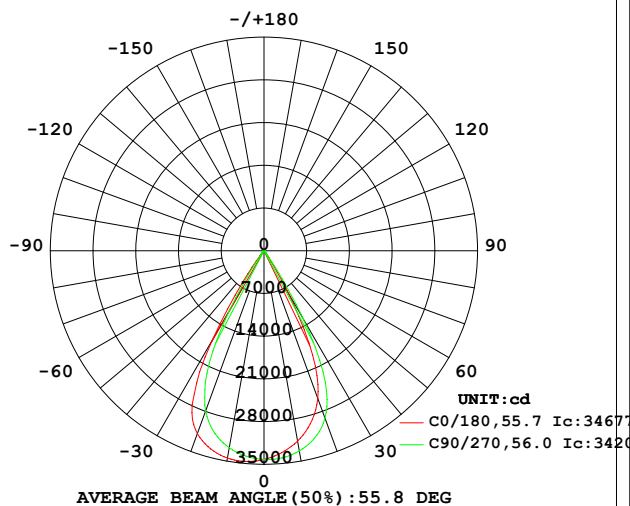


LUMINAIRE PHOTOMETRIC TEST REPORT

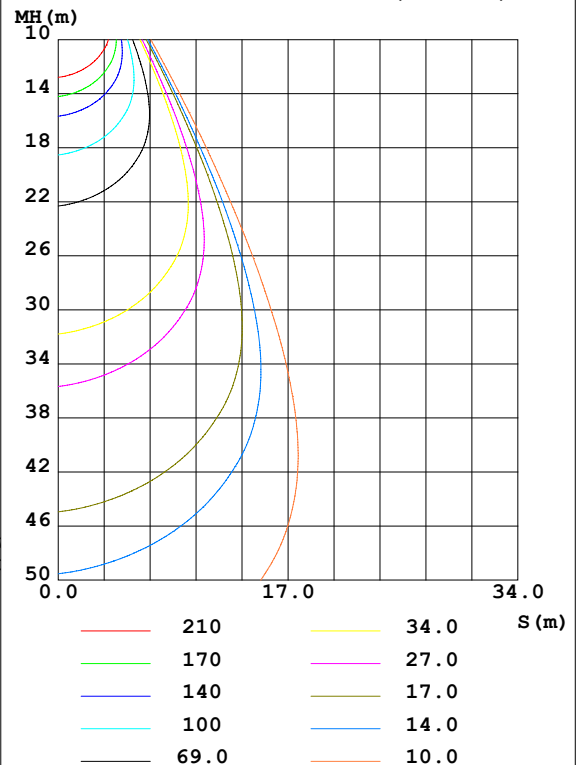
Test:U:219.2V I:0.6959A P:150.2W PF:0.9850 Freq:50.01Hz Lamp Flux:25520.1x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-L2-00-5080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: Φ 263mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 169.86 lm/W			
MODEL	2835	I _{max} (cd)	34686	S/MH (C0/180)	0.86
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	0.80
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	25520	η UP,DN (C0-180)	0.0,50.3
NOMINAL FLUX (lm)	25520.1	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,49.7
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	0.80

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	3169	3229	3332	3430	3449	3379	3277	3188	0- 10	3211	3211	12.6,12.6
20	2577	2713	2921	3137	3190	3029	2795	2606	10- 20	8800	12012	47.1,47.1
30	761.1	967.4	1284	1628	1707	1456	1148	835.3	20- 30	10030	22041	86.4,86.4
40	53.66	55.76	60.40	74.17	82.92	71.94	62.21	55.60	30- 40	2427	24468	95.9,95.9
50	36.16	36.29	37.24	38.90	39.91	38.99	38.37	36.89	40- 50	350.8	24819	97.3,97.3
60	28.14	29.08	29.43	31.45	31.23	30.80	29.75	29.37	50- 60	306.5	25125	98.5,98.5
70	17.75	18.07	18.12	19.62	19.51	19.56	18.21	17.87	60- 70	238.6	25364	99.4,99.4
80	6.114	5.985	6.781	7.385	8.309	7.030	7.117	5.587	70- 80	133.0	25497	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	23.12	25520	100,100
100	0	0	0	0	0	0	0	0	90-100	0	25520	100,100
110	0	0	0	0	0	0	0	0	100-110	0	25520	100,100
120	0	0	0	0	0	0	0	0	110-120	0	25520	100,100
130	0	0	0	0	0	0	0	0	120-130	0	25520	100,100
140	0	0	0	0	0	0	0	0	130-140	0	25520	100,100
150	0	0	0	0	0	0	0	0	140-150	0	25520	100,100
160	0	0	0	0	0	0	0	0	150-160	0	25520	100,100
170	0	0	0	0	0	0	0	0	160-170	0	25520	100,100
180	0	0	0	0	0	0	0	0	170-180	0	25520	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 24657 lm

%lum = 96.6%

%lamp = 96.6%

Conical surface Flux(120deg): 25125 lm

%lum = 98.5%

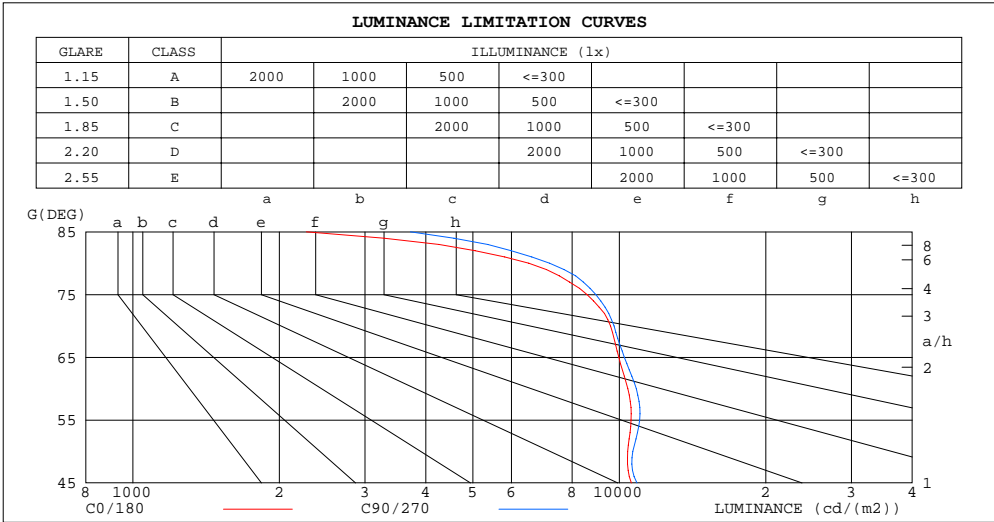
%lamp = 98.5%

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:0.6959A P:150.2W PF:0.9850 Freq:50.01Hz Lamp Flux:25520.1x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-L2-00-5080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:Φ263mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2274	3721
80	6511	7188
75	8585	8949
70	9595	9753
65	9975	10242
60	10409	10834
55	10573	11010
50	10404	10662
45	10587	10873

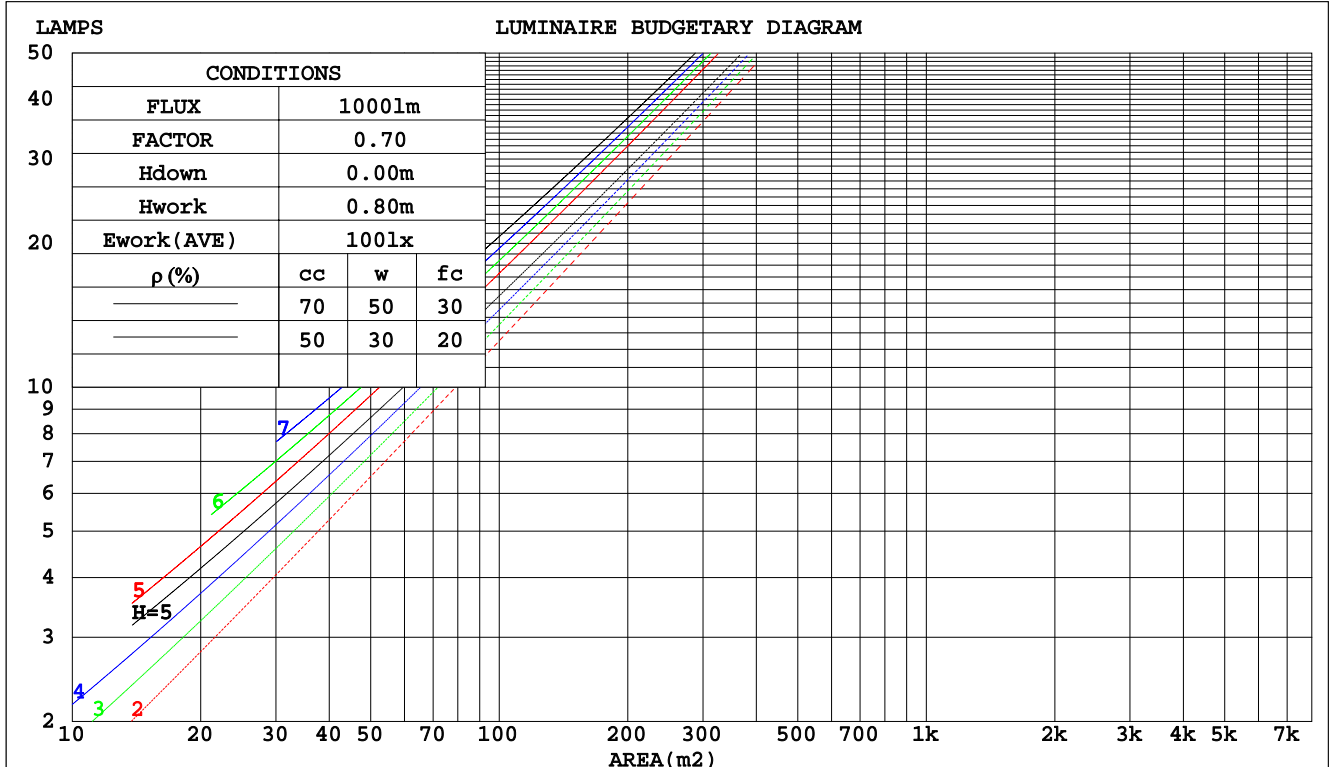
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-8-24

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:0.6959A P:150.2W PF:0.9850 Freq:50.01Hz Lamp Flux:25520.1x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-L2-00-5080-60D-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	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	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.00	.99	.98	.97	.96	.94
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.93	.92	.90	.88
3.0	.98	.93	.89	.96	.92	.89	.94	.90	.87	.91	.88	.86	.89	.87	.85	.83
4.0	.92	.87	.83	.91	.86	.83	.89	.85	.82	.87	.83	.81	.85	.82	.80	.78
5.0	.87	.82	.78	.86	.81	.77	.84	.80	.77	.83	.79	.76	.81	.78	.75	.74
6.0	.82	.77	.73	.82	.76	.73	.80	.76	.72	.79	.75	.72	.77	.74	.71	.70
7.0	.78	.73	.69	.77	.72	.68	.76	.72	.68	.75	.71	.68	.74	.70	.67	.66
8.0	.74	.69	.65	.74	.68	.65	.73	.68	.64	.72	.67	.64	.71	.67	.64	.63
9.0	.71	.65	.61	.70	.65	.61	.69	.64	.61	.68	.64	.61	.68	.64	.61	.60
10.0	.67	.62	.58	.67	.62	.58	.66	.61	.58	.65	.61	.58	.65	.61	.58	.57



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:0.6959A P:150.2W PF:0.9850 Freq:50.01Hz Lamp Flux:25520.1x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-L2-00-5080-60D-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	.170	.097	.031	.164	.093	.030	.151	.087	.028	.140	.080	.026	.129	.075	.024		
2.0	.161	.088	.027	.156	.086	.026	.145	.081	.025	.135	.076	.024	.126	.071	.023		
3.0	.152	.081	.024	.147	.079	.024	.139	.075	.023	.130	.071	.022	.123	.068	.021		
4.0	.144	.075	.022	.140	.073	.022	.132	.070	.021	.125	.067	.020	.119	.065	.020		
5.0	.137	.070	.020	.133	.068	.020	.127	.066	.019	.121	.064	.019	.115	.061	.018		
6.0	.130	.065	.019	.127	.064	.019	.122	.062	.018	.116	.060	.018	.111	.058	.017		
7.0	.125	.062	.017	.122	.061	.017	.117	.059	.017	.112	.057	.017	.107	.056	.016		
8.0	.119	.058	.016	.117	.058	.016	.112	.056	.016	.108	.055	.016	.104	.053	.016		
9.0	.114	.055	.015	.112	.055	.015	.108	.053	.015	.104	.052	.015	.101	.051	.015		
10.0	.110	.053	.015	.108	.052	.015	.104	.051	.014	.101	.050	.014	.097	.049	.014		

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	.171	.157	.145	.146	.135	.125	.100	.093	.087	.057	.054	.050	.018	.017	.016	
2.0	.155	.133	.114	.133	.114	.098	.091	.079	.069	.052	.046	.040	.017	.015	.013	
3.0	.142	.114	.091	.122	.098	.079	.083	.068	.055	.048	.040	.033	.015	.013	.011	
4.0	.131	.099	.074	.112	.085	.064	.077	.059	.045	.045	.035	.027	.014	.011	.009	
5.0	.122	.087	.061	.105	.075	.053	.072	.053	.038	.042	.031	.022	.013	.010	.007	
6.0	.114	.077	.051	.098	.067	.045	.068	.047	.031	.039	.028	.019	.013	.009	.006	
7.0	.107	.070	.043	.092	.060	.038	.064	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.102	.063	.037	.087	.055	.032	.060	.039	.023	.035	.023	.014	.011	.007	.005	
9.0	.096	.058	.032	.083	.050	.028	.058	.035	.020	.034	.021	.012	.011	.007	.004	
10.0	.092	.054	.028	.079	.047	.025	.055	.033	.018	.032	.019	.010	.010	.006	.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:0.6959A P:150.2W PF:0.9850 Freq:50.01Hz Lamp Flux:25520.1x1 lm										
NAME: AOK HBE					TYPE:			WEIGHT:		
SPEC.:AOK-150WHBE-NV-L2-00-5080-60D-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	14.6	15.5	14.9	15.7	15.8	16.3	17.2	16.6	17.4	17.5
3H	15.4	16.2	15.7	16.4	16.6	16.8	17.6	17.1	17.8	18.0
4H	15.8	16.5	16.0	16.8	17.0	17.0	17.8	17.3	18.0	18.2
6H	16.0	16.7	16.3	16.9	17.2	17.2	17.9	17.4	18.1	18.4
8H	16.0	16.7	16.3	16.9	17.2	17.2	17.9	17.5	18.1	18.4
12H	16.0	16.6	16.3	16.9	17.2	17.1	17.8	17.5	18.1	18.3
4H 2H	14.9	15.7	15.2	15.9	16.1	16.4	17.2	16.7	17.4	17.6
3H	15.9	16.6	16.2	16.8	17.1	17.1	17.7	17.4	18.0	18.3
4H	16.4	17.0	16.7	17.3	17.6	17.4	18.0	17.7	18.3	18.6
6H	16.6	17.2	17.0	17.5	17.9	17.6	18.1	17.9	18.4	18.8
8H	16.7	17.2	17.1	17.5	17.9	17.6	18.1	18.0	18.4	18.8
12H	16.7	17.1	17.1	17.5	17.9	17.6	18.0	18.0	18.4	18.8
8H 4H	16.5	17.0	16.9	17.3	17.7	17.4	17.9	17.8	18.3	18.6
6H	16.8	17.2	17.2	17.6	18.0	17.7	18.1	18.1	18.5	18.9
8H	16.9	17.2	17.3	17.6	18.1	17.7	18.1	18.2	18.5	18.9
12H	16.8	17.2	17.3	17.6	18.1	17.7	18.0	18.2	18.5	18.9
12H 4H	16.5	16.9	16.9	17.3	17.7	17.4	17.8	17.8	18.2	18.6
6H	16.8	17.2	17.3	17.6	18.0	17.7	18.0	18.1	18.4	18.9
8H	16.9	17.2	17.3	17.6	18.1	17.7	18.0	18.2	18.5	18.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.3					+ 0.8 / - 0.4				
1.5H	+ 0.7 / - 0.3					+ 1.5 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 25520 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 11.3$)

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:0.6959A P:150.2W PF:0.9850 Freq:50.01Hz Lamp Flux:25520.1x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-L2-00-5080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: ϕ 263mm	Shielding Angle:

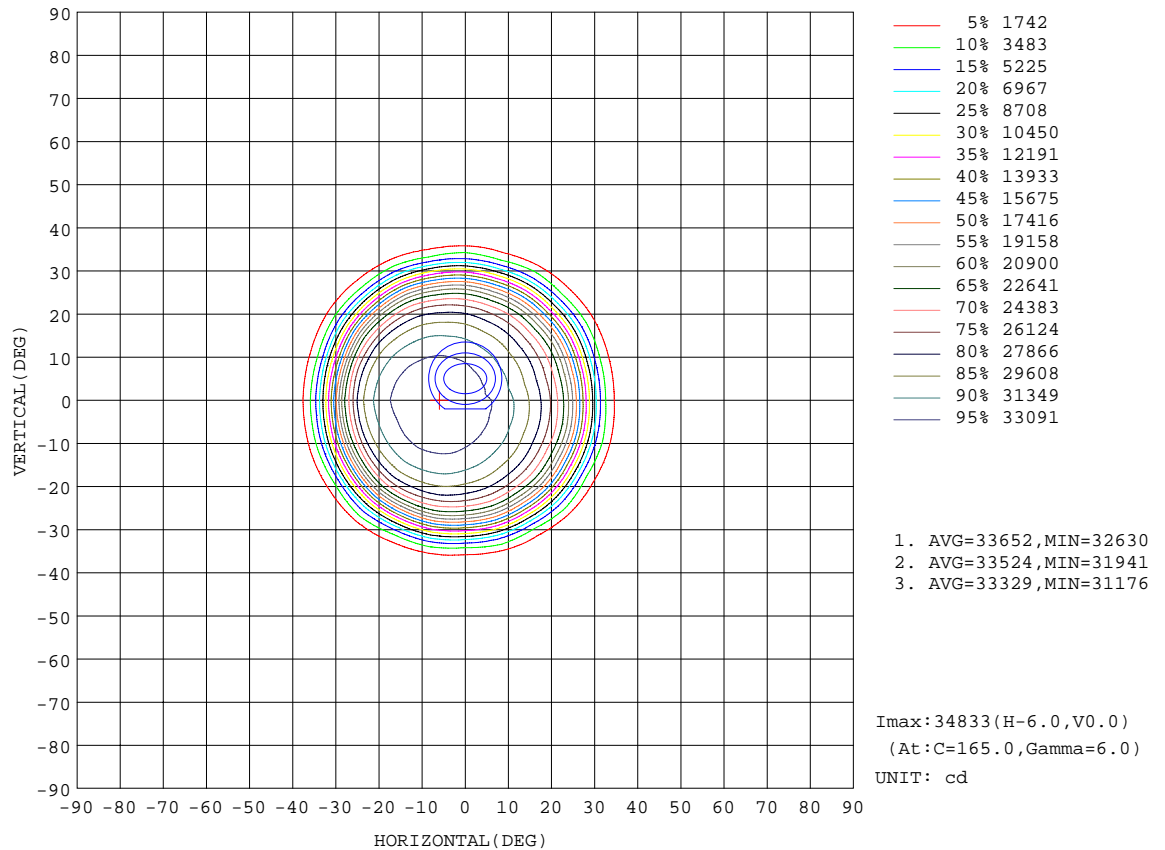
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	79	89	83	79	88	82	79	76
0.80	96	91	87	95	90	87	94	90	87	83
1.00	100	95	91	99	94	91	98	94	91	87
1.25	104	99	96	103	98	95	101	97	94	90
1.50	106	102	99	105	101	98	103	100	97	93
2.00	109	105	102	107	104	101	105	102	99	94
2.50	111	107	104	109	106	103	106	103	101	95
3.00	112	109	106	110	107	105	107	105	103	96
4.00	114	111	109	112	110	108	108	107	105	98
5.00	115	113	111	113	111	110	109	108	107	99
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:0.6959A P:150.2W PF:0.9850 Freq:50.01Hz Lamp Flux:25520.1x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-L2-00-5080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: ϕ 263mm	Shielding Angle:

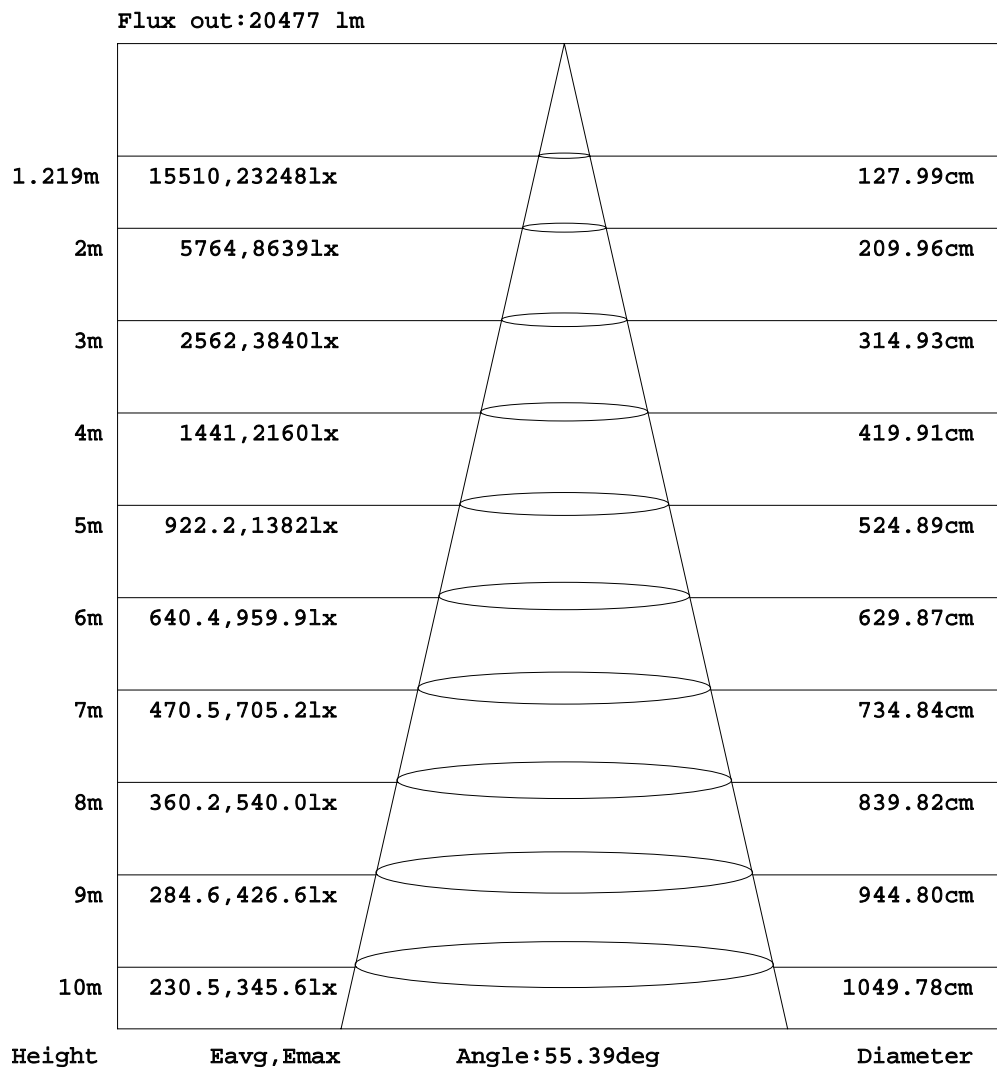


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-8-24

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:0.6959A P:150.2W PF:0.9850 Freq:50.01Hz Lamp Flux:25520.1x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-L2-00-5080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: Φ 263mm	Shielding Angle:



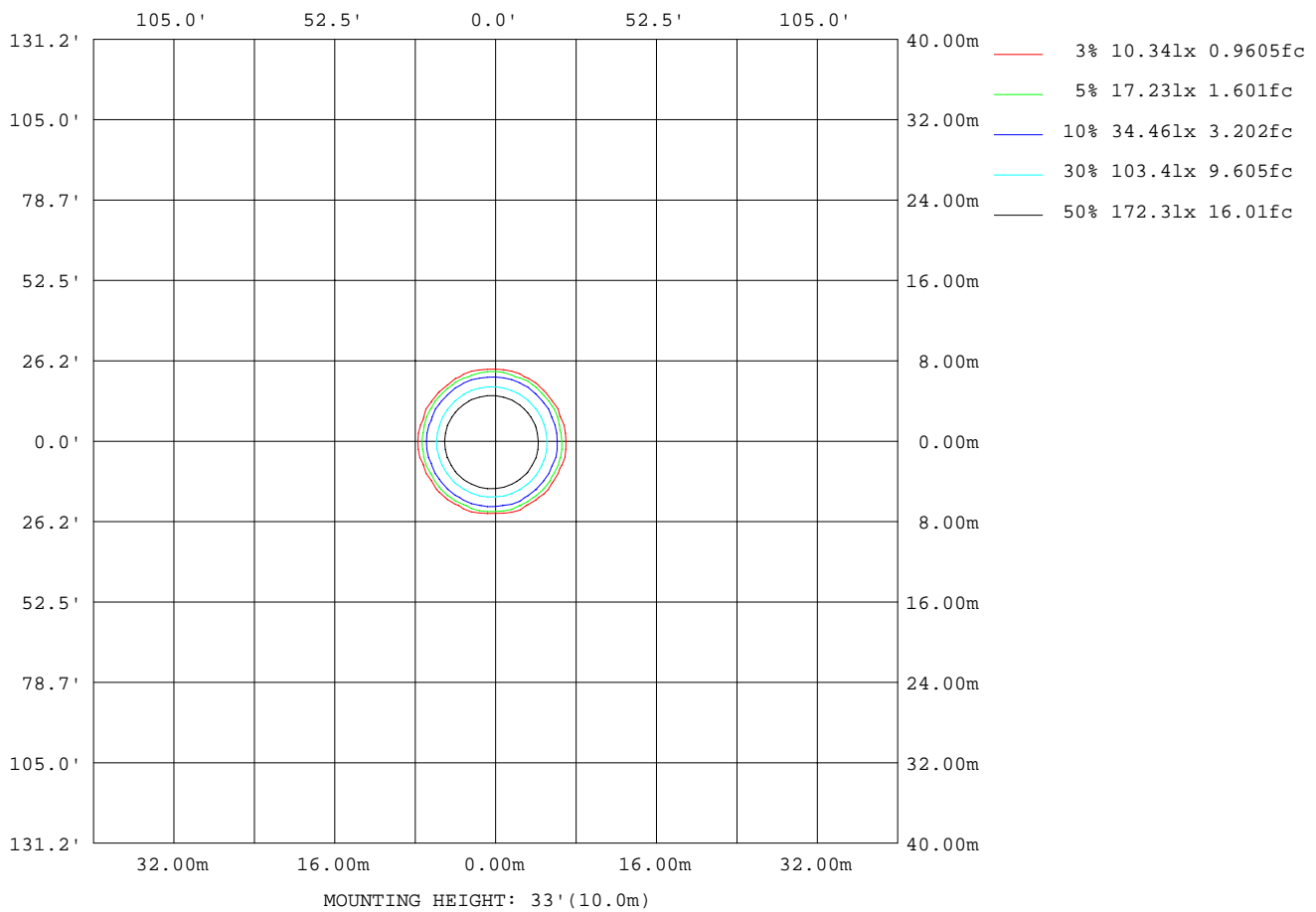
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.6959A P:150.2W PF:0.9850 Freq:50.01Hz Lamp Flux:25520.1x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-L2-00-5080-60D-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:0.6959A P:150.2W PF:0.9850 Freq:50.01Hz Lamp Flux:25520.1x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-L2-00-5080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: Φ 263mm	Shielding Angle:

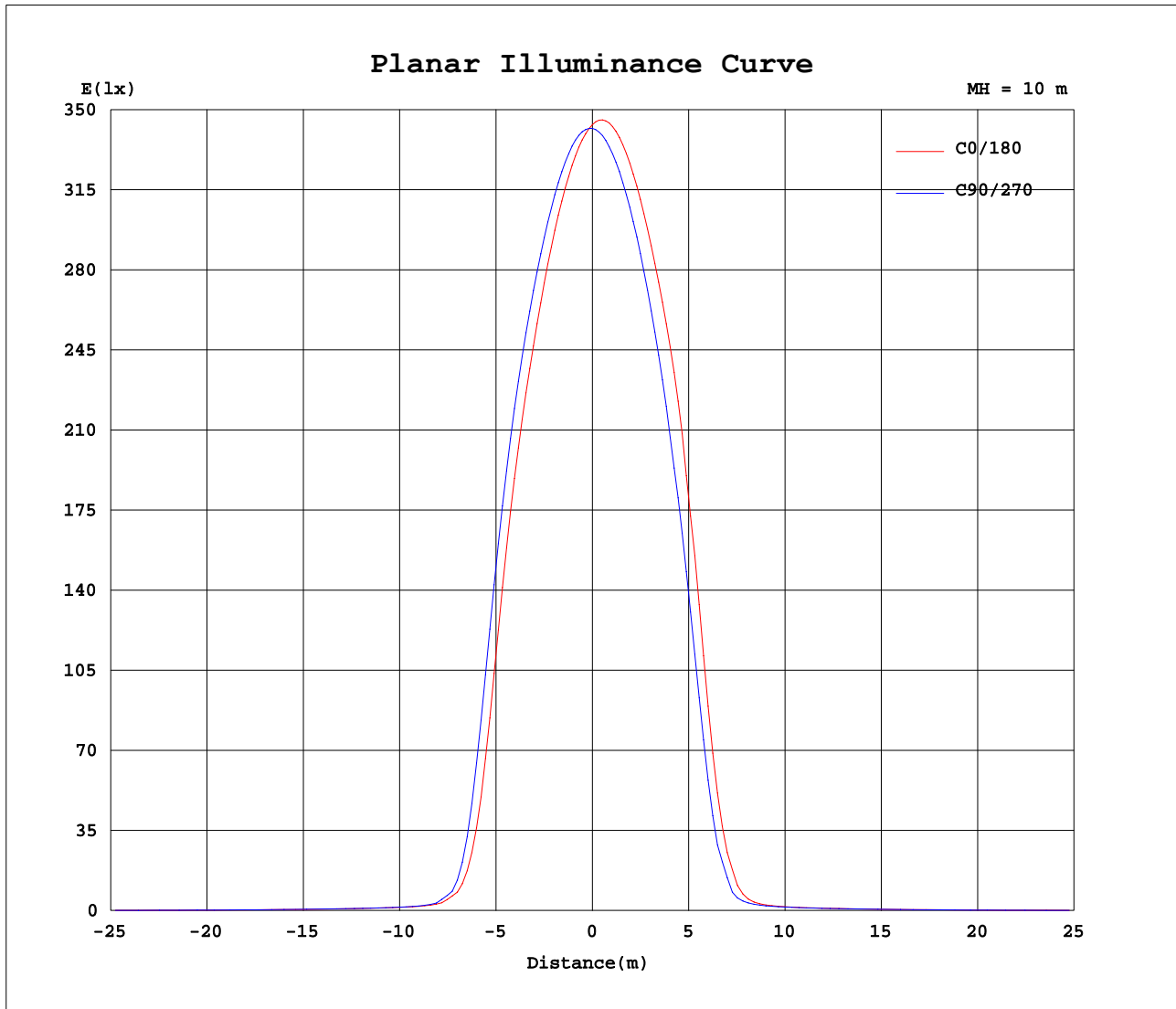
AvgL	cd/m2
L_0~180 (65) av	10450
L_0~180 (75) av	9259
L_0~180 (85) av	3779
L_90~270 (65) av	10257
L_90~270 (75) av	9069
L_90~270 (85) av	4021
L_45 (65) av	10659
L_45 (75) av	9024
L_45 (85) av	3765

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:0.6959A P:150.2W PF:0.9850 Freq:50.01Hz Lamp Flux:25520.1x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-L2-00-5080-60D-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	3419	3419	3419	3419	3419	3419	3419	3419	3419	3419	3419	3419	3419	3419	3419	3419	3419	3419	3419
5	3322	3328	3337	3353	3369	3389	3407	3429	3440	3455	3462	3467	3466	3458	3447	3431	3415	3395	3377
10	3169	3183	3200	3229	3258	3296	3332	3375	3402	3430	3443	3451	3449	3431	3412	3379	3349	3310	3277
15	2935	2960	2985	3033	3075	3134	3185	3248	3288	3333	3352	3367	3365	3338	3309	3257	3210	3150	3101
20	2577	2601	2646	2713	2770	2852	2921	3012	3070	3137	3166	3190	3190	3154	3108	3029	2958	2866	2795
25	1888	1955	1984	2097	2166	2298	2376	2488	2584	2696	2730	2781	2787	2726	2633	2533	2443	2301	2215
30	761	828	867	967	1047	1198	1284	1436	1501	1628	1637	1702	1707	1608	1583	1456	1392	1233	1148
35	146	158	157	177	183	268	244	330	328	446	406	455	459	413	403	336	330	244	263
40	53.7	54.6	54.3	55.8	56.2	58.7	60.4	65.2	67.7	74.2	76.2	81.8	82.9	79.3	78.8	71.9	69.0	63.7	62.2
45	40.5	40.7	40.6	40.5	40.5	40.7	41.8	43.3	43.7	45.2	46.2	47.3	47.6	47.3	47.7	45.7	45.0	43.6	43.5
50	36.2	36.0	36.4	36.3	36.7	36.0	37.2	38.0	38.1	38.9	39.7	40.0	39.9	39.7	40.7	39.0	38.9	37.8	38.4
55	32.8	32.5	33.3	33.3	34.0	33.1	34.3	34.7	34.8	35.8	36.3	36.5	36.0	35.5	37.2	35.2	35.7	34.2	34.8
60	28.1	28.0	28.8	29.1	29.6	28.7	29.4	30.0	30.2	31.5	31.4	31.6	31.2	30.7	32.3	30.8	31.4	29.6	29.8
65	22.8	22.6	23.2	23.5	23.8	23.1	23.5	24.0	24.5	25.6	25.2	25.3	25.2	24.9	25.9	25.2	25.6	24.0	23.6
70	17.7	17.6	17.8	18.1	18.0	17.6	18.1	18.6	19.0	19.6	19.4	19.5	19.5	19.5	19.9	19.6	19.5	18.4	18.2
75	12.0	11.9	11.8	12.0	11.9	11.8	12.6	12.9	13.1	13.7	13.3	13.7	14.0	13.7	14.1	13.3	13.5	12.7	12.9
80	6.11	6.14	5.03	5.98	5.41	6.09	6.78	7.08	6.69	7.38	6.64	7.64	8.31	7.76	7.11	7.03	6.81	6.80	7.12
85	1.07	0.86	0.98	1.27	1.22	1.11	1.76	1.50	1.83	2.32	1.94	1.82	2.51	1.81	1.97	2.16	1.85	1.44	2.05
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:0.6959A P:150.2W PF:0.9850 Freq:50.01Hz Lamp Flux:25520.1x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-L2-00-5080-60D-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	3419	3419	3419	3419	3419														
5	3359	3345	3331	3326	3320														
10	3241	3213	3188	3176	3166														
15	3044	3005	2964	2946	2932														
20	2713	2661	2606	2582	2568														
25	2087	2025	1933	1917	1876														
30	1005	943	835	822	764														
35	185	179	158	160	148														
40	58.6	57.5	55.6	55.3	54.0														
45	42.4	41.7	41.1	40.8	40.4														
50	37.5	37.0	36.9	36.6	36.3														
55	33.6	33.6	33.9	33.5	33.1														
60	28.7	29.1	29.4	29.0	28.4														
65	22.9	23.3	23.6	23.2	22.8														
70	17.7	17.8	17.9	17.5	17.4														
75	12.2	11.9	11.7	11.6	11.5														
80	6.36	5.48	5.59	5.13	5.52														
85	1.09	1.41	1.37	1.15	0.71														
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: