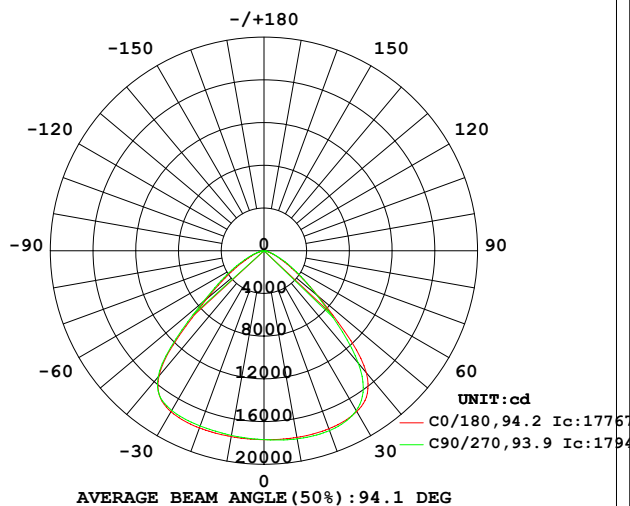


LUMINAIRE PHOTOMETRIC TEST REPORT

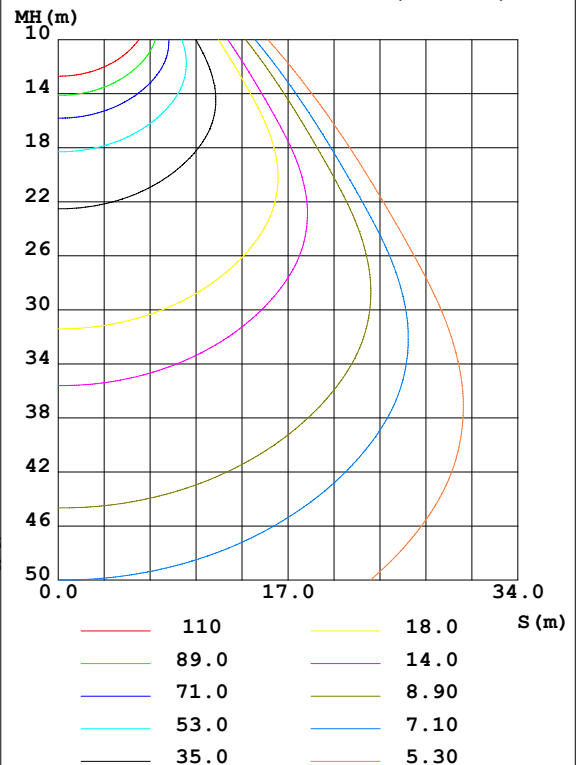
Test:U:219.2V I:0.9150A P:198.5W PF:0.9900 Freq:50.01Hz Lamp Flux:39773.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-A2-00-5070-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: Φ 263mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 200.34 lm/W			
MODEL	2835	I _{max} (cd)	17945	S/MH (C0/180)	1.38
NOMINAL POWER (W)	200	LOR (%)	100.0	S/MH (C90/270)	1.39
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	39773	η UP,DN (C0-180)	0.0,49.0
NOMINAL FLUX (lm)	39773.5	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	1775	1785	1789	1781	1767	1757	1756	1762	0- 10	1690	1690	4.25,4.25
20	1774	1788	1792	1787	1766	1748	1746	1758	10- 20	5021	6712	16.9,16.9
30	1738	1739	1729	1745	1740	1731	1726	1733	20- 30	8133	14845	37.3,37.3
40	1490	1432	1374	1449	1530	1558	1542	1533	30- 40	10334	25179	63.3,63.3
50	659.6	633.1	641.5	651.0	701.4	712.3	745.2	704.1	40- 50	8291	33469	84.1,84.1
60	249.3	247.2	274.9	273.7	277.2	286.3	322.3	284.2	50- 60	4008	37477	94.2,94.2
70	82.10	85.64	91.75	96.71	91.81	104.3	114.2	100.7	60- 70	1713	39190	98.5,98.5
80	16.85	14.48	17.12	16.77	20.85	19.97	25.14	17.94	70- 80	531.4	39722	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	51.97	39773	100,100
100	0	0	0	0	0	0	0	0	90-100	0	39773	100,100
110	0	0	0	0	0	0	0	0	100-110	0	39773	100,100
120	0	0	0	0	0	0	0	0	110-120	0	39773	100,100
130	0	0	0	0	0	0	0	0	120-130	0	39773	100,100
140	0	0	0	0	0	0	0	0	130-140	0	39773	100,100
150	0	0	0	0	0	0	0	0	140-150	0	39773	100,100
160	0	0	0	0	0	0	0	0	150-160	0	39773	100,100
170	0	0	0	0	0	0	0	0	160-170	0	39773	100,100
180	0	0	0	0	0	0	0	0	170-180	0	39773	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 29993 lm

%lum = 75.4%

%lamp = 75.4%

Conical surface Flux(120deg): 37477 lm

%lum = 94.2%

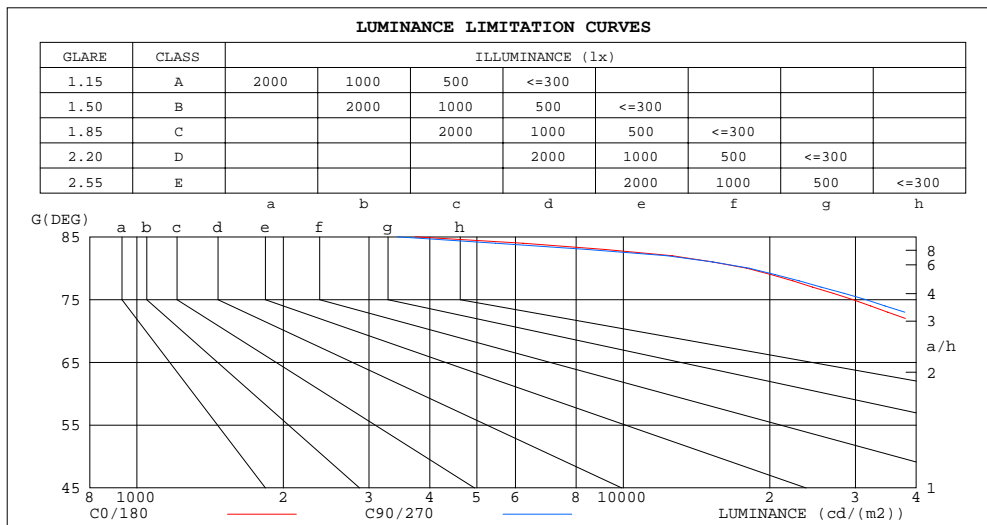
%lamp = 94.2%

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:0.9150A P:198.5W PF:0.9900 Freq:50.01Hz Lamp Flux:39773.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-A2-00-5070-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: Φ 263mm	Shielding Angle:



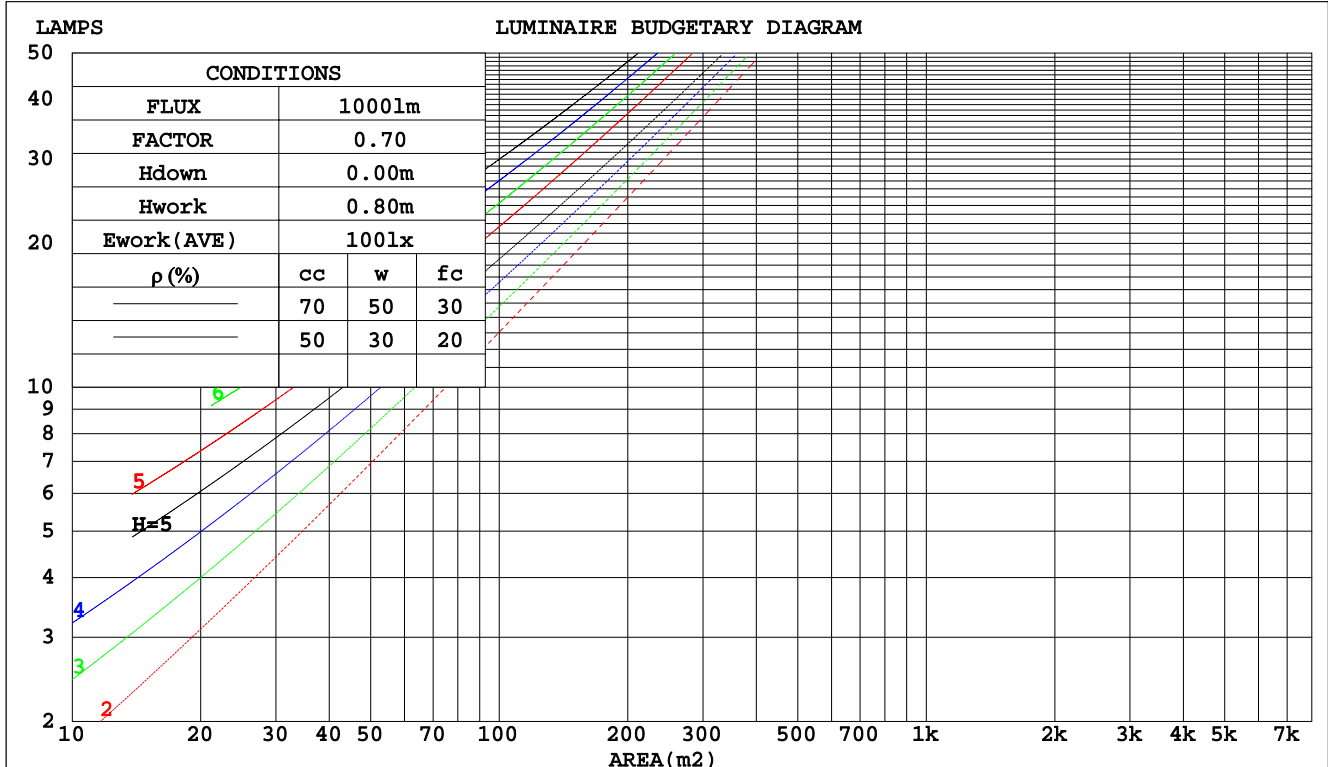
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-8-24

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:0.9150A P:198.5W PF:0.9900 Freq:50.01Hz Lamp Flux:39773.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-A2-00-5070-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: ϕ 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	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	1.08	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	.60	.52	.46	.59	.51	.46	.57	.51	.46	.56	.50	.46	.55	.49	.45	.43
8.0	.55	.47	.42	.54	.47	.42	.53	.46	.41	.52	.46	.41	.50	.45	.41	.39
9.0	.50	.43	.38	.50	.43	.38	.49	.42	.38	.48	.42	.37	.47	.41	.37	.36
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:0.9150A P:198.5W PF:0.9900 Freq:50.01Hz Lamp Flux:39773.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-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	.186	.103	.032		
4.0	.208	.108	.032	.203	.106	.031	.194	.103	.031	.186	.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	.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	.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:0.9150A P:198.5W PF:0.9900 Freq:50.01Hz Lamp Flux:39773.5x1 lm										
NAME: AOK HBE					TYPE:			WEIGHT:		
SPEC.:AOK-200WHBE-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	29.5	30.8	29.7	30.9	31.1	29.4	30.7	29.6	30.9	31.1
3H	29.5	30.7	29.8	30.9	31.2	29.5	30.7	29.8	30.9	31.1
4H	29.5	30.6	29.8	30.9	31.1	29.5	30.6	29.8	30.8	31.1
6H	29.4	30.5	29.8	30.7	31.0	29.4	30.5	29.7	30.7	31.0
8H	29.4	30.4	29.7	30.7	31.0	29.4	30.4	29.7	30.7	30.9
12H	29.4	30.3	29.7	30.6	30.9	29.3	30.3	29.7	30.6	30.9
4H 2H	29.4	30.5	29.7	30.8	31.0	29.4	30.5	29.7	30.7	31.0
3H	29.6	30.5	29.9	30.8	31.1	29.5	30.5	29.9	30.8	31.1
4H	29.6	30.4	29.9	30.8	31.1	29.5	30.4	29.9	30.7	31.0
6H	29.5	30.3	29.9	30.6	31.0	29.5	30.3	29.9	30.6	31.0
8H	29.5	30.2	29.9	30.6	30.9	29.5	30.2	29.9	30.5	30.9
12H	29.5	30.1	29.9	30.5	30.9	29.4	30.1	29.8	30.4	30.8
8H 4H	29.5	30.2	29.9	30.6	30.9	29.5	30.2	29.9	30.5	30.9
6H	29.5	30.0	29.9	30.4	30.9	29.4	30.0	29.9	30.4	30.8
8H	29.4	29.9	29.9	30.3	30.8	29.4	29.9	29.8	30.3	30.8
12H	29.4	29.8	29.9	30.3	30.7	29.3	29.8	29.8	30.2	30.7
12H 4H	29.4	30.1	29.9	30.5	30.9	29.4	30.1	29.8	30.4	30.8
6H	29.4	29.9	29.9	30.3	30.8	29.4	29.9	29.8	30.3	30.8
8H	29.4	29.8	29.9	30.3	30.7	29.3	29.8	29.8	30.2	30.7
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 / - 3.4				

CIE Pub.117, 39773 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 12.8$)

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:0.9150A P:198.5W PF:0.9900 Freq:50.01Hz Lamp Flux:39773.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-A2-00-5070-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: ϕ 263mm	Shielding Angle:

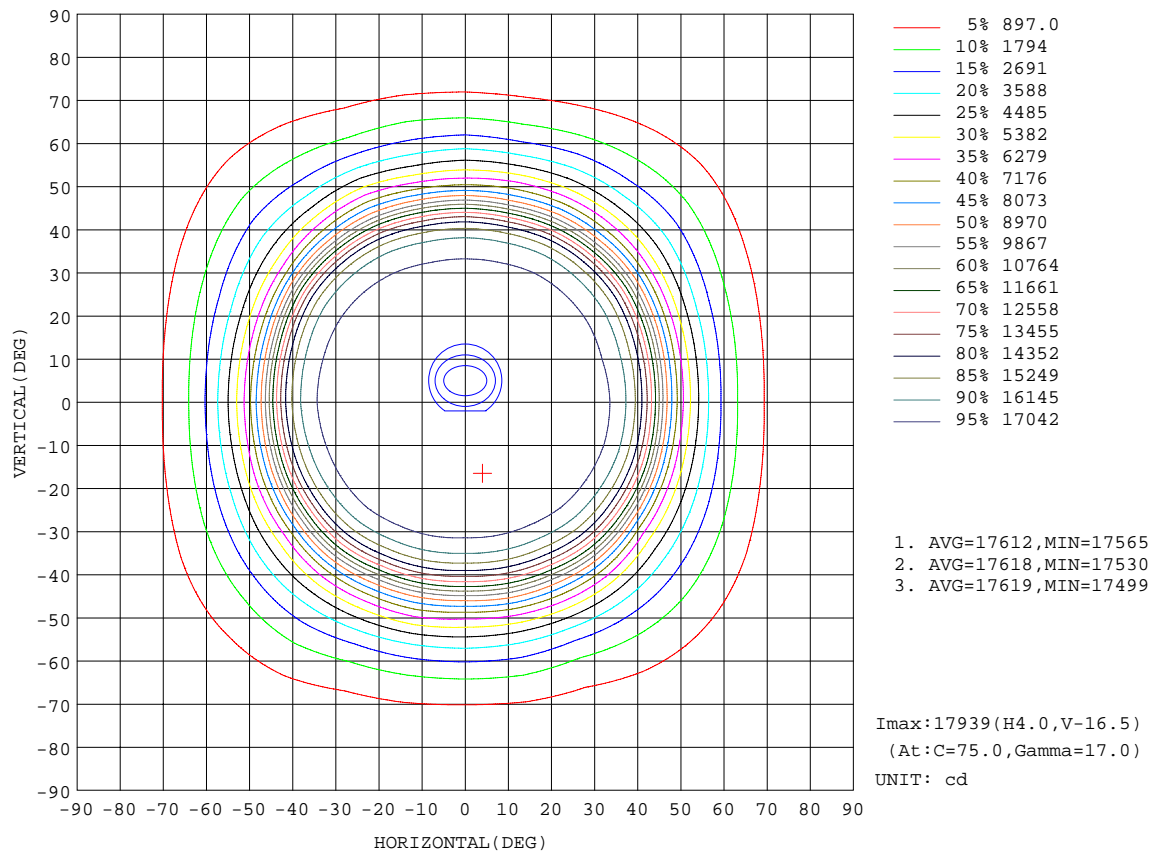
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	68	58	53	68	58	52	66	58	52	47
0.80	78	69	63	77	69	63	76	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	101	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
 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:0.9150A P:198.5W PF:0.9900 Freq:50.01Hz Lamp Flux:39773.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-A2-00-5070-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: ϕ 263mm	Shielding Angle:

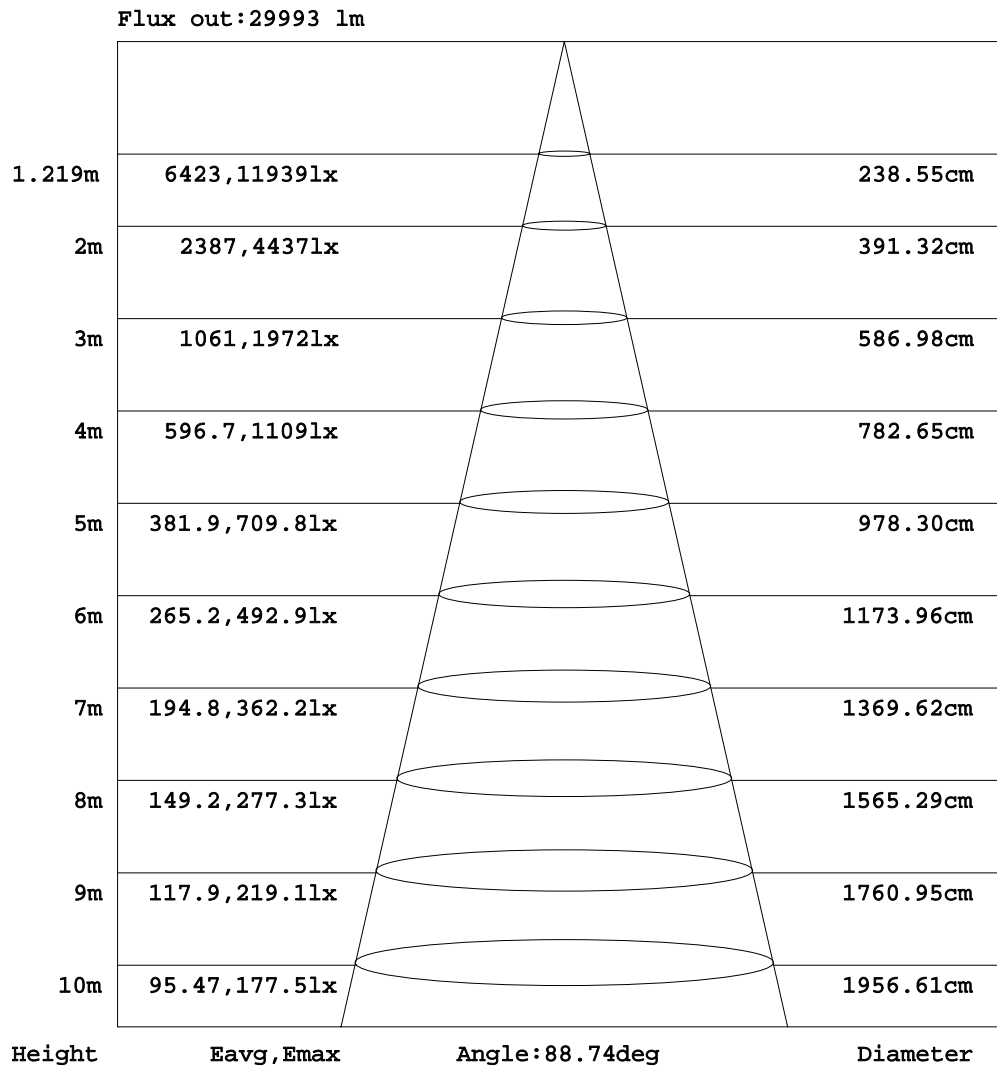


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-8-24

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:0.9150A P:198.5W PF:0.9900 Freq:50.01Hz Lamp Flux:39773.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-A2-00-5070-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: Φ 263mm	Shielding Angle:



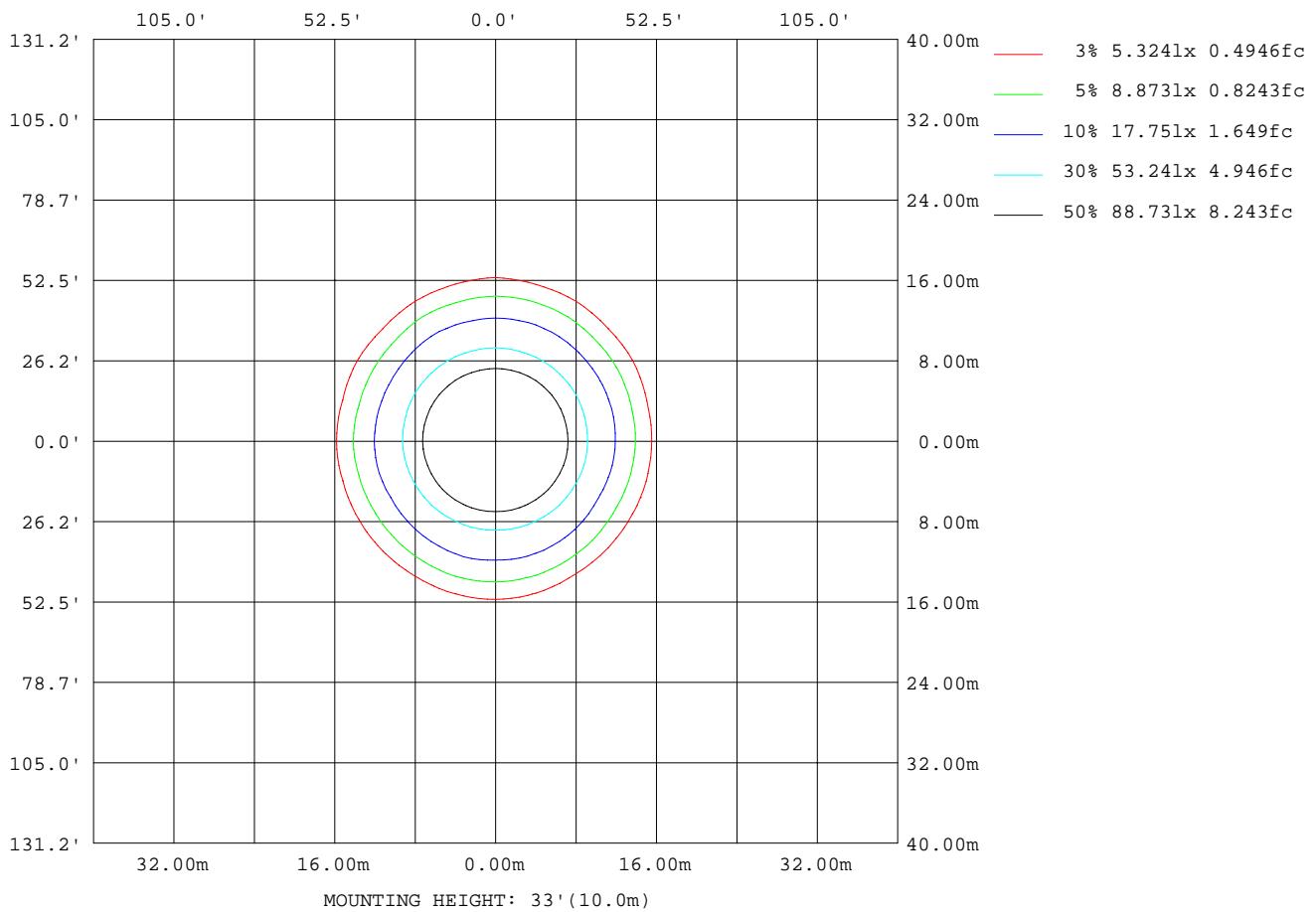
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.9150A P:198.5W PF:0.9900 Freq:50.01Hz Lamp Flux:39773.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-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:0.9150A P:198.5W PF:0.9900 Freq:50.01Hz Lamp Flux:39773.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-A2-00-5070-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: Φ 263mm	Shielding Angle:

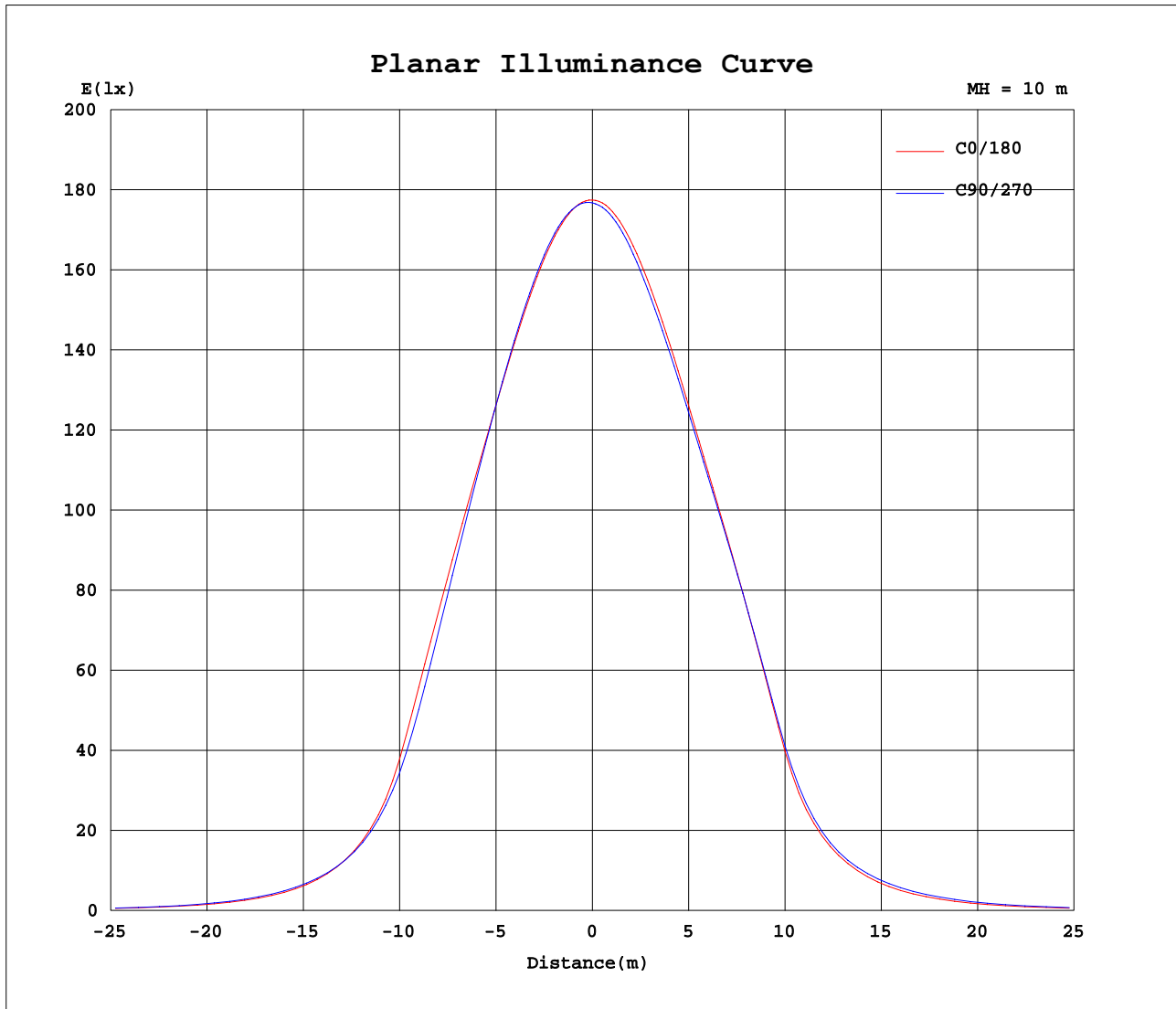
AvgL	cd/m2
L_0~180 (65) av	66929
L_0~180 (75) av	31672
L_0~180 (85) av	5229
L_90~270 (65) av	78945
L_90~270 (75) av	36414
L_90~270 (85) av	6145
L_45 (65) av	72877
L_45 (75) av	32307
L_45 (85) av	5847

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:0.9150A P:198.5W PF:0.9900 Freq:50.01Hz Lamp Flux:39773.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-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	1769	1769	1769	1769	1769	1769	1769	1769	1769	1769	1769	1769	1769	1769	1769	1769	1769	1769	1769
5	1772	1774	1776	1777	1778	1779	1779	1778	1777	1775	1773	1770	1768	1766	1764	1763	1762	1762	1762
10	1775	1779	1783	1785	1788	1789	1789	1787	1785	1781	1777	1772	1767	1763	1759	1757	1755	1755	1756
15	1777	1782	1787	1790	1792	1794	1794	1793	1790	1786	1781	1774	1767	1760	1755	1751	1749	1749	1749
20	1774	1780	1785	1788	1790	1792	1792	1792	1790	1787	1781	1774	1766	1759	1752	1748	1745	1745	1746
25	1764	1770	1773	1776	1775	1776	1775	1776	1776	1777	1773	1767	1760	1753	1747	1743	1741	1740	1741
30	1738	1742	1740	1739	1733	1731	1729	1734	1738	1745	1745	1745	1740	1736	1734	1731	1729	1726	1726
35	1672	1670	1657	1647	1629	1624	1617	1629	1640	1662	1672	1684	1689	1690	1694	1693	1690	1684	1685
40	1490	1481	1449	1432	1396	1388	1374	1394	1408	1449	1471	1507	1530	1543	1563	1558	1557	1542	1542
45	1067	1051	1004	1002	982	993	975	990	987	1020	1035	1087	1121	1132	1164	1154	1171	1158	1164
50	660	634	602	633	644	651	642	667	651	651	643	685	701	687	685	712	752	740	745
55	411	402	390	397	403	420	428	432	424	421	423	431	447	436	444	449	483	475	491
60	249	255	253	247	243	271	275	273	263	274	270	274	277	276	295	286	298	309	322
65	146	153	152	148	141	163	165	163	155	169	163	167	162	170	182	177	175	194	198
70	82.1	88.2	86.2	85.6	79.6	91.2	91.7	92.9	87.0	96.7	93.8	98.1	91.8	98.9	106	104	99.9	114	114
75	41.5	43.9	41.4	38.2	38.4	43.4	44.3	45.4	42.6	43.6	46.4	50.0	47.6	50.7	54.4	52.1	51.4	57.1	58.1
80	16.9	16.5	12.7	14.5	11.2	15.6	17.1	16.5	13.2	16.8	14.9	19.0	20.9	21.4	19.7	20.0	18.4	23.1	25.1
85	1.76	1.34	1.44	1.54	1.40	1.25	1.63	1.37	1.74	2.43	2.34	2.43	3.19	2.53	2.98	4.14	3.70	3.13	4.19
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:0.9150A P:198.5W PF:0.9900 Freq:50.01Hz Lamp Flux:39773.5x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-200WHBE-NV-A2-00-5070-90D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: Φ 263mm	Shielding Angle:

Table--2

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

γ (DEG) \ C (DEG)	285	300	315	330	345														
0	1769	1769	1769	1769	1769														
5	1763	1764	1765	1767	1769														
10	1757	1759	1762	1766	1771														
15	1752	1755	1760	1765	1771														
20	1749	1753	1758	1763	1769														
25	1744	1747	1751	1755	1760														
30	1728	1732	1733	1736	1737														
35	1685	1690	1687	1685	1677														
40	1535	1541	1533	1531	1507														
45	1139	1140	1122	1132	1101														
50	741	733	704	692	677														
55	482	474	450	442	418														
60	303	302	284	283	260														
65	183	182	175	171	155														
70	106	103	101	97.6	88.1														
75	53.9	51.3	47.8	48.7	44.1														
80	21.2	16.5	17.9	15.9	17.1														
85	2.79	3.12	2.96	2.25	1.40														
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
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks: