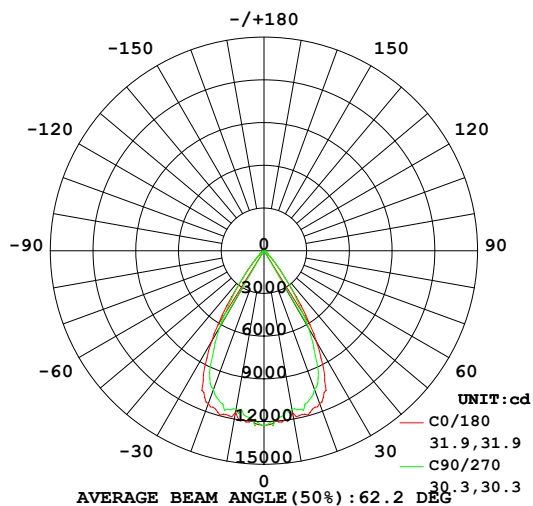


LUMINAIRE PHOTOMETRIC TEST REPORT

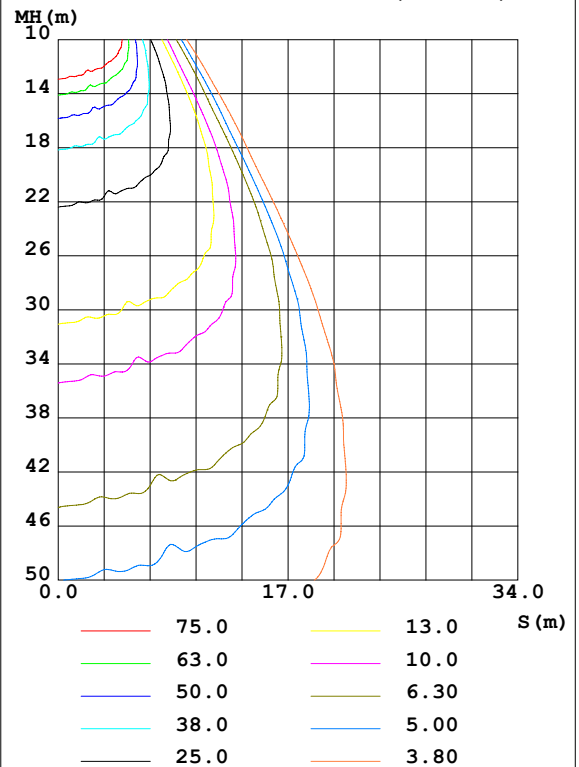
Test:U:220.0V I:0.4753A P:101.1W PF:0.9855 Freq:49.99Hz Lamp Flux:11878.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-3030-60D-PC-ALL	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 117.49 lm/W			
MODEL	3030	I _{max} (cd)	12315	S/MH (C0/180)	0.93
NOMINAL POWER (W)	100	LOR (%)	100.0	S/MH (C90/270)	0.89
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	11878	η UP, DN (C0-180)	0.0, 50.0
NOMINAL FLUX (lm)	11878.2	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: 2018-01-04

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	1150	1147	1132	1147	1150	1147	1132	1147	0- 10	1123	1123	9.46,9.46
20	1142	1065	1037	1065	1142	1065	1037	1065	10- 20	3197	4320	36.4,36.4
30	730.4	640.5	631.0	640.5	730.4	640.5	631.0	640.5	20- 30	4118	8438	71,71
40	174.9	171.0	173.2	171.0	174.9	171.0	173.2	171.0	30- 40	2334	10772	90.7,90.7
50	39.36	39.48	38.15	39.48	39.36	39.48	38.15	39.48	40- 50	658.2	11431	96.2,96.2
60	16.34	17.08	15.47	17.08	16.34	17.08	15.47	17.08	50- 60	225.7	11656	98.1,98.1
70	8.940	9.482	8.817	9.482	8.940	9.482	8.817	9.482	60- 70	124.4	11781	99.2,99.2
80	3.905	3.936	3.985	3.936	3.905	3.936	3.985	3.936	70- 80	67.59	11848	99.7,99.7
90	0	0	0	0	0	0	0	0	80- 90	29.90	11878	100,100
100	0	0	0	0	0	0	0	0	90-100	0	11878	100,100
110	0	0	0	0	0	0	0	0	100-110	0	11878	100,100
120	0	0	0	0	0	0	0	0	110-120	0	11878	100,100
130	0	0	0	0	0	0	0	0	120-130	0	11878	100,100
140	0	0	0	0	0	0	0	0	130-140	0	11878	100,100
150	0	0	0	0	0	0	0	0	140-150	0	11878	100,100
160	0	0	0	0	0	0	0	0	150-160	0	11878	100,100
170	0	0	0	0	0	0	0	0	160-170	0	11878	100,100
180	0	0	0	0	0	0	0	0	170-180	0	11878	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 11209 lm

%lum = 94.4%

%lamp = 94.4%

Conical surface Flux(120deg): 11656 lm

%lum = 98.1%

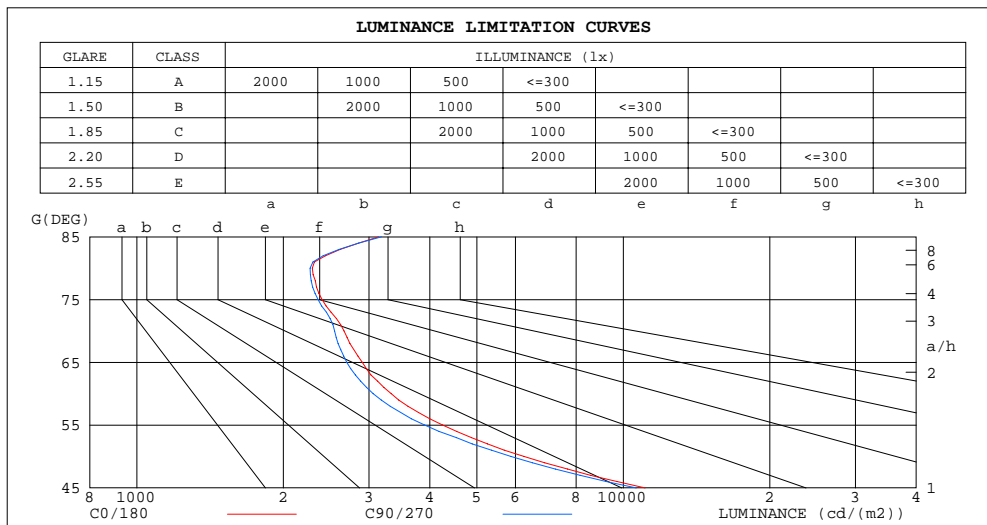
%lamp = 98.1%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-04

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:0.4753A P:101.1W PF:0.9855 Freq:49.99Hz Lamp Flux:11878.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-3030-60D-PC-ALL	DIM.: $\phi 0.248 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16\text{M}$	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	3140	3182
80	2294	2269
75	2402	2358
70	2666	2549
65	2907	2701
60	3334	3060
55	4251	3904
50	6246	5869
45	11088	10632

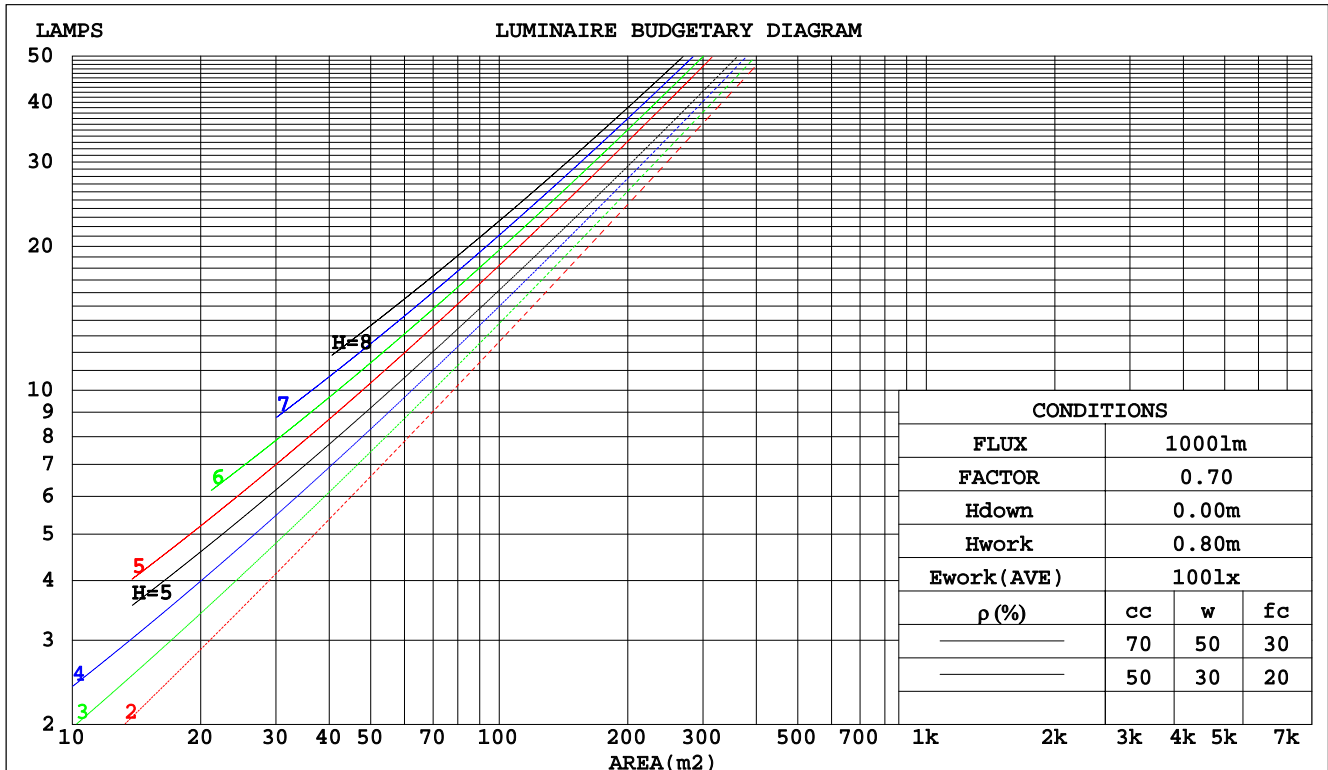
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-04

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:0.4753A P:101.1W PF:0.9855 Freq:49.99Hz Lamp Flux:11878.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-3030-60D-PC-ALL	DIM.: $\phi 0.248 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16\text{M}$	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	1.10	1.08	1.05	1.08	1.06	1.04	1.04	1.02	1.01	1.00	.99	.98	.97	.96	.95	.93
2.0	1.02	.98	.95	1.01	.97	.94	.97	.94	.92	.94	.92	.90	.92	.90	.88	.86
3.0	.95	.90	.86	.94	.89	.85	.91	.87	.84	.89	.85	.83	.86	.84	.81	.80
4.0	.89	.83	.79	.88	.82	.78	.85	.81	.77	.83	.80	.76	.82	.78	.76	.74
5.0	.83	.77	.73	.82	.76	.72	.80	.75	.72	.79	.74	.71	.77	.73	.70	.69
6.0	.78	.72	.67	.77	.71	.67	.75	.70	.67	.74	.70	.66	.73	.69	.66	.64
7.0	.73	.67	.63	.72	.67	.62	.71	.66	.62	.70	.65	.62	.69	.65	.61	.60
8.0	.69	.63	.58	.68	.62	.58	.67	.62	.58	.66	.61	.58	.65	.61	.58	.56
9.0	.65	.59	.55	.64	.59	.55	.63	.58	.54	.62	.58	.54	.62	.57	.54	.53
10.0	.61	.55	.51	.61	.55	.51	.60	.55	.51	.59	.54	.51	.58	.54	.51	.50



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-04

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:0.4753A P:101.1W PF:0.9855 Freq:49.99Hz Lamp Flux:11878.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-60D-PC-ALL	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	.186	.106	.034	.179	.102	.033	.167	.096	.031	.155	.090	.029	.144	.084	.027	
2.0	.178	.097	.030	.172	.095	.029	.161	.090	.028	.151	.085	.027	.142	.080	.025	
3.0	.169	.090	.027	.164	.088	.026	.155	.084	.025	.146	.080	.025	.138	.077	.024	
4.0	.160	.083	.024	.156	.082	.024	.148	.079	.023	.141	.076	.023	.134	.073	.022	
5.0	.152	.078	.022	.149	.076	.022	.142	.074	.022	.135	.071	.021	.129	.069	.021	
6.0	.145	.073	.021	.142	.072	.021	.136	.070	.020	.130	.068	.020	.125	.066	.020	
7.0	.138	.068	.019	.136	.068	.019	.130	.066	.019	.125	.064	.019	.120	.063	.018	
8.0	.132	.065	.018	.130	.064	.018	.125	.062	.018	.121	.061	.018	.116	.060	.017	
9.0	.127	.061	.017	.124	.061	.017	.120	.059	.017	.116	.058	.017	.112	.057	.016	
10.0	.121	.058	.016	.119	.058	.016	.116	.057	.016	.112	.056	.016	.108	.055	.016	

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	.172	.157	.144	.147	.135	.124	.101	.093	.086	.058	.054	.050	.019	.017	.016	
2.0	.157	.132	.112	.134	.114	.097	.092	.079	.067	.053	.046	.040	.017	.015	.013	
3.0	.145	.114	.089	.124	.098	.077	.085	.068	.054	.049	.040	.032	.016	.013	.010	
4.0	.135	.099	.072	.116	.086	.062	.080	.060	.044	.046	.035	.026	.015	.011	.009	
5.0	.126	.087	.059	.109	.076	.051	.075	.053	.036	.043	.031	.021	.014	.010	.007	
6.0	.119	.078	.049	.102	.068	.043	.071	.047	.030	.041	.028	.018	.013	.009	.006	
7.0	.113	.071	.041	.097	.061	.036	.067	.043	.026	.039	.025	.015	.013	.008	.005	
8.0	.107	.065	.035	.092	.056	.031	.064	.039	.022	.037	.023	.013	.012	.008	.004	
9.0	.102	.059	.031	.088	.052	.027	.061	.036	.019	.035	.021	.011	.011	.007	.004	
10.0	.097	.055	.027	.084	.048	.024	.058	.034	.017	.034	.020	.010	.011	.007	.003	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-04

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:0.4753A P:101.1W PF:0.9855 Freq:49.99Hz Lamp Flux:11878.2x1 lm										
NAME: AOK-oH					TYPE:LED			WEIGHT:2.9KG		
SPEC.:AOK-100WoH-3030-60D-PC-ALL					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	8.8	9.8	9.1	10.0	10.2	8.1	9.1	8.3	9.3	9.4
3H	8.8	9.7	9.1	9.9	10.1	8.1	9.0	8.4	9.2	9.4
4H	8.8	9.7	9.1	9.9	10.1	8.1	9.0	8.4	9.2	9.4
6H	8.8	9.6	9.1	9.8	10.1	8.1	8.9	8.4	9.1	9.4
8H	8.8	9.6	9.1	9.8	10.1	8.1	8.9	8.4	9.1	9.4
12H	8.8	9.5	9.1	9.8	10.1	8.1	8.8	8.4	9.1	9.4
4H 2H	8.7	9.5	9.0	9.7	10.0	7.9	8.8	8.2	9.0	9.2
3H	8.7	9.5	9.0	9.7	10.0	8.0	8.8	8.3	9.0	9.3
4H	8.7	9.4	9.1	9.7	10.0	8.1	8.7	8.4	9.0	9.3
6H	8.8	9.4	9.2	9.7	10.0	8.1	8.7	8.5	9.0	9.4
8H	8.8	9.3	9.2	9.7	10.1	8.1	8.7	8.5	9.0	9.4
12H	8.8	9.3	9.2	9.7	10.1	8.2	8.7	8.6	9.1	9.4
8H 4H	8.7	9.2	9.1	9.6	9.9	8.0	8.6	8.4	8.9	9.3
6H	8.7	9.2	9.2	9.6	10.0	8.1	8.6	8.5	8.9	9.4
8H	8.8	9.2	9.2	9.6	10.0	8.2	8.6	8.6	9.0	9.4
12H	8.9	9.2	9.3	9.7	10.1	8.3	8.6	8.7	9.0	9.5
12H 4H	8.6	9.1	9.0	9.5	9.9	8.0	8.5	8.4	8.8	9.2
6H	8.7	9.1	9.2	9.5	10.0	8.1	8.5	8.5	8.9	9.3
8H	8.8	9.1	9.3	9.6	10.0	8.2	8.5	8.6	8.9	9.4
Variations with the observer position at spacings:										
S = 1.0H	+ 2.6 / - 3.7					+ 2.6 / - 3.7				
1.5H	+ 4.6 / - 3.2					+ 4.6 / - 3.3				
2.0H	+ 3.1 / - 1.4					+ 3.1 / - 1.4				

CIE Pub.117, 11878 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 8.6$)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-04

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:0.4753A P:101.1W PF:0.9855 Freq:49.99Hz Lamp Flux:11878.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-60D-PC-ALL	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:

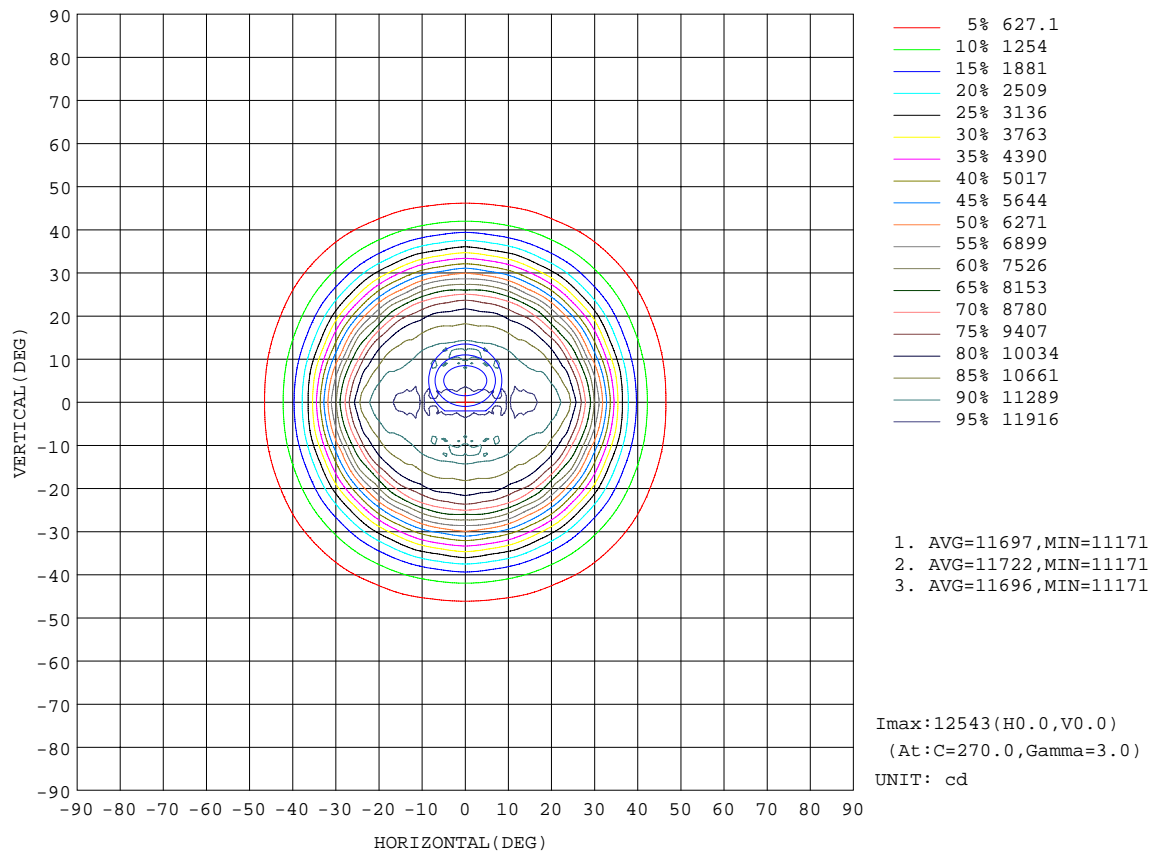
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	86	79	75	85	79	75	84	79	75	71
0.80	93	87	83	93	87	83	91	86	83	79
1.00	98	92	88	97	92	88	96	92	88	83
1.25	102	97	93	101	96	93	99	95	92	88
1.50	105	100	97	104	99	96	102	98	95	90
2.00	108	104	100	106	102	99	104	100	98	93
2.50	110	106	103	108	104	102	105	102	100	94
3.00	111	108	105	109	106	104	106	104	102	95
4.00	113	110	108	111	109	107	108	106	104	97
5.00	115	112	110	113	110	109	109	107	106	98
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:2018-01-04

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:0.4753A P:101.1W PF:0.9855 Freq:49.99Hz Lamp Flux:11878.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-60D-PC-ALL	DIM.: $\phi 0.248 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16\text{M}$	Shielding Angle:



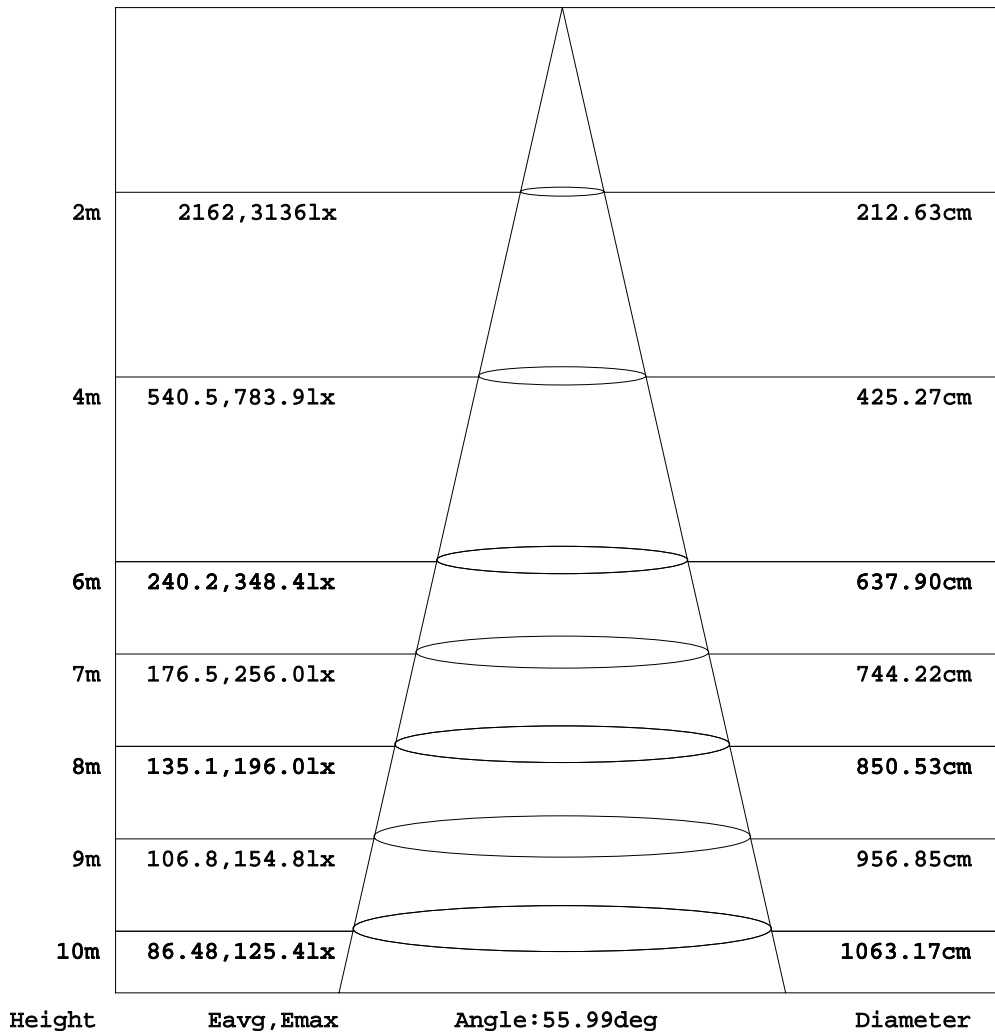
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-04

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:0.4753A P:101.1W PF:0.9855 Freq:49.99Hz Lamp Flux:11878.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-3030-60D-PC-ALL	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:

Flux out:7681 lm



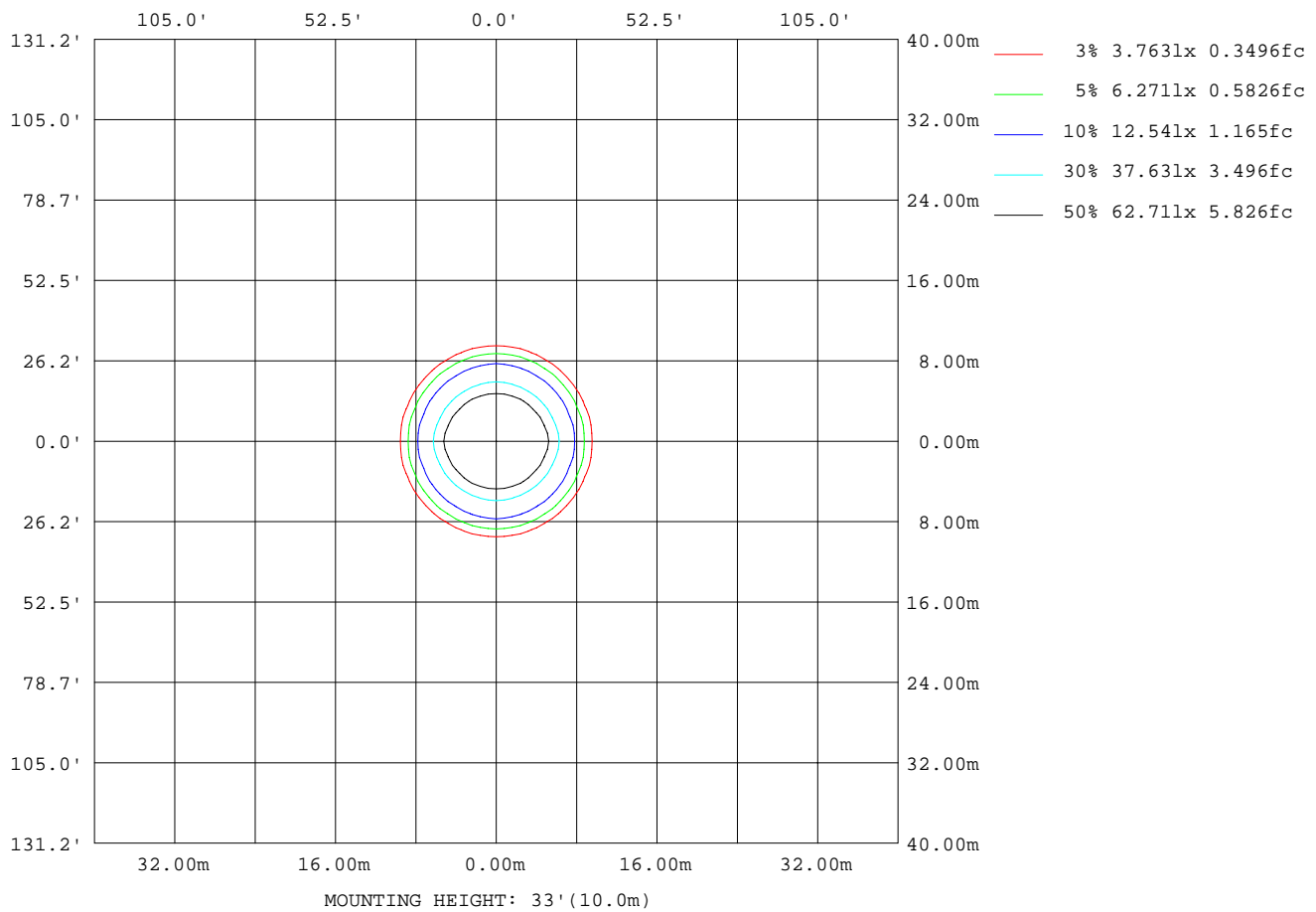
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-01-04

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:0.4753A P:101.1W PF:0.9855 Freq:49.99Hz Lamp Flux:11878.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-3030-60D-PC-ALL	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:2018-01-04

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:0.4753A P:101.1W PF:0.9855 Freq:49.99Hz Lamp Flux:11878.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-60D-PC-ALL	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

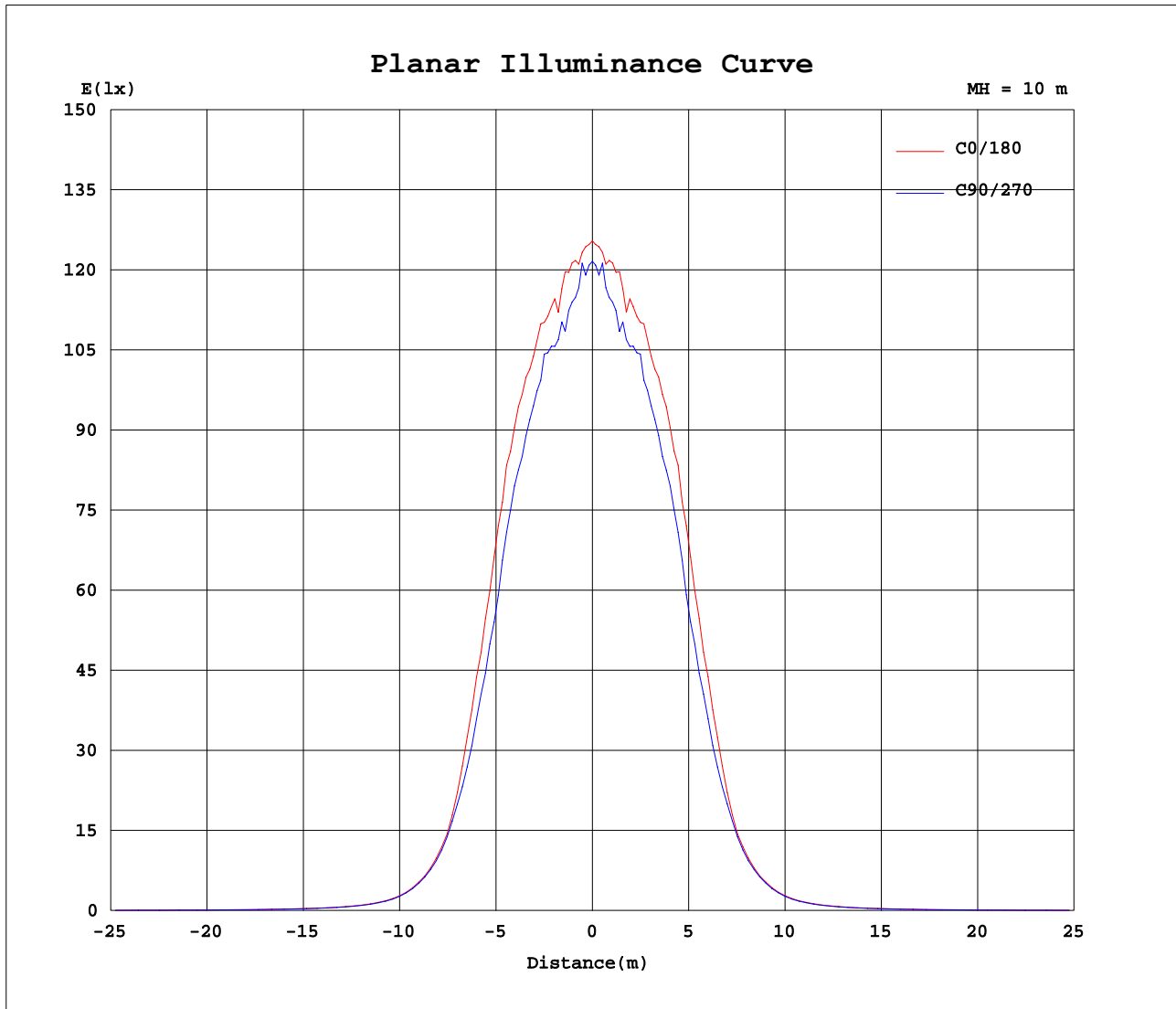
AvgL	cd/m2
L_0~180 (65) av	2850
L_0~180 (75) av	2356
L_0~180 (85) av	3078
L_90~270 (65) av	2731
L_90~270 (75) av	2384
L_90~270 (85) av	3219
L_45 (65) av	3006
L_45 (75) av	2440
L_45 (85) av	3115

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-04

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: 2018-01-04

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:0.4753A P:101.1W PF:0.9855 Freq:49.99Hz Lamp Flux:11878.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-60D-PC-ALL	DIM.: ϕ 0.248*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	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230
5	1208	1197	1185	1198	1181	1186	1184	1183	1169	1175	1169	1183	1184	1186	1181	1198	1185	1197	1208
10	1150	1170	1156	1150	1153	1141	1129	1140	1151	1132	1151	1140	1129	1141	1153	1150	1156	1170	1150
15	1196	1171	1159	1150	1148	1147	1135	1132	1131	1115	1131	1132	1135	1147	1148	1150	1159	1171	1196
20	1142	1127	1110	1095	1066	1064	1051	1056	1035	1037	1035	1056	1051	1064	1066	1095	1110	1127	1142
25	1008	983	975	948	915	904	909	895	884	892	884	895	909	904	915	948	975	983	1008
30	730	714	674	665	643	638	612	619	615	631	615	619	612	638	643	665	674	714	730
35	395	395	370	377	353	360	349	355	350	367	350	355	349	360	353	377	370	395	395
40	175	177	169	172	169	173	167	170	169	173	169	170	167	173	169	172	169	177	175
45	76.9	78.8	75.9	77.5	75.7	76.9	75.5	77.4	75.7	76.0	75.7	77.4	75.5	76.9	75.7	77.5	75.9	78.8	76.9
50	39.4	40.5	39.5	40.5	39.3	39.7	38.9	39.0	38.1	38.2	38.1	39.0	38.9	39.7	39.3	40.5	39.5	40.5	39.4
55	23.9	24.7	24.5	24.9	24.4	24.3	23.6	23.4	23.1	22.6	23.1	23.4	23.6	24.3	24.4	24.9	24.5	24.7	23.9
60	16.3	17.0	17.2	17.3	17.2	16.9	16.5	16.3	15.9	15.5	15.9	16.3	16.5	16.9	17.2	17.3	17.2	17.0	16.3
65	12.0	12.5	12.7	12.8	12.8	12.6	12.4	12.2	11.8	11.5	11.8	12.2	12.4	12.6	12.8	12.8	12.7	12.5	12.0
70	8.94	9.30	9.45	9.48	9.49	9.47	9.24	9.17	9.02	8.82	9.02	9.17	9.24	9.47	9.49	9.48	9.45	9.30	8.94
75	6.10	6.26	6.25	6.33	6.29	6.32	6.17	6.23	6.19	6.17	6.19	6.23	6.17	6.32	6.29	6.33	6.25	6.26	6.10
80	3.91	3.99	3.94	4.02	3.96	3.91	3.88	3.95	3.96	3.99	3.96	3.95	3.88	3.91	3.96	4.02	3.94	3.99	3.91
85	2.68	2.75	2.71	2.76	2.71	2.72	2.68	2.75	2.76	2.81	2.76	2.75	2.68	2.72	2.71	2.76	2.71	2.75	2.68
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:2018-01-04

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:0.4753A P:101.1W PF:0.9855 Freq:49.99Hz Lamp Flux:11878.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-60D-PC-ALL	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	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	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230		
5	1197	1185	1198	1181	1186	1184	1183	1169	1175	1169	1183	1184	1186	1181	1198	1185	1197		
10	1170	1156	1150	1153	1141	1129	1140	1151	1132	1151	1140	1129	1141	1153	1150	1156	1170		
15	1171	1159	1150	1148	1147	1135	1132	1131	1115	1131	1132	1135	1147	1148	1150	1159	1171		
20	1127	1110	1095	1066	1064	1051	1056	1035	1037	1035	1056	1051	1064	1066	1095	1110	1127		
25	983	975	948	915	904	909	895	884	892	884	895	909	904	915	948	975	983		
30	714	674	665	643	638	612	619	615	631	615	619	612	638	643	665	674	714		
35	395	370	377	353	360	349	355	350	367	350	355	349	360	353	377	370	395		
40	177	169	172	169	173	167	170	169	173	169	170	167	173	169	172	169	177		
45	78.8	75.9	77.5	75.7	76.9	75.5	77.4	75.7	76.0	75.7	77.4	75.5	76.9	75.7	77.5	75.9	78.8		
50	40.5	39.5	40.5	39.3	39.7	38.9	39.0	38.1	38.2	38.1	39.0	38.9	39.7	39.3	40.5	39.5	40.5		
55	24.7	24.5	24.9	24.4	24.3	23.6	23.4	23.1	22.6	23.1	23.4	23.6	24.3	24.4	24.9	24.5	24.7		
60	17.0	17.2	17.3	17.2	16.9	16.5	16.3	15.9	15.5	15.9	16.3	16.5	16.9	17.2	17.3	17.2	17.0		
65	12.5	12.7	12.8	12.8	12.6	12.4	12.2	11.8	11.5	11.8	12.2	12.4	12.6	12.8	12.8	12.7	12.5		
70	9.30	9.45	9.48	9.49	9.47	9.24	9.17	9.02	8.82	9.02	9.17	9.24	9.47	9.49	9.48	9.45	9.30		
75	6.26	6.25	6.33	6.29	6.32	6.17	6.23	6.19	6.17	6.19	6.23	6.17	6.32	6.29	6.33	6.25	6.26		
80	3.99	3.94	4.02	3.96	3.91	3.88	3.95	3.96	3.99	3.96	3.95	3.88	3.91	3.96	4.02	3.94	3.99		
85	2.75	2.71	2.76	2.71	2.72	2.68	2.75	2.76	2.81	2.76	2.75	2.68	2.72	2.71	2.76	2.71	2.75		
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: 2018-01-04

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: