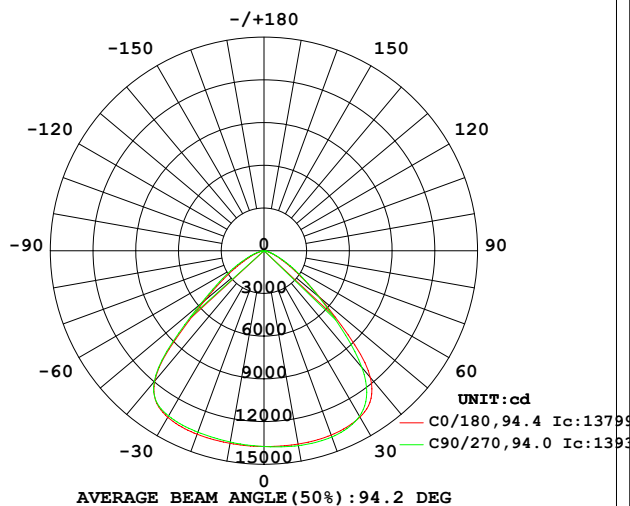


LUMINAIRE PHOTOMETRIC TEST REPORT

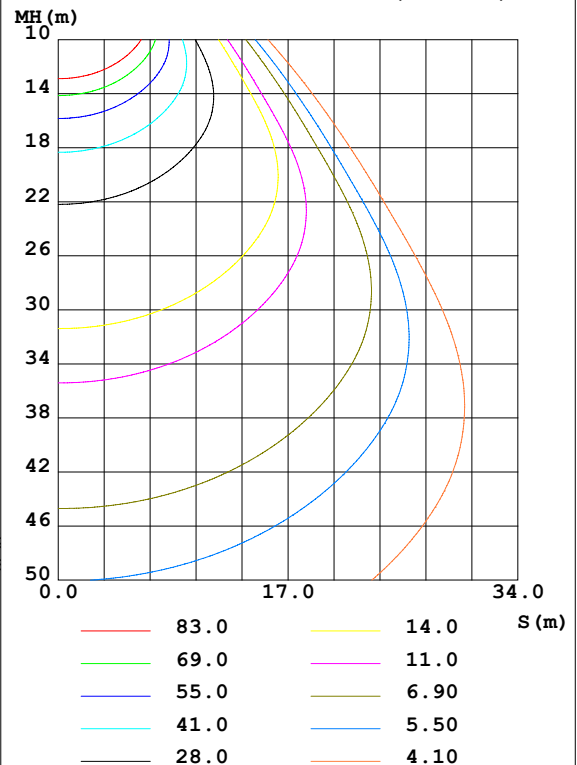
Test:U:219.2V I:0.6983A P:150.8W PF:0.9852 Freq:50.00Hz Lamp Flux:30926.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-A2-00-5070-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: Φ 263mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 205.08 lm/W			
MODEL	2835	I _{max} (cd)	13938	S/MH (C0/180)	1.38
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.39
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	30927	η UP,DN (C0-180)	0.0,49.0
NOMINAL FLUX (lm)	30926.5	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,51.0
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:2024-8-24

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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1379	1387	1390	1384	1374	1366	1364	1369	0- 10	1313	1313	4.25,4.25
20	1378	1389	1392	1387	1371	1357	1356	1365	10- 20	3901	5214	16.9,16.9
30	1348	1350	1342	1354	1351	1343	1340	1345	20- 30	6314	11528	37.3,37.3
40	1162	1115	1069	1129	1192	1212	1199	1193	30- 40	8027	19555	63.2,63.2
50	514.1	493.7	499.8	507.4	545.4	554.9	581.3	549.2	40- 50	6468	26023	84.1,84.1
60	193.4	192.3	214.1	211.2	214.7	222.5	251.1	221.6	50- 60	3122	29144	94.2,94.2
70	63.30	66.27	71.20	74.88	70.95	81.29	88.83	77.79	60- 70	1331	30476	98.5,98.5
80	12.97	11.09	13.14	12.89	15.98	15.39	18.97	13.81	70- 80	411.1	30887	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	39.86	30927	100,100
100	0	0	0	0	0	0	0	0	90-100	0	30927	100,100
110	0	0	0	0	0	0	0	0	100-110	0	30927	100,100
120	0	0	0	0	0	0	0	0	110-120	0	30927	100,100
130	0	0	0	0	0	0	0	0	120-130	0	30927	100,100
140	0	0	0	0	0	0	0	0	130-140	0	30927	100,100
150	0	0	0	0	0	0	0	0	140-150	0	30927	100,100
160	0	0	0	0	0	0	0	0	150-160	0	30927	100,100
170	0	0	0	0	0	0	0	0	160-170	0	30927	100,100
180	0	0	0	0	0	0	0	0	170-180	0	30927	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 23310 lm

%lum = 75.4%

%lamp = 75.4%

Conical surface Flux(120deg): 29144 lm

%lum = 94.2%

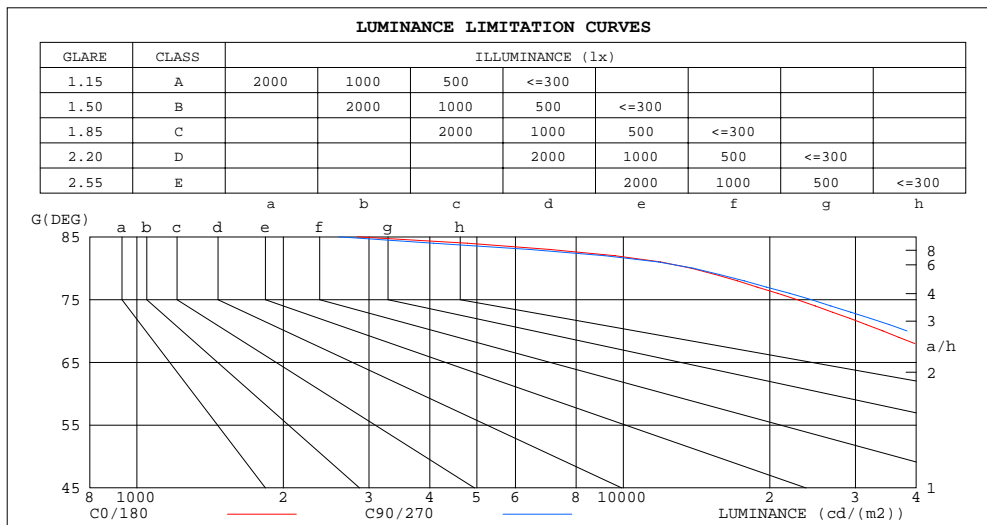
%lamp = 94.2%

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

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:

LUMINANCE LIMITATION CURVES

Test:U:219.2V I:0.6983A P:150.8W PF:0.9852 Freq:50.00Hz Lamp Flux:30926.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-A2-00-5070-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: Φ 263mm	Shielding Angle:



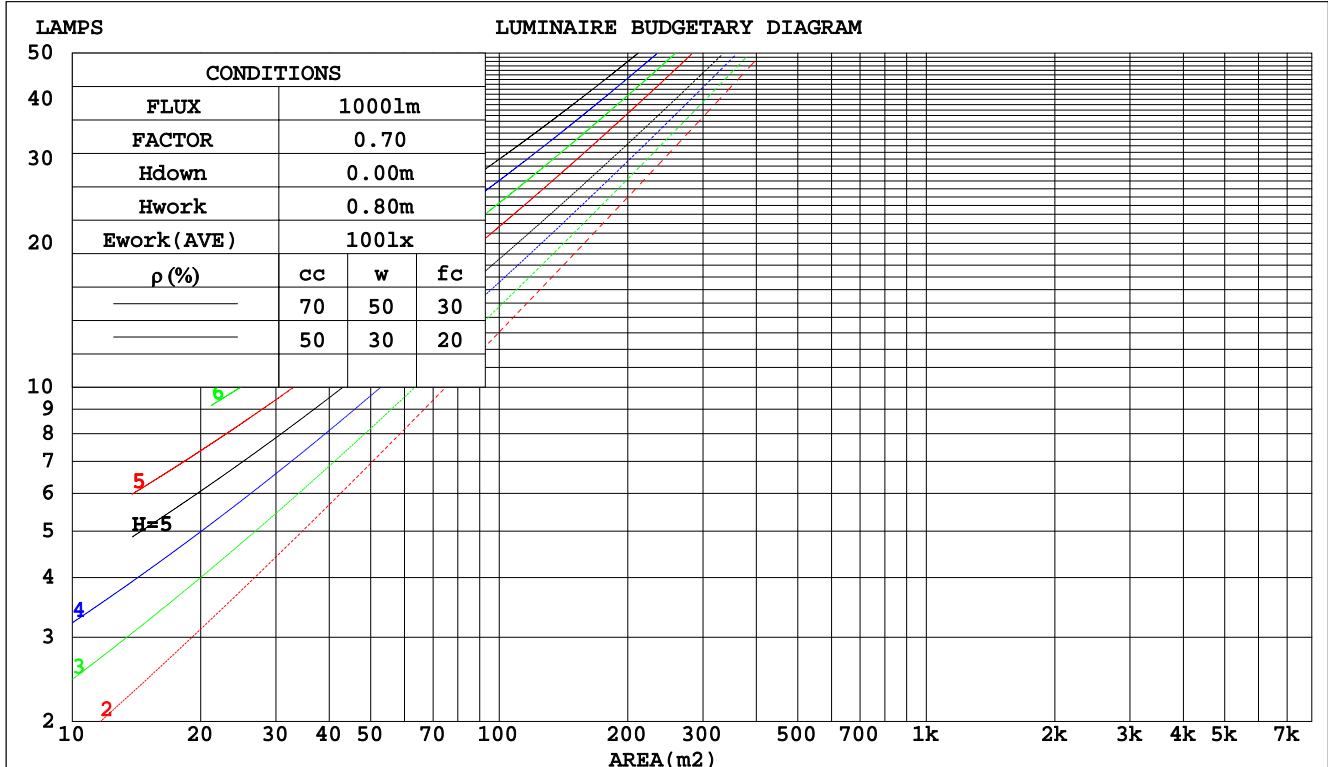
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-8-24

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:219.2V I:0.6983A P:150.8W PF:0.9852 Freq:50.00Hz Lamp Flux:30926.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-A2-00-5070-90D-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	.75	.86	.80	.75	.83	.78	.73	.80	.76	.72	.78	.74	.71	.69
4.0	.79	.72	.66	.78	.71	.65	.75	.69	.65	.73	.68	.64	.71	.67	.63	.61
5.0	.72	.64	.58	.70	.63	.58	.68	.62	.57	.67	.61	.57	.65	.60	.56	.54
6.0	.65	.57	.52	.64	.57	.51	.63	.56	.51	.61	.55	.51	.59	.54	.50	.48
7.0	.59	.52	.46	.59	.51	.46	.57	.51	.46	.56	.50	.45	.55	.49	.45	.43
8.0	.55	.47	.42	.54	.47	.42	.53	.46	.41	.52	.45	.41	.50	.45	.41	.39
9.0	.50	.43	.38	.50	.43	.38	.49	.42	.37	.48	.42	.37	.47	.41	.37	.35
10.0	.47	.39	.34	.46	.39	.34	.45	.39	.34	.44	.38	.34	.43	.38	.34	.32



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:

WEC AND CCEC

Test:U:219.2V I:0.6983A P:150.8W PF:0.9852 Freq:50.00Hz Lamp Flux:30926.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-A2-00-5070-90D-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	.234	.133	.042	.227	.129	.041	.214	.123	.039	.202	.117	.037	.191	.111	.036		
2.0	.229	.125	.038	.223	.123	.038	.212	.118	.037	.201	.113	.035	.192	.109	.034		
3.0	.219	.116	.035	.214	.114	.034	.204	.110	.034	.195	.107	.033	.187	.103	.032		
4.0	.208	.108	.032	.203	.106	.031	.194	.103	.031	.187	.100	.030	.179	.097	.030		
5.0	.196	.100	.029	.192	.099	.029	.185	.096	.028	.178	.094	.028	.171	.091	.027		
6.0	.186	.093	.027	.182	.092	.026	.175	.090	.026	.169	.088	.026	.163	.086	.026		
7.0	.176	.087	.025	.173	.086	.025	.167	.084	.024	.161	.082	.024	.156	.081	.024		
8.0	.167	.081	.023	.164	.081	.023	.158	.079	.023	.153	.078	.022	.148	.076	.022		
9.0	.158	.076	.021	.155	.076	.021	.150	.074	.021	.146	.073	.021	.141	.072	.021		
10.0	.150	.072	.020	.148	.071	.020	.143	.070	.020	.139	.069	.020	.135	.068	.020		

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	.155	.114	.082	.133	.098	.071	.091	.068	.050	.053	.040	.029	.017	.013	.010	
4.0	.147	.100	.065	.126	.086	.056	.087	.060	.039	.050	.035	.023	.016	.011	.008	
5.0	.139	.089	.052	.120	.077	.045	.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	.011	.014	.008	.004	
9.0	.116	.063	.027	.100	.055	.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:2024-8-24

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:

UGR(Unified Glare Rating) Table

Test:U:219.2V I:0.6983A P:150.8W PF:0.9852 Freq:50.00Hz Lamp Flux:30926.5x1 lm										
NAME: AOK HBE					TYPE:			WEIGHT:		
SPEC.:AOK-150WHBE-NV-A2-00-5070-90D-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	28.6	29.9	28.9	30.1	30.3	28.5	29.8	28.8	30.0	30.2
3H	28.7	29.9	29.0	30.1	30.3	28.6	29.8	28.9	30.1	30.3
4H	28.6	29.8	28.9	30.0	30.2	28.6	29.7	28.9	30.0	30.2
6H	28.6	29.6	28.9	29.9	30.1	28.6	29.6	28.9	29.9	30.1
8H	28.5	29.5	28.9	29.8	30.1	28.5	29.5	28.8	29.8	30.1
12H	28.5	29.4	28.8	29.7	30.0	28.5	29.4	28.8	29.7	30.0
4H 2H	28.6	29.7	28.9	29.9	30.2	28.5	29.6	28.8	29.9	30.1
3H	28.7	29.7	29.1	30.0	30.2	28.7	29.6	29.0	29.9	30.2
4H	28.7	29.6	29.1	29.9	30.2	28.7	29.5	29.0	29.9	30.2
6H	28.7	29.4	29.1	29.8	30.1	28.6	29.4	29.0	29.7	30.1
8H	28.6	29.3	29.0	29.7	30.1	28.6	29.3	29.0	29.7	30.0
12H	28.6	29.2	29.0	29.6	30.0	28.5	29.2	29.0	29.6	30.0
8H 4H	28.6	29.3	29.0	29.7	30.1	28.6	29.3	29.0	29.7	30.0
6H	28.6	29.2	29.0	29.6	30.0	28.6	29.1	29.0	29.5	29.9
8H	28.6	29.1	29.0	29.5	29.9	28.5	29.0	29.0	29.4	29.9
12H	28.5	28.9	29.0	29.4	29.9	28.5	28.9	28.9	29.3	29.8
12H 4H	28.6	29.2	29.0	29.6	30.0	28.5	29.2	29.0	29.6	30.0
6H	28.5	29.1	29.0	29.5	29.9	28.5	29.0	29.0	29.4	29.9
8H	28.5	28.9	29.0	29.4	29.9	28.5	28.9	28.9	29.4	29.8
Variations with the observer position at spacings:										
S = 1.0H	+ 1.6 / - 2.5					+ 1.5 / - 2.2				
1.5H	+ 1.5 / - 2.0					+ 1.4 / - 1.7				
2.0H	+ 3.5 / - 2.9					+ 3.0 / - 3.3				

CIE Pub.117, 30927 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 11.9$)

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:

UTILIZATION FACTORS TABLE

Test:U:219.2V I:0.6983A P:150.8W PF:0.9852 Freq:50.00Hz Lamp Flux:30926.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-A2-00-5070-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: ϕ 263mm	Shielding Angle:

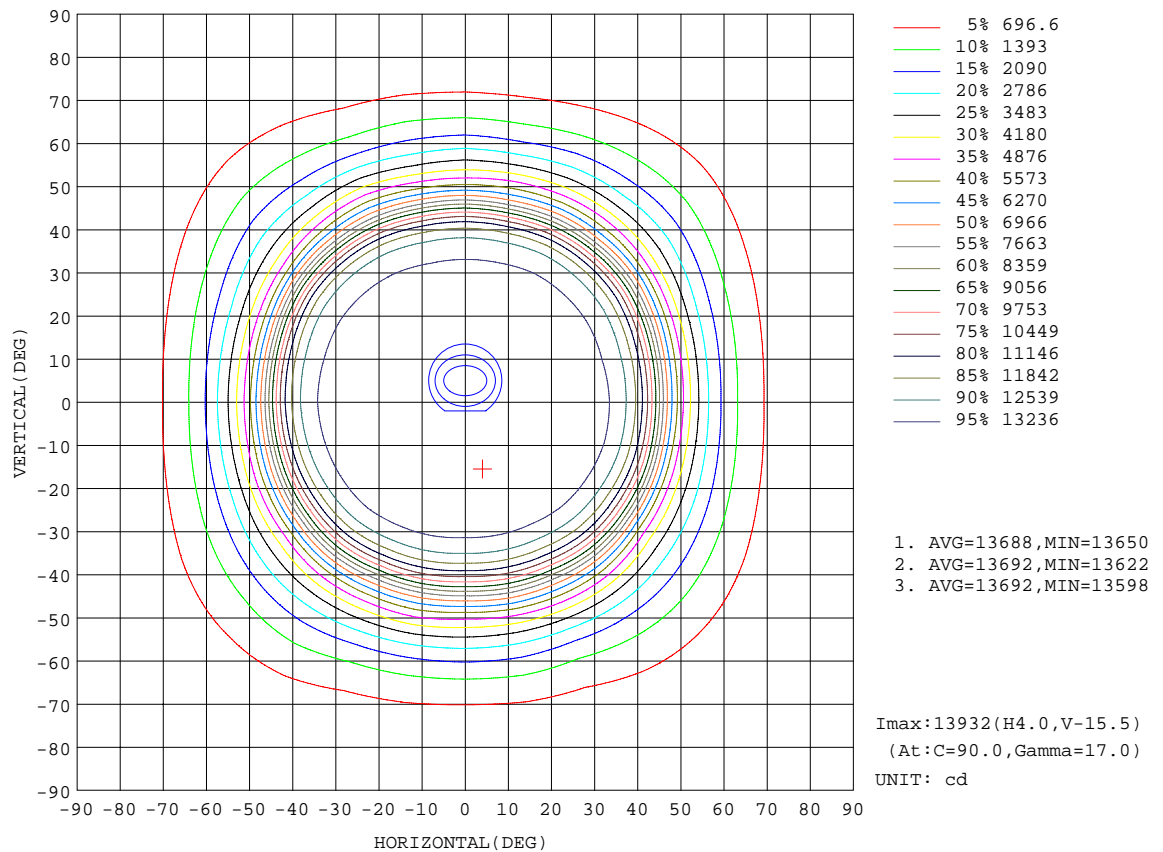
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	68	58	53	67	58	52	66	58	52	47
0.80	78	69	63	77	68	63	76	68	62	57
1.00	86	78	72	85	77	72	83	78	71	65
1.25	93	85	79	91	84	79	89	83	78	72
1.50	97	89	84	95	89	84	93	87	83	77
2.00	102	96	91	100	95	90	97	93	89	82
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:2024-8-24

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:0.6983A P:150.8W PF:0.9852 Freq:50.00Hz Lamp Flux:30926.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-A2-00-5070-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: ϕ 263mm	Shielding Angle:

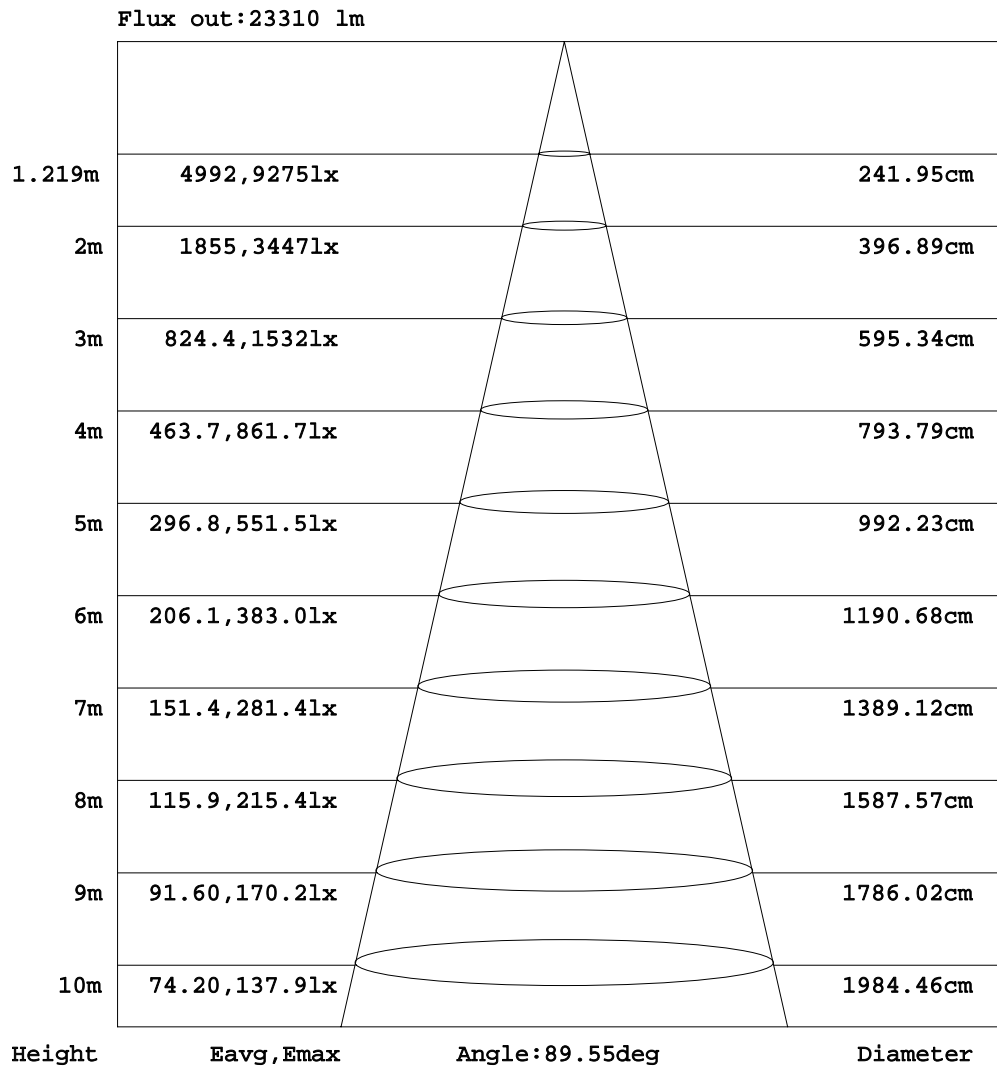


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-8-24

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:

AAI Figure

Test:U:219.2V I:0.6983A P:150.8W PF:0.9852 Freq:50.00Hz Lamp Flux:30926.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-A2-00-5070-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: Φ 263mm	Shielding Angle:



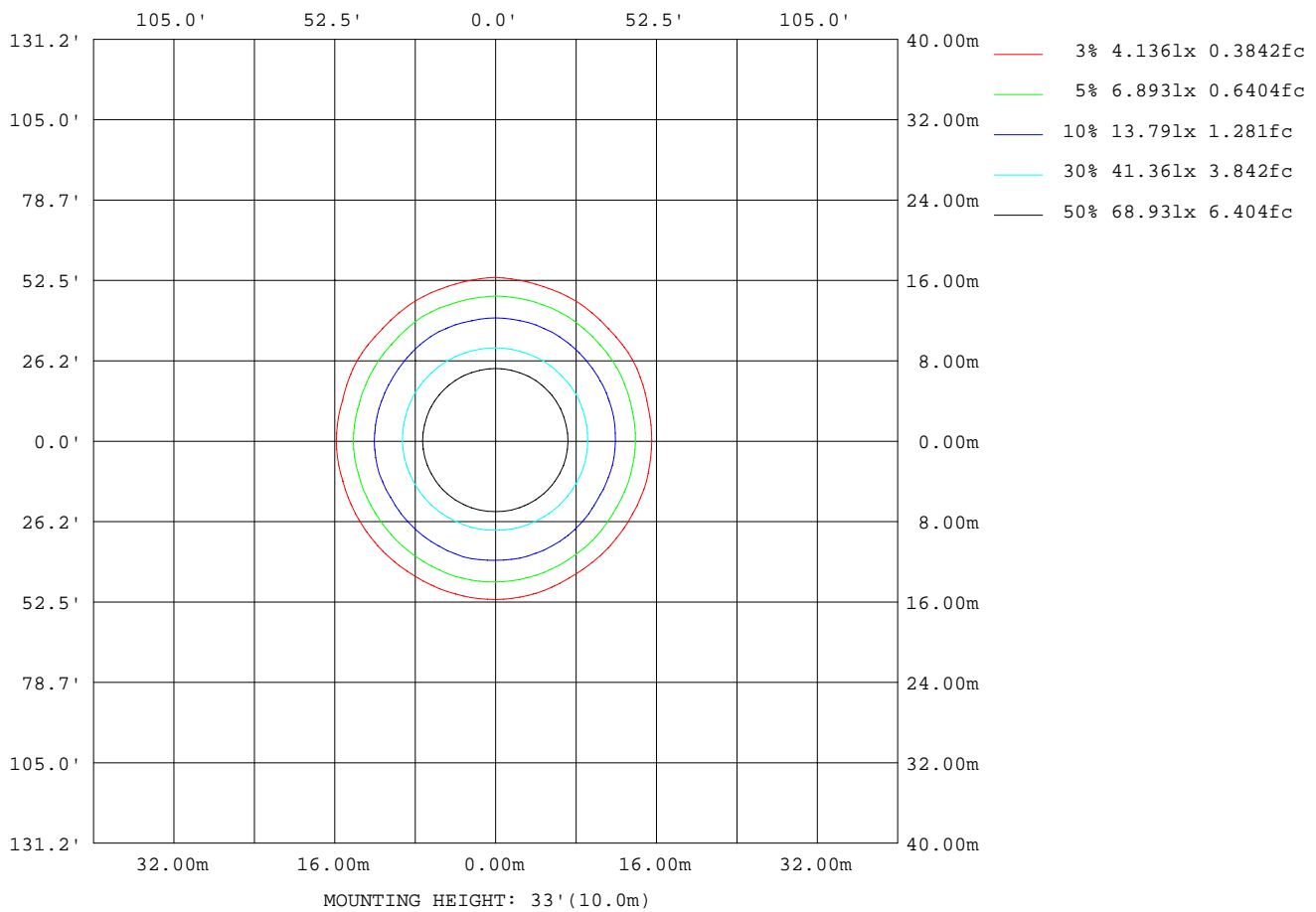
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:0.6983A P:150.8W PF:0.9852 Freq:50.00Hz Lamp Flux:30926.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-A2-00-5070-90D-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:2024-8-24

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:

LED Avg.L Report

Test:U:219.2V I:0.6983A P:150.8W PF:0.9852 Freq:50.00Hz Lamp Flux:30926.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-A2-00-5070-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: Φ 263mm	Shielding Angle:

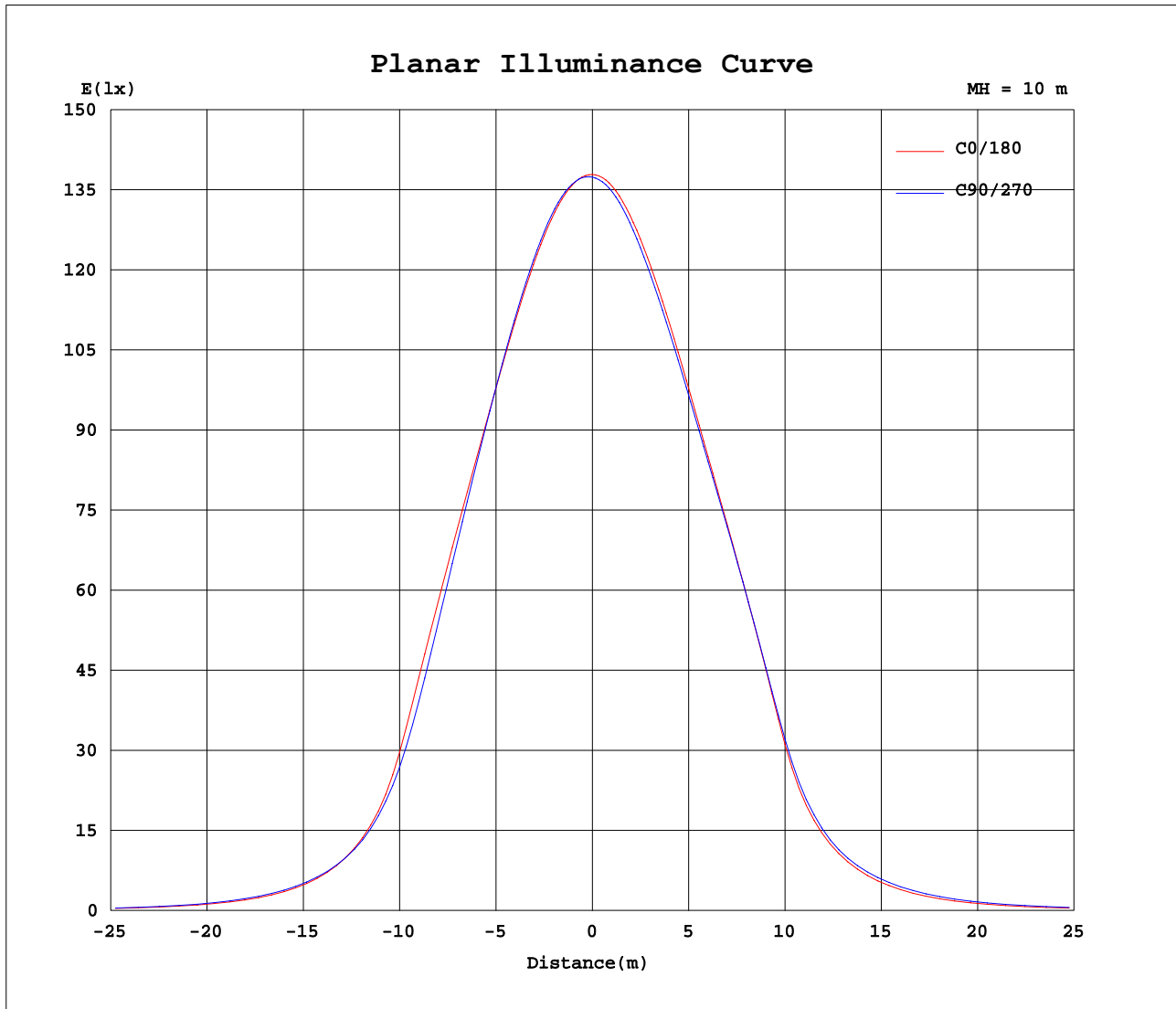
AvgL	cd/m2
L_0~180 (65) av	52088
L_0~180 (75) av	24369
L_0~180 (85) av	3965
L_90~270 (65) av	61498
L_90~270 (75) av	28161
L_90~270 (85) av	4661
L_45 (65) av	56627
L_45 (75) av	25133
L_45 (85) av	4466

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

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: 2024-8-24

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:0.6983A P:150.8W PF:0.9852 Freq:50.00Hz Lamp Flux:30926.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-A2-00-5070-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: ϕ 263mm	Shielding Angle:

Table--1

UNIT: $\times 10\text{cd}$

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1375	1375	1375	1375	1375	1375	1375	1375	1375	1375	1375	1375	1375	1375	1375	1375	1375	1375	1375
5	1377	1378	1380	1381	1382	1382	1382	1382	1381	1379	1378	1376	1374	1373	1371	1370	1369	1369	1369
10	1379	1382	1385	1387	1389	1390	1390	1389	1387	1384	1381	1377	1374	1370	1367	1366	1364	1364	1364
15	1380	1384	1388	1391	1392	1394	1394	1393	1391	1388	1384	1378	1373	1368	1364	1361	1359	1359	1359
20	1378	1382	1386	1389	1390	1392	1392	1392	1390	1387	1383	1378	1371	1366	1361	1357	1355	1355	1356
25	1369	1374	1376	1378	1378	1379	1378	1379	1378	1379	1377	1372	1366	1361	1357	1354	1352	1351	1352
30	1348	1352	1350	1350	1345	1344	1342	1346	1349	1354	1355	1354	1351	1347	1345	1343	1341	1340	1340
35	1298	1298	1287	1279	1265	1261	1256	1265	1274	1291	1299	1308	1311	1312	1315	1314	1312	1308	1308
40	1162	1155	1129	1115	1086	1080	1069	1085	1096	1129	1146	1174	1192	1201	1216	1212	1210	1198	1199
45	836	825	786	783	765	774	760	771	769	796	808	850	877	886	910	900	912	902	908
50	514	494	469	494	501	507	500	520	507	507	501	533	545	536	535	555	585	576	581
55	319	313	304	310	314	327	333	337	330	327	329	335	347	339	346	350	376	370	383
60	193	198	197	192	190	209	214	211	205	211	210	211	215	215	229	222	231	241	251
65	114	119	119	115	111	126	128	127	121	131	126	130	126	132	142	138	137	151	154
70	63.3	68.2	66.6	66.3	61.7	70.8	71.2	72.0	67.5	74.9	72.5	75.8	71.0	76.6	82.3	81.3	77.6	88.1	88.8
75	31.9	33.9	31.8	30.8	29.6	33.6	34.2	35.2	32.9	33.6	35.7	38.6	36.6	39.2	42.0	40.1	39.9	44.1	45.0
80	13.0	12.7	9.91	11.1	8.17	12.0	13.1	12.7	10.6	12.9	11.6	14.6	16.0	16.4	15.3	15.4	14.2	17.8	19.0
85	1.34	1.00	1.10	1.17	1.06	0.96	1.23	1.05	1.32	1.85	1.81	1.87	2.41	1.93	2.29	3.19	2.81	2.39	3.18
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

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:0.6983A P:150.8W PF:0.9852 Freq:50.00Hz Lamp Flux:30926.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-A2-00-5070-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: Φ 263mm	Shielding Angle:

Table--2

UNIT: $\times 10\text{cd}$

C (DEG) γ (DEG)	285	300	315	330	345														
0	1375	1375	1375	1375	1375														
5	1370	1371	1372	1374	1375														
10	1365	1367	1369	1372	1376														
15	1361	1364	1367	1371	1376														
20	1359	1361	1365	1369	1374														
25	1354	1356	1359	1363	1366														
30	1341	1344	1345	1347	1348														
35	1308	1311	1309	1308	1302														
40	1194	1199	1193	1191	1175														
45	888	891	878	885	861														
50	577	571	549	539	528														
55	376	369	350	344	325														
60	236	235	222	220	201														
65	143	141	136	133	121														
70	82.1	79.8	77.8	75.5	68.2														
75	41.7	39.8	36.8	37.7	34.1														
80	16.2	12.7	13.8	12.3	13.2														
85	2.16	2.39	2.25	1.71	1.06														
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

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: