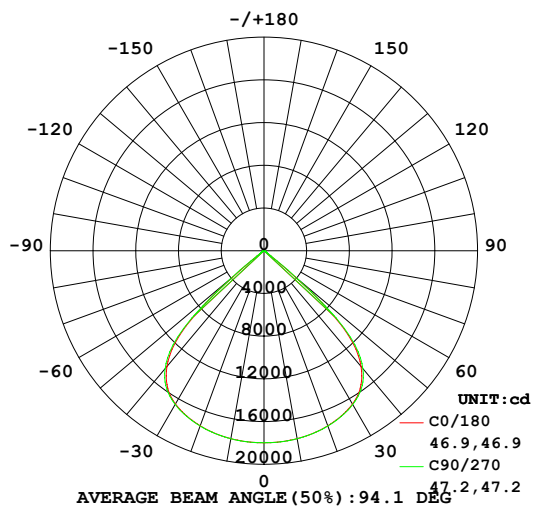


LUMINAIRE PHOTOMETRIC TEST REPORT

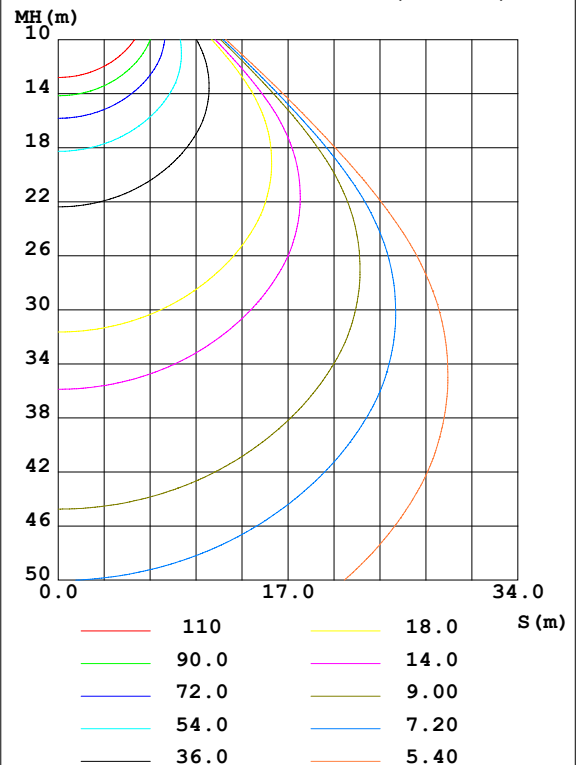
Test:U:220.0V I:0.9567A P:206.1W PF:0.9737 Freq:49.99Hz Lamp Flux:33500.9x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 162.55 lm/W			
MODEL	5050	I _{max} (cd)	17986	S/MH (C0/180)	1.36
NOMINAL POWER (W)	200	LOR (%)	100.0	S/MH (C90/270)	1.37
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	33501	η UP,DN (C0-180)	0.0,50.0
NOMINAL FLUX (lm)	33500.9	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=0.9799]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1787	1786	1787	1786	1787	1786	1787	1786	0- 10	1711	1711	5.11,5.11
20	1745	1744	1747	1744	1745	1744	1747	1744	10- 20	5007	6718	20.1,20.1
30	1657	1658	1663	1658	1657	1658	1663	1658	20- 30	7887	14605	43.6,43.6
40	1413	1428	1440	1428	1413	1428	1440	1428	30- 40	9810	24415	72.9,72.9
50	380.2	381.7	416.3	381.7	380.2	381.7	416.3	381.7	40- 50	7986	32401	96.7,96.7
60	26.52	26.74	26.56	26.74	26.52	26.74	26.56	26.74	50- 60	770.7	33171	99.99
70	14.80	14.90	14.85	14.90	14.80	14.90	14.85	14.90	60- 70	199.4	33371	99.6,99.6
80	6.244	6.163	6.248	6.163	6.244	6.163	6.248	6.163	70- 80	110.5	33481	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	19.76	33501	100,100
100	0	0	0	0	0	0	0	0	90-100	0	33501	100,100
110	0	0	0	0	0	0	0	0	100-110	0	33501	100,100
120	0	0	0	0	0	0	0	0	110-120	0	33501	100,100
130	0	0	0	0	0	0	0	0	120-130	0	33501	100,100
140	0	0	0	0	0	0	0	0	130-140	0	33501	100,100
150	0	0	0	0	0	0	0	0	140-150	0	33501	100,100
160	0	0	0	0	0	0	0	0	150-160	0	33501	100,100
170	0	0	0	0	0	0	0	0	160-170	0	33501	100,100
180	0	0	0	0	0	0	0	0	170-180	0	33501	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 29207 lm

%lum = 87.2%

%lamp = 87.2%

Conical surface Flux(120deg): 33171 lm

%lum = 99.0%

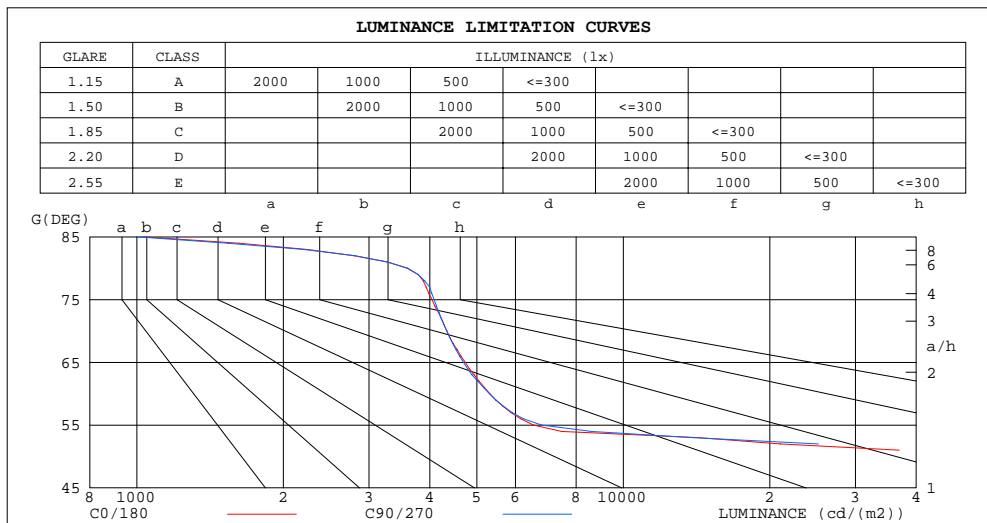
%lamp = 99.0%

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=0.9799]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.0V I:0.9567A P:206.1W PF:0.9737 Freq:49.99Hz Lamp Flux:33500.9x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1034	1002
80	3603	3593
75	4045	4084
70	4337	4335
65	4729	4691
60	5316	5303
55	6535	6790
50	59275	64667
45	157992	161615

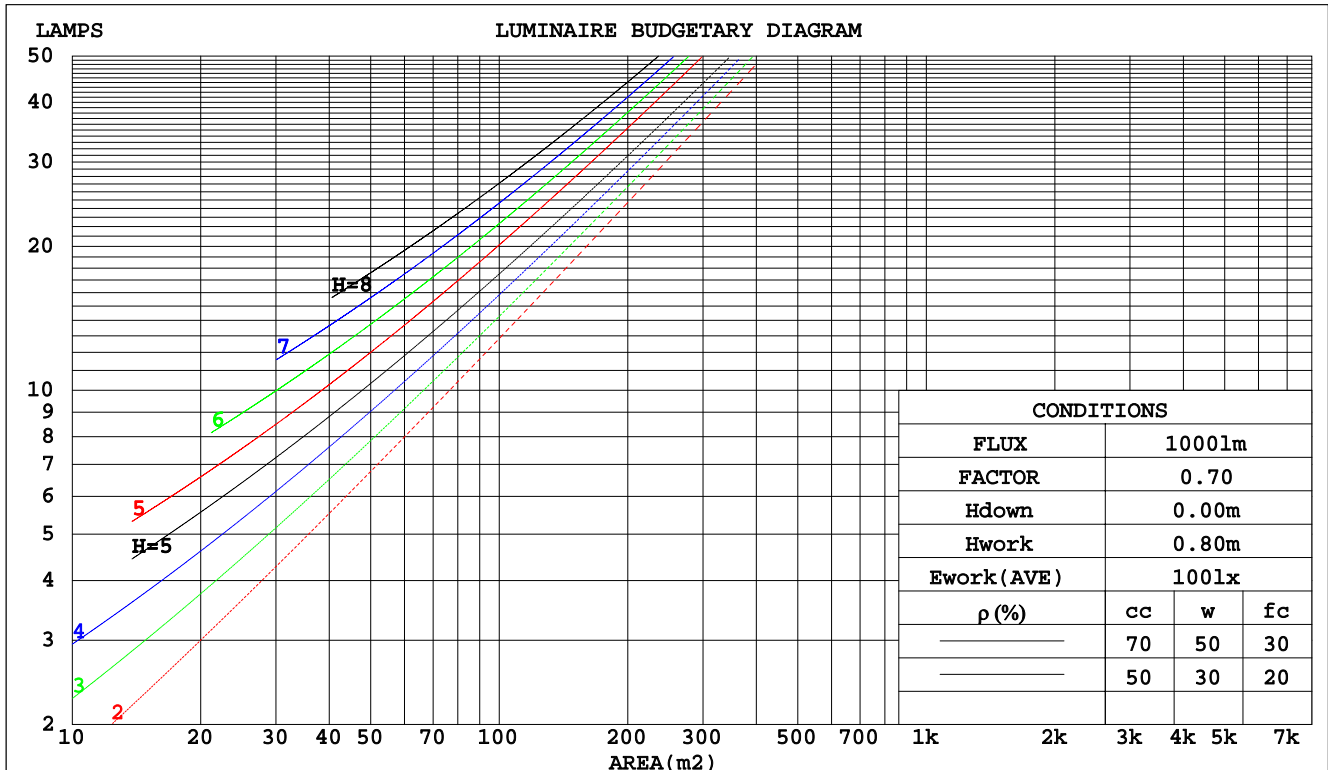
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=0.9799]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.0V I:0.9567A P:206.1W PF:0.9737 Freq:49.99Hz Lamp Flux:33500.9x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	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	.00
1.0	1.09	1.06	1.04	1.07	1.04	1.02	1.03	1.01	.99	.99	.97	.96	.96	.94	.93	.91
2.0	.00	.95	.91	.98	.93	.90	.95	.91	.88	.91	.88	.86	.89	.86	.84	.82
3.0	.91	.85	.80	.89	.84	.80	.87	.82	.78	.84	.80	.77	.82	.79	.76	.74
4.0	.83	.76	.71	.82	.76	.71	.80	.74	.70	.77	.73	.69	.75	.72	.68	.67
5.0	.76	.69	.64	.75	.68	.63	.73	.67	.63	.71	.66	.62	.70	.65	.62	.60
6.0	.70	.63	.57	.69	.62	.57	.67	.61	.57	.66	.60	.56	.64	.60	.56	.54
7.0	.64	.57	.52	.63	.57	.52	.62	.56	.51	.61	.55	.51	.59	.54	.51	.49
8.0	.59	.52	.47	.58	.52	.47	.57	.51	.47	.56	.51	.46	.55	.50	.46	.45
9.0	.55	.48	.43	.54	.47	.43	.53	.47	.43	.52	.46	.42	.51	.46	.42	.41
10.0	.51	.44	.39	.50	.44	.39	.49	.43	.39	.48	.43	.39	.48	.42	.39	.37



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=0.9799]
Remarks:

WEC AND CCEC

Test:U:220.0V I:0.9567A P:206.1W PF:0.9737 Freq:49.99Hz Lamp Flux:33500.9x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH	DIM.: ϕ 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.29M	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	.208	.119	.038	.202	.115	.037	.189	.108	.035	.177	.102	.033	.166	.096	.031	
2.0	.204	.112	.034	.198	.109	.034	.187	.104	.032	.177	.099	.031	.168	.095	.030	
3.0	.196	.104	.031	.191	.102	.031	.182	.098	.030	.173	.095	.029	.165	.091	.028	
4.0	.188	.098	.029	.183	.096	.028	.175	.093	.028	.167	.090	.027	.160	.087	.026	
5.0	.179	.091	.026	.175	.090	.026	.168	.087	.026	.161	.085	.025	.155	.083	.025	
6.0	.171	.086	.025	.168	.085	.024	.161	.083	.024	.155	.081	.024	.149	.079	.023	
7.0	.163	.081	.023	.160	.080	.023	.154	.078	.022	.149	.076	.022	.144	.075	.022	
8.0	.156	.076	.021	.153	.075	.021	.148	.074	.021	.143	.072	.021	.138	.071	.021	
9.0	.149	.072	.020	.146	.071	.020	.141	.070	.020	.137	.069	.020	.133	.067	.019	
10.0	.142	.068	.019	.140	.067	.019	.135	.066	.019	.131	.065	.019	.128	.064	.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	.173	.157	.142	.148	.135	.123	.101	.093	.085	.058	.054	.049	.019	.017	.016	
2.0	.160	.132	.109	.137	.114	.094	.094	.079	.066	.054	.046	.038	.017	.015	.013	
3.0	.150	.114	.085	.129	.098	.073	.088	.068	.052	.051	.040	.030	.016	.013	.010	
4.0	.142	.100	.067	.122	.086	.059	.084	.060	.041	.048	.035	.024	.016	.011	.008	
5.0	.134	.089	.055	.115	.077	.048	.079	.054	.034	.046	.031	.020	.015	.010	.007	
6.0	.128	.080	.045	.110	.069	.039	.076	.048	.028	.044	.028	.017	.014	.009	.005	
7.0	.122	.073	.038	.105	.063	.033	.072	.044	.024	.042	.026	.014	.014	.009	.005	
8.0	.117	.067	.033	.100	.058	.028	.069	.041	.020	.040	.024	.012	.013	.008	.004	
9.0	.112	.062	.028	.096	.054	.025	.067	.038	.017	.039	.022	.010	.013	.007	.003	
10.0	.107	.058	.025	.092	.050	.022	.064	.035	.015	.037	.021	.009	.012	.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=0.9799]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.0V I:0.9567A P:206.1W PF:0.9737 Freq:49.99Hz Lamp Flux:33500.9x1 lm										
NAME: AOK-oH					TYPE:LED			WEIGHT:6.0KG		
SPEC.:AOK-200WoH					DIM.: $\phi 0.4 \times 0.141M$			SERIAL No.:1		
MFR.: AOK					SUR.: $\phi 0.29M$			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	14.2	15.3	14.4	15.5	15.7	14.2	15.4	14.4	15.6	15.7
3H	14.0	15.1	14.3	15.3	15.5	14.0	15.1	14.3	15.3	15.5
4H	13.9	14.9	14.2	15.1	15.4	13.9	14.9	14.2	15.2	15.4
6H	13.8	14.7	14.1	15.0	15.3	13.8	14.8	14.1	15.0	15.3
8H	13.8	14.7	14.1	14.9	15.2	13.8	14.7	14.1	15.0	15.2
12H	13.7	14.6	14.0	14.9	15.1	13.7	14.6	14.1	14.9	15.2
4H 2H	13.9	14.9	14.2	15.1	15.4	13.9	14.9	14.2	15.2	15.4
3H	13.7	14.6	14.0	14.9	15.1	13.7	14.6	14.1	14.9	15.2
4H	13.6	14.4	14.0	14.7	15.0	13.7	14.4	14.0	14.7	15.1
6H	13.5	14.2	13.9	14.6	14.9	13.6	14.3	14.0	14.6	14.9
8H	13.5	14.1	13.9	14.5	14.9	13.5	14.2	13.9	14.5	14.9
12H	13.5	14.0	13.9	14.4	14.8	13.5	14.1	13.9	14.4	14.8
8H 4H	13.5	14.1	13.9	14.5	14.9	13.5	14.2	13.9	14.5	14.9
6H	13.4	13.9	13.8	14.3	14.7	13.4	14.0	13.9	14.4	14.8
8H	13.4	13.8	13.8	14.2	14.7	13.4	13.9	13.9	14.3	14.7
12H	13.3	13.7	13.8	14.2	14.6	13.4	13.7	13.8	14.2	14.7
12H 4H	13.5	14.0	13.9	14.4	14.8	13.5	14.1	13.9	14.4	14.8
6H	13.4	13.8	13.8	14.2	14.7	13.4	13.9	13.9	14.3	14.7
8H	13.3	13.7	13.8	14.2	14.6	13.4	13.7	13.8	14.2	14.7
Variations with the observer position at spacings:										
S = 1.0H	+ 3.0 / -13.3					+ 3.0 / -13.3				
1.5H	+ 2.3 / -14.5					+ 2.5 / -14.4				
2.0H	+ 7.1 / -12.3					+ 7.2 / -12.3				

CIE Pub.117, 33501 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 12.2$)

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=0.9799]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.0V I:0.9567A P:206.1W PF:0.9737 Freq:49.99Hz Lamp Flux:33500.9x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

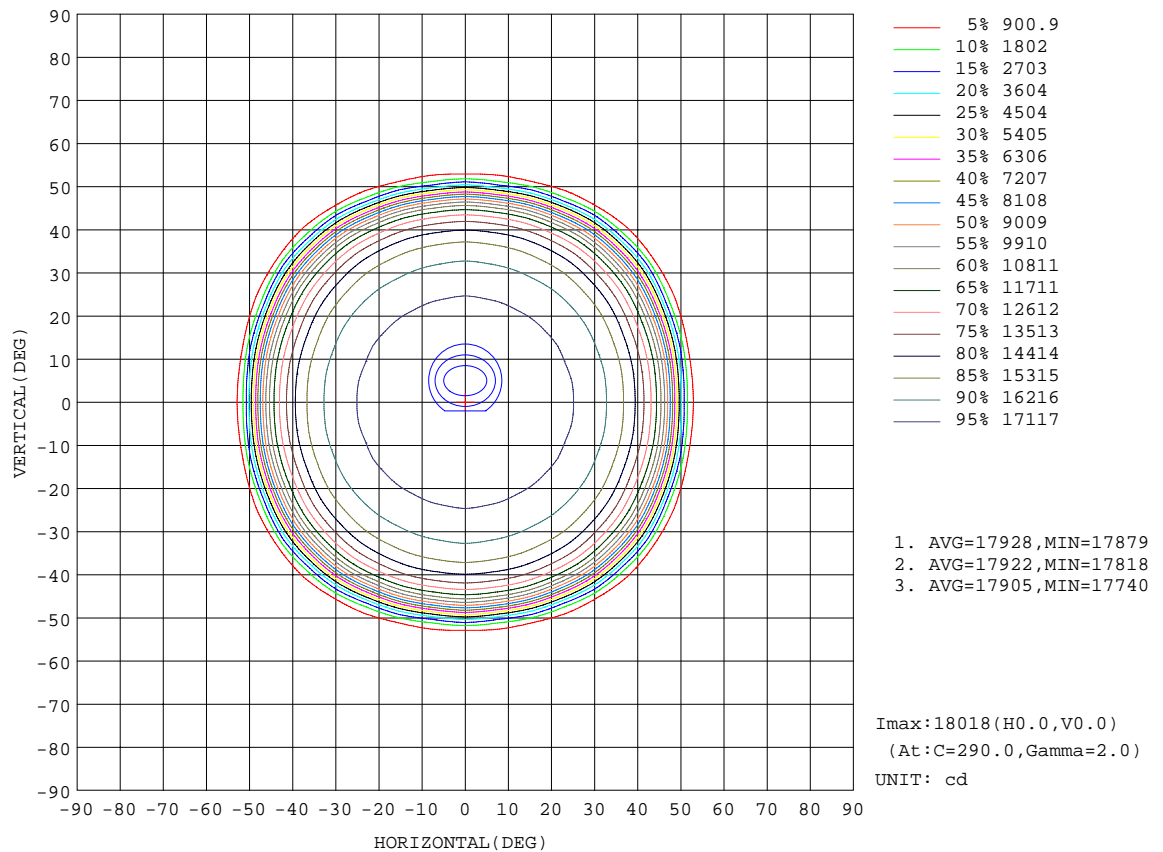
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	74	66	61	74	66	60	73	65	60	56
0.80	84	76	71	83	76	71	82	75	70	65
1.00	91	84	79	90	83	79	88	84	78	73
1.25	97	90	86	96	90	85	94	88	84	79
1.50	101	94	90	99	94	89	97	92	88	83
2.00	105	100	96	103	99	95	101	97	93	88
2.50	107	102	99	105	101	98	102	99	96	89
3.00	109	105	101	107	103	100	104	101	98	91
4.00	112	108	105	109	106	104	106	103	101	93
5.00	113	110	107	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: 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=0.9799]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.0V I:0.9567A P:206.1W PF:0.9737 Freq:49.99Hz Lamp Flux:33500.9x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:



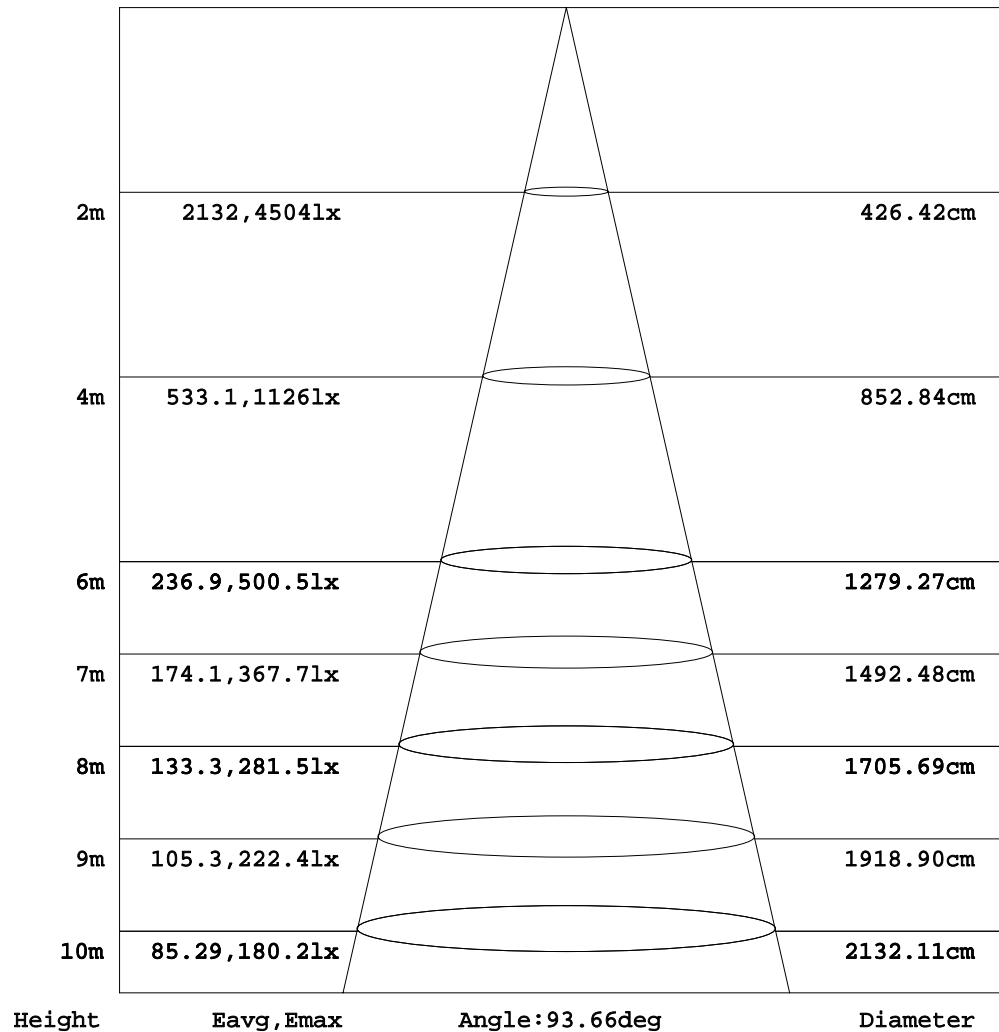
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2017-12-26

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=0.9799]
 Remarks:

AAI Figure

Test:U:220.0V I:0.9567A P:206.1W PF:0.9737 Freq:49.99Hz Lamp Flux:33500.9x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

Flux out:30813 lm



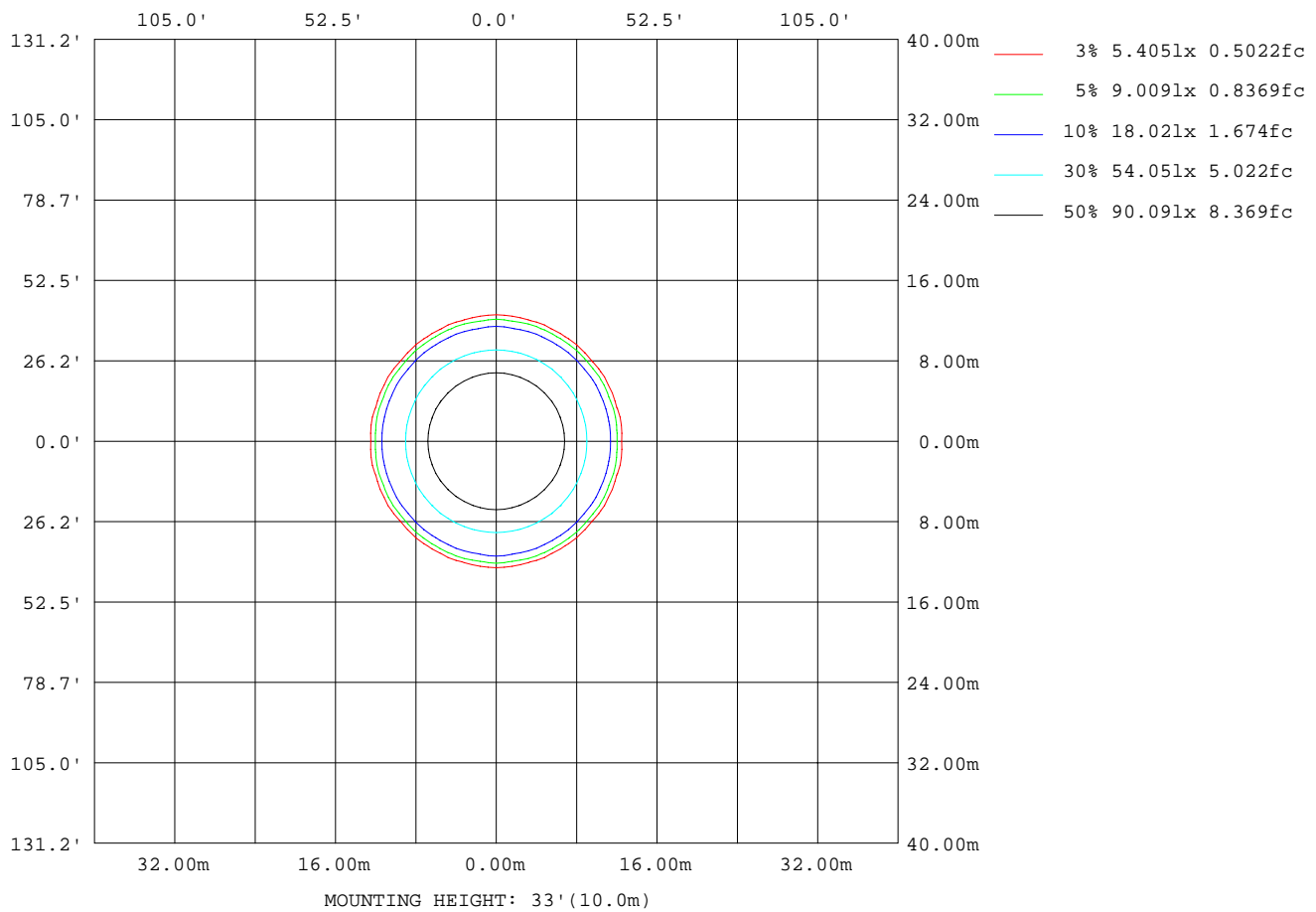
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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=0.9799]
 Remarks:

ISOLUX DIAGRAM

Test:U:220.0V I:0.9567A P:206.1W PF:0.9737 Freq:49.99Hz Lamp Flux:33500.9x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH	DIM.: $\Phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\Phi 0.29M$	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=0.9799]
Remarks:

LED Avg.L Report

Test:U:220.0V I:0.9567A P:206.1W PF:0.9737 Freq:49.99Hz Lamp Flux:33500.9x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

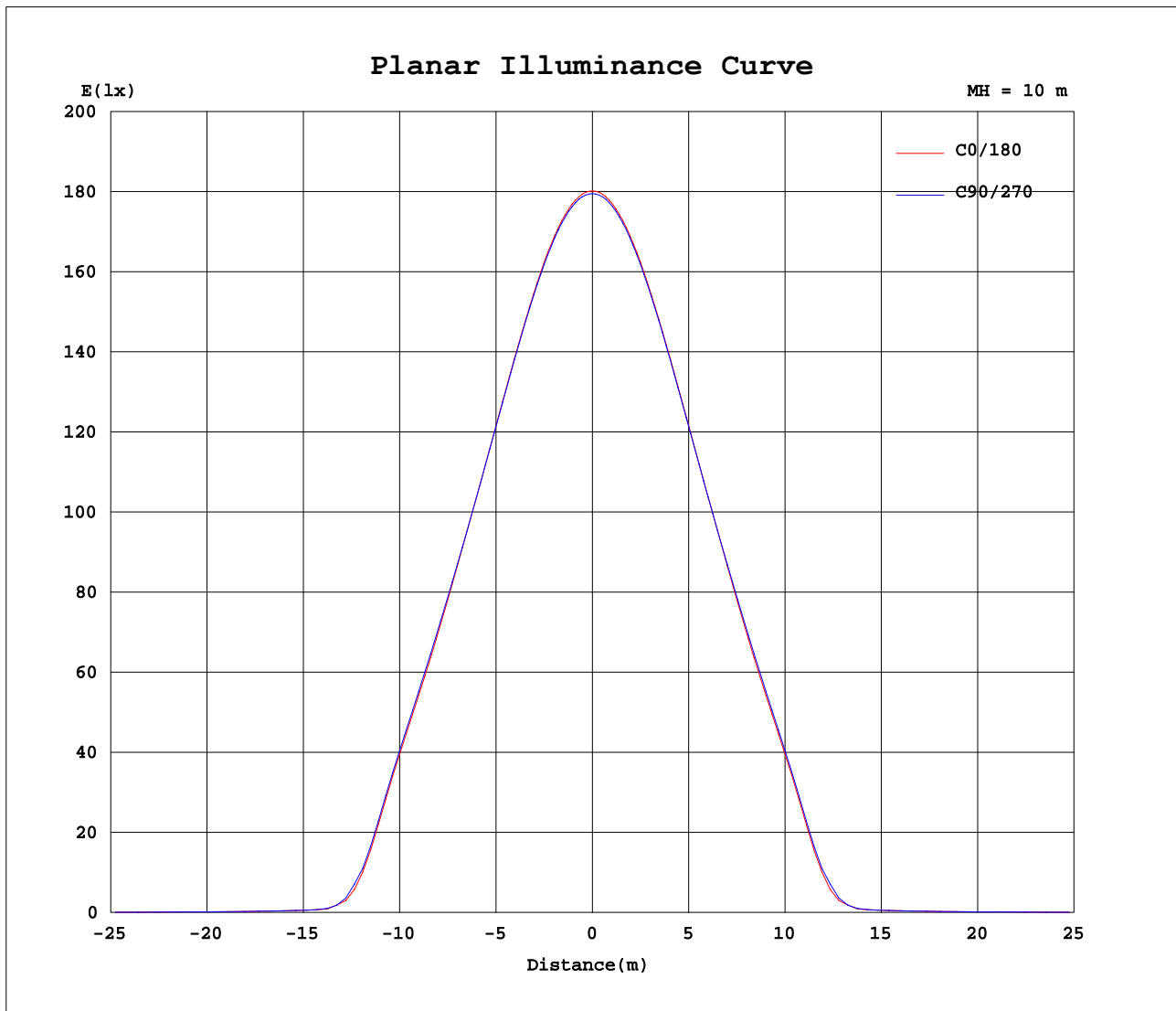
AvgL	cd/m2
L_0~180 (65) av	4719
L_0~180 (75) av	4037
L_0~180 (85) av	1032
L_90~270 (65) av	4698
L_90~270 (75) av	4091
L_90~270 (85) av	1004
L_45 (65) av	4741
L_45 (75) av	4063
L_45 (85) av	897

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=0.9799]
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=0.9799]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.9567A P:206.1W PF:0.9737 Freq:49.99Hz Lamp Flux:33500.9x1 lm																		
NAME: AOK-oH									TYPE:LED					WEIGHT:6.0KG				
SPEC.:AOK-200WoH									DIM.: $\phi 0.4 \times 0.141M$					SERIAL No.:1				
MFR.: AOK									SUR.: $\phi 0.29M$					Shielding Angle:				

Table--1

UNIT: $\times 10cd$

C (DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	1798	1798	1798	1798	1798	1798	1798	1798	1798	1798	1798	1798	1798	1798	1798	1798	1798	1798	1798
5	1795	1795	1795	1795	1796	1795	1795	1797	1795	1796	1795	1797	1795	1795	1796	1795	1795	1795	1795
10	1787	1786	1786	1786	1787	1786	1786	1787	1787	1787	1787	1787	1786	1786	1787	1786	1786	1786	1787
15	1770	1770	1769	1770	1771	1769	1769	1771	1770	1771	1770	1771	1769	1769	1771	1770	1769	1770	1770
20	1745	1746	1744	1745	1744	1744	1744	1745	1745	1747	1745	1745	1744	1744	1744	1745	1744	1746	1745
25	1709	1710	1708	1710	1709	1709	1707	1709	1710	1712	1710	1709	1707	1709	1709	1710	1708	1710	1709
30	1657	1659	1658	1660	1658	1658	1656	1659	1659	1663	1659	1659	1656	1658	1658	1660	1658	1659	1657
35	1572	1577	1575	1580	1578	1579	1577	1581	1580	1585	1580	1581	1577	1579	1578	1580	1575	1577	1572
40	1413	1419	1414	1424	1424	1433	1433	1439	1435	1440	1435	1439	1433	1433	1424	1424	1414	1419	1413
45	1115	1124	1114	1126	1121	1133	1125	1137	1131	1145	1131	1137	1125	1133	1121	1126	1114	1124	1115
50	380	400	379	398	372	391	370	390	380	416	380	390	370	391	372	398	379	400	380
55	37.4	37.7	37.2	37.9	37.8	38.8	38.5	39.1	38.4	39.0	38.4	39.1	38.5	38.8	37.8	37.9	37.2	37.7	37.4
60	26.5	26.6	26.3	26.6	26.6	26.9	26.7	26.8	26.5	26.6	26.5	26.8	26.7	26.9	26.6	26.6	26.3	26.6	26.5
65	19.9	19.8	19.6	19.8	20.0	20.1	20.0	20.0	19.9	19.9	19.9	20.0	20.0	20.1	20.0	19.8	19.6	19.8	19.9
70	14.8	14.6	14.5	14.6	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.6	14.5	14.6	14.8
75	10.4	10.3	10.1	10.3	10.4	10.6	10.5	10.6	10.5	10.6	10.5	10.6	10.5	10.6	10.4	10.3	10.1	10.3	10.4
80	6.24	6.17	5.95	6.11	6.09	6.24	6.17	6.29	6.13	6.25	6.13	6.29	6.17	6.24	6.09	6.11	5.95	6.17	6.24
85	0.90	0.96	0.86	0.87	0.78	0.79	0.73	0.77	0.76	0.87	0.76	0.77	0.73	0.79	0.78	0.87	0.86	0.96	0.90
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=0.9799]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.9567A P:206.1W PF:0.9737 Freq:49.99Hz Lamp Flux:33500.9x1 lm																	
NAME: AOK-oH									TYPE:LED						WEIGHT:6.0KG		
SPEC.:AOK-200WoH									DIM.: $\phi 0.4 \times 0.141M$						SERIAL No.:1		
MFR.: AOK									SUR.: $\phi 0.29M$						Shielding Angle:		

Table--2

UNIT: $\times 10cd$

C (DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	1798	1798	1798	1798	1798	1798	1798	1798	1798	1798	1798	1798	1798	1798	1798	1798	1798		
5	1795	1795	1795	1796	1795	1795	1797	1795	1796	1795	1797	1795	1796	1795	1796	1795	1795		
10	1786	1786	1786	1787	1786	1786	1787	1787	1787	1787	1787	1786	1786	1787	1786	1786	1786		
15	1770	1769	1770	1771	1769	1769	1771	1770	1771	1770	1771	1769	1769	1771	1770	1769	1770		
20	1746	1744	1745	1744	1744	1744	1745	1745	1747	1745	1745	1744	1744	1744	1745	1744	1746		
25	1710	1708	1710	1709	1709	1707	1709	1710	1712	1710	1709	1707	1709	1709	1710	1708	1710		
30	1659	1658	1660	1658	1658	1656	1659	1659	1663	1659	1659	1656	1658	1658	1660	1658	1659		
35	1577	1575	1580	1578	1579	1577	1581	1580	1585	1580	1581	1577	1579	1578	1580	1575	1577		
40	1419	1414	1424	1424	1433	1433	1439	1435	1440	1435	1439	1433	1433	1424	1424	1414	1419		
45	1124	1114	1126	1121	1133	1125	1137	1131	1145	1131	1137	1125	1133	1121	1126	1114	1124		
50	400	379	398	372	391	370	390	380	416	380	390	370	391	372	398	379	400		
55	37.7	37.2	37.9	37.8	38.8	38.5	39.1	38.4	39.0	38.4	39.1	38.5	38.8	37.8	37.9	37.2	37.7		
60	26.6	26.3	26.6	26.6	26.9	26.7	26.8	26.5	26.6	26.5	26.8	26.7	26.9	26.6	26.6	26.3	26.6		
65	19.8	19.6	19.8	20.0	20.1	20.0	20.0	19.9	19.9	19.9	20.0	20.0	20.1	20.0	19.8	19.6	19.8		
70	14.6	14.5	14.6	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.6	14.5	14.6		
75	10.3	10.1	10.3	10.4	10.6	10.5	10.6	10.5	10.6	10.5	10.6	10.5	10.6	10.4	10.3	10.1	10.3		
80	6.17	5.95	6.11	6.09	6.24	6.17	6.29	6.13	6.25	6.13	6.29	6.17	6.24	6.09	6.11	5.95	6.17		
85	0.96	0.86	0.87	0.78	0.79	0.73	0.77	0.76	0.87	0.76	0.77	0.73	0.79	0.78	0.87	0.86	0.96		
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=0.9799]
 Remarks: