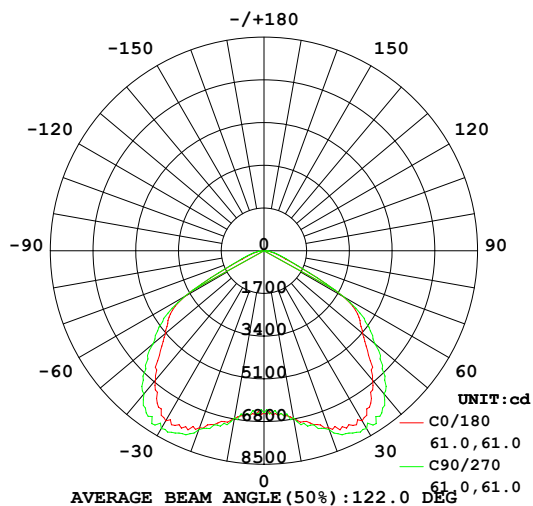


LUMINAIRE PHOTOMETRIC TEST REPORT

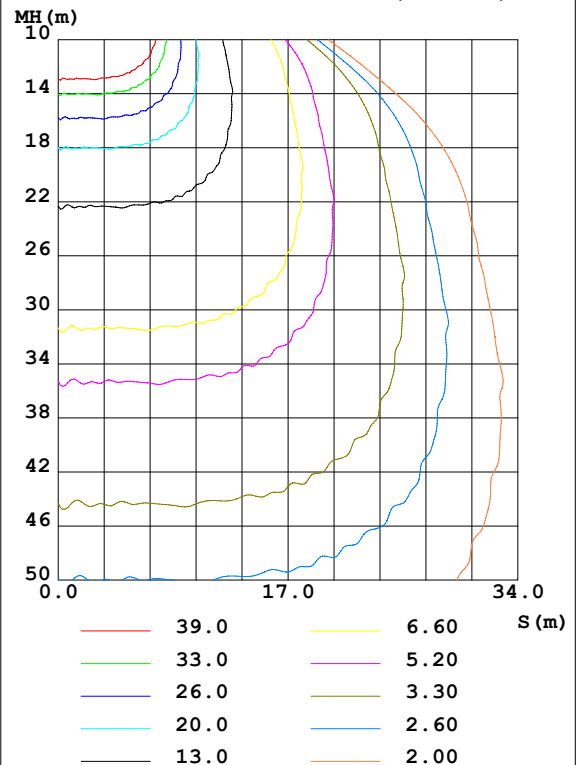
Test:U:220.1V I:0.9672A P:198.2W PF:0.9735 Freq:49.99Hz Lamp Flux:23031.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200Woh-3030-120D-PC-ALL	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 116.20 lm/W			
MODEL	3030	I _{max} (cd)	8257	S/MH (C0/180)	1.58
NOMINAL POWER (W)	200	LOR (%)	100.0	S/MH (C90/270)	1.66
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	23031	η UP,DN (C0-180)	0.0,50.0
NOMINAL FLUX (lm)	23031.1	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,50.0
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	1.55

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:2017-12-29

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	6778	6888	6741	6888	6778	6888	6741	6888	0- 10	635.7	635.7	2.76, 2.76
20	7488	7612	7571	7612	7488	7612	7571	7612	10- 20	2059	2695	11.7, 11.7
30	7808	7902	8172	7902	7808	7902	8172	7902	20- 30	3636	6331	27.5, 27.5
40	6725	7264	7432	7264	6725	7264	7432	7264	30- 40	4827	11158	48.4, 48.4
50	5106	5460	5766	5460	5106	5460	5766	5460	40- 50	4933	16091	69.9, 69.9
60	3633	3705	3648	3705	3633	3705	3648	3705	50- 60	4262	20354	88.4, 88.4
70	835.7	872.2	929.1	872.2	835.7	872.2	929.1	872.2	60- 70	1878	22232	96.5, 96.5
80	300.7	311.4	331.2	311.4	300.7	311.4	331.2	311.4	70- 80	592.7	22825	99.1, 99.1
90	0	0	0	0	0	0	0	0	80- 90	206.5	23031	100, 100
100	0	0	0	0	0	0	0	0	90-100	0	23031	100, 100
110	0	0	0	0	0	0	0	0	100-110	0	23031	100, 100
120	0	0	0	0	0	0	0	0	110-120	0	23031	100, 100
130	0	0	0	0	0	0	0	0	120-130	0	23031	100, 100
140	0	0	0	0	0	0	0	0	130-140	0	23031	100, 100
150	0	0	0	0	0	0	0	0	140-150	0	23031	100, 100
160	0	0	0	0	0	0	0	0	150-160	0	23031	100, 100
170	0	0	0	0	0	0	0	0	160-170	0	23031	100, 100
180	0	0	0	0	0	0	0	0	170-180	0	23031	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 13689 lm

%lum = 59.4%

%lamp = 59.4%

Conical surface Flux(120deg): 20354 lm

%lum = 88.4%

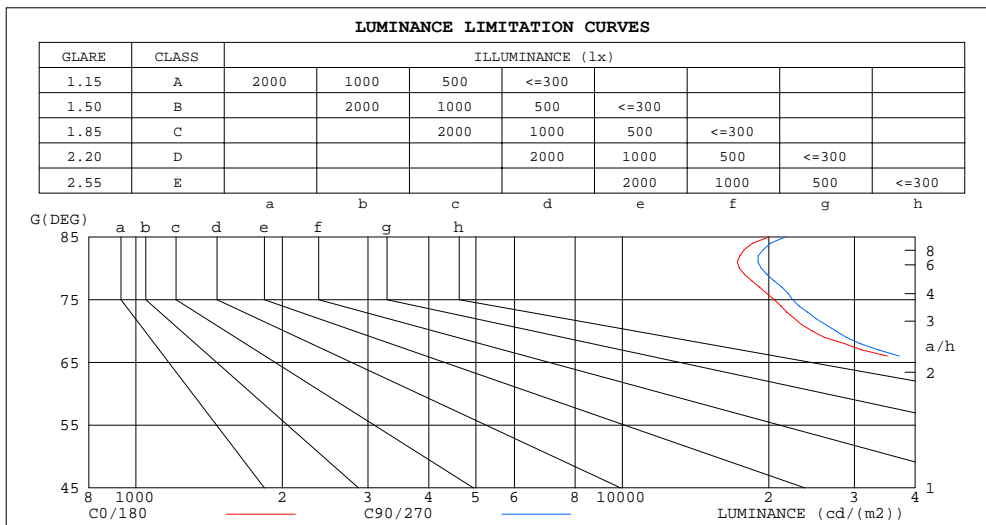
%lamp = 88.4%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2017-12-29

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:220.1V I:0.9672A P:198.2W PF:0.9735 Freq:49.99Hz Lamp Flux:23031.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200Woh-3030-120D-PC-ALL	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	20035	21661
80	17401	19290
75	20509	22381
70	24557	27479
65	40212	41487
60	73034	73794
55	80871	86860
50	79843	90729
45	83693	95151

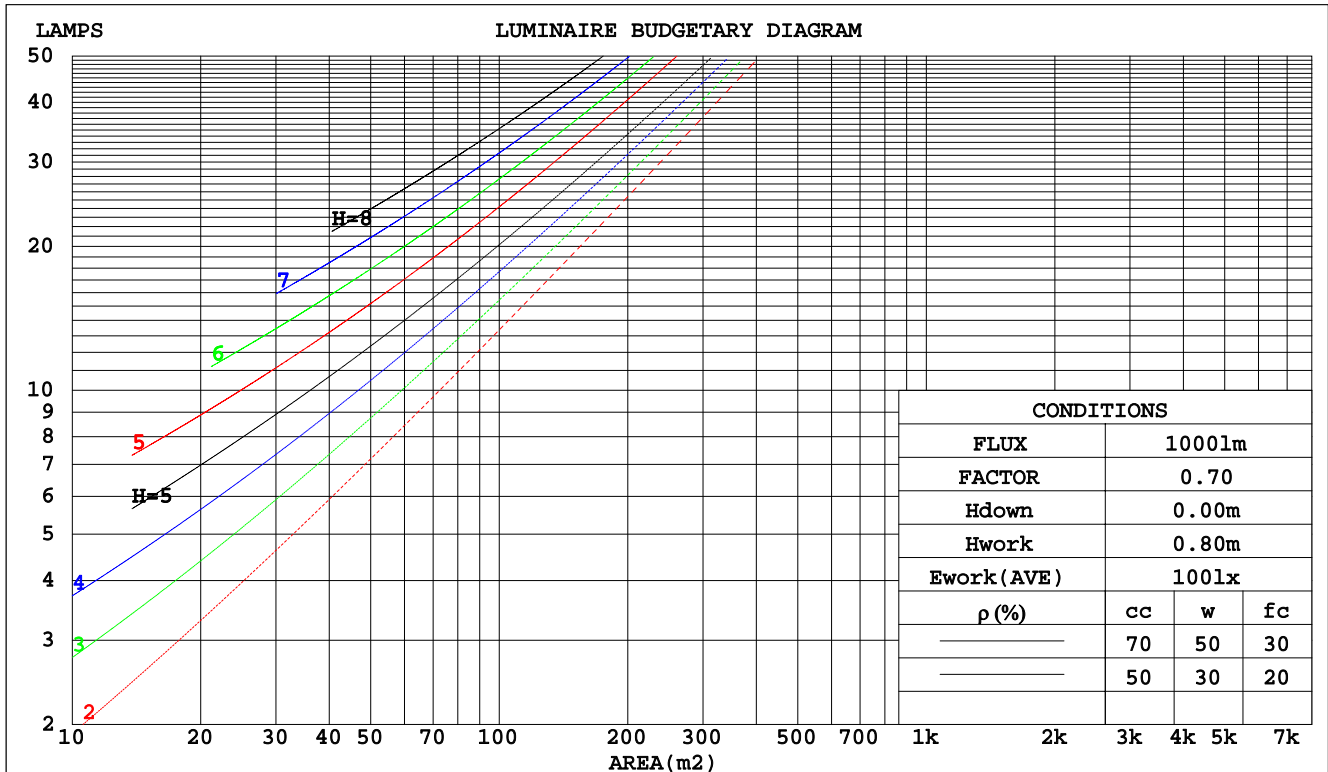
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-29

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:220.1V I:0.9672A P:198.2W PF:0.9735 Freq:49.99Hz Lamp Flux:23031.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-3030-120D-PC-ALL	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	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						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	1.06	1.02	.99	1.04	1.00	.97	.99	.97	.94	.96	.93	.91	.92	.90	.88	.86
2.0	.93	.87	.82	.92	.86	.81	.88	.83	.79	.85	.81	.77	.82	.79	.76	.74
3.0	.83	.75	.69	.81	.74	.68	.78	.72	.67	.75	.70	.66	.73	.68	.65	.63
4.0	.73	.65	.59	.72	.64	.58	.69	.63	.57	.67	.61	.57	.65	.60	.56	.54
5.0	.65	.57	.50	.64	.56	.50	.62	.55	.50	.60	.54	.49	.58	.53	.49	.46
6.0	.59	.50	.44	.58	.50	.44	.56	.49	.43	.54	.48	.43	.53	.47	.43	.41
7.0	.53	.45	.39	.52	.44	.38	.51	.43	.38	.49	.43	.38	.48	.42	.38	.36
8.0	.48	.40	.34	.48	.40	.34	.46	.39	.34	.45	.38	.34	.44	.38	.33	.32
9.0	.44	.36	.30	.44	.36	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28
10.0	.41	.33	.27	.40	.32	.27	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-12-29

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:220.1V I:0.9672A P:198.2W PF:0.9735 Freq:49.99Hz Lamp Flux:23031.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-3030-120D-PC-ALL	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	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	.272	.155	.049	.265	.151	.048	.252	.145	.046	.240	.138	.044	.229	.133	.043		
2.0	.264	.145	.044	.258	.142	.044	.246	.137	.043	.236	.132	.041	.226	.128	.040		
3.0	.250	.133	.040	.244	.131	.039	.234	.127	.039	.225	.123	.038	.216	.120	.037		
4.0	.235	.122	.036	.230	.120	.036	.221	.117	.035	.213	.114	.034	.205	.111	.034		
5.0	.220	.112	.032	.216	.111	.032	.208	.108	.032	.200	.106	.031	.193	.103	.031		
6.0	.206	.103	.030	.202	.102	.029	.195	.100	.029	.189	.098	.029	.182	.096	.029		
7.0	.194	.096	.027	.190	.095	.027	.184	.093	.027	.178	.091	.027	.172	.089	.026		
8.0	.182	.089	.025	.179	.088	.025	.173	.087	.025	.168	.085	.025	.163	.084	.024		
9.0	.171	.083	.023	.169	.082	.023	.163	.081	.023	.159	.079	.023	.154	.078	.023		
10.0	.162	.078	.022	.159	.077	.021	.155	.076	.021	.150	.075	.021	.146	.073	.021		

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	.178	.156	.137	.152	.134	.118	.104	.092	.082	.060	.053	.048	.019	.017	.015	
2.0	.169	.132	.101	.144	.114	.088	.099	.079	.061	.057	.046	.036	.018	.015	.012	
3.0	.161	.114	.077	.138	.098	.067	.095	.068	.047	.055	.040	.028	.018	.013	.009	
4.0	.153	.101	.060	.132	.087	.053	.090	.061	.037	.052	.036	.022	.017	.012	.007	
5.0	.146	.090	.049	.126	.078	.042	.087	.055	.030	.050	.032	.018	.016	.010	.006	
6.0	.140	.082	.040	.120	.071	.035	.083	.050	.025	.048	.029	.015	.016	.010	.005	
7.0	.133	.075	.034	.115	.065	.030	.079	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.127	.069	.029	.110	.060	.025	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.122	.064	.026	.105	.056	.022	.073	.039	.016	.042	.023	.009	.014	.008	.003	
10.0	.116	.060	.023	.100	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-29

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:220.1V I:0.9672A P:198.2W PF:0.9735 Freq:49.99Hz Lamp Flux:23031.1x1 lm											
NAME: AOK-oH					TYPE:LED			WEIGHT:6.0KG			
SPEC.:AOK-200WoH-3030-120D-PC-ALL					DIM.: $\phi 0.4*0.141M$			SERIAL No.:1			
MFR.: AOK					SUR.: $\phi 0.29M$			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		17.3	18.7	17.5	18.9	19.1	17.5	18.9	17.7	19.1	19.3
3H		17.5	18.8	17.7	19.0	19.3	17.7	19.0	18.0	19.2	19.5
4H		17.5	18.7	17.8	19.0	19.2	17.7	19.0	18.0	19.2	19.5
6H		17.5	18.7	17.8	18.9	19.2	17.7	18.9	18.0	19.2	19.4
8H		17.5	18.6	17.8	18.9	19.2	17.7	18.8	18.0	19.1	19.4
12H		17.4	18.5	17.8	18.8	19.1	17.7	18.8	18.0	19.1	19.4
4H	2H	17.5	18.8	17.8	19.0	19.3	17.7	18.9	18.0	19.2	19.4
	3H	17.7	18.8	18.1	19.1	19.4	17.9	19.0	18.3	19.3	19.6
	4H	17.8	18.8	18.2	19.1	19.4	18.0	19.0	18.4	19.3	19.7
	6H	17.9	18.7	18.3	19.1	19.4	18.1	19.0	18.5	19.3	19.7
	8H	17.9	18.7	18.3	19.1	19.4	18.1	18.9	18.5	19.3	19.7
	12H	17.9	18.6	18.3	19.0	19.4	18.1	18.9	18.5	19.2	19.6
8H	4H	17.8	18.6	18.2	18.9	19.3	18.0	18.8	18.4	19.1	19.5
	6H	17.9	18.5	18.3	18.9	19.4	18.1	18.8	18.5	19.2	19.6
	8H	17.9	18.5	18.4	18.9	19.4	18.2	18.7	18.6	19.2	19.6
	12H	18.0	18.5	18.5	18.9	19.4	18.2	18.7	18.7	19.2	19.6
12H	4H	17.7	18.5	18.2	18.9	19.3	17.9	18.7	18.4	19.1	19.5
	6H	17.9	18.5	18.3	18.9	19.3	18.1	18.7	18.5	19.1	19.5
	8H	17.9	18.4	18.4	18.9	19.4	18.2	18.7	18.6	19.1	19.6
Variations with the observer position at spacings:											
S = 1.0H		+ 0.4 / - 0.5					+ 0.3 / - 0.4				
1.5H		+ 0.8 / - 1.0					+ 0.7 / - 1.0				
2.0H		+ 0.8 / - 1.9					+ 0.8 / - 2.2				

CIE Pub.117, 23031 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 10.9$)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-29

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:220.1V I:0.9672A P:198.2W PF:0.9735 Freq:49.99Hz Lamp Flux:23031.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-3030-120D-PC-ALL	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

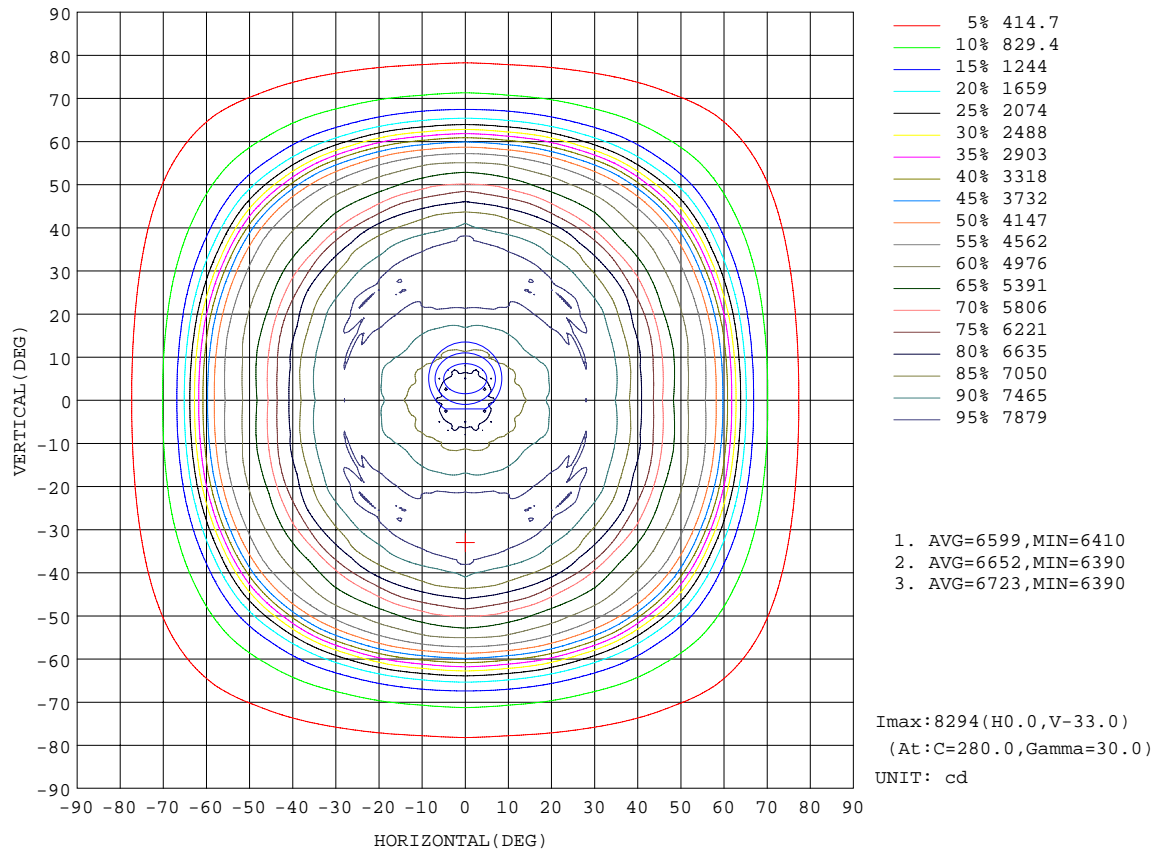
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	59	47	40	58	47	40	57	46	40	34
0.80	70	58	51	69	58	51	67	57	51	44
1.00	79	69	62	78	68	61	76	69	61	54
1.25	86	77	70	85	76	70	82	75	69	62
1.50	91	82	76	90	81	75	87	80	74	67
2.00	98	90	85	96	89	84	93	87	82	75
2.50	101	94	89	99	93	88	96	90	86	79
3.00	104	98	93	102	97	92	98	94	90	82
4.00	108	103	99	106	101	97	101	98	95	86
5.00	110	106	102	107	104	100	103	100	97	88
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHR _{NOM} = 1.25										

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-29

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:220.1V I:0.9672A P:198.2W PF:0.9735 Freq:49.99Hz Lamp Flux:23031.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-3030-120D-PC-ALL	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

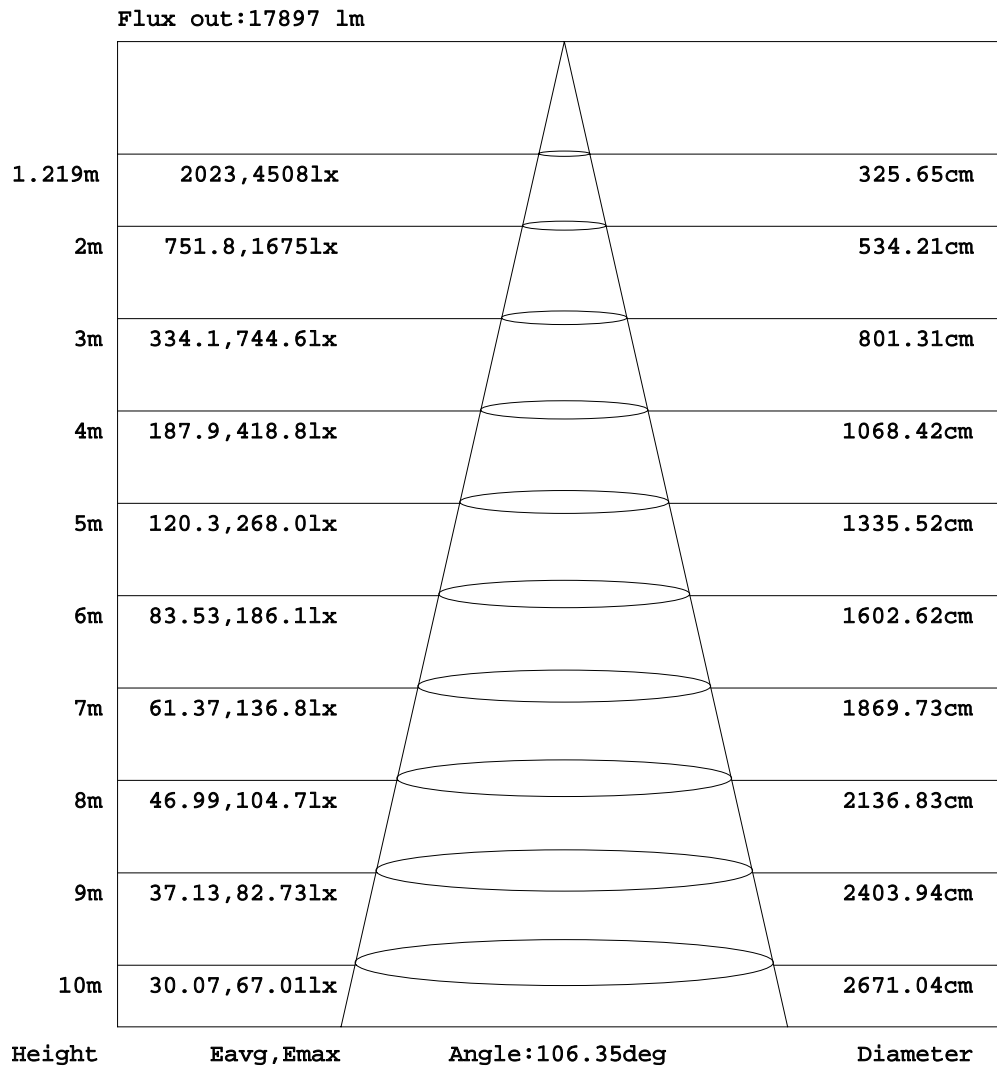


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-29

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:220.1V I:0.9672A P:198.2W PF:0.9735 Freq:49.99Hz Lamp Flux:23031.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-3030-120D-PC-ALL	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:



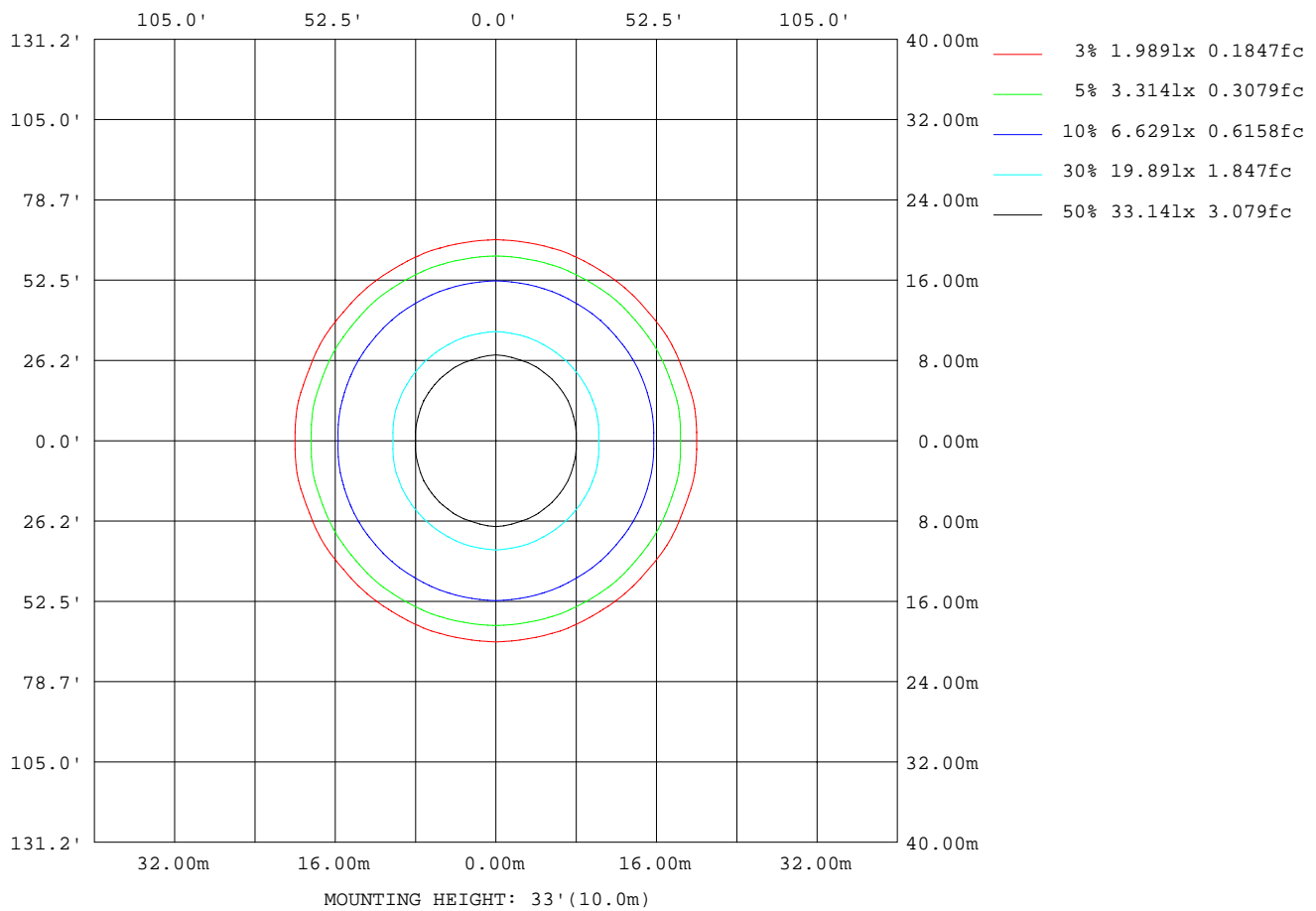
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-12-29

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:220.1V I:0.9672A P:198.2W PF:0.9735 Freq:49.99Hz Lamp Flux:23031.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200Woh-3030-120D-PC-ALL	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:2017-12-29

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:220.1V I:0.9672A P:198.2W PF:0.9735 Freq:49.99Hz Lamp Flux:23031.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-3030-120D-PC-ALL	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

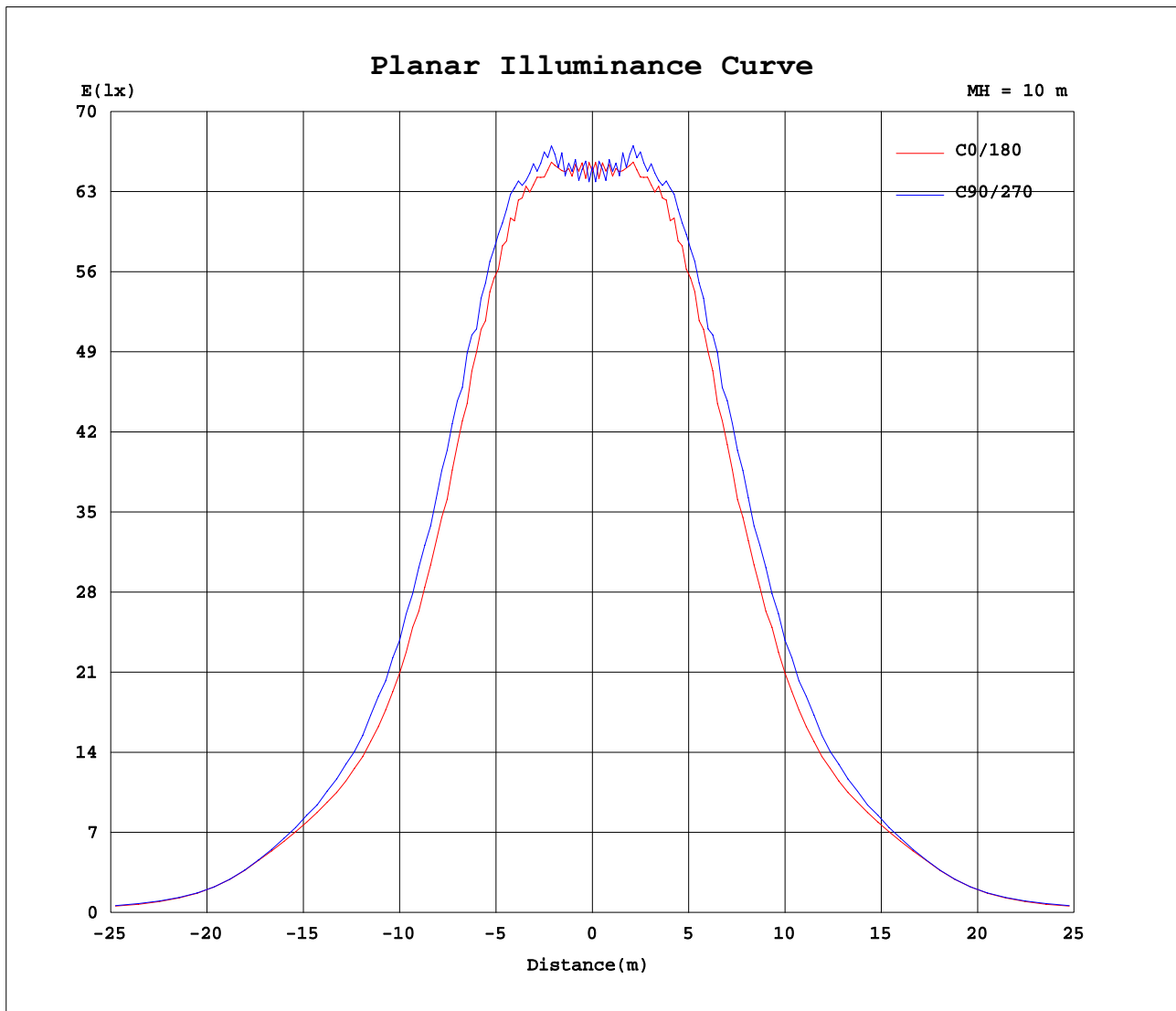
AvgL	cd/m2
L_0~180 (65) av	40010
L_0~180 (75) av	20406
L_0~180 (85) av	19935
L_90~270 (65) av	41016
L_90~270 (75) av	22127
L_90~270 (85) av	21415
L_45 (65) av	38854
L_45 (75) av	20748
L_45 (85) av	20432

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-29

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: 2017-12-29

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:220.1V I:0.9672A P:198.2W PF:0.9735 Freq:49.99Hz Lamp Flux:23031.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-3030-120D-PC-ALL	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

Table--1

UNIT: 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	6446	6446	6446	6446	6446	6446	6446	6446	6446	6446	6446	6446	6446	6446	6446	6446	6446	6446	6446
5	6579	6584	6546	6727	6617	6602	6546	6527	6501	6581	6501	6527	6546	6602	6617	6727	6546	6584	6579
10	6778	6804	6791	6821	6901	6875	6852	6855	6868	6741	6868	6855	6852	6875	6901	6821	6791	6804	6778
15	7093	7126	7233	7199	7247	7313	7228	7258	7372	7184	7372	7258	7228	7313	7247	7199	7233	7126	7093
20	7488	7515	7412	7557	7632	7591	7586	7636	7623	7571	7623	7636	7586	7591	7632	7557	7412	7515	7488
25	7789	7866	7764	7791	7844	7881	7836	7925	8007	8003	8007	7925	7836	7881	7844	7791	7764	7866	7789
30	7808	7770	7784	7871	7892	7913	8068	8068	8257	8172	8257	8068	8068	7913	7892	7871	7784	7770	7808
35	7404	7602	7512	7752	7800	7737	7887	7938	7909	8045	7909	7938	7887	7737	7800	7752	7512	7602	7404
40	6725	6860	6928	7168	7200	7329	7384	7331	7381	7432	7381	7331	7384	7329	7200	7168	6928	6860	6725
45	5888	6161	6284	6345	6419	6558	6606	6656	6694	6652	6694	6656	6606	6558	6419	6345	6284	6161	5888
50	5106	5297	5333	5424	5409	5510	5607	5666	5796	5766	5796	5666	5607	5510	5409	5424	5333	5297	5106
55	4615	4742	4760	4857	4850	4879	4911	4871	4993	4925	4993	4871	4911	4879	4850	4857	4760	4742	4615
60	3633	3727	3661	3743	3688	3722	3652	3672	3625	3648	3625	3672	3652	3722	3688	3743	3661	3727	3633
65	1691	1717	1650	1697	1632	1662	1672	1705	1720	1733	1720	1705	1672	1662	1632	1697	1650	1717	1691
70	836	863	852	875	863	882	888	904	910	929	910	904	888	882	863	875	852	863	836
75	528	531	526	542	535	541	553	558	564	573	564	558	553	541	535	542	526	531	528
80	301	308	303	315	308	314	317	327	329	331	329	327	317	314	308	315	303	308	301
85	174	178	176	183	177	180	182	185	185	187	185	185	182	180	177	183	176	178	174
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:2017-12-29

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:220.1V I:0.9672A P:198.2W PF:0.9735 Freq:49.99Hz Lamp Flux:23031.1x1 lm																	
NAME: AOK-oH									TYPE:LED						WEIGHT:6.0KG		
SPEC.:AOK-200WoH-3030-120D-PC-ALL									DIM.: ϕ 0.4*0.141M						SERIAL No.:1		
MFR.: AOK									SUR.: ϕ 0.29M						Shielding Angle:		

Table--2

UNIT: cd

C (DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	6446	6446	6446	6446	6446	6446	6446	6446	6446	6446	6446	6446	6446	6446	6446	6446	6446		
5	6584	6546	6727	6617	6602	6546	6527	6501	6581	6501	6527	6546	6602	6617	6727	6546	6584		
10	6804	6791	6821	6901	6875	6852	6855	6868	6741	6868	6855	6852	6875	6901	6821	6791	6804		
15	7126	7233	7199	7247	7313	7228	7258	7372	7184	7372	7258	7228	7313	7247	7199	7233	7126		
20	7515	7412	7557	7632	7591	7586	7636	7623	7571	7623	7636	7586	7591	7632	7557	7412	7515		
25	7866	7764	7791	7844	7881	7836	7925	8007	8003	8007	7925	7836	7881	7844	7791	7764	7866		
30	7770	7784	7871	7892	7913	8068	8068	8257	8172	8257	8068	8068	7913	7892	7871	7784	7770		
35	7602	7512	7752	7800	7737	7887	7938	7909	8045	7909	7938	7887	7737	7800	7752	7512	7602		
40	6860	6928	7168	7200	7329	7384	7331	7381	7432	7381	7331	7384	7329	7200	7168	6928	6860		
45	6161	6284	6345	6419	6558	6606	6656	6694	6652	6694	6656	6606	6558	6419	6345	6284	6161		
50	5297	5333	5424	5409	5510	5607	5666	5796	5766	5796	5666	5607	5510	5409	5424	5333	5297		
55	4742	4760	4857	4850	4879	4911	4871	4993	4925	4993	4871	4911	4879	4850	4857	4760	4742		
60	3727	3661	3743	3688	3722	3652	3672	3625	3648	3625	3672	3652	3722	3688	3743	3661	3727		
65	1717	1650	1697	1632	1662	1672	1705	1720	1733	1720	1705	1672	1662	1632	1697	1650	1717		
70	863	852	875	863	882	888	904	910	929	910	904	888	882	863	875	852	863		
75	531	526	542	535	541	553	558	564	573	564	558	553	541	535	542	526	531		
80	308	303	315	308	314	317	327	329	331	329	327	317	314	308	315	303	308		
85	178	176	183	177	180	182	185	185	187	185	185	182	180	177	183	176	178		
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:2017-12-29

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: