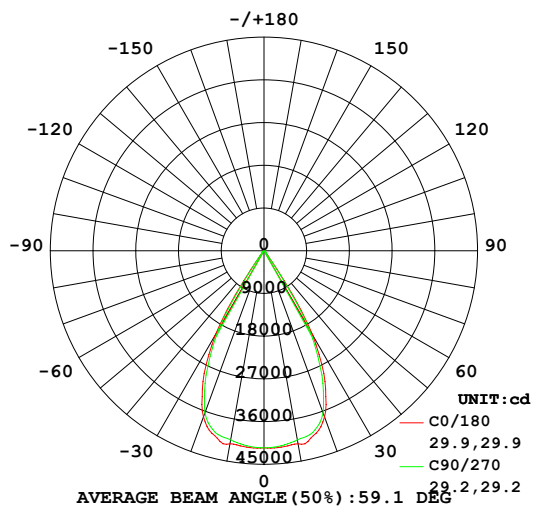


LUMINAIRE PHOTOMETRIC TEST REPORT

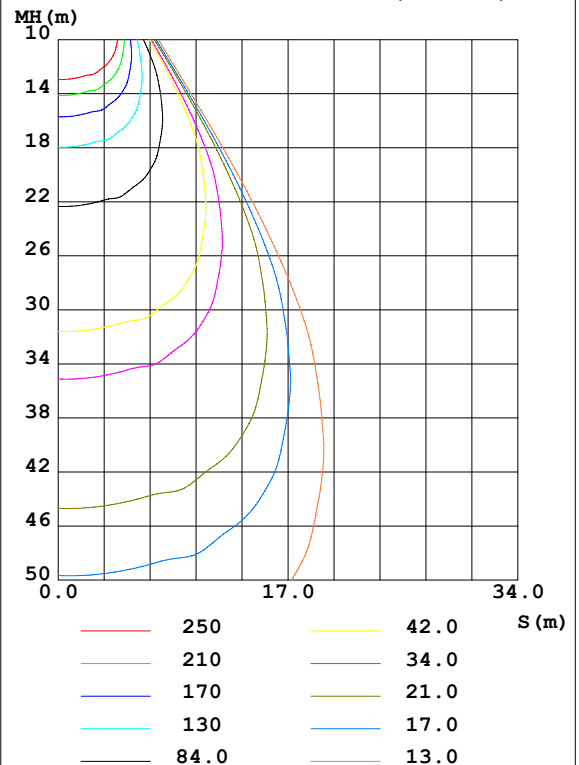
Test:U:220.0V I:0.9677A P:200.1W PF:0.9742 Freq:49.99Hz Lamp Flux:33385.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200Woh-5050-60D-PC	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 166.84 lm/W			
MODEL	5050	I _{max} (cd)	41671	S/MH (C0/180)	0.86
NOMINAL POWER (W)	200	LOR (%)	100.0	S/MH (C90/270)	0.85
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	33385	η UP,DN (C0-180)	0.0,50.0
NOMINAL FLUX (lm)	33385.2	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:2018-01-08

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	4131	4127	4047	4127	4131	4127	4047	4127	0- 10	3940	3940	11.8,11.8
20	3726	3680	3641	3680	3726	3680	3641	3680	10- 20	11215	15155	45.4,45.4
30	2060	1964	1903	1964	2060	1964	1903	1964	20- 30	13243	28397	85.1,85.1
40	88.17	83.74	82.87	83.74	88.17	83.74	82.87	83.74	30- 40	3953	32350	96.9,96.9
50	48.68	47.87	48.36	47.87	48.68	47.87	48.36	47.87	40- 50	481.0	32831	98.3,98.3
60	19.19	18.57	18.87	18.57	19.19	18.57	18.87	18.57	50- 60	276.9	33108	99.2,99.2
70	13.00	12.56	12.10	12.56	13.00	12.56	12.10	12.56	60- 70	151.1	33259	99.6,99.6
80	6.014	5.645	5.395	5.645	6.014	5.645	5.395	5.645	70- 80	96.83	33356	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	29.24	33385	100,100
100	0	0	0	0	0	0	0	0	90-100	0	33385	100,100
110	0	0	0	0	0	0	0	0	100-110	0	33385	100,100
120	0	0	0	0	0	0	0	0	110-120	0	33385	100,100
130	0	0	0	0	0	0	0	0	120-130	0	33385	100,100
140	0	0	0	0	0	0	0	0	130-140	0	33385	100,100
150	0	0	0	0	0	0	0	0	140-150	0	33385	100,100
160	0	0	0	0	0	0	0	0	150-160	0	33385	100,100
170	0	0	0	0	0	0	0	0	160-170	0	33385	100,100
180	0	0	0	0	0	0	0	0	170-180	0	33385	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 32610 lm

%lum = 97.7%

%lamp = 97.7%

Conical surface Flux(120deg): 33108 lm

%lum = 99.2%

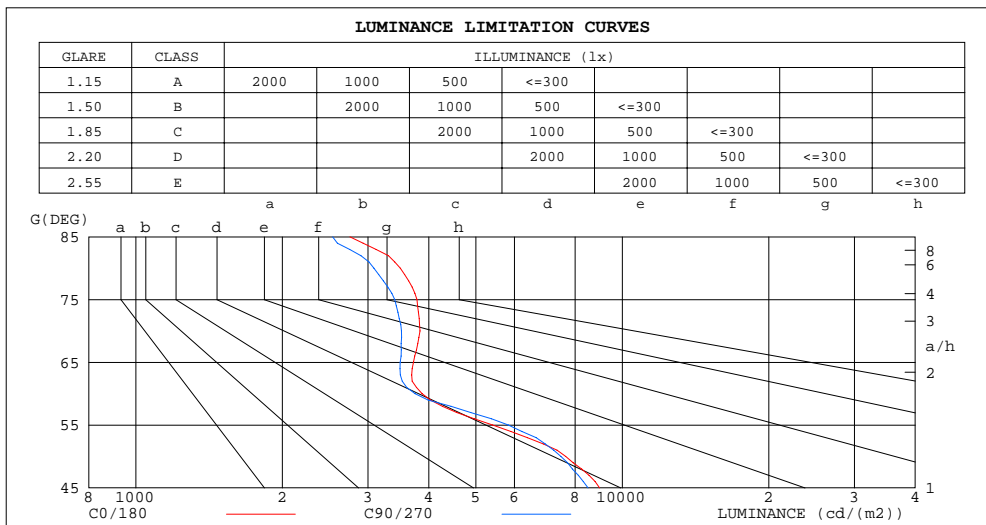
%lamp = 99.2%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-08

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:0.9677A P:200.1W PF:0.9742 Freq:49.99Hz Lamp Flux:33385.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200Woh-5050-60D-PC	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	2754	2537
80	3497	3086
75	3782	3405
70	3837	3516
65	3721	3493
60	3876	3750
55	5415	5832
50	7647	7474
45	8981	8505

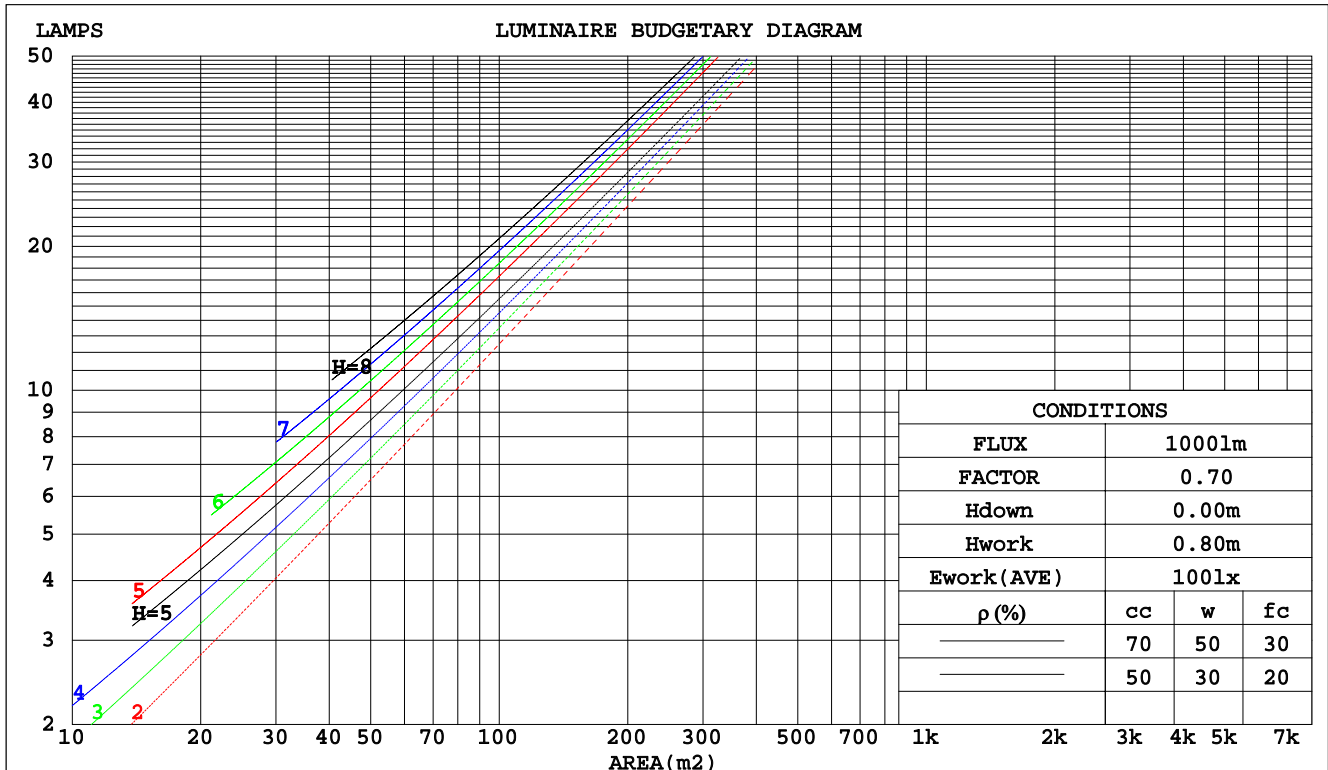
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-08

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=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.0V I:0.9677A P:200.1W PF:0.9742 Freq:49.99Hz Lamp Flux:33385.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200Woh-5050-60D-PC	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	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.96	.94
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.94	.92	.90	.88
3.0	.98	.93	.89	.96	.92	.89	.94	.90	.87	.91	.88	.86	.89	.87	.85	.83
4.0	.92	.87	.83	.91	.86	.83	.89	.85	.82	.87	.83	.81	.85	.82	.80	.78
5.0	.87	.81	.78	.86	.81	.77	.84	.80	.76	.83	.79	.76	.81	.78	.75	.74
6.0	.82	.77	.73	.81	.76	.72	.80	.75	.72	.79	.75	.71	.77	.74	.71	.70
7.0	.78	.72	.68	.77	.72	.68	.76	.71	.68	.75	.71	.67	.74	.70	.67	.66
8.0	.74	.68	.64	.73	.68	.64	.72	.67	.64	.71	.67	.64	.70	.66	.64	.62
9.0	.70	.65	.61	.70	.64	.61	.69	.64	.61	.68	.64	.60	.67	.63	.60	.59
10.0	.67	.61	.58	.66	.61	.58	.66	.61	.58	.65	.60	.57	.64	.60	.57	.56



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-08

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:0.9677A P:200.1W PF:0.9742 Freq:49.99Hz Lamp Flux:33385.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-5050-60D-PC	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	.169	.096	.030	.162	.093	.029	.150	.086	.027	.138	.080	.026	.128	.074	.024	
2.0	.160	.088	.027	.155	.085	.026	.144	.080	.025	.134	.075	.024	.126	.071	.022	
3.0	.152	.081	.024	.147	.079	.024	.138	.075	.023	.130	.071	.022	.122	.068	.021	
4.0	.144	.075	.022	.140	.073	.022	.132	.070	.021	.125	.067	.020	.119	.065	.020	
5.0	.137	.070	.020	.134	.069	.020	.127	.066	.019	.121	.064	.019	.115	.062	.018	
6.0	.131	.066	.019	.128	.065	.019	.122	.063	.018	.117	.061	.018	.112	.059	.017	
7.0	.125	.062	.018	.123	.061	.017	.117	.059	.017	.113	.058	.017	.108	.056	.017	
8.0	.120	.059	.016	.118	.058	.016	.113	.056	.016	.109	.055	.016	.105	.054	.016	
9.0	.115	.056	.016	.113	.055	.015	.109	.054	.015	.105	.053	.015	.102	.052	.015	
10.0	.111	.053	.015	.109	.053	.015	.105	.052	.015	.102	.051	.014	.098	.049	.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	.087	.057	.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	.083	.068	.055	.048	.040	.033	.015	.013	.011	
4.0	.131	.099	.074	.112	.085	.064	.077	.059	.045	.045	.035	.027	.014	.011	.009	
5.0	.122	.087	.061	.105	.075	.053	.072	.053	.037	.042	.031	.022	.013	.010	.007	
6.0	.114	.077	.051	.098	.067	.044	.068	.047	.031	.039	.028	.019	.013	.009	.006	
7.0	.108	.070	.043	.093	.060	.038	.064	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.102	.063	.037	.088	.055	.032	.061	.039	.023	.035	.023	.014	.011	.007	.005	
9.0	.097	.058	.032	.083	.051	.028	.058	.036	.020	.034	.021	.012	.011	.007	.004	
10.0	.092	.054	.028	.080	.047	.025	.055	.033	.017	.032	.019	.010	.010	.006	.003	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-08

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:0.9677A P:200.1W PF:0.9742 Freq:49.99Hz Lamp Flux:33385.2x1 lm											
NAME: AOK-øH					TYPE:LED			WEIGHT:6.0KG			
SPEC.:AOK-200WøH-5050-60D-PC					DIM.: ø0.4*0.141M			SERIAL No.:1			
MFR.: AOK					SUR.:ø0.29M			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		5.5	6.4	5.7	6.5	6.7	4.2	5.1	4.4	5.2	5.4
	3H	5.4	6.2	5.7	6.4	6.6	4.2	5.0	4.4	5.2	5.4
	4H	5.4	6.2	5.7	6.4	6.6	4.1	4.9	4.4	5.1	5.3
	6H	5.4	6.1	5.7	6.3	6.6	4.1	4.8	4.4	5.1	5.3
	8H	5.3	6.0	5.7	6.3	6.5	4.1	4.8	4.4	5.0	5.3
	12H	5.3	6.0	5.6	6.2	6.5	4.1	4.7	4.4	5.0	5.3
4H	2H	5.3	6.0	5.6	6.3	6.5	4.0	4.8	4.3	5.0	5.2
	3H	5.2	5.9	5.6	6.2	6.4	4.0	4.7	4.3	4.9	5.2
	4H	5.2	5.8	5.6	6.1	6.5	4.0	4.6	4.4	4.9	5.2
	6H	5.3	5.8	5.6	6.1	6.5	4.1	4.6	4.4	4.9	5.3
	8H	5.2	5.7	5.6	6.1	6.4	4.0	4.5	4.4	4.9	5.3
	12H	5.2	5.7	5.6	6.0	6.4	4.0	4.5	4.4	4.8	5.2
8H	4H	5.2	5.6	5.5	6.0	6.4	4.0	4.5	4.4	4.8	5.2
	6H	5.2	5.6	5.6	6.0	6.4	4.0	4.4	4.4	4.8	5.2
	8H	5.2	5.5	5.6	6.0	6.4	4.0	4.4	4.5	4.8	5.2
	12H	5.2	5.5	5.6	5.9	6.4	4.0	4.3	4.5	4.8	5.2
12H	4H	5.1	5.6	5.5	5.9	6.3	3.9	4.4	4.3	4.7	5.1
	6H	5.1	5.5	5.6	5.9	6.4	4.0	4.3	4.4	4.8	5.2
	8H	5.2	5.5	5.6	5.9	6.4	4.0	4.3	4.5	4.7	5.2
Variations with the observer position at spacings:											
S = 1.0H		+ 2.1 / - 1.3					+ 1.8 / - 1.0				
1.5H		+ 3.4 / - 1.1					+ 2.8 / - 1.0				
2.0H		+ 1.4 / - 1.0					+ 1.4 / - 1.1				

CIE Pub.117, 33385 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:2018-01-08

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:0.9677A P:200.1W PF:0.9742 Freq:49.99Hz Lamp Flux:33385.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-5050-60D-PC	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

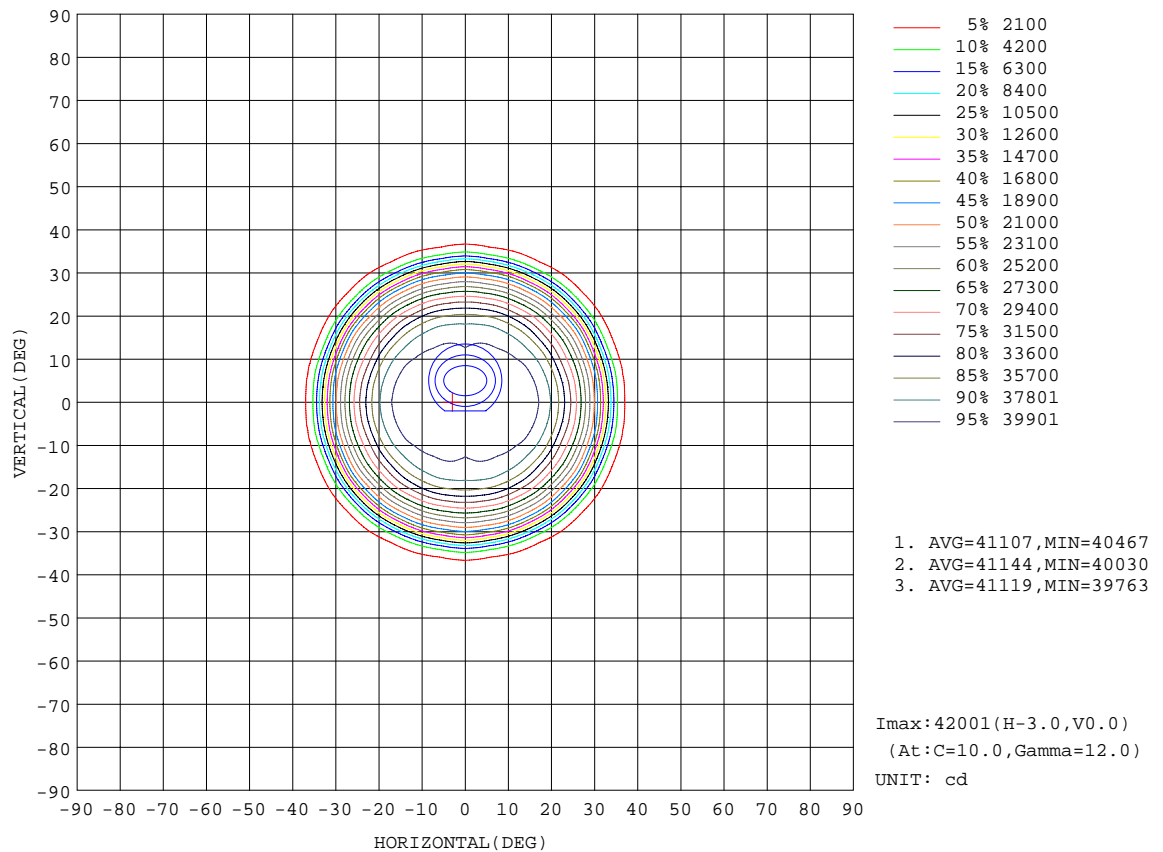
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	90	84	80	89	84	80	88	83	80	77
0.80	97	91	88	96	91	88	95	90	87	84
1.00	101	95	92	100	95	92	98	95	91	88
1.25	104	100	96	103	99	96	101	98	95	91
1.50	107	102	99	106	102	99	104	100	98	93
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	106	110	108	105	107	105	103	97
4.00	114	112	110	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:2018-01-08

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:0.9677A P:200.1W PF:0.9742 Freq:49.99Hz Lamp Flux:33385.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-5050-60D-PC	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:



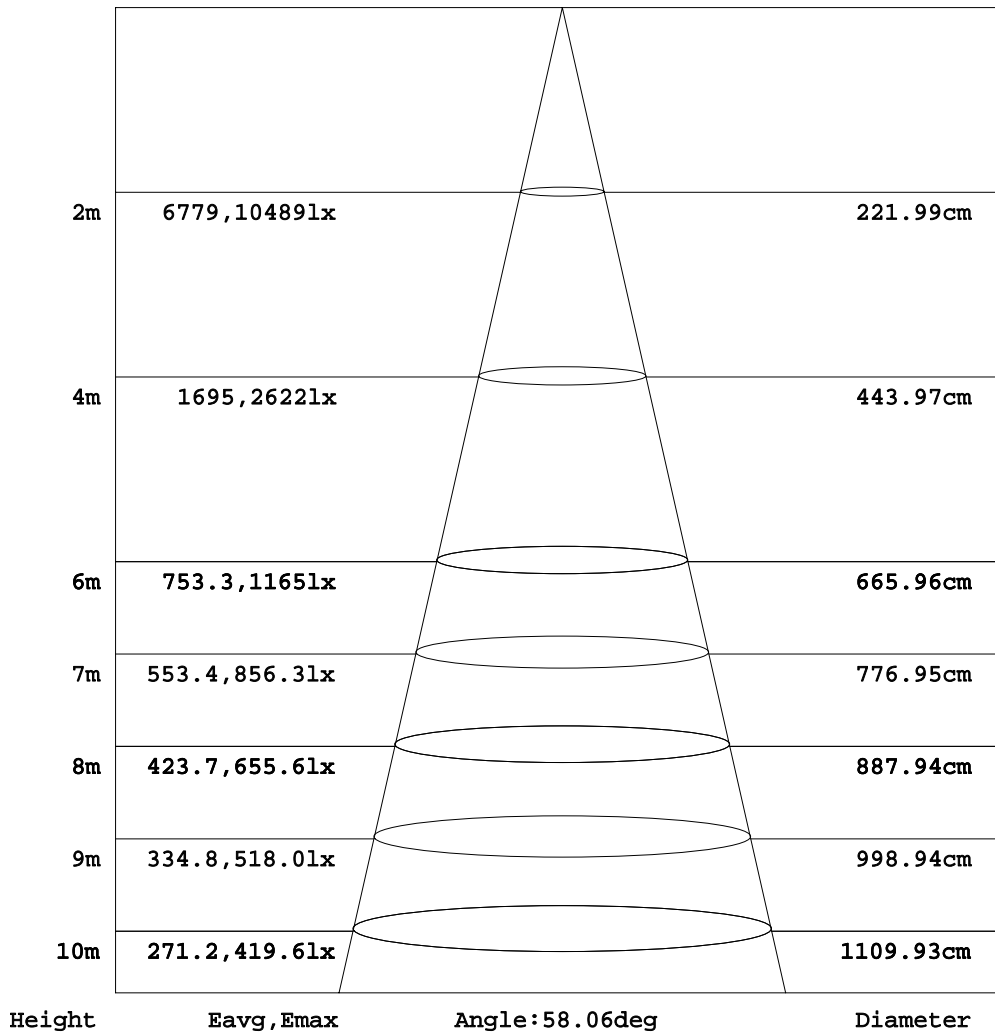
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-08

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:0.9677A P:200.1W PF:0.9742 Freq:49.99Hz Lamp Flux:33385.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200Woh-5050-60D-PC	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

Flux out:28397 lm



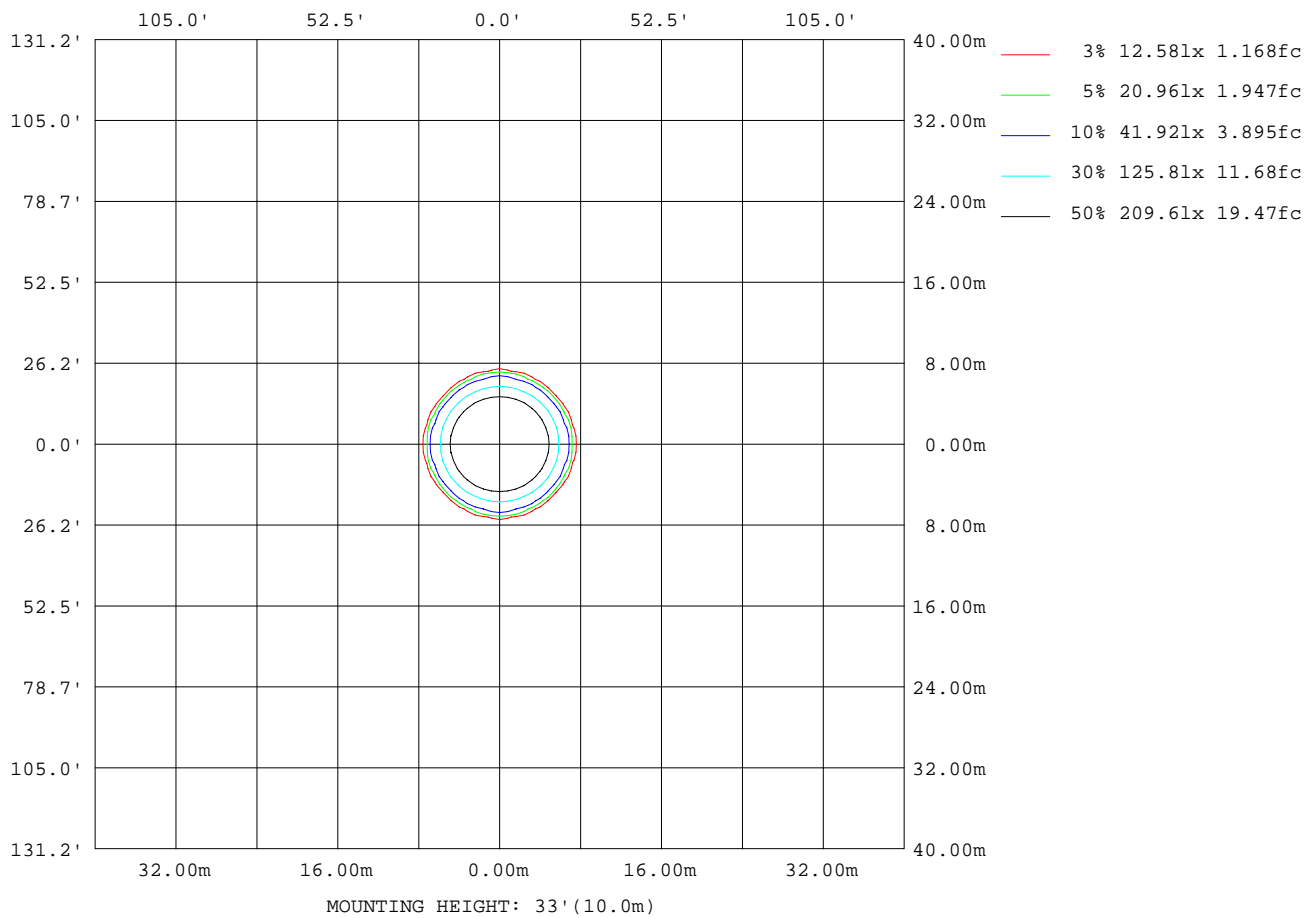
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-01-08

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:0.9677A P:200.1W PF:0.9742 Freq:49.99Hz Lamp Flux:33385.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200Woh-5050-60D-PC	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: 2018-01-08

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:0.9677A P:200.1W PF:0.9742 Freq:49.99Hz Lamp Flux:33385.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200Woh-5050-60D-PC	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

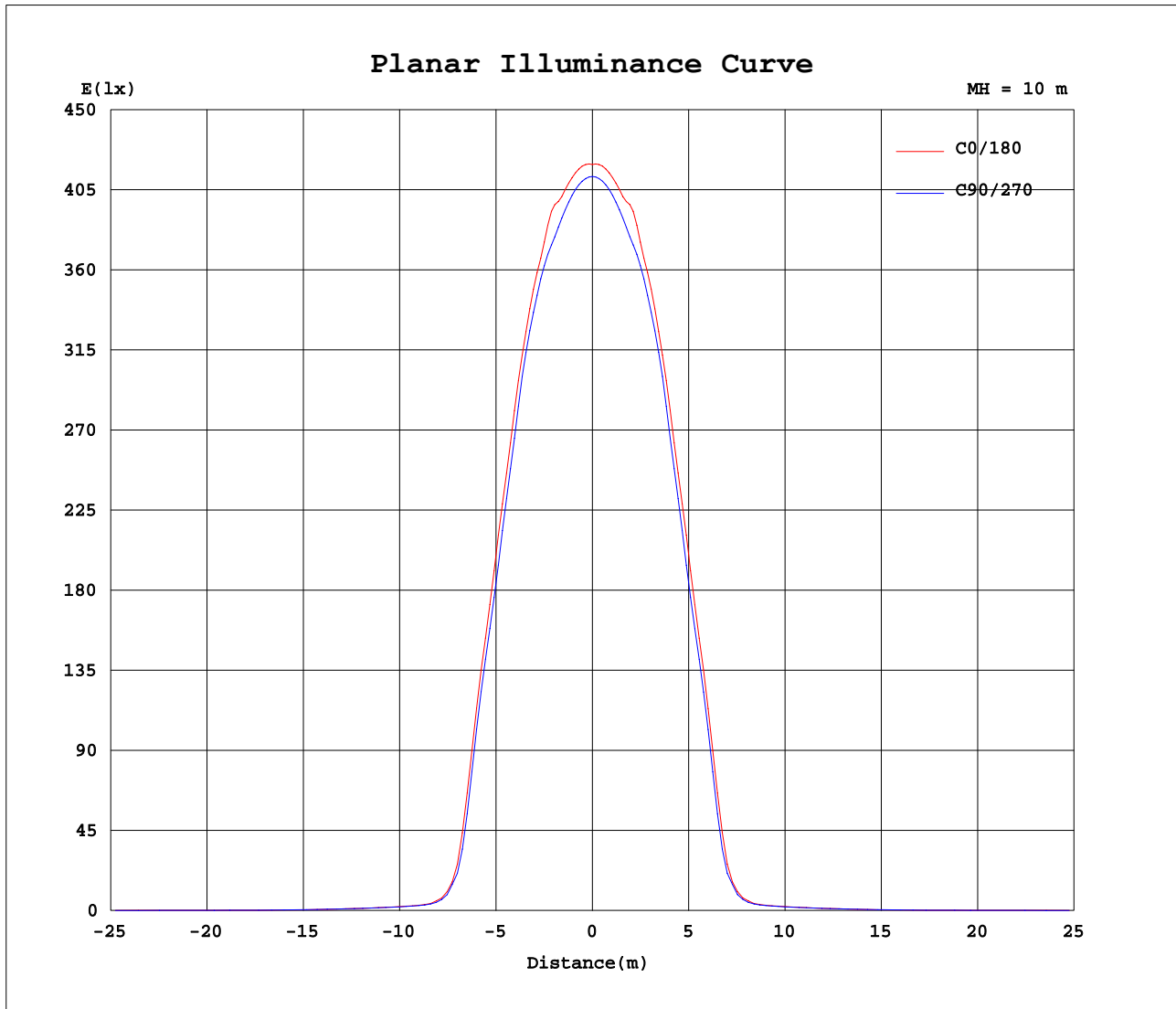
AvgL	cd/m2
L_0~180 (65) av	3685
L_0~180 (75) av	3746
L_0~180 (85) av	2727
L_90~270 (65) av	3516
L_90~270 (75) av	3428
L_90~270 (85) av	2553
L_45 (65) av	3608
L_45 (75) av	3604
L_45 (85) av	2478

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-08

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: 2018-01-08

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:0.9677A P:200.1W PF:0.9742 Freq:49.99Hz Lamp Flux:33385.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-5050-60D-PC	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	4152	4152	4152	4152	4152	4152	4152	4152	4152	4152	4152	4152	4152	4152	4152	4152	4152	4152	4152
5	4153	4154	4151	4150	4146	4143	4137	4134	4128	4125	4128	4134	4137	4143	4146	4150	4151	4154	4153
10	4131	4140	4146	4143	4135	4118	4095	4073	4056	4047	4056	4073	4095	4118	4135	4143	4146	4140	4131
15	4029	4047	4040	4040	4009	3997	3982	3986	3981	3965	3981	3986	3982	3997	4009	4040	4040	4047	4029
20	3726	3728	3717	3709	3685	3675	3664	3662	3643	3641	3643	3662	3664	3675	3685	3709	3717	3728	3726
25	3041	3039	3001	2999	2979	2973	2932	2919	2880	2888	2880	2919	2932	2973	2979	2999	3001	3039	3041
30	2060	2078	2043	2039	1972	1957	1899	1899	1856	1903	1856	1899	1899	1957	1972	2039	2043	2078	2060
35	470	468	420	417	375	375	344	354	345	385	345	354	344	375	375	417	420	468	470
40	88.2	87.8	85.4	85.5	83.5	84.0	82.2	82.5	80.9	82.9	80.9	82.5	82.2	84.0	83.5	85.5	85.4	87.8	88.2
45	62.9	62.4	61.2	61.7	61.9	62.6	61.9	61.5	60.3	60.5	60.3	61.5	61.9	62.6	61.9	61.7	61.2	62.4	62.9
50	48.7	47.5	46.0	46.6	47.1	48.7	48.4	48.4	48.0	48.4	48.0	48.4	48.4	48.7	47.1	46.6	46.0	47.5	48.7
55	30.8	30.2	29.0	29.2	28.8	29.5	29.5	30.7	31.7	33.7	31.7	30.7	29.5	29.5	28.8	29.2	29.0	30.2	30.8
60	19.2	19.2	19.1	19.1	18.7	18.4	18.1	18.0	18.2	18.9	18.2	18.0	18.1	18.4	18.7	19.1	19.1	19.2	19.2
65	15.6	15.6	15.5	15.4	15.4	15.1	14.9	14.7	14.8	14.9	14.8	14.7	14.9	15.1	15.4	15.4	15.5	15.6	15.6
70	13.0	12.9	12.9	12.8	12.6	12.5	12.2	12.1	12.0	12.1	12.0	12.1	12.2	12.5	12.6	12.8	12.9	12.9	13.0
75	9.69	9.70	9.55	9.45	9.38	9.26	9.02	8.92	8.80	8.87	8.80	8.92	9.02	9.26	9.38	9.45	9.55	9.70	9.69
80	6.01	6.02	5.81	5.75	5.66	5.63	5.45	5.43	5.29	5.40	5.29	5.43	5.45	5.63	5.66	5.75	5.81	6.02	6.01
85	2.38	2.37	2.22	2.22	2.15	2.18	2.14	2.17	2.14	2.23	2.14	2.17	2.14	2.18	2.15	2.22	2.22	2.37	2.38
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:2018-01-08

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:0.9677A P:200.1W PF:0.9742 Freq:49.99Hz Lamp Flux:33385.2x1 lm																	
NAME: AOK-oH									TYPE:LED						WEIGHT:6.0KG		
SPEC.:AOK-200WoH-5050-60D-PC									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	4152	4152	4152	4152	4152	4152	4152	4152	4152	4152	4152	4152	4152	4152	4152	4152	4152		
5	4154	4151	4150	4146	4143	4137	4134	4128	4125	4128	4134	4137	4143	4146	4150	4151	4154		
10	4140	4146	4143	4135	4118	4095	4073	4056	4047	4056	4073	4095	4118	4135	4143	4146	4140		
15	4047	4040	4040	4009	3997	3982	3986	3981	3965	3981	3986	3982	3997	4009	4040	4040	4047		
20	3728	3717	3709	3685	3675	3664	3662	3643	3641	3643	3662	3664	3675	3685	3709	3717	3728		
25	3039	3001	2999	2979	2973	2932	2919	2880	2888	2880	2919	2932	2973	2979	2999	3001	3039		
30	2078	2043	2039	1972	1957	1899	1899	1856	1903	1856	1899	1899	1957	1972	2039	2043	2078		
35	468	420	417	375	375	344	354	345	385	345	354	344	375	375	417	420	468		
40	87.8	85.4	85.5	83.5	84.0	82.2	82.5	80.9	82.9	80.9	82.5	82.2	84.0	83.5	85.5	85.4	87.8		
45	62.4	61.2	61.7	61.9	62.6	61.9	61.5	60.3	60.5	60.3	61.5	61.9	62.6	61.9	61.7	61.2	62.4		
50	47.5	46.0	46.6	47.1	48.7	48.4	48.4	48.0	48.4	48.0	48.4	48.4	48.7	47.1	46.6	46.0	47.5		
55	30.2	29.0	29.2	28.8	29.5	29.5	30.7	31.7	33.7	31.7	30.7	29.5	29.5	28.8	29.2	29.0	30.2		
60	19.2	19.1	19.1	18.7	18.4	18.1	18.0	18.2	18.9	18.2	18.0	18.1	18.4	18.7	19.1	19.1	19.2		
65	15.6	15.5	15.4	15.4	15.1	14.9	14.7	14.8	14.9	14.8	14.7	14.9	15.1	15.4	15.4	15.5	15.6		
70	12.9	12.9	12.8	12.6	12.5	12.2	12.1	12.0	12.1	12.0	12.1	12.2	12.5	12.6	12.8	12.9	12.9		
75	9.70	9.55	9.45	9.38	9.26	9.02	8.92	8.80	8.87	8.80	8.92	9.02	9.26	9.38	9.45	9.55	9.70		
80	6.02	5.81	5.75	5.66	5.63	5.45	5.43	5.29	5.40	5.29	5.43	5.45	5.63	5.66	5.75	5.81	6.02		
85	2.37	2.22	2.22	2.15	2.18	2.14	2.17	2.14	2.23	2.14	2.17	2.14	2.18	2.15	2.22	2.22	2.37		
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:2018-01-08

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: