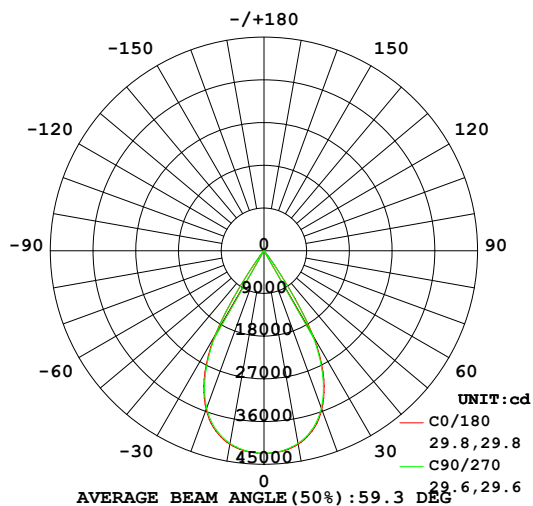


LUMINAIRE PHOTOMETRIC TEST REPORT

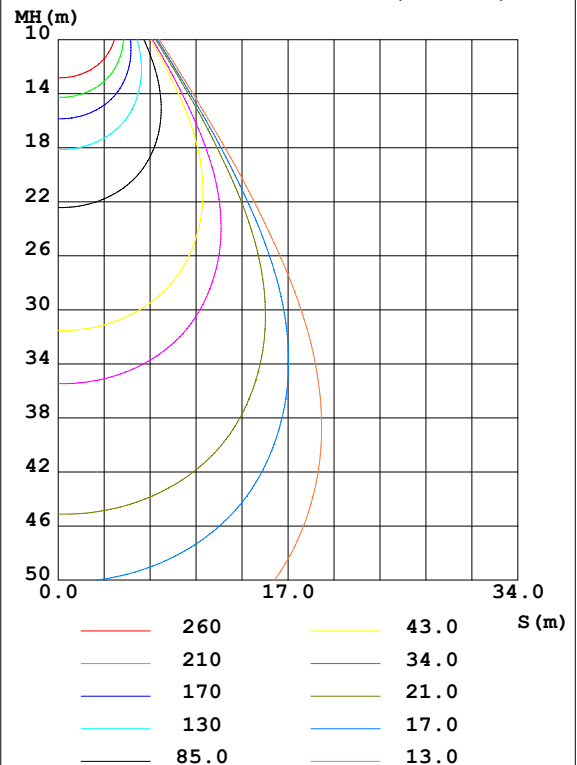
Test:U:219.8V I:0.9581A P:199.8W PF:0.9734 Freq:49.99Hz Lamp Flux:33982.1x1 lm					
NAME: AOK oH		TYPE:LED		WEIGHT:6KG	
SPEC.:AOK-200W oH		DIM.: $\phi 0.4 \times 0.141M$		SERIAL No.:1	
MFR.: AOK		SUR.: $\phi 0.29M$		Shielding Angle:	

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 170.08 lm/W
MODEL	5050	I _{max} (cd)	42668	S/MH (C0/180)	0.86	
NOMINAL POWER (W)	200	LOR (%)	100.0	S/MH (C90/270)	0.86	
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	33982	η UP, DN (C0-180)	0.0, 50.0	
NOMINAL FLUX (lm)	33982.1	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 50.0	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.75	
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	0.85	

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: 2017-12-22

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	4140	4137	4120	4137	4140	4137	4120	4137	0- 10	4015	4015	11.8,11.8
20	3563	3555	3530	3555	3563	3555	3530	3555	10- 20	10954	14969	44.1,44.1
30	2084	2053	2030	2053	2084	2053	2030	2053	20- 30	13267	28236	83.1,83.1
40	70.98	70.24	75.33	70.24	70.98	70.24	75.33	70.24	30- 40	4635	32872	96.7,96.7
50	40.48	40.53	40.77	40.53	40.48	40.53	40.77	40.53	40- 50	375.3	33247	97.8,97.8
60	29.40	29.89	29.87	29.89	29.40	29.89	29.87	29.89	50- 60	310.0	33557	98.7,98.7
70	19.99	20.50	20.39	20.50	19.99	20.50	20.39	20.50	60- 70	249.2	33806	99.5,99.5
80	7.801	8.068	8.227	8.068	7.801	8.068	8.227	8.068	70- 80	151.7	33958	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	24.18	33982	100,100
100	0	0	0	0	0	0	0	0	90-100	0	33982	100,100
110	0	0	0	0	0	0	0	0	100-110	0	33982	100,100
120	0	0	0	0	0	0	0	0	110-120	0	33982	100,100
130	0	0	0	0	0	0	0	0	120-130	0	33982	100,100
140	0	0	0	0	0	0	0	0	130-140	0	33982	100,100
150	0	0	0	0	0	0	0	0	140-150	0	33982	100,100
160	0	0	0	0	0	0	0	0	150-160	0	33982	100,100
170	0	0	0	0	0	0	0	0	160-170	0	33982	100,100
180	0	0	0	0	0	0	0	0	170-180	0	33982	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 33070 lm

%lum = 97.3%

%lamp = 97.3%

Conical surface Flux(120deg): 33557 lm

%lum = 98.7%

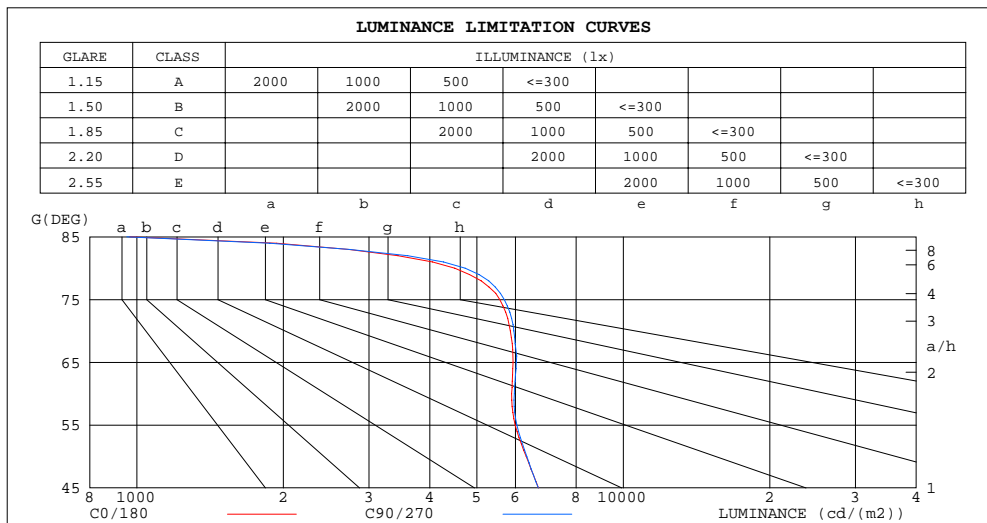
%lamp = 98.7%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-12-22

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:219.8V I:0.9581A P:199.8W PF:0.9734 Freq:49.99Hz Lamp Flux:33982.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-200W oH	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	967	953
80	4503	4732
75	5573	5693
70	5860	5956
65	5934	6023
60	5893	5967
55	5990	6041
50	6313	6335
45	6694	6689

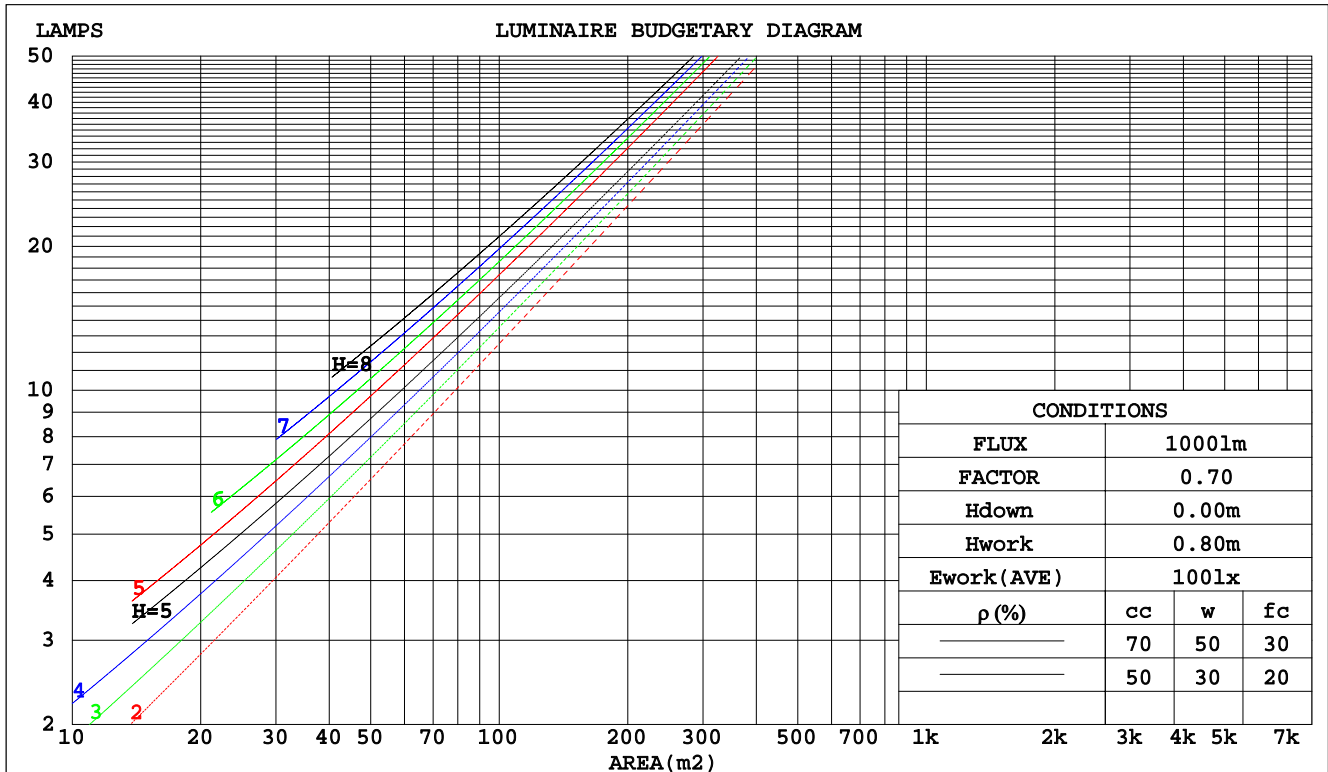
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-22

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:219.8V I:0.9581A P:199.8W PF:0.9734 Freq:49.99Hz Lamp Flux:33982.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-200W oH	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	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						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	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.00	.99	.98	.97	.96	.94
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.93	.91	.90	.88
3.0	.97	.93	.89	.96	.92	.88	.93	.90	.87	.91	.88	.86	.89	.86	.84	.83
4.0	.92	.86	.82	.91	.86	.82	.88	.84	.81	.86	.83	.80	.85	.82	.79	.78
5.0	.86	.81	.77	.85	.80	.77	.84	.79	.76	.82	.78	.75	.81	.77	.75	.73
6.0	.82	.76	.72	.81	.76	.72	.79	.75	.71	.78	.74	.71	.77	.73	.70	.69
7.0	.77	.72	.68	.77	.71	.67	.75	.71	.67	.74	.70	.67	.73	.69	.66	.65
8.0	.73	.68	.64	.73	.67	.64	.72	.67	.63	.71	.66	.63	.70	.66	.63	.62
9.0	.69	.64	.60	.69	.64	.60	.68	.63	.60	.67	.63	.60	.66	.62	.60	.58
10.0	.66	.61	.57	.66	.60	.57	.65	.60	.57	.64	.60	.57	.63	.59	.56	.55



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-12-22

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:219.8V I:0.9581A P:199.8W PF:0.9734 Freq:49.99Hz Lamp Flux:33982.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-200W oH	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	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	.172	.098	.031	.165	.094	.030	.152	.087	.028	.141	.081	.026	.130	.075	.024	
2.0	.163	.089	.027	.157	.087	.027	.147	.082	.025	.137	.077	.024	.128	.072	.023	
3.0	.154	.082	.025	.149	.080	.024	.140	.076	.023	.132	.072	.022	.124	.069	.021	
4.0	.146	.076	.022	.142	.074	.022	.135	.071	.021	.127	.068	.021	.121	.066	.020	
5.0	.139	.071	.021	.136	.070	.020	.129	.067	.020	.123	.065	.019	.117	.062	.019	
6.0	.133	.067	.019	.130	.065	.019	.124	.063	.018	.118	.061	.018	.113	.060	.018	
7.0	.127	.063	.018	.124	.062	.018	.119	.060	.017	.114	.059	.017	.110	.057	.017	
8.0	.122	.059	.017	.119	.059	.017	.115	.057	.016	.110	.056	.016	.106	.054	.016	
9.0	.117	.056	.016	.114	.056	.016	.110	.055	.015	.106	.053	.015	.103	.052	.015	
10.0	.112	.054	.015	.110	.053	.015	.106	.052	.015	.103	.051	.015	.100	.050	.014	

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	.155	.133	.114	.133	.114	.098	.091	.079	.069	.052	.046	.040	.017	.015	.013	
3.0	.142	.114	.091	.122	.098	.079	.084	.068	.055	.048	.040	.033	.016	.013	.011	
4.0	.131	.099	.074	.113	.085	.064	.078	.059	.045	.045	.035	.027	.014	.011	.009	
5.0	.123	.087	.061	.105	.075	.053	.072	.053	.037	.042	.031	.022	.014	.010	.007	
6.0	.115	.078	.051	.099	.067	.044	.068	.047	.031	.040	.028	.019	.013	.009	.006	
7.0	.108	.070	.043	.093	.061	.037	.064	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.103	.064	.037	.088	.055	.032	.061	.039	.023	.036	.023	.014	.011	.007	.005	
9.0	.097	.058	.032	.084	.051	.028	.058	.036	.020	.034	.021	.012	.011	.007	.004	
10.0	.093	.054	.028	.080	.047	.024	.056	.033	.017	.032	.019	.010	.011	.006	.003	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-22

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:219.8V I:0.9581A P:199.8W PF:0.9734 Freq:49.99Hz Lamp Flux:33982.1x1 lm										
NAME: AOK oH					TYPE:LED			WEIGHT:6KG		
SPEC.:AOK-200W oH					DIM.: ϕ 0.4*0.141M			SERIAL No.:1		
MFR.: AOK					SUR.: ϕ 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	6.1	7.0	6.4	7.2	7.4	5.5	6.4	5.8	6.6	6.8
3H	6.2	7.0	6.4	7.2	7.4	5.6	6.4	5.8	6.6	6.8
4H	6.2	7.0	6.5	7.2	7.4	5.6	6.4	5.9	6.6	6.8
6H	6.2	6.9	6.5	7.2	7.4	5.6	6.4	5.9	6.6	6.9
8H	6.2	6.9	6.5	7.1	7.4	5.6	6.3	5.9	6.6	6.8
12H	6.1	6.8	6.4	7.1	7.3	5.6	6.3	5.9	6.5	6.8
4H 2H	6.0	6.8	6.2	7.0	7.2	5.4	6.2	5.7	6.4	6.6
3H	6.1	6.7	6.4	7.0	7.3	5.5	6.2	5.8	6.5	6.7
4H	6.1	6.8	6.5	7.1	7.4	5.6	6.2	6.0	6.5	6.8
6H	6.2	6.7	6.6	7.1	7.4	5.7	6.2	6.1	6.6	6.9
8H	6.2	6.7	6.6	7.0	7.4	5.7	6.2	6.1	6.5	6.9
12H	6.1	6.6	6.6	7.0	7.4	5.6	6.1	6.0	6.5	6.9
8H 4H	6.1	6.6	6.5	6.9	7.3	5.6	6.1	6.0	6.4	6.8
6H	6.2	6.6	6.6	7.0	7.4	5.7	6.1	6.1	6.5	6.9
8H	6.2	6.5	6.6	7.0	7.4	5.7	6.1	6.1	6.5	6.9
12H	6.1	6.4	6.6	6.9	7.4	5.7	6.0	6.1	6.4	6.9
12H 4H	6.1	6.5	6.5	6.9	7.3	5.5	6.0	6.0	6.4	6.8
6H	6.2	6.5	6.6	6.9	7.4	5.7	6.0	6.1	6.4	6.9
8H	6.2	6.5	6.6	6.9	7.4	5.7	6.0	6.1	6.4	6.9
Variations with the observer position at spacings:										
S = 1.0H	+ 1.6 / - 0.8					+ 2.1 / - 0.8				
1.5H	+ 3.0 / - 0.7					+ 3.8 / - 0.7				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				

CIE Pub.117, 33982 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 12.3$)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-22

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:219.8V I:0.9581A P:199.8W PF:0.9734 Freq:49.99Hz Lamp Flux:33982.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-200W oH	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

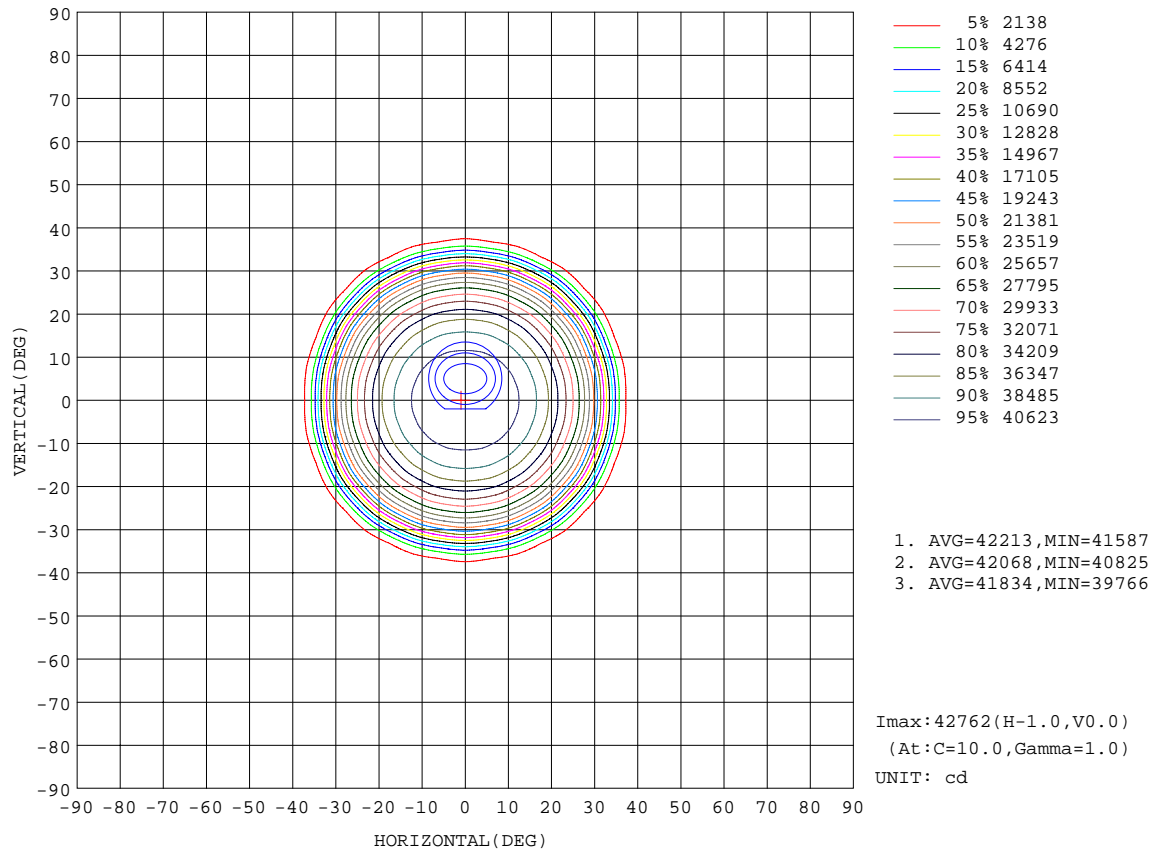
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	90	84	80	89	83	80	88	83	80	77
0.80	97	91	88	96	91	88	95	90	87	84
1.00	101	95	92	100	95	92	98	95	91	87
1.25	104	99	96	103	99	96	101	98	95	91
1.50	107	102	99	106	102	99	103	100	98	93
2.00	109	105	102	108	104	101	105	102	100	95
2.50	111	107	104	109	106	103	106	104	101	96
3.00	112	109	106	110	108	105	107	105	103	97
4.00	114	112	109	112	110	108	109	107	105	98
5.00	115	113	112	113	111	110	109	108	107	99
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:2017-12-22

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:219.8V I:0.9581A P:199.8W PF:0.9734 Freq:49.99Hz Lamp Flux:33982.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-200W oH	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

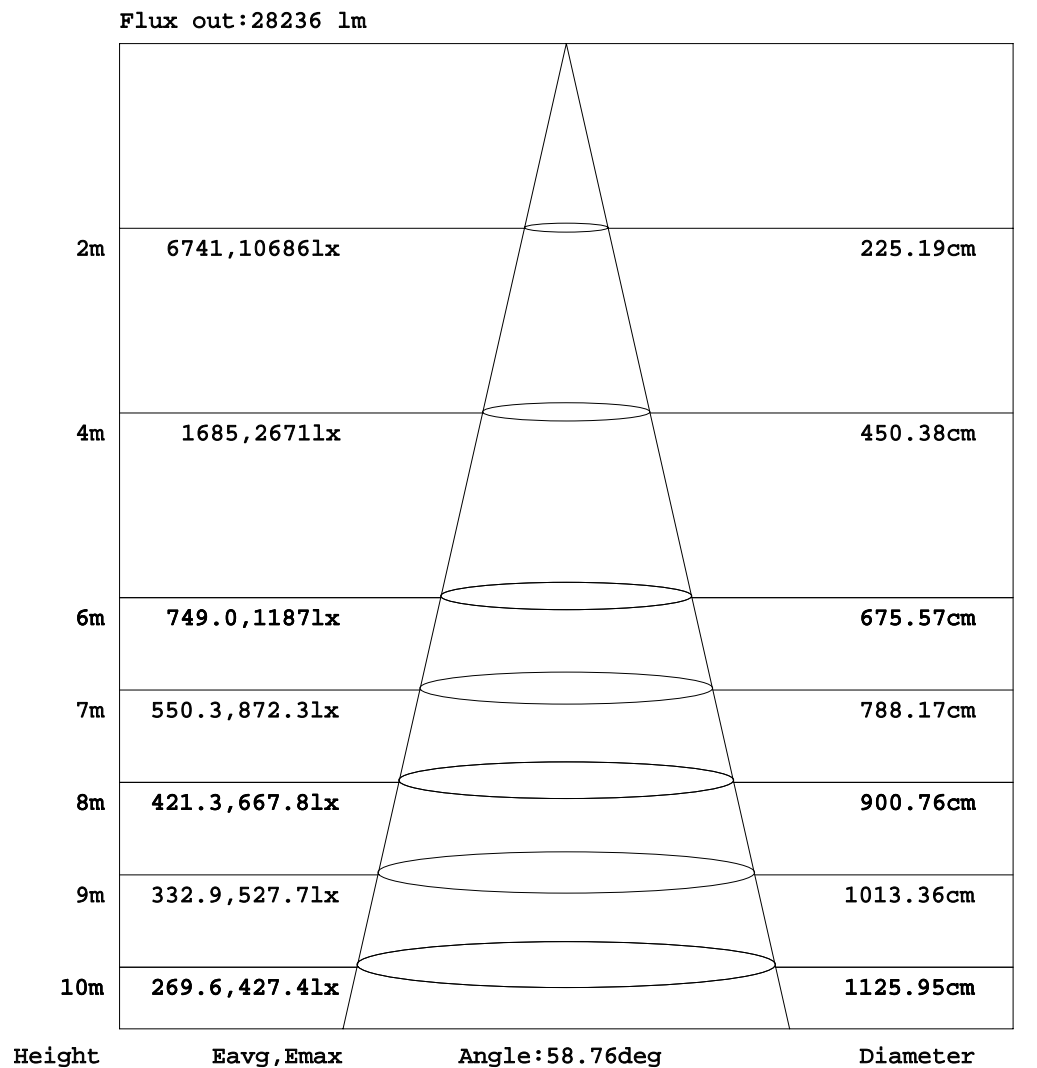


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-22

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:219.8V I:0.9581A P:199.8W PF:0.9734 Freq:49.99Hz Lamp Flux:33982.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-200W oH	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:



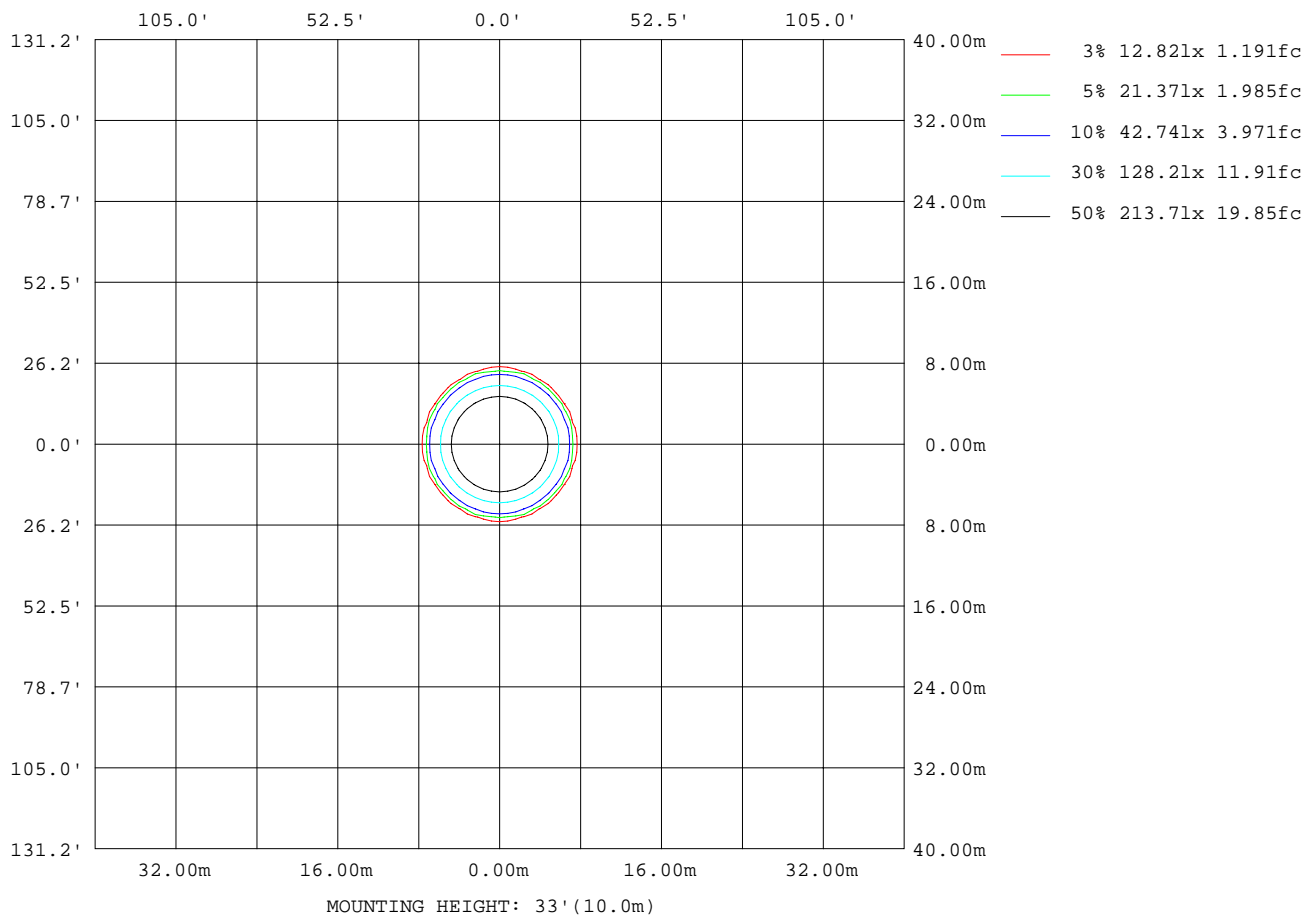
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-12-22

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:219.8V I:0.9581A P:199.8W PF:0.9734 Freq:49.99Hz Lamp Flux:33982.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-200W oH	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: 2017-12-22

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:219.8V I:0.9581A P:199.8W PF:0.9734 Freq:49.99Hz Lamp Flux:33982.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-200W oH	DIM.: ϕ 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.29M	Shielding Angle:

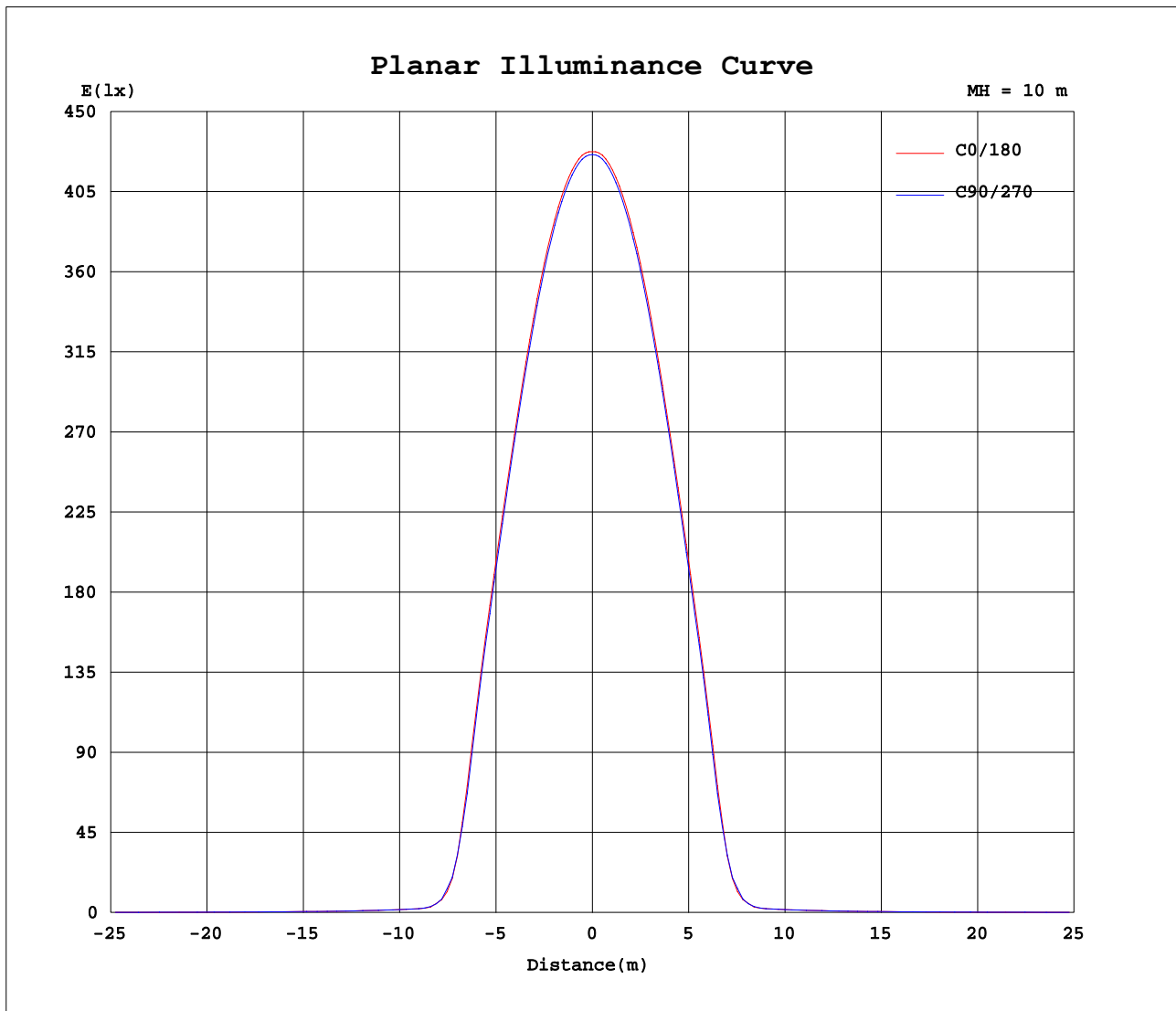
AvgL	cd/m2
L_0~180 (65) av	5919
L_0~180 (75) av	5560
L_0~180 (85) av	964
L_90~270 (65) av	6030
L_90~270 (75) av	5699
L_90~270 (85) av	954
L_45 (65) av	6037
L_45 (75) av	5678
L_45 (85) av	972

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-22

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: 2017-12-22

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:219.8V I:0.9581A P:199.8W PF:0.9734 Freq:49.99Hz Lamp Flux:33982.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-200W oH	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

Table--1

UNIT: $\times 10cd$

γ (DEG) \ C (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	4264	4264	4264	4264	4264	4264	4264	4264	4264	4264	4264	4264	4264	4264	4264	4264	4264	4264	4264
5	4244	4247	4245	4246	4243	4242	4240	4238	4235	4233	4235	4238	4240	4242	4243	4246	4245	4247	4244
10	4140	4144	4141	4141	4137	4137	4131	4129	4122	4120	4122	4129	4131	4137	4137	4141	4141	4144	4140
15	3931	3937	3929	3933	3923	3924	3914	3914	3902	3903	3902	3914	3914	3924	3923	3933	3929	3937	3931
20	3563	3571	3561	3567	3554	3557	3542	3544	3528	3530	3528	3544	3542	3557	3554	3567	3561	3571	3563
25	2987	2998	2978	2985	2963	2967	2946	2950	2930	2939	2930	2950	2946	2967	2963	2985	2978	2998	2987
30	2084	2106	2072	2087	2046	2060	2020	2036	2003	2030	2003	2036	2020	2060	2046	2087	2072	2106	2084
35	577	614	576	606	567	597	555	582	551	590	551	582	555	597	567	606	576	614	577
40	71.0	72.5	69.8	71.7	69.3	71.2	69.1	71.7	71.2	75.3	71.2	71.7	69.1	71.2	69.3	71.7	69.8	72.5	71.0
45	47.2	47.3	47.2	47.3	47.1	47.1	46.8	46.9	46.9	47.4	46.9	46.9	46.8	47.1	47.1	47.3	47.2	47.3	47.2
50	40.5	40.7	40.5	40.8	40.5	40.5	40.2	40.4	40.3	40.8	40.3	40.4	40.2	40.5	40.5	40.8	40.5	40.7	40.5
55	34.3	34.5	34.4	34.7	34.5	34.6	34.2	34.2	34.2	34.7	34.2	34.2	34.2	34.6	34.5	34.7	34.4	34.5	34.3
60	29.4	29.9	29.6	30.0	29.7	30.1	29.5	29.3	29.3	29.9	29.3	29.3	29.5	30.1	29.7	30.0	29.6	29.9	29.4
65	25.0	25.5	25.1	25.5	25.3	25.7	25.2	25.0	25.0	25.5	25.0	25.0	25.2	25.7	25.3	25.5	25.1	25.5	25.0
70	20.0	20.3	20.1	20.4	20.3	20.7	20.3	20.0	20.0	20.4	20.0	20.0	20.3	20.7	20.3	20.4	20.1	20.3	20.0
75	14.4	14.7	14.4	14.7	14.6	14.8	14.4	14.3	14.3	14.8	14.3	14.3	14.4	14.8	14.6	14.7	14.4	14.7	14.4
80	7.80	8.07	7.85	8.13	8.00	8.14	7.83	7.88	7.77	8.23	7.77	7.88	7.83	8.14	8.00	8.13	7.85	8.07	7.80
85	0.84	0.95	0.81	0.88	0.78	0.91	0.80	0.86	0.74	0.83	0.74	0.86	0.80	0.91	0.78	0.88	0.81	0.95	0.84
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: 2017-12-22

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:219.8V I:0.9581A P:199.8W PF:0.9734 Freq:49.99Hz Lamp Flux:33982.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-200W oH	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

Table--2

UNIT: $\times 10cd$

γ (DEG) \ C (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	4264	4264	4264	4264	4264	4264	4264	4264	4264	4264	4264	4264	4264	4264	4264	4264	4264		
5	4247	4245	4246	4243	4242	4240	4238	4235	4233	4235	4238	4240	4242	4243	4246	4245	4247		
10	4144	4141	4141	4137	4137	4131	4129	4122	4120	4122	4129	4131	4137	4137	4141	4141	4144		
15	3937	3929	3933	3923	3924	3914	3914	3902	3903	3902	3914	3914	3924	3923	3933	3929	3937		
20	3571	3561	3567	3554	3557	3542	3544	3528	3530	3528	3544	3542	3557	3554	3567	3561	3571		
25	2998	2978	2985	2963	2967	2946	2950	2930	2939	2930	2950	2946	2967	2963	2985	2978	2998		
30	2106	2072	2087	2046	2060	2020	2036	2003	2030	2003	2036	2020	2060	2046	2087	2072	2106		
35	614	576	606	567	597	555	582	551	590	551	582	555	597	567	606	576	614		
40	72.5	69.8	71.7	69.3	71.2	69.1	71.7	71.2	75.3	71.2	71.7	69.1	71.2	69.3	71.7	69.8	72.5		
45	47.3	47.2	47.3	47.1	47.1	46.8	46.9	46.9	47.4	46.9	46.9	46.8	47.1	47.1	47.3	47.2	47.3		
50	40.7	40.5	40.8	40.5	40.5	40.2	40.4	40.3	40.8	40.3	40.4	40.2	40.5	40.5	40.8	40.5	40.7		
55	34.5	34.4	34.7	34.5	34.6	34.2	34.2	34.2	34.7	34.2	34.2	34.2	34.6	34.5	34.7	34.4	34.5		
60	29.9	29.6	30.0	29.7	30.1	29.5	29.3	29.3	29.9	29.3	29.3	29.5	30.1	29.7	30.0	29.6	29.9		
65	25.5	25.1	25.5	25.3	25.7	25.2	25.0	25.0	25.5	25.0	25.0	25.2	25.7	25.3	25.5	25.1	25.5		
70	20.3	20.1	20.4	20.3	20.7	20.3	20.0	20.0	20.4	20.0	20.0	20.3	20.7	20.3	20.4	20.1	20.3		
75	14.7	14.4	14.7	14.6	14.8	14.4	14.3	14.3	14.8	14.3	14.3	14.4	14.8	14.6	14.7	14.4	14.7		
80	8.07	7.85	8.13	8.00	8.14	7.83	7.88	7.77	8.23	7.77	7.88	7.83	8.14	8.00	8.13	7.85	8.07		
85	0.95	0.81	0.88	0.78	0.91	0.80	0.86	0.74	0.83	0.74	0.86	0.80	0.91	0.78	0.88	0.81	0.95		
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: 2017-12-22

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: