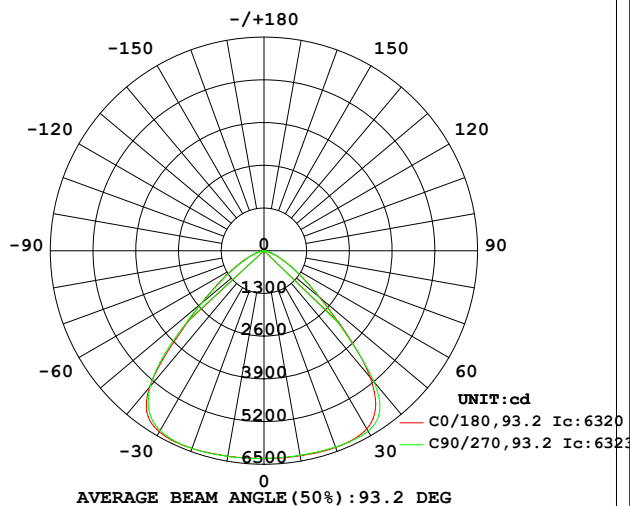


## LUMINAIRE PHOTOMETRIC TEST REPORT

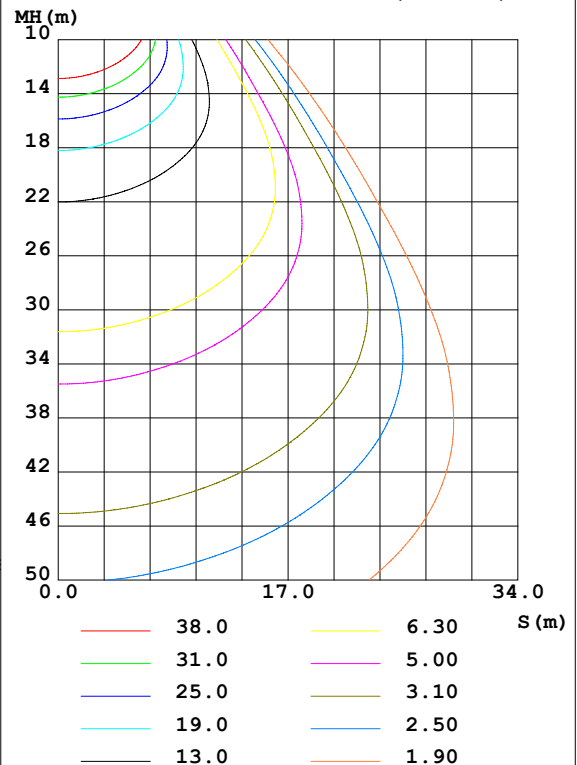
Test:U:219.3V I:0.3778A P:79.89W PF:0.9642 Freq:50.01Hz Lamp Flux:14168.6x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-80WHBE-NV-L2-00-3080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 177.34 lm/W			
MODEL	2835	I <sub>max</sub> (cd)	6419	S/MH (C0/180)	1.36
NOMINAL POWER (W)	80	LOR (%)	100.0	S/MH (C90/270)	1.38
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	14169	$\eta$ UP,DN (C0-180)	0.0,49.4
NOMINAL FLUX (lm)	14168.6	CIE CLASS	DIRECT	$\eta$ UP,DN (C180-360)	0.0,50.6
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: 2024-10-24

$\gamma$  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	6335	6321	6321	6332	6348	6355	6354	6346	0- 10	604.3	604.3	4.27,4.27
20	6371	6348	6359	6376	6402	6409	6402	6394	10- 20	1803	2408	17,17
30	6257	6284	6332	6335	6366	6359	6320	6299	20- 30	2949	5357	37.8,37.8
40	5025	5130	5202	5291	5417	5451	5378	5113	30- 40	3734	9091	64.2,64.2
50	2237	2257	2191	2383	2487	2521	2461	2337	40- 50	2851	11942	84.3,84.3
60	921.8	919.5	910.1	990.5	1030	1022	983.8	964.2	50- 60	1398	13340	94.2,94.2
70	325.2	329.1	327.5	371.8	371.4	375.2	356.5	349.7	60- 70	610.4	13950	98.5,98.5
80	69.04	66.07	73.57	79.66	90.11	82.17	82.95	69.36	70- 80	197.8	14148	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	20.35	14169	100,100
100	0	0	0	0	0	0	0	0	90-100	0	14169	100,100
110	0	0	0	0	0	0	0	0	100-110	0	14169	100,100
120	0	0	0	0	0	0	0	0	110-120	0	14169	100,100
130	0	0	0	0	0	0	0	0	120-130	0	14169	100,100
140	0	0	0	0	0	0	0	0	130-140	0	14169	100,100
150	0	0	0	0	0	0	0	0	140-150	0	14169	100,100
160	0	0	0	0	0	0	0	0	150-160	0	14169	100,100
170	0	0	0	0	0	0	0	0	160-170	0	14169	100,100
180	0	0	0	0	0	0	0	0	170-180	0	14169	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 10751 lm

%lum = 75.9%

%lamp = 75.9%

Conical surface Flux(120deg): 13340 lm

%lum = 94.2%

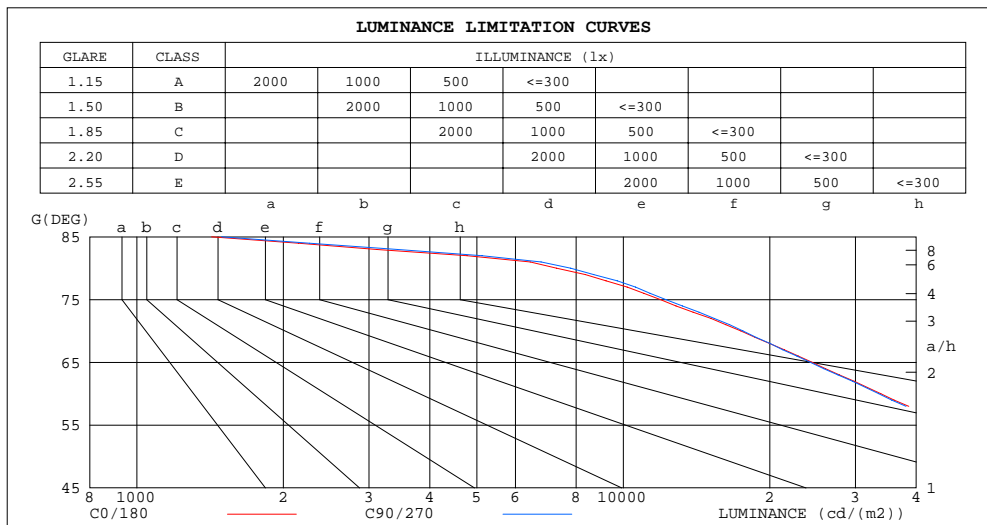
%lamp = 94.2%

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

$\gamma$  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:0.3778A P:79.89W PF:0.9642 Freq:50.01Hz Lamp Flux:14168.6x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-80WHBE-NV-L2-00-3080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:



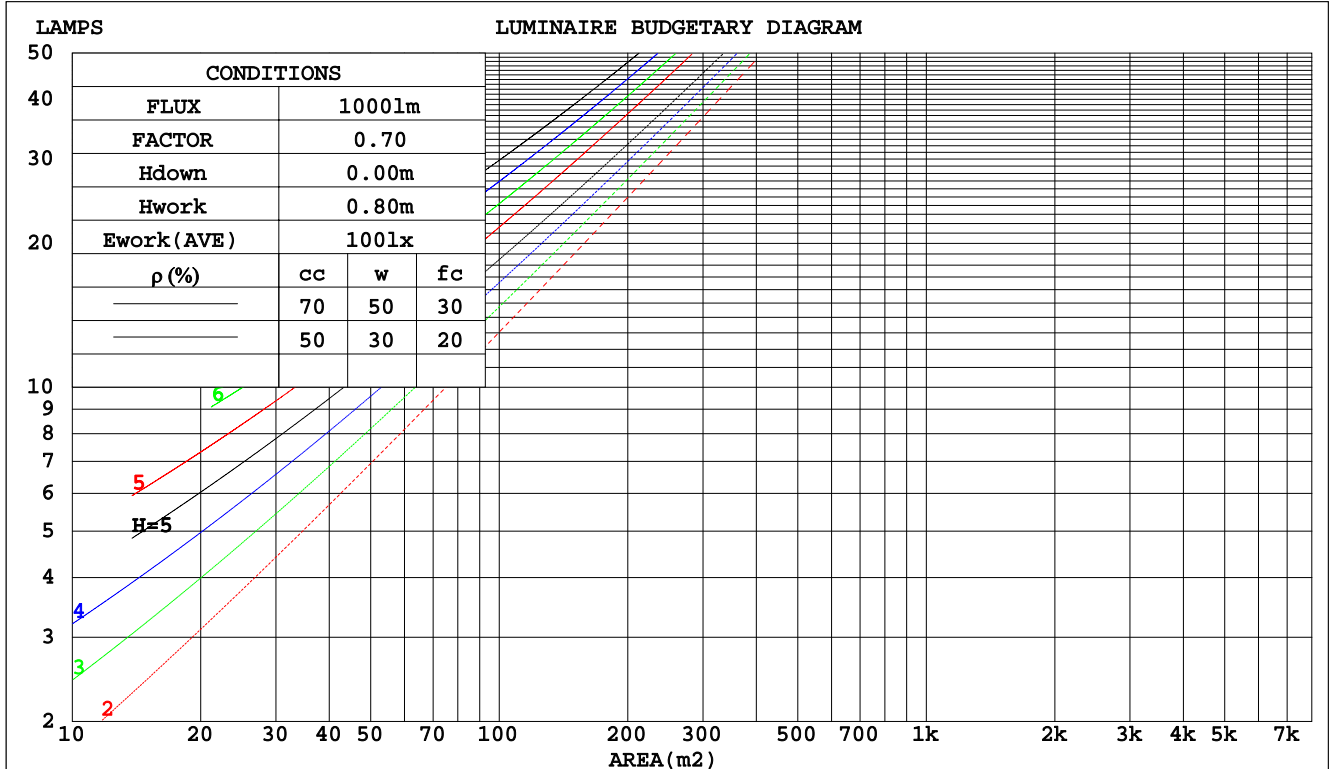
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-10-24

$\gamma$  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:0.3778A P:79.89W PF:0.9642 Freq:50.01Hz Lamp Flux:14168.6x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-80WHBE-NV-L2-00-3080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 263mm	Shielding Angle:

ρcc	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	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	.76	.86	.80	.75	.83	.78	.74	.81	.76	.72	.78	.74	.71	.69
4.0	.79	.72	.66	.78	.71	.66	.75	.70	.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	.52	.46	.57	.51	.46	.56	.50	.46	.55	.50	.45	.44
8.0	.55	.47	.42	.54	.47	.42	.53	.46	.42	.52	.46	.41	.51	.45	.41	.39
9.0	.51	.43	.38	.50	.43	.38	.49	.42	.38	.48	.42	.38	.47	.41	.37	.36
10.0	.47	.39	.35	.46	.39	.35	.45	.39	.34	.44	.38	.34	.44	.38	.34	.33



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:0.3778A P:79.89W PF:0.9642 Freq:50.01Hz Lamp Flux:14168.6x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-80WHBE-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	.226	.129	.041	.214	.123	.039	.202	.116	.037	.191	.111	.036	
2.0	.228	.125	.038	.222	.122	.038	.211	.117	.036	.201	.113	.035	.191	.108	.034	
3.0	.218	.116	.035	.213	.114	.034	.203	.110	.033	.194	.106	.033	.186	.103	.032	
4.0	.207	.108	.032	.202	.106	.031	.194	.103	.031	.186	.100	.030	.178	.097	.030	
5.0	.196	.100	.029	.192	.098	.029	.184	.096	.028	.177	.093	.028	.171	.091	.027	
6.0	.185	.093	.027	.182	.092	.026	.175	.090	.026	.169	.088	.026	.163	.086	.025	
7.0	.175	.087	.025	.172	.086	.024	.166	.084	.024	.160	.082	.024	.155	.081	.024	
8.0	.166	.081	.023	.163	.080	.023	.158	.079	.023	.153	.077	.022	.148	.076	.022	
9.0	.157	.076	.021	.155	.075	.021	.150	.074	.021	.145	.073	.021	.141	.072	.021	
10.0	.150	.072	.020	.147	.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	.154	.114	.082	.132	.098	.071	.091	.068	.050	.053	.040	.029	.017	.013	.010	
4.0	.146	.100	.065	.126	.086	.056	.086	.060	.040	.050	.035	.023	.016	.011	.008	
5.0	.139	.089	.052	.120	.077	.046	.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	.012	.014	.008	.004	
9.0	.116	.063	.027	.100	.054	.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:2024-10-24

$\gamma$  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:0.3778A P:79.89W PF:0.9642 Freq:50.01Hz Lamp Flux:14168.6x1 lm										
NAME: AOK HBE					TYPE:			WEIGHT:		
SPEC.:AOK-80WHBE-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	25.8	27.1	26.0	27.2	27.4	25.8	27.1	26.0	27.2	27.4
3H	25.9	27.1	26.2	27.3	27.5	25.9	27.1	26.2	27.3	27.5
4H	25.9	27.0	26.2	27.2	27.5	25.9	27.0	26.2	27.2	27.5
6H	25.8	26.8	26.1	27.1	27.4	25.8	26.9	26.1	27.1	27.4
8H	25.8	26.8	26.1	27.0	27.3	25.8	26.8	26.1	27.1	27.3
12H	25.7	26.7	26.1	27.0	27.2	25.7	26.7	26.1	27.0	27.3
4H 2H	25.8	26.9	26.1	27.1	27.4	25.8	26.9	26.1	27.1	27.3
3H	26.0	26.9	26.3	27.2	27.5	26.0	26.9	26.3	27.2	27.5
4H	26.0	26.8	26.3	27.1	27.5	26.0	26.9	26.3	27.2	27.5
6H	25.9	26.7	26.3	27.0	27.4	26.0	26.7	26.3	27.1	27.4
8H	25.9	26.6	26.3	27.0	27.3	25.9	26.6	26.3	27.0	27.4
12H	25.8	26.5	26.3	26.9	27.3	25.9	26.5	26.3	26.9	27.3
8H 4H	25.9	26.6	26.3	26.9	27.3	25.9	26.6	26.3	27.0	27.3
6H	25.9	26.4	26.3	26.8	27.3	25.9	26.5	26.3	26.9	27.3
8H	25.8	26.3	26.3	26.8	27.2	25.9	26.4	26.3	26.8	27.2
12H	25.8	26.2	26.3	26.7	27.1	25.8	26.2	26.3	26.7	27.2
12H 4H	25.8	26.5	26.3	26.9	27.3	25.9	26.5	26.3	26.9	27.3
6H	25.8	26.3	26.3	26.7	27.2	25.8	26.4	26.3	26.8	27.2
8H	25.8	26.2	26.3	26.7	27.1	25.8	26.2	26.3	26.7	27.2
Variations with the observer position at spacings:										
S = 1.0H	+ 1.5 / - 2.3					+ 1.4 / - 2.3				
1.5H	+ 1.5 / - 1.8					+ 1.7 / - 1.6				
2.0H	+ 3.0 / - 2.8					+ 2.8 / - 2.6				

CIE Pub.117, 14169 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 9.2$ )

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:

## UTILIZATION FACTORS TABLE

Test:U:219.3V I:0.3778A P:79.89W PF:0.9642 Freq:50.01Hz Lamp Flux:14168.6x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-80WHBE-NV-L2-00-3080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 263mm	Shielding Angle:

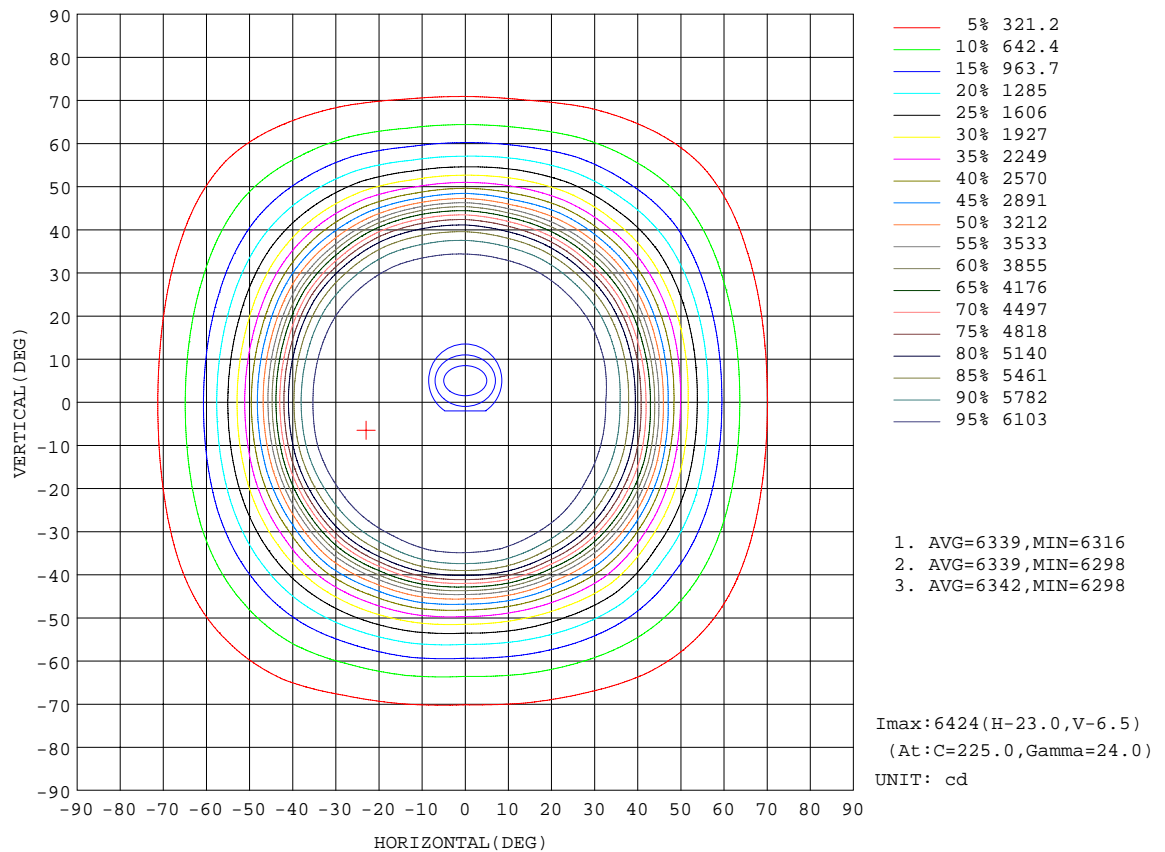
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	69	59	53	68	59	53	67	58	53	48
0.80	79	69	64	78	69	63	76	68	63	57
1.00	87	78	72	86	77	72	84	78	72	66
1.25	93	85	80	92	84	79	89	83	78	73
1.50	97	90	85	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:2024-10-24

$\gamma$  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:0.3778A P:79.89W PF:0.9642 Freq:50.01Hz Lamp Flux:14168.6x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-80WHBE-NV-L2-00-3080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 263mm	Shielding Angle:



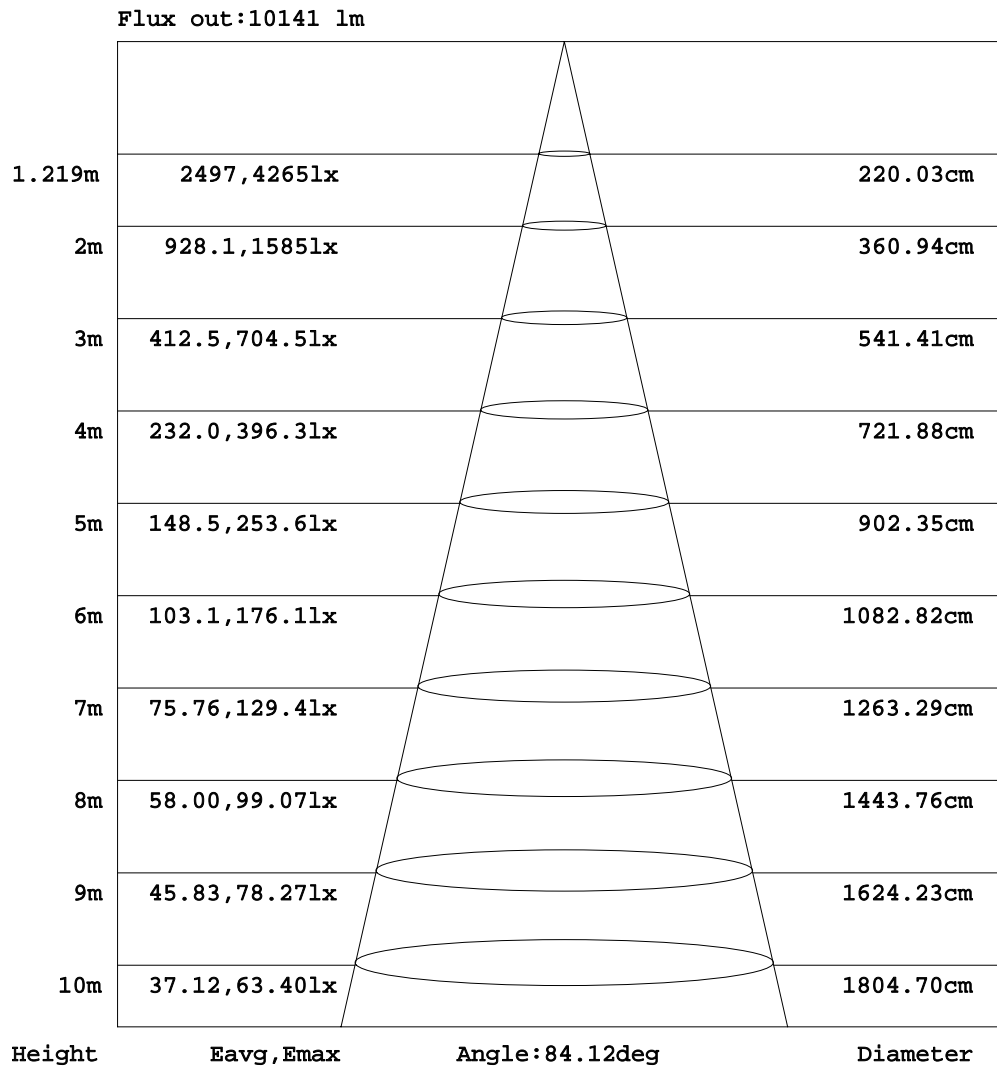
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-10-24

$\gamma$  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:0.3778A P:79.89W PF:0.9642 Freq:50.01Hz Lamp Flux:14168.6x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-80WHBE-NV-L2-00-3080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:



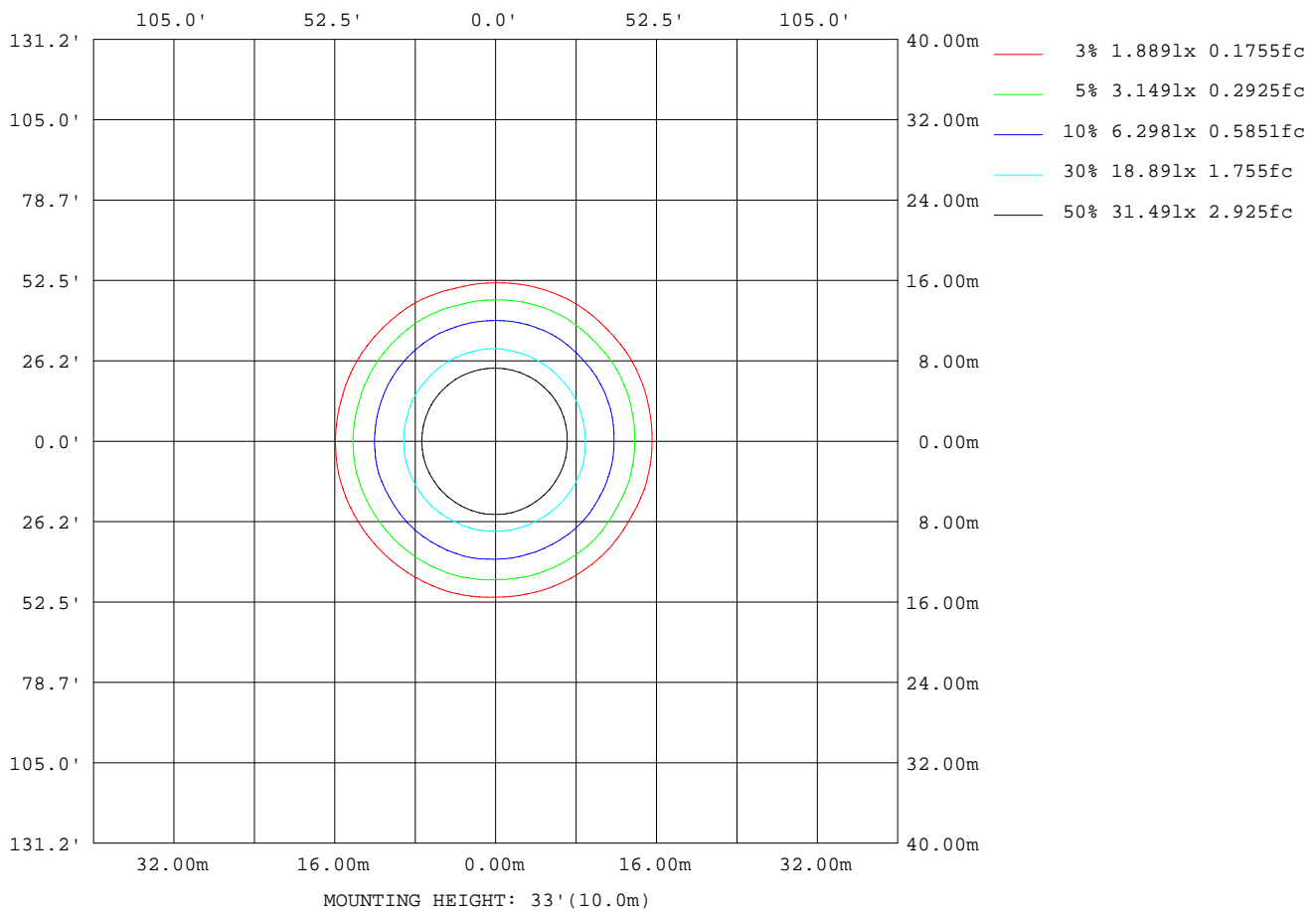
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

$\gamma$  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:0.3778A P:79.89W PF:0.9642 Freq:50.01Hz Lamp Flux:14168.6x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-80WHBE-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:2024-10-24

$\gamma$  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:0.3778A P:79.89W PF:0.9642 Freq:50.01Hz Lamp Flux:14168.6x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-80WHBE-NV-L2-00-3080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 263mm	Shielding Angle:

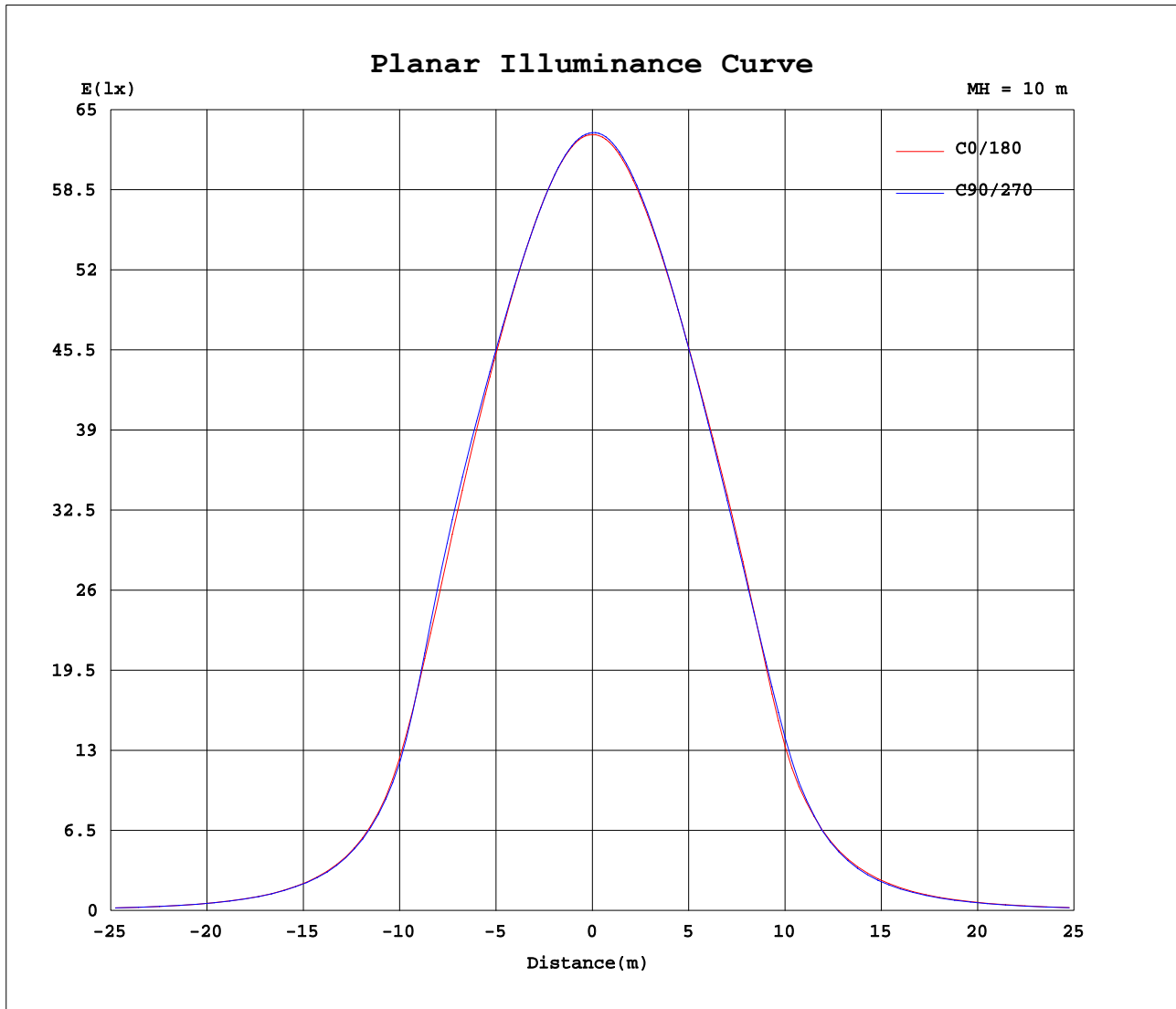
AvgL	cd/m2
L_0~180 (65) av	26195
L_0~180 (75) av	13021
L_0~180 (85) av	2143
L_90~270 (65) av	25240
L_90~270 (75) av	12856
L_90~270 (85) av	1880
L_45 (65) av	26154
L_45 (75) av	12968
L_45 (85) av	2432

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:0.3778A P:79.89W PF:0.9642 Freq:50.01Hz Lamp Flux:14168.6x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-80WHBE-NV-L2-00-3080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:±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	6320	6320	6320	6320	6320	6320	6320	6320	6320	6320	6320	6320	6320	6320	6320	6320	6320	6320	6320
5	6325	6321	6320	6317	6317	6316	6318	6317	6320	6323	6326	6328	6332	6334	6335	6335	6336	6337	6335
10	6335	6329	6324	6321	6320	6319	6321	6322	6326	6332	6338	6343	6348	6352	6354	6355	6357	6357	6354
15	6354	6344	6338	6331	6331	6329	6334	6335	6342	6350	6359	6365	6373	6378	6382	6383	6383	6383	6380
20	6371	6360	6352	6348	6352	6354	6359	6361	6367	6376	6385	6392	6402	6408	6409	6409	6408	6406	6402
25	6353	6345	6341	6345	6356	6365	6370	6373	6376	6384	6392	6404	6415	6417	6418	6417	6412	6402	6398
30	6257	6255	6260	6284	6302	6324	6332	6336	6327	6335	6339	6356	6366	6368	6371	6359	6350	6330	6320
35	5908	5934	5948	6001	6039	6096	6099	6103	6070	6087	6091	6130	6152	6156	6164	6142	6127	6084	6059
40	5025	5099	5086	5130	5110	5207	5202	5242	5214	5291	5297	5379	5417	5436	5486	5451	5477	5419	5378
45	3513	3594	3488	3456	3348	3407	3390	3507	3512	3652	3634	3732	3791	3818	3935	3887	3994	3995	3980
50	2237	2236	2208	2257	2192	2178	2191	2292	2319	2383	2361	2458	2487	2466	2514	2521	2525	2450	2461
55	1451	1453	1400	1462	1442	1440	1421	1492	1513	1537	1560	1601	1618	1592	1620	1611	1624	1542	1541
60	922	924	896	919	926	926	910	960	962	990	998	1034	1030	1018	1032	1022	1033	974	984
65	563	561	550	562	564	575	557	590	591	619	614	642	640	625	643	627	633	600	602
70	325	321	319	329	327	337	327	345	346	372	364	377	371	367	383	375	375	358	356
75	168	159	150	166	155	168	172	174	171	191	179	191	198	190	195	197	194	188	190
80	69.0	59.3	44.9	66.1	46.6	65.9	73.6	71.7	54.2	79.7	63.1	75.9	90.1	83.6	62.4	82.2	64.5	76.4	83.0
85	6.77	6.45	6.84	7.54	6.61	6.23	7.07	7.61	10.1	12.7	11.5	10.4	13.5	11.3	12.6	14.8	13.4	9.78	10.7
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:0.3778A P:79.89W PF:0.9642 Freq:50.01Hz Lamp Flux:14168.6x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-80WHBE-NV-L2-00-3080-90D-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	6320	6320	6320	6320	6320													
5	6335	6332	6331	6327	6326													
10	6351	6348	6346	6341	6337													
15	6378	6374	6373	6365	6360													
20	6399	6396	6394	6385	6378													
25	6390	6389	6384	6375	6365													
30	6304	6304	6299	6296	6277													
35	6017	6017	5989	5982	5938													
40	5263	5211	5113	5106	5045													
45	3760	3677	3574	3577	3499													
50	2427	2427	2337	2324	2306													
55	1569	1571	1505	1523	1480													
60	982	1005	964	973	928													
65	598	613	593	596	558													
70	347	359	350	345	321													
75	180	181	175	168	165													
80	71.9	59.1	69.4	51.1	64.0													
85	9.64	11.1	11.1	10.3	7.63													
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: