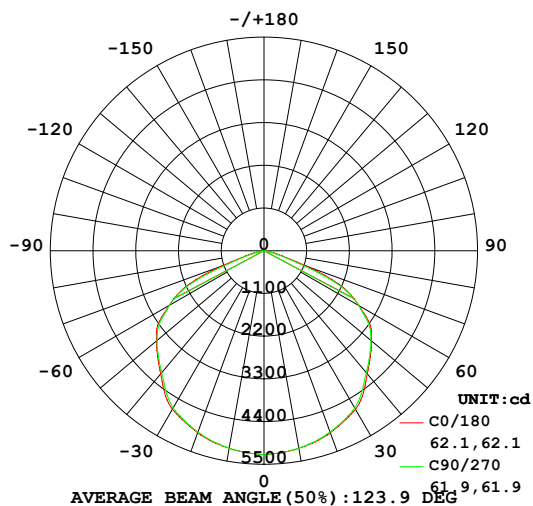


LUMINAIRE PHOTOMETRIC TEST REPORT

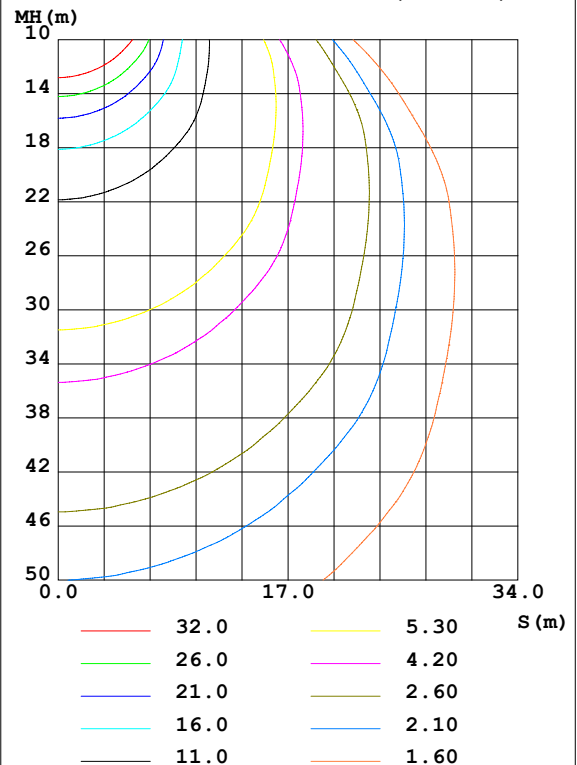
Test:U:220.0V I:0.4894A P:101.5W PF:0.9857 Freq:49.99Hz Lamp Flux:15362.4x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH	DIM.: $\phi 0.248 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16\text{M}$	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 151.35 lm/W			
MODEL	5050	I _{max} (cd)	5246	S/MH (C0/180)	1.33
NOMINAL POWER (W)	100	LOR (%)	100.0	S/MH (C90/270)	1.32
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	15362	η UP, DN (C0-180)	0.0, 50.0
NOMINAL FLUX (lm)	15362.4	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 50.0
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: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2017-12-26

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=0.9878]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	5165	5155	5163	5155	5165	5155	5163	5155	0- 10	496.0	496.0	3.23,3.23
20	4991	4942	4970	4942	4991	4942	4970	4942	10- 20	1433	1929	12.6,12.6
30	4716	4636	4678	4636	4716	4636	4678	4636	20- 30	2222	4151	27,27
40	4138	4041	4097	4041	4138	4041	4097	4041	30- 40	2746	6897	44.9,44.9
50	3614	3548	3598	3548	3614	3548	3598	3548	40- 50	2945	9842	64.1,64.1
60	2821	2838	2814	2838	2821	2838	2814	2838	50- 60	2904	12746	83,83
70	1176	1132	940.8	1132	1176	1132	940.8	1132	60- 70	2119	14865	96.8,96.8
80	115.8	107.9	83.21	107.9	115.8	107.9	83.21	107.9	70- 80	469.4	15334	99.8,99.8
90	0	0	0	0	0	0	0	0	80- 90	28.20	15362	100,100
100	0	0	0	0	0	0	0	0	90-100	0	15362	100,100
110	0	0	0	0	0	0	0	0	100-110	0	15362	100,100
120	0	0	0	0	0	0	0	0	110-120	0	15362	100,100
130	0	0	0	0	0	0	0	0	120-130	0	15362	100,100
140	0	0	0	0	0	0	0	0	130-140	0	15362	100,100
150	0	0	0	0	0	0	0	0	140-150	0	15362	100,100
160	0	0	0	0	0	0	0	0	150-160	0	15362	100,100
170	0	0	0	0	0	0	0	0	160-170	0	15362	100,100
180	0	0	0	0	0	0	0	0	170-180	0	15362	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 8354.8 lm

%lum = 54.4%

%lamp = 54.4%

Conical surface Flux(120deg): 12746 lm

%lum = 83.0%

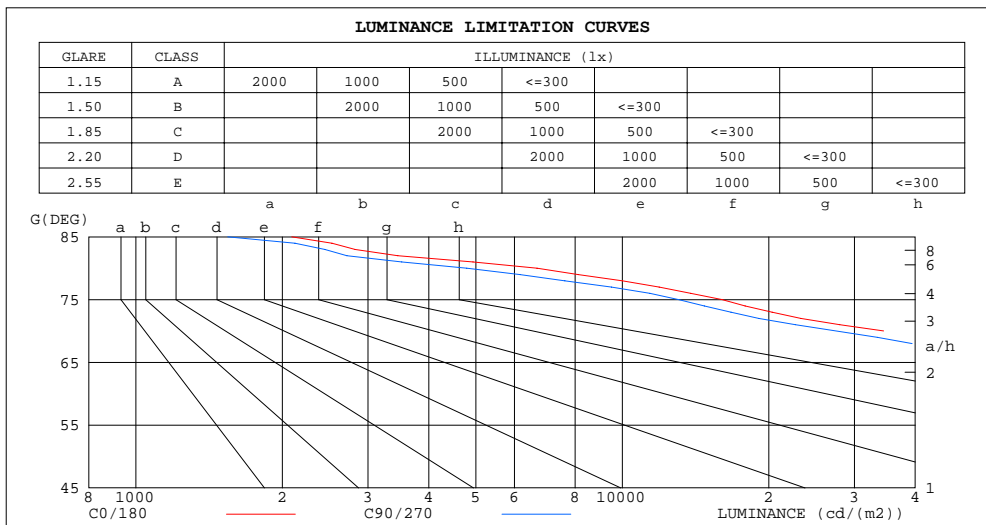
%lamp = 83.0%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-12-26

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=0.9878]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.0V I:0.4894A P:101.5W PF:0.9857 Freq:49.99Hz Lamp Flux:15362.4x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH	DIM.: $\phi 0.248 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16\text{M}$	Shielding Angle:



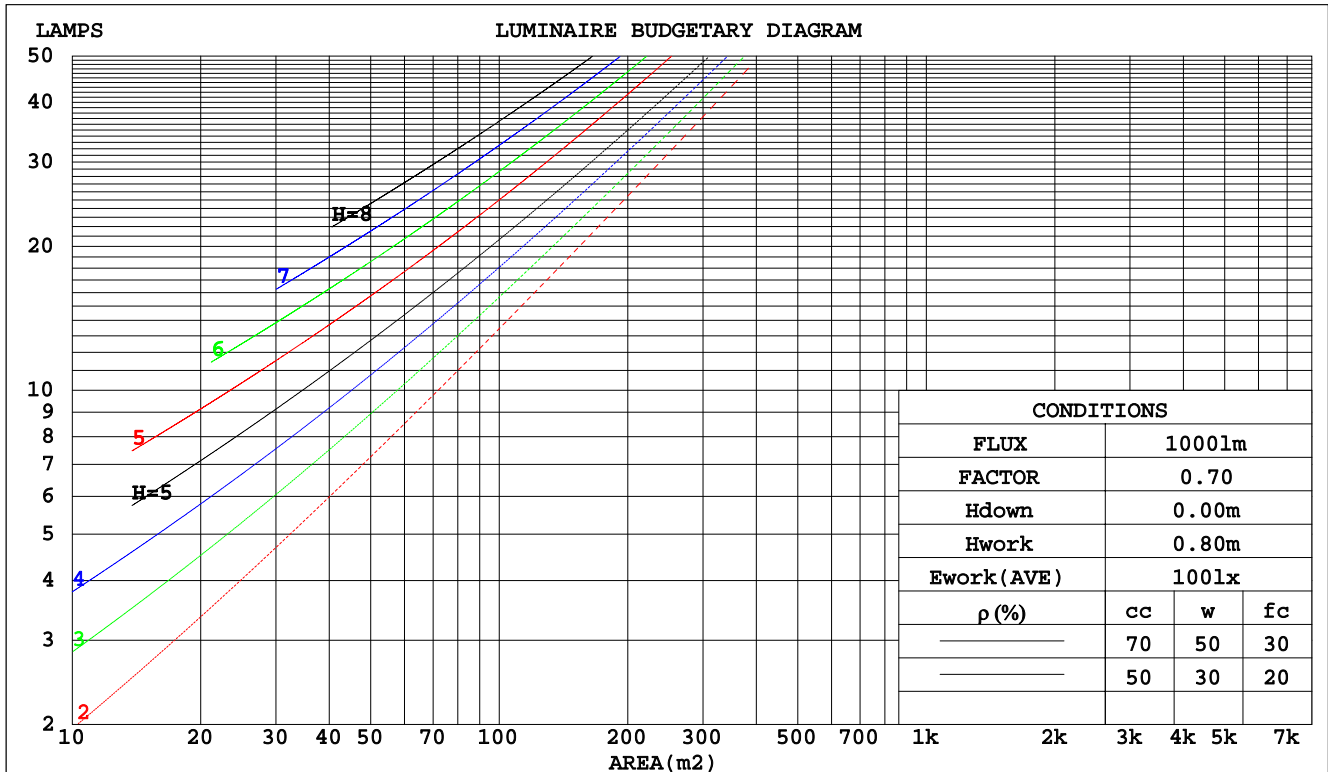
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-26

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=0.9878]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.0V I:0.4894A P:101.5W PF:0.9857 Freq:49.99Hz Lamp Flux:15362.4x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH	DIM.: $\phi 0.248 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16\text{M}$	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	1.05	1.02	.98	1.03	.90	.96	.99	.96	.93	.95	.93	.91	.92	.90	.88	.86
2.0	.92	.86	.80	.90	.85	.79	.87	.82	.78	.84	.80	.76	.81	.77	.74	.72
3.0	.81	.73	.67	.79	.72	.66	.77	.70	.65	.74	.68	.64	.71	.67	.63	.61
4.0	.72	.63	.56	.70	.62	.56	.68	.61	.55	.65	.59	.54	.63	.58	.54	.52
5.0	.64	.55	.48	.63	.54	.48	.61	.53	.48	.59	.52	.47	.57	.51	.46	.44
6.0	.57	.48	.42	.56	.48	.42	.54	.47	.41	.53	.46	.41	.51	.45	.41	.39
7.0	.52	.43	.37	.51	.43	.37	.49	.42	.36	.48	.41	.36	.47	.41	.36	.34
8.0	.47	.39	.33	.46	.38	.33	.45	.38	.32	.44	.37	.32	.43	.37	.32	.30
9.0	.43	.35	.29	.42	.35	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.26	.39	.32	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2017-12-26

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=0.9878]
 Remarks:

WEC AND CCEC

Test:U:220.0V I:0.4894A P:101.5W PF:0.9857 Freq:49.99Hz Lamp Flux:15362.4x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	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	.279	.159	.050	.272	.155	.049	.259	.149	.047	.247	.142	.046	.236	.137	.044	
2.0	.274	.150	.046	.268	.147	.045	.256	.142	.044	.246	.138	.043	.236	.133	.042	
3.0	.259	.138	.041	.254	.136	.041	.244	.132	.040	.234	.128	.039	.225	.125	.039	
4.0	.243	.126	.037	.238	.124	.037	.229	.121	.036	.220	.118	.036	.213	.115	.035	
5.0	.226	.115	.033	.222	.114	.033	.214	.111	.033	.207	.109	.032	.199	.107	.032	
6.0	.211	.106	.030	.207	.105	.030	.200	.103	.030	.193	.101	.030	.187	.099	.029	
7.0	.197	.098	.028	.194	.097	.028	.187	.095	.027	.181	.093	.027	.176	.091	.027	
8.0	.185	.090	.025	.182	.089	.025	.176	.088	.025	.171	.086	.025	.165	.085	.025	
9.0	.173	.084	.023	.171	.083	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.163	.078	.022	.161	.078	.022	.156	.077	.022	.152	.075	.021	.148	.074	.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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.178	.156	.137	.152	.134	.118	.104	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.170	.132	.100	.145	.114	.087	.100	.079	.060	.057	.046	.035	.018	.015	.012	
3.0	.162	.114	.076	.139	.099	.066	.096	.068	.046	.055	.040	.027	.018	.013	.009	
4.0	.155	.101	.059	.133	.087	.051	.092	.061	.036	.053	.036	.021	.017	.012	.007	
5.0	.148	.090	.048	.127	.078	.042	.088	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.141	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.135	.075	.033	.116	.065	.029	.080	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.129	.069	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.008	.004	
9.0	.123	.065	.025	.106	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.022	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-26

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=0.9878]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.0V I:0.4894A P:101.5W PF:0.9857 Freq:49.99Hz Lamp Flux:15362.4x1 lm												
NAME: AOK-oH					TYPE:LED			WEIGHT:2.9KG				
SPEC.:AOK-100WoH					DIM.: ϕ 0.248*0.138M			SERIAL No.:1				
MFR.: AOK					SUR.: ϕ 0.16M			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	2H	17.9	19.4	18.2	19.6	19.8	17.9	19.4	18.1	19.6	19.8	
	3H	19.0	20.4	19.3	20.7	20.9	18.8	20.2	19.1	20.4	20.6	
	4H	19.1	20.4	19.4	20.6	20.9	18.8	20.1	19.1	20.3	20.6	
	6H	19.0	20.2	19.3	20.5	20.8	18.7	19.9	19.0	20.2	20.5	
	8H	19.0	20.1	19.3	20.4	20.7	18.7	19.8	19.0	20.1	20.4	
	12H	18.9	20.0	19.3	20.3	20.6	18.6	19.7	19.0	20.0	20.3	
	4H	2H	18.5	19.9	18.9	20.1	20.4	18.5	19.8	18.8	20.1	20.3
		3H	19.6	20.8	20.0	21.1	21.4	19.4	20.5	19.8	20.8	21.1
		4H	19.7	20.7	20.1	21.0	21.4	19.4	20.5	19.8	20.8	21.1
		6H	19.6	20.6	20.0	20.9	21.3	19.4	20.3	19.8	20.6	21.0
		8H	19.6	20.4	20.0	20.8	21.2	19.3	20.2	19.7	20.5	20.9
		12H	19.6	20.3	20.0	20.7	21.1	19.3	20.1	19.7	20.4	20.8
	8H	4H	19.6	20.5	20.1	20.8	21.2	19.4	20.2	19.8	20.6	21.0
		6H	19.6	20.3	20.1	20.7	21.1	19.4	20.0	19.8	20.4	20.9
		8H	19.6	20.2	20.0	20.6	21.1	19.3	19.9	19.8	20.3	20.8
		12H	19.6	20.1	20.0	20.5	21.0	19.3	19.8	19.8	20.2	20.7
	12H	4H	19.6	20.4	20.0	20.8	21.2	19.4	20.1	19.8	20.5	20.9
		6H	19.6	20.2	20.0	20.6	21.1	19.3	19.9	19.8	20.3	20.8
		8H	19.6	20.1	20.0	20.5	21.0	19.3	19.8	19.8	20.3	20.7
Variations with the observer position at spacings:												
S = 1.0H	+ 0.2 / - 0.3					+ 0.3 / - 0.3						
1.5H	+ 0.2 / - 0.5					+ 0.3 / - 0.5						
2.0H	+ 0.5 / - 1.1					+ 0.5 / - 1.1						

CIE Pub.117, 15362 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 9.5$)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-26

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=0.9878]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.0V I:0.4894A P:101.5W PF:0.9857 Freq:49.99Hz Lamp Flux:15362.4x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:

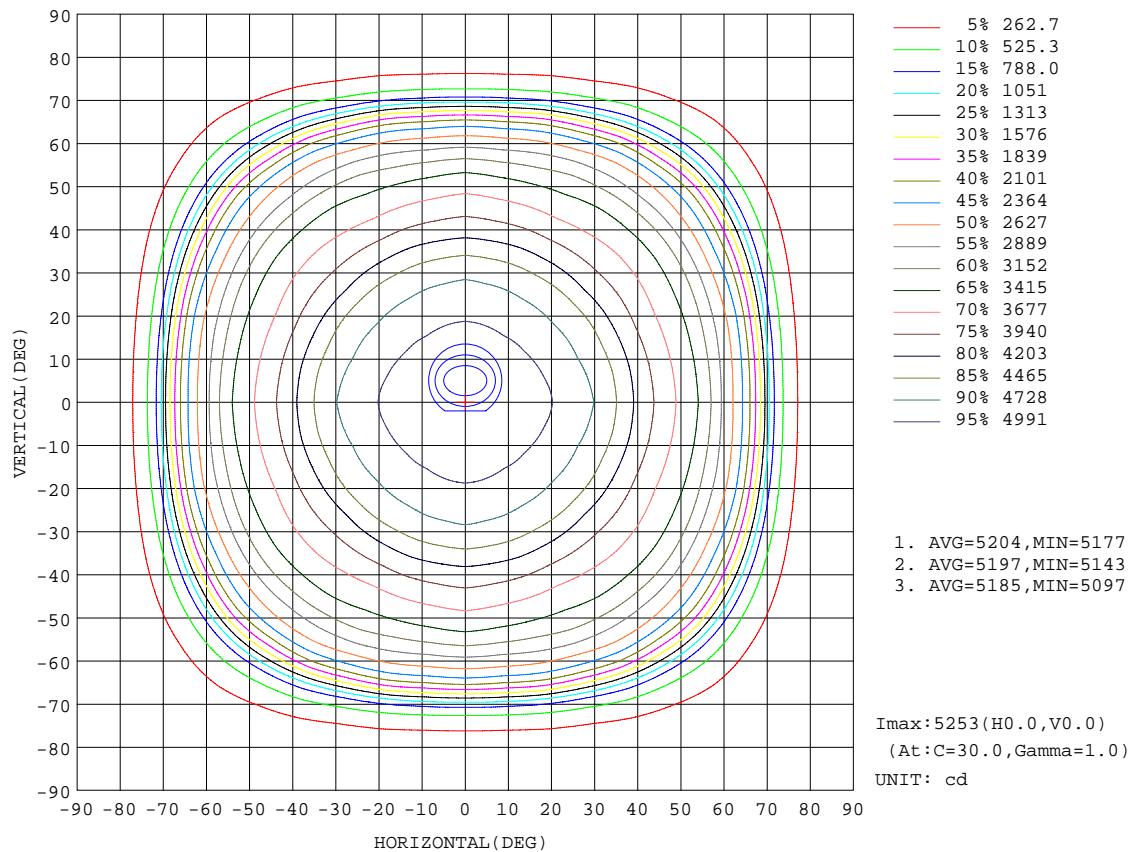
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	46	38	56	45	38	55	45	38	32
0.80	68	56	49	67	56	49	65	55	48	41
1.00	77	66	59	76	65	58	73	67	58	51
1.25	84	74	67	83	73	67	80	72	66	59
1.50	89	80	73	88	79	73	85	77	71	64
2.00	96	88	82	95	87	81	91	85	80	72
2.50	100	93	87	98	92	86	95	89	85	77
3.00	104	97	92	102	96	91	98	93	89	81
4.00	108	102	98	105	101	97	101	97	94	85
5.00	110	105	102	107	104	100	103	100	97	88
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-26

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=0.9878]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.0V I:0.4894A P:101.5W PF:0.9857 Freq:49.99Hz Lamp Flux:15362.4x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:



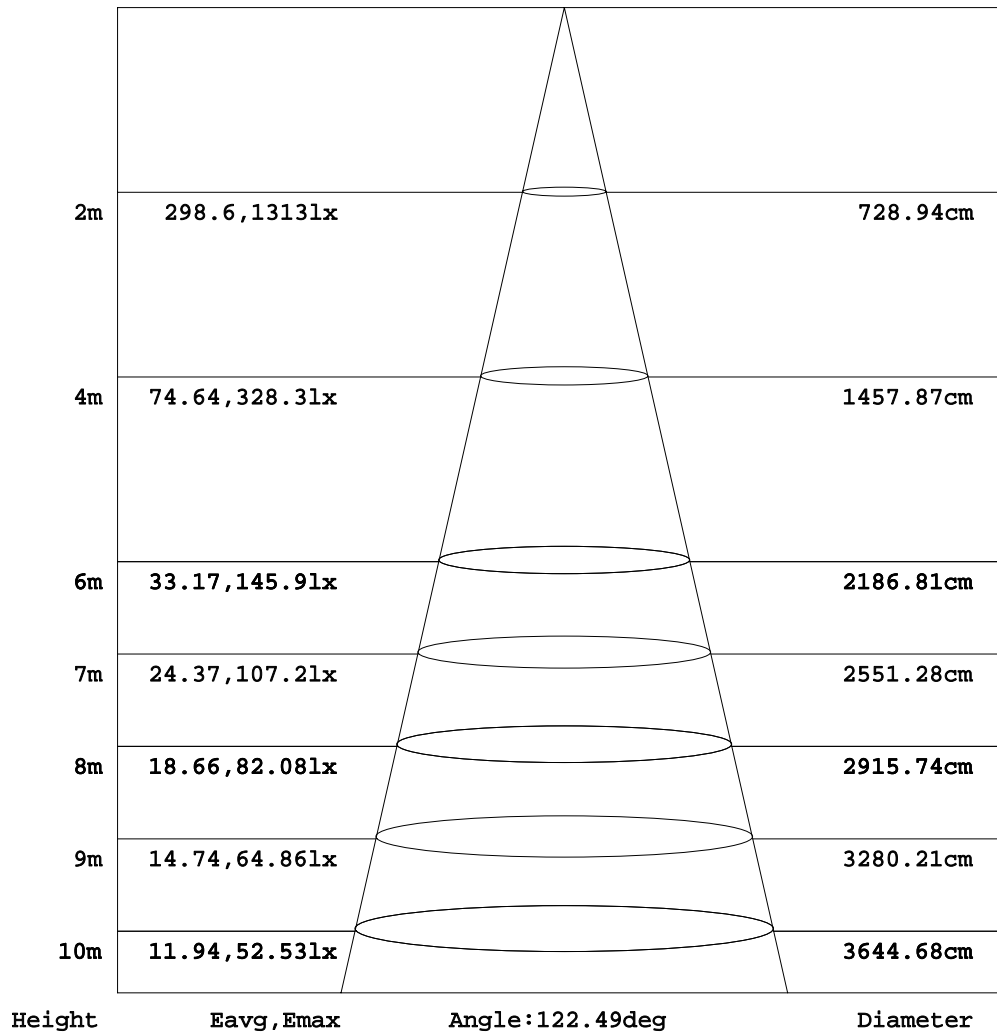
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-26

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=0.9878]
Remarks:

AAI Figure

Test:U:220.0V I:0.4894A P:101.5W PF:0.9857 Freq:49.99Hz Lamp Flux:15362.4x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:

Flux out:13271 lm



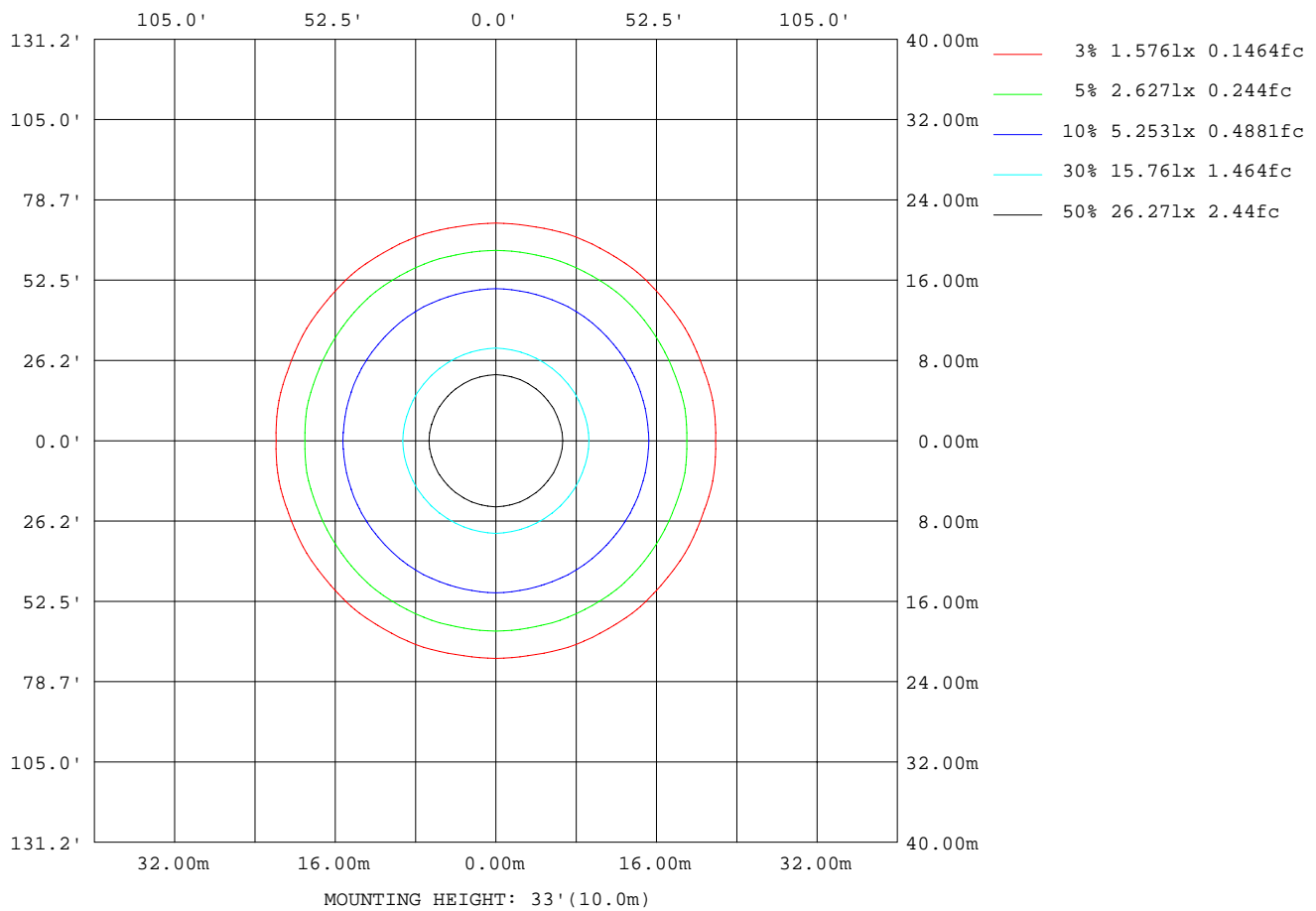
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-26

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=0.9878]
Remarks:

ISOLUX DIAGRAM

Test:U:220.0V I:0.4894A P:101.5W PF:0.9857 Freq:49.99Hz Lamp Flux:15362.4x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-26

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=0.9878]
Remarks:

LED Avg.L Report

Test:U:220.0V I:0.4894A P:101.5W PF:0.9857 Freq:49.99Hz Lamp Flux:15362.4x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

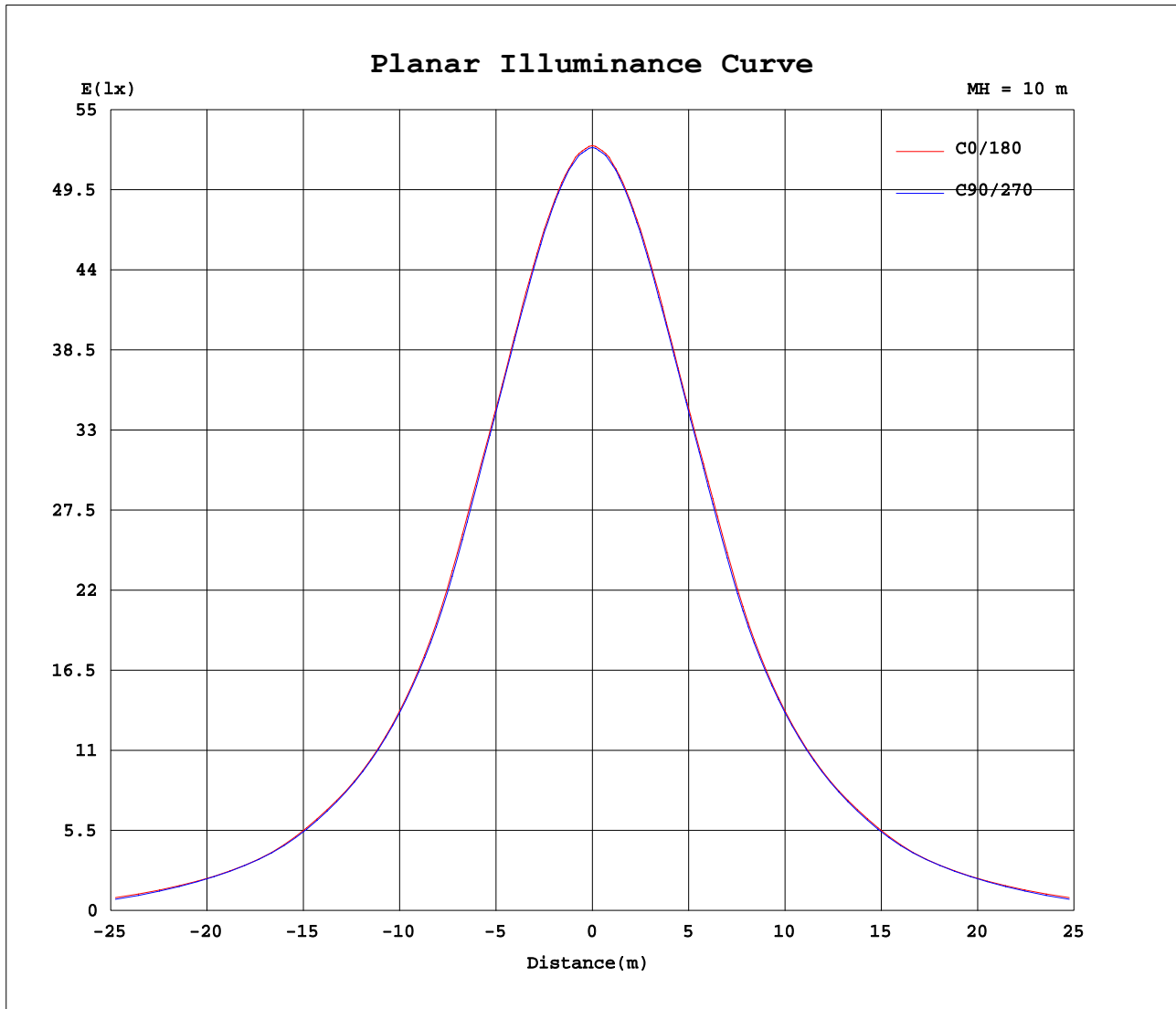
AvgL	cd/m2
L_0~180 (65) av	53481
L_0~180 (75) av	16000
L_0~180 (85) av	2088
L_90~270 (65) av	51882
L_90~270 (75) av	13046
L_90~270 (85) av	1546
L_45 (65) av	53772
L_45 (75) av	15557
L_45 (85) av	2170

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-26

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=0.9878]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-12-26

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=0.9878]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.4894A P:101.5W PF:0.9857 Freq:49.99Hz Lamp Flux:15362.4x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

Table--1

UNIT: 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	5245	5245	5245	5245	5245	5245	5245	5245	5245	5245	5245	5245	5245	5245	5245	5245	5245	5245	5245
5	5224	5216	5212	5219	5213	5209	5209	5213	5216	5215	5216	5213	5209	5209	5213	5219	5212	5216	5224
10	5165	5163	5160	5159	5155	5155	5152	5156	5151	5163	5151	5156	5152	5155	5155	5159	5160	5163	5165
15	5096	5083	5072	5071	5062	5063	5056	5063	5065	5080	5065	5063	5056	5063	5062	5071	5072	5083	5096
20	4991	4977	4961	4954	4943	4941	4936	4948	4954	4970	4954	4948	4936	4941	4943	4954	4961	4977	4991
25	4850	4837	4815	4809	4796	4799	4795	4806	4814	4834	4814	4806	4795	4799	4796	4809	4815	4837	4850
30	4716	4691	4668	4653	4637	4635	4632	4650	4653	4678	4653	4650	4632	4635	4637	4653	4668	4691	4716
35	4464	4444	4408	4392	4362	4368	4363	4385	4386	4408	4386	4385	4363	4368	4362	4392	4408	4444	4464
40	4138	4118	4090	4067	4038	4045	4048	4068	4076	4097	4076	4068	4048	4045	4038	4067	4090	4118	4138
45	3872	3842	3806	3811	3805	3776	3764	3789	3814	3846	3814	3789	3764	3776	3805	3811	3806	3842	3872
50	3614	3586	3556	3572	3554	3543	3514	3536	3553	3598	3553	3536	3514	3543	3554	3572	3556	3586	3614
55	3335	3306	3296	3295	3276	3273	3261	3240	3251	3290	3251	3240	3261	3273	3276	3295	3296	3306	3335
60	2821	2849	2836	2831	2825	2852	2845	2830	2790	2814	2790	2830	2845	2852	2825	2831	2836	2849	2821
65	2260	2301	2252	2280	2260	2282	2244	2242	2176	2193	2176	2242	2244	2282	2260	2280	2252	2301	2260
70	1176	1203	1177	1162	1141	1122	1074	1024	981	941	981	1024	1074	1122	1141	1162	1177	1203	1176
75	414	423	409	416	399	405	379	369	349	338	349	369	379	405	399	416	409	423	414
80	116	118	117	115	110	106	101	95.7	83.8	83.2	83.8	95.7	101	106	110	115	117	118	116
85	18.2	19.6	19.1	19.9	18.8	18.9	16.9	16.4	13.6	13.5	13.6	16.4	16.9	18.9	18.8	19.9	19.1	19.6	18.2
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:2017-12-26

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=0.9878]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.4894A P:101.5W PF:0.9857 Freq:49.99Hz Lamp Flux:15362.4x1 lm																	
NAME: AOK-oH									TYPE:LED						WEIGHT:2.9KG		
SPEC.:AOK-100WoH									DIM.: ϕ 0.248*0.138M						SERIAL No.:1		
MFR.: AOK									SUR.: ϕ 0.16M						Shielding Angle:		

Table--2

UNIT: cd

C (DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	5245	5245	5245	5245	5245	5245	5245	5245	5245	5245	5245	5245	5245	5245	5245	5245	5245		
5	5216	5212	5219	5213	5209	5209	5213	5216	5215	5216	5213	5209	5209	5213	5219	5212	5216		
10	5163	5160	5159	5155	5155	5152	5156	5151	5163	5151	5156	5152	5155	5155	5159	5160	5163		
15	5083	5072	5071	5062	5063	5056	5063	5065	5080	5065	5063	5056	5063	5062	5071	5072	5083		
20	4977	4961	4954	4943	4941	4936	4948	4954	4970	4954	4948	4936	4941	4943	4954	4961	4977		
25	4837	4815	4809	4796	4799	4795	4806	4814	4834	4814	4806	4795	4799	4796	4809	4815	4837		
30	4691	4668	4653	4637	4635	4632	4650	4653	4678	4653	4650	4632	4635	4637	4653	4668	4691		
35	4444	4408	4392	4362	4368	4363	4385	4386	4408	4386	4385	4363	4368	4362	4392	4408	4444		
40	4118	4090	4067	4038	4045	4048	4068	4076	4097	4076	4068	4048	4045	4038	4067	4090	4118		
45	3842	3806	3811	3805	3776	3764	3789	3814	3846	3814	3789	3764	3776	3805	3811	3806	3842		
50	3586	3556	3572	3554	3543	3514	3536	3553	3598	3553	3536	3514	3543	3554	3572	3556	3586		
55	3306	3296	3295	3276	3273	3261	3240	3251	3290	3251	3240	3261	3273	3276	3295	3296	3306		
60	2849	2836	2831	2825	2852	2845	2830	2790	2814	2790	2830	2845	2852	2825	2831	2836	2849		
65	2301	2252	2280	2260	2282	2244	2242	2176	2193	2176	2242	2244	2282	2260	2280	2252	2301		
70	1203	1177	1162	1141	1122	1074	1024	981	941	981	1024	1074	1122	1141	1162	1177	1203		
75	423	409	416	399	405	379	369	349	338	349	369	379	405	399	416	409	423		
80	118	117	115	110	106	101	95.7	83.8	83.2	83.8	95.7	101	106	110	115	117	118		
85	19.6	19.1	19.9	18.8	18.9	16.9	16.4	13.6	13.5	13.6	16.4	16.9	18.9	18.8	19.9	19.1	19.6		
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:2017-12-26

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=0.9878]
Remarks: