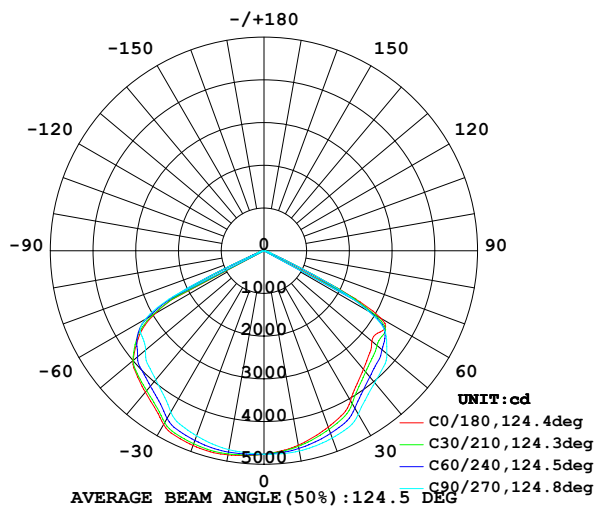


LUMINAIRE PHOTOMETRIC TEST REPORT

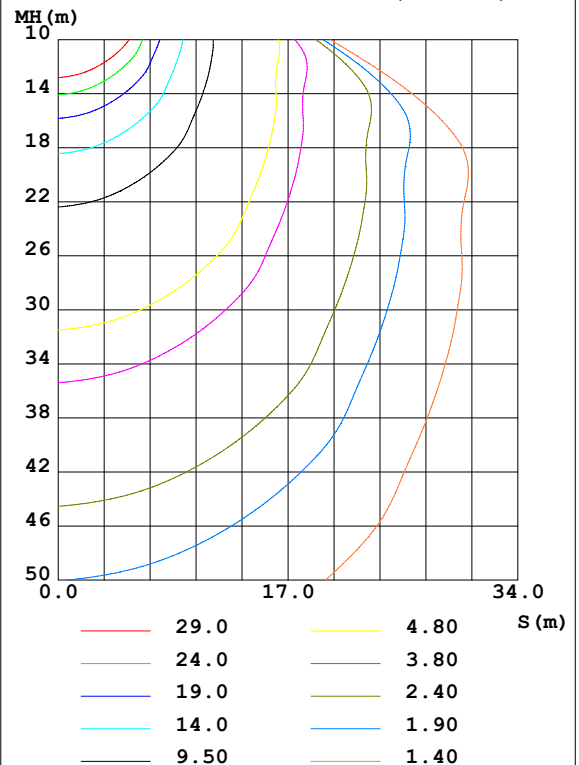
Test:U:220.2V I:0.4638A P:100.5W PF:0.9842 Lamp Flux:14003.4x1 lm		
NAME: AOK-100WoH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH	DIM.: $\phi 0.248 \times 0.138\text{m}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16\text{m}$	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 139.34 lm/W			
MODEL	3030	I _{max} (cd)	4871	S/MH (C0/180)	1.44
NOMINAL POWER (W)	100	LOR (%)	100.0	S/MH (C90/270)	1.34
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	14003	η UP,DN (C0-180)	0.1,49.1
NOMINAL FLUX (lm)	14003.4	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.1,50.6
LAMPS INSIDE	1	η up (%)	0.3	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220	η down (%)	99.7	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:OUYANG
 Test Date:2017-11-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.633m [K=1.0402]
 Remarks: 3030

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	4623	4674	4759	4828	4850	4808	4729	4651	0- 10	453.6	453.6	3.24,3.24
20	4394	4501	4666	4799	4851	4768	4612	4451	10- 20	1328	1782	12.7,12.7
30	4053	4193	4418	4605	4701	4592	4363	4132	20- 30	2097	3879	27.7,27.7
40	3620	3779	4033	4243	4321	4206	3942	3710	30- 40	2607	6486	46.3,46.3
50	3297	3529	3753	3918	4006	3933	3619	3361	40- 50	2976	9462	67.6,67.6
60	3162	2939	2811	2815	2940	3096	3209	3166	50- 60	3082	12545	89.6,89.6
70	171.2	172.4	178.5	193.9	209.1	199.4	190.5	185.9	60- 70	1295	13839	98.8,98.8
80	32.55	33.48	39.77	49.50	53.19	50.01	44.69	37.38	70- 80	112.2	13952	99.6,99.6
90	0.3540	0.3516	0.3321	0.3517	0.2887	0.2697	0.2379	0.2200	80- 90	13.97	13966	99.7,99.7
100	1.094	1.117	1.140	1.078	0.5237	0.5026	0.5297	0.5694	90-100	0.4686	13966	99.7,99.7
110	3.756	3.853	3.828	3.669	2.713	2.623	2.633	2.719	100-110	1.985	13968	99.7,99.7
120	7.070	7.112	6.894	6.558	5.484	5.534	5.721	5.919	110-120	4.717	13973	99.8,99.8
130	9.445	9.312	8.899	8.445	7.392	7.602	8.012	8.373	120-130	6.674	13980	99.8,99.8
140	10.84	10.64	10.18	9.685	9.147	9.429	9.919	10.32	130-140	7.199	13987	99.9,99.9
150	11.69	11.52	11.12	10.68	10.09	10.33	10.86	11.33	140-150	6.584	13993	99.9,99.9
160	12.51	12.41	12.11	11.79	11.24	11.37	11.77	12.16	150-160	5.275	13999	100,100
170	13.14	13.14	13.00	12.84	12.51	12.53	12.73	12.99	160-170	3.508	14002	100,100
180	13.15	13.19	13.14	13.20	13.14	13.19	13.14	13.20	170-180	1.243	14003	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

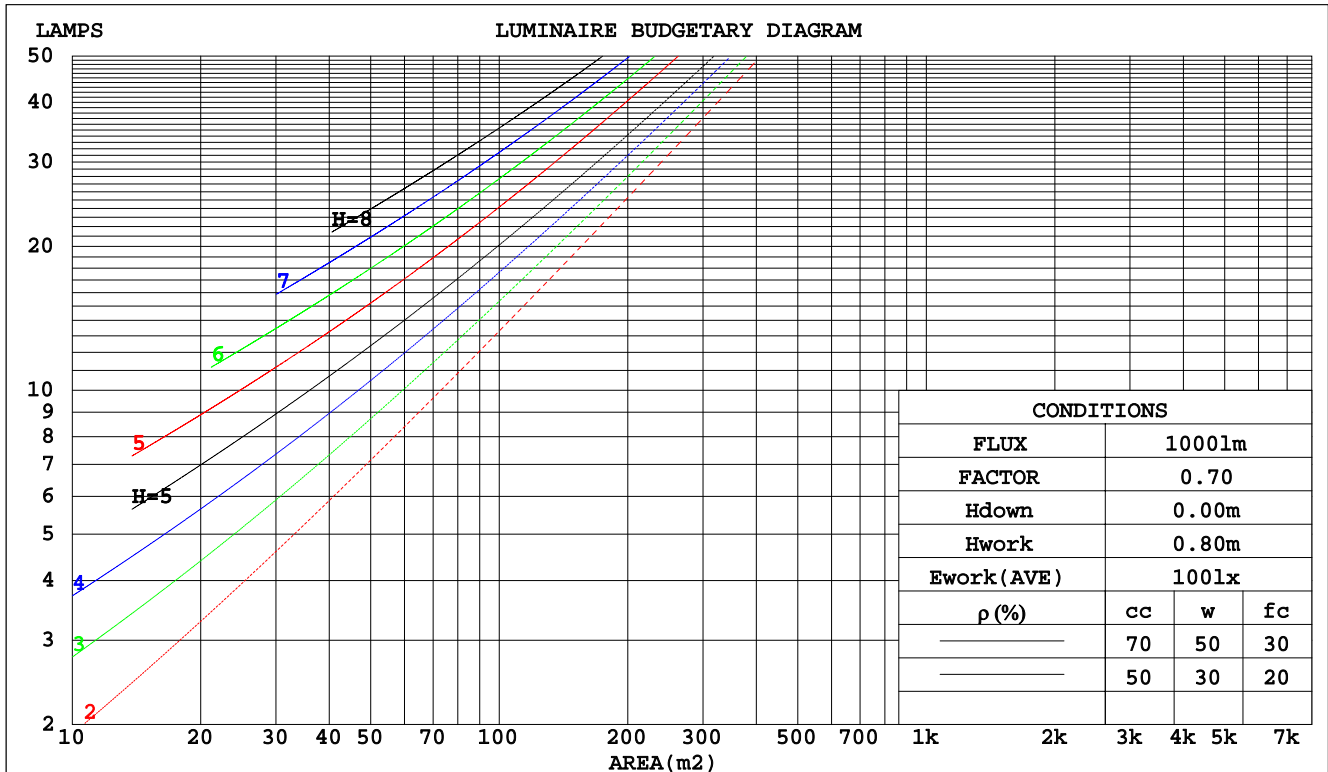
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:OUYANG
 Test Date:2017-11-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.633m [K=1.0402]
 Remarks: 3030

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.2V I:0.4638A P:100.5W PF:0.9842 Lamp Flux:14003.4x1 lm		
NAME: AOK-100WoH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH	DIM.: $\phi 0.248 \times 0.138\text{m}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16\text{m}$	PROTECTION 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						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	1.06	1.03	.00	1.04	1.01	.98	.00	.97	.95	.96	.94	.92	.92	.91	.89	.87
2.0	.94	.88	.83	.92	.86	.82	.89	.84	.80	.85	.81	.78	.82	.79	.76	.74
3.0	.83	.75	.69	.81	.74	.69	.78	.72	.67	.76	.71	.66	.73	.69	.65	.63
4.0	.73	.65	.59	.72	.64	.58	.70	.63	.58	.67	.61	.57	.65	.60	.56	.54
5.0	.65	.57	.50	.64	.56	.50	.62	.55	.50	.60	.54	.49	.58	.53	.48	.46
6.0	.59	.50	.44	.58	.50	.44	.56	.49	.43	.54	.48	.43	.53	.47	.42	.40
7.0	.53	.44	.38	.52	.44	.38	.51	.43	.38	.49	.43	.38	.48	.42	.37	.35
8.0	.48	.40	.34	.47	.39	.34	.46	.39	.34	.45	.38	.33	.44	.38	.33	.31
9.0	.44	.36	.30	.43	.36	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28
10.0	.41	.33	.27	.40	.32	.27	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: OUYANG
 Test Date: 2017-11-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 7.633m [K=1.0402]
 Remarks: 3030

WEC AND CCEC

Test:U:220.2V I:0.4638A P:100.5W PF:0.9842 Lamp Flux:14003.4x1 lm		
NAME: AOK-100WoH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH	DIM.: ϕ 0.248*0.138m	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16m	PROTECTION 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	.260	.148	.047	.253	.144	.046	.240	.138	.044	.228	.132	.042	.217	.126	.041	
2.0	.258	.141	.043	.252	.139	.043	.240	.134	.042	.230	.129	.040	.220	.124	.039	
3.0	.247	.132	.039	.242	.129	.039	.232	.125	.038	.222	.122	.037	.213	.118	.037	
4.0	.234	.121	.036	.229	.120	.035	.220	.117	.035	.211	.113	.034	.203	.111	.034	
5.0	.220	.112	.032	.215	.111	.032	.207	.108	.032	.200	.105	.031	.193	.103	.031	
6.0	.206	.103	.030	.202	.102	.029	.195	.100	.029	.188	.098	.029	.182	.096	.028	
7.0	.194	.096	.027	.190	.095	.027	.184	.093	.027	.178	.091	.026	.172	.089	.026	
8.0	.182	.089	.025	.179	.088	.025	.173	.086	.025	.168	.085	.024	.162	.083	.024	
9.0	.171	.083	.023	.169	.082	.023	.163	.081	.023	.158	.079	.023	.154	.078	.023	
10.0	.162	.077	.022	.159	.077	.021	.154	.076	.021	.150	.074	.021	.146	.073	.021	

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	.193	.193	.193	.165	.165	.165	.112	.112	.112	.065	.065	.065	.021	.021	.021	
1.0	.179	.159	.140	.153	.136	.121	.105	.094	.084	.060	.054	.049	.019	.017	.016	
2.0	.170	.134	.104	.145	.115	.090	.100	.080	.063	.057	.046	.037	.018	.015	.012	
3.0	.162	.116	.080	.139	.100	.069	.095	.070	.048	.055	.041	.029	.018	.013	.009	
4.0	.155	.103	.063	.133	.089	.054	.092	.062	.038	.053	.036	.023	.017	.012	.007	
5.0	.148	.092	.051	.127	.080	.044	.088	.056	.031	.051	.033	.019	.016	.011	.006	
6.0	.142	.084	.042	.122	.073	.037	.084	.051	.026	.049	.030	.015	.016	.010	.005	
7.0	.136	.077	.036	.117	.067	.031	.081	.047	.022	.047	.028	.013	.015	.009	.004	
8.0	.130	.071	.031	.112	.062	.027	.077	.043	.019	.045	.026	.012	.015	.008	.004	
9.0	.124	.066	.028	.107	.058	.024	.074	.041	.017	.043	.024	.010	.014	.008	.003	
10.0	.118	.062	.025	.102	.054	.022	.071	.038	.015	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:OUYANG
Test Date:2017-11-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:7.633m [K=1.0402]
Remarks: 3030

UGR(Unified Glare Rating) Table

Test:U:220.2V I:0.4638A P:100.5W PF:0.9842 Lamp Flux:14003.4x1 lm											
NAME: AOK-100WoH					TYPE:LED			WEIGHT:2.9KG			
SPEC.:AOK-100WoH					DIM.: ϕ 0.248*0.138m			SERIAL No.:1			
MFR.: AOK					SUR.: ϕ 0.16m			PROTECTION 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	27.6	29.0	27.8	29.2	29.4	27.5	29.0	27.8	29.2	29.4	
	3H	27.4	28.8	27.7	29.0	29.3	27.4	28.7	27.7	28.9	29.2
	4H	27.3	28.6	27.7	28.9	29.1	27.3	28.5	27.6	28.8	29.1
	6H	27.2	28.4	27.6	28.7	29.0	27.2	28.4	27.5	28.6	28.9
	8H	27.2	28.3	27.5	28.6	28.9	27.1	28.3	27.5	28.6	28.8
12H	27.1	28.2	27.5	28.5	28.8	27.1	28.2	27.4	28.5	28.8	
4H	2H	27.8	29.0	28.1	29.3	29.5	27.7	29.0	28.0	29.2	29.5
	3H	27.7	28.7	28.0	29.0	29.3	27.6	28.7	28.0	29.0	29.3
	4H	27.6	28.6	27.9	28.9	29.2	27.5	28.5	27.9	28.8	29.2
	6H	27.5	28.3	27.9	28.7	29.1	27.4	28.3	27.8	28.6	29.0
	8H	27.4	28.2	27.9	28.6	29.0	27.4	28.2	27.8	28.6	28.9
12H	27.4	28.1	27.8	28.5	28.9	27.3	28.1	27.8	28.5	28.9	
8H	4H	27.4	28.2	27.9	28.6	29.0	27.4	28.2	27.8	28.5	28.9
	6H	27.4	28.0	27.8	28.4	28.8	27.3	28.0	27.8	28.4	28.8
	8H	27.3	27.9	27.8	28.3	28.8	27.3	27.8	27.7	28.3	28.7
	12H	27.3	27.8	27.8	28.2	28.7	27.2	27.7	27.7	28.2	28.7
	12H	4H	27.4	28.1	27.8	28.5	28.9	27.3	28.1	27.8	28.5
6H	27.3	27.9	27.8	28.3	28.8	27.3	27.8	27.7	28.3	28.7	
8H	27.3	27.8	27.8	28.2	28.7	27.2	27.7	27.7	28.2	28.7	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.6 / - 0.5					+ 0.3 / - 0.4					
1.5H	+ 1.9 / - 2.0					+ 1.6 / - 2.3					
2.0H	+ 0.9 / - 2.5					+ 0.9 / - 2.7					

CIE Pub.117 Corrected 14003 lm Total Lamp Luminous Flux.(8log(F/F0) = 9.2)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:OUYANG
Test Date:2017-11-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:7.633m [K=1.0402]
Remarks: 3030

UTILIZATION FACTORS TABLE

Test:U:220.2V I:0.4638A P:100.5W PF:0.9842 Lamp Flux:14003.4x1 lm		
NAME: AOK-100WoH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH	DIM.: $\phi 0.248 \times 0.138\text{m}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16\text{m}$	PROTECTION 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) x RCR = 5									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	68	57	50	67	56	49	66	56	49	42
1.00	78	68	61	77	67	60	75	68	60	53
1.25	86	76	70	84	75	69	82	74	68	61
1.50	91	82	76	89	81	75	86	79	74	67
2.00	98	90	85	96	89	84	93	87	82	75
2.50	101	95	89	99	93	88	96	91	86	79
3.00	105	99	94	103	97	93	99	94	91	83
4.00	108	103	99	106	101	98	102	98	95	86
5.00	110	106	102	108	104	101	103	100	98	89
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:OUYANG
Test Date:2017-11-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:7.633m [K=1.0402]
Remarks: 3030

ISOCANDELA DIAGRAM

Test:U:220.2V I:0.4638A P:100.5W PF:0.9842 Lamp Flux:14003.4x1 lm		
NAME: AOK-100WoH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH	DIM.: ϕ 0.248*0.138m	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16m	PROTECTION ANGLE:

Conical surface Flux(90deg):

7935.4 lm

%lum = 56.7%

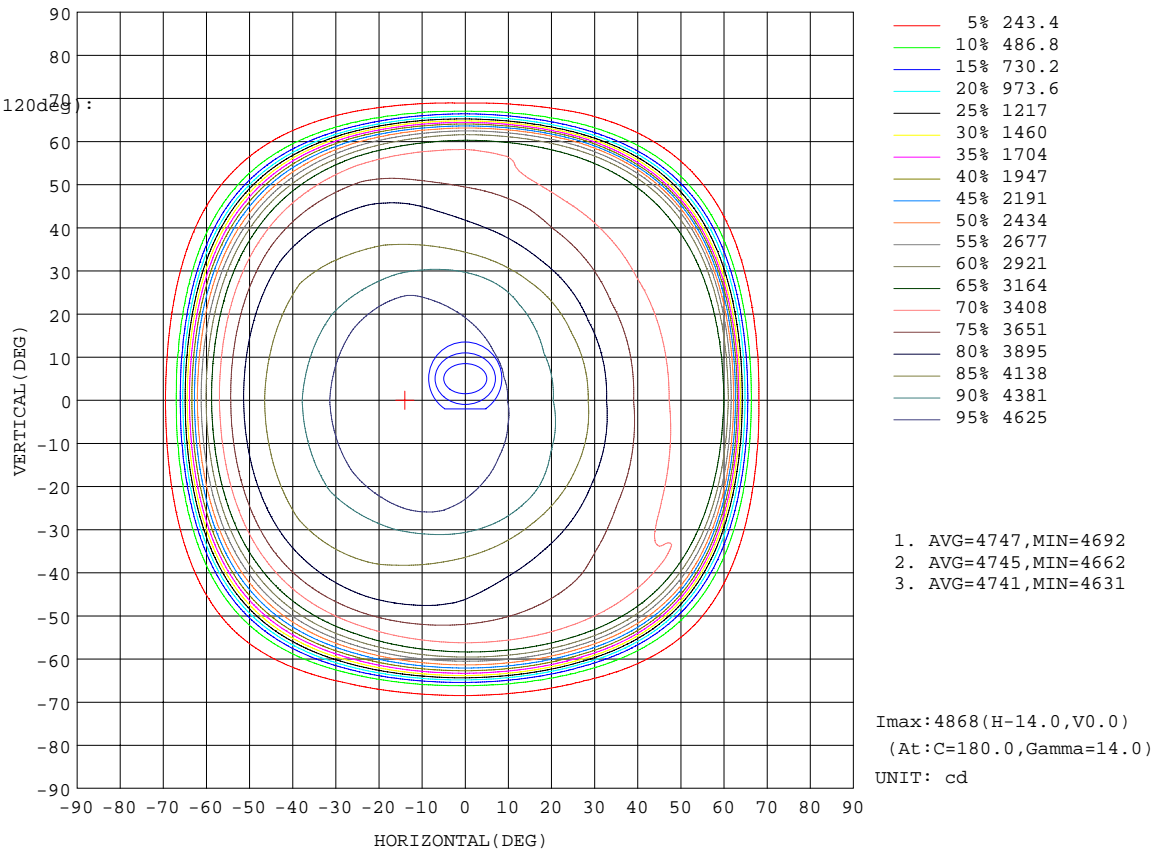
%lamp = 56.7%

Conical surface Flux(120deg):

12545 lm

%lum = 89.6%

%lamp = 89.6%

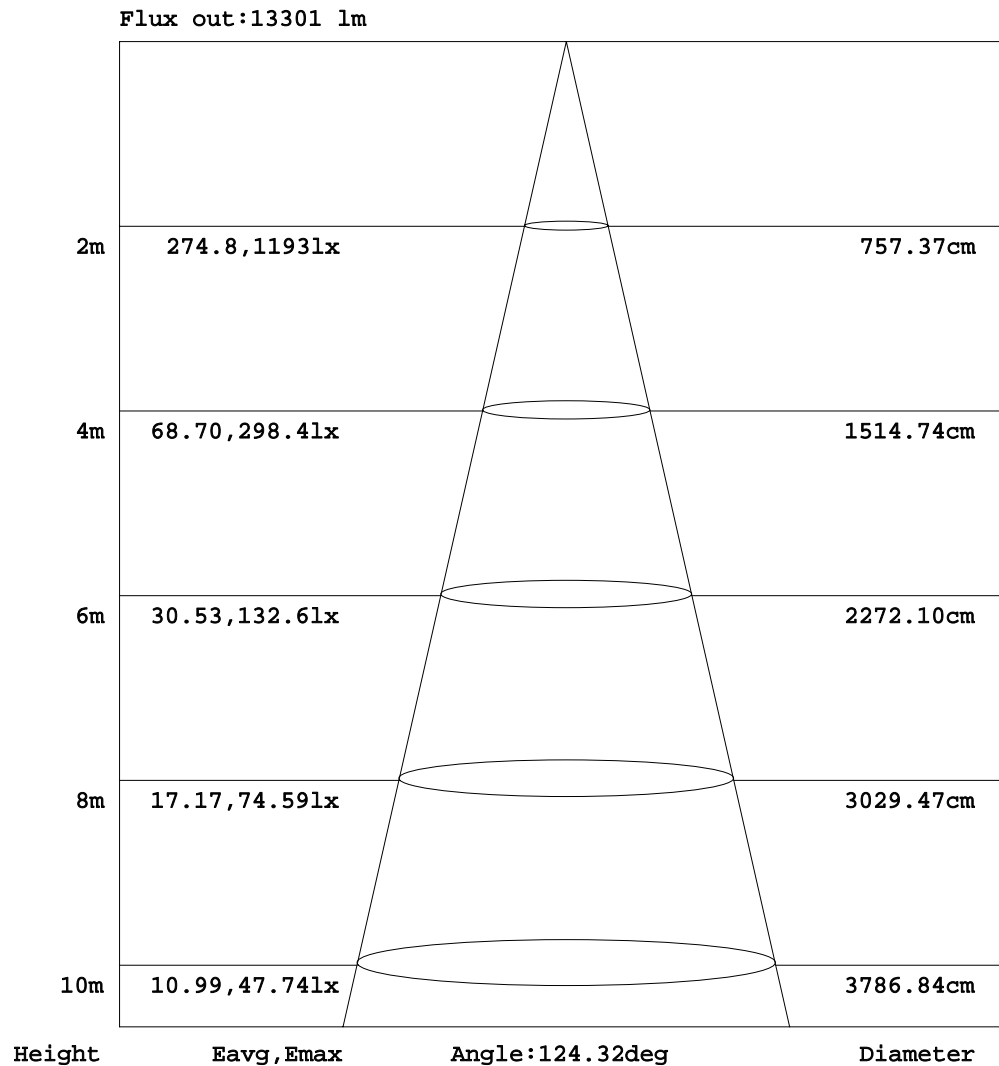


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:OUYANG
Test Date:2017-11-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:7.633m [K=1.0402]
Remarks: 3030

AAI Figure

Test:U:220.2V I:0.4638A P:100.5W PF:0.9842 Lamp Flux:14003.4x1 lm		
NAME: AOK-100WoH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH	DIM.: $\phi 0.248 \times 0.138\text{m}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16\text{m}$	PROTECTION ANGLE:



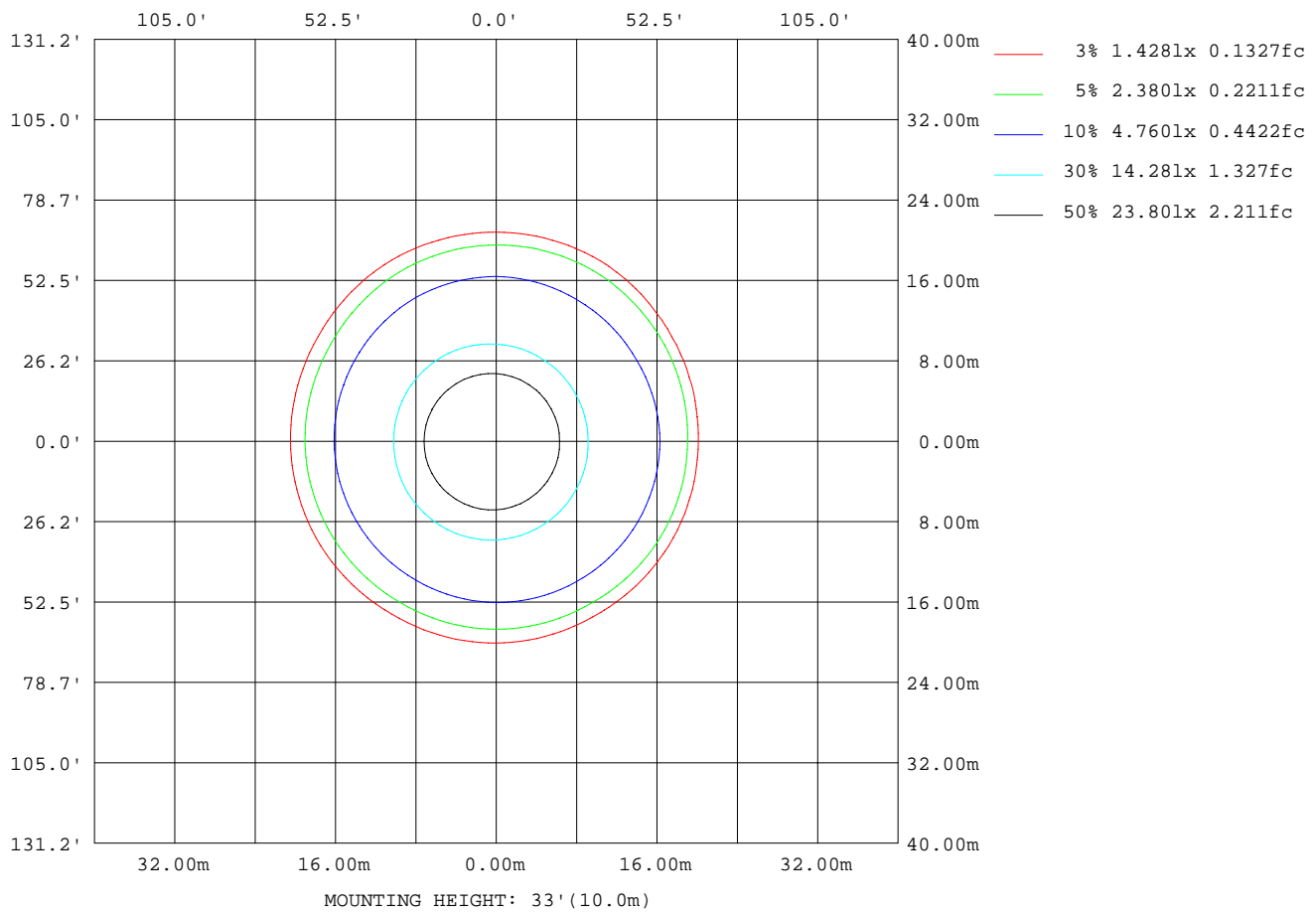
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: OUYANG
 Test Date: 2017-11-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 7.633m [K=1.0402]
 Remarks: 3030

ISOLUX DIAGRAM

Test:U:220.2V I:0.4638A P:100.5W PF:0.9842 Lamp Flux:14003.4x1 lm		
NAME: AOK-100WoH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH	DIM.: $\Phi 0.248 \times 0.138\text{m}$	SERIAL No.:1
MFR.: AOK	SUR.: $\Phi 0.16\text{m}$	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: OUYANG
Test Date: 2017-11-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity: 65.0%
Test Distance: 7.633m [K=1.0402]
Remarks: 3030

LED Avg.L Report

Test:U:220.2V I:0.4638A P:100.5W PF:0.9842 Lamp Flux:14003.4x1 lm		
NAME: AOK-100WoH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH	DIM.: ϕ 0.248*0.138m	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16m	PROTECTION ANGLE:

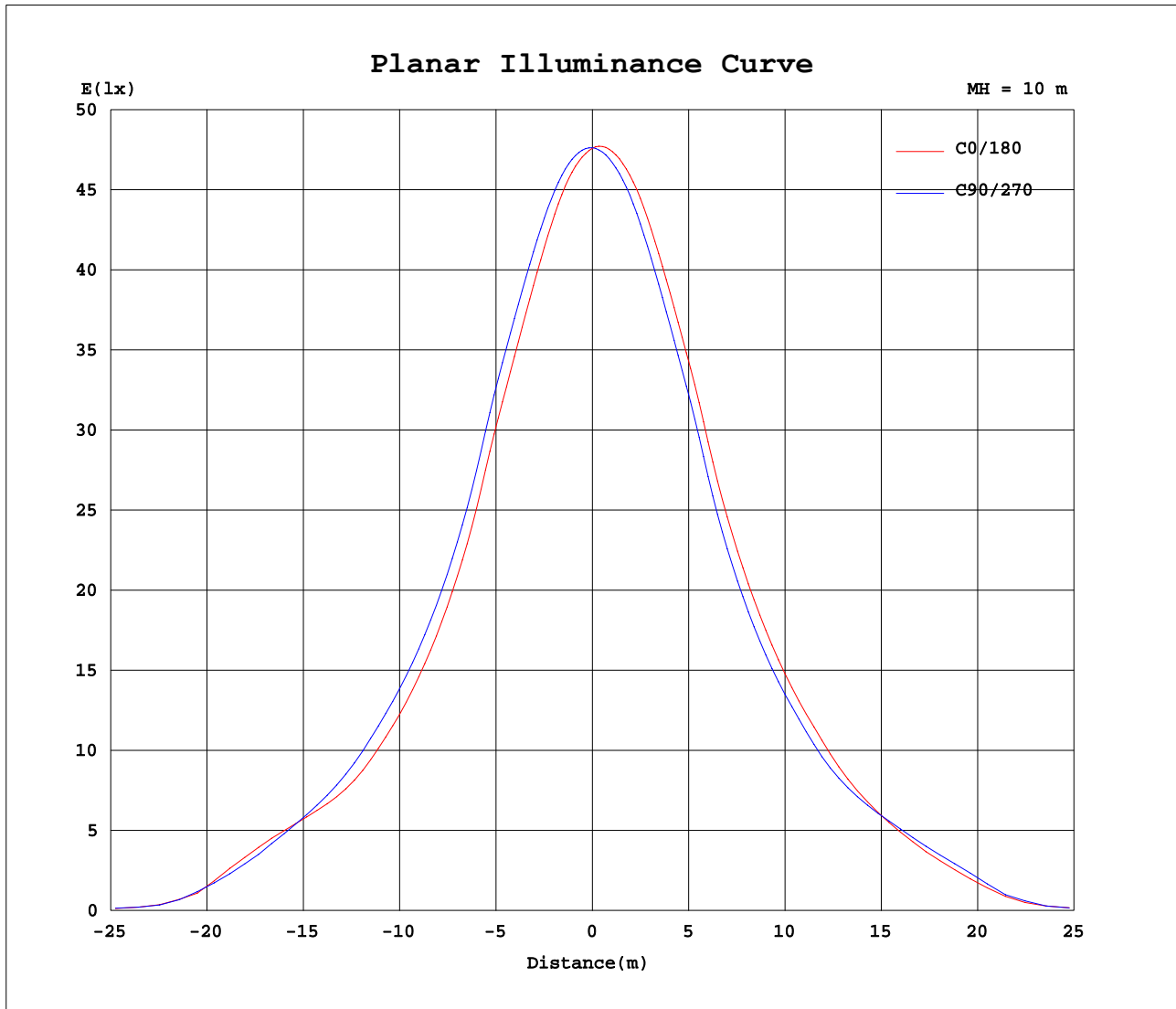
AvgL	cd/m2
L_0~180 (65) av	24899
L_0~180 (75) av	4047
L_0~180 (85) av	932
L_90~270 (65) av	26197
L_90~270 (75) av	3943
L_90~270 (85) av	858
L_45 (65) av	25105
L_45 (75) av	4033
L_45 (85) av	868

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:OUYANG
Test Date:2017-11-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:7.633m [K=1.0402]
Remarks: 3030

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: OUYANG
Test Date: 2017-11-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity: 65.0%
Test Distance: 7.633m [K=1.0402]
Remarks: 3030

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.2V I:0.4638A P:100.5W PF:0.9842 Lamp Flux:14003.4x1 lm		
NAME: AOK-100WoH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH	DIM.: ϕ 0.248*0.138m	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16m	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	4763	4763	4763	4763	4763	4763	4763	4763	4763	4763	4763	4763						
5	4703	4716	4740	4768	4793	4808	4811	4798	4777	4748	4722	4705						
10	4623	4648	4700	4759	4812	4844	4850	4829	4787	4729	4671	4631						
15	4512	4554	4632	4724	4801	4856	4871	4836	4770	4681	4591	4524						
20	4394	4451	4551	4666	4765	4833	4851	4809	4728	4612	4494	4408						
25	4269	4336	4455	4594	4711	4790	4810	4763	4667	4529	4389	4287						
30	4053	4132	4255	4418	4553	4657	4701	4647	4536	4363	4194	4069						
35	3802	3878	4025	4189	4332	4449	4473	4421	4291	4110	3951	3833						
40	3620	3702	3855	4033	4189	4298	4321	4275	4138	3942	3770	3650						
45	3468	3573	3732	3918	4071	4173	4183	4153	4014	3817	3622	3497						
50	3297	3452	3605	3753	3880	3955	4006	4000	3866	3619	3427	3294						
55	3319	3417	3463	3491	3514	3577	3600	3648	3634	3489	3317	3254						
60	3162	3006	2872	2811	2795	2835	2940	3019	3174	3209	3182	3149						
65	922	789	745	905	986	1102	1182	1258	1374	1309	1203	1048						
70	171	172	173	178	186	202	209	204	195	190	193	179						
75	93.3	93.7	94.6	101	110	118	116	112	106	103	103	97.5						
80	32.6	32.9	34.0	39.8	45.8	53.2	53.2	51.3	48.8	44.7	40.0	34.8						
85	0.66	0.72	1.66	5.98	9.68	14.6	15.6	14.3	12.6	8.98	5.69	1.54						
90	0.35	0.35	0.35	0.33	0.36	0.34	0.29	0.30	0.24	0.24	0.21	0.23						
95	0.48	0.48	0.47	0.46	0.46	0.42	0.28	0.27	0.26	0.26	0.27	0.29						
100	1.09	1.10	1.14	1.14	1.13	1.03	0.52	0.50	0.50	0.53	0.54	0.59						
105	2.22	2.25	2.35	2.33	2.30	2.15	1.42	1.36	1.31	1.35	1.37	1.45						
110	3.76	3.80	3.91	3.83	3.76	3.58	2.71	2.66	2.59	2.63	2.66	2.77						
115	5.43	5.50	5.57	5.42	5.28	5.06	4.16	4.14	4.10	4.18	4.23	4.38						
120	7.07	7.11	7.12	6.89	6.68	6.44	5.48	5.51	5.55	5.72	5.83	6.01						
125	8.43	8.42	8.33	8.05	7.78	7.56	6.57	6.65	6.78	7.01	7.19	7.38						
130	9.45	9.39	9.23	8.90	8.56	8.33	7.39	7.50	7.70	8.01	8.26	8.48						
135	10.3	10.2	10.0	9.68	9.33	9.09	8.45	8.56	8.76	9.12	9.39	9.64						
140	10.8	10.8	10.5	10.2	9.81	9.56	9.15	9.29	9.56	9.92	10.2	10.4						
145	11.3	11.2	11.0	10.6	10.3	10.0	9.57	9.73	10.1	10.4	10.8	11.0						
150	11.7	11.6	11.4	11.1	10.8	10.6	10.1	10.2	10.5	10.9	11.2	11.4						
155	12.1	12.0	11.9	11.6	11.3	11.1	10.6	10.7	10.9	11.3	11.6	11.8						
160	12.5	12.5	12.4	12.1	11.9	11.7	11.2	11.3	11.5	11.8	12.1	12.3						
165	12.9	12.9	12.8	12.6	12.4	12.3	11.9	11.9	12.0	12.3	12.5	12.7						
170	13.1	13.2	13.1	13.0	12.9	12.8	12.5	12.5	12.6	12.7	12.9	13.0						
175	13.2	13.2	13.2	13.1	13.1	13.0	12.9	12.9	12.9	13.0	13.1	13.2						
180	13.2	13.2	13.2	13.1	13.2	13.2	13.1	13.2	13.2	13.1	13.2	13.2						

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