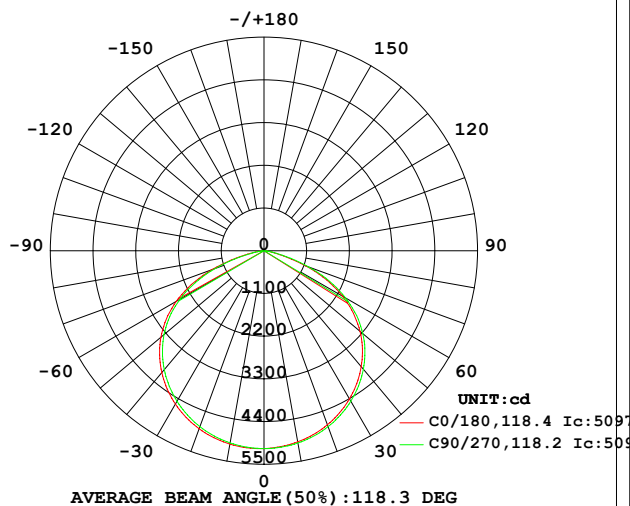


## LUMINAIRE PHOTOMETRIC TEST REPORT

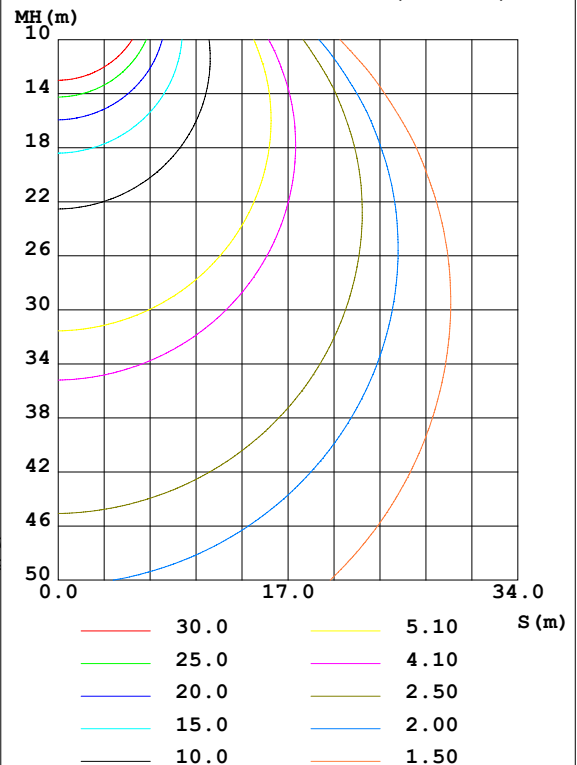
Test:U:219.3V I:0.3796A P:80.27W PF:0.9640 Freq:50.01Hz Lamp Flux:14799.3x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-80WHBE-NV-L2-00-4080-120D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 184.37 lm/W			
MODEL	2835	I <sub>max</sub> (cd)	5097	S/MH (C0/180)	1.33
NOMINAL POWER (W)	80	LOR (%)	100.0	S/MH (C90/270)	1.31
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	14799	$\eta$ UP,DN (C0-180)	0.0,49.7
NOMINAL FLUX (lm)	14799.3	CIE CLASS	DIRECT	$\eta$ UP,DN (C180-360)	0.0,50.3
LAMPS INSIDE	1	$\eta$ up (%)	0.0	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	220	$\eta$ down (%)	100.0	CIBSE SHR MAX	1.50

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:2024-10-24

$\gamma$  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	4998	5007	5026	5048	5055	5042	5025	5006	0- 10	483.0	483.0	3.26, 3.26
20	4770	4785	4822	4866	4879	4854	4821	4786	10- 20	1396	1879	12.7, 12.7
30	4404	4422	4474	4542	4562	4524	4479	4428	20- 30	2153	4032	27.2, 27.2
40	3896	3913	3981	4068	4095	4047	3996	3932	30- 40	2661	6693	45.2, 45.2
50	3231	3257	3322	3432	3469	3420	3362	3260	40- 50	2844	9537	64.4, 64.4
60	2328	2415	2424	2581	2609	2606	2496	2413	50- 60	2625	12162	82.2, 82.2
70	1149	1211	1230	1367	1421	1445	1331	1226	60- 70	1895	14058	95, 95
80	163.7	160.1	205.8	239.8	286.1	225.9	230.9	161.6	70- 80	686.7	14744	99.6, 99.6
90	0	0	0	0	0	0	0	0	80- 90	54.93	14799	100, 100
100	0	0	0	0	0	0	0	0	90-100	0	14799	100, 100
110	0	0	0	0	0	0	0	0	100-110	0	14799	100, 100
120	0	0	0	0	0	0	0	0	110-120	0	14799	100, 100
130	0	0	0	0	0	0	0	0	120-130	0	14799	100, 100
140	0	0	0	0	0	0	0	0	130-140	0	14799	100, 100
150	0	0	0	0	0	0	0	0	140-150	0	14799	100, 100
160	0	0	0	0	0	0	0	0	150-160	0	14799	100, 100
170	0	0	0	0	0	0	0	0	160-170	0	14799	100, 100
180	0	0	0	0	0	0	0	0	170-180	0	14799	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 8115.5 lm

%lum = 54.8%

%lamp = 54.8%

Conical surface Flux(120deg): 12162 lm

%lum = 82.2%

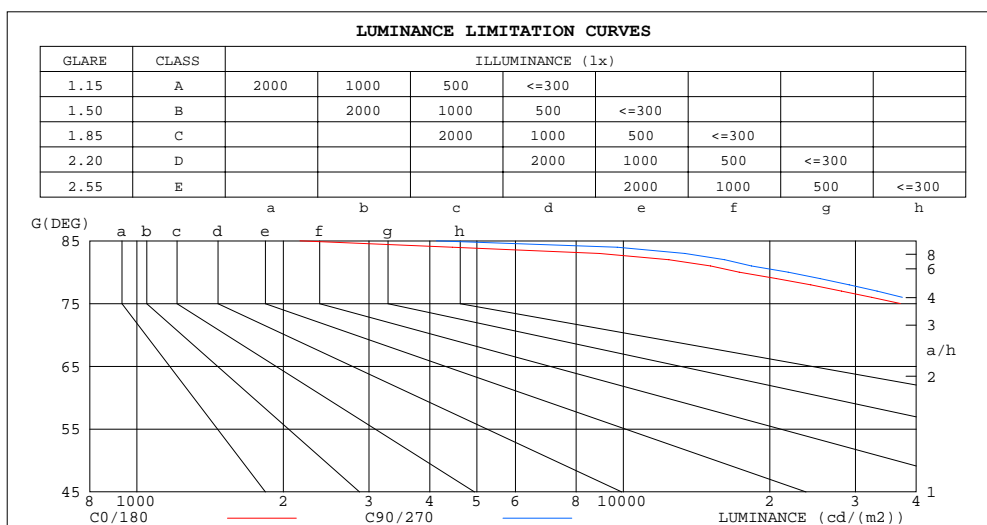
%lamp = 82.2%

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-10-24

$\gamma$  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:0.3796A P:80.27W PF:0.9640 Freq:50.01Hz Lamp Flux:14799.3x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-80WHBE-NV-L2-00-4080-120D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:



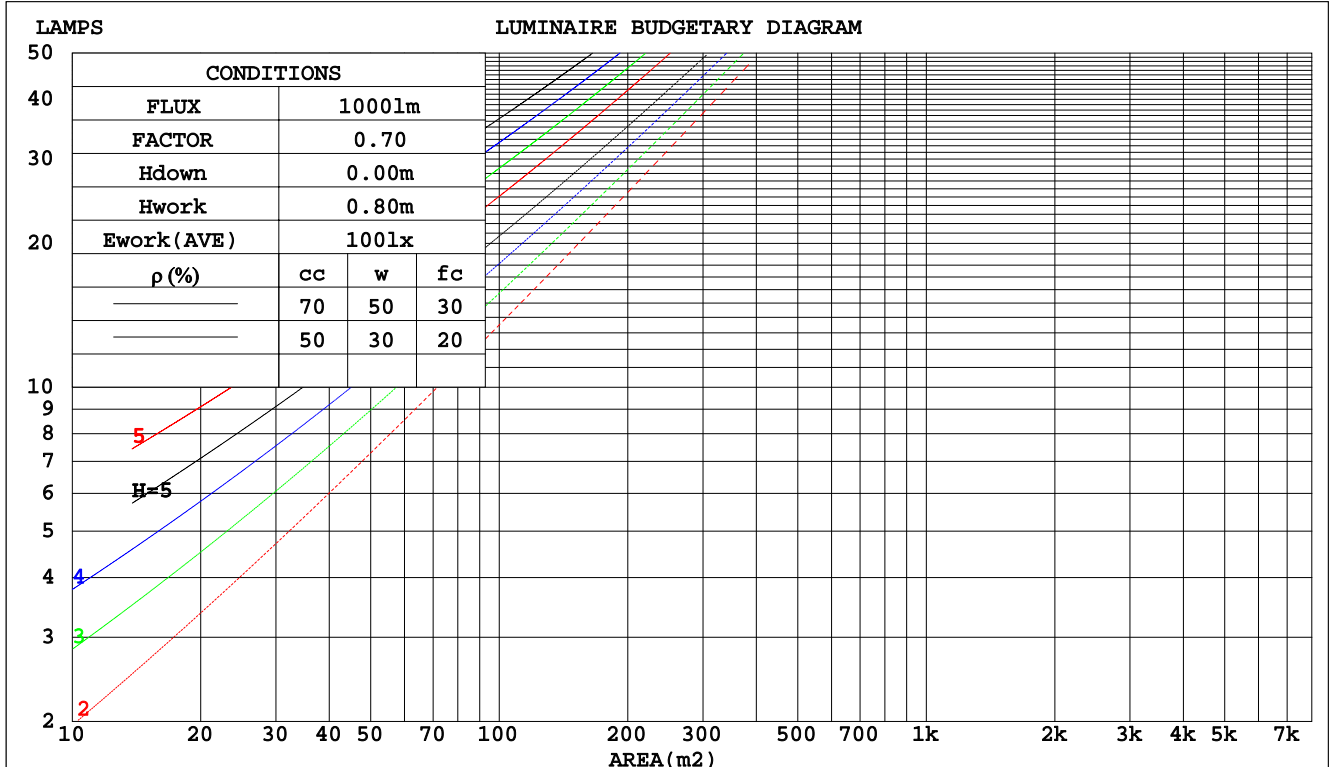
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-10-24

$\gamma$  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:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.3V I:0.3796A P:80.27W PF:0.9640 Freq:50.01Hz Lamp Flux:14799.3x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-80WHBE-NV-L2-00-4080-120D-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	1.05	1.01	.98	1.03	.99	.96	.99	.96	.93	.95	.92	.90	.91	.89	.87	.85
2.0	.92	.85	.80	.90	.84	.79	.87	.81	.77	.83	.79	.75	.80	.77	.74	.72
3.0	.81	.73	.66	.79	.72	.66	.76	.70	.65	.73	.68	.64	.71	.66	.62	.60
4.0	.71	.63	.56	.70	.62	.56	.68	.61	.55	.65	.59	.54	.63	.58	.54	.51
5.0	.64	.55	.48	.63	.54	.48	.60	.53	.47	.58	.52	.47	.57	.51	.46	.44
6.0	.57	.48	.42	.56	.48	.42	.54	.47	.41	.53	.46	.41	.51	.45	.41	.39
7.0	.52	.43	.37	.51	.43	.37	.49	.42	.36	.48	.41	.36	.47	.41	.36	.34
8.0	.47	.39	.33	.46	.38	.33	.45	.38	.32	.44	.37	.32	.43	.37	.32	.30
9.0	.43	.35	.29	.43	.35	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.27	.39	.32	.27	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-10-24

$\gamma$  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:0.3796A P:80.27W PF:0.9640 Freq:50.01Hz Lamp Flux:14799.3x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-80WHBE-NV-L2-00-4080-120D-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	.286	.162	.051	.278	.159	.050	.265	.152	.049	.253	.146	.047	.242	.140	.045		
2.0	.278	.152	.047	.271	.149	.046	.260	.144	.045	.249	.140	.044	.239	.135	.043		
3.0	.261	.139	.042	.256	.137	.041	.246	.133	.040	.236	.129	.040	.227	.126	.039		
4.0	.244	.127	.037	.239	.125	.037	.230	.122	.036	.221	.119	.036	.213	.116	.035		
5.0	.227	.116	.033	.222	.114	.033	.214	.112	.033	.207	.109	.032	.200	.107	.032		
6.0	.211	.106	.030	.207	.105	.030	.200	.103	.030	.193	.101	.030	.187	.099	.029		
7.0	.197	.097	.028	.194	.097	.028	.187	.095	.027	.181	.093	.027	.176	.091	.027		
8.0	.185	.090	.025	.182	.089	.025	.176	.088	.025	.170	.086	.025	.165	.085	.025		
9.0	.173	.084	.023	.171	.083	.023	.165	.082	.023	.160	.080	.023	.156	.079	.023		
10.0	.163	.078	.022	.161	.078	.022	.156	.076	.022	.152	.075	.021	.147	.074	.021		

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	.179	.156	.136	.153	.134	.117	.105	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.170	.132	.100	.146	.114	.086	.100	.079	.060	.058	.046	.035	.018	.015	.011	
3.0	.163	.114	.076	.140	.099	.065	.096	.068	.046	.055	.040	.027	.018	.013	.009	
4.0	.155	.101	.059	.133	.087	.051	.092	.061	.036	.053	.036	.021	.017	.012	.007	
5.0	.148	.090	.048	.127	.078	.042	.088	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.141	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.135	.075	.033	.116	.065	.029	.080	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.128	.069	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.008	.004	
9.0	.123	.064	.025	.106	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.022	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2024-10-24

$\gamma$  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:0.3796A P:80.27W PF:0.9640 Freq:50.01Hz Lamp Flux:14799.3x1 lm										
NAME: AOK HBE					TYPE:			WEIGHT:		
SPEC.:AOK-80WHBE-NV-L2-00-4080-120D-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	28.6	30.1	28.9	30.3	30.5	28.8	30.3	29.0	30.5	30.7
3H	29.7	31.1	30.0	31.3	31.6	29.9	31.3	30.2	31.5	31.8
4H	29.9	31.2	30.2	31.4	31.7	30.1	31.4	30.4	31.7	32.0
6H	29.8	31.1	30.2	31.4	31.6	30.1	31.4	30.5	31.6	31.9
8H	29.8	31.0	30.1	31.3	31.6	30.1	31.3	30.4	31.6	31.9
12H	29.8	30.9	30.1	31.2	31.5	30.1	31.2	30.4	31.5	31.8
4H 2H	29.2	30.5	29.5	30.7	31.0	29.3	30.6	29.6	30.9	31.1
3H	30.4	31.5	30.7	31.8	32.1	30.5	31.7	30.9	32.0	32.3
4H	30.6	31.6	30.9	31.9	32.2	30.8	31.8	31.2	32.1	32.5
6H	30.6	31.5	31.0	31.8	32.2	30.8	31.7	31.2	32.1	32.5
8H	30.5	31.4	30.9	31.7	32.1	30.8	31.6	31.2	32.0	32.4
12H	30.5	31.3	30.9	31.6	32.1	30.8	31.5	31.2	31.9	32.3
8H 4H	30.6	31.4	31.0	31.8	32.2	30.8	31.7	31.2	32.0	32.4
6H	30.6	31.3	31.1	31.7	32.1	30.9	31.6	31.3	32.0	32.4
8H	30.6	31.2	31.0	31.6	32.1	30.8	31.5	31.3	31.9	32.3
12H	30.6	31.1	31.0	31.5	32.0	30.8	31.3	31.3	31.8	32.3
12H 4H	30.5	31.3	31.0	31.7	32.1	30.8	31.5	31.2	31.9	32.3
6H	30.6	31.2	31.0	31.6	32.1	30.8	31.4	31.3	31.9	32.3
8H	30.6	31.1	31.0	31.5	32.0	30.8	31.3	31.3	31.8	32.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.3					+ 0.2 / - 0.3				
1.5H	+ 0.3 / - 0.5					+ 0.3 / - 0.5				
2.0H	+ 0.3 / - 0.5					+ 0.4 / - 0.5				

CIE Pub.117, 14799 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 9.4$ )

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2024-10-24

$\gamma$  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:0.3796A P:80.27W PF:0.9640 Freq:50.01Hz Lamp Flux:14799.3x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-80WHBE-NV-L2-00-4080-120D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

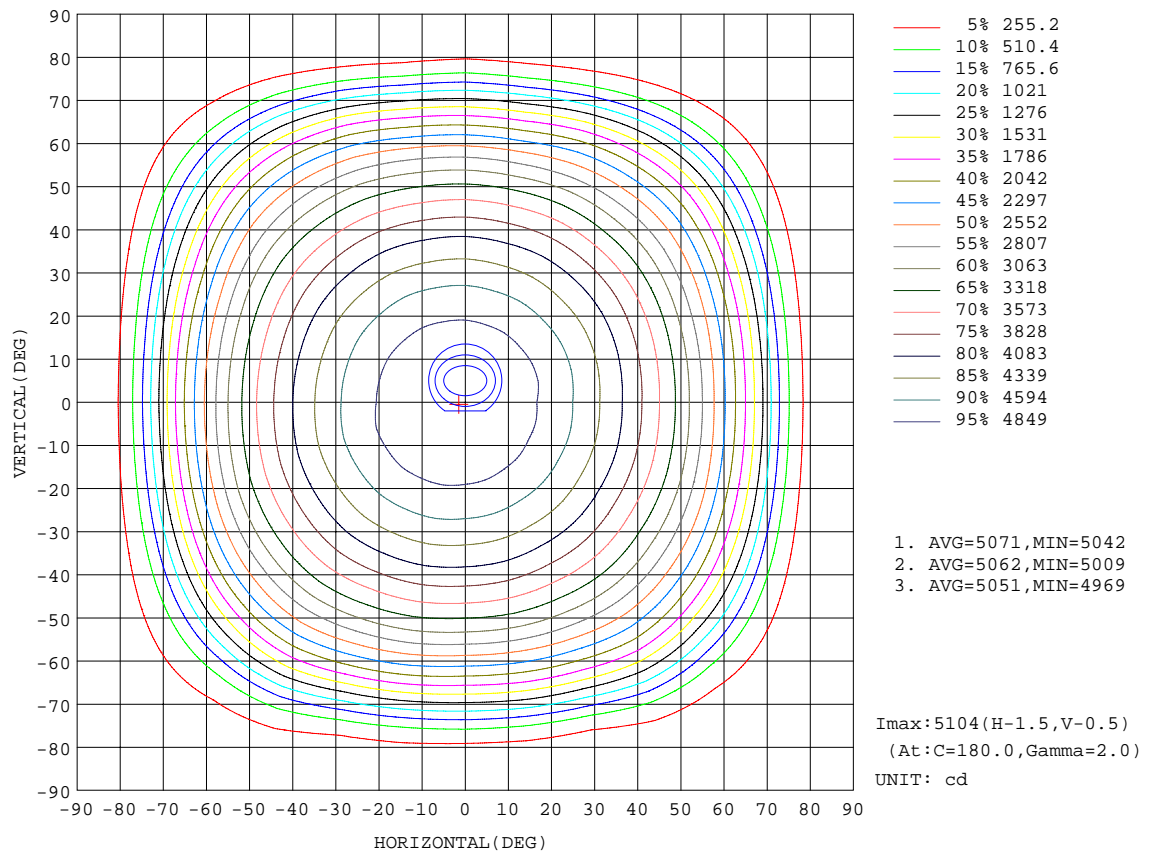
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	46	39	57	46	39	56	45	39	32
0.80	68	56	49	67	56	49	65	55	49	42
1.00	77	66	59	76	65	58	73	67	58	51
1.25	84	74	67	83	73	66	80	72	66	59
1.50	89	80	73	88	79	72	85	77	71	64
2.00	96	88	82	94	87	81	91	85	80	72
2.50	100	93	87	98	91	86	94	89	84	76
3.00	103	97	92	101	95	91	97	92	88	80
4.00	107	102	98	105	100	96	101	97	94	85
5.00	110	105	101	107	103	100	103	100	97	88
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:2024-10-24

$\gamma$  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:0.3796A P:80.27W PF:0.9640 Freq:50.01Hz Lamp Flux:14799.3x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-80WHBE-NV-L2-00-4080-120D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 263mm	Shielding Angle:



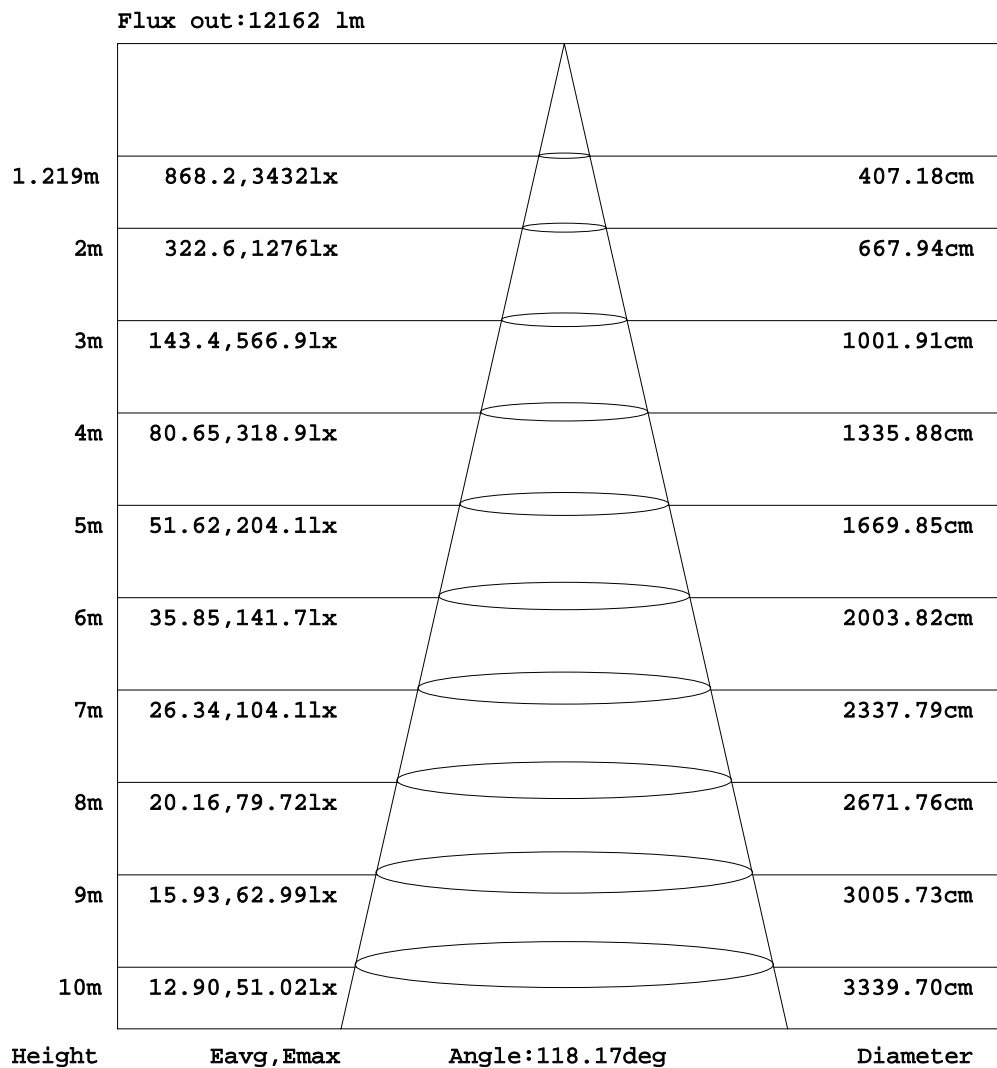
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-10-24

$\gamma$  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:0.3796A P:80.27W PF:0.9640 Freq:50.01Hz Lamp Flux:14799.3x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-80WHBE-NV-L2-00-4080-120D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:



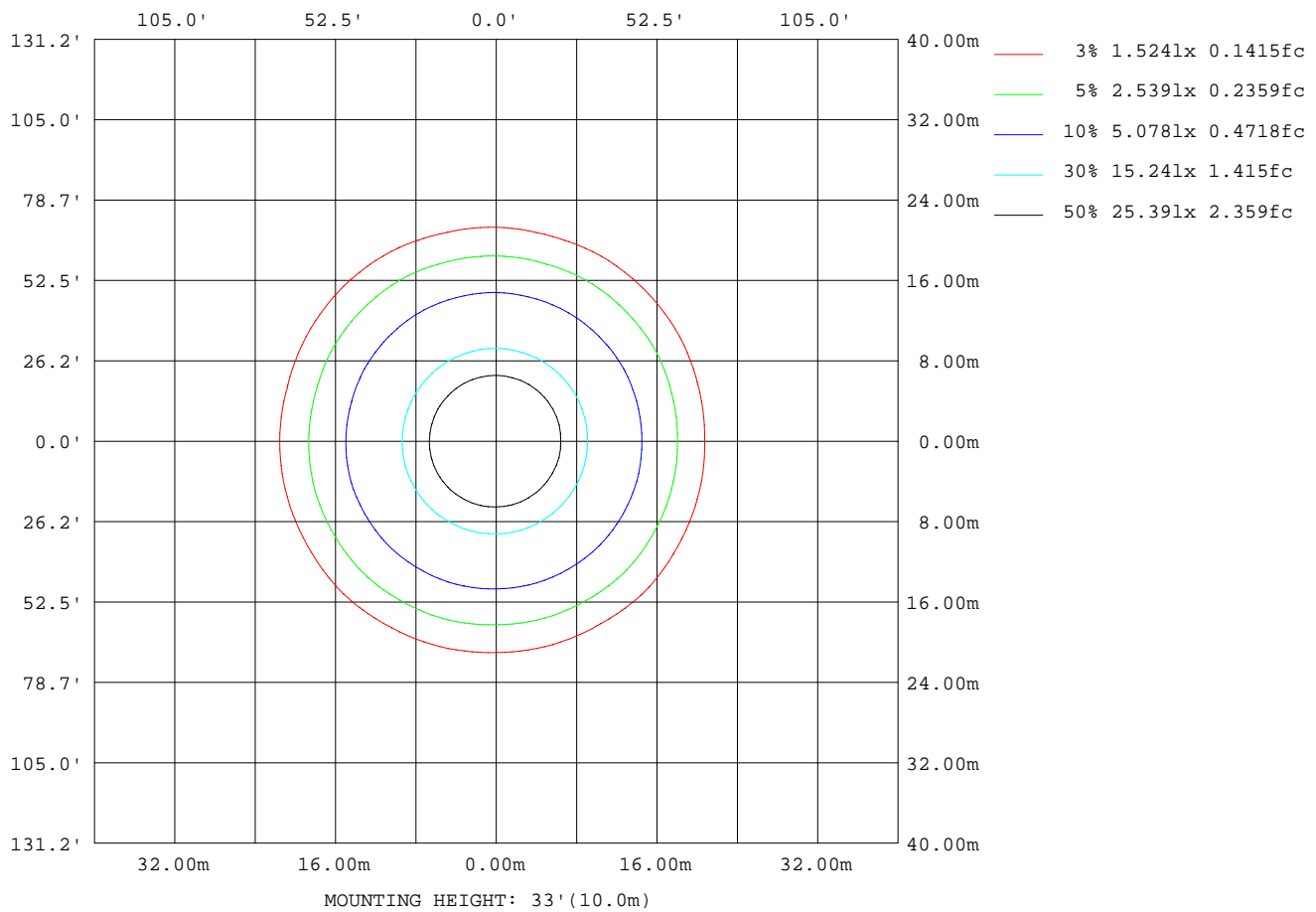
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-10-24

$\gamma$  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:0.3796A P:80.27W PF:0.9640 Freq:50.01Hz Lamp Flux:14799.3x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-80WHBE-NV-L2-00-4080-120D-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:2024-10-24

$\gamma$  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:0.3796A P:80.27W PF:0.9640 Freq:50.01Hz Lamp Flux:14799.3x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-80WHBE-NV-L2-00-4080-120D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

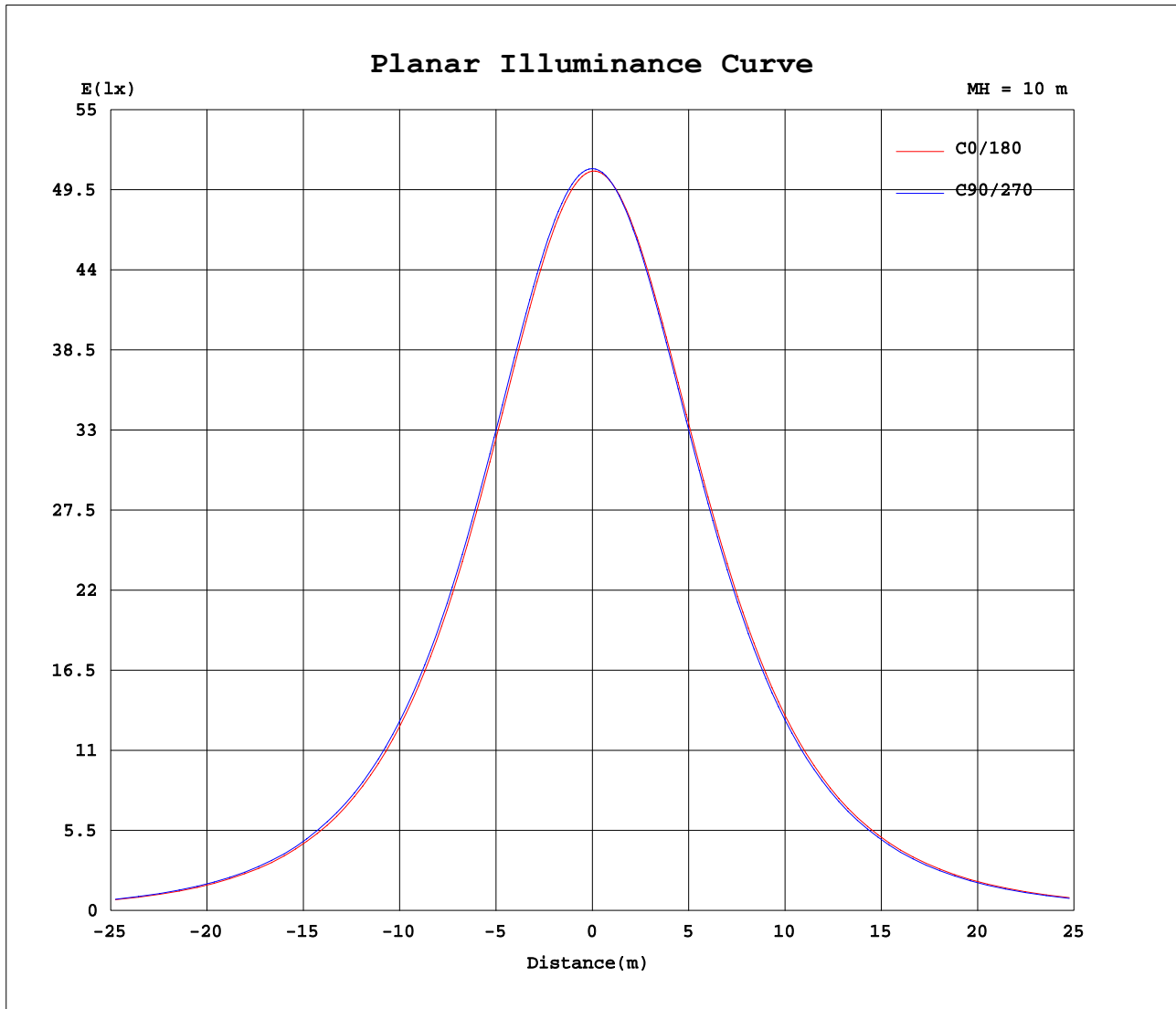
AvgL	cd/m2
L_0~180 (65) av	83940
L_0~180 (75) av	45149
L_0~180 (85) av	7067
L_90~270 (65) av	83272
L_90~270 (75) av	44909
L_90~270 (85) av	5018
L_45 (65) av	86017
L_45 (75) av	43737
L_45 (85) av	5763

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-10-24

$\gamma$  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: 2024-10-24

$\gamma$  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:0.3796A P:80.27W PF:0.9640 Freq:50.01Hz Lamp Flux:14799.3x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-80WHBE-NV-L2-00-4080-120D-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	5093	5093	5093	5093	5093	5093	5093	5093	5093	5093	5093	5093	5093	5093	5093	5093	5093	5093	5093
5	5062	5063	5063	5067	5070	5073	5077	5082	5085	5088	5089	5090	5091	5088	5088	5085	5083	5078	5076
10	4998	5000	5000	5007	5011	5020	5026	5036	5041	5048	5050	5054	5055	5050	5049	5042	5038	5029	5025
15	4901	4904	4904	4914	4919	4934	4942	4957	4964	4975	4976	4983	4985	4978	4977	4966	4961	4947	4941
20	4770	4774	4774	4785	4793	4810	4822	4841	4850	4866	4869	4878	4879	4870	4868	4854	4846	4829	4821
25	4604	4609	4608	4622	4628	4651	4664	4689	4702	4722	4725	4737	4738	4728	4724	4706	4697	4674	4666
30	4404	4410	4406	4422	4430	4458	4474	4502	4517	4542	4545	4558	4562	4549	4545	4524	4515	4489	4479
35	4168	4173	4168	4186	4197	4227	4246	4278	4296	4324	4330	4345	4346	4331	4326	4303	4293	4264	4255
40	3896	3898	3892	3913	3926	3961	3981	4016	4035	4068	4075	4092	4095	4077	4072	4047	4035	4006	3996
45	3586	3590	3580	3605	3618	3656	3676	3715	3733	3771	3778	3801	3802	3784	3779	3752	3740	3710	3698
50	3231	3241	3231	3257	3268	3309	3322	3371	3391	3432	3439	3465	3469	3450	3446	3420	3410	3376	3362
55	2813	2832	2835	2865	2870	2900	2916	2964	2993	3039	3047	3082	3072	3052	3066	3041	3035	2984	2966
60	2328	2353	2368	2415	2395	2412	2424	2482	2518	2581	2577	2606	2609	2574	2616	2606	2597	2528	2496
65	1788	1801	1817	1879	1832	1864	1864	1923	1957	2038	2022	2043	2066	2034	2076	2090	2073	1989	1959
70	1149	1146	1139	1211	1167	1221	1230	1261	1270	1367	1336	1365	1421	1400	1424	1445	1427	1343	1331
75	524	497	468	536	491	559	596	600	587	664	614	666	746	714	714	723	699	638	667
80	164	146	123	160	123	180	206	214	187	240	208	247	286	255	221	226	205	200	231
85	10.3	10.8	10.8	12.1	11.6	16.0	19.5	32.7	29.4	44.7	40.6	49.2	56.6	41.2	31.0	39.9	30.0	22.4	28.0
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:2024-10-24

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:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.3V I:0.3796A P:80.27W PF:0.9640 Freq:50.01Hz Lamp Flux:14799.3x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-80WHBE-NV-L2-00-4080-120D-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	5093	5093	5093	5093	5093														
5	5072	5070	5066	5065	5062														
10	5016	5013	5006	5003	4998														
15	4928	4923	4913	4910	4902														
20	4805	4799	4786	4783	4772														
25	4646	4640	4624	4620	4607														
30	4456	4449	4428	4423	4408														
35	4228	4220	4197	4191	4173														
40	3967	3956	3932	3925	3904														
45	3668	3655	3624	3615	3594														
50	3326	3303	3260	3250	3230														
55	2915	2902	2859	2853	2813														
60	2439	2449	2413	2409	2348														
65	1899	1922	1892	1867	1800														
70	1255	1257	1226	1179	1144														
75	580	556	536	510	497														
80	191	158	162	145	156														
85	15.0	14.6	12.5	12.1	10.5														
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:2024-10-24

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: