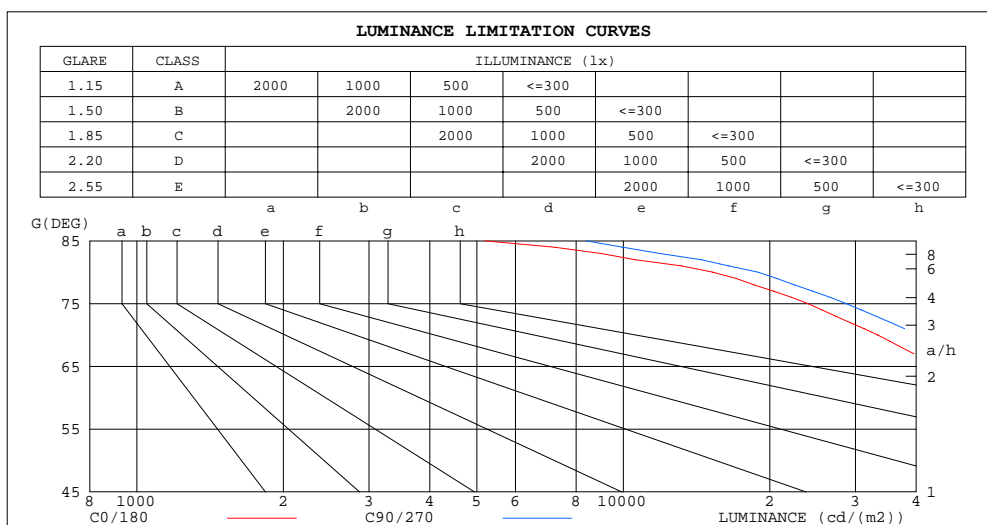
%lamp = 95.2%

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-20

$\gamma$  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:219.1V I:0.9196A P:199.4W PF:0.9895 Freq:50.01Hz Lamp Flux:34289.9x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-L2-00-4080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:



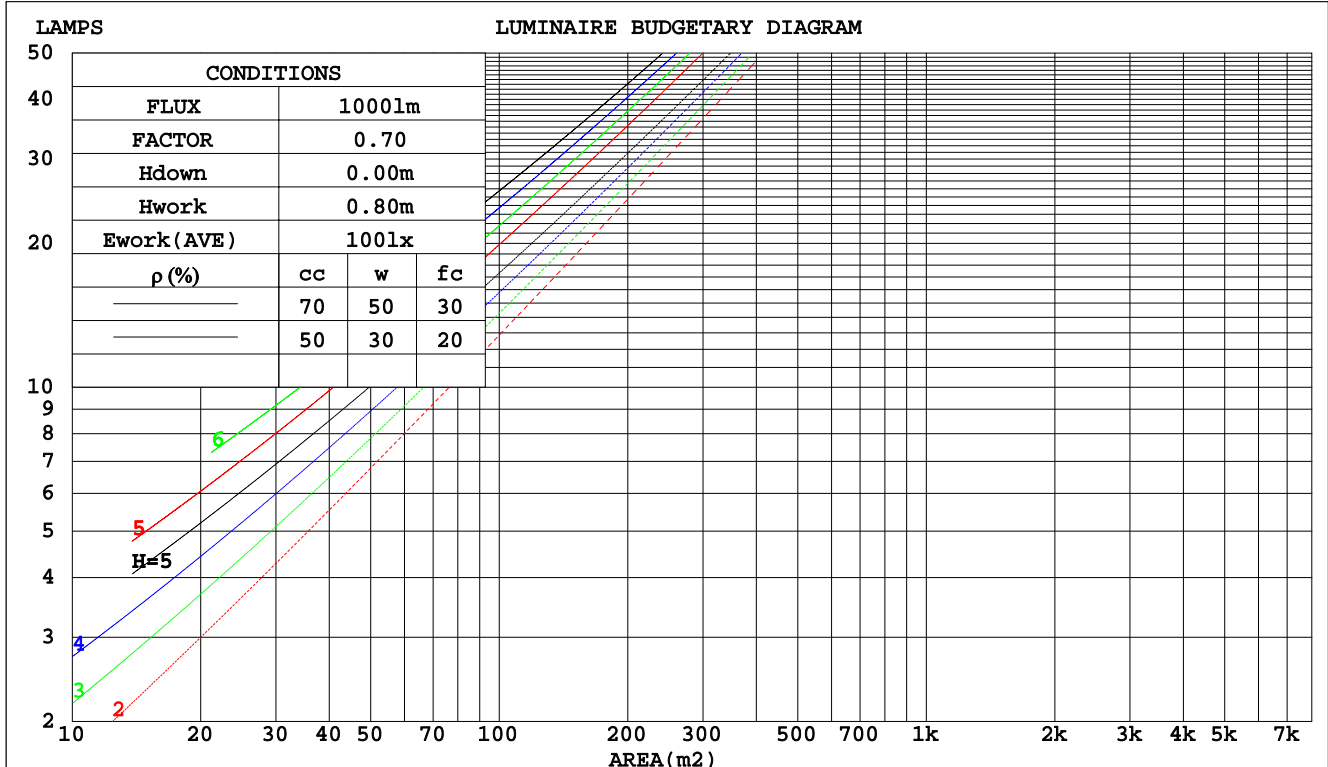
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-8-20

$\gamma$  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:219.1V I:0.9196A P:199.4W PF:0.9895 Freq:50.01Hz Lamp Flux:34289.9x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-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	.00
1.0	1.09	1.06	1.03	1.07	1.04	1.02	1.03	1.01	.99	.99	.97	.96	.95	.94	.93	.91
2.0	.99	.95	.91	.98	.93	.90	.94	.91	.88	.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	.74	.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: 2024-8-20

$\gamma$  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:219.1V I:0.9196A P:199.4W PF:0.9895 Freq:50.01Hz Lamp Flux:34289.9x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-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						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.212	.121	.038	.205	.117	.037	.193	.110	.035	.181	.104	.033	.170	.099	.032		
2.0	.205	.112	.034	.199	.110	.034	.188	.105	.033	.178	.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	.094	.028	.172	.091	.027	.165	.088	.027	.157	.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	.148	.075	.022	.143	.073	.021	.138	.072	.021		
8.0	.149	.073	.021	.147	.072	.020	.141	.071	.020	.137	.069	.020	.132	.068	.020		
9.0	.142	.069	.019	.140	.068	.019	.135	.067	.019	.131	.065	.019	.127	.064	.019		
10.0	.135	.065	.018	.133	.064	.018	.129	.063	.018	.125	.062	.018	.121	.061	.018		

$\rho_{cc}$	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						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	.148	.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:2024-8-20

$\gamma$  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:219.1V I:0.9196A P:199.4W PF:0.9895 Freq:50.01Hz Lamp Flux:34289.9x1 lm										
NAME: AOK HBE					TYPE:			WEIGHT:		
SPEC.:AOK-200WHBE-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	26.0	27.2	26.3	27.4	27.5	26.5	27.7	26.8	27.8	28.0
3H	26.3	27.3	26.6	27.5	27.8	26.8	27.9	27.1	28.1	28.3
4H	26.3	27.3	26.6	27.5	27.8	26.9	27.9	27.2	28.1	28.3
6H	26.3	27.2	26.6	27.5	27.7	26.8	27.8	27.1	28.0	28.3
8H	26.3	27.1	26.6	27.4	27.7	26.8	27.7	27.1	28.0	28.2
12H	26.2	27.1	26.5	27.3	27.6	26.8	27.6	27.1	27.9	28.2
4H 2H	26.2	27.1	26.4	27.4	27.6	26.6	27.6	26.9	27.8	28.0
3H	26.5	27.4	26.8	27.6	27.9	27.0	27.8	27.3	28.1	28.4
4H	26.6	27.3	26.9	27.7	28.0	27.0	27.8	27.4	28.1	28.4
6H	26.6	27.2	26.9	27.6	27.9	27.0	27.7	27.4	28.1	28.4
8H	26.5	27.2	26.9	27.5	27.9	27.0	27.6	27.4	28.0	28.4
12H	26.5	27.1	26.9	27.4	27.8	27.0	27.5	27.4	27.9	28.3
8H 4H	26.5	27.1	26.9	27.5	27.9	27.0	27.6	27.4	28.0	28.3
6H	26.5	27.0	27.0	27.4	27.9	27.0	27.5	27.4	27.9	28.3
8H	26.5	27.0	27.0	27.4	27.8	27.0	27.4	27.4	27.8	28.3
12H	26.5	26.8	26.9	27.3	27.8	26.9	27.3	27.4	27.8	28.2
12H 4H	26.5	27.0	26.9	27.4	27.8	26.9	27.5	27.3	27.9	28.3
6H	26.5	26.9	26.9	27.4	27.8	26.9	27.4	27.4	27.8	28.3
8H	26.5	26.9	26.9	27.3	27.8	26.9	27.3	27.4	27.8	28.2
Variations with the observer position at spacings:										
S = 1.0H	+ 1.1 / - 1.7					+ 1.2 / - 1.5				
1.5H	+ 1.5 / - 1.2					+ 1.9 / - 1.5				
2.0H	+ 1.6 / - 1.6					+ 2.5 / - 2.3				

CIE Pub.117, 34290 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 12.3$ )

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2024-8-20

$\gamma$  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:219.1V I:0.9196A P:199.4W PF:0.9895 Freq:50.01Hz Lamp Flux:34289.9x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-L2-00-4080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 263mm	Shielding Angle:

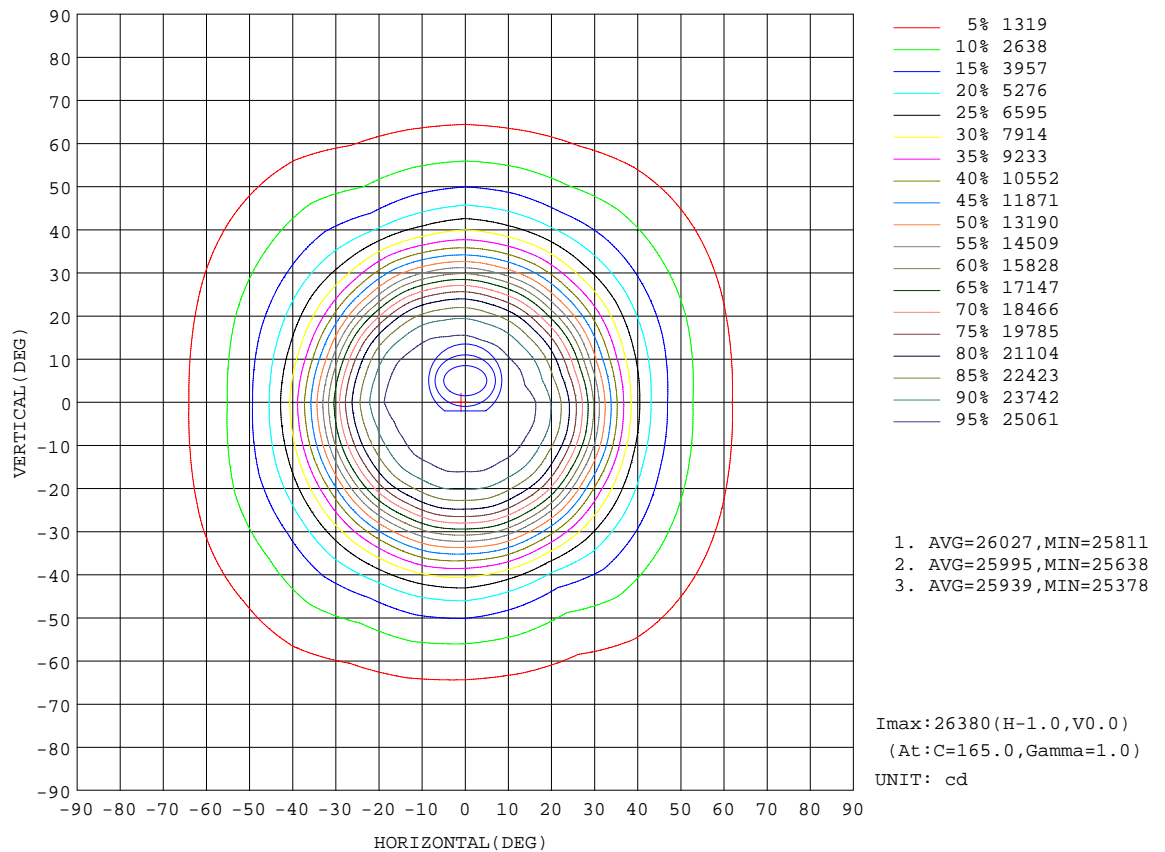
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	77	68	63	76	68	63	75	68	63	58
0.80	85	77	72	85	77	72	83	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	101	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:2024-8-20

$\gamma$  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:219.1V I:0.9196A P:199.4W PF:0.9895 Freq:50.01Hz Lamp Flux:34289.9x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-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:2024-8-20

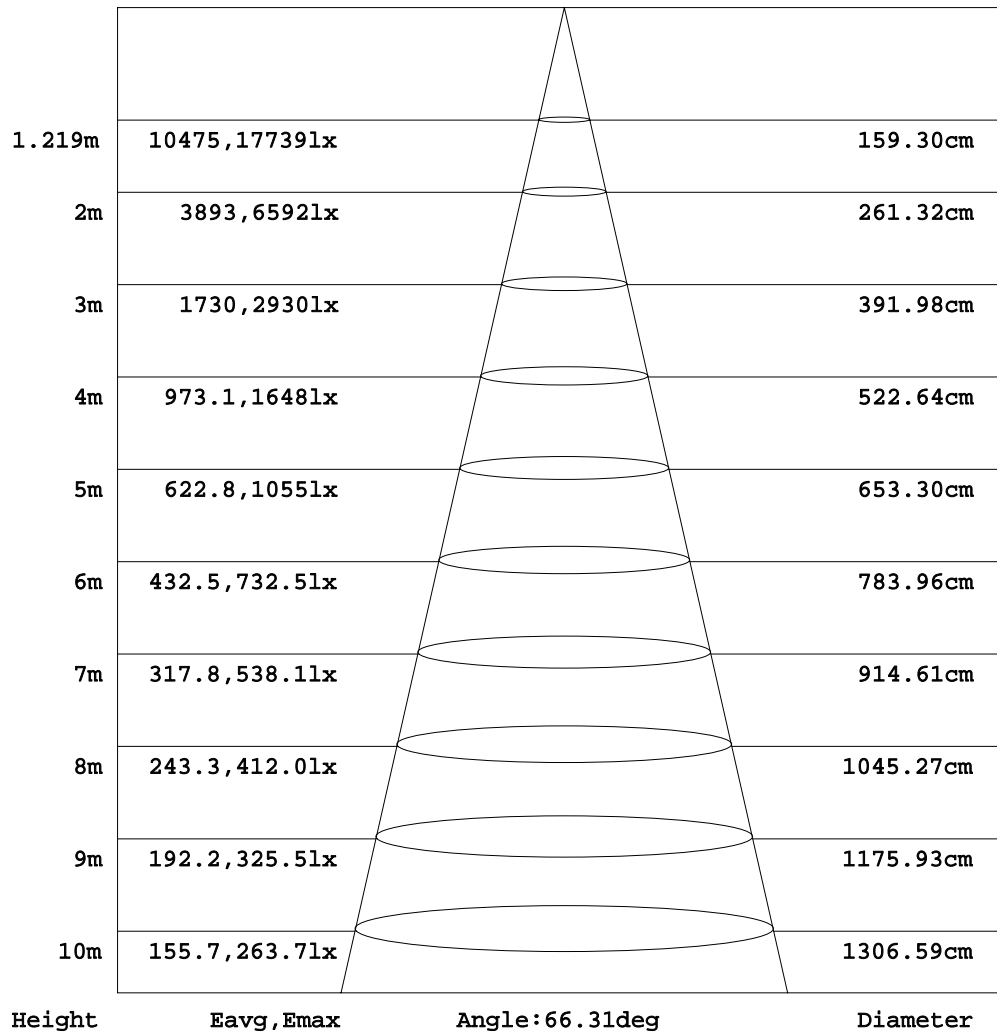
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:



## AAI Figure

Test:U:219.1V I:0.9196A P:199.4W PF:0.9895 Freq:50.01Hz Lamp Flux:34289.9x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-L2-00-4080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

Flux out:22254 lm



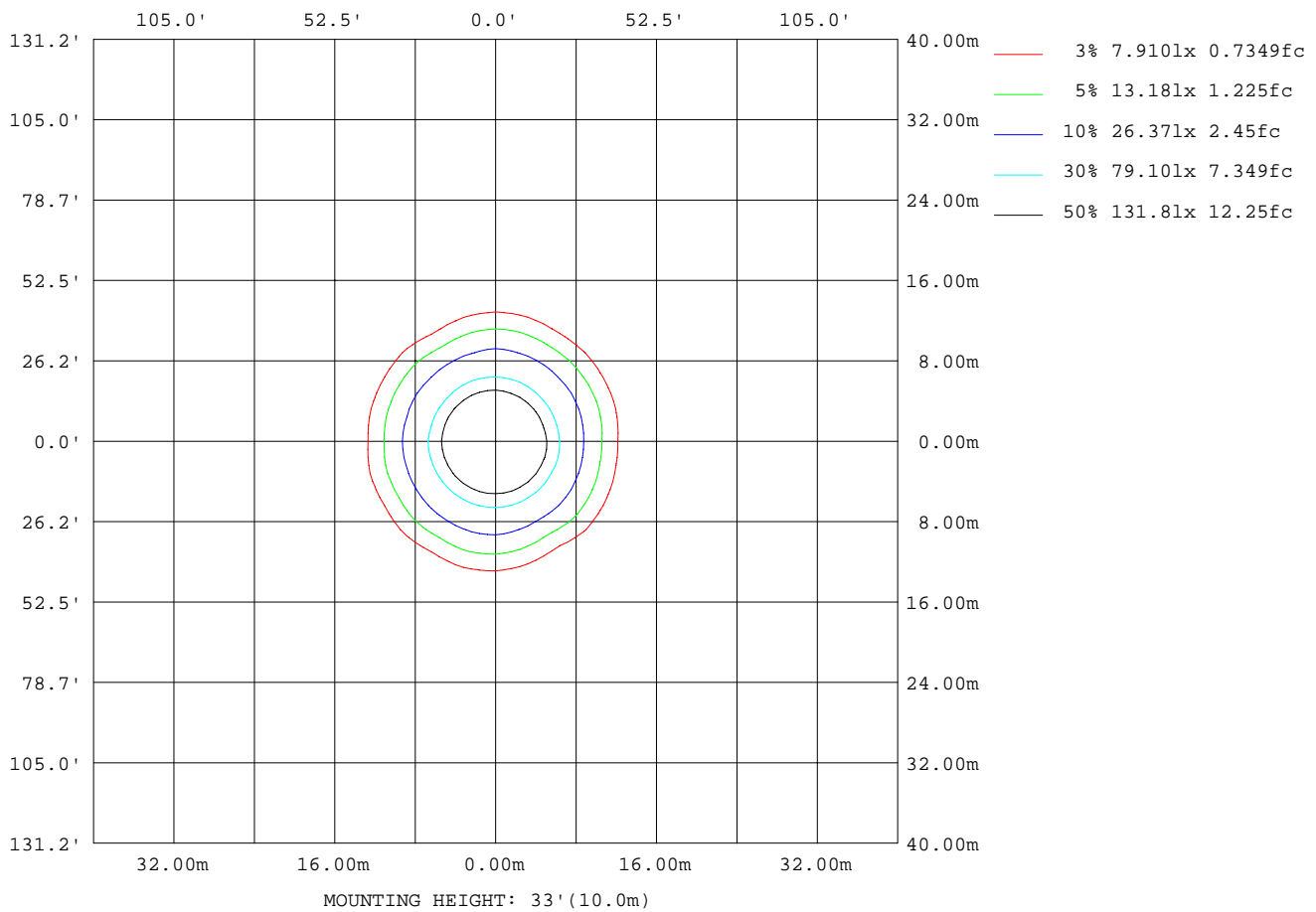
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2024-8-20

$\gamma$  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:219.1V I:0.9196A P:199.4W PF:0.9895 Freq:50.01Hz Lamp Flux:34289.9x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-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:2024-8-20

$\gamma$  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:219.1V I:0.9196A P:199.4W PF:0.9895 Freq:50.01Hz Lamp Flux:34289.9x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-L2-00-4080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

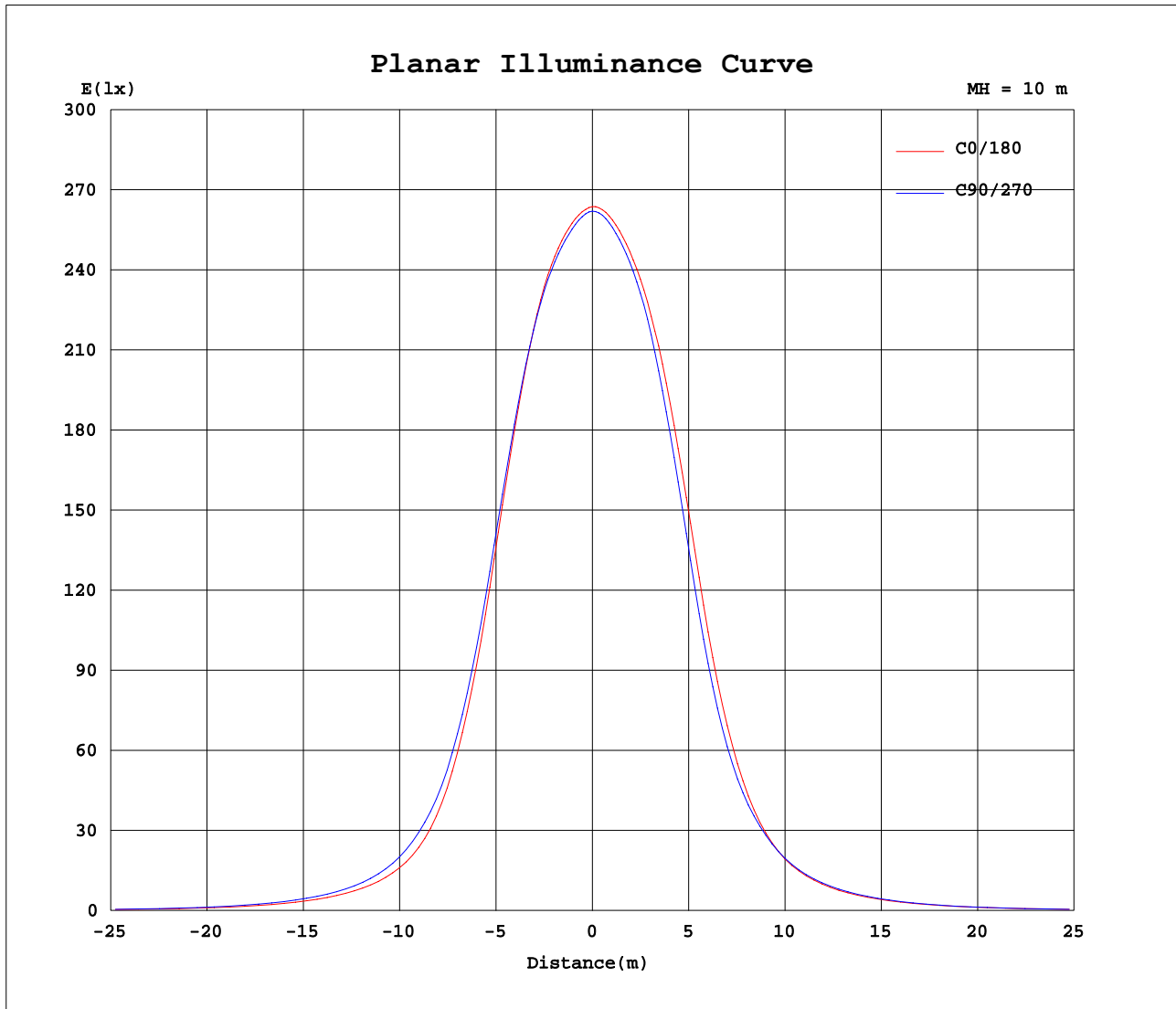
AvgL	cd/m2
L_0~180 (65) av	48248
L_0~180 (75) av	27499
L_0~180 (85) av	8592
L_90~270 (65) av	54223
L_90~270 (75) av	29057
L_90~270 (85) av	8951
L_45 (65) av	53040
L_45 (75) av	25567
L_45 (85) av	8703

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-20

$\gamma$  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: 2024-8-20

$\gamma$  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:219.1V I:0.9196A P:199.4W PF:0.9895 Freq:50.01Hz Lamp Flux:34289.9x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-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	2622	2622	2622	2622	2622	2622	2622	2622	2622	2622	2622	2622	2622	2622	2622	2622	2622	2622	2622
5	2607	2604	2603	2602	2601	2602	2602	2605	2605	2609	2611	2614	2617	2616	2616	2613	2612	2609	2608
10	2584	2581	2577	2576	2576	2577	2578	2580	2580	2582	2584	2589	2600	2598	2595	2589	2585	2578	2577
15	2525	2528	2523	2524	2524	2528	2529	2535	2536	2544	2543	2551	2565	2560	2559	2545	2538	2521	2520
20	2353	2372	2364	2378	2372	2389	2385	2404	2401	2422	2419	2435	2454	2437	2433	2402	2391	2356	2348
25	2030	2062	2056	2080	2077	2102	2096	2124	2124	2158	2158	2179	2192	2156	2147	2100	2088	2045	2031
30	1549	1582	1573	1610	1622	1661	1660	1688	1686	1722	1725	1752	1752	1688	1663	1611	1613	1574	1567
35	1069	1095	1081	1123	1149	1194	1205	1237	1229	1234	1229	1256	1254	1187	1149	1130	1148	1126	1118
40	683	689	719	733	735	784	827	847	835	828	820	829	834	788	778	755	766	760	789
45	452	458	487	502	463	518	570	572	553	564	551	557	544	540	539	526	496	525	554
50	316	326	346	360	320	365	400	404	380	402	385	397	374	383	379	381	342	375	393
55	225	237	248	260	227	262	284	290	268	292	275	288	265	277	273	277	243	270	282
60	154	163	170	179	156	180	195	200	185	203	192	200	183	193	190	193	169	185	194
65	101	106	110	116	101	115	124	128	121	133	125	130	121	126	126	126	111	120	125
70	61.5	63.9	64.9	67.0	60.7	69.3	75.1	77.3	72.6	79.3	76.5	79.8	76.1	77.8	77.1	76.7	69.3	72.5	75.3
75	33.5	34.0	30.8	33.2	28.6	36.9	40.4	41.5	35.5	40.7	37.8	44.2	43.9	43.6	38.9	38.3	37.4	40.1	41.3
80	14.3	13.3	12.3	15.1	12.3	14.6	17.9	17.3	16.2	20.0	17.6	19.4	21.0	19.2	16.5	19.0	16.8	18.1	19.7
85	2.45	2.11	2.56	2.96	2.75	2.46	3.97	3.33	4.26	5.29	4.79	4.66	5.69	4.12	4.87	5.27	4.80	3.60	4.50
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: 2024-8-20

$\gamma$  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:219.1V I:0.9196A P:199.4W PF:0.9895 Freq:50.01Hz Lamp Flux:34289.9x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-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	2622	2622	2622	2622	2622														
5	2606	2605	2604	2602	2601														
10	2574	2575	2574	2576	2573														
15	2508	2511	2501	2510	2505														
20	2323	2321	2305	2319	2318														
25	1989	1981	1956	1974	1975														
30	1523	1518	1483	1498	1493														
35	1101	1086	1051	1054	1039														
40	761	747	716	721	698														
45	532	504	498	492	479														
50	380	351	356	347	342														
55	271	249	256	247	245														
60	185	169	175	169	166														
65	118	109	113	109	107														
70	70.1	65.4	65.5	64.4	63.7														
75	37.7	32.8	31.5	31.4	33.4														
80	15.9	14.5	15.4	13.3	12.7														
85	2.71	3.37	2.96	2.78	1.85														
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: 2024-8-20

$\gamma$  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: