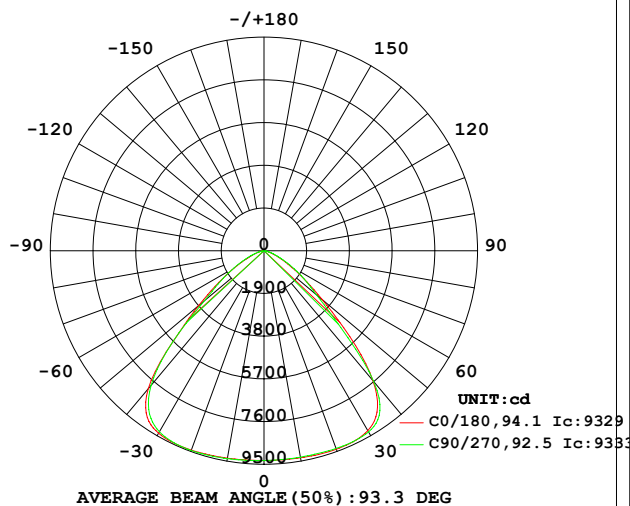


LUMINAIRE PHOTOMETRIC TEST REPORT

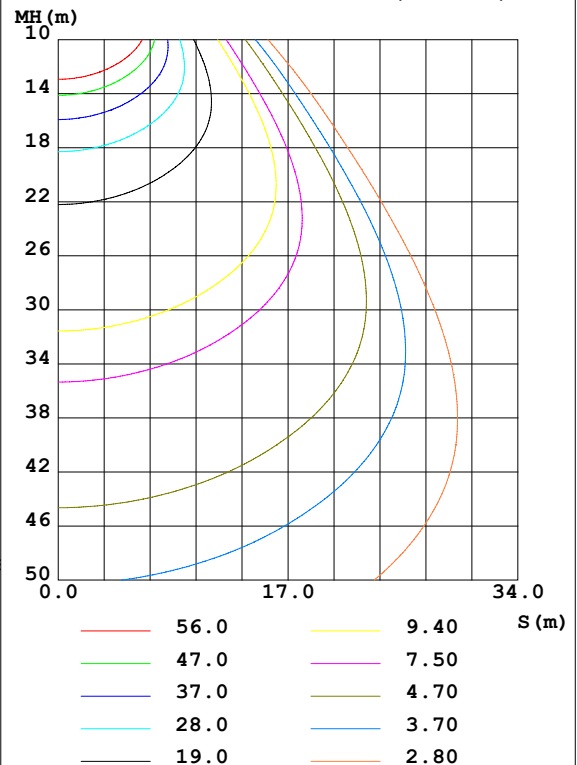
Test:U:219.2V I:0.5595A P:120.1W PF:0.9794 Freq:50.01Hz Lamp Flux:20891.4x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-120WHBE-NV-L2-00-5080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: Φ 263mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 173.90 lm/W			
MODEL	2835	I _{max} (cd)	9467	S/MH (C0/180)	1.37
NOMINAL POWER (W)	120	LOR (%)	100.0	S/MH (C90/270)	1.37
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	20891	η UP,DN (C0-180)	0.0,49.4
NOMINAL FLUX (lm)	20891.4	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,50.6
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220	η 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

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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	9349	9325	9323	9336	9367	9387	9387	9373	0- 10	891.8	891.8	4.27,4.27
20	9395	9366	9360	9380	9437	9459	9454	9429	10- 20	2661	3553	17,17
30	9236	9275	9303	9293	9373	9356	9301	9270	20- 30	4344	7896	37.8,37.8
40	7538	7530	7592	7822	8008	7964	7807	7589	30- 40	5489	13385	64.1,64.1
50	3375	3320	3064	3537	3783	3678	3461	3482	40- 50	4225	17610	84.3,84.3
60	1325	1311	1439	1543	1518	1435	1561	1506	50- 60	2074	19684	94.2,94.2
70	444.8	477.2	495.0	570.0	501.2	540.0	567.1	547.5	60- 70	896.5	20581	98.5,98.5
80	91.69	79.27	99.98	90.57	117.8	92.62	128.1	84.17	70- 80	282.0	20863	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	28.51	20891	100,100
100	0	0	0	0	0	0	0	0	90-100	0	20891	100,100
110	0	0	0	0	0	0	0	0	100-110	0	20891	100,100
120	0	0	0	0	0	0	0	0	110-120	0	20891	100,100
130	0	0	0	0	0	0	0	0	120-130	0	20891	100,100
140	0	0	0	0	0	0	0	0	130-140	0	20891	100,100
150	0	0	0	0	0	0	0	0	140-150	0	20891	100,100
160	0	0	0	0	0	0	0	0	150-160	0	20891	100,100
170	0	0	0	0	0	0	0	0	160-170	0	20891	100,100
180	0	0	0	0	0	0	0	0	170-180	0	20891	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 15841 lm

%lum = 75.8%

%lamp = 75.8%

Conical surface Flux(120deg): 19684 lm

%lum = 94.2%

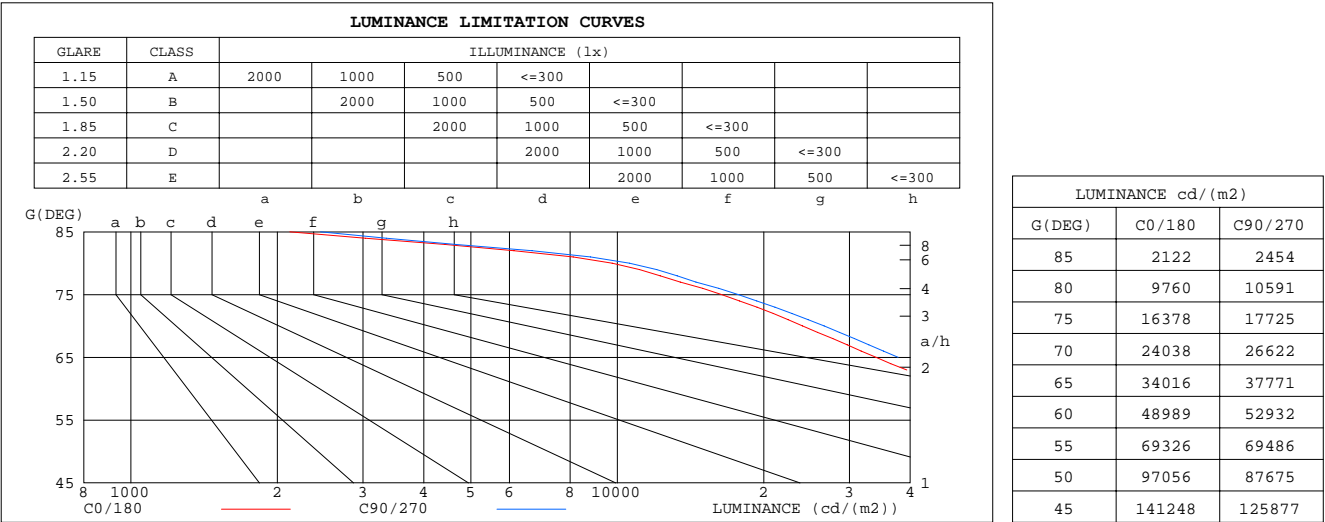
%lamp = 94.2%

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

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:

LUMINANCE LIMITATION CURVES

Test:U:219.2V I:0.5595A P:120.1W PF:0.9794 Freq:50.01Hz Lamp Flux:20891.4x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-120WHBE-NV-L2-00-5080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:Φ263mm	Shielding Angle:



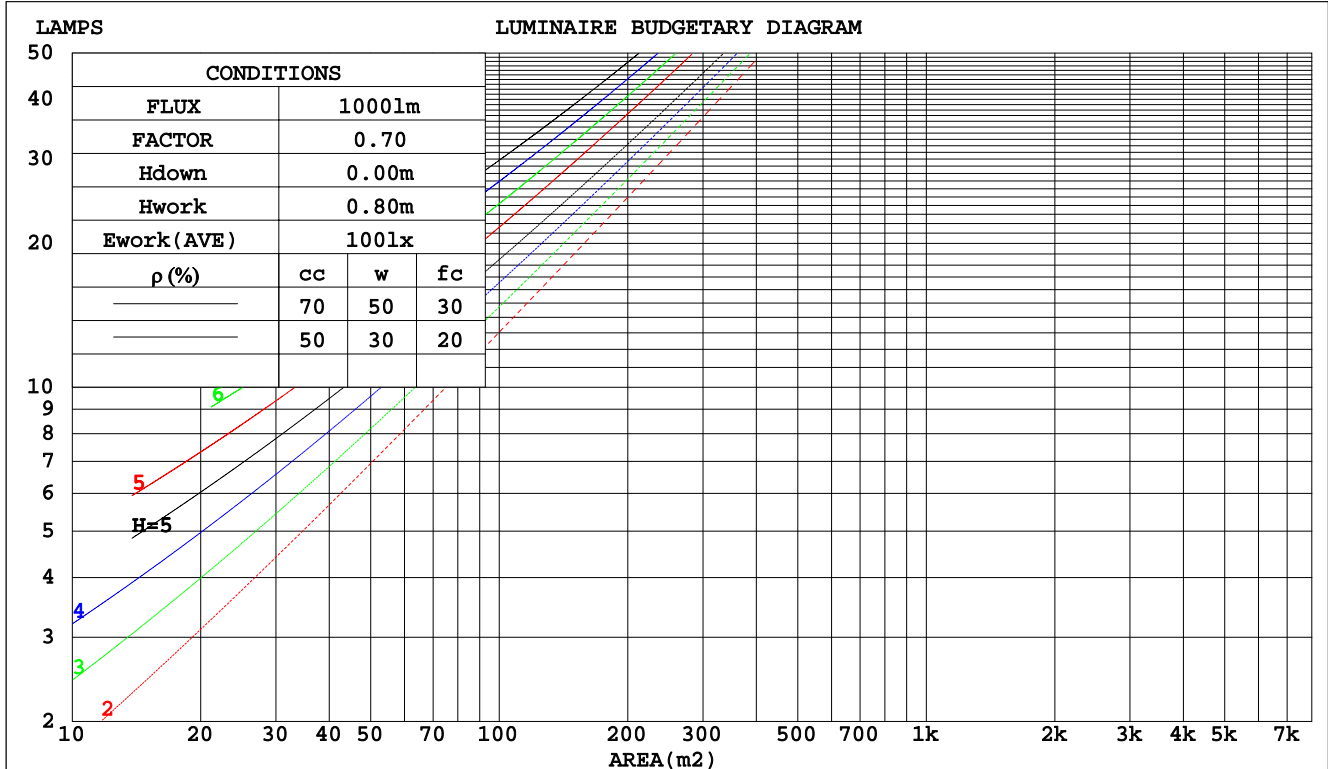
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-10-24

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.2V I:0.5595A P:120.1W PF:0.9794 Freq:50.01Hz Lamp Flux:20891.4x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-120WHBE-NV-L2-00-5080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: ϕ 263mm	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{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	1.08	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

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:

WEC AND CCEC

Test:U:219.2V I:0.5595A P:120.1W PF:0.9794 Freq:50.01Hz Lamp Flux:20891.4x1 lm					
NAME: AOK HBE			TYPE:		WEIGHT:
SPEC.:AOK-120WHBE-NV-L2-00-5080-90D-P			DIM.:		SERIAL No.:
MFR.: AOK			SUR.: ϕ 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	.213	.122	.039	.201	.116	.037	.191	.110	.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

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:

UGR(Unified Glare Rating) Table

Test:U:219.2V I:0.5595A P:120.1W PF:0.9794 Freq:50.01Hz Lamp Flux:20891.4x1 lm												
NAME: AOK HBE					TYPE:			WEIGHT:				
SPEC.:AOK-120WHBE-NV-L2-00-5080-90D-P					DIM.:			SERIAL No.:				
MFR.: AOK					SUR.: ϕ 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	2H	27.2	28.5	27.4	28.7	28.8	27.1	28.4	27.3	28.5	28.7	
	3H	27.3	28.5	27.6	28.7	28.9	27.2	28.4	27.5	28.6	28.8	
	4H	27.3	28.4	27.6	28.6	28.9	27.2	28.3	27.5	28.6	28.8	
	6H	27.2	28.2	27.5	28.5	28.8	27.1	28.2	27.5	28.4	28.7	
	8H	27.2	28.2	27.5	28.4	28.7	27.1	28.1	27.4	28.4	28.6	
	12H	27.1	28.1	27.4	28.4	28.6	27.1	28.0	27.4	28.3	28.6	
	4H	2H	27.1	28.3	27.4	28.5	28.7	27.0	28.2	27.3	28.4	28.6
		3H	27.3	28.3	27.7	28.6	28.9	27.2	28.2	27.6	28.5	28.8
		4H	27.3	28.2	27.7	28.5	28.8	27.3	28.1	27.6	28.4	28.8
		6H	27.3	28.1	27.7	28.4	28.8	27.2	28.0	27.6	28.3	28.7
		8H	27.3	28.0	27.7	28.3	28.7	27.2	27.9	27.6	28.3	28.6
		12H	27.2	27.9	27.6	28.2	28.6	27.2	27.8	27.6	28.2	28.6
8H	4H	27.3	28.0	27.7	28.3	28.7	27.2	27.9	27.6	28.2	28.6	
	6H	27.2	27.8	27.7	28.2	28.6	27.2	27.7	27.6	28.1	28.6	
	8H	27.2	27.7	27.6	28.1	28.6	27.1	27.6	27.6	28.1	28.5	
	12H	27.2	27.6	27.6	28.0	28.5	27.1	27.5	27.6	28.0	28.4	
12H	4H	27.2	27.9	27.6	28.2	28.6	27.1	27.8	27.6	28.2	28.6	
	6H	27.2	27.7	27.6	28.1	28.6	27.1	27.6	27.6	28.1	28.5	
	8H	27.2	27.6	27.6	28.0	28.5	27.1	27.5	27.6	28.0	28.4	
Variations with the observer position at spacings:												
S = 1.0H	+ 1.5 / - 2.3					+ 1.4 / - 2.3						
1.5H	+ 1.6 / - 1.7					+ 1.7 / - 1.6						
2.0H	+ 3.2 / - 2.9					+ 2.7 / - 3.1						

CIE Pub.117, 20891 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 10.6$)

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:

UTILIZATION FACTORS TABLE

Test:U:219.2V I:0.5595A P:120.1W PF:0.9794 Freq:50.01Hz Lamp Flux:20891.4x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-120WHBE-NV-L2-00-5080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: ϕ 263mm	Shielding Angle:

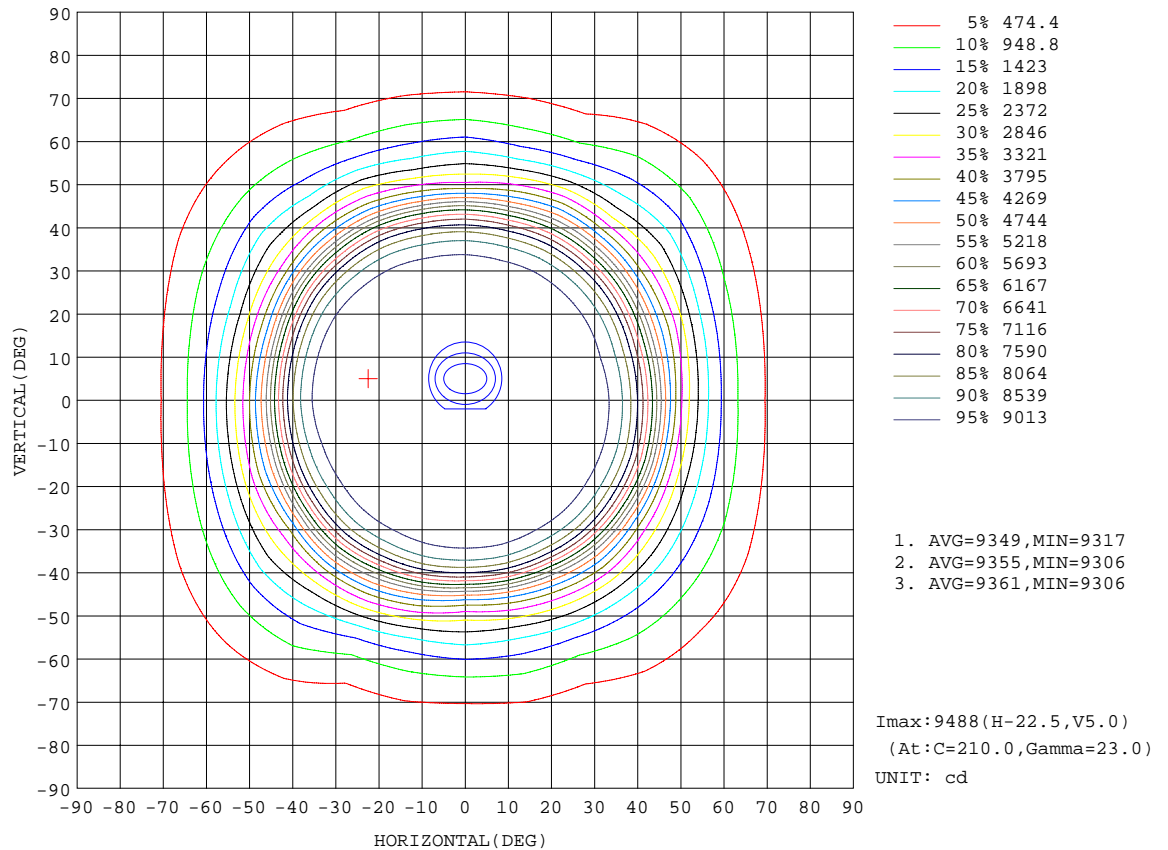
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	69	59	53	68	59	53	67	58	53	48
0.80	79	69	64	78	69	63	76	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

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ 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:0.5595A P:120.1W PF:0.9794 Freq:50.01Hz Lamp Flux:20891.4x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-120WHBE-NV-L2-00-5080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: ϕ 263mm	Shielding Angle:



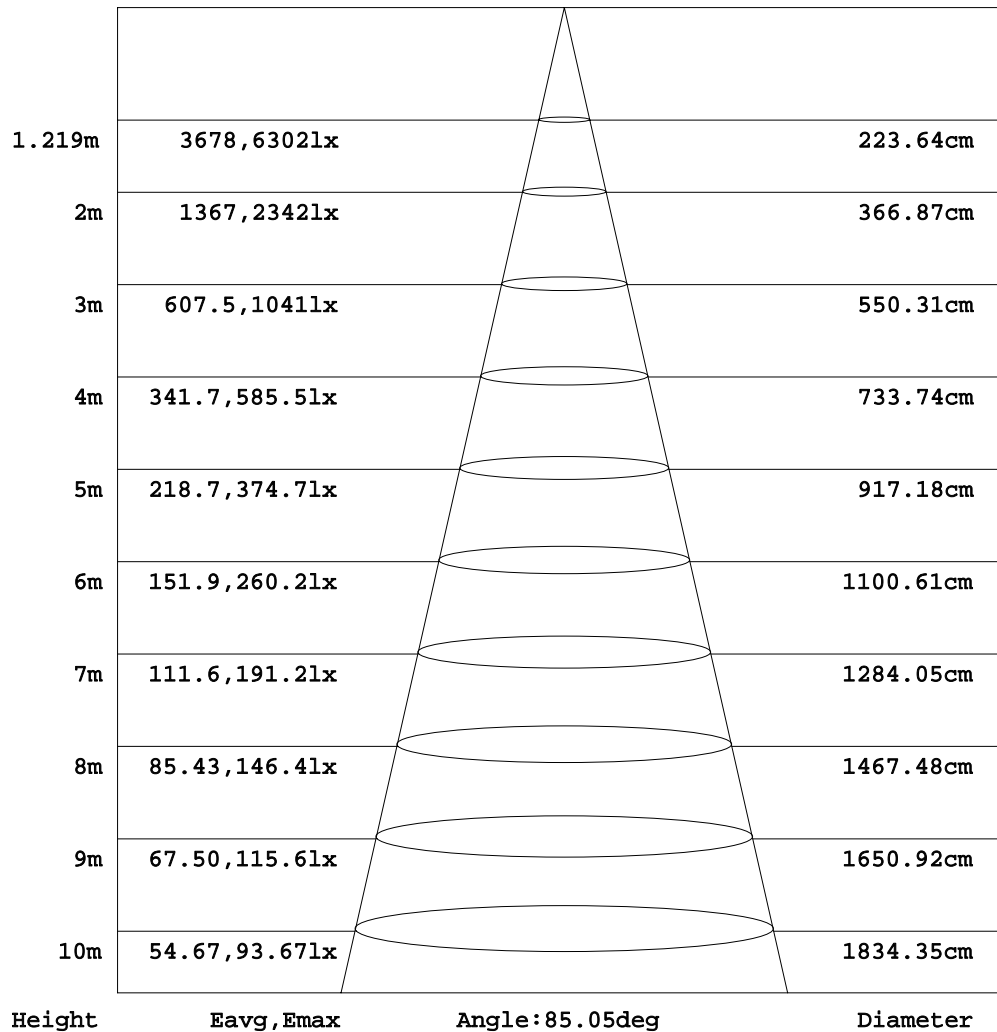
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-10-24

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:

AAI Figure

Test:U:219.2V I:0.5595A P:120.1W PF:0.9794 Freq:50.01Hz Lamp Flux:20891.4x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-120WHBE-NV-L2-00-5080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: Φ 263mm	Shielding Angle:

Flux out:14936 lm



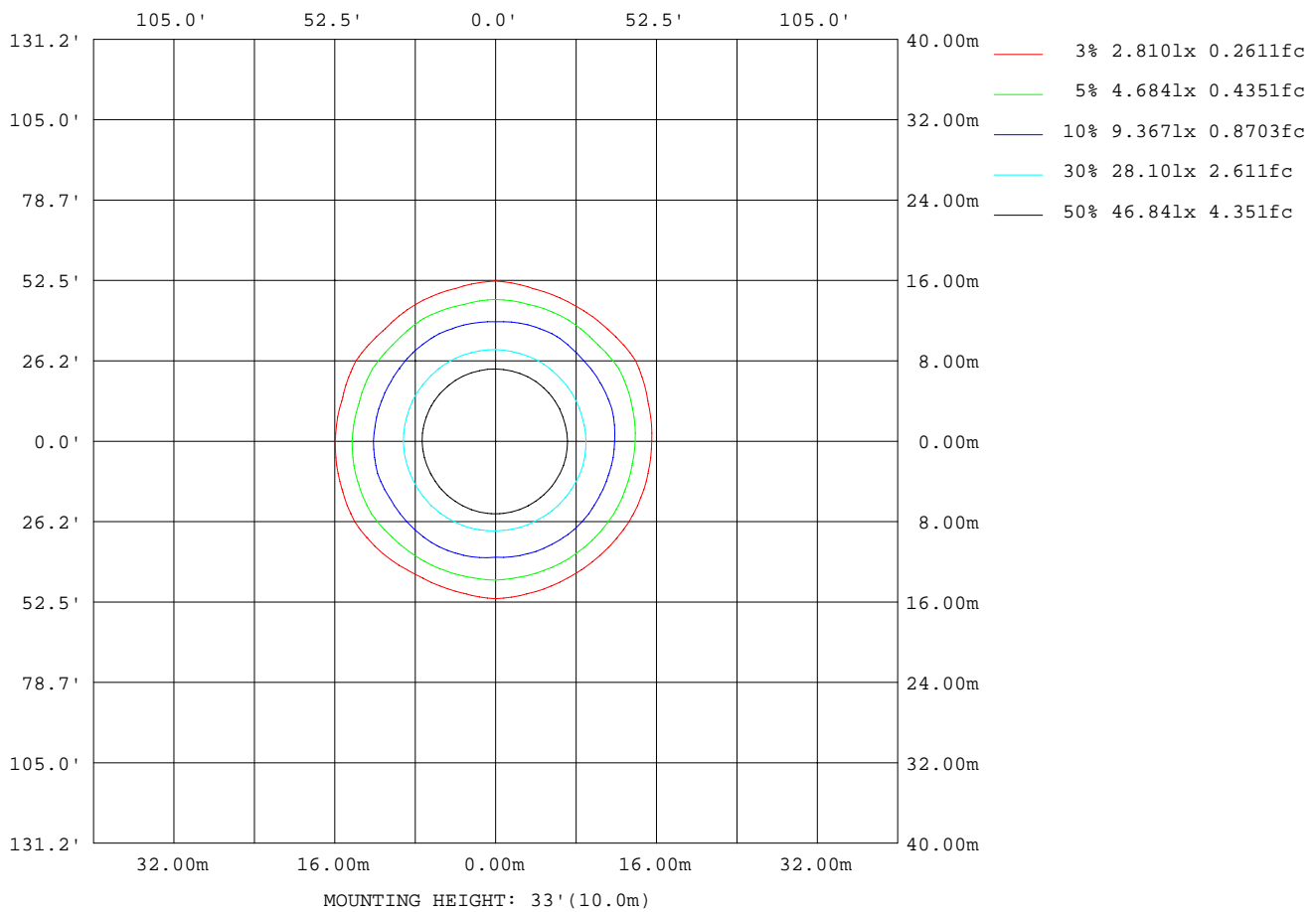
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:

ISOLUX DIAGRAM

Test:U:219.2V I:0.5595A P:120.1W PF:0.9794 Freq:50.01Hz Lamp Flux:20891.4x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-120WHBE-NV-L2-00-5080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: Φ 263mm	Shielding Angle:



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:

LED Avg.L Report

Test:U:219.2V I:0.5595A P:120.1W PF:0.9794 Freq:50.01Hz Lamp Flux:20891.4x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-120WHBE-NV-L2-00-5080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: Φ 263mm	Shielding Angle:

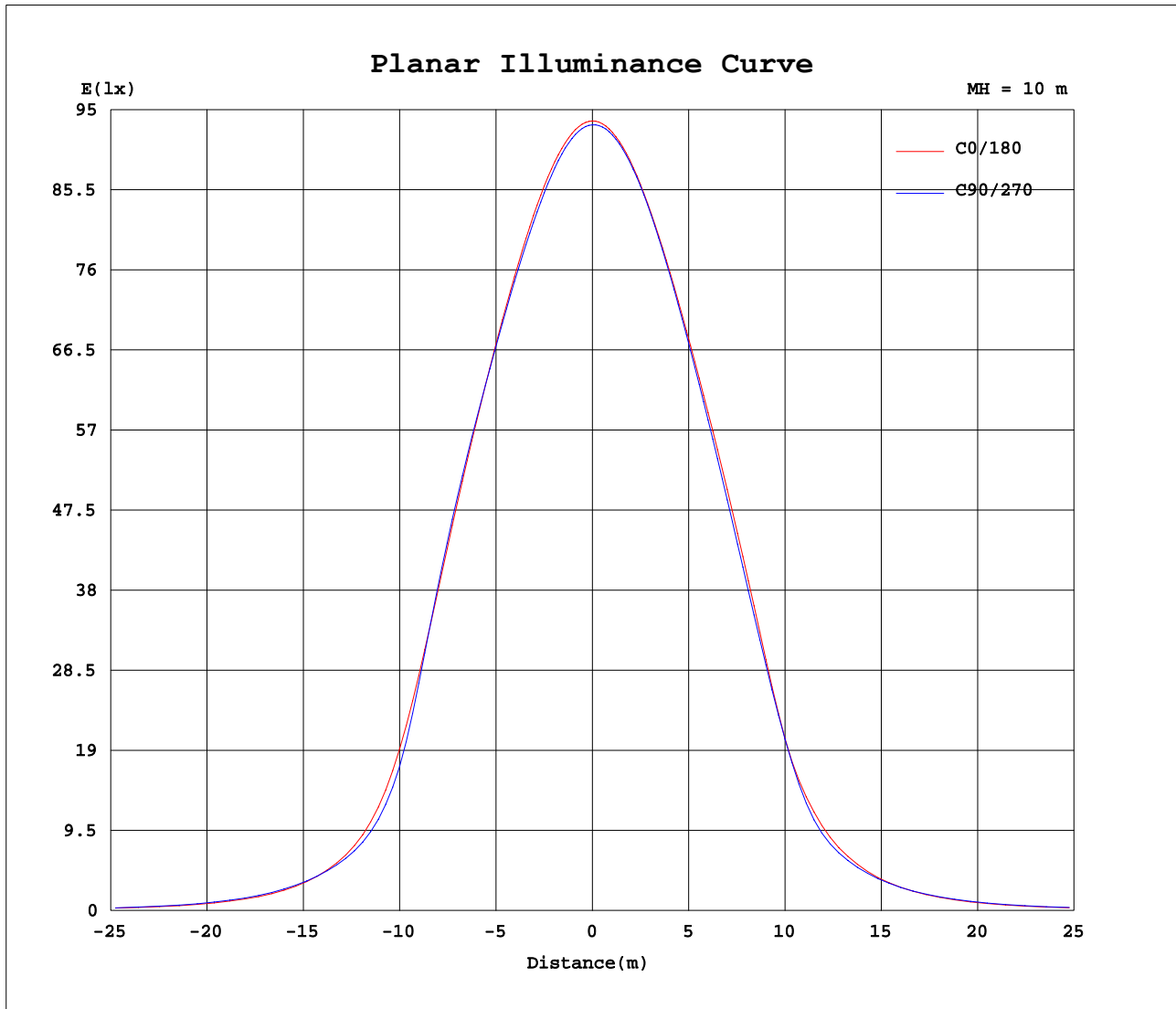
AvgL	cd/m2
L_0~180 (65) av	36225
L_0~180 (75) av	17624
L_0~180 (85) av	3210
L_90~270 (65) av	39813
L_90~270 (75) av	19498
L_90~270 (85) av	3035
L_45 (65) av	39703
L_45 (75) av	16024
L_45 (85) av	3468

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

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:

Planar Illuminance Curve



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:219.2V I:0.5595A P:120.1W PF:0.9794 Freq:50.01Hz Lamp Flux:20891.4x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-120WHBE-NV-L2-00-5080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: Φ 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	9329	9329	9329	9329	9329	9329	9329	9329	9329	9329	9329	9329	9329	9329	9329	9329	9329	9329	9329
5	9333	9329	9325	9321	9320	9321	9321	9322	9324	9327	9330	9334	9340	9343	9347	9351	9353	9355	9353
10	9349	9339	9332	9325	9321	9320	9323	9325	9328	9336	9344	9353	9367	9375	9380	9387	9389	9390	9387
15	9379	9363	9352	9339	9336	9331	9333	9337	9345	9354	9370	9382	9401	9413	9422	9428	9433	9434	9429
20	9395	9385	9376	9366	9363	9359	9360	9364	9370	9380	9392	9409	9437	9450	9457	9459	9458	9457	9454
25	9377	9372	9368	9364	9364	9369	9370	9368	9370	9375	9389	9411	9446	9456	9464	9463	9456	9440	9434
30	9236	9245	9249	9275	9287	9304	9303	9306	9288	9293	9301	9332	9373	9378	9379	9356	9342	9309	9301
35	8764	8805	8805	8844	8862	8930	8935	8945	8911	8932	8926	8988	9047	9048	9045	8990	8964	8889	8872
40	7538	7626	7525	7530	7471	7592	7592	7721	7717	7822	7818	7928	8008	8001	8040	7964	7964	7849	7807
45	5403	5382	5077	5081	4944	4912	4839	5184	5363	5526	5466	5665	5748	5698	5804	5780	5879	5765	5754
50	3375	3256	3230	3320	3249	3194	3064	3351	3527	3537	3520	3834	3783	3655	3590	3678	3721	3573	3461
55	2151	2097	2121	2086	2086	2073	2167	2102	2168	2277	2506	2476	2447	2326	2424	2263	2375	2240	2348
60	1325	1374	1341	1311	1258	1391	1439	1336	1263	1543	1644	1556	1518	1497	1581	1435	1419	1467	1561
65	778	855	802	816	727	879	868	832	713	979	1009	961	886	953	947	903	816	917	960
70	445	494	458	477	406	510	495	494	400	570	586	570	501	564	547	540	474	550	567
75	229	250	221	190	198	259	249	256	202	246	287	301	266	293	283	251	250	290	299
80	91.7	92.6	64.1	79.3	65.3	101	100.0	94.4	71.7	90.6	91.1	118	118	122	93.0	92.6	89.4	114	128
85	10.0	9.34	9.83	11.3	9.78	9.46	11.6	11.2	14.1	17.8	16.3	16.8	20.4	17.8	18.6	21.3	21.7	16.9	17.1
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:219.2V I:0.5595A P:120.1W PF:0.9794 Freq:50.01Hz Lamp Flux:20891.4x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-120WHBE-NV-L2-00-5080-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: Φ 263mm	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	9329	9329	9329	9329	9329														
5	9352	9349	9346	9342	9338														
10	9384	9379	9373	9364	9358														
15	9421	9415	9408	9397	9388														
20	9448	9440	9429	9416	9404														
25	9426	9424	9412	9391	9375														
30	9282	9290	9270	9262	9236														
35	8827	8841	8801	8795	8753														
40	7695	7700	7589	7564	7501														
45	5607	5624	5414	5359	5317														
50	3638	3736	3482	3514	3625														
55	2255	2306	2251	2449	2282														
60	1382	1355	1506	1608	1403														
65	849	761	948	970	847														
70	515	435	547	550	495														
75	272	223	214	266	252														
80	109	82.3	84.2	84.7	94.6														
85	15.9	16.9	15.2	13.2	9.41														
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: