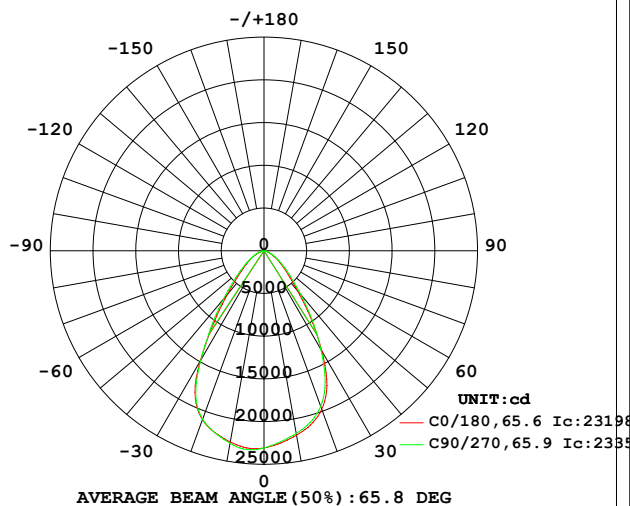


LUMINAIRE PHOTOMETRIC TEST REPORT

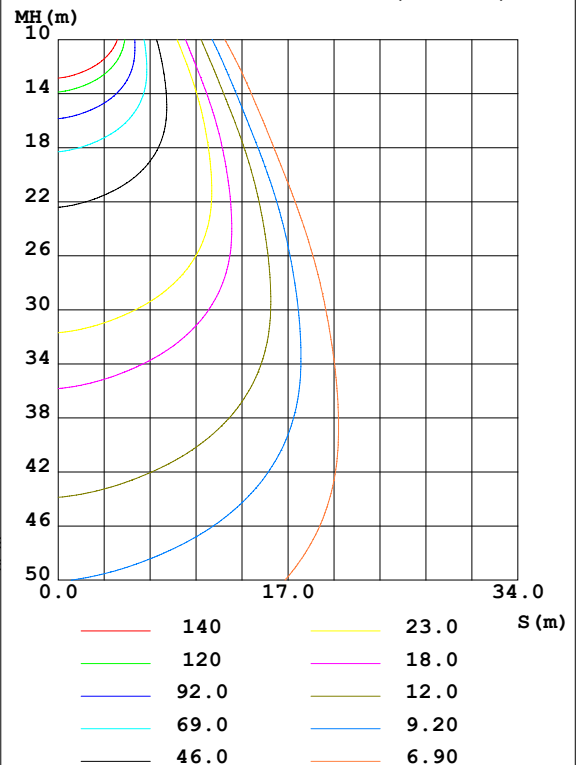
Test:U:219.2V I:0.6927A P:149.6W PF:0.9854 Freq:50.01Hz Lamp Flux:29763.3x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-A2-00-5070-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: Φ 263mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 198.95 lm/W			
MODEL	2835	I _{max} (cd)	23453	S/MH (C0/180)	0.98
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.00
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	29763	η UP,DN (C0-180)	0.0,48.4
NOMINAL FLUX (lm)	29763.3	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,51.6
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	1.00

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	2192	2164	2172	2214	2273	2300	2289	2247	0- 10	2166	2166	7.28,7.28
20	1976	1923	1939	2025	2104	2112	2099	2062	10- 20	6051	8217	27.6,27.6
30	1352	1311	1331	1432	1495	1478	1482	1445	20- 30	8147	16364	55,55
40	609.4	629.0	673.5	663.8	665.5	715.8	735.3	671.8	30- 40	6285	22648	76.1,76.1
50	293.4	282.1	323.4	317.5	317.9	320.9	350.3	317.4	40- 50	3582	26230	88.1,88.1
60	146.5	138.5	158.8	157.0	160.5	155.9	173.8	155.4	50- 60	2066	28296	95.1,95.1
70	58.61	55.85	61.05	63.36	65.62	63.98	69.05	62.46	60- 70	1039	29335	98.6,98.6
80	14.34	13.34	14.66	15.10	17.51	17.26	18.46	14.82	70- 80	378.1	29713	99.8,99.8
90	0	0	0	0	0	0	0	0	80- 90	50.64	29763	100,100
100	0	0	0	0	0	0	0	0	90-100	0	29763	100,100
110	0	0	0	0	0	0	0	0	100-110	0	29763	100,100
120	0	0	0	0	0	0	0	0	110-120	0	29763	100,100
130	0	0	0	0	0	0	0	0	120-130	0	29763	100,100
140	0	0	0	0	0	0	0	0	130-140	0	29763	100,100
150	0	0	0	0	0	0	0	0	140-150	0	29763	100,100
160	0	0	0	0	0	0	0	0	150-160	0	29763	100,100
170	0	0	0	0	0	0	0	0	160-170	0	29763	100,100
180	0	0	0	0	0	0	0	0	170-180	0	29763	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 24691 lm

%lum = 83.0%

%lamp = 83.0%

Conical surface Flux(120deg): 28296 lm

%lum = 95.1%

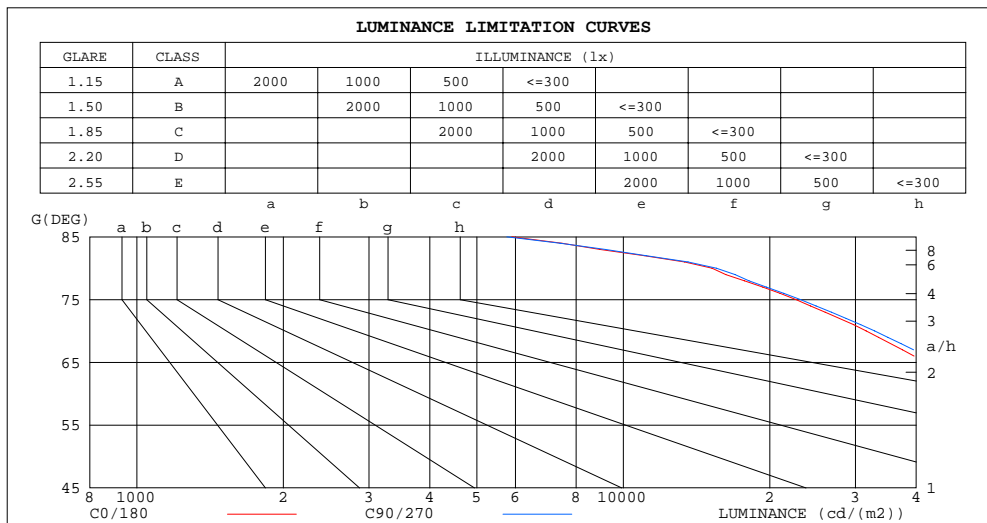
%lamp = 95.1%

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:0.6927A P:149.6W PF:0.9854 Freq:50.01Hz Lamp Flux:29763.3x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-A2-00-5070-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: Φ 263mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	5897	5761
80	15213	15537
75	22642	23115
70	31577	32849
65	41721	44359
60	53970	58436
55	67901	74379
50	84101	92576
45	106897	118841

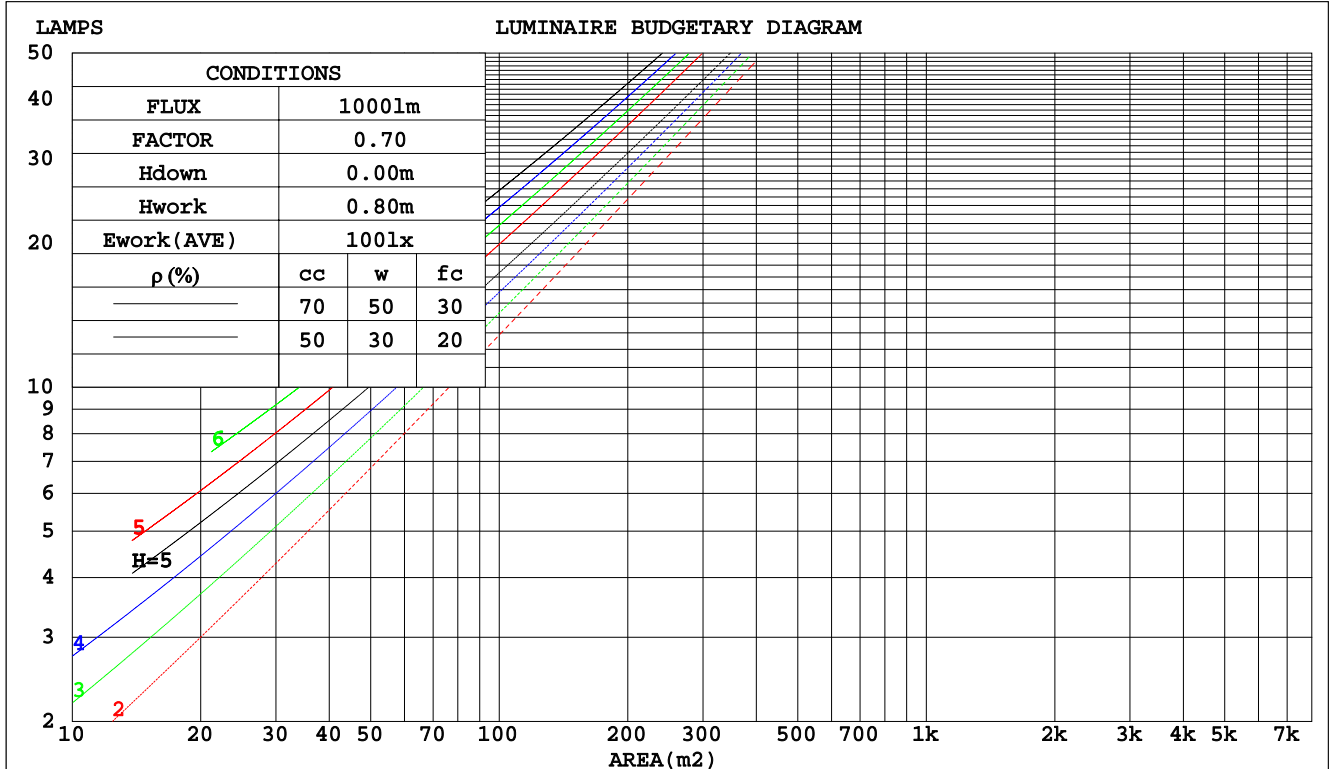
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-8-24

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:0.6927A P:149.6W PF:0.9854 Freq:50.01Hz Lamp Flux:29763.3x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-A2-00-5070-60D-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	1.00
1.0	1.09	1.06	1.03	1.07	1.04	1.02	1.03	1.00	.99	.99	.97	.96	.95	.94	.93	.91
2.0	.99	.95	.90	.98	.93	.89	.94	.91	.87	.91	.88	.86	.88	.86	.84	.82
3.0	.91	.85	.80	.89	.84	.80	.87	.82	.78	.84	.80	.77	.82	.79	.76	.74
4.0	.84	.77	.72	.82	.76	.71	.80	.75	.71	.78	.73	.70	.76	.72	.69	.67
5.0	.77	.70	.65	.76	.70	.65	.74	.68	.64	.72	.67	.63	.71	.66	.63	.61
6.0	.71	.64	.59	.70	.64	.59	.69	.63	.59	.67	.62	.58	.66	.61	.58	.56
7.0	.66	.59	.54	.65	.59	.54	.64	.58	.54	.63	.57	.53	.62	.57	.53	.52
8.0	.62	.55	.50	.61	.54	.50	.60	.54	.50	.59	.53	.49	.58	.53	.49	.48
9.0	.58	.51	.46	.57	.51	.46	.56	.50	.46	.55	.50	.46	.54	.49	.46	.44
10.0	.54	.47	.43	.54	.47	.43	.53	.47	.43	.52	.46	.43	.51	.46	.43	.41



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:0.6927A P:149.6W PF:0.9854 Freq:50.01Hz Lamp Flux:29763.3x1 lm					
NAME: AOK HBE			TYPE:		WEIGHT:
SPEC.:AOK-150WHBE-NV-A2-00-5070-60D-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	.213	.121	.038	.206	.117	.037	.193	.111	.035	.181	.105	.034	.171	.099	.032	
2.0	.206	.113	.035	.200	.110	.034	.189	.105	.033	.179	.100	.031	.170	.096	.030	
3.0	.196	.104	.031	.191	.102	.031	.181	.098	.030	.173	.095	.029	.164	.091	.028	
4.0	.185	.096	.028	.181	.095	.028	.173	.092	.027	.165	.089	.027	.158	.086	.026	
5.0	.175	.089	.026	.172	.088	.026	.164	.086	.025	.158	.083	.025	.151	.081	.024	
6.0	.166	.083	.024	.163	.082	.024	.156	.080	.023	.150	.078	.023	.145	.076	.023	
7.0	.157	.078	.022	.154	.077	.022	.149	.075	.022	.143	.073	.021	.138	.072	.021	
8.0	.150	.073	.021	.147	.072	.020	.142	.071	.020	.137	.069	.020	.132	.068	.020	
9.0	.142	.069	.019	.140	.068	.019	.135	.067	.019	.131	.066	.019	.127	.064	.019	
10.0	.136	.065	.018	.133	.064	.018	.129	.063	.018	.125	.062	.018	.122	.061	.018	

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	.174	.157	.142	.149	.135	.122	.102	.093	.085	.058	.054	.049	.019	.017	.016	
2.0	.161	.132	.108	.138	.114	.094	.094	.079	.065	.054	.046	.038	.017	.015	.012	
3.0	.150	.114	.085	.129	.098	.074	.088	.068	.052	.051	.040	.030	.016	.013	.010	
4.0	.141	.100	.068	.121	.086	.059	.083	.060	.041	.048	.035	.025	.016	.011	.008	
5.0	.133	.088	.055	.114	.076	.048	.079	.053	.034	.046	.031	.020	.015	.010	.007	
6.0	.126	.079	.046	.108	.069	.040	.075	.048	.028	.043	.028	.017	.014	.009	.006	
7.0	.120	.072	.039	.103	.063	.034	.071	.044	.024	.041	.026	.014	.013	.008	.005	
8.0	.114	.066	.033	.098	.057	.029	.068	.040	.021	.040	.024	.012	.013	.008	.004	
9.0	.109	.061	.029	.094	.053	.025	.065	.037	.018	.038	.022	.011	.012	.007	.004	
10.0	.104	.057	.025	.090	.049	.022	.062	.035	.016	.036	.021	.009	.012	.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:0.6927A P:149.6W PF:0.9854 Freq:50.01Hz Lamp Flux:29763.3x1 lm										
NAME: AOK HBE					TYPE:			WEIGHT:		
SPEC.:AOK-150WHBE-NV-A2-00-5070-60D-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	25.6	26.8	25.9	26.9	27.1	26.1	27.2	26.3	27.4	27.6
3H	25.9	27.0	26.2	27.2	27.4	26.3	27.4	26.6	27.6	27.8
4H	26.0	27.0	26.3	27.2	27.4	26.4	27.4	26.7	27.6	27.8
6H	25.9	26.9	26.3	27.1	27.4	26.4	27.3	26.7	27.5	27.8
8H	25.9	26.8	26.2	27.1	27.3	26.3	27.2	26.6	27.5	27.8
12H	25.9	26.7	26.2	27.0	27.3	26.3	27.1	26.6	27.4	27.7
4H 2H	25.7	26.7	26.0	26.9	27.2	26.1	27.1	26.4	27.3	27.6
3H	26.1	27.0	26.4	27.2	27.5	26.5	27.3	26.8	27.6	27.9
4H	26.2	27.0	26.6	27.3	27.6	26.6	27.3	26.9	27.7	28.0
6H	26.2	26.9	26.6	27.2	27.6	26.6	27.3	27.0	27.6	28.0
8H	26.2	26.8	26.6	27.2	27.5	26.6	27.2	27.0	27.5	27.9
12H	26.1	26.7	26.6	27.1	27.5	26.5	27.1	26.9	27.5	27.9
8H 4H	26.2	26.8	26.6	27.1	27.5	26.5	27.1	26.9	27.5	27.9
6H	26.2	26.7	26.6	27.1	27.5	26.5	27.1	27.0	27.5	27.9
8H	26.2	26.6	26.6	27.0	27.5	26.5	27.0	27.0	27.4	27.8
12H	26.1	26.5	26.6	27.0	27.4	26.5	26.9	27.0	27.3	27.8
12H 4H	26.1	26.7	26.5	27.1	27.5	26.5	27.1	26.9	27.4	27.8
6H	26.2	26.6	26.6	27.0	27.5	26.5	27.0	27.0	27.4	27.8
8H	26.1	26.5	26.6	27.0	27.4	26.5	26.9	27.0	27.3	27.8
Variations with the observer position at spacings:										
S = 1.0H	+ 1.0 / - 1.5					+ 1.0 / - 1.6				
1.5H	+ 1.6 / - 0.9					+ 1.5 / - 1.0				
2.0H	+ 1.9 / - 1.7					+ 2.1 / - 1.8				

CIE Pub.117, 29763 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 11.8$)

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:0.6927A P:149.6W PF:0.9854 Freq:50.01Hz Lamp Flux:29763.3x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-A2-00-5070-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: ϕ 263mm	Shielding Angle:

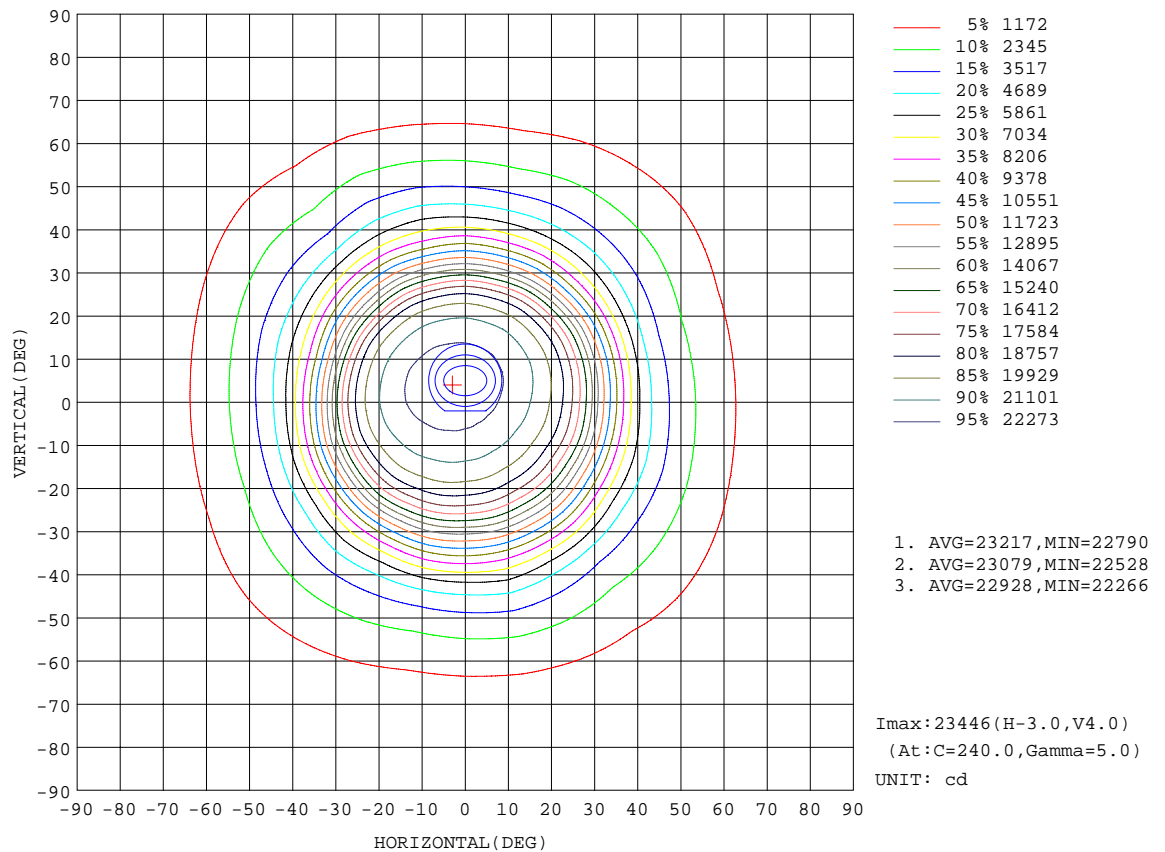
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	76	68	63	76	68	63	75	68	63	58
0.80	85	77	72	84	77	72	83	76	72	67
1.00	92	84	79	91	84	79	89	84	79	74
1.25	97	90	85	96	89	85	93	88	84	79
1.50	100	94	90	99	93	89	97	92	88	83
2.00	105	99	95	103	98	94	100	96	93	87
2.50	107	102	98	105	101	97	102	98	95	89
3.00	109	105	101	107	103	100	104	100	98	91
4.00	112	108	105	109	106	104	106	103	101	93
5.00	113	110	108	111	108	106	107	105	103	95
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:0.6927A P:149.6W PF:0.9854 Freq:50.01Hz Lamp Flux:29763.3x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-A2-00-5070-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: ϕ 263mm	Shielding Angle:

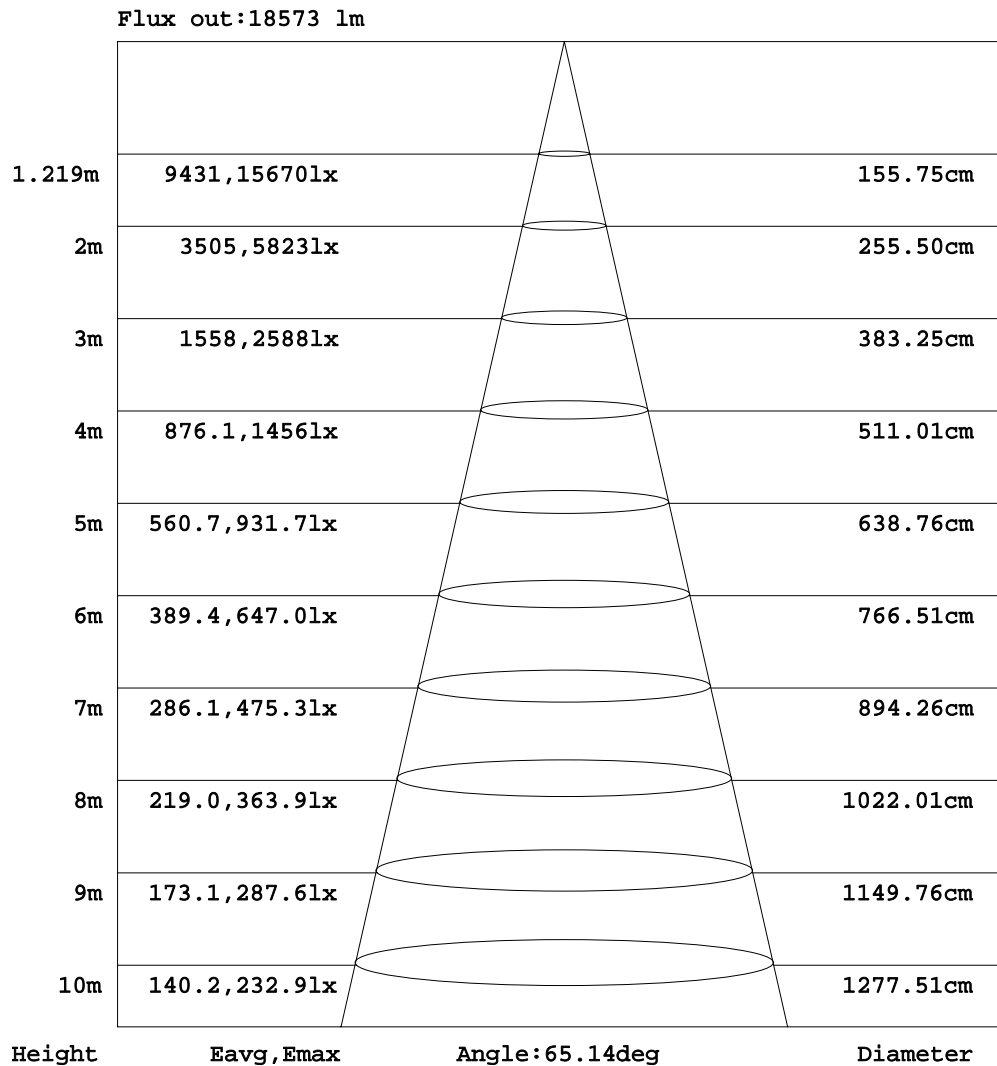


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-8-24

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:0.6927A P:149.6W PF:0.9854 Freq:50.01Hz Lamp Flux:29763.3x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-A2-00-5070-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: Φ 263mm	Shielding Angle:



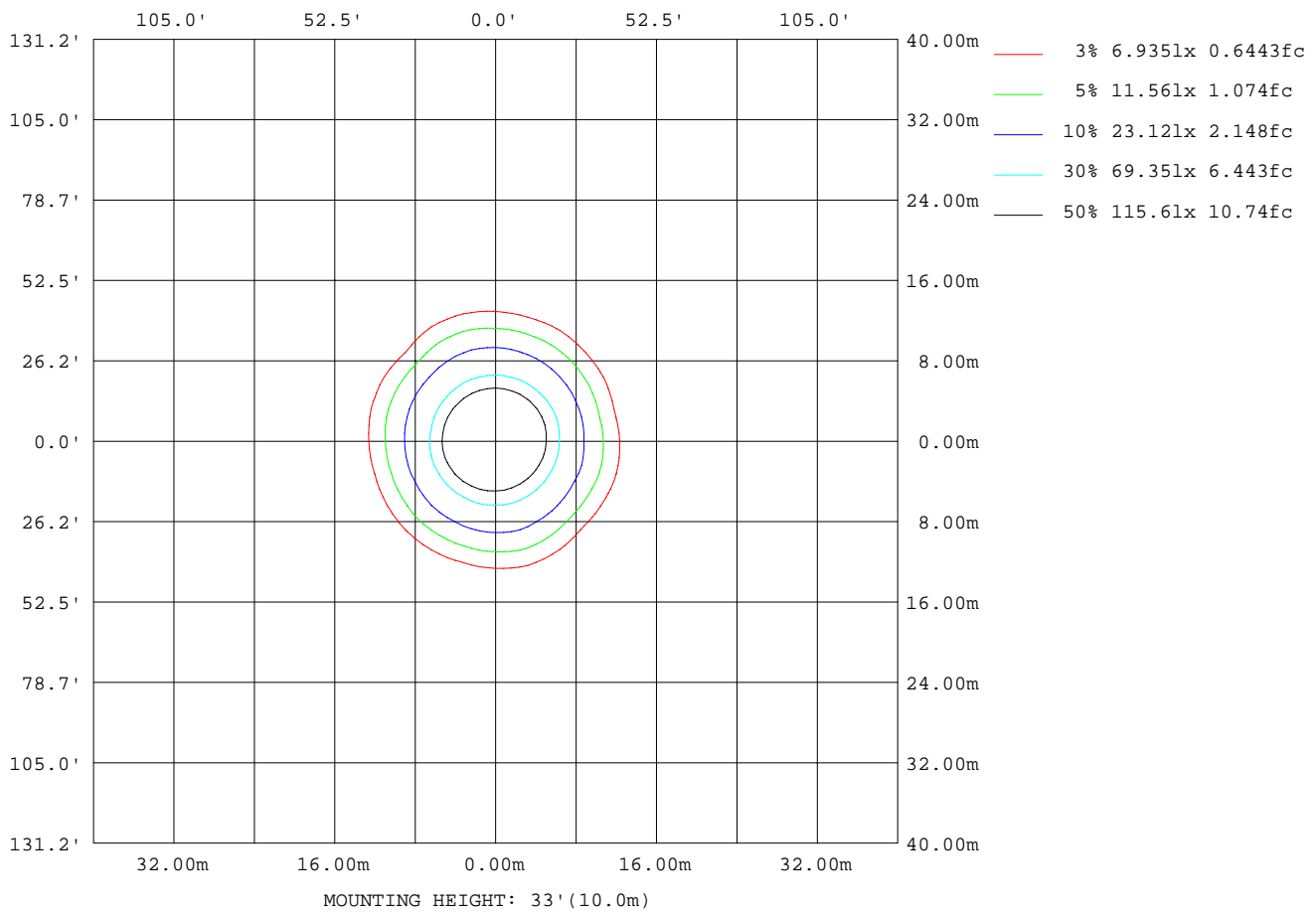
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.6927A P:149.6W PF:0.9854 Freq:50.01Hz Lamp Flux:29763.3x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-A2-00-5070-60D-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:0.6927A P:149.6W PF:0.9854 Freq:50.01Hz Lamp Flux:29763.3x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-A2-00-5070-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: Φ 263mm	Shielding Angle:

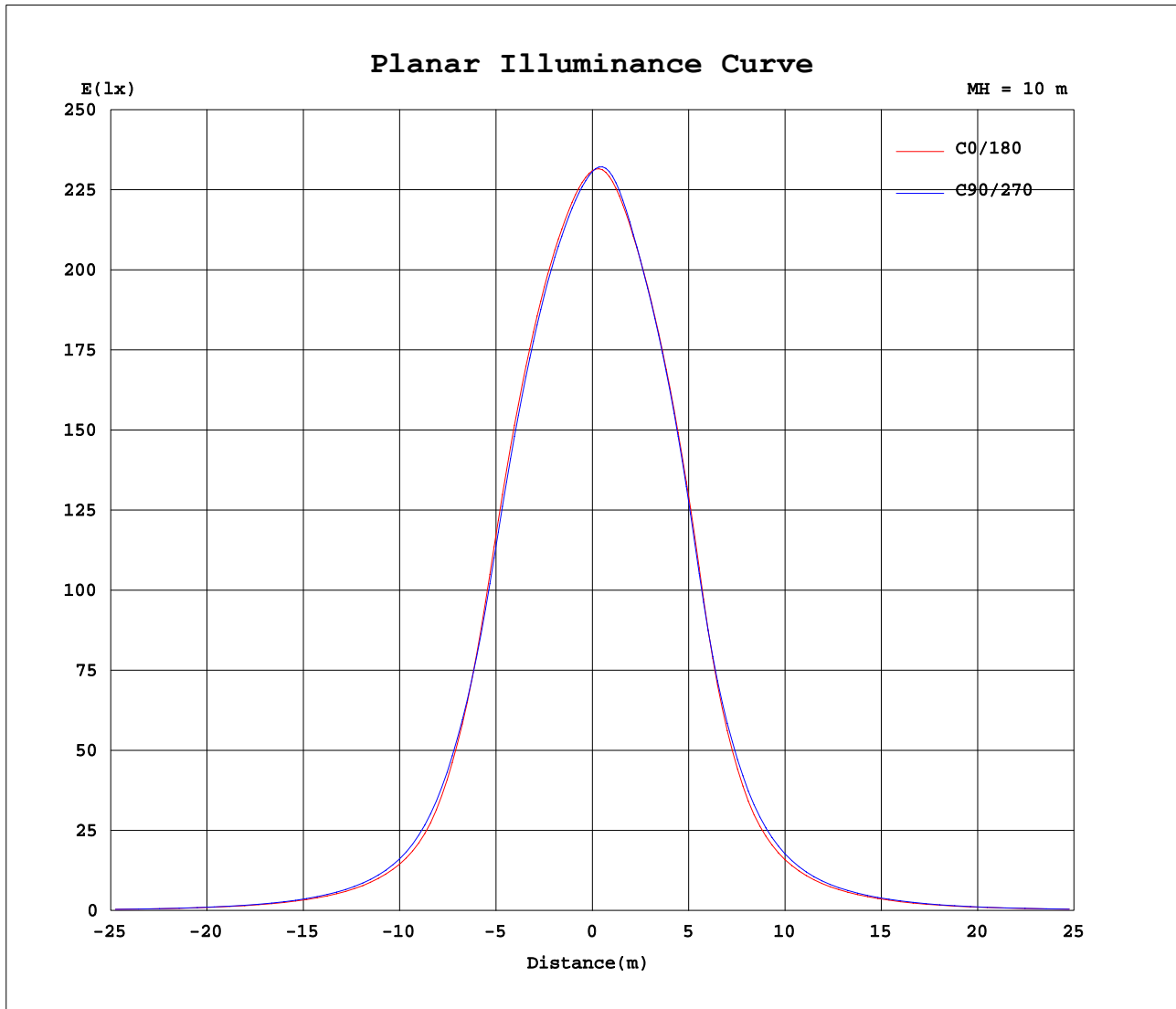
AvgL	cd/m2
L_0~180 (65) av	43793
L_0~180 (75) av	24541
L_0~180 (85) av	7468
L_90~270 (65) av	46809
L_90~270 (75) av	25354
L_90~270 (85) av	7827
L_45 (65) av	43295
L_45 (75) av	23791
L_45 (85) av	7513

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:0.6927A P:149.6W PF:0.9854 Freq:50.01Hz Lamp Flux:29763.3x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-A2-00-5070-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: ϕ 263mm	Shielding Angle:

Table--1

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

γ (DEG) \ C (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	2308	2308	2308	2308	2308	2308	2308	2308	2308	2308	2308	2308	2308	2308	2308	2308	2308	2308	2308
5	2258	2249	2242	2239	2238	2240	2244	2251	2260	2273	2285	2301	2316	2328	2339	2343	2345	2340	2335
10	2192	2180	2169	2164	2163	2166	2172	2183	2195	2214	2232	2255	2273	2286	2300	2300	2303	2292	2289
15	2109	2093	2076	2070	2067	2075	2082	2098	2116	2141	2164	2191	2207	2216	2226	2220	2220	2209	2207
20	1976	1955	1930	1923	1917	1929	1939	1964	1987	2025	2054	2088	2104	2110	2119	2112	2113	2101	2099
25	1743	1719	1683	1677	1666	1686	1696	1731	1760	1814	1845	1890	1902	1906	1919	1902	1907	1887	1888
30	1352	1336	1303	1311	1308	1329	1331	1361	1378	1432	1450	1494	1495	1482	1495	1478	1500	1477	1482
35	947	930	924	946	953	971	979	987	976	997	1012	1037	1022	1009	1047	1055	1071	1053	1064
40	609	621	605	629	642	683	674	670	647	664	650	672	665	679	700	716	734	738	735
45	410	426	406	405	438	475	457	446	440	451	437	442	449	475	473	467	508	521	501
50	293	303	291	282	312	335	323	309	315	317	311	306	318	337	337	321	362	368	350
55	211	217	211	201	225	239	232	219	227	227	225	217	230	240	243	226	261	262	251
60	146	150	146	138	154	164	159	150	156	157	156	150	160	166	169	156	181	180	174
65	95.7	97.5	94.9	90.7	98.6	105	102	97.4	101	103	102	99.1	105	109	111	103	117	117	113
70	58.6	59.6	57.2	55.8	58.6	62.5	61.1	59.3	60.7	63.4	62.2	62.0	65.6	67.0	68.1	64.0	71.5	70.6	69.0
75	31.8	32.0	30.3	30.3	30.8	33.2	32.5	32.3	32.3	33.5	34.0	35.3	37.2	37.5	38.4	36.4	39.9	39.2	38.8
80	14.3	13.6	12.0	13.3	12.0	14.3	14.7	14.4	13.3	15.1	14.2	16.1	17.5	17.6	17.1	17.3	17.8	18.3	18.5
85	2.79	2.03	2.26	2.55	2.18	1.85	2.73	2.14	2.60	3.41	3.14	3.10	4.28	2.97	3.99	4.71	4.44	3.38	4.68
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:0.6927A P:149.6W PF:0.9854 Freq:50.01Hz Lamp Flux:29763.3x1 lm		
NAME: AOK HBE	TYPE:	WEIGHT:
SPEC.:AOK-150WHBE-NV-A2-00-5070-60D-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	2308	2308	2308	2308	2308														
5	2322	2312	2297	2285	2271														
10	2274	2265	2247	2232	2212														
15	2197	2193	2177	2161	2137														
20	2084	2082	2062	2045	2015														
25	1870	1872	1848	1833	1793														
30	1456	1464	1445	1446	1406														
35	1040	1034	1001	1009	985														
40	710	696	672	647	631														
45	481	470	453	431	407														
50	334	333	317	306	283														
55	236	239	226	219	200														
60	161	165	155	152	138														
65	105	107	102	99.6	91.1														
70	64.1	65.0	62.5	61.2	56.6														
75	35.9	36.1	33.5	33.5	31.4														
80	16.8	15.4	14.8	13.8	14.0														
85	3.11	3.65	3.55	3.01	2.06														
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
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks: