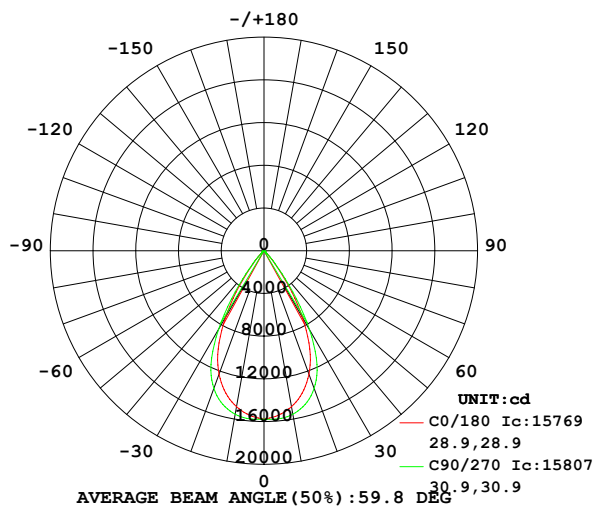


LUMINAIRE PHOTOMETRIC TEST REPORT

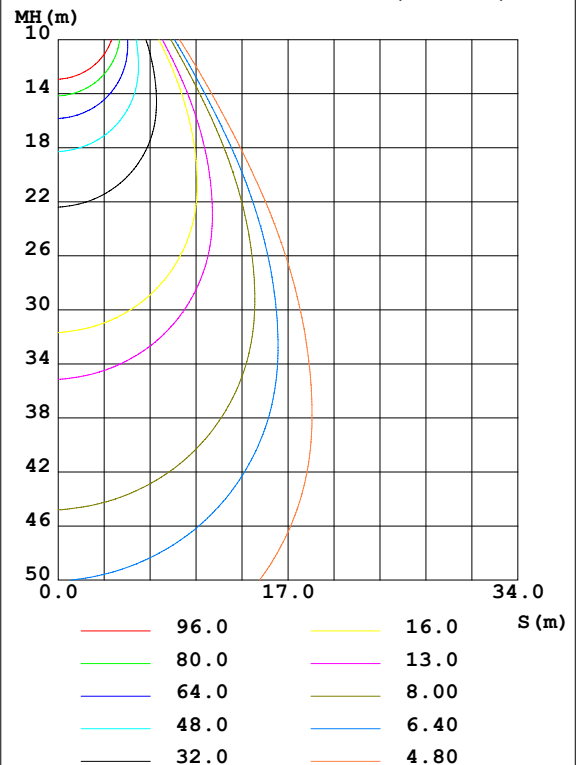
Test:U:220.3V I:0.4831A P:105.4W PF:0.9847 Freq:49.99Hz Lamp Flux:14063.6x1 lm					
NAME: AOK oH		TYPE:LED		WEIGHT:2.9KG	
SPEC.:AOK-100WoH-3030-4000K-Ra80-60D		DIM.: ϕ 0.24*0.138M		SERIAL No.:1	
MFR.: AOK		SUR.: ϕ 0.16M		Shielding Angle:	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 133.43 lm/W			
MODEL	3030	I _{max} (cd)	15807	S/MH (C0/180)	0.86
NOMINAL POWER (W)	100	LOR (%)	100.0	S/MH (C90/270)	0.90
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	14064	η UP,DN (C0-180)	0.0,50.0
NOMINAL FLUX (lm)	14063.6	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	0.90

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:2018-04-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_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	1483	1508	1554	1508	1483	1508	1554	1508	0- 10	1474	1474	10.5,10.5
20	1231	1294	1373	1294	1231	1294	1373	1294	10- 20	3990	5463	38.8,38.8
30	722.0	777.2	853.6	777.2	722.0	777.2	853.6	777.2	20- 30	4883	10347	73.6,73.6
40	164.8	176.1	186.4	176.1	164.8	176.1	186.4	176.1	30- 40	2728	13075	93,93
50	26.53	25.97	27.54	25.97	26.53	25.97	27.54	25.97	40- 50	547.9	13622	96.9,96.9
60	20.54	19.34	19.91	19.34	20.54	19.34	19.91	19.34	50- 60	199.2	13822	98.3,98.3
70	12.65	11.61	12.56	11.61	12.65	11.61	12.56	11.61	60- 70	159.5	13981	99.4,99.4
80	2.699	2.616	2.661	2.616	2.699	2.616	2.661	2.616	70- 80	75.32	14056	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	7.186	14064	100,100
100	0	0	0	0	0	0	0	0	90-100	0	14064	100,100
110	0	0	0	0	0	0	0	0	100-110	0	14064	100,100
120	0	0	0	0	0	0	0	0	110-120	0	14064	100,100
130	0	0	0	0	0	0	0	0	120-130	0	14064	100,100
140	0	0	0	0	0	0	0	0	130-140	0	14064	100,100
150	0	0	0	0	0	0	0	0	140-150	0	14064	100,100
160	0	0	0	0	0	0	0	0	150-160	0	14064	100,100
170	0	0	0	0	0	0	0	0	160-170	0	14064	100,100
180	0	0	0	0	0	0	0	0	170-180	0	14064	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 13477 lm

%lum = 95.8%

%lamp = 95.8%

Conical surface Flux(120deg): 13822 lm

%lum = 98.3%

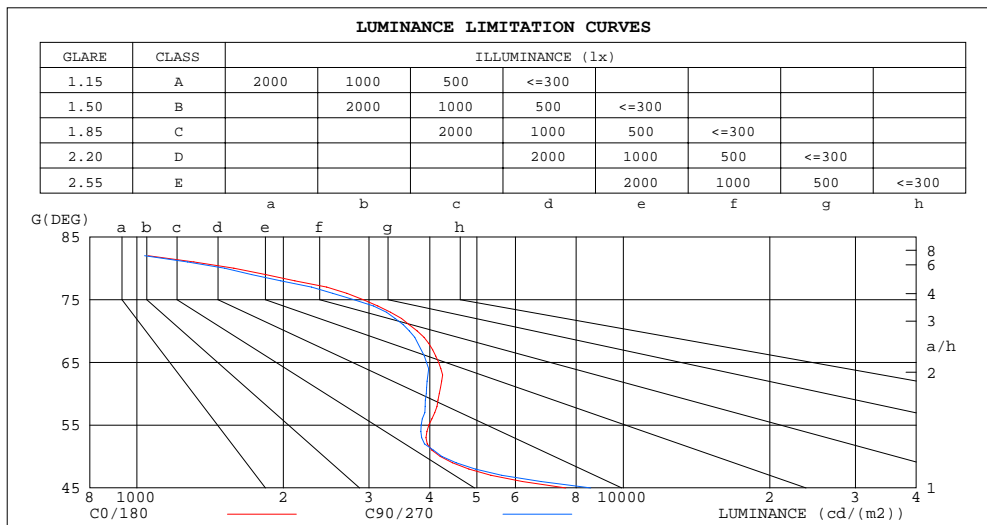
%lamp = 98.3%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-04-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.633m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.3V I:0.4831A P:105.4W PF:0.9847 Freq:49.99Hz Lamp Flux:14063.6x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-4000K-Ra80-60D	DIM.: $\phi 0.24 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16\text{M}$	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	284	343
80	1583	1515
75	2916	2788
70	3768	3630
65	4173	3938
60	4183	3936
55	3983	3840
50	4202	4234
45	7611	8571

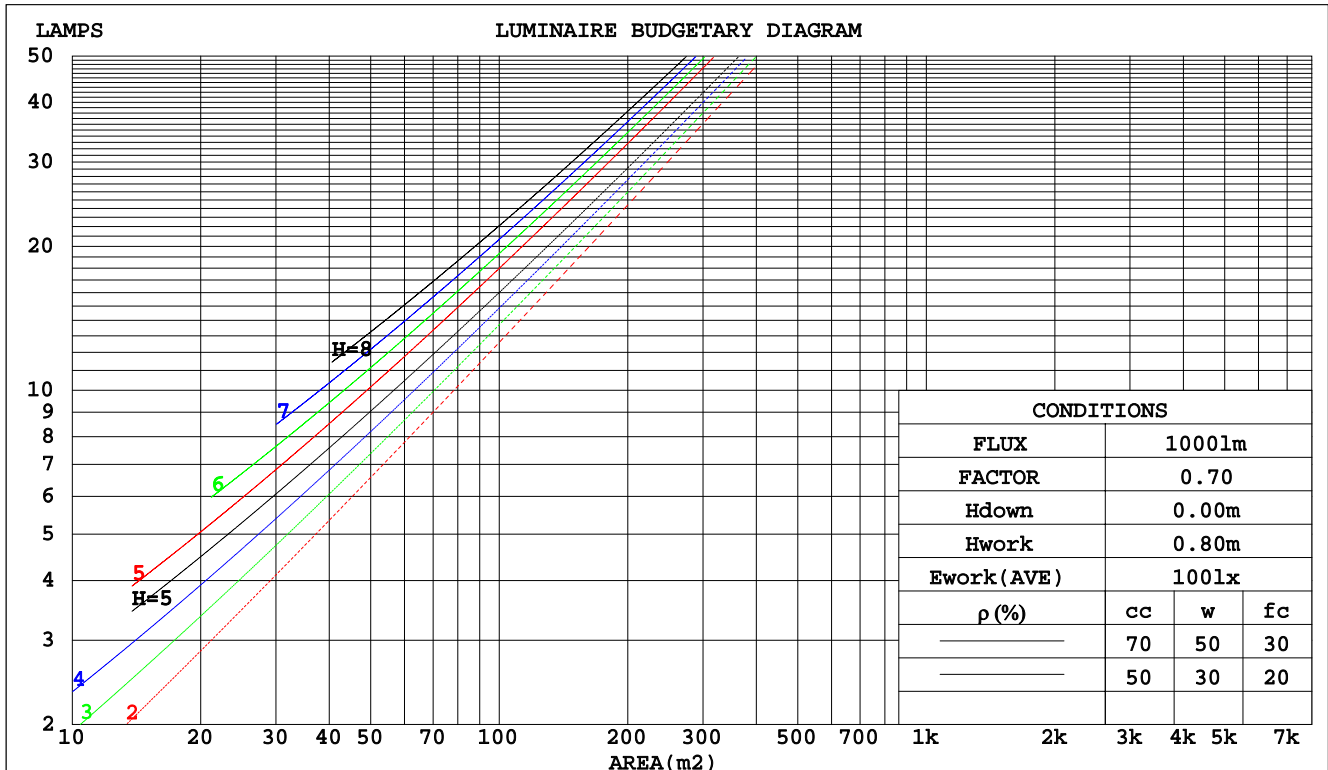
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-04-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.3V I:0.4831A P:105.4W PF:0.9847 Freq:49.99Hz Lamp Flux:14063.6x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-4000K-Ra80-60D	DIM.: $\phi 0.24 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	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						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	1.08	1.06	1.08	1.06	1.04	1.04	1.03	1.01	1.01	.99	.98	.97	.96	.95	.93
2.0	1.03	.99	.95	1.01	.97	.94	.98	.95	.92	.95	.92	.90	.92	.90	.88	.87
3.0	.96	.91	.87	.95	.90	.86	.92	.88	.85	.89	.86	.84	.87	.85	.82	.81
4.0	.90	.84	.80	.89	.83	.79	.86	.82	.78	.84	.81	.78	.82	.79	.77	.75
5.0	.84	.78	.74	.83	.78	.74	.81	.77	.73	.80	.75	.72	.78	.74	.72	.70
6.0	.79	.73	.69	.78	.73	.68	.77	.72	.68	.75	.71	.68	.74	.70	.67	.66
7.0	.74	.68	.64	.74	.68	.64	.72	.67	.64	.71	.67	.63	.70	.66	.63	.62
8.0	.70	.64	.60	.69	.64	.60	.68	.63	.60	.67	.63	.59	.66	.62	.59	.58
9.0	.66	.60	.56	.66	.60	.56	.65	.60	.56	.64	.59	.56	.63	.59	.56	.54
10.0	.63	.57	.53	.62	.57	.53	.61	.56	.53	.61	.56	.53	.60	.56	.53	.51



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-04-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.633m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:220.3V I:0.4831A P:105.4W PF:0.9847 Freq:49.99Hz Lamp Flux:14063.6x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-4000K-Ra80-60D	DIM.: ϕ 0.24*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	.181	.103	.033	.174	.099	.031	.161	.092	.030	.150	.086	.028	.139	.081	.026		
2.0	.173	.095	.029	.167	.092	.028	.156	.087	.027	.147	.082	.026	.137	.078	.025		
3.0	.164	.087	.026	.159	.085	.026	.150	.081	.025	.142	.078	.024	.134	.074	.023		
4.0	.156	.081	.024	.152	.079	.023	.144	.076	.023	.137	.073	.022	.130	.071	.021		
5.0	.148	.076	.022	.145	.074	.022	.138	.072	.021	.131	.069	.021	.126	.067	.020		
6.0	.141	.071	.020	.138	.070	.020	.132	.068	.020	.127	.066	.019	.121	.064	.019		
7.0	.135	.067	.019	.132	.066	.019	.127	.064	.018	.122	.062	.018	.117	.061	.018		
8.0	.129	.063	.018	.127	.062	.018	.122	.061	.017	.117	.059	.017	.113	.058	.017		
9.0	.124	.060	.017	.121	.059	.017	.117	.058	.016	.113	.057	.016	.109	.056	.016		
10.0	.119	.057	.016	.117	.056	.016	.113	.055	.016	.109	.054	.015	.106	.053	.015		

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	.147	.135	.124	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.156	.132	.112	.134	.114	.097	.092	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.144	.114	.089	.124	.098	.077	.085	.068	.054	.049	.040	.032	.016	.013	.010	
4.0	.134	.099	.072	.115	.085	.063	.079	.060	.044	.046	.035	.026	.015	.011	.009	
5.0	.125	.087	.059	.108	.076	.052	.074	.053	.036	.043	.031	.022	.014	.010	.007	
6.0	.118	.078	.050	.101	.068	.043	.070	.047	.031	.041	.028	.018	.013	.009	.006	
7.0	.111	.071	.042	.096	.061	.037	.066	.043	.026	.038	.025	.015	.012	.008	.005	
8.0	.106	.064	.036	.091	.056	.031	.063	.039	.022	.037	.023	.013	.012	.008	.004	
9.0	.101	.059	.031	.087	.051	.027	.060	.036	.019	.035	.021	.012	.011	.007	.004	
10.0	.096	.055	.027	.083	.048	.024	.057	.033	.017	.033	.020	.010	.011	.006	.003	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-04-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.3V I:0.4831A P:105.4W PF:0.9847 Freq:49.99Hz Lamp Flux:14063.6x1 lm											
NAME: AOK oH					TYPE:LED			WEIGHT:2.9KG			
SPEC.:AOK-100WoH-3030-4000K-Ra80-60D					DIM.: ϕ 0.24*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		7.8	8.8	8.1	9.0	9.1	8.2	9.1	8.4	9.3	9.5
	3H	7.9	8.8	8.2	9.0	9.2	8.2	9.1	8.5	9.3	9.5
	4H	8.0	8.8	8.2	9.0	9.2	8.2	9.1	8.5	9.3	9.5
	6H	7.9	8.7	8.2	8.9	9.2	8.2	9.0	8.5	9.2	9.5
	8H	7.9	8.6	8.2	8.9	9.1	8.2	8.9	8.5	9.2	9.4
	12H	7.8	8.6	8.2	8.8	9.1	8.1	8.8	8.4	9.1	9.4
4H	2H	7.7	8.5	8.0	8.7	9.0	8.0	8.9	8.3	9.1	9.3
	3H	7.9	8.6	8.2	8.9	9.1	8.1	8.9	8.5	9.1	9.4
	4H	7.9	8.6	8.3	8.9	9.2	8.2	8.8	8.5	9.1	9.4
	6H	7.9	8.5	8.3	8.8	9.2	8.2	8.7	8.5	9.1	9.4
	8H	7.9	8.4	8.3	8.8	9.1	8.1	8.6	8.5	9.0	9.4
	12H	7.8	8.3	8.3	8.7	9.1	8.1	8.6	8.5	8.9	9.3
8H	4H	7.9	8.4	8.3	8.8	9.1	8.1	8.6	8.5	9.0	9.4
	6H	7.9	8.3	8.3	8.7	9.1	8.1	8.5	8.5	8.9	9.3
	8H	7.8	8.2	8.3	8.6	9.1	8.1	8.4	8.5	8.9	9.3
	12H	7.8	8.1	8.2	8.5	9.0	8.0	8.3	8.5	8.8	9.2
12H	4H	7.8	8.3	8.2	8.7	9.1	8.1	8.6	8.5	8.9	9.3
	6H	7.8	8.2	8.3	8.6	9.1	8.0	8.4	8.5	8.8	9.3
	8H	7.8	8.1	8.3	8.6	9.0	8.0	8.3	8.5	8.8	9.2
Variations with the observer position at spacings:											
S = 1.0H	+ 2.8 / - 3.5					+ 3.1 / - 4.0					
1.5H	+ 5.1 / - 3.4					+ 5.5 / - 3.9					
2.0H	+ 1.8 / - 0.6					+ 2.4 / - 0.8					

CIE Pub.117, 14064 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 9.2$)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-04-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.3V I:0.4831A P:105.4W PF:0.9847 Freq:49.99Hz Lamp Flux:14063.6x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-4000K-Ra80-60D	DIM.: ϕ 0.24*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

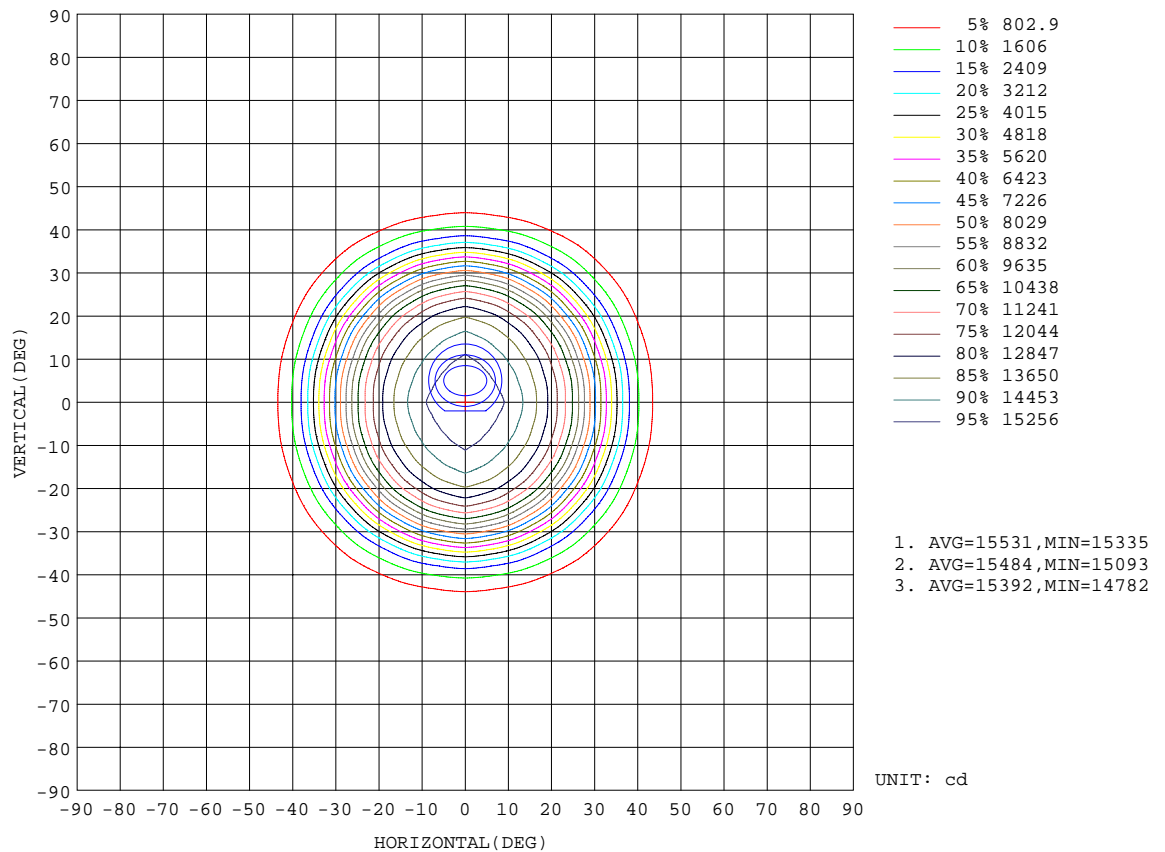
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	87	81	77	87	81	77	86	80	77	73
0.80	95	89	85	94	88	85	93	88	84	81
1.00	99	93	90	98	93	89	97	93	89	85
1.25	103	98	94	102	97	94	100	96	93	89
1.50	106	101	98	104	100	97	102	99	96	91
2.00	108	104	101	107	103	100	104	101	99	93
2.50	110	106	103	108	105	102	105	103	100	94
3.00	112	108	105	110	107	104	106	104	102	96
4.00	114	111	109	112	109	107	108	106	105	98
5.00	115	113	111	113	111	109	109	107	106	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:2018-04-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.3V I:0.4831A P:105.4W PF:0.9847 Freq:49.99Hz Lamp Flux:14063.6x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-4000K-Ra80-60D	DIM.: ϕ 0.24*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

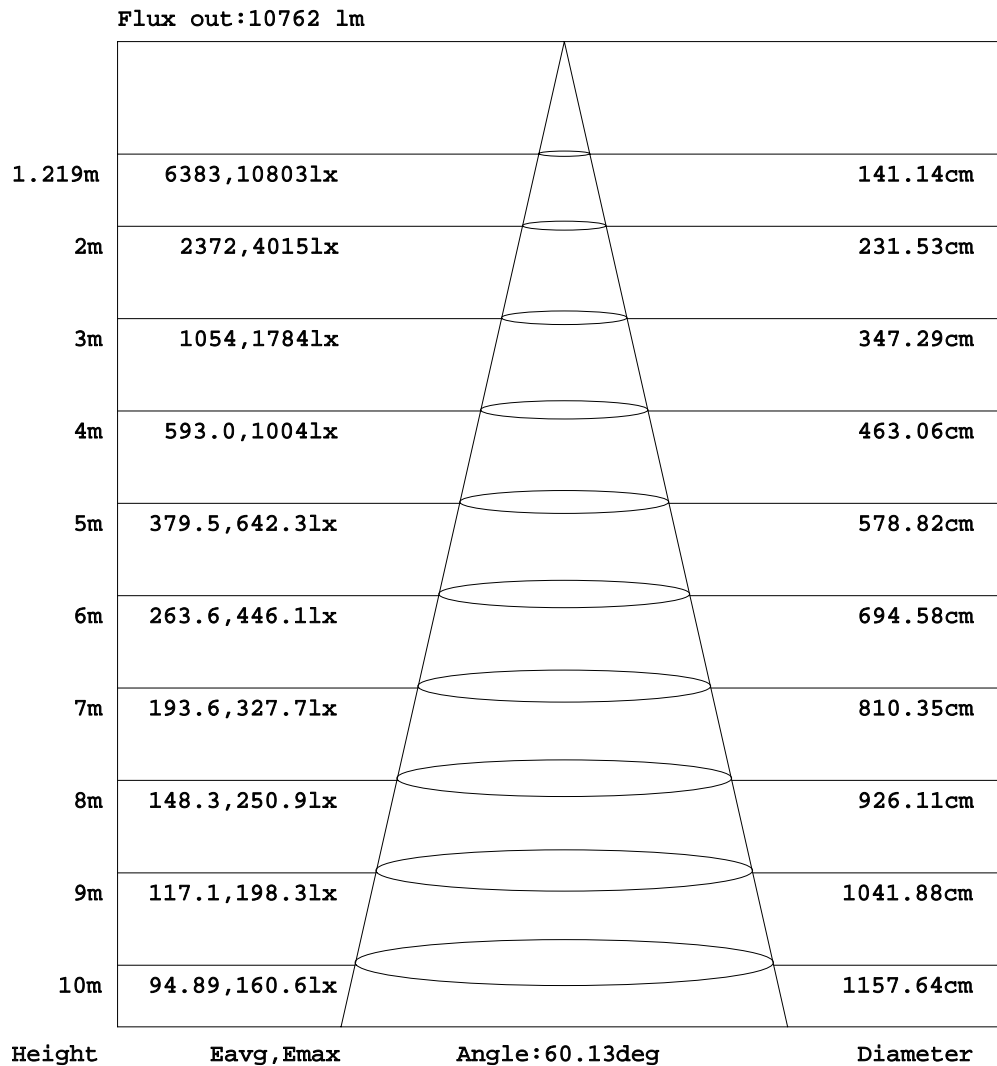


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-04-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.3V I:0.4831A P:105.4W PF:0.9847 Freq:49.99Hz Lamp Flux:14063.6x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-4000K-Ra80-60D	DIM.: $\phi 0.24 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:



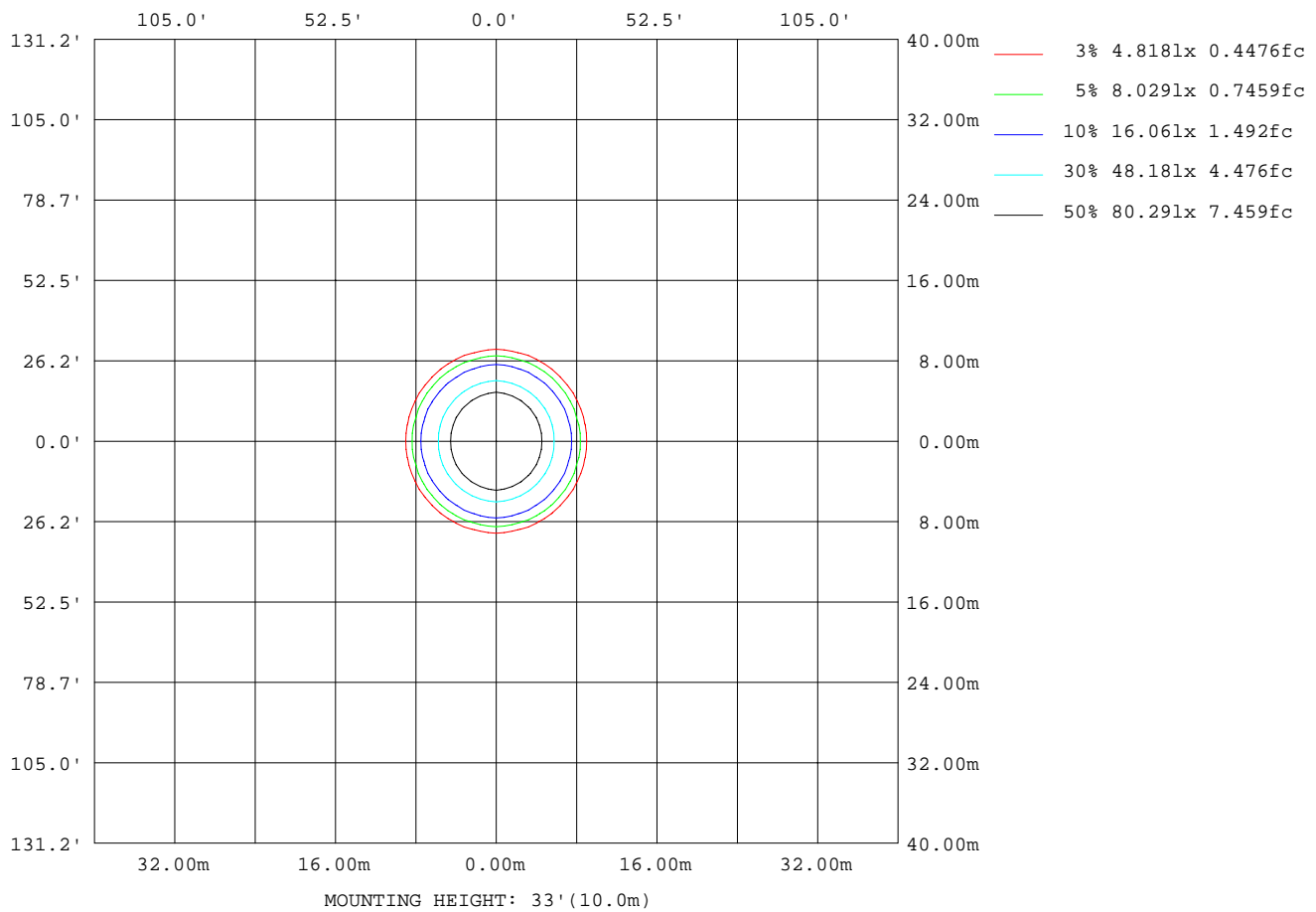
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-04-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.633m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:220.3V I:0.4831A P:105.4W PF:0.9847 Freq:49.99Hz Lamp Flux:14063.6x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-4000K-Ra80-60D	DIM.: Φ 0.24*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:2018-04-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.3V I:0.4831A P:105.4W PF:0.9847 Freq:49.99Hz Lamp Flux:14063.6x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-4000K-Ra80-60D	DIM.: ϕ 0.24*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

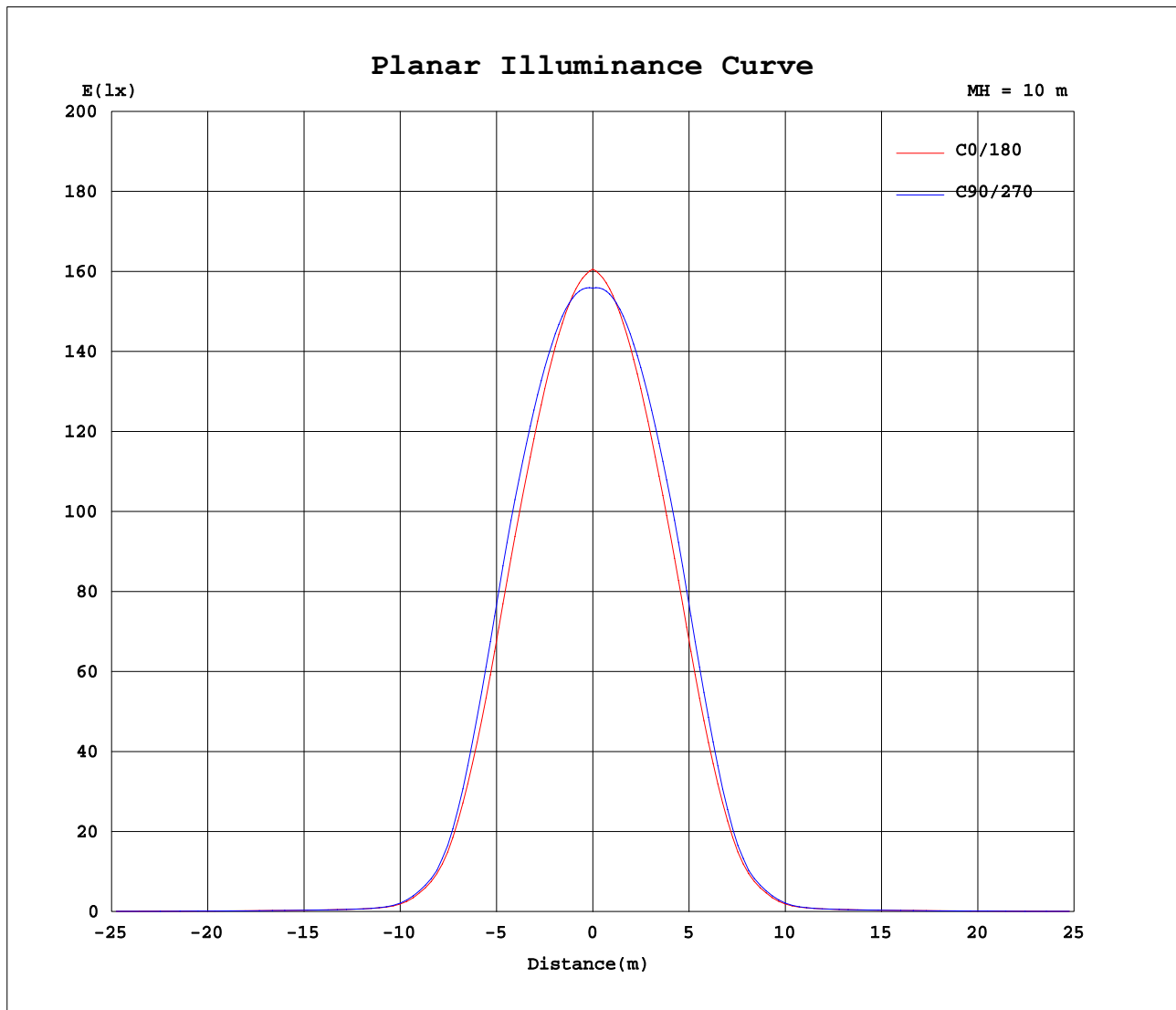
AvgL	cd/m2
L_0~180 (65) av	4097
L_0~180 (75) av	2863
L_0~180 (85) av	279
L_90~270 (65) av	3984
L_90~270 (75) av	2820
L_90~270 (85) av	347
L_45 (65) av	3811
L_45 (75) av	2732
L_45 (85) av	296

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-04-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_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: 2018-04-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.633m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.3V I:0.4831A P:105.4W PF:0.9847 Freq:49.99Hz Lamp Flux:14063.6x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-4000K-Ra80-60D	DIM.: ϕ 0.24*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

Table--1

UNIT: $\times 10\text{cd}$

C (DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	1577	1577	1577	1577	1577	1577	1577	1577	1577	1577	1577	1577	1577	1577	1577	1577	1577	1577	1577
5	1546	1548	1550	1553	1556	1561	1565	1570	1574	1579	1574	1570	1565	1561	1556	1553	1550	1548	1546
10	1483	1487	1490	1497	1503	1513	1521	1533	1542	1554	1542	1533	1521	1513	1503	1497	1490	1487	1483
15	1381	1390	1395	1406	1415	1429	1441	1458	1472	1490	1472	1458	1441	1429	1415	1406	1395	1390	1381
20	1231	1246	1254	1272	1284	1304	1318	1338	1352	1373	1352	1338	1318	1304	1284	1272	1254	1246	1231
25	1016	1034	1042	1063	1075	1099	1113	1137	1150	1174	1150	1137	1113	1099	1075	1063	1042	1034	1016
30	722	737	742	760	766	788	797	821	829	854	829	821	797	788	766	760	742	737	722
35	405	416	414	425	422	437	436	452	452	471	452	452	436	437	422	425	414	416	405
40	165	170	168	173	173	180	179	184	181	186	181	184	179	180	173	173	168	170	165
45	52.8	53.8	51.8	53.5	53.2	56.1	55.7	58.1	57.5	61.3	57.5	58.1	55.7	56.1	53.2	53.5	51.8	53.8	52.8
50	26.5	26.3	25.7	25.9	25.5	26.4	26.5	27.4	27.3	27.5	27.3	27.4	26.5	26.4	25.5	25.9	25.7	26.3	26.5
55	22.4	22.2	22.0	21.7	21.6	21.6	21.9	22.1	22.2	22.3	22.2	22.1	21.9	21.6	21.6	21.7	22.0	22.2	22.4
60	20.5	20.0	19.7	19.6	19.4	19.2	19.4	19.5	19.6	19.9	19.6	19.5	19.4	19.2	19.4	19.6	19.7	20.0	20.5
65	17.3	16.7	16.5	16.5	16.1	16.2	15.9	16.0	16.5	16.8	16.5	16.0	15.9	16.2	16.1	16.5	16.5	16.7	17.3
70	12.7	12.3	12.0	11.9	11.4	11.8	11.5	11.6	12.1	12.6	12.1	11.6	11.5	11.8	11.4	11.9	12.0	12.3	12.7
75	7.41	7.47	7.12	6.99	6.82	7.29	6.82	6.76	7.25	7.30	7.25	6.76	6.82	7.29	6.82	6.99	7.12	7.47	7.41
80	2.70	2.80	2.72	2.66	2.55	2.68	2.58	2.61	2.59	2.66	2.59	2.61	2.58	2.68	2.55	2.66	2.72	2.80	2.70
85	0.24	0.26	0.23	0.27	0.24	0.27	0.26	0.29	0.27	0.30	0.27	0.29	0.26	0.27	0.24	0.27	0.23	0.26	0.24
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: 2018-04-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 7.633m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.3V I:0.4831A P:105.4W PF:0.9847 Freq:49.99Hz Lamp Flux:14063.6x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-4000K-Ra80-60D	DIM.: ϕ 0.24*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	1577	1577	1577	1577	1577	1577	1577	1577	1577	1577	1577	1577	1577	1577	1577	1577	1577		
5	1548	1550	1553	1556	1561	1565	1570	1574	1579	1574	1570	1565	1561	1556	1553	1550	1548		
10	1487	1490	1497	1503	1513	1521	1533	1542	1554	1542	1533	1521	1513	1503	1497	1490	1487		
15	1390	1395	1406	1415	1429	1441	1458	1472	1490	1472	1458	1441	1429	1415	1406	1395	1390		
20	1246	1254	1272	1284	1304	1318	1338	1352	1373	1352	1338	1318	1304	1284	1272	1254	1246		
25	1034	1042	1063	1075	1099	1113	1137	1150	1174	1150	1137	1113	1099	1075	1063	1042	1034		
30	737	742	760	766	788	797	821	829	854	829	821	797	788	766	760	742	737		
35	416	414	425	422	437	436	452	452	471	452	452	436	437	422	425	414	416		
40	170	168	173	173	180	179	184	181	186	181	184	179	180	173	173	168	170		
45	53.8	51.8	53.5	53.2	56.1	55.7	58.1	57.5	61.3	57.5	58.1	55.7	56.1	53.2	53.5	51.8	53.8		
50	26.3	25.7	25.9	25.5	26.4	26.5	27.4	27.3	27.5	27.3	27.4	26.5	26.4	25.5	25.9	25.7	26.3		
55	22.2	22.0	21.7	21.6	21.6	21.9	22.1	22.2	22.3	22.2	22.1	21.9	21.6	21.6	21.7	22.0	22.2		
60	20.0	19.7	19.6	19.4	19.2	19.4	19.5	19.6	19.9	19.6	19.5	19.4	19.2	19.4	19.6	19.7	20.0		
65	16.7	16.5	16.5	16.1	16.2	15.9	16.0	16.5	16.8	16.5	16.0	15.9	16.2	16.1	16.5	16.5	16.7		
70	12.3	12.0	11.9	11.4	11.8	11.5	11.6	12.1	12.6	12.1	11.6	11.5	11.8	11.4	11.9	12.0	12.3		
75	7.47	7.12	6.99	6.82	7.29	6.82	6.76	7.25	7.30	7.25	6.76	6.82	7.29	6.82	6.99	7.12	7.47		
80	2.80	2.72	2.66	2.55	2.68	2.58	2.61	2.59	2.66	2.59	2.61	2.58	2.68	2.55	2.66	2.72	2.80		
85	0.26	0.23	0.27	0.24	0.27	0.26	0.29	0.27	0.30	0.27	0.29	0.26	0.27	0.24	0.27	0.23	0.26		
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:2018-04-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.633m [K=1.0000]
 Remarks: