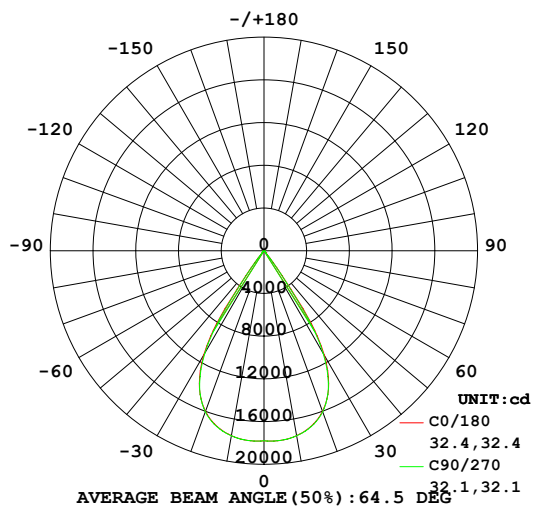


LUMINAIRE PHOTOMETRIC TEST REPORT

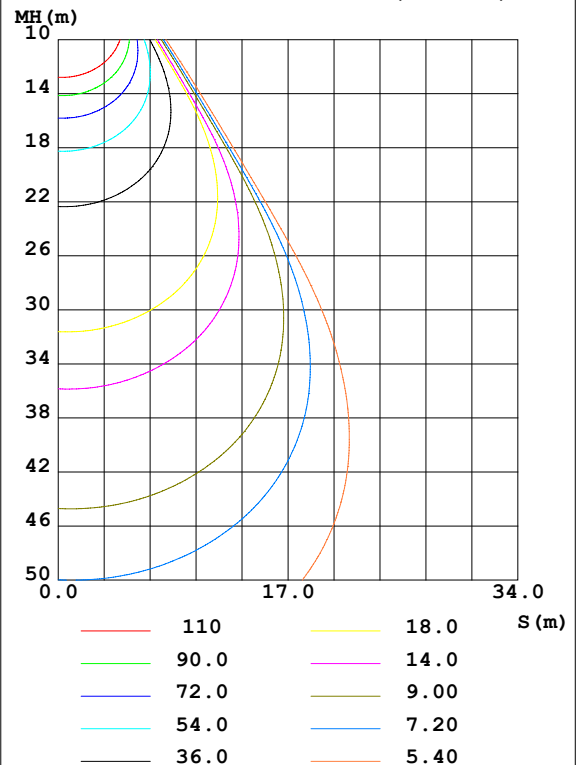
Test:U:220.0V I:0.4883A P:101.2W PF:0.9860 Freq:49.99Hz Lamp Flux:16724.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100W oH	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.14M	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 165.26 lm/W			
MODEL	5050	I _{max} (cd)	17900	S/MH (C0/180)	0.93
NOMINAL POWER (W)	100	LOR (%)	100.0	S/MH (C90/270)	0.92
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	16725	η UP,DN (C0-180)	0.0,50.0
NOMINAL FLUX (lm)	16724.8	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,50.0
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	0.65

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [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	1758	1773	1760	1773	1758	1773	1760	1773	0- 10	1700	1700	10.2,10.2
20	1602	1637	1606	1637	1602	1637	1606	1637	10- 20	4831	6531	39,39
30	1130	1175	1111	1175	1130	1175	1111	1175	20- 30	6583	13114	78.4,78.4
40	45.72	47.23	41.19	47.23	45.72	47.23	41.19	47.23	30- 40	3135	16249	97.2,97.2
50	18.54	18.52	18.09	18.52	18.54	18.52	18.09	18.52	40- 50	183.8	16433	98.3,98.3
60	12.45	12.21	12.33	12.21	12.45	12.21	12.33	12.21	50- 60	136.3	16569	99.1,99.1
70	7.610	7.496	7.508	7.496	7.610	7.496	7.508	7.496	60- 70	99.10	16668	99.7,99.7
80	2.017	1.943	1.608	1.943	2.017	1.943	1.608	1.943	70- 80	51.71	16720	100,100
90	0	0	0	0	0	0	0	0	80- 90	4.944	16725	100,100
100	0	0	0	0	0	0	0	0	90-100	0	16725	100,100
110	0	0	0	0	0	0	0	0	100-110	0	16725	100,100
120	0	0	0	0	0	0	0	0	110-120	0	16725	100,100
130	0	0	0	0	0	0	0	0	120-130	0	16725	100,100
140	0	0	0	0	0	0	0	0	130-140	0	16725	100,100
150	0	0	0	0	0	0	0	0	140-150	0	16725	100,100
160	0	0	0	0	0	0	0	0	150-160	0	16725	100,100
170	0	0	0	0	0	0	0	0	160-170	0	16725	100,100
180	0	0	0	0	0	0	0	0	170-180	0	16725	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 16351 lm

%lum = 97.8%

%lamp = 97.8%

Conical surface Flux(120deg): 16569 lm

%lum = 99.1%

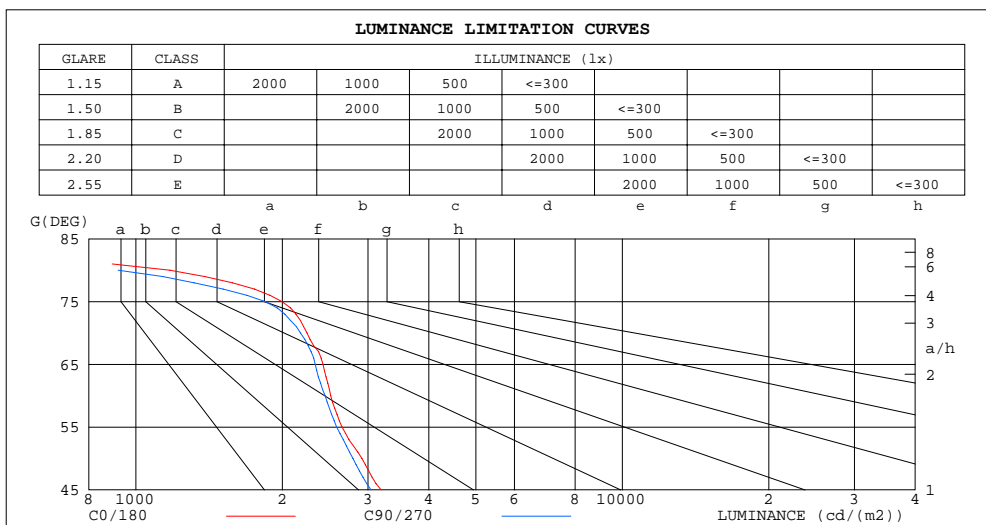
%lamp = 99.1%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-12-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.633m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.0V I:0.4883A P:101.2W PF:0.9860 Freq:49.99Hz Lamp Flux:16724.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100W oH	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.14M	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	344	262
80	1174	919
75	1996	1844
70	2249	2179
65	2425	2336
60	2516	2448
55	2654	2587
50	2915	2794
45	3192	3043

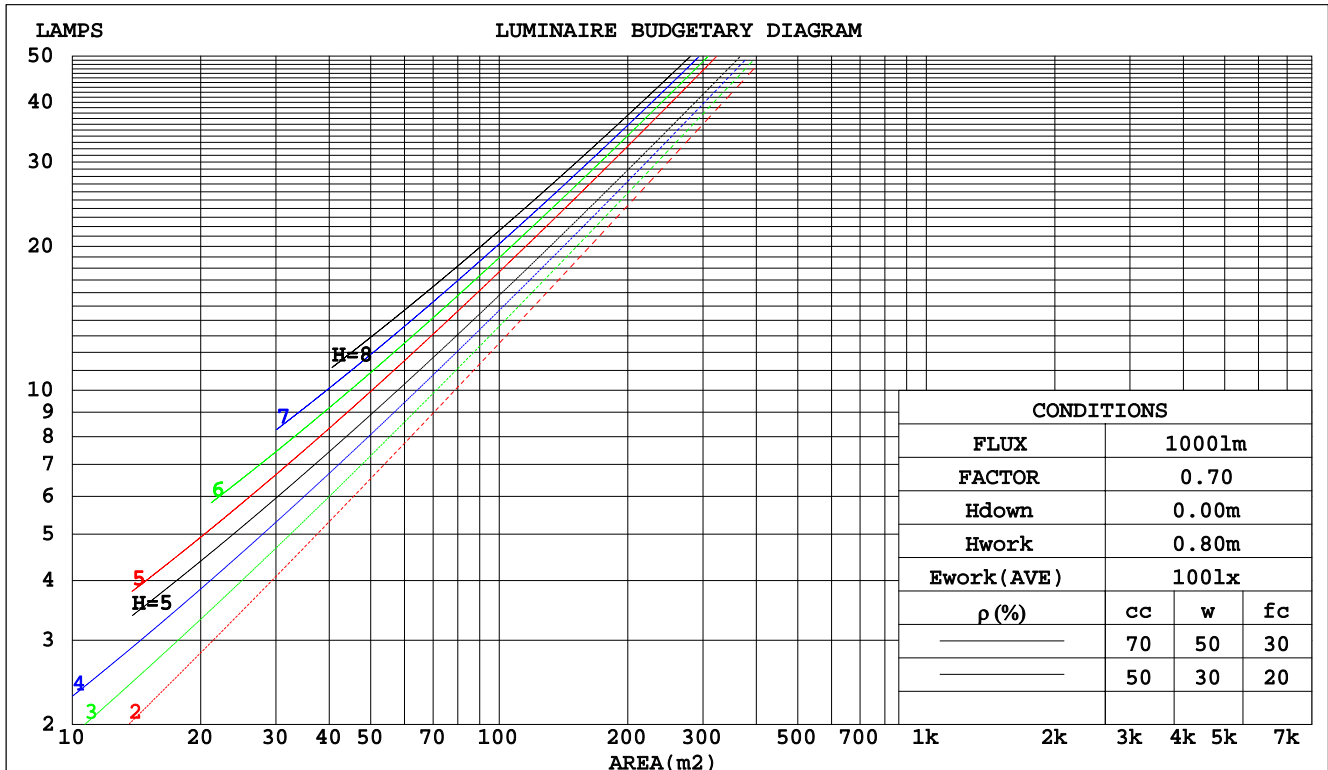
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.0V I:0.4883A P:101.2W PF:0.9860 Freq:49.99Hz Lamp Flux:16724.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100W oH	DIM.: $\phi 0.248 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.14\text{M}$	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						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	1.06	1.09	1.07	1.05	1.05	1.03	1.01	1.01	.00	.98	.98	.97	.96	.94
2.0	1.04	.00	.96	1.02	.98	.95	.99	.96	.93	.96	.93	.91	.93	.91	.89	.88
3.0	.97	.92	.88	.95	.91	.87	.93	.89	.86	.90	.87	.85	.88	.86	.83	.82
4.0	.91	.85	.81	.90	.85	.81	.87	.83	.80	.86	.82	.79	.84	.81	.78	.77
5.0	.85	.80	.75	.84	.79	.75	.83	.78	.74	.81	.77	.74	.79	.76	.73	.72
6.0	.80	.74	.70	.79	.74	.70	.78	.73	.70	.77	.72	.69	.75	.72	.69	.67
7.0	.76	.70	.66	.75	.69	.66	.74	.69	.65	.73	.68	.65	.71	.68	.65	.63
8.0	.71	.66	.62	.71	.65	.62	.70	.65	.61	.69	.64	.61	.68	.64	.61	.59
9.0	.68	.62	.58	.67	.62	.58	.66	.61	.58	.65	.61	.57	.64	.60	.57	.56
10.0	.64	.58	.55	.64	.58	.55	.63	.58	.54	.62	.57	.54	.61	.57	.54	.53



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-12-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.633m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:220.0V I:0.4883A P:101.2W PF:0.9860 Freq:49.99Hz Lamp Flux:16724.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100W oH	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.14M	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	.174	.099	.031	.168	.096	.030	.155	.089	.028	.144	.083	.027	.133	.077	.025		
2.0	.166	.091	.028	.161	.089	.027	.150	.084	.026	.140	.079	.025	.131	.074	.023		
3.0	.158	.084	.025	.153	.082	.025	.144	.078	.024	.136	.075	.023	.128	.071	.022		
4.0	.151	.078	.023	.146	.077	.023	.139	.074	.022	.131	.071	.021	.125	.068	.021		
5.0	.144	.073	.021	.140	.072	.021	.133	.069	.020	.127	.067	.020	.121	.065	.019		
6.0	.137	.069	.020	.134	.068	.019	.128	.066	.019	.123	.064	.019	.117	.062	.018		
7.0	.131	.065	.018	.128	.064	.018	.123	.062	.018	.118	.061	.018	.114	.059	.017		
8.0	.126	.061	.017	.123	.061	.017	.119	.059	.017	.114	.058	.017	.110	.057	.016		
9.0	.121	.058	.016	.119	.058	.016	.114	.057	.016	.110	.055	.016	.107	.054	.016		
10.0	.116	.056	.015	.114	.055	.015	.110	.054	.015	.107	.053	.015	.103	.052	.015		

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	.086	.058	.054	.050	.018	.017	.016	
2.0	.156	.133	.113	.133	.114	.098	.091	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.143	.114	.090	.123	.098	.078	.084	.068	.055	.049	.040	.032	.016	.013	.011	
4.0	.133	.099	.073	.114	.085	.063	.078	.059	.045	.045	.035	.026	.015	.011	.009	
5.0	.124	.087	.060	.106	.075	.052	.073	.053	.037	.042	.031	.022	.014	.010	.007	
6.0	.116	.078	.050	.100	.067	.044	.069	.047	.031	.040	.028	.018	.013	.009	.006	
7.0	.110	.070	.042	.095	.061	.037	.065	.043	.026	.038	.025	.016	.012	.008	.005	
8.0	.104	.064	.036	.090	.056	.032	.062	.039	.022	.036	.023	.013	.012	.008	.004	
9.0	.099	.059	.031	.086	.051	.027	.059	.036	.019	.035	.021	.012	.011	.007	.004	
10.0	.095	.054	.028	.082	.047	.024	.057	.033	.017	.033	.020	.010	.011	.006	.003	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.0V I:0.4883A P:101.2W PF:0.9860 Freq:49.99Hz Lamp Flux:16724.8x1 lm											
NAME: AOK oH					TYPE:LED			WEIGHT:2.9KG			
SPEC.:AOK-100W oH					DIM.: ϕ 0.248*0.138M			SERIAL No.:1			
MFR.: AOK					SUR.: ϕ 0.14M			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		8.2	9.1	8.4	9.3	9.5	7.7	8.6	7.9	8.8	9.0
3H		8.1	9.0	8.4	9.2	9.4	7.6	8.5	7.9	8.7	8.9
4H		8.1	8.9	8.3	9.1	9.3	7.6	8.4	7.8	8.6	8.8
6H		8.0	8.7	8.3	9.0	9.2	7.5	8.3	7.8	8.5	8.7
8H		7.9	8.7	8.3	8.9	9.2	7.5	8.2	7.8	8.4	8.7
12H		7.9	8.6	8.2	8.9	9.1	7.4	8.1	7.7	8.4	8.6
4H	2H	8.0	8.8	8.3	9.0	9.2	7.5	8.3	7.8	8.5	8.7
	3H	7.9	8.6	8.2	8.9	9.1	7.4	8.1	7.7	8.4	8.7
	4H	7.9	8.5	8.2	8.8	9.1	7.4	8.0	7.7	8.3	8.6
	6H	7.8	8.4	8.2	8.7	9.0	7.3	7.9	7.7	8.2	8.5
	8H	7.8	8.3	8.1	8.6	9.0	7.3	7.8	7.7	8.1	8.5
	12H	7.7	8.2	8.1	8.5	8.9	7.2	7.7	7.6	8.1	8.4
8H	4H	7.7	8.3	8.1	8.6	9.0	7.3	7.8	7.7	8.1	8.5
	6H	7.7	8.1	8.1	8.5	8.9	7.2	7.6	7.6	8.0	8.4
	8H	7.6	8.0	8.1	8.4	8.9	7.2	7.5	7.6	7.9	8.4
	12H	7.6	7.9	8.0	8.3	8.8	7.1	7.4	7.6	7.9	8.3
12H	4H	7.7	8.2	8.1	8.5	8.9	7.2	7.7	7.6	8.1	8.5
	6H	7.6	8.0	8.1	8.4	8.9	7.2	7.5	7.6	7.9	8.4
	8H	7.6	7.9	8.0	8.3	8.8	7.1	7.4	7.6	7.9	8.3
Variations with the observer position at spacings:											
S = 1.0H		+ 3.7 / - 3.0				+ 3.4 / - 2.3					
1.5H		+ 6.1 / - 2.8				+ 5.6 / - 2.1					
2.0H		+ 0.4 / - 0.4				+ 0.3 / - 0.5					

CIE Pub.117, 16725 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 9.8$)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.0V I:0.4883A P:101.2W PF:0.9860 Freq:49.99Hz Lamp Flux:16724.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100W oH	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.14M$	Shielding Angle:

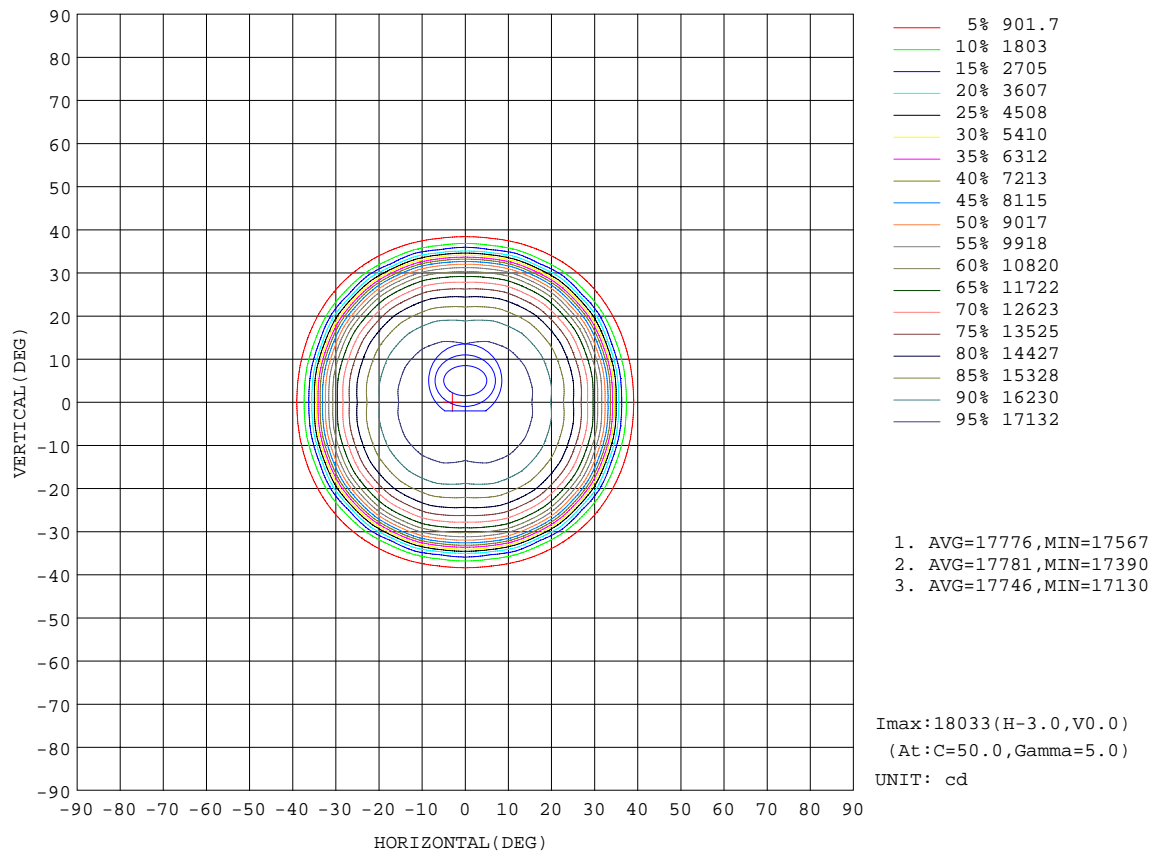
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	90	84	80	89	84	80	89	83	80	77
0.80	97	91	88	96	91	88	95	91	87	84
1.00	101	96	92	100	95	92	98	95	91	88
1.25	104	100	96	103	99	96	102	98	95	91
1.50	107	103	99	106	102	99	104	100	98	94
2.00	109	105	102	108	104	102	105	102	100	95
2.50	111	107	104	109	106	104	106	104	102	96
3.00	112	109	107	111	108	105	107	105	103	97
4.00	114	112	110	112	110	108	109	107	106	99
5.00	115	113	112	113	112	110	109	108	107	100
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.0V I:0.4883A P:101.2W PF:0.9860 Freq:49.99Hz Lamp Flux:16724.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100W oH	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.14M	Shielding Angle:



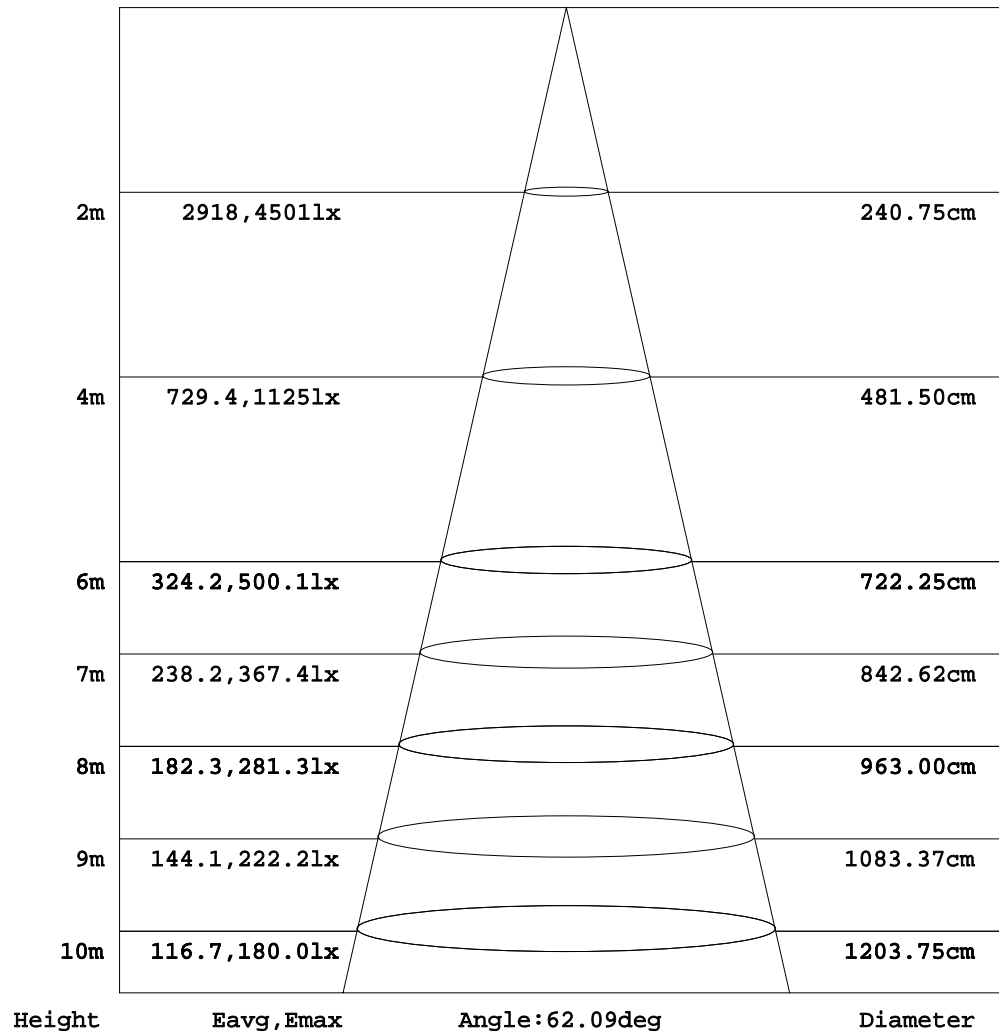
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-12-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.633m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.0V I:0.4883A P:101.2W PF:0.9860 Freq:49.99Hz Lamp Flux:16724.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100W oH	DIM.: $\phi 0.248 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.14\text{M}$	Shielding Angle:

Flux out:14315 lm



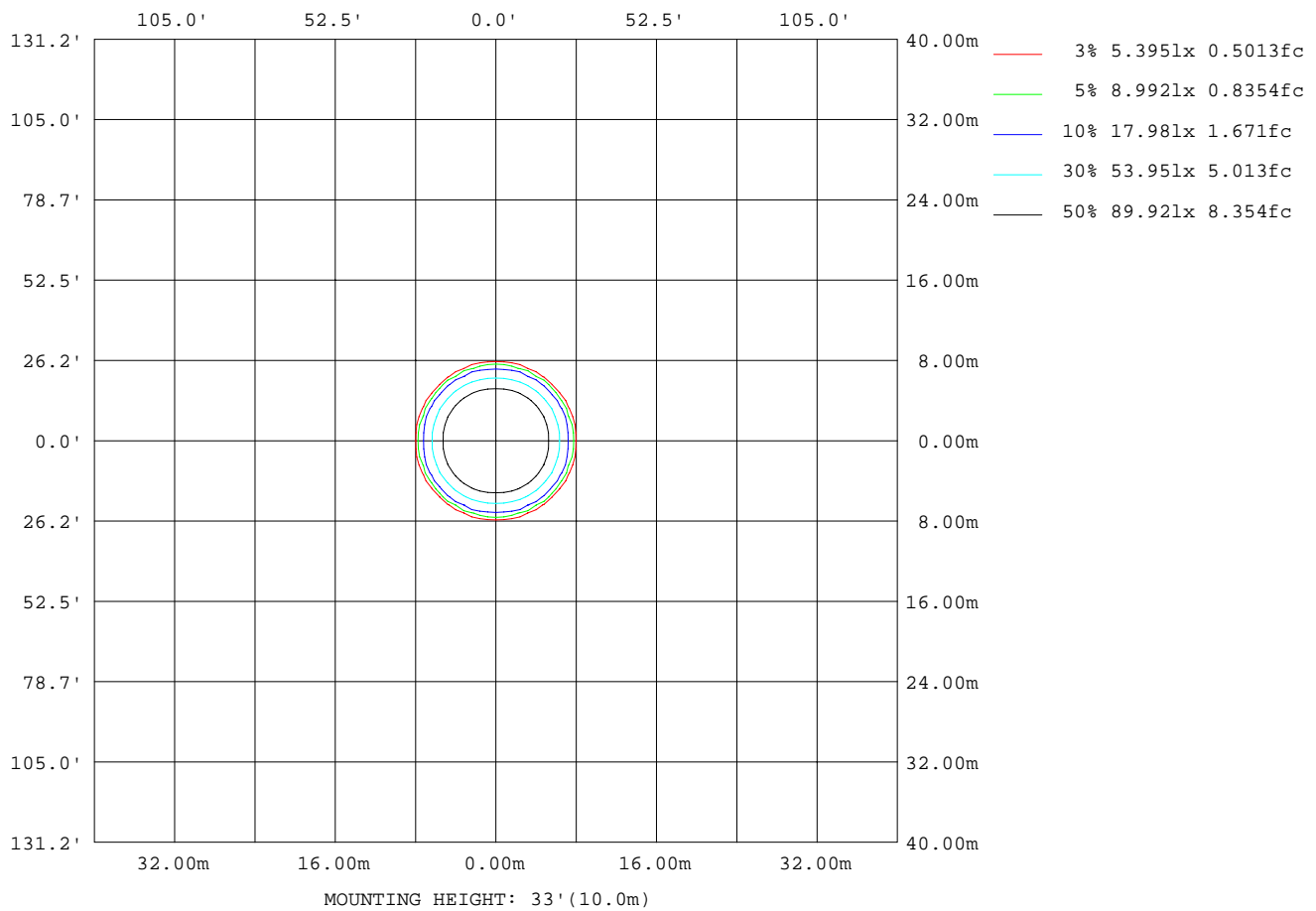
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2017-12-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 7.633m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:220.0V I:0.4883A P:101.2W PF:0.9860 Freq:49.99Hz Lamp Flux:16724.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100W oH	DIM.: Φ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: Φ 0.14M	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-12-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.633m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:220.0V I:0.4883A P:101.2W PF:0.9860 Freq:49.99Hz Lamp Flux:16724.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100W oH	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.14M	Shielding Angle:

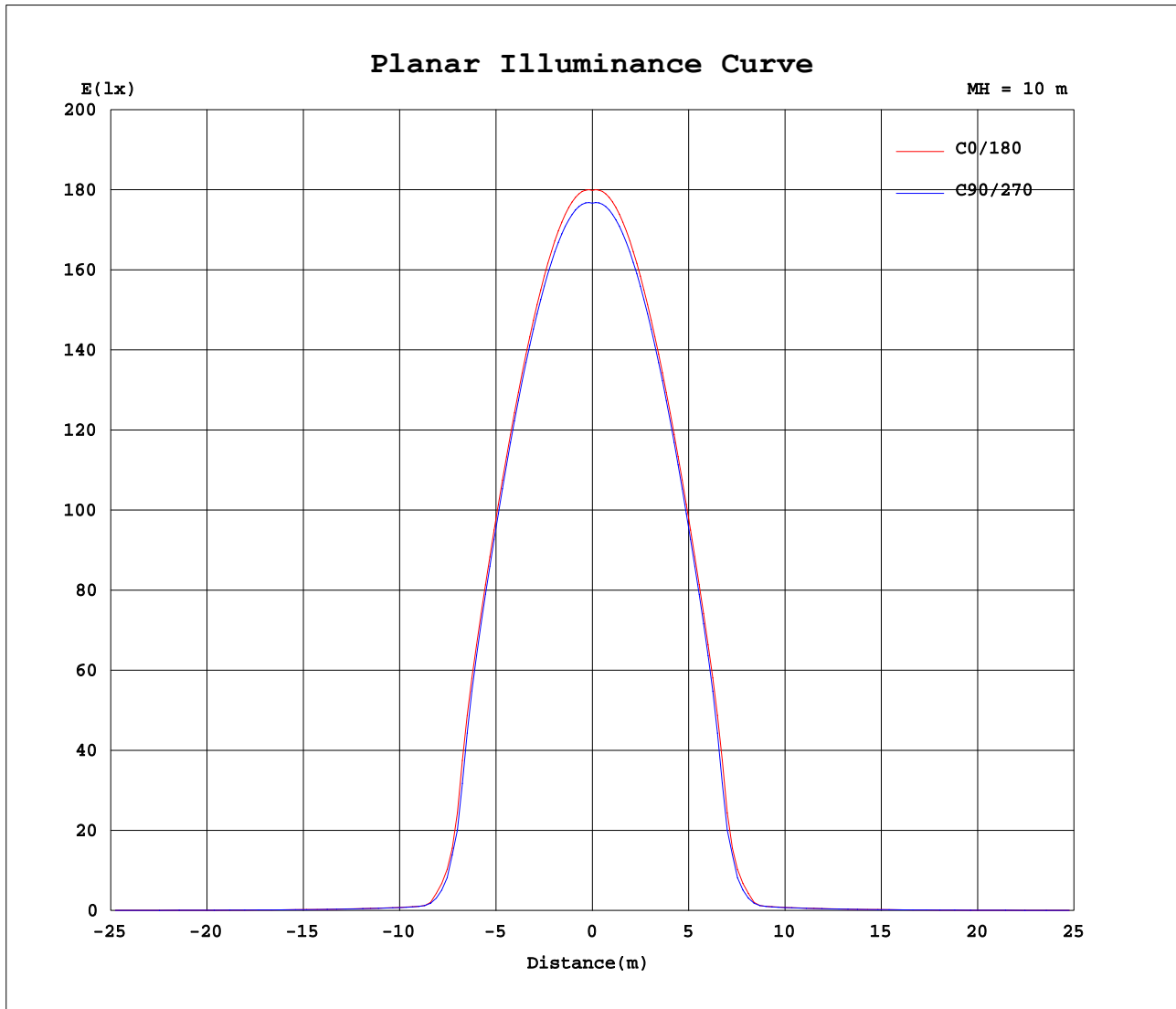
AvgL	cd/m2
L_0~180 (65) av	2399
L_0~180 (75) av	1975
L_0~180 (85) av	341
L_90~270 (65) av	2353
L_90~270 (75) av	1857
L_90~270 (85) av	264
L_45 (65) av	2300
L_45 (75) av	1951
L_45 (85) av	348

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-12-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.633m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.4883A P:101.2W PF:0.9860 Freq:49.99Hz Lamp Flux:16724.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100W oH	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.14M	Shielding Angle:

Table--1

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

C (DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	1780	1780	1780	1780	1780	1780	1780	1780	1780	1780	1780	1780	1780	1780	1780	1780	1780	1780	1780
5	1783	1786	1788	1790	1790	1790	1788	1788	1785	1783	1785	1788	1788	1790	1790	1790	1788	1786	1783
10	1758	1766	1769	1773	1773	1774	1771	1769	1764	1760	1764	1769	1771	1774	1773	1773	1769	1766	1758
15	1702	1714	1718	1725	1725	1727	1723	1721	1712	1706	1712	1721	1723	1727	1725	1725	1718	1714	1702
20	1602	1619	1626	1636	1636	1639	1632	1629	1616	1606	1616	1629	1632	1639	1636	1636	1626	1619	1602
25	1429	1454	1462	1476	1474	1477	1465	1460	1439	1425	1439	1460	1465	1477	1474	1476	1462	1454	1429
30	1130	1160	1165	1181	1172	1178	1159	1155	1126	1111	1126	1155	1159	1178	1172	1181	1165	1160	1130
35	439	480	460	489	452	466	419	422	373	369	373	422	419	466	452	489	460	480	439
40	45.7	49.7	46.4	49.8	46.3	48.2	44.2	45.6	41.3	41.2	41.3	45.6	44.2	48.2	46.3	49.8	46.4	49.7	45.7
45	22.3	22.6	22.4	22.6	22.4	22.5	22.2	22.2	21.8	21.7	21.8	22.2	22.2	22.5	22.4	22.6	22.4	22.6	22.3
50	18.5	18.5	18.5	18.6	18.5	18.5	18.5	18.4	18.2	18.1	18.2	18.4	18.5	18.5	18.5	18.6	18.5	18.5	18.5
55	15.1	15.2	15.1	15.3	15.0	15.2	15.2	15.2	15.0	14.9	15.0	15.2	15.2	15.2	15.0	15.3	15.1	15.2	15.1
60	12.4	12.5	12.1	12.6	12.1	12.3	12.5	12.6	12.3	12.3	12.3	12.6	12.5	12.3	12.1	12.6	12.1	12.5	12.4
65	10.1	10.2	9.79	10.2	9.64	9.92	10.2	10.3	9.93	9.94	9.93	10.3	10.2	9.92	9.64	10.2	9.79	10.2	10.1
70	7.61	7.82	7.48	7.78	7.40	7.59	7.79	7.68	7.52	7.51	7.52	7.68	7.79	7.59	7.40	7.78	7.48	7.82	7.61
75	5.11	5.31	4.96	5.21	4.99	5.13	5.06	5.00	4.89	4.81	4.89	5.00	5.06	5.13	4.99	5.21	4.96	5.31	5.11
80	2.02	2.15	1.93	1.98	1.91	1.98	1.83	1.77	1.59	1.61	1.59	1.77	1.83	1.98	1.91	1.98	1.93	2.15	2.02
85	0.30	0.31	0.30	0.31	0.30	0.31	0.28	0.27	0.24	0.23	0.24	0.27	0.28	0.31	0.30	0.31	0.30	0.31	0.30
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: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.4883A P:101.2W PF:0.9860 Freq:49.99Hz Lamp Flux:16724.8x1 lm																	
NAME: AOK oH									TYPE:LED						WEIGHT:2.9KG		
SPEC.:AOK-100W oH									DIM.: ϕ 0.248*0.138M						SERIAL No.:1		
MFR.: AOK									SUR.: ϕ 0.14M						Shielding Angle:		

Table--2

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

C (DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	1780	1780	1780	1780	1780	1780	1780	1780	1780	1780	1780	1780	1780	1780	1780	1780	1780		
5	1786	1788	1790	1790	1790	1788	1788	1785	1783	1785	1788	1788	1790	1790	1790	1788	1786		
10	1766	1769	1773	1773	1774	1771	1769	1764	1760	1764	1769	1771	1774	1773	1773	1769	1766		
15	1714	1718	1725	1725	1727	1723	1721	1712	1706	1712	1721	1723	1727	1725	1725	1718	1714		
20	1619	1626	1636	1636	1639	1632	1629	1616	1606	1616	1629	1632	1639	1636	1636	1626	1619		
25	1454	1462	1476	1474	1477	1465	1460	1439	1425	1439	1460	1465	1477	1474	1476	1462	1454		
30	1160	1165	1181	1172	1178	1159	1155	1126	1111	1126	1155	1159	1178	1172	1181	1165	1160		
35	480	460	489	452	466	419	422	373	369	373	422	419	466	452	489	460	480		
40	49.7	46.4	49.8	46.3	48.2	44.2	45.6	41.3	41.2	41.3	45.6	44.2	48.2	46.3	49.8	46.4	49.7		
45	22.6	22.4	22.6	22.4	22.5	22.2	22.2	21.8	21.7	21.8	22.2	22.2	22.5	22.4	22.6	22.4	22.6		
50	18.5	18.5	18.6	18.5	18.5	18.5	18.4	18.2	18.1	18.2	18.4	18.5	18.5	18.5	18.6	18.5	18.5		
55	15.2	15.1	15.3	15.0	15.2	15.2	15.2	15.0	14.9	15.0	15.2	15.2	15.2	15.0	15.3	15.1	15.2		
60	12.5	12.1	12.6	12.1	12.3	12.5	12.6	12.3	12.3	12.3	12.6	12.5	12.3	12.1	12.6	12.1	12.5		
65	10.2	9.79	10.2	9.64	9.92	10.2	10.3	9.93	9.94	9.93	10.3	10.2	9.92	9.64	10.2	9.79	10.2		
70	7.82	7.48	7.78	7.40	7.59	7.79	7.68	7.52	7.51	7.52	7.68	7.79	7.59	7.40	7.78	7.48	7.82		
75	5.31	4.96	5.21	4.99	5.13	5.06	5.00	4.89	4.81	4.89	5.00	5.06	5.13	4.99	5.21	4.96	5.31		
80	2.15	1.93	1.98	1.91	1.98	1.83	1.77	1.59	1.61	1.59	1.77	1.83	1.98	1.91	1.98	1.93	2.15		
85	0.31	0.30	0.31	0.30	0.31	0.28	0.27	0.24	0.23	0.24	0.27	0.28	0.31	0.30	0.31	0.30	0.31		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-12-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.633m [K=1.0000]
 Remarks: