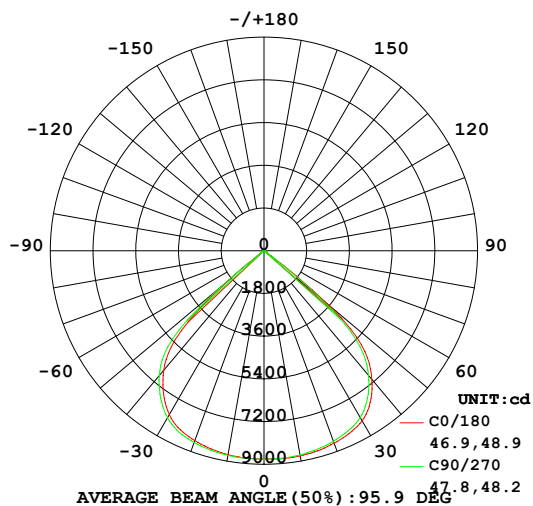


LUMINAIRE PHOTOMETRIC TEST REPORT

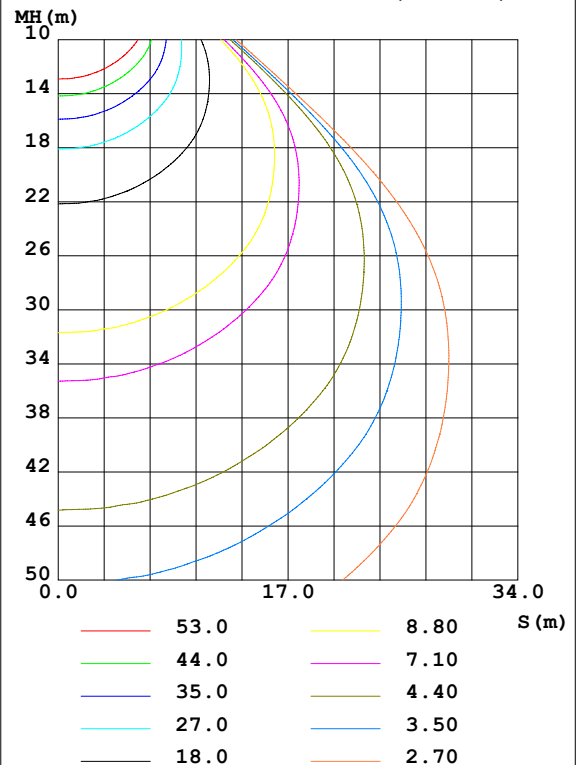
Test:U:220.0V I:0.4897A P:106.2W PF:0.9854 Freq:0Hz Lamp Flux:16733.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 157.61 lm/W			
MODEL	5050	I _{max} (cd)	8807	S/MH (C0/180)	1.33
NOMINAL POWER (W)	100	LOR (%)	100.0	S/MH (C90/270)	1.35
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	16734	η UP, DN (C0-180)	0.0, 50.3
NOMINAL FLUX (lm)	16733.7	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 49.7
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	1.35

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:2017-12-26

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=0.9878]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	8780	8763	8744	8726	8725	8742	8755	8783	0- 10	837.4	837.4	5.5
20	8632	8601	8547	8515	8516	8553	8598	8641	10- 20	2458	3295	19.7,19.7
30	8275	8206	8105	8008	7973	7971	8118	8249	20- 30	3878	7174	42.9,42.9
40	7068	6982	6845	6677	6575	6667	6867	7056	30- 40	4726	11900	71.1,71.1
50	3564	3590	3024	2406	1999	2054	2453	3284	40- 50	4159	16059	96,96
60	127.7	135.5	130.6	126.6	113.0	101.6	100.9	112.2	50- 60	534.0	16593	99.2,99.2
70	68.60	75.73	73.50	65.92	58.63	53.31	53.48	58.32	60- 70	87.59	16681	99.7,99.7
80	25.67	29.77	25.28	18.75	15.90	15.56	16.91	20.21	70- 80	45.20	16726	100,100
90	0	0	0	0	0	0	0	0	80- 90	7.521	16734	100,100
100	0	0	0	0	0	0	0	0	90-100	0	16734	100,100
110	0	0	0	0	0	0	0	0	100-110	0	16734	100,100
120	0	0	0	0	0	0	0	0	110-120	0	16734	100,100
130	0	0	0	0	0	0	0	0	120-130	0	16734	100,100
140	0	0	0	0	0	0	0	0	130-140	0	16734	100,100
150	0	0	0	0	0	0	0	0	140-150	0	16734	100,100
160	0	0	0	0	0	0	0	0	150-160	0	16734	100,100
170	0	0	0	0	0	0	0	0	160-170	0	16734	100,100
180	0	0	0	0	0	0	0	0	170-180	0	16734	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 14245 lm

%lum = 85.1%

%lamp = 85.1%

Conical surface Flux(120deg): 16593 lm

%lum = 99.2%

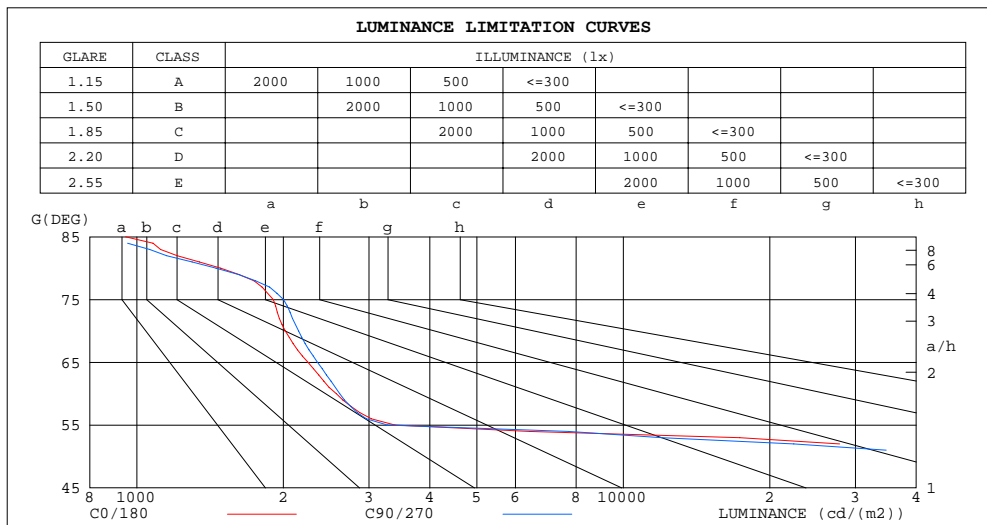
%lamp = 99.2%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-12-26

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=0.9878]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.0V I:0.4897A P:106.2W PF:0.9854 Freq:0Hz Lamp Flux:16733.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH	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	949	719
80	1488	1456
75	1907	2002
70	2019	2149
65	2248	2351
60	2570	2612
55	3391	3273
50	55803	47043
45	85652	81118

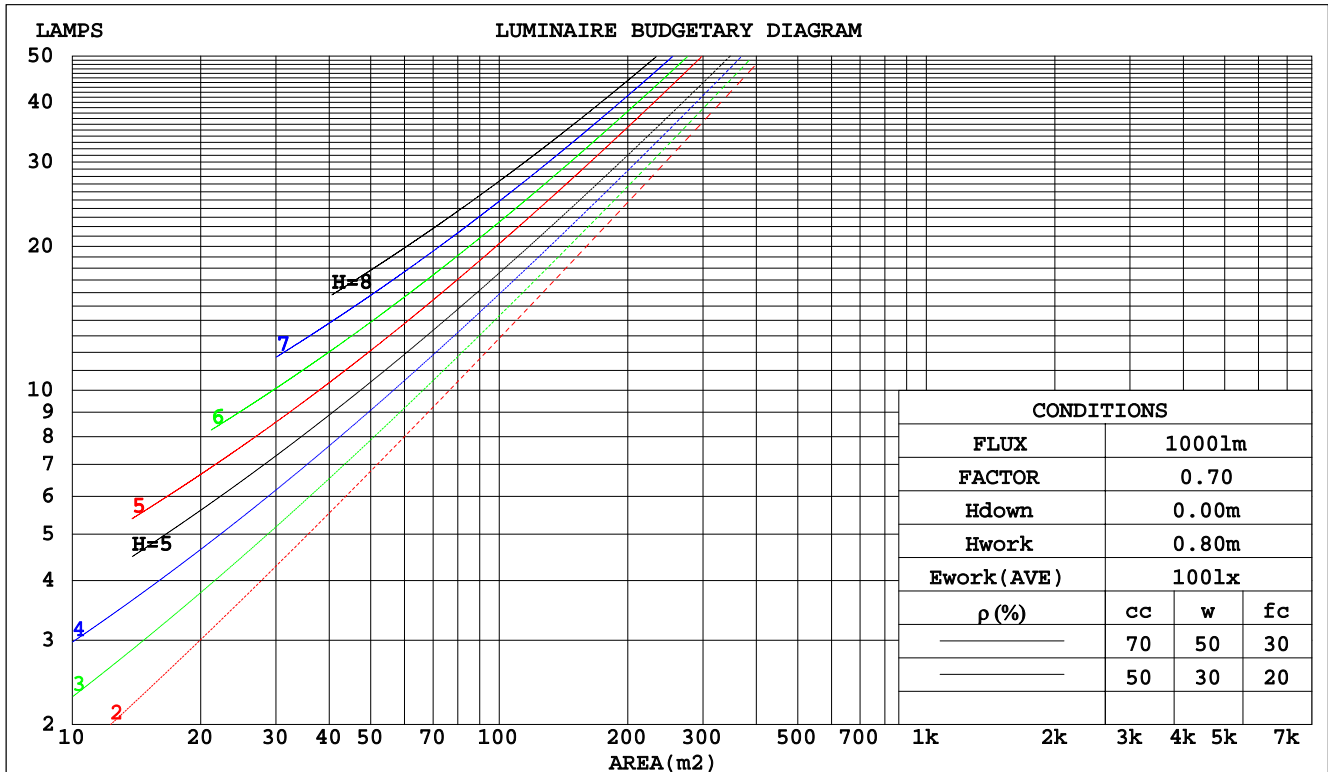
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-26

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=0.9878]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.0V I:0.4897A P:106.2W PF:0.9854 Freq:0Hz Lamp Flux:16733.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH	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	.00
1.0	1.09	1.06	1.04	1.07	1.04	1.02	1.03	1.01	.99	.99	.97	.96	.96	.94	.93	.91
2.0	.99	.95	.91	.98	.93	.90	.94	.91	.88	.91	.88	.86	.88	.86	.84	.82
3.0	.91	.85	.80	.89	.84	.79	.86	.82	.78	.84	.80	.77	.82	.78	.75	.74
4.0	.83	.76	.71	.82	.75	.70	.79	.74	.70	.77	.72	.69	.75	.71	.68	.66
5.0	.76	.69	.63	.75	.68	.63	.73	.67	.62	.71	.66	.62	.69	.65	.61	.59
6.0	.69	.62	.57	.68	.62	.57	.67	.61	.56	.65	.60	.56	.64	.59	.55	.54
7.0	.64	.56	.51	.63	.56	.51	.61	.55	.51	.60	.55	.50	.59	.54	.50	.48
8.0	.59	.51	.46	.58	.51	.46	.57	.51	.46	.56	.50	.46	.55	.49	.46	.44
9.0	.54	.47	.42	.54	.47	.42	.53	.46	.42	.52	.46	.42	.51	.45	.42	.40
10.0	.50	.43	.39	.50	.43	.39	.49	.43	.38	.48	.42	.38	.47	.42	.38	.37



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2017-12-26

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=0.9878]
 Remarks:

WEC AND CCEC

Test:U:220.0V I:0.4897A P:106.2W PF:0.9854 Freq:0Hz Lamp Flux:16733.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH	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	.210	.119	.038	.203	.116	.037	.190	.109	.035	.178	.103	.033	.168	.097	.031		
2.0	.205	.112	.034	.199	.110	.034	.188	.105	.033	.178	.100	.031	.169	.096	.030		
3.0	.198	.105	.032	.193	.103	.031	.183	.099	.030	.174	.096	.029	.166	.092	.028		
4.0	.189	.098	.029	.185	.097	.029	.177	.094	.028	.169	.091	.027	.162	.088	.027		
5.0	.181	.092	.027	.177	.091	.026	.169	.088	.026	.163	.086	.026	.156	.083	.025		
6.0	.172	.086	.025	.169	.085	.025	.162	.083	.024	.156	.081	.024	.151	.079	.024		
7.0	.164	.081	.023	.161	.080	.023	.155	.079	.023	.150	.077	.022	.145	.075	.022		
8.0	.157	.077	.022	.154	.076	.021	.149	.074	.021	.144	.073	.021	.139	.071	.021		
9.0	.150	.072	.020	.147	.072	.020	.142	.070	.020	.138	.069	.020	.134	.068	.020		
10.0	.143	.068	.019	.141	.068	.019	.136	.067	.019	.132	.066	.019	.128	.065	.019		

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	.173	.157	.142	.148	.135	.122	.101	.093	.085	.058	.054	.049	.019	.017	.016	
2.0	.161	.132	.108	.138	.114	.094	.094	.079	.065	.054	.046	.038	.017	.015	.012	
3.0	.151	.114	.085	.129	.098	.073	.089	.068	.051	.051	.040	.030	.016	.013	.010	
4.0	.142	.100	.067	.122	.086	.058	.084	.060	.041	.048	.035	.024	.016	.011	.008	
5.0	.135	.089	.055	.116	.077	.047	.080	.054	.034	.046	.031	.020	.015	.010	.007	
6.0	.128	.080	.045	.110	.069	.039	.076	.048	.028	.044	.028	.017	.014	.009	.005	
7.0	.122	.073	.038	.105	.063	.033	.073	.044	.023	.042	.026	.014	.014	.009	.005	
8.0	.117	.067	.032	.101	.058	.028	.070	.041	.020	.041	.024	.012	.013	.008	.004	
9.0	.112	.062	.028	.097	.054	.024	.067	.038	.017	.039	.022	.010	.013	.007	.003	
10.0	.107	.058	.025	.093	.050	.022	.064	.035	.015	.037	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-26

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=0.9878]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.0V I:0.4897A P:106.2W PF:0.9854 Freq:0Hz Lamp Flux:16733.7x1 lm										
NAME: AOK-oH					TYPE:LED			WEIGHT:2.9KG		
SPEC.:AOK-100WoH					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	15.1	16.3	15.4	16.5	16.7	14.8	16.0	15.1	16.2	16.4
3H	14.9	16.0	15.2	16.2	16.4	14.6	15.7	14.9	15.9	16.2
4H	14.8	15.9	15.1	16.1	16.3	14.5	15.6	14.8	15.8	16.0
6H	14.7	15.7	15.1	15.9	16.2	14.5	15.4	14.8	15.7	15.9
8H	14.7	15.6	15.0	15.9	16.1	14.4	15.3	14.7	15.6	15.9
12H	14.7	15.5	15.0	15.8	16.1	14.4	15.2	14.7	15.5	15.8
4H 2H	14.8	15.9	15.1	16.1	16.3	14.5	15.6	14.8	15.8	16.0
3H	14.7	15.5	15.0	15.8	16.1	14.4	15.2	14.7	15.5	15.8
4H	14.6	15.4	14.9	15.7	16.0	14.3	15.1	14.6	15.4	15.7
6H	14.5	15.2	14.9	15.5	15.9	14.2	14.9	14.6	15.2	15.6
8H	14.4	15.1	14.8	15.4	15.8	14.2	14.8	14.6	15.1	15.5
12H	14.4	15.0	14.8	15.3	15.7	14.1	14.7	14.5	15.1	15.5
8H 4H	14.4	15.1	14.8	15.4	15.8	14.2	14.8	14.6	15.1	15.5
6H	14.4	14.9	14.8	15.3	15.7	14.1	14.6	14.5	15.0	15.4
8H	14.3	14.8	14.8	15.2	15.6	14.0	14.5	14.5	14.9	15.3
12H	14.3	14.6	14.7	15.1	15.6	14.0	14.4	14.5	14.8	15.3
12H 4H	14.4	15.0	14.8	15.3	15.7	14.1	14.7	14.5	15.1	15.5
6H	14.3	14.8	14.8	15.2	15.6	14.0	14.5	14.5	14.9	15.3
8H	14.3	14.6	14.7	15.1	15.6	14.0	14.4	14.5	14.8	15.3
Variations with the observer position at spacings:										
S = 1.0H	+ 2.9 / -13.6					+ 2.9 / -13.5				
1.5H	+ 2.2 / -15.4					+ 2.1 / -15.2				
2.0H	+ 6.2 / -14.1					+ 6.3 / -13.5				

CIE Pub.117, 16734 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 9.8$)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-26

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=0.9878]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.0V I:0.4897A P:106.2W PF:0.9854 Freq:0Hz Lamp Flux:16733.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:

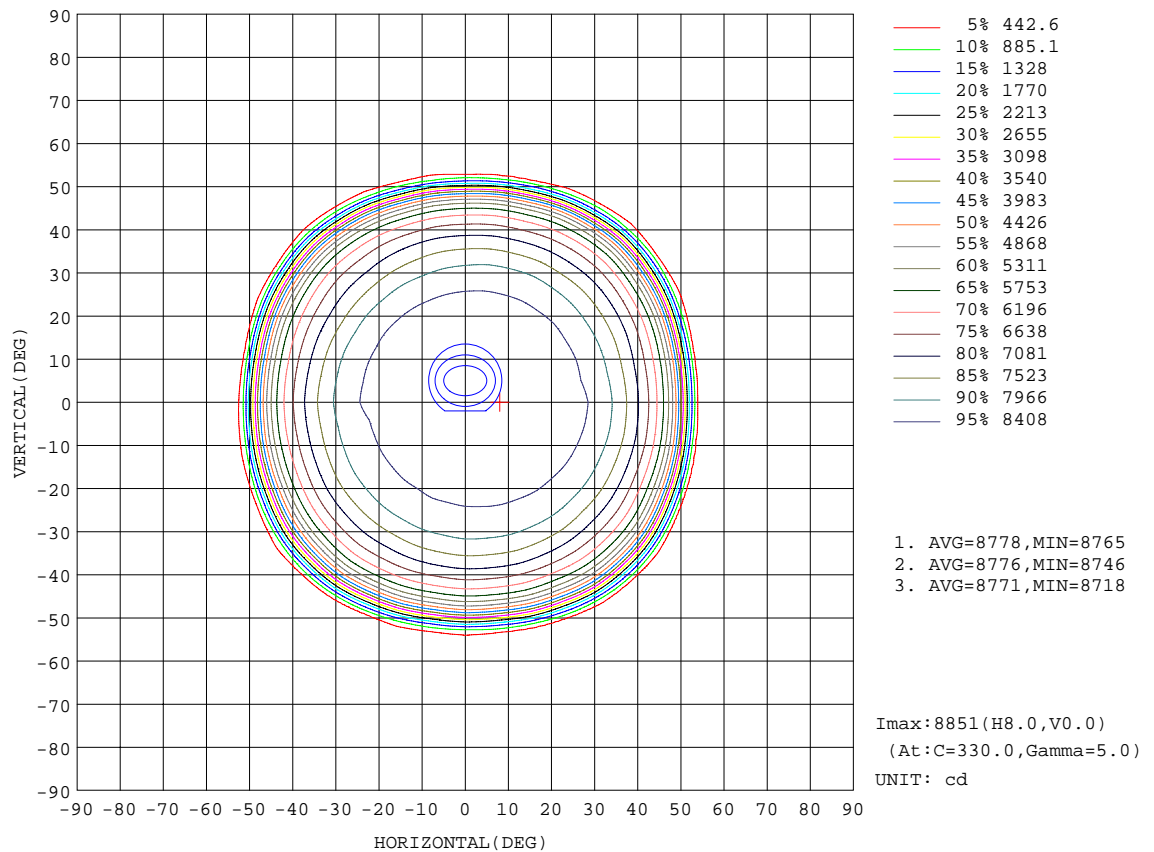
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	73	64	59	73	64	59	72	64	59	54
0.80	83	75	69	82	74	69	81	74	69	64
1.00	91	83	78	90	82	78	88	83	77	72
1.25	96	89	85	95	89	84	93	88	84	78
1.50	100	94	89	99	93	89	96	91	88	82
2.00	105	99	95	103	98	94	100	96	93	87
2.50	107	102	98	105	101	97	102	98	95	89
3.00	109	105	101	107	103	100	104	100	98	91
4.00	111	108	105	109	106	103	105	103	101	93
5.00	113	110	107	111	108	105	106	104	102	94
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:2017-12-26

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=0.9878]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.0V I:0.4897A P:106.2W PF:0.9854 Freq:0Hz Lamp Flux:16733.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:



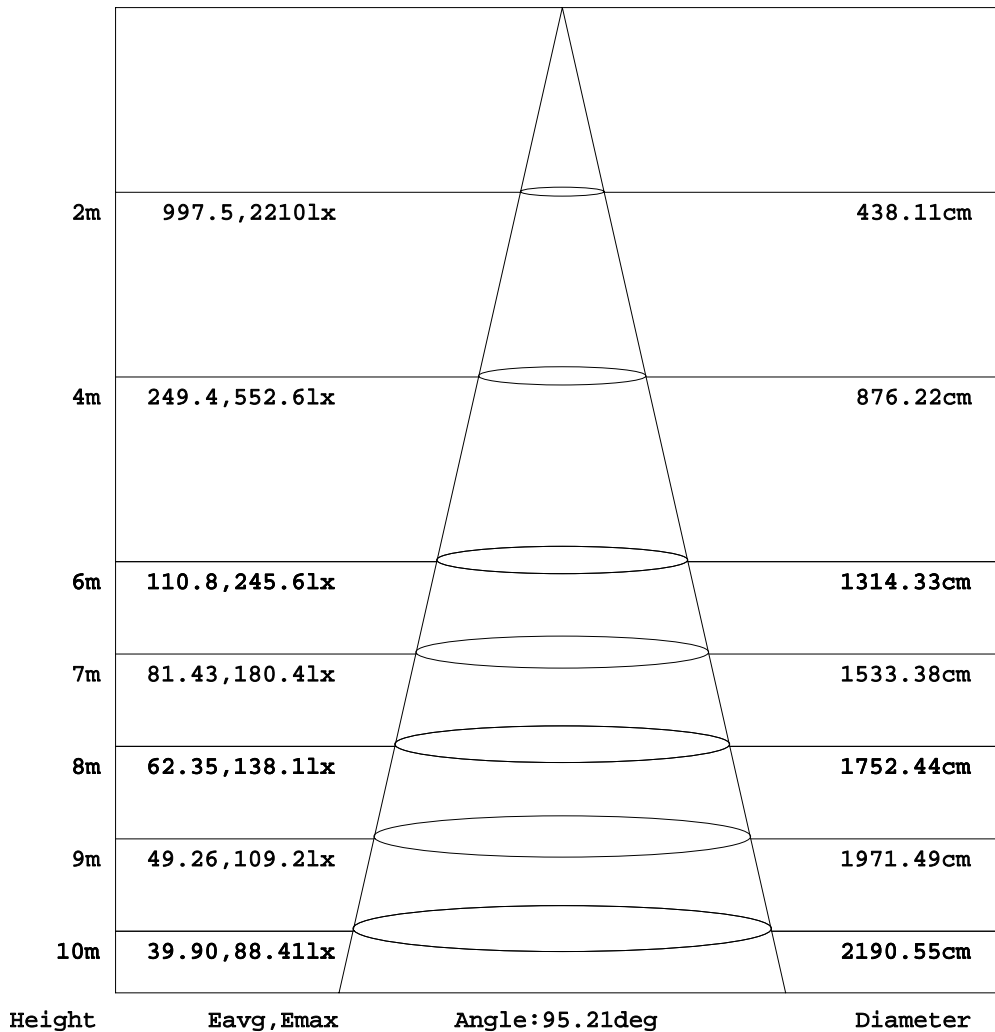
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-26

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=0.9878]
Remarks:

AAI Figure

Test:U:220.0V I:0.4897A P:106.2W PF:0.9854 Freq:0Hz Lamp Flux:16733.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH	DIM.: $\phi 0.248 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16\text{M}$	Shielding Angle:

Flux out:15462 lm



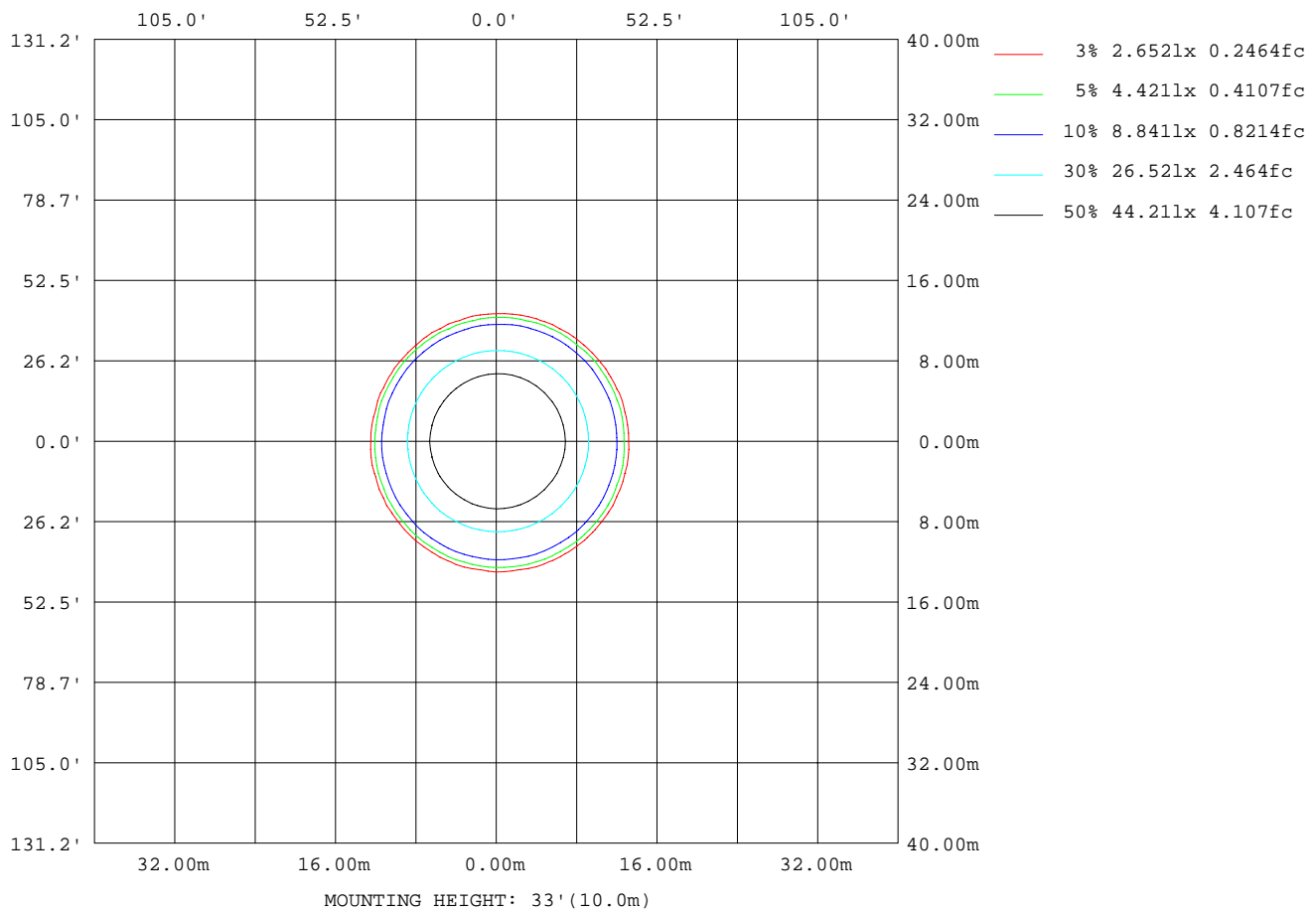
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2017-12-26

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=0.9878]
 Remarks:

ISOLUX DIAGRAM

Test:U:220.0V I:0.4897A P:106.2W PF:0.9854 Freq:0Hz Lamp Flux:16733.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH	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:2017-12-26

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=0.9878]
Remarks:

LED Avg.L Report

Test:U:220.0V I:0.4897A P:106.2W PF:0.9854 Freq:0Hz Lamp Flux:16733.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

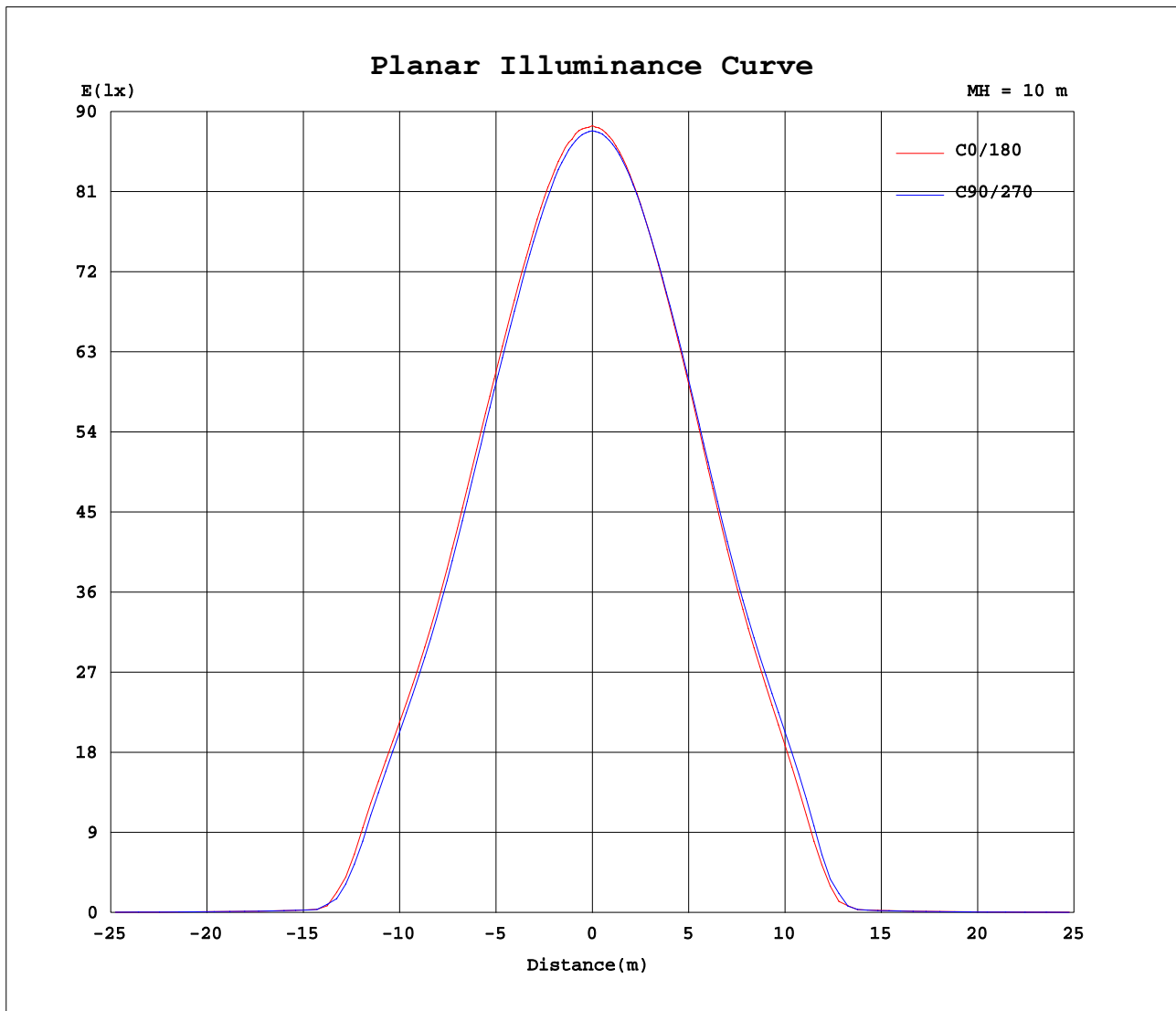
AvgL	cd/m2
L_0~180 (65) av	2095
L_0~180 (75) av	1692
L_0~180 (85) av	536
L_90~270 (65) av	2039
L_90~270 (75) av	1712
L_90~270 (85) av	523
L_45 (65) av	2079
L_45 (75) av	1689
L_45 (85) av	577

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-26

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=0.9878]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-12-26

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=0.9878]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.4897A P:106.2W PF:0.9854 Freq:0Hz Lamp Flux:16733.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	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	8785	8785	8785	8785	8785	8785	8785	8785	8785	8785	8785	8785	8785	8785	8785	8785	8785	8785	8785
5	8793	8794	8802	8784	8790	8788	8779	8784	8782	8771	8776	8767	8770	8766	8768	8771	8773	8770	8764
10	8780	8777	8787	8764	8767	8759	8763	8754	8748	8744	8740	8733	8735	8724	8728	8727	8716	8725	8725
15	8727	8731	8735	8709	8707	8702	8694	8689	8677	8659	8657	8657	8651	8641	8641	8644	8637	8643	8642
20	8632	8636	8634	8614	8607	8594	8586	8581	8566	8547	8538	8536	8527	8516	8514	8514	8513	8518	8516
25	8495	8496	8488	8468	8457	8441	8423	8413	8400	8375	8361	8355	8342	8334	8325	8329	8319	8332	8330
30	8275	8275	8253	8239	8214	8199	8169	8166	8135	8105	8073	8060	8030	8016	7999	8000	7976	7983	7973
35	7803	7819	7793	7755	7714	7711	7684	7669	7630	7604	7559	7529	7472	7452	7433	7436	7394	7394	7374
40	7068	7086	7055	7030	6989	6975	6942	6929	6878	6845	6797	6770	6715	6703	6650	6637	6582	6590	6575
45	6018	6053	6009	6038	5992	5964	5862	5855	5765	5736	5644	5625	5550	5537	5410	5359	5283	5314	5283
50	3564	3705	3621	3729	3580	3601	3351	3332	3107	3024	2828	2777	2564	2524	2288	2273	2058	2112	1999
55	193	314	205	335	207	323	205	288	191	188	181	181	177	175	171	168	160	154	153
60	128	132	133	135	136	135	134	133	131	131	130	130	129	128	125	123	117	114	113
65	94.4	98.1	99.7	102	103	103	102	101	99.6	99.4	98.3	97.8	96.5	95.0	92.2	90.1	86.3	83.9	82.7
70	68.6	71.0	73.1	74.9	75.4	76.1	75.1	74.9	73.8	73.5	72.2	71.1	69.1	67.2	64.6	62.9	60.6	59.4	58.6
75	49.0	50.7	52.2	53.8	54.6	55.2	54.4	54.0	52.5	51.8	49.8	48.4	46.1	44.2	42.1	40.8	39.2	38.9	38.5
80	25.7	27.5	28.1	29.8	29.5	30.0	28.7	28.2	26.2	25.3	23.3	22.4	20.5	19.5	18.0	17.4	16.4	16.2	15.9
85	8.21	9.17	9.33	9.90	9.45	9.46	8.32	7.91	6.65	6.27	5.24	5.03	4.01	3.74	2.76	2.46	1.63	1.63	1.13
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:2017-12-26

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=0.9878]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.4897A P:106.2W PF:0.9854 Freq:0Hz Lamp Flux:16733.7x1 lm																	
NAME: AOK-oH									TYPE:LED						WEIGHT:2.9KG		
SPEC.:AOK-100WoH									DIM.: ϕ 0.248*0.138M						SERIAL No.:1		
MFR.: AOK									SUR.: ϕ 0.16M						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	8785	8785	8785	8785	8785	8785	8785	8785	8785	8785	8785	8785	8785	8785	8785	8785	8785		
5	8771	8777	8771	8778	8777	8784	8786	8787	8777	8791	8796	8794	8789	8797	8807	8784	8796		
10	8728	8745	8731	8740	8743	8747	8757	8763	8755	8770	8773	8779	8780	8787	8792	8778	8784		
15	8645	8663	8659	8669	8677	8684	8689	8703	8697	8715	8721	8727	8728	8738	8741	8735	8736		
20	8523	8538	8536	8553	8553	8571	8582	8596	8598	8618	8625	8634	8637	8645	8649	8645	8649		
25	8335	8359	8349	8371	8376	8396	8408	8433	8443	8467	8477	8486	8490	8504	8512	8512	8512		
30	7958	7972	7939	7969	7973	8018	8044	8093	8118	8182	8201	8229	8234	8265	8270	8287	8293		
35	7346	7347	7316	7356	7374	7436	7495	7561	7590	7654	7682	7726	7735	7785	7798	7817	7825		
40	6558	6587	6598	6663	6670	6745	6791	6851	6867	6919	6951	7003	7030	7082	7105	7113	7089		
45	5265	5355	5384	5484	5512	5568	5583	5691	5736	5839	5861	5969	6013	6079	6050	6099	6064		
50	1899	1995	1921	2074	2034	2198	2179	2431	2453	2723	2821	3057	3164	3403	3403	3581	3592		
55	148	145	141	140	140	140	140	141	142	147	152	157	160	166	171	177	181		
60	108	107	104	102	101	101	99.9	101	101	103	104	108	111	113	115	119	121		
65	79.4	78.1	75.7	74.4	72.8	72.9	71.9	72.8	72.9	75.0	75.7	77.8	79.8	83.3	84.7	87.4	89.8		
70	56.2	55.4	53.8	53.7	52.9	52.9	52.4	53.1	53.5	54.5	55.1	56.4	57.3	59.3	60.8	63.1	65.0		
75	36.6	36.2	35.7	36.4	36.0	36.3	35.8	36.6	36.8	37.8	37.9	39.1	39.8	41.3	42.0	43.9	46.0		
80	15.6	15.7	15.3	15.6	15.6	16.0	16.1	16.7	16.9	17.7	18.0	19.2	19.6	20.8	21.3	22.6	23.7		
85	0.90	1.22	1.11	1.44	1.42	1.81	1.85	2.52	2.84	3.67	4.17	5.20	5.55	6.33	6.49	7.19	7.44		
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:2017-12-26

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=0.9878]
Remarks: