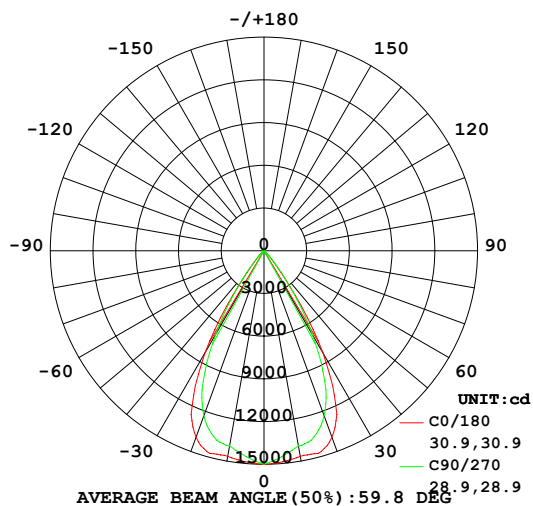


LUMINAIRE PHOTOMETRIC TEST REPORT

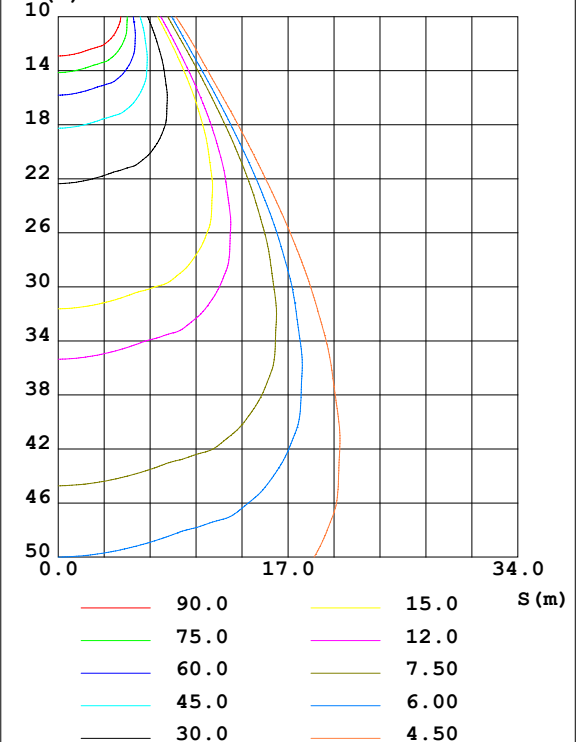
Test:U:220.0V I:0.4756A P:101.1W PF:0.9850 Freq:49.99Hz Lamp Flux:12950.8x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-3030-60D-PC	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 128.10 lm/W			
MODEL	3030	I _{max} (cd)	14995	S/MH (C0/180)	0.90
NOMINAL POWER (W)	100	LOR (%)	100.0	S/MH (C90/270)	0.86
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	12951	η UP,DN (C0-180)	0.0,50.0
NOMINAL FLUX (lm)	12950.8	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: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	1466	1416	1391	1416	1466	1416	1391	1416	0- 10	1382	1382	10.7,10.7
20	1393	1254	1234	1254	1393	1254	1234	1254	10- 20	3881	5263	40.6,40.6
30	827.7	702.7	680.8	702.7	827.7	702.7	680.8	702.7	20- 30	4724	9987	77.1,77.1
40	132.6	131.2	136.1	131.2	132.6	131.2	136.1	131.2	30- 40	2328	12315	95.1,95.1
50	15.42	16.43	16.16	16.43	15.42	16.43	16.16	16.43	40- 50	387.6	12703	98.1,98.1
60	9.411	9.827	9.322	9.827	9.411	9.827	9.322	9.827	50- 60	106.3	12809	98.9,98.9
70	6.153	6.405	6.004	6.405	6.153	6.405	6.004	6.405	60- 70	79.77	12889	99.5,99.5
80	2.506	2.411	2.556	2.411	2.506	2.411	2.556	2.411	70- 80	45.43	12934	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	16.48	12951	100,100
100	0	0	0	0	0	0	0	0	90-100	0	12951	100,100
110	0	0	0	0	0	0	0	0	100-110	0	12951	100,100
120	0	0	0	0	0	0	0	0	110-120	0	12951	100,100
130	0	0	0	0	0	0	0	0	120-130	0	12951	100,100
140	0	0	0	0	0	0	0	0	130-140	0	12951	100,100
150	0	0	0	0	0	0	0	0	140-150	0	12951	100,100
160	0	0	0	0	0	0	0	0	150-160	0	12951	100,100
170	0	0	0	0	0	0	0	0	160-170	0	12951	100,100
180	0	0	0	0	0	0	0	0	170-180	0	12951	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 12604 lm

%lum = 97.3%

%lamp = 97.3%

Conical surface Flux(120deg): 12809 lm

%lum = 98.9%

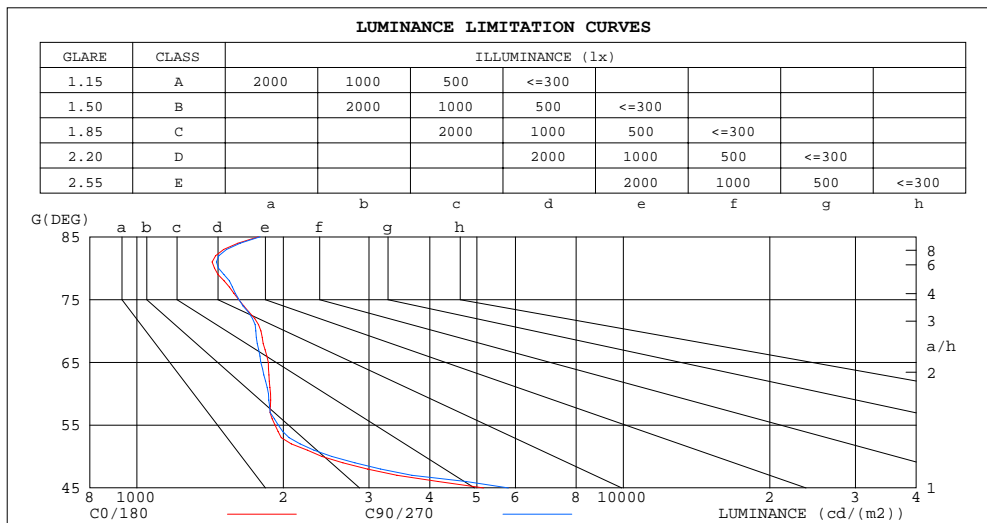
%lamp = 98.9%

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:

LUMINANCE LIMITATION CURVES

Test:U:220.0V I:0.4756A P:101.1W PF:0.9850 Freq:49.99Hz Lamp Flux:12950.8x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-3030-60D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1777	1791
80	1444	1472
75	1619	1621
70	1800	1755
65	1863	1798
60	1883	1864
55	1924	1953
50	2400	2514
45	5160	5806

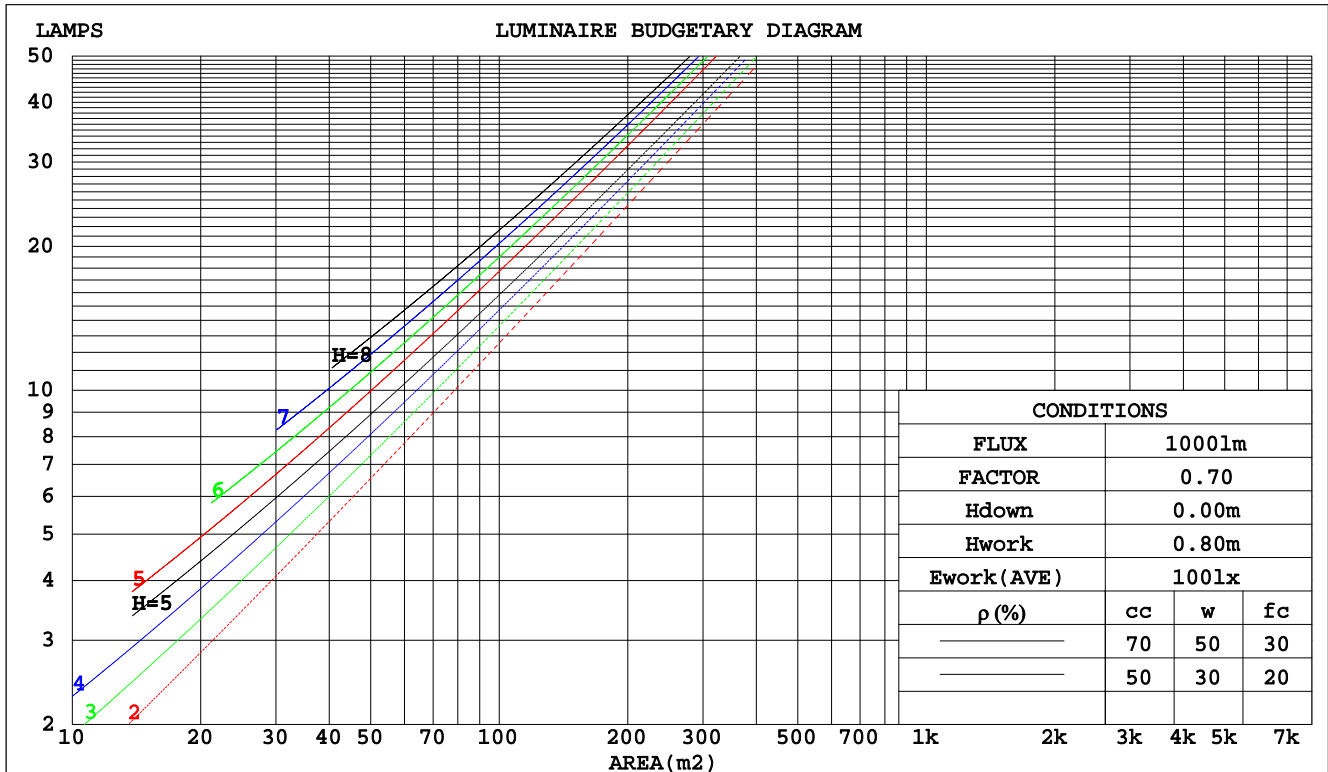
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-04

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:0.4756A P:101.1W PF:0.9850 Freq:49.99Hz Lamp Flux:12950.8x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-3030-60D-PC	DIM.: $\phi 0.248 \times 0.138M$	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	1.09	1.06	1.05	1.05	1.03	1.01	1.01	.00	.98	.98	.96	.95	.94
2.0	1.03	.99	.96	1.02	.98	.95	.98	.95	.93	.95	.93	.91	.93	.91	.89	.87
3.0	.97	.92	.88	.95	.91	.87	.93	.89	.86	.90	.87	.84	.88	.85	.83	.82
4.0	.91	.85	.81	.89	.84	.81	.87	.83	.80	.85	.82	.79	.83	.80	.78	.76
5.0	.85	.79	.75	.84	.79	.75	.82	.78	.74	.81	.77	.74	.79	.76	.73	.72
6.0	.80	.74	.70	.79	.74	.70	.78	.73	.69	.76	.72	.69	.75	.71	.68	.67
7.0	.76	.70	.66	.75	.69	.65	.74	.69	.65	.72	.68	.65	.71	.67	.64	.63
8.0	.71	.66	.62	.71	.65	.61	.70	.65	.61	.69	.64	.61	.68	.64	.61	.59
9.0	.68	.62	.58	.67	.62	.58	.66	.61	.58	.65	.61	.57	.64	.60	.57	.56
10.0	.64	.58	.55	.64	.58	.55	.63	.58	.54	.62	.57	.54	.61	.57	.54	.53



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:0.4756A P:101.1W PF:0.9850 Freq:49.99Hz Lamp Flux:12950.8x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-60D-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	.176	.100	.032	.169	.097	.031	.157	.090	.029	.145	.084	.027	.135	.078	.025		
2.0	.168	.092	.028	.162	.089	.027	.151	.084	.026	.142	.079	.025	.133	.075	.024		
3.0	.159	.085	.025	.154	.083	.025	.145	.079	.024	.137	.075	.023	.129	.072	.022		
4.0	.151	.079	.023	.147	.077	.023	.139	.074	.022	.132	.071	.021	.126	.068	.021		
5.0	.144	.073	.021	.141	.072	.021	.134	.070	.021	.128	.067	.020	.122	.065	.020		
6.0	.138	.069	.020	.134	.068	.020	.129	.066	.019	.123	.064	.019	.118	.062	.018		
7.0	.132	.065	.018	.129	.064	.018	.124	.062	.018	.119	.061	.018	.114	.059	.017		
8.0	.126	.062	.017	.124	.061	.017	.119	.059	.017	.114	.058	.017	.110	.057	.016		
9.0	.121	.058	.016	.119	.058	.016	.114	.057	.016	.110	.055	.016	.107	.054	.016		
10.0	.116	.056	.015	.114	.055	.015	.110	.054	.015	.107	.053	.015	.103	.052	.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	.146	.135	.125	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.156	.133	.113	.133	.114	.098	.091	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.143	.114	.090	.123	.098	.078	.084	.068	.055	.049	.040	.032	.016	.013	.011	
4.0	.133	.099	.073	.114	.085	.063	.078	.059	.045	.045	.035	.026	.015	.011	.009	
5.0	.124	.087	.060	.106	.075	.052	.073	.053	.037	.042	.031	.022	.014	.010	.007	
6.0	.116	.078	.050	.100	.067	.044	.069	.047	.031	.040	.028	.018	.013	.009	.006	
7.0	.110	.070	.042	.095	.061	.037	.065	.043	.026	.038	.025	.016	.012	.008	.005	
8.0	.104	.064	.036	.090	.056	.032	.062	.039	.022	.036	.023	.013	.012	.008	.004	
9.0	.099	.059	.031	.086	.051	.027	.059	.036	.019	.035	.021	.012	.011	.007	.004	
10.0	.095	.054	.028	.082	.047	.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:2018-01-04

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:0.4756A P:101.1W PF:0.9850 Freq:49.99Hz Lamp Flux:12950.8x1 lm										
NAME: AOK-oH					TYPE:LED			WEIGHT:2.9KG		
SPEC.:AOK-100WoH-3030-60D-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	7.6	8.6	7.9	8.7	8.9	6.8	7.8	7.1	7.9	8.1
3H	7.5	8.4	7.8	8.6	8.8	6.8	7.6	7.0	7.8	8.0
4H	7.5	8.3	7.8	8.5	8.8	6.7	7.5	7.0	7.8	8.0
6H	7.5	8.2	7.8	8.5	8.7	6.7	7.5	7.0	7.7	7.9
8H	7.4	8.2	7.7	8.4	8.7	6.7	7.4	7.0	7.7	7.9
12H	7.4	8.1	7.7	8.4	8.6	6.6	7.3	7.0	7.6	7.9
4H 2H	7.4	8.2	7.7	8.4	8.7	6.6	7.4	6.9	7.7	7.9
3H	7.4	8.1	7.7	8.3	8.6	6.6	7.3	6.9	7.6	7.8
4H	7.3	8.0	7.7	8.3	8.6	6.6	7.2	6.9	7.5	7.8
6H	7.3	7.9	7.7	8.2	8.5	6.6	7.1	7.0	7.5	7.8
8H	7.3	7.8	7.7	8.1	8.5	6.6	7.1	7.0	7.4	7.8
12H	7.3	7.7	7.7	8.1	8.5	6.6	7.0	7.0	7.4	7.8
8H 4H	7.2	7.7	7.6	8.1	8.5	6.5	7.0	6.9	7.4	7.7
6H	7.2	7.6	7.6	8.0	8.4	6.5	6.9	6.9	7.3	7.7
8H	7.2	7.6	7.7	8.0	8.4	6.5	6.9	6.9	7.3	7.7
12H	7.2	7.5	7.7	8.0	8.4	6.5	6.8	7.0	7.3	7.7
12H 4H	7.2	7.7	7.6	8.0	8.4	6.5	6.9	6.9	7.3	7.7
6H	7.2	7.5	7.6	8.0	8.4	6.5	6.8	6.9	7.3	7.7
8H	7.2	7.5	7.6	7.9	8.4	6.5	6.8	6.9	7.2	7.7
Variations with the observer position at spacings:										
S = 1.0H	+ 3.5 / - 5.0					+ 3.5 / - 5.1				
1.5H	+ 6.0 / - 4.9					+ 5.9 / - 4.9				
2.0H	+ 2.3 / - 0.8					+ 3.0 / - 0.7				

CIE Pub.117, 12951 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 8.9$)

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:0.4756A P:101.1W PF:0.9850 Freq:49.99Hz Lamp Flux:12950.8x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-60D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:

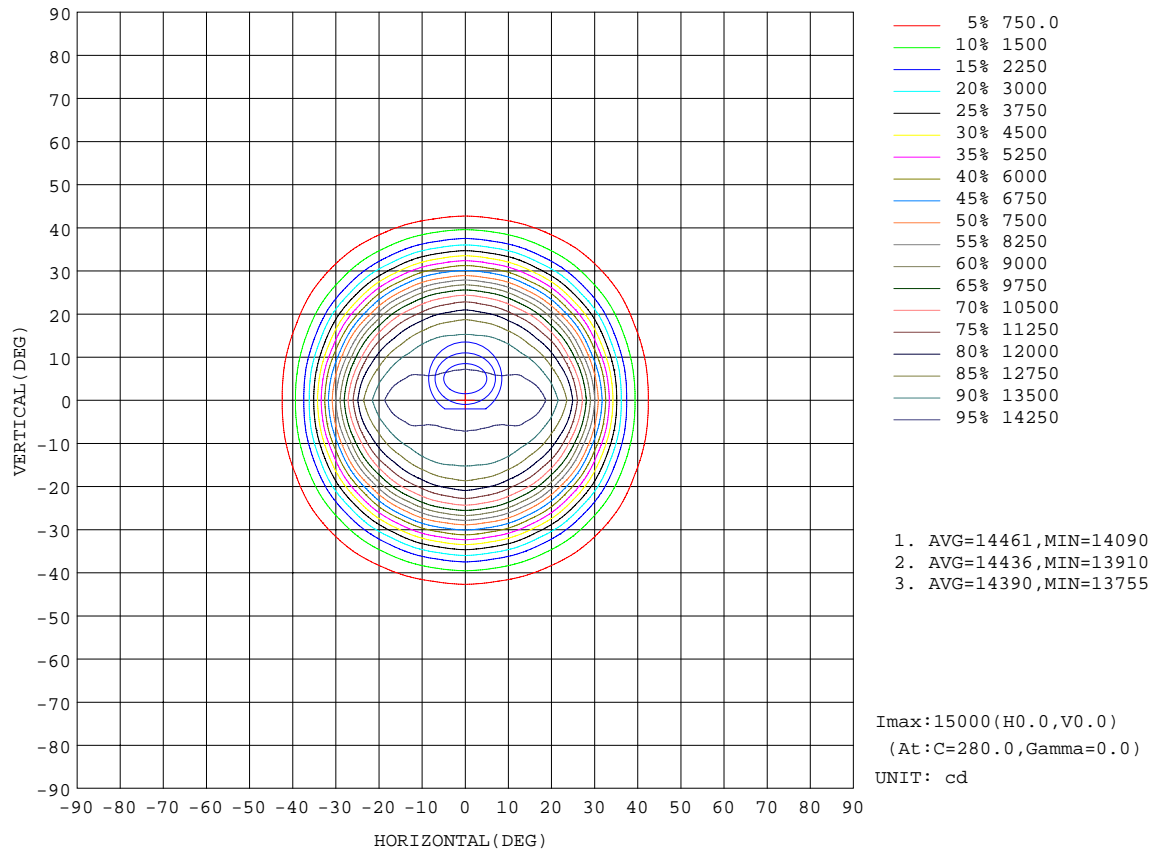
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	89	82	79	88	82	79	87	82	79	75
0.80	96	90	87	95	90	86	94	89	86	82
1.00	100	95	91	99	94	91	98	94	90	86
1.25	104	99	95	103	98	95	101	97	94	90
1.50	106	102	99	105	101	98	103	100	97	93
2.00	109	105	102	107	104	101	105	102	99	94
2.50	110	107	104	109	106	103	106	103	101	95
3.00	112	109	106	110	107	105	107	105	103	96
4.00	114	111	109	112	110	108	108	107	105	98
5.00	115	113	111	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:2018-01-04

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:0.4756A P:101.1W PF:0.9850 Freq:49.99Hz Lamp Flux:12950.8x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-60D-PC	DIM.: $\phi 0.248 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16\text{M}$	Shielding Angle:



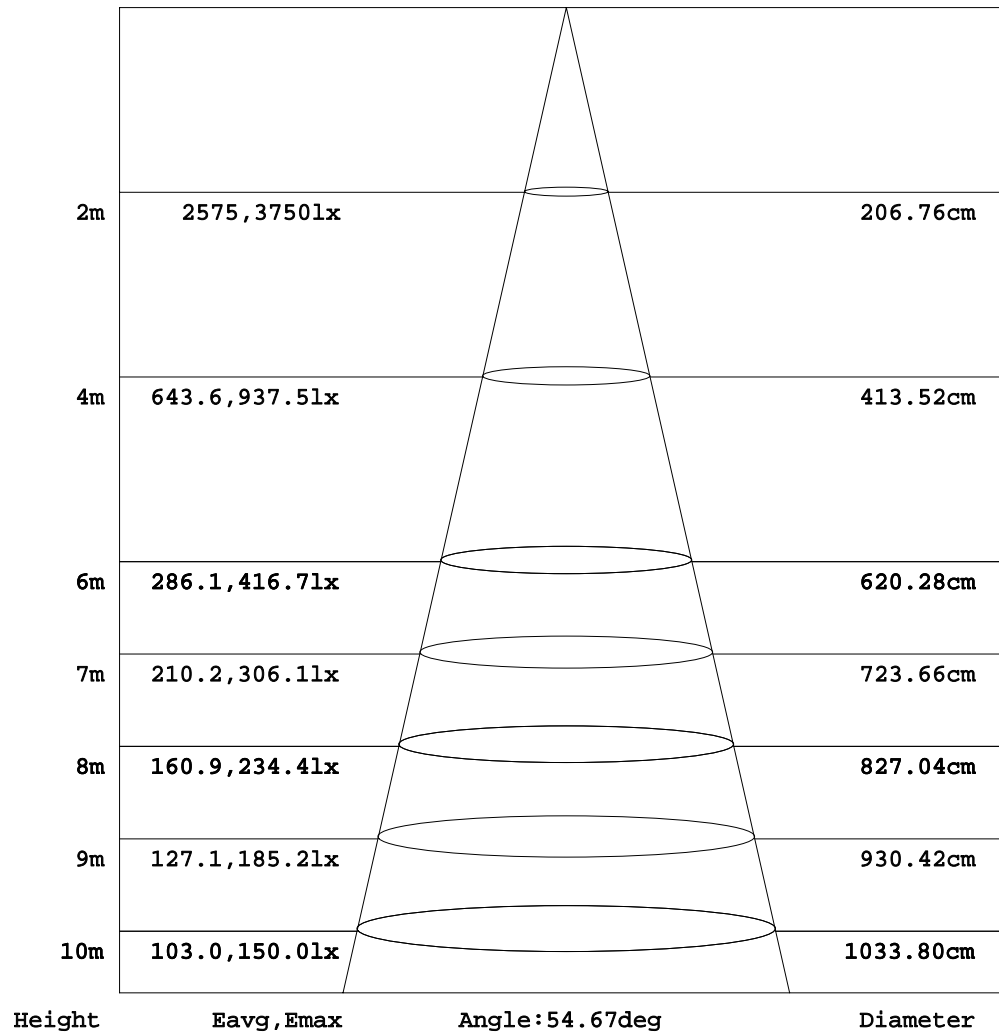
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-04

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:0.4756A P:101.1W PF:0.9850 Freq:49.99Hz Lamp Flux:12950.8x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-3030-60D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:

Flux out:9146 lm



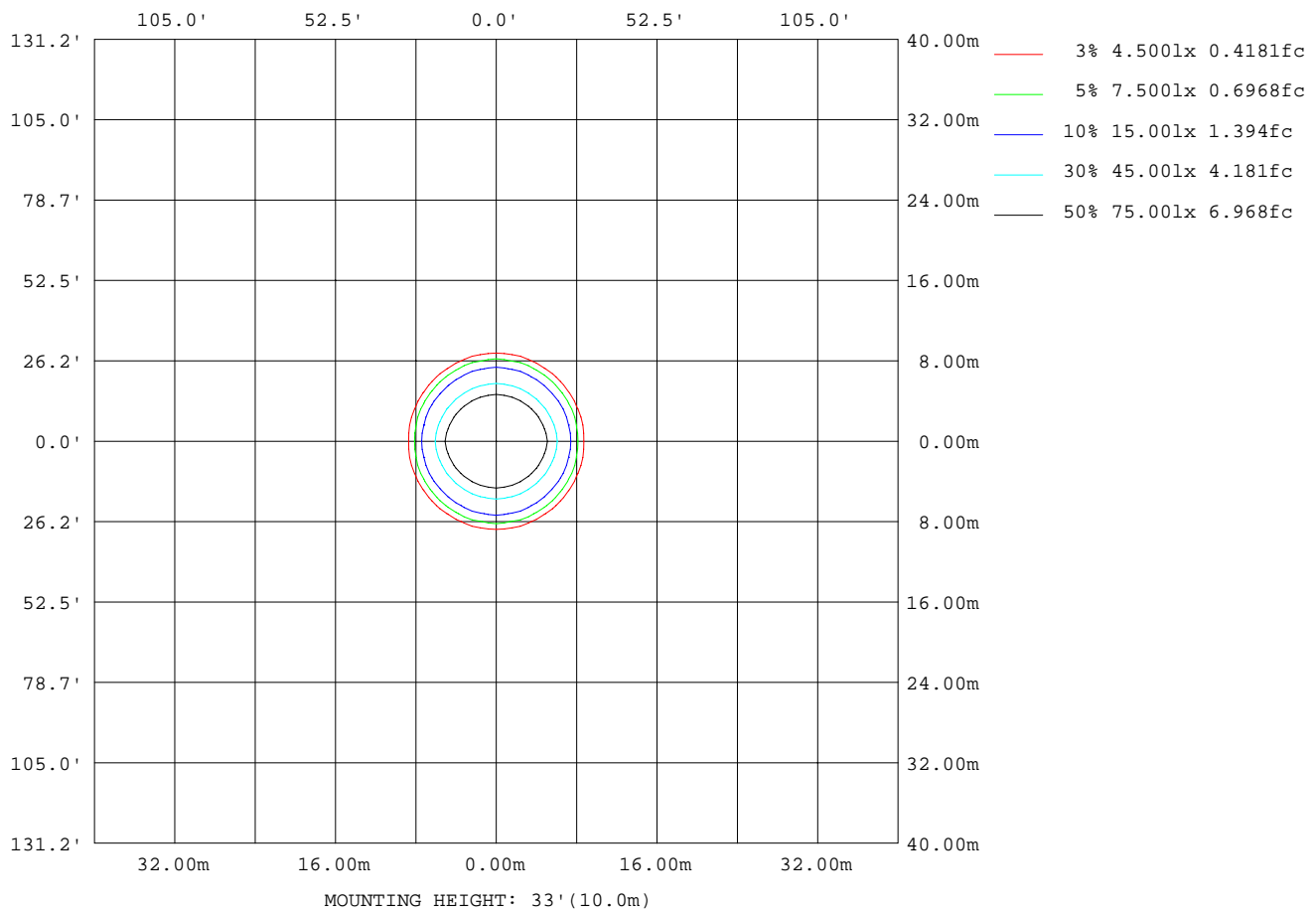
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.4756A P:101.1W PF:0.9850 Freq:49.99Hz Lamp Flux:12950.8x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-60D-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:2018-01-04

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:0.4756A P:101.1W PF:0.9850 Freq:49.99Hz Lamp Flux:12950.8x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-60D-PC	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

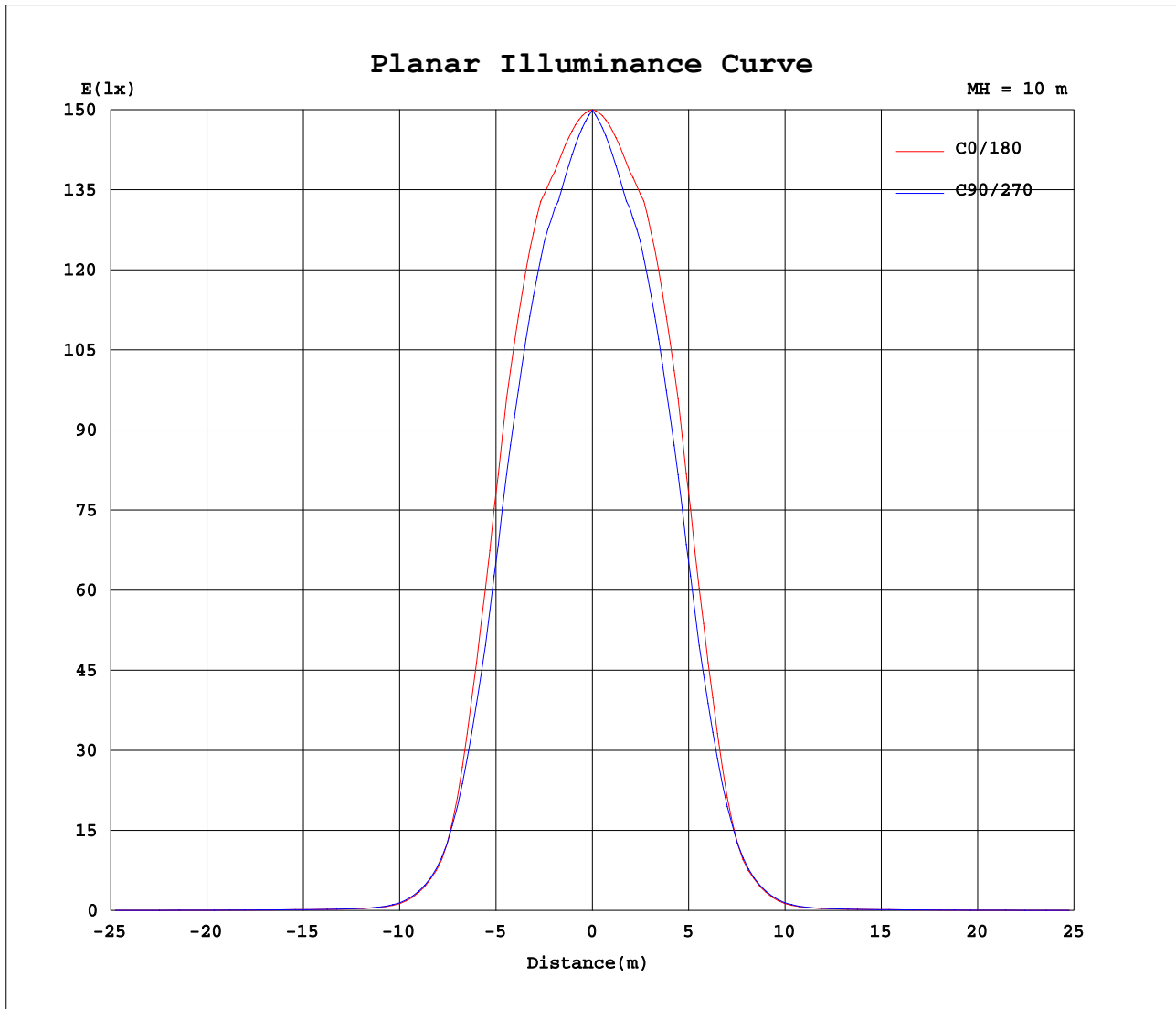
AvgL	cd/m2
L_0~180 (65) av	1862
L_0~180 (75) av	1618
L_0~180 (85) av	1776
L_90~270 (65) av	1798
L_90~270 (75) av	1621
L_90~270 (85) av	1791
L_45 (65) av	1934
L_45 (75) av	1626
L_45 (85) av	1670

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:0.4756A P:101.1W PF:0.9850 Freq:49.99Hz Lamp Flux:12950.8x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-60D-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	1499	1499	1499	1499	1499	1499	1499	1499	1499	1499	1499	1499	1499	1499	1499	1499	1499	1499	1499
5	1488	1481	1474	1468	1462	1458	1454	1452	1450	1451	1450	1452	1454	1458	1462	1468	1474	1481	1488
10	1466	1452	1439	1428	1421	1412	1407	1399	1394	1391	1394	1399	1407	1412	1421	1428	1439	1452	1466
15	1474	1447	1421	1402	1383	1373	1366	1361	1355	1355	1355	1361	1366	1373	1383	1402	1421	1447	1474
20	1393	1362	1322	1293	1262	1247	1233	1232	1228	1234	1228	1232	1233	1247	1262	1293	1322	1362	1393
25	1194	1160	1114	1089	1055	1038	1018	1016	1006	1013	1006	1016	1018	1038	1055	1089	1114	1160	1194
30	828	802	765	742	709	697	683	684	676	681	676	684	683	697	709	742	765	802	828
35	385	383	369	369	355	354	343	350	343	355	343	350	343	354	355	369	369	383	385
40	133	133	133	131	131	132	132	134	134	136	134	134	132	132	131	131	133	133	133
45	36.5	38.3	38.1	39.1	38.3	39.4	37.6	39.5	39.1	41.1	39.1	39.5	37.6	39.4	38.3	39.1	38.1	38.3	36.5
50	15.4	16.0	16.2	16.7	16.4	16.4	15.8	16.0	15.9	16.2	15.9	16.0	15.8	16.4	16.4	16.7	16.2	16.0	15.4
55	11.0	11.6	12.0	12.0	11.7	11.4	11.1	11.2	11.2	11.2	11.2	11.2	11.1	11.4	11.7	12.0	12.0	11.6	11.0
60	9.41	9.89	10.2	10.1	9.94	9.72	9.59	9.54	9.43	9.32	9.43	9.54	9.59	9.72	9.94	10.1	10.2	9.89	9.41
65	7.87	8.20	8.41	8.34	8.23	8.13	8.09	7.91	7.79	7.60	7.79	7.91	8.09	8.13	8.23	8.34	8.41	8.20	7.87
70	6.15	6.39	6.52	6.42	6.40	6.41	6.31	6.28	6.13	6.00	6.13	6.28	6.31	6.41	6.40	6.42	6.52	6.39	6.15
75	4.19	4.26	4.23	4.23	4.18	4.24	4.17	4.22	4.18	4.20	4.18	4.22	4.17	4.24	4.18	4.23	4.23	4.26	4.19
80	2.51	2.53	2.45	2.47	2.42	2.41	2.42	2.47	2.49	2.56	2.49	2.47	2.42	2.41	2.42	2.47	2.45	2.53	2.51
85	1.55	1.54	1.51	1.50	1.46	1.46	1.47	1.52	1.54	1.56	1.54	1.52	1.47	1.46	1.46	1.50	1.51	1.54	1.55
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:0.4756A P:101.1W PF:0.9850 Freq:49.99Hz Lamp Flux:12950.8x1 lm																	
NAME: AOK-oH									TYPE:LED						WEIGHT:2.9KG		
SPEC.:AOK-100WoH-3030-60D-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	1499	1499	1499	1499	1499	1499	1499	1499	1499	1499	1499	1499	1499	1499	1499	1499	1499		
5	1481	1474	1468	1462	1458	1454	1452	1450	1451	1450	1452	1454	1458	1462	1468	1474	1481		
10	1452	1439	1428	1421	1412	1407	1399	1394	1391	1394	1399	1407	1412	1421	1428	1439	1452		
15	1447	1421	1402	1383	1373	1366	1361	1355	1355	1355	1361	1366	1373	1383	1402	1421	1447		
20	1362	1322	1293	1262	1247	1233	1232	1228	1234	1228	1232	1233	1247	1262	1293	1322	1362		
25	1160	1114	1089	1055	1038	1018	1016	1006	1013	1006	1016	1018	1038	1055	1089	1114	1160		
30	802	765	742	709	697	683	684	676	681	676	684	683	697	709	742	765	802		
35	383	369	369	355	354	343	350	343	355	343	350	343	354	355	369	369	383		
40	133	133	131	131	132	132	134	134	136	134	134	132	132	131	131	133	133		
45	38.3	38.1	39.1	38.3	39.4	37.6	39.5	39.1	41.1	39.1	39.5	37.6	39.4	38.3	39.1	38.1	38.3		
50	16.0	16.2	16.7	16.4	16.4	15.8	16.0	15.9	16.2	15.9	16.0	15.8	16.4	16.4	16.7	16.2	16.0		
55	11.6	12.0	12.0	11.7	11.4	11.1	11.2	11.2	11.2	11.2	11.2	11.1	11.4	11.7	12.0	12.0	11.6		
60	9.89	10.2	10.1	9.94	9.72	9.59	9.54	9.43	9.32	9.43	9.54	9.59	9.72	9.94	10.1	10.2	9.89		
65	8.20	8.41	8.34	8.23	8.13	8.09	7.91	7.79	7.60	7.79	7.91	8.09	8.13	8.23	8.34	8.41	8.20		
70	6.39	6.52	6.42	6.40	6.41	6.31	6.28	6.13	6.00	6.13	6.28	6.31	6.41	6.40	6.42	6.52	6.39		
75	4.26	4.23	4.23	4.18	4.24	4.17	4.22	4.18	4.20	4.18	4.22	4.17	4.24	4.18	4.23	4.23	4.26		
80	2.53	2.45	2.47	2.42	2.41	2.42	2.47	2.49	2.56	2.49	2.47	2.42	2.41	2.42	2.47	2.45	2.53		
85	1.54	1.51	1.50	1.46	1.46	1.47	1.52	1.54	1.56	1.54	1.52	1.47	1.46	1.46	1.50	1.51	1.54		
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: