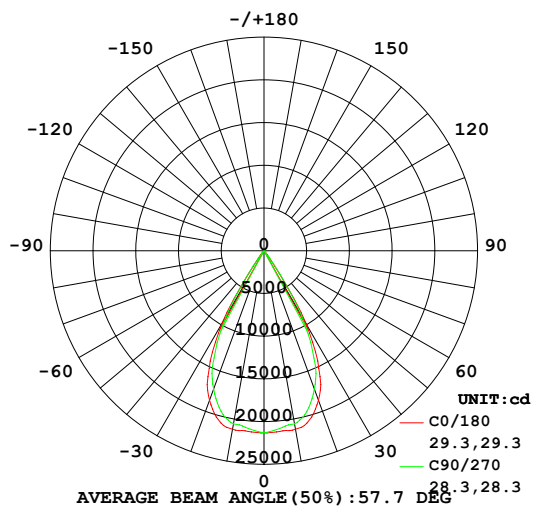


LUMINAIRE PHOTOMETRIC TEST REPORT

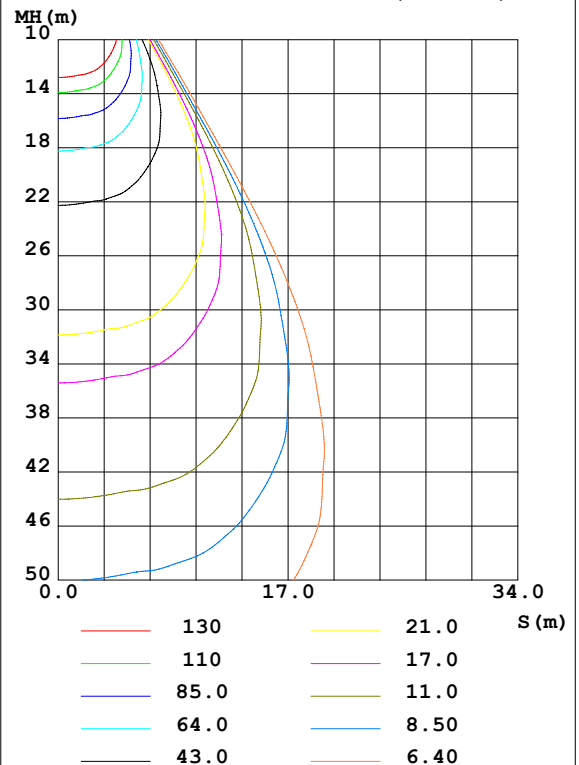
Test:U:220.0V I:0.4809A P:100.1W PF:0.9850 Freq:49.99Hz Lamp Flux:16043x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-5050-60D-PC	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 160.27 lm/W			
MODEL	5050	I _{max} (cd)	21323	S/MH (C0/180)	0.85
NOMINAL POWER (W)	100.1	LOR (%)	100.0	S/MH (C90/270)	0.83
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	16043	η UP,DN (C0-180)	0.0,50.0
NOMINAL FLUX (lm)	16043	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	0.80

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	2121	2080	2059	2080	2121	2080	2059	2080	0- 10	2002	2002	12.5,12.5
20	1865	1748	1724	1748	1865	1748	1724	1748	10- 20	5514	7516	46.9,46.9
30	985.9	884.2	889.3	884.2	985.9	884.2	889.3	884.2	20- 30	6293	13809	86.1,86.1
40	35.25	34.07	38.36	34.07	35.25	34.07	38.36	34.07	30- 40	1861	15670	97.7,97.7
50	12.88	12.73	13.07	12.73	12.88	12.73	13.07	12.73	40- 50	157.9	15828	98.7,98.7
60	8.388	8.496	8.673	8.496	8.388	8.496	8.673	8.496	50- 60	92.72	15920	99.2,99.2
70	5.290	5.342	5.382	5.342	5.290	5.342	5.382	5.342	60- 70	68.77	15989	99.7,99.7
80	2.199	2.164	2.387	2.164	2.199	2.164	2.387	2.164	70- 80	39.30	16028	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	14.54	16043	100,100
100	0	0	0	0	0	0	0	0	90-100	0	16043	100,100
110	0	0	0	0	0	0	0	0	100-110	0	16043	100,100
120	0	0	0	0	0	0	0	0	110-120	0	16043	100,100
130	0	0	0	0	0	0	0	0	120-130	0	16043	100,100
140	0	0	0	0	0	0	0	0	130-140	0	16043	100,100
150	0	0	0	0	0	0	0	0	140-150	0	16043	100,100
160	0	0	0	0	0	0	0	0	150-160	0	16043	100,100
170	0	0	0	0	0	0	0	0	160-170	0	16043	100,100
180	0	0	0	0	0	0	0	0	170-180	0	16043	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 15765 lm

%lum = 98.3%

%lamp = 98.3%

Conical surface Flux(120deg): 15920 lm

%lum = 99.2%

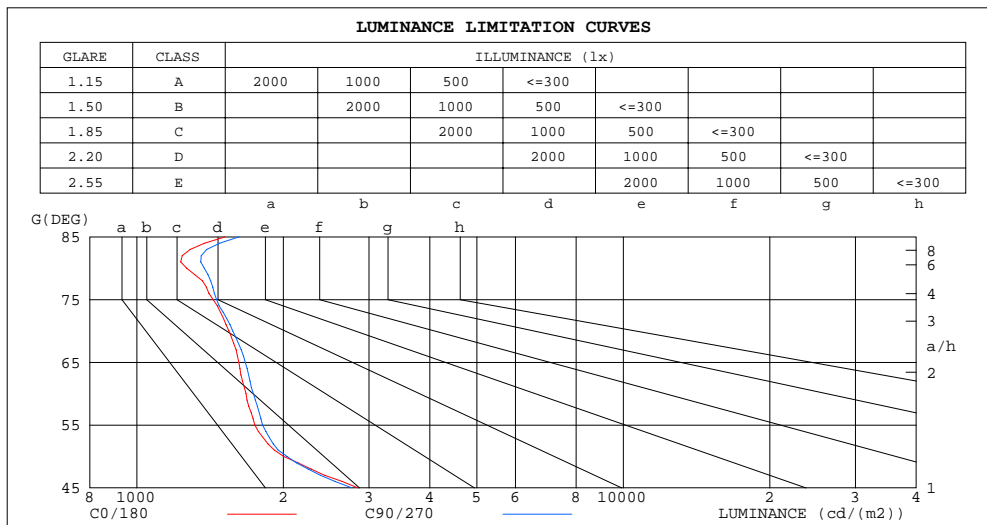
%lamp = 99.2%

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:0.4809A P:100.1W PF:0.9850 Freq:49.99Hz Lamp Flux:16043x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-5050-60D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:



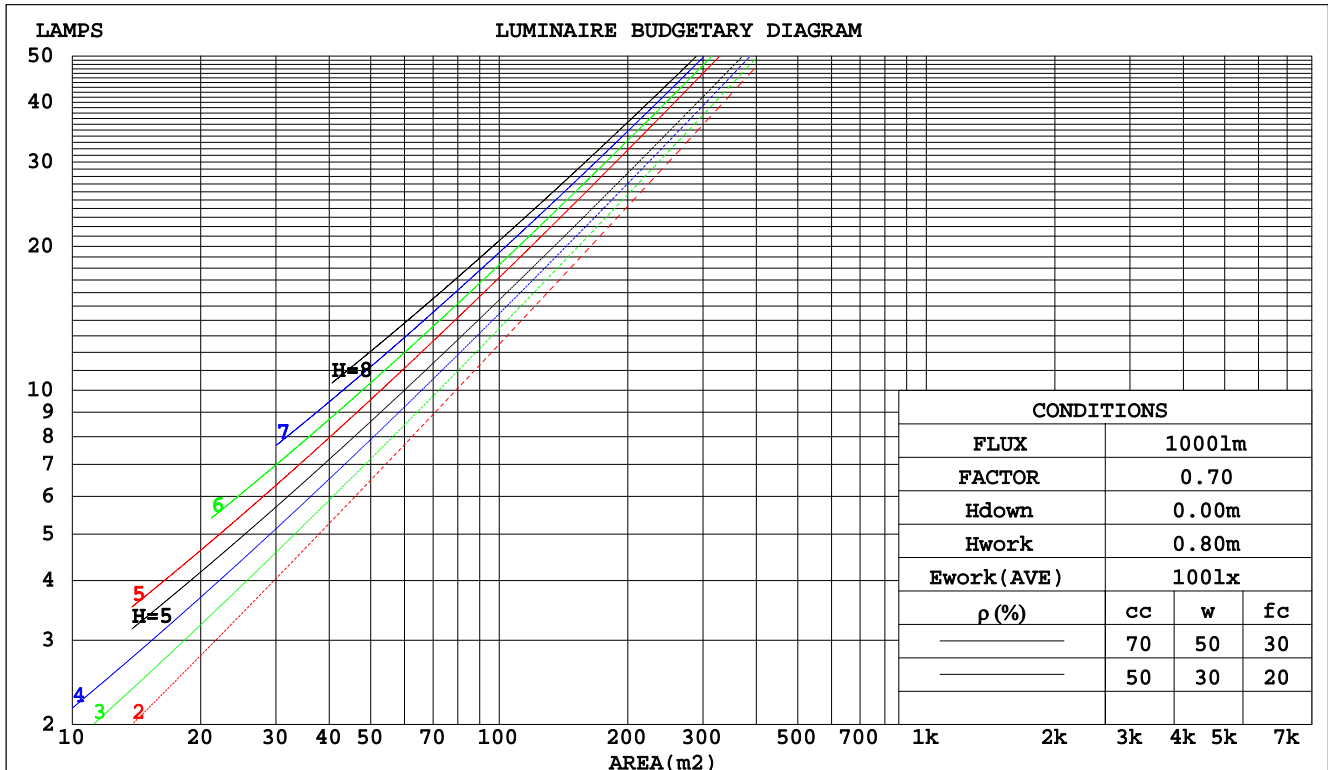
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-08

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.0V I:0.4809A P:100.1W PF:0.9850 Freq:49.99Hz Lamp Flux:16043x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-5050-60D-PC	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	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	1.00
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	1.01	.97	1.03	.99	.96	.99	.97	.94	.97	.94	.92	.94	.92	.90	.89
3.0	.98	.94	.90	.97	.93	.89	.94	.91	.88	.92	.89	.86	.90	.87	.85	.84
4.0	.92	.87	.84	.91	.87	.83	.89	.85	.82	.87	.84	.81	.86	.83	.80	.79
5.0	.87	.82	.78	.86	.81	.78	.85	.80	.77	.83	.79	.76	.82	.78	.76	.74
6.0	.83	.77	.73	.82	.77	.73	.80	.76	.73	.79	.75	.72	.78	.74	.72	.70
7.0	.78	.73	.69	.78	.73	.69	.77	.72	.69	.75	.71	.68	.74	.71	.68	.67
8.0	.74	.69	.65	.74	.69	.65	.73	.68	.65	.72	.68	.65	.71	.67	.64	.63
9.0	.71	.65	.62	.70	.65	.62	.69	.65	.61	.69	.64	.61	.68	.64	.61	.60
10.0	.67	.62	.59	.67	.62	.59	.66	.62	.58	.66	.61	.58	.65	.61	.58	.57



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:0.4809A P:100.1W PF:0.9850 Freq:49.99Hz Lamp Flux:16043x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-5050-60D-PC	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	.167	.095	.030	.160	.092	.029	.148	.085	.027	.136	.079	.025	.126	.073	.024		
2.0	.158	.087	.027	.153	.084	.026	.142	.079	.025	.132	.074	.023	.123	.070	.022		
3.0	.150	.080	.024	.145	.078	.023	.136	.074	.022	.128	.070	.021	.120	.067	.021		
4.0	.142	.074	.022	.138	.072	.021	.130	.069	.021	.123	.066	.020	.117	.063	.019		
5.0	.135	.069	.020	.132	.068	.020	.125	.065	.019	.119	.063	.019	.113	.061	.018		
6.0	.129	.065	.019	.126	.064	.018	.120	.062	.018	.115	.060	.018	.110	.058	.017		
7.0	.124	.061	.017	.121	.060	.017	.116	.059	.017	.111	.057	.017	.106	.055	.016		
8.0	.118	.058	.016	.116	.057	.016	.112	.056	.016	.107	.054	.016	.103	.053	.015		
9.0	.114	.055	.015	.112	.054	.015	.108	.053	.015	.104	.052	.015	.100	.051	.015		
10.0	.109	.052	.015	.107	.052	.014	.104	.051	.014	.100	.050	.014	.097	.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	.170	.157	.146	.146	.135	.125	.100	.093	.087	.057	.054	.050	.018	.017	.016	
2.0	.154	.133	.114	.132	.114	.099	.091	.079	.069	.052	.046	.040	.017	.015	.013	
3.0	.141	.113	.091	.121	.098	.079	.083	.068	.056	.048	.040	.033	.015	.013	.011	
4.0	.130	.099	.074	.112	.085	.065	.077	.059	.045	.045	.035	.027	.014	.011	.009	
5.0	.121	.087	.061	.104	.075	.053	.072	.052	.038	.042	.031	.022	.013	.010	.007	
6.0	.114	.077	.051	.098	.067	.045	.067	.047	.032	.039	.028	.019	.013	.009	.006	
7.0	.107	.070	.043	.092	.060	.038	.064	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.101	.063	.037	.087	.055	.033	.060	.039	.023	.035	.023	.014	.011	.007	.005	
9.0	.096	.058	.032	.083	.050	.028	.057	.035	.020	.033	.021	.012	.011	.007	.004	
10.0	.092	.054	.028	.079	.047	.025	.055	.033	.018	.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:0.4809A P:100.1W PF:0.9850 Freq:49.99Hz Lamp Flux:16043x1 lm												
NAME: AOK-oH					TYPE:LED			WEIGHT:2.9KG				
SPEC.:AOK-100WoH-5050-60D-PC					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	4.7	5.6	4.9	5.8	5.9	4.0	4.9	4.2	5.0	5.2	
	3H	4.6	5.4	4.9	5.6	5.8	4.0	4.8	4.2	5.0	5.2	
	4H	4.6	5.4	4.9	5.6	5.8	3.9	4.7	4.2	4.9	5.1	
	6H	4.6	5.3	4.9	5.5	5.8	3.9	4.6	4.2	4.9	5.1	
	8H	4.5	5.2	4.8	5.5	5.7	3.9	4.6	4.2	4.8	5.1	
	12H	4.5	5.2	4.8	5.4	5.7	3.9	4.5	4.2	4.8	5.1	
	4H	2H	4.5	5.3	4.8	5.5	5.7	3.8	4.6	4.1	4.8	5.0
	3H	4.5	5.1	4.8	5.4	5.7	3.8	4.5	4.1	4.7	5.0	
	4H	4.5	5.0	4.8	5.3	5.6	3.8	4.4	4.2	4.7	5.0	
	6H	4.4	5.0	4.8	5.3	5.6	3.8	4.3	4.2	4.7	5.0	
	8H	4.4	4.9	4.8	5.2	5.6	3.8	4.3	4.2	4.6	5.0	
	12H	4.4	4.8	4.8	5.2	5.6	3.8	4.2	4.2	4.6	5.0	
8H	4H	4.3	4.8	4.7	5.2	5.5	3.7	4.2	4.1	4.6	4.9	
6H	4.3	4.7	4.8	5.1	5.5	3.7	4.1	4.2	4.5	4.9		
8H	4.3	4.7	4.8	5.1	5.5	3.8	4.1	4.2	4.5	5.0		
12H	4.3	4.6	4.8	5.1	5.6	3.8	4.1	4.2	4.5	5.0		
12H	4H	4.3	4.7	4.7	5.1	5.5	3.7	4.1	4.1	4.5	4.9	
6H	4.3	4.7	4.7	5.1	5.5	3.7	4.1	4.2	4.5	4.9		
8H	4.3	4.6	4.8	5.0	5.5	3.7	4.0	4.2	4.5	4.9		
Variations with the observer position at spacings:												
S = 1.0H	+ 3.1 / - 1.5					+ 3.2 / - 1.7						
1.5H	+ 5.1 / - 1.4					+ 5.3 / - 1.6						
2.0H	+ 0.8 / - 0.4					+ 0.6 / - 0.3						

CIE Pub.117, 16043 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 9.6$)

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:0.4809A P:100.1W PF:0.9850 Freq:49.99Hz Lamp Flux:16043x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-5050-60D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:

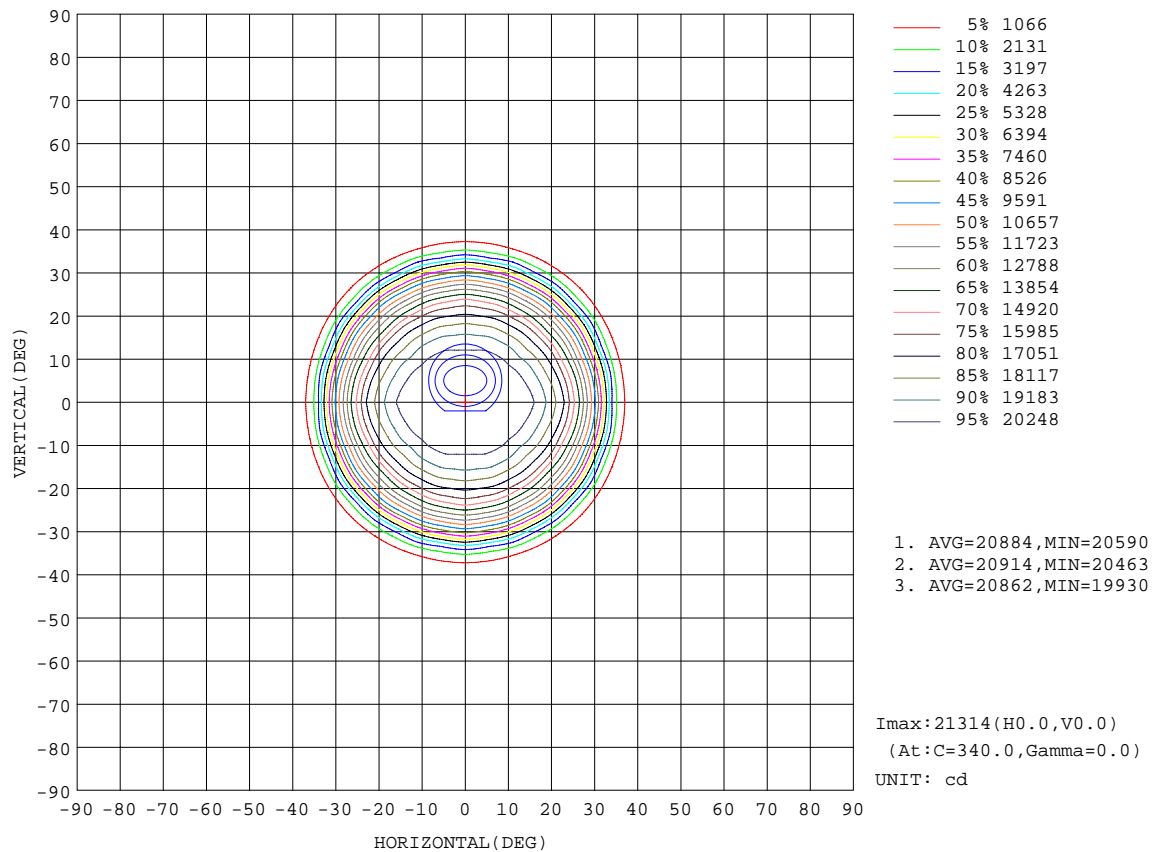
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	90	84	81	90	84	81	89	84	81	77
0.80	97	92	88	97	91	88	95	91	88	85
1.00	101	96	93	100	95	92	99	95	92	88
1.25	105	100	97	104	99	96	102	98	95	92
1.50	107	103	100	106	102	99	104	101	98	94
2.00	109	106	103	108	104	102	105	103	100	95
2.50	111	107	105	109	106	104	106	104	102	96
3.00	112	109	107	111	108	106	107	105	103	97
4.00	114	112	110	112	110	108	109	107	106	99
5.00	116	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: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:0.4809A P:100.1W PF:0.9850 Freq:49.99Hz Lamp Flux:16043x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-5050-60D-PC	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:



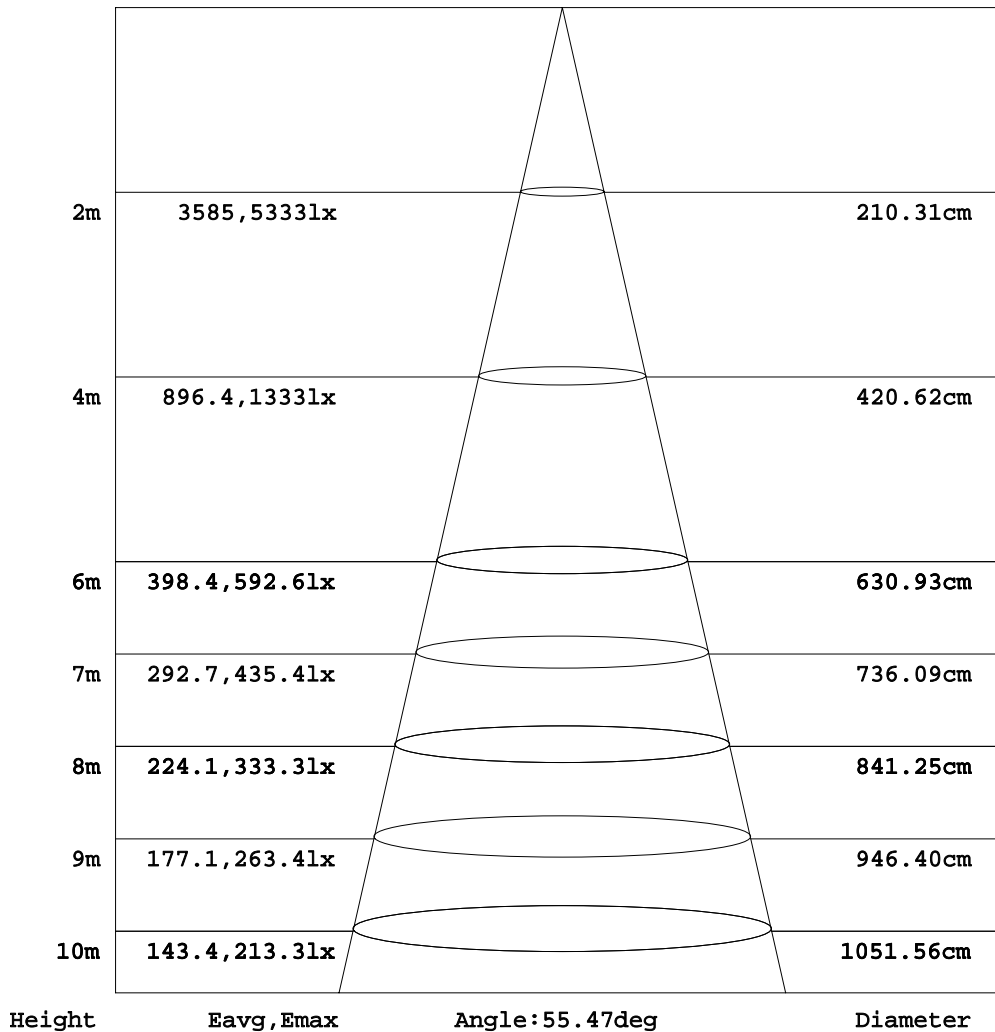
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-08

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:0.4809A P:100.1W PF:0.9850 Freq:49.99Hz Lamp Flux:16043x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-5050-60D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:

Flux out:12738 lm



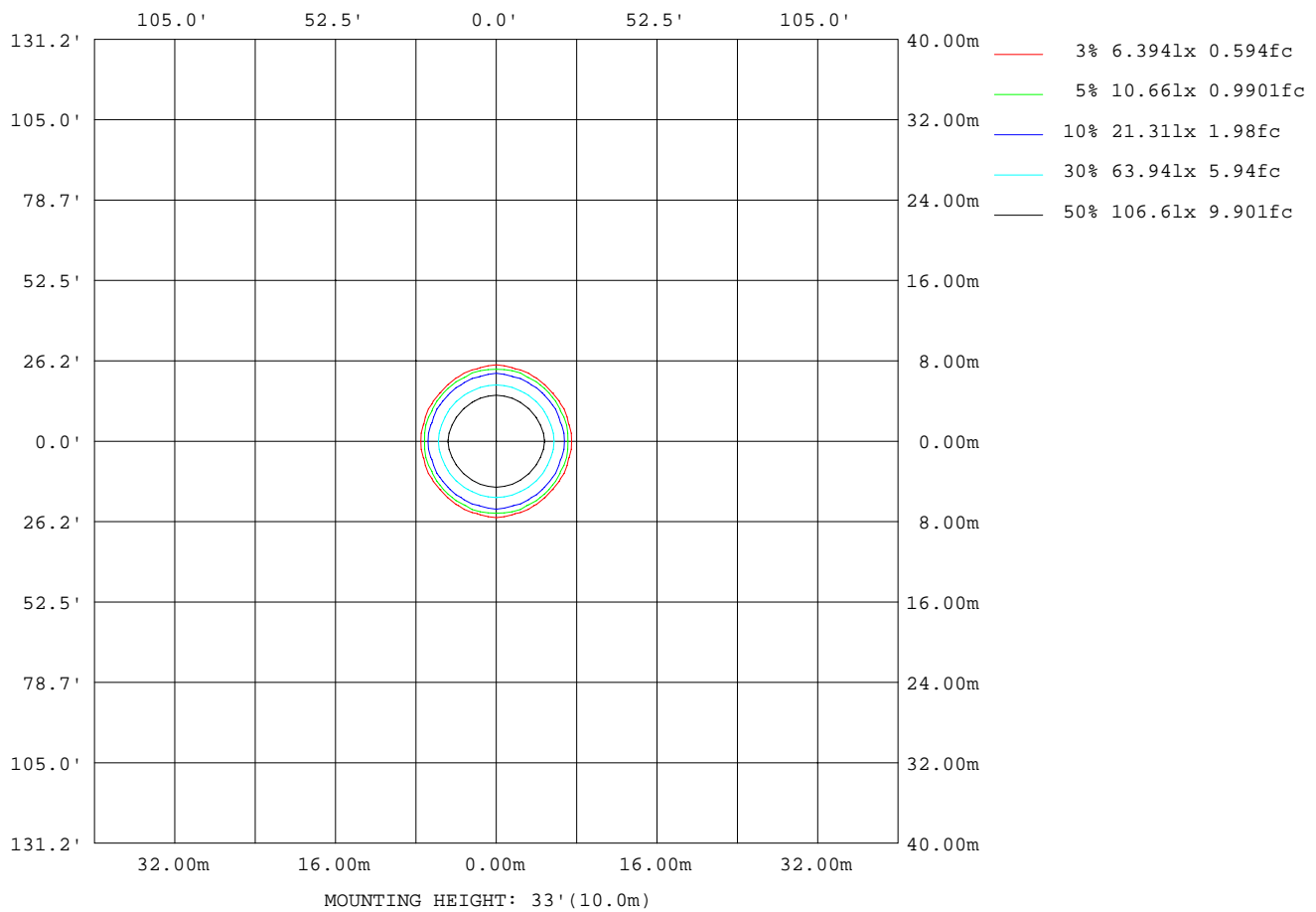
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.4809A P:100.1W PF:0.9850 Freq:49.99Hz Lamp Flux:16043x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-5050-60D-PC	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: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:0.4809A P:100.1W PF:0.9850 Freq:49.99Hz Lamp Flux:16043x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-5050-60D-PC	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

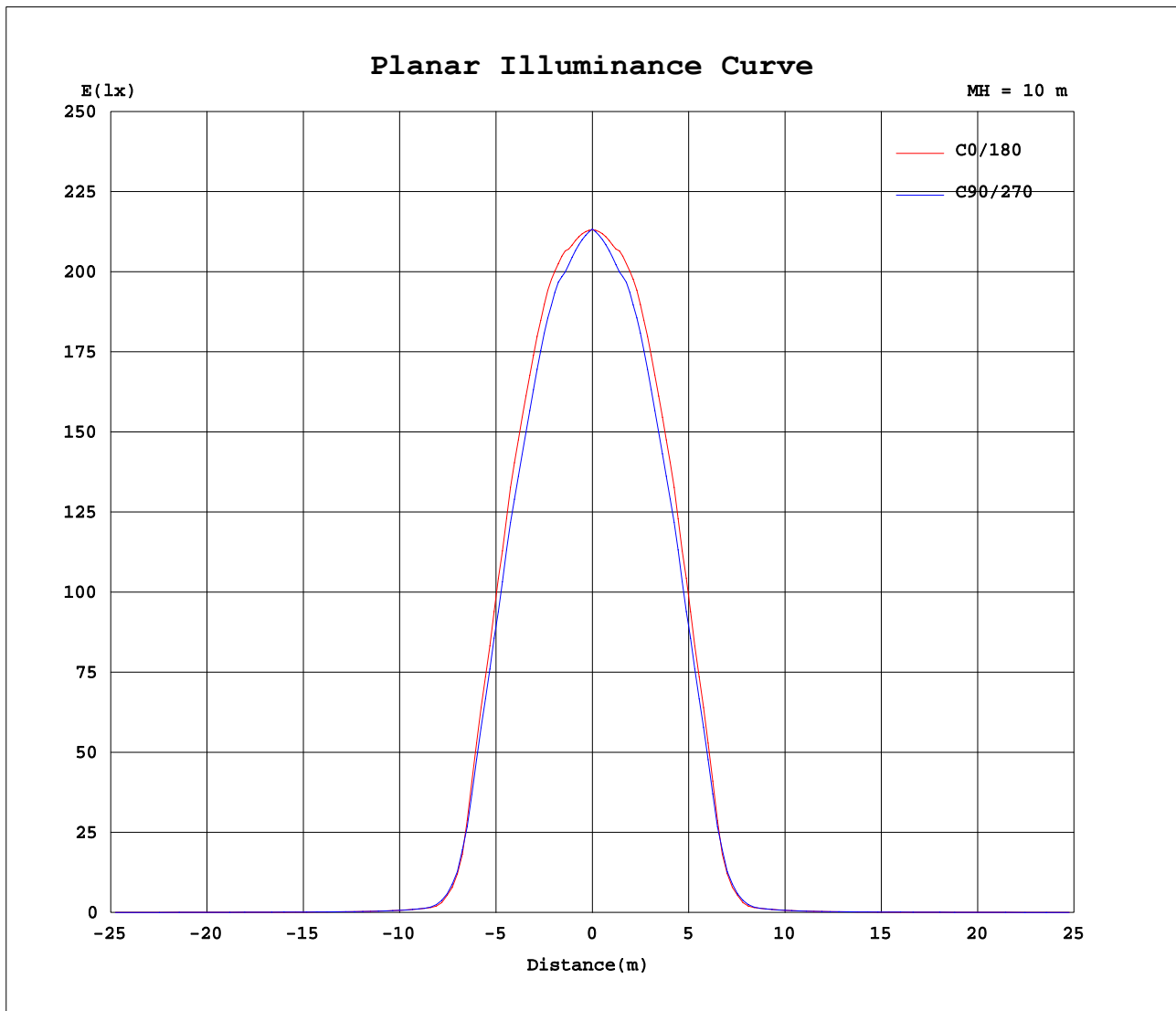
AvgL	cd/m2
L_0~180 (65) av	1621
L_0~180 (75) av	1435
L_0~180 (85) av	1520
L_90~270 (65) av	1670
L_90~270 (75) av	1457
L_90~270 (85) av	1621
L_45 (65) av	1642
L_45 (75) av	1427
L_45 (85) av	1498

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:0.4809A P:100.1W PF:0.9850 Freq:49.99Hz Lamp Flux:16043x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-5050-60D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	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	2132	2132	2132	2132	2132	2132	2132	2132	2132	2132	2132	2132	2132	2132	2132	2132	2132	2132	2132
5	2123	2117	2111	2105	2100	2096	2092	2090	2089	2089	2089	2090	2092	2096	2100	2105	2111	2117	2123
10	2121	2109	2102	2093	2083	2077	2073	2064	2059	2059	2059	2064	2073	2077	2083	2093	2102	2109	2121
15	2052	2031	2010	1994	1966	1970	1961	1957	1944	1946	1944	1957	1961	1970	1966	1994	2010	2031	2052
20	1865	1838	1800	1779	1751	1746	1732	1733	1719	1724	1719	1733	1732	1746	1751	1779	1800	1838	1865
25	1517	1487	1441	1411	1375	1375	1368	1373	1368	1386	1368	1373	1368	1375	1375	1411	1441	1487	1517
30	986	958	910	907	881	887	851	870	862	889	862	870	851	887	881	907	910	958	986
35	220	220	210	214	201	213	209	225	215	233	215	225	209	213	201	214	210	220	220
40	35.2	34.3	33.0	33.9	33.5	34.6	34.1	36.0	36.4	38.4	36.4	36.0	34.1	34.6	33.5	33.9	33.0	34.3	35.2
45	20.1	19.8	19.1	19.0	18.7	19.0	18.9	19.3	19.1	19.6	19.1	19.3	18.9	19.0	18.7	19.0	19.1	19.8	20.1
50	12.9	12.9	12.8	12.7	12.7	12.8	12.7	12.9	12.8	13.1	12.8	12.9	12.7	12.8	12.7	12.7	12.8	12.9	12.9
55	10.0	10.2	10.2	10.1	10.1	10.2	10.3	10.3	10.3	10.4	10.3	10.3	10.3	10.2	10.1	10.1	10.2	10.2	10.0
60	8.39	8.49	8.55	8.52	8.45	8.54	8.67	8.67	8.60	8.67	8.60	8.67	8.67	8.54	8.45	8.52	8.55	8.49	8.39
65	6.85	6.89	6.90	6.89	6.90	6.98	7.03	7.07	7.02	7.06	7.02	7.07	7.03	6.98	6.90	6.89	6.90	6.89	6.85
70	5.29	5.26	5.26	5.27	5.28	5.40	5.38	5.43	5.38	5.38	5.38	5.43	5.38	5.40	5.28	5.27	5.26	5.26	5.29
75	3.71	3.68	3.62	3.63	3.64	3.74	3.71	3.79	3.75	3.77	3.75	3.79	3.71	3.74	3.64	3.63	3.62	3.68	3.71
80	2.20	2.18	2.13	2.15	2.13	2.20	2.19	2.25	2.28	2.39	2.28	2.25	2.19	2.20	2.13	2.15	2.13	2.18	2.20
85	1.32	1.33	1.31	1.31	1.30	1.31	1.31	1.34	1.36	1.41	1.36	1.34	1.31	1.31	1.30	1.31	1.31	1.33	1.32
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:0.4809A P:100.1W PF:0.9850 Freq:49.99Hz Lamp Flux:16043x1 lm																	
NAME: AOK-oH									TYPE:LED						WEIGHT:2.9KG		
SPEC.:AOK-100WoH-5050-60D-PC									DIM.: ϕ 0.248*0.138M						SERIAL No.:1		
MFR.: AOK									SUR.: ϕ 0.16M						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	2132	2132	2132	2132	2132	2132	2132	2132	2132	2132	2132	2132	2132	2132	2132	2132	2132		
5	2117	2111	2105	2100	2096	2092	2090	2089	2089	2089	2090	2092	2096	2100	2105	2111	2117		
10	2109	2102	2093	2083	2077	2073	2064	2059	2059	2059	2064	2073	2077	2083	2093	2102	2109		
15	2031	2010	1994	1966	1970	1961	1957	1944	1946	1944	1957	1961	1970	1966	1994	2010	2031		
20	1838	1800	1779	1751	1746	1732	1733	1719	1724	1719	1733	1732	1746	1751	1779	1800	1838		
25	1487	1441	1411	1375	1375	1368	1373	1368	1386	1368	1373	1368	1375	1375	1411	1441	1487		
30	958	910	907	881	887	851	870	862	889	862	870	851	887	881	907	910	958		
35	220	210	214	201	213	209	225	215	233	215	225	209	213	201	214	210	220		
40	34.3	33.0	33.9	33.5	34.6	34.1	36.0	36.4	38.4	36.4	36.0	34.1	34.6	33.5	33.9	33.0	34.3		
45	19.8	19.1	19.0	18.7	19.0	18.9	19.3	19.1	19.6	19.1	19.3	18.9	19.0	18.7	19.0	19.1	19.8		
50	12.9	12.8	12.7	12.7	12.8	12.7	12.9	12.8	13.1	12.8	12.9	12.7	12.8	12.7	12.7	12.8	12.9		
55	10.2	10.2	10.1	10.1	10.2	10.3	10.3	10.3	10.4	10.3	10.3	10.3	10.2	10.1	10.1	10.2	10.2		
60	8.49	8.55	8.52	8.45	8.54	8.67	8.67	8.60	8.67	8.60	8.67	8.67	8.54	8.45	8.52	8.55	8.49		
65	6.89	6.90	6.89	6.90	6.98	7.03	7.07	7.02	7.06	7.02	7.07	7.03	6.98	6.90	6.89	6.90	6.89		
70	5.26	5.26	5.27	5.28	5.40	5.38	5.43	5.38	5.38	5.38	5.43	5.38	5.40	5.28	5.27	5.26	5.26		
75	3.68	3.62	3.63	3.64	3.74	3.71	3.79	3.75	3.77	3.75	3.79	3.71	3.74	3.64	3.63	3.62	3.68		
80	2.18	2.13	2.15	2.13	2.20	2.19	2.25	2.28	2.39	2.28	2.25	2.19	2.20	2.13	2.15	2.13	2.18		
85	1.33	1.31	1.31	1.30	1.31	1.31	1.34	1.36	1.41	1.36	1.34	1.31	1.31	1.30	1.31	1.31	1.33		
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: