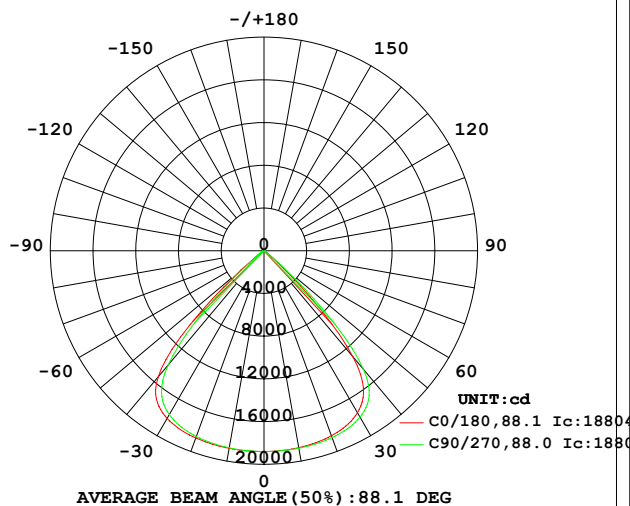


## LUMINAIRE PHOTOMETRIC TEST REPORT

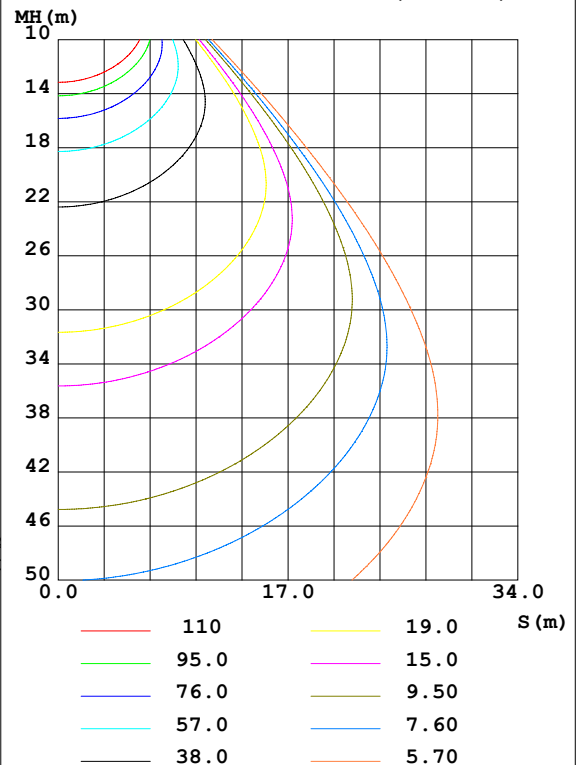
Test:U:219.3V I:0.9194A P:199.6W PF:0.9900 Freq:50.01Hz Lamp Flux:32895.4x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-L2-00-5080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 164.82 lm/W			
MODEL	2835	I <sub>max</sub> (cd)	18805	S/MH (C0/180)	1.34
NOMINAL POWER (W)	200	LOR (%)	100.0	S/MH (C90/270)	1.29
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	32895	$\eta$ UP,DN (C0-180)	0.0,50.2
NOMINAL FLUX (lm)	32895.4	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:2024-8-24

$\gamma$  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	1872	1875	1878	1879	1878	1876	1874	1873	0- 10	1793	1793	5.45,5.45
20	1844	1852	1862	1867	1866	1860	1852	1844	10- 20	5292	7084	21.5,21.5
30	1751	1773	1799	1815	1813	1794	1773	1752	20- 30	8449	15533	47.2,47.2
40	1296	1369	1449	1534	1541	1474	1395	1312	30- 40	10372	25905	78.8,78.8
50	125.5	153.1	186.0	280.7	281.7	223.3	181.2	135.6	40- 50	6033	31938	97.1,97.1
60	27.28	29.25	31.94	36.48	35.71	33.05	30.45	28.36	50- 60	620.4	32559	99.99
70	13.79	14.54	15.41	17.25	16.70	16.14	14.93	14.43	60- 70	221.1	32780	99.6,99.6
80	3.609	3.719	4.508	5.011	5.415	4.660	4.661	3.635	70- 80	101.6	32882	100,100
90	0	0	0	0	0	0	0	0	80- 90	13.80	32895	100,100
100	0	0	0	0	0	0	0	0	90-100	0	32895	100,100
110	0	0	0	0	0	0	0	0	100-110	0	32895	100,100
120	0	0	0	0	0	0	0	0	110-120	0	32895	100,100
130	0	0	0	0	0	0	0	0	120-130	0	32895	100,100
140	0	0	0	0	0	0	0	0	130-140	0	32895	100,100
150	0	0	0	0	0	0	0	0	140-150	0	32895	100,100
160	0	0	0	0	0	0	0	0	150-160	0	32895	100,100
170	0	0	0	0	0	0	0	0	160-170	0	32895	100,100
180	0	0	0	0	0	0	0	0	170-180	0	32895	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 30098 lm

%lum = 91.5%

%lamp = 91.5%

Conical surface Flux(120deg): 32559 lm

%lum = 99.0%

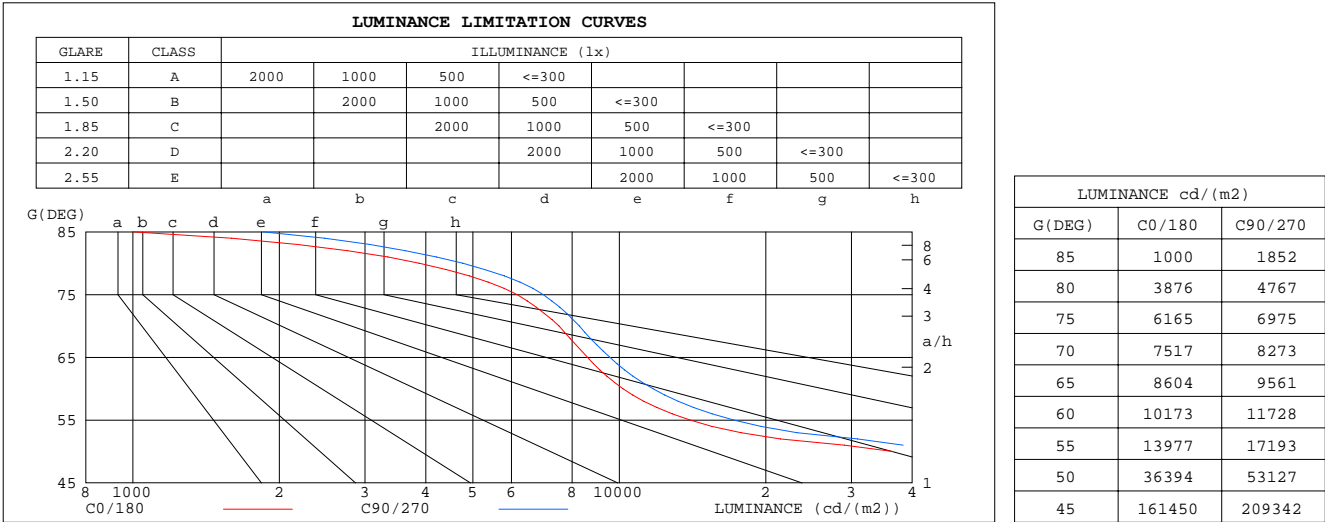
%lamp = 99.0%

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-24

$\gamma$  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:219.3V I:0.9194A P:199.6W PF:0.9900 Freq:50.01Hz Lamp Flux:32895.4x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-L2-00-5080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:Φ263mm	Shielding Angle:



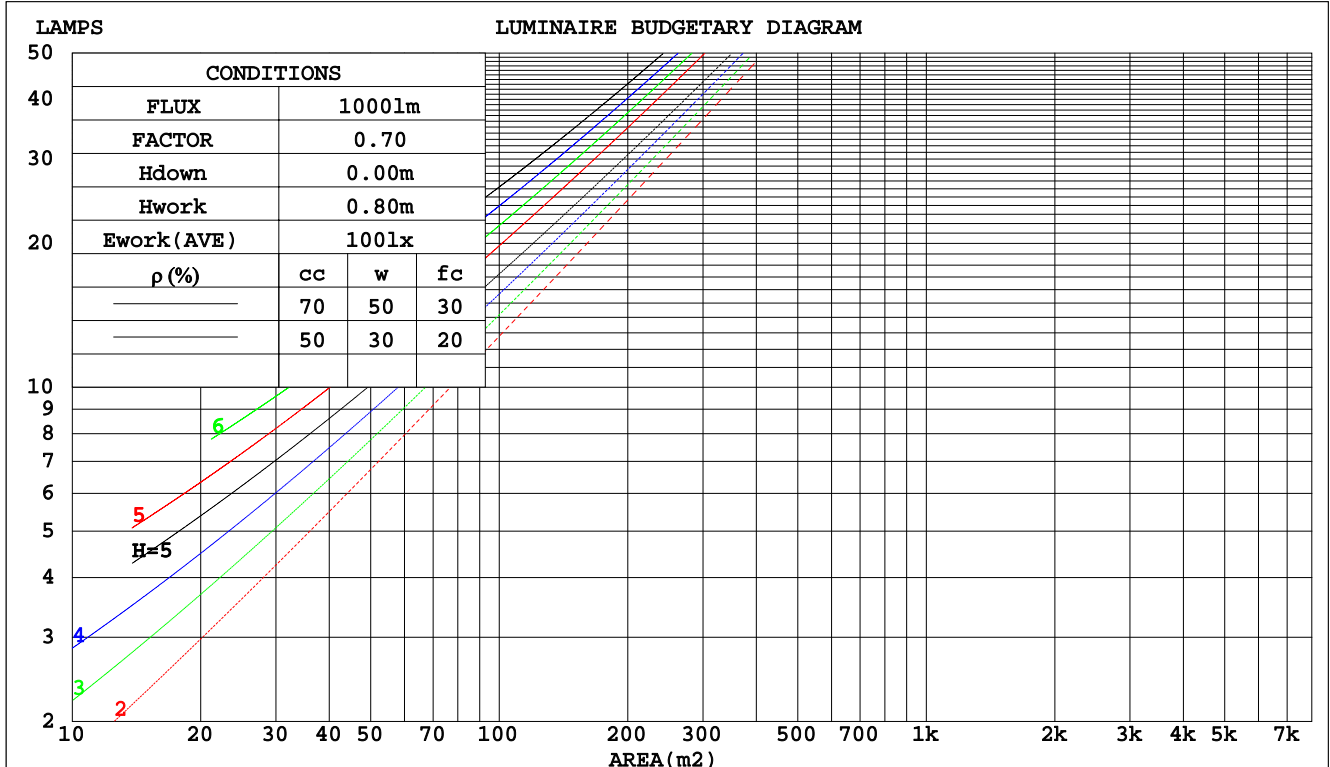
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-24

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:219.3V I:0.9194A P:199.6W PF:0.9900 Freq:50.01Hz Lamp Flux:32895.4x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-L2-00-5080-90D-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	1.09	1.07	1.04	1.07	1.05	1.02	1.03	1.01	.99	.99	.98	.96	.96	.95	.93	.92
2.0	1.00	.95	.92	.98	.94	.91	.95	.92	.89	.92	.89	.87	.89	.87	.85	.83
3.0	.92	.86	.81	.90	.85	.81	.88	.83	.79	.85	.81	.78	.83	.80	.77	.75
4.0	.84	.78	.73	.83	.77	.72	.81	.75	.71	.79	.74	.70	.77	.73	.70	.68
5.0	.77	.70	.65	.76	.70	.65	.74	.69	.64	.73	.68	.64	.71	.67	.63	.62
6.0	.71	.64	.59	.70	.64	.59	.69	.63	.58	.67	.62	.58	.66	.61	.58	.56
7.0	.66	.59	.54	.65	.58	.53	.63	.57	.53	.62	.57	.53	.61	.56	.53	.51
8.0	.61	.54	.49	.60	.53	.49	.59	.53	.49	.58	.52	.48	.57	.52	.48	.46
9.0	.56	.49	.45	.56	.49	.45	.55	.49	.44	.54	.48	.44	.53	.48	.44	.43
10.0	.52	.46	.41	.52	.45	.41	.51	.45	.41	.50	.45	.41	.49	.44	.41	.39



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-8-24

$\gamma$  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:219.3V I:0.9194A P:199.6W PF:0.9900 Freq:50.01Hz Lamp Flux:32895.4x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-L2-00-5080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.204	.116	.037	.197	.112	.036	.184	.106	.034	.172	.099	.032	.162	.094	.030		
2.0	.198	.109	.033	.193	.106	.033	.182	.101	.031	.172	.096	.030	.162	.092	.029		
3.0	.191	.101	.030	.186	.099	.030	.176	.096	.029	.168	.092	.028	.160	.088	.027		
4.0	.183	.095	.028	.178	.093	.028	.170	.090	.027	.162	.087	.026	.155	.084	.026		
5.0	.174	.089	.026	.171	.088	.026	.163	.085	.025	.157	.083	.025	.150	.080	.024		
6.0	.166	.083	.024	.163	.082	.024	.157	.080	.023	.151	.078	.023	.145	.076	.023		
7.0	.159	.079	.022	.156	.078	.022	.150	.076	.022	.145	.074	.022	.140	.073	.021		
8.0	.152	.074	.021	.149	.073	.021	.144	.072	.021	.139	.070	.020	.135	.069	.020		
9.0	.145	.070	.020	.143	.070	.020	.138	.068	.019	.134	.067	.019	.129	.066	.019		
10.0	.139	.067	.018	.137	.066	.018	.132	.065	.018	.128	.064	.018	.125	.063	.018		

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	.173	.157	.143	.148	.135	.123	.101	.093	.085	.058	.054	.049	.019	.017	.016	
2.0	.160	.132	.109	.137	.114	.094	.094	.079	.066	.054	.046	.039	.017	.015	.013	
3.0	.149	.114	.086	.128	.098	.074	.088	.068	.052	.051	.040	.031	.016	.013	.010	
4.0	.140	.100	.068	.120	.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	.109	.069	.040	.075	.048	.028	.043	.028	.017	.014	.009	.006	
7.0	.120	.072	.039	.104	.063	.034	.072	.044	.024	.042	.026	.014	.013	.008	.005	
8.0	.115	.066	.033	.099	.058	.029	.068	.040	.020	.040	.024	.012	.013	.008	.004	
9.0	.110	.061	.029	.095	.053	.025	.066	.037	.018	.038	.022	.011	.012	.007	.004	
10.0	.105	.057	.025	.091	.050	.022	.063	.035	.016	.037	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-24

$\gamma$  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:219.3V I:0.9194A P:199.6W PF:0.9900 Freq:50.01Hz Lamp Flux:32895.4x1 lm										
NAME: AOK HBE					TYPE:			WEIGHT:		
SPEC.:AOK-200WHBE-NV-L2-00-5080-90D-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	28.1	27.2	28.3	28.5	27.4	28.6	27.7	28.7	28.9
3H	26.8	27.8	27.1	28.0	28.3	27.2	28.3	27.5	28.5	28.7
4H	26.7	27.7	27.0	27.9	28.1	27.2	28.1	27.4	28.4	28.6
6H	26.6	27.5	26.9	27.8	28.0	27.1	28.0	27.4	28.2	28.5
8H	26.6	27.4	26.9	27.7	28.0	27.0	27.9	27.3	28.2	28.4
12H	26.5	27.4	26.9	27.6	27.9	27.0	27.8	27.3	28.1	28.4
4H 2H	26.7	27.7	27.0	27.9	28.1	27.1	28.1	27.4	28.4	28.6
3H	26.5	27.4	26.9	27.6	27.9	27.0	27.8	27.3	28.1	28.4
4H	26.4	27.2	26.8	27.5	27.8	26.9	27.7	27.3	28.0	28.3
6H	26.4	27.0	26.7	27.4	27.7	26.8	27.5	27.2	27.8	28.2
8H	26.3	26.9	26.7	27.3	27.7	26.8	27.4	27.2	27.7	28.1
12H	26.3	26.8	26.7	27.2	27.6	26.7	27.3	27.1	27.7	28.0
8H 4H	26.3	26.9	26.7	27.3	27.7	26.8	27.4	27.2	27.7	28.1
6H	26.2	26.7	26.7	27.1	27.5	26.7	27.2	27.1	27.6	28.0
8H	26.2	26.6	26.6	27.0	27.5	26.6	27.1	27.1	27.5	27.9
12H	26.1	26.5	26.6	26.9	27.4	26.6	27.0	27.1	27.4	27.9
12H 4H	26.3	26.8	26.7	27.2	27.6	26.7	27.3	27.1	27.6	28.0
6H	26.2	26.6	26.6	27.0	27.5	26.6	27.1	27.1	27.5	27.9
8H	26.1	26.5	26.6	26.9	27.4	26.6	27.0	27.1	27.4	27.9
Variations with the observer position at spacings:										
S = 1.0H	+ 2.5 / -13.3					+ 2.5 / -13.0				
1.5H	+ 4.3 / -12.6					+ 4.0 / -12.7				
2.0H	+ 7.7 / - 8.4					+ 8.0 / - 9.6				

CIE Pub.117, 32895 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 12.1$ )

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2024-8-24

$\gamma$  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:219.3V I:0.9194A P:199.6W PF:0.9900 Freq:50.01Hz Lamp Flux:32895.4x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-L2-00-5080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

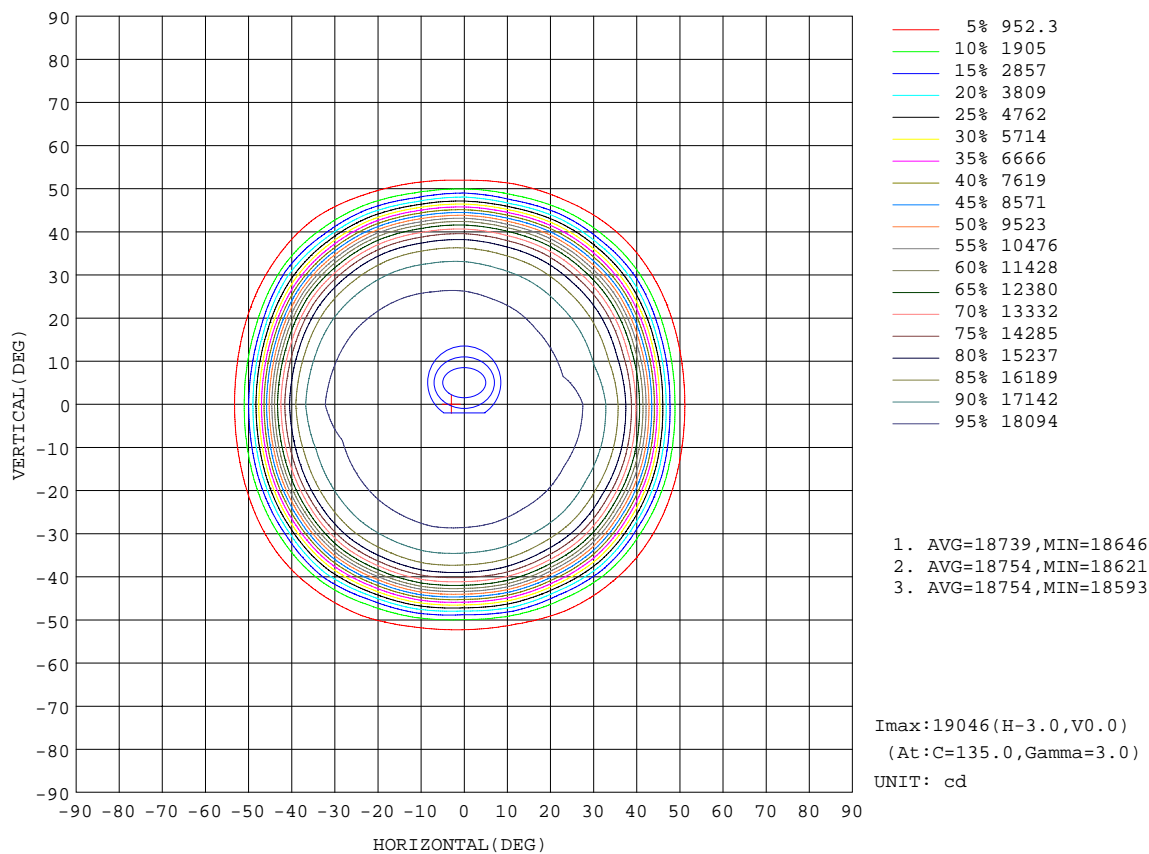
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	78	70	65	78	70	65	77	70	65	61
0.80	87	80	75	86	79	75	85	79	74	70
1.00	94	87	82	93	86	82	91	86	81	77
1.25	99	92	88	98	92	88	96	91	87	82
1.50	102	96	92	101	96	92	98	94	91	86
2.00	106	101	97	105	100	97	102	98	95	89
2.50	108	104	100	106	102	99	103	100	97	91
3.00	110	106	103	108	105	102	105	102	99	93
4.00	112	109	106	110	107	105	106	104	102	95
5.00	114	111	108	111	109	107	107	105	104	96
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:2024-8-24

$\gamma$  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:219.3V I:0.9194A P:199.6W PF:0.9900 Freq:50.01Hz Lamp Flux:32895.4x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-L2-00-5080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 263mm	Shielding Angle:



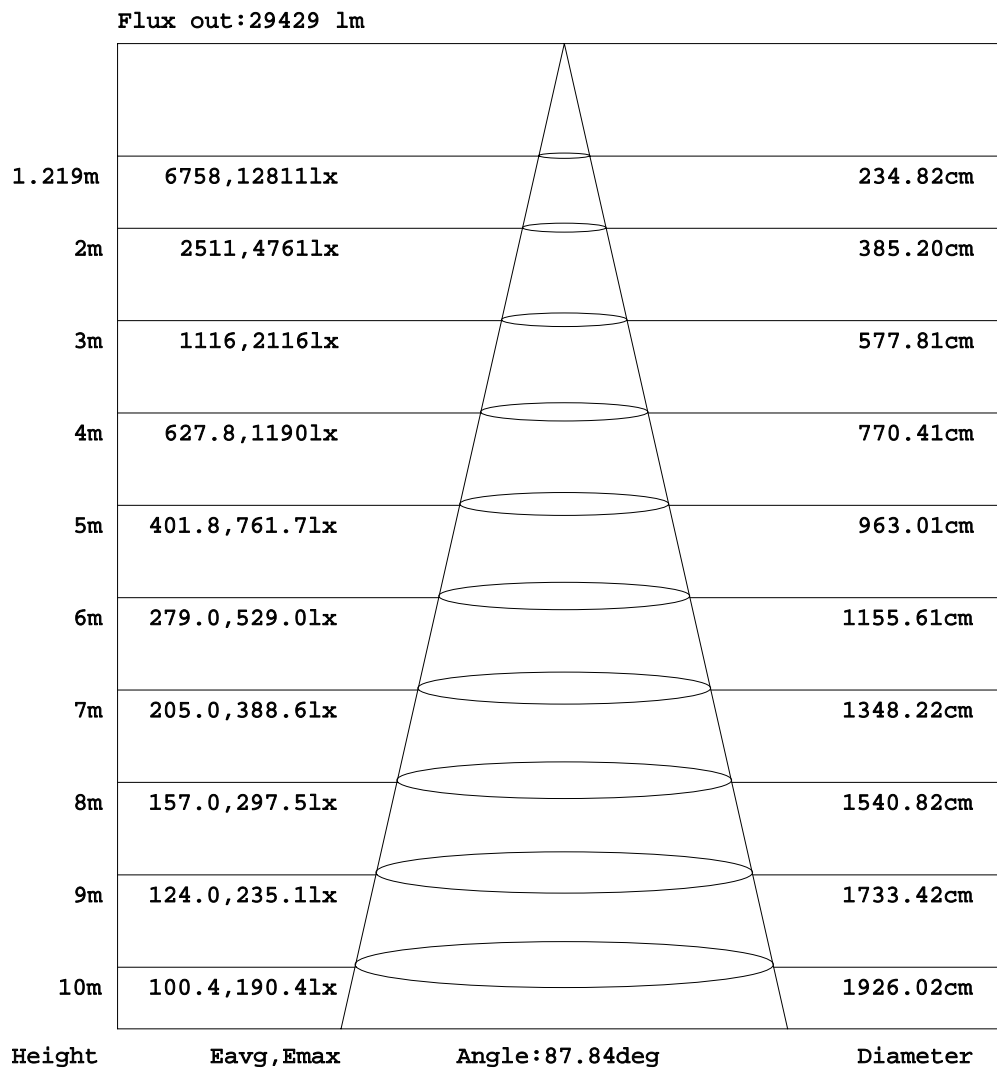
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-24

$\gamma$  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:219.3V I:0.9194A P:199.6W PF:0.9900 Freq:50.01Hz Lamp Flux:32895.4x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-L2-00-5080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:



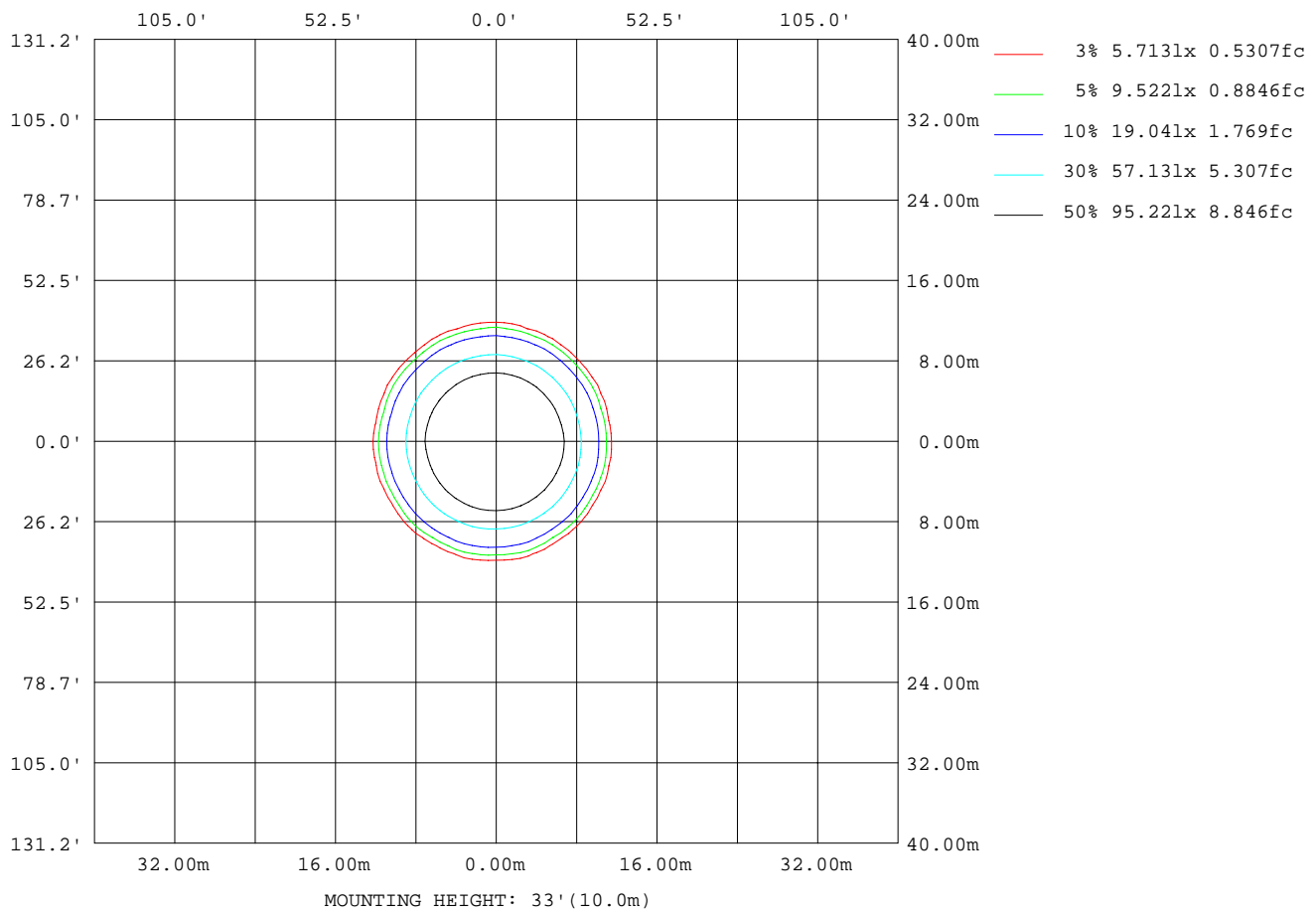
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2024-8-24

$\gamma$  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:219.3V I:0.9194A P:199.6W PF:0.9900 Freq:50.01Hz Lamp Flux:32895.4x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-L2-00-5080-90D-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:2024-8-24

$\gamma$  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:219.3V I:0.9194A P:199.6W PF:0.9900 Freq:50.01Hz Lamp Flux:32895.4x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-L2-00-5080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

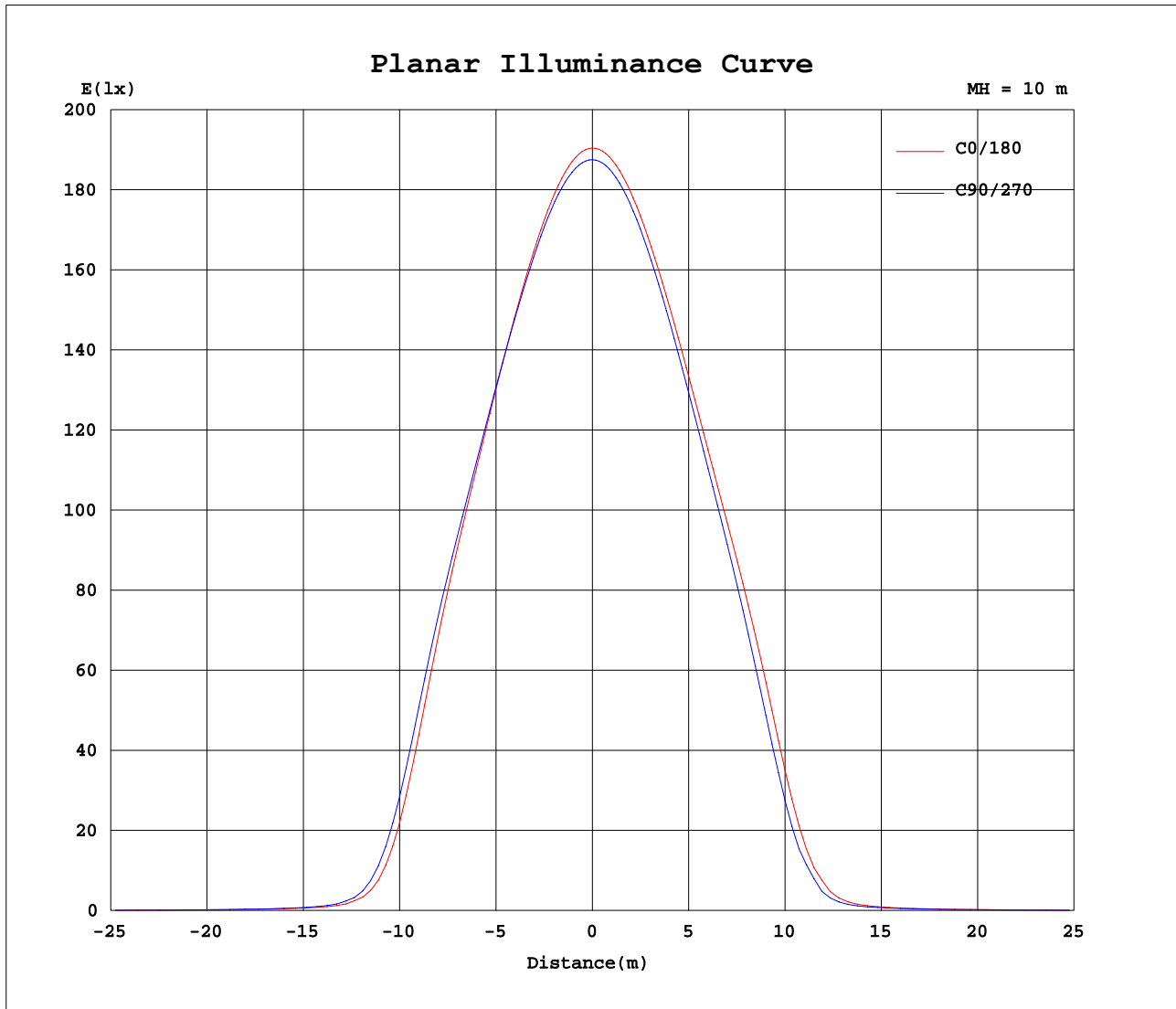
AvgL	cd/m2
L_0~180 (65) av	9495
L_0~180 (75) av	6935
L_0~180 (85) av	1996
L_90~270 (65) av	9401
L_90~270 (75) av	6939
L_90~270 (85) av	1903
L_45 (65) av	9631
L_45 (75) av	6919
L_45 (85) av	1935

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-24

$\gamma$  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: 2024-8-24

$\gamma$  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:219.3V I:0.9194A P:199.6W PF:0.9900 Freq:50.01Hz Lamp Flux:32895.4x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-L2-00-5080-90D-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	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880
5	1878	1878	1879	1879	1879	1879	1880	1880	1880	1880	1880	1880	1880	1880	1880	1879	1879	1878	1879
10	1872	1873	1874	1875	1876	1877	1878	1879	1879	1879	1879	1879	1878	1877	1877	1876	1875	1874	1874
15	1862	1864	1865	1867	1868	1870	1873	1874	1875	1876	1875	1875	1874	1873	1872	1870	1869	1867	1866
20	1844	1847	1848	1852	1855	1859	1862	1865	1866	1867	1867	1866	1866	1864	1863	1860	1857	1853	1852
25	1811	1816	1819	1825	1830	1837	1842	1847	1848	1851	1852	1850	1849	1846	1844	1837	1833	1827	1824
30	1751	1758	1762	1773	1780	1792	1799	1808	1810	1815	1816	1815	1813	1807	1804	1794	1788	1778	1773
35	1626	1639	1644	1663	1673	1695	1706	1724	1730	1740	1741	1742	1739	1729	1724	1707	1698	1679	1668
40	1296	1323	1326	1369	1385	1430	1449	1492	1504	1534	1534	1545	1541	1518	1508	1474	1455	1413	1395
45	612	653	650	708	720	789	806	878	889	948	943	980	978	941	942	883	862	801	778
50	125	136	135	153	157	181	186	218	223	281	249	283	282	247	276	223	218	189	181
55	43.0	44.6	44.9	47.6	48.7	52.5	53.7	58.5	60.0	64.0	63.7	65.7	64.3	61.3	60.7	56.7	55.3	51.4	50.2
60	27.3	27.9	28.1	29.2	29.7	31.1	31.9	33.9	34.8	36.5	36.3	36.6	35.7	34.3	34.2	33.0	32.5	31.0	30.5
65	19.5	19.7	19.9	20.5	20.8	21.5	22.0	22.9	23.7	24.8	24.6	24.7	24.1	23.3	23.1	22.9	22.6	21.7	21.2
70	13.8	14.0	14.1	14.5	14.4	15.0	15.4	16.0	16.6	17.2	17.1	17.0	16.7	16.3	16.2	16.1	15.9	15.3	14.9
75	8.56	8.64	8.54	8.89	8.45	9.29	9.83	10.1	10.2	11.0	10.6	10.8	10.9	10.5	10.3	10.3	10.2	9.69	9.68
80	3.61	3.52	3.16	3.72	3.02	4.00	4.51	4.59	4.25	5.01	4.65	5.05	5.41	5.13	4.55	4.66	4.49	4.49	4.66
85	0.47	0.47	0.52	0.64	0.59	0.62	0.88	0.81	0.92	1.28	1.13	1.15	1.42	1.00	1.03	1.19	1.01	0.73	0.92
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: 2024-8-24

$\gamma$  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:219.3V I:0.9194A P:199.6W PF:0.9900 Freq:50.01Hz Lamp Flux:32895.4x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-L2-00-5080-90D-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	1880	1880	1880	1880	1880														
5	1878	1878	1878	1878	1878														
10	1873	1873	1873	1873	1872														
15	1864	1863	1862	1862	1862														
20	1848	1846	1844	1844	1844														
25	1818	1815	1812	1812	1811														
30	1763	1759	1752	1753	1750														
35	1649	1642	1628	1628	1622														
40	1354	1343	1312	1311	1294														
45	718	701	650	646	617														
50	156	153	136	136	127														
55	47.3	46.8	44.7	44.6	43.0														
60	29.3	29.2	28.4	28.4	27.6														
65	20.6	20.5	20.3	20.2	19.8														
70	14.5	14.5	14.4	14.2	13.9														
75	9.14	9.01	8.76	8.71	8.43														
80	4.06	3.62	3.64	3.21	3.38														
85	0.57	0.66	0.56	0.57	0.38														
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: 2024-8-24

$\gamma$  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: