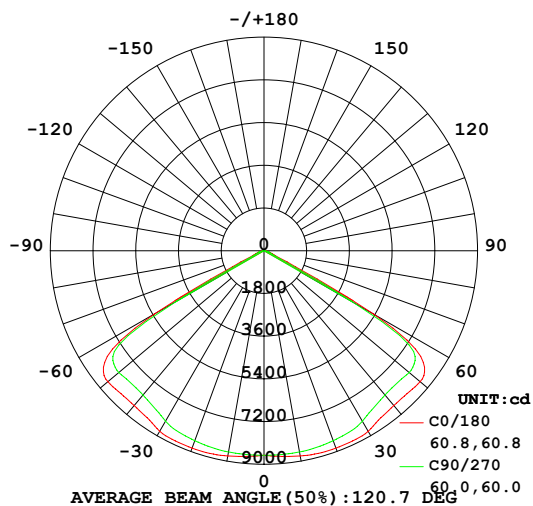


LUMINAIRE PHOTOMETRIC TEST REPORT

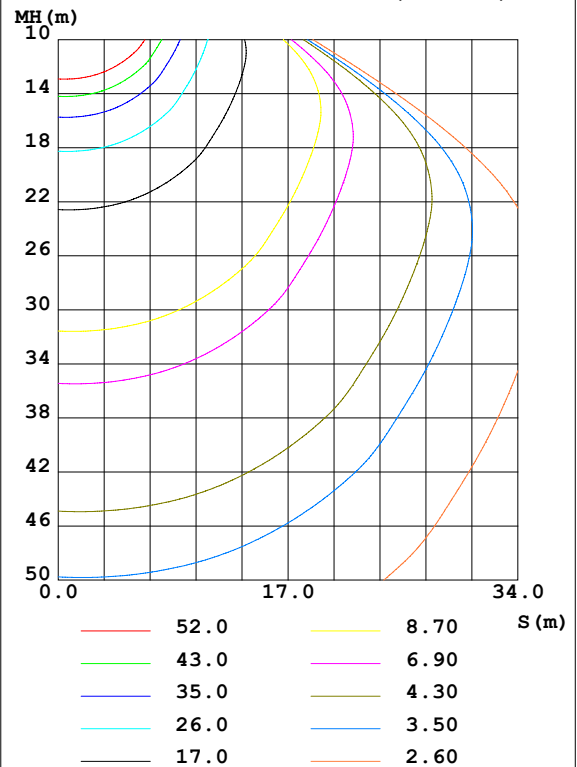
Test:U:219.9V I:0.9676A P:201.2W PF:0.9727 Freq:49.99Hz Lamp Flux:27025.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-200WoH	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 134.32 lm/W			
MODEL	3030	I _{max} (cd)	8851	S/MH (C0/180)	1.52
NOMINAL POWER (W)	200	LOR (%)	100.0	S/MH (C90/270)	1.44
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	27026	η UP, DN (C0-180)	0.0, 50.0
NOMINAL FLUX (lm)	27025.8	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: 2017-12-28

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=0.9891]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	8779	8731	8612	8731	8779	8731	8612	8731	0- 10	829.2	829.2	3.07,3.07
20	8851	8747	8518	8747	8851	8747	8518	8747	10- 20	2476	3305	12.2,12.2
30	8785	8614	8295	8614	8785	8614	8295	8614	20- 30	4017	7322	27.1,27.1
40	8515	8348	7937	8348	8515	8348	7937	8348	30- 40	5281	12603	46.6,46.6
50	8588	8269	7982	8269	8588	8269	7982	8269	40- 50	6426	19029	70.4,70.4
60	5329	4505	4245	4505	5329	4505	4245	4505	50- 60	6633	25663	95,95
70	344.6	317.0	290.0	317.0	344.6	317.0	290.0	317.0	60- 70	1100	26763	99,99
80	130.7	113.5	100.1	113.5	130.7	113.5	100.1	113.5	70- 80	224.4	26987	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	38.42	27026	100,100
100	0	0	0	0	0	0	0	0	90-100	0	27026	100,100
110	0	0	0	0	0	0	0	0	100-110	0	27026	100,100
120	0	0	0	0	0	0	0	0	110-120	0	27026	100,100
130	0	0	0	0	0	0	0	0	120-130	0	27026	100,100
140	0	0	0	0	0	0	0	0	130-140	0	27026	100,100
150	0	0	0	0	0	0	0	0	140-150	0	27026	100,100
160	0	0	0	0	0	0	0	0	150-160	0	27026	100,100
170	0	0	0	0	0	0	0	0	160-170	0	27026	100,100
180	0	0	0	0	0	0	0	0	170-180	0	27026	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 15675 lm

%lum = 58.0%

%lamp = 58.0%

Conical surface Flux(120deg): 25663 lm

%lum = 95.0%

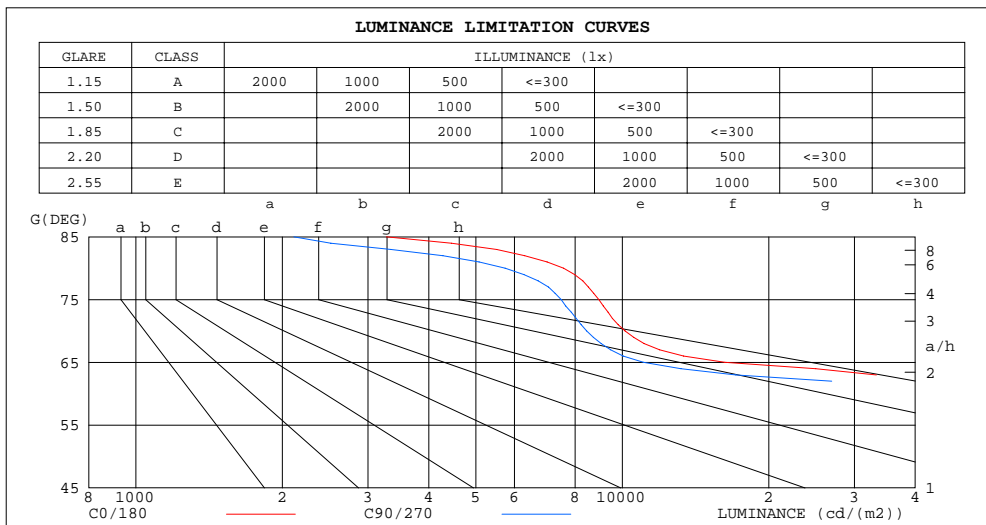
%lamp = 95.0%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-12-28

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=0.9891]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:219.9V I:0.9676A P:201.2W PF:0.9727 Freq:49.99Hz Lamp Flux:27025.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-200WoH	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:



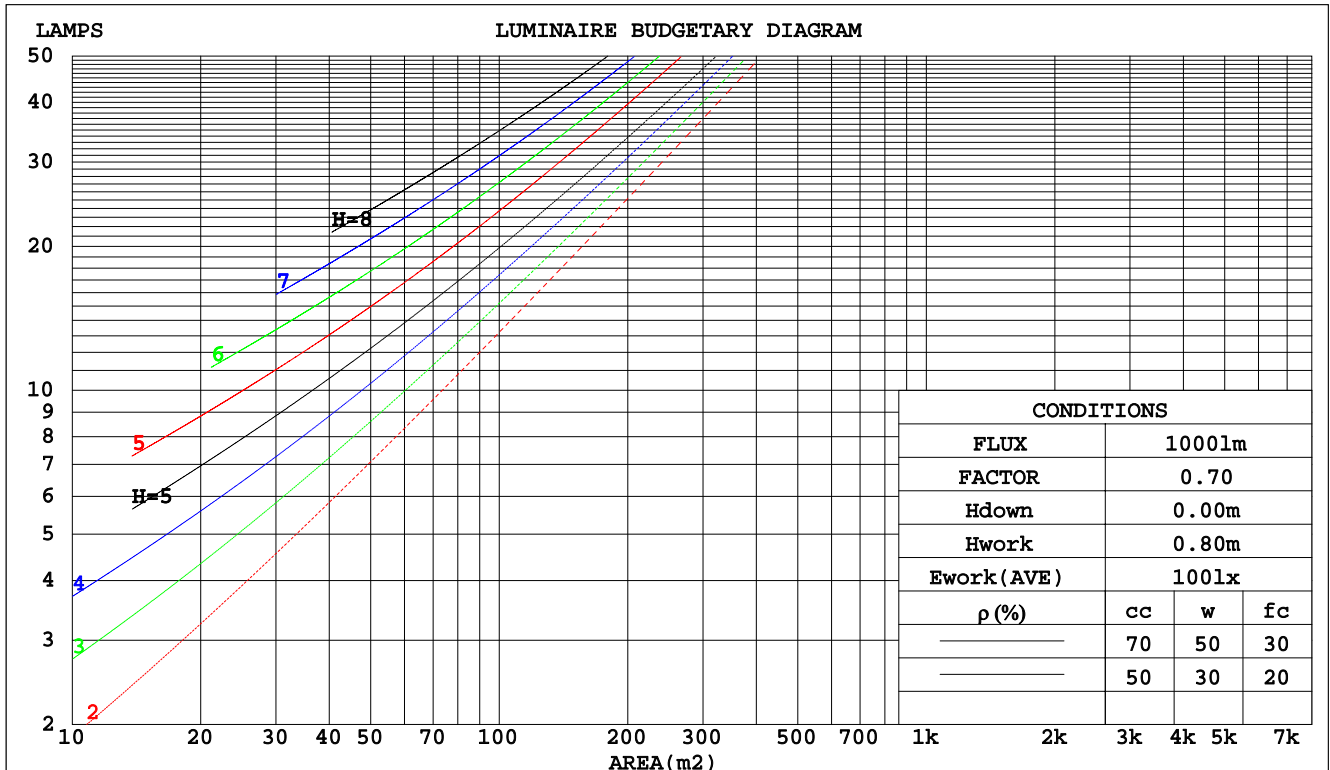
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-28

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=0.9891]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.9V I:0.9676A P:201.2W PF:0.9727 Freq:49.99Hz Lamp Flux:27025.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-200WoH	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	1.07	1.03	1.00	1.05	1.01	.99	1.00	.98	.95	.97	.95	.93	.93	.91	.90	.88
2.0	.95	.89	.84	.93	.87	.83	.89	.85	.81	.86	.82	.79	.83	.80	.77	.75
3.0	.84	.76	.71	.82	.75	.70	.79	.74	.69	.77	.72	.68	.74	.70	.66	.64
4.0	.74	.66	.60	.73	.65	.60	.71	.64	.59	.68	.63	.58	.66	.61	.57	.55
5.0	.66	.58	.52	.65	.57	.51	.63	.56	.51	.61	.55	.50	.59	.54	.50	.48
6.0	.59	.51	.45	.58	.50	.44	.57	.49	.44	.55	.49	.44	.54	.48	.43	.41
7.0	.54	.45	.39	.53	.45	.39	.51	.44	.39	.50	.43	.38	.48	.43	.38	.36
8.0	.49	.40	.35	.48	.40	.34	.47	.39	.34	.45	.39	.34	.44	.38	.34	.32
9.0	.44	.36	.31	.44	.36	.31	.43	.35	.31	.42	.35	.30	.41	.35	.30	.28
10.0	.41	.33	.28	.40	.33	.28	.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:2017-12-28

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=0.9891]
 Remarks:

WEC AND CCEC

Test:U:219.9V I:0.9676A P:201.2W PF:0.9727 Freq:49.99Hz Lamp Flux:27025.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-200WoH	DIM.: ϕ 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.29M	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.253	.144	.046	.246	.140	.045	.233	.134	.043	.221	.128	.041	.210	.122	.039	
2.0	.251	.138	.042	.245	.135	.042	.234	.130	.040	.223	.125	.039	.214	.121	.038	
3.0	.242	.129	.038	.236	.126	.038	.226	.123	.037	.217	.119	.036	.208	.115	.036	
4.0	.229	.119	.035	.225	.118	.035	.216	.114	.034	.208	.111	.034	.200	.109	.033	
5.0	.217	.110	.032	.212	.109	.032	.205	.106	.031	.197	.104	.031	.190	.102	.031	
6.0	.204	.102	.029	.200	.101	.029	.193	.099	.029	.187	.097	.029	.180	.095	.028	
7.0	.192	.095	.027	.189	.094	.027	.183	.092	.027	.177	.091	.026	.171	.089	.026	
8.0	.181	.088	.025	.178	.088	.025	.172	.086	.025	.167	.085	.024	.162	.083	.024	
9.0	.171	.083	.023	.168	.082	.023	.163	.081	.023	.158	.079	.023	.154	.078	.023	
10.0	.161	.077	.021	.159	.077	.021	.154	.076	.021	.150	.074	.021	.146	.073	.021	

pcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	.176	.157	.139	.151	.134	.120	.103	.092	.083	.059	.054	.048	.019	.017	.016	
2.0	.167	.132	.103	.143	.114	.089	.098	.079	.062	.056	.046	.036	.018	.015	.012	
3.0	.159	.114	.078	.136	.098	.068	.094	.068	.048	.054	.040	.028	.017	.013	.009	
4.0	.152	.101	.061	.130	.087	.053	.090	.061	.037	.052	.035	.022	.017	.012	.007	
5.0	.145	.090	.049	.125	.078	.043	.086	.054	.030	.050	.032	.018	.016	.010	.006	
6.0	.139	.082	.041	.119	.071	.035	.082	.050	.025	.048	.029	.015	.015	.010	.005	
7.0	.133	.075	.034	.114	.065	.030	.079	.045	.021	.046	.027	.013	.015	.009	.004	
8.0	.127	.069	.029	.109	.060	.026	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.121	.064	.026	.105	.056	.022	.072	.039	.016	.042	.023	.009	.014	.008	.003	
10.0	.116	.060	.023	.100	.052	.020	.069	.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:2017-12-28

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=0.9891]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:219.9V I:0.9676A P:201.2W PF:0.9727 Freq:49.99Hz Lamp Flux:27025.8x1 lm										
NAME: AOK oH					TYPE:LED			WEIGHT:6KG		
SPEC.:AOK-200WoH					DIM.: $\phi 0.4 \times 0.141M$			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	18.7	20.2	19.0	20.4	20.6	18.2	19.7	18.5	19.9	20.1
3H	18.6	19.9	18.8	20.1	20.3	18.1	19.4	18.3	19.6	19.8
4H	18.5	19.7	18.8	19.9	20.2	18.0	19.2	18.3	19.4	19.7
6H	18.4	19.5	18.7	19.8	20.1	17.9	19.0	18.2	19.3	19.6
8H	18.3	19.4	18.7	19.7	20.0	17.8	18.9	18.2	19.2	19.5
12H	18.3	19.3	18.6	19.6	19.9	17.8	18.8	18.1	19.1	19.4
4H 2H	18.7	20.0	19.0	20.2	20.5	18.3	19.6	18.6	19.8	20.0
3H	18.6	19.6	18.9	19.9	20.2	18.1	19.2	18.5	19.5	19.8
4H	18.5	19.5	18.9	19.8	20.1	18.1	19.0	18.4	19.3	19.7
6H	18.4	19.3	18.8	19.6	20.0	18.0	18.8	18.4	19.2	19.5
8H	18.4	19.2	18.8	19.5	19.9	17.9	18.7	18.3	19.1	19.5
12H	18.3	19.0	18.8	19.4	19.8	17.9	18.6	18.3	19.0	19.4
8H 4H	18.4	19.1	18.8	19.5	19.9	17.9	18.7	18.3	19.1	19.4
6H	18.3	18.9	18.7	19.3	19.8	17.9	18.5	18.3	18.9	19.3
8H	18.3	18.8	18.7	19.2	19.7	17.8	18.4	18.3	18.8	19.3
12H	18.2	18.7	18.7	19.2	19.6	17.8	18.3	18.3	18.7	19.2
12H 4H	18.3	19.0	18.8	19.4	19.8	17.9	18.6	18.3	19.0	19.4
6H	18.3	18.8	18.7	19.2	19.7	17.8	18.4	18.3	18.8	19.2
8H	18.2	18.7	18.7	19.2	19.6	17.8	18.3	18.3	18.7	19.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.9 / - 0.8					+ 1.4 / - 1.4				
1.5H	+ 1.9 / - 2.8					+ 2.0 / - 2.6				
2.0H	+ 1.8 / -10.3					+ 2.0 / -11.4				

CIE Pub.117, 27026 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 11.5$)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-28

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=0.9891]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:219.9V I:0.9676A P:201.2W PF:0.9727 Freq:49.99Hz Lamp Flux:27025.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-200WoH	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

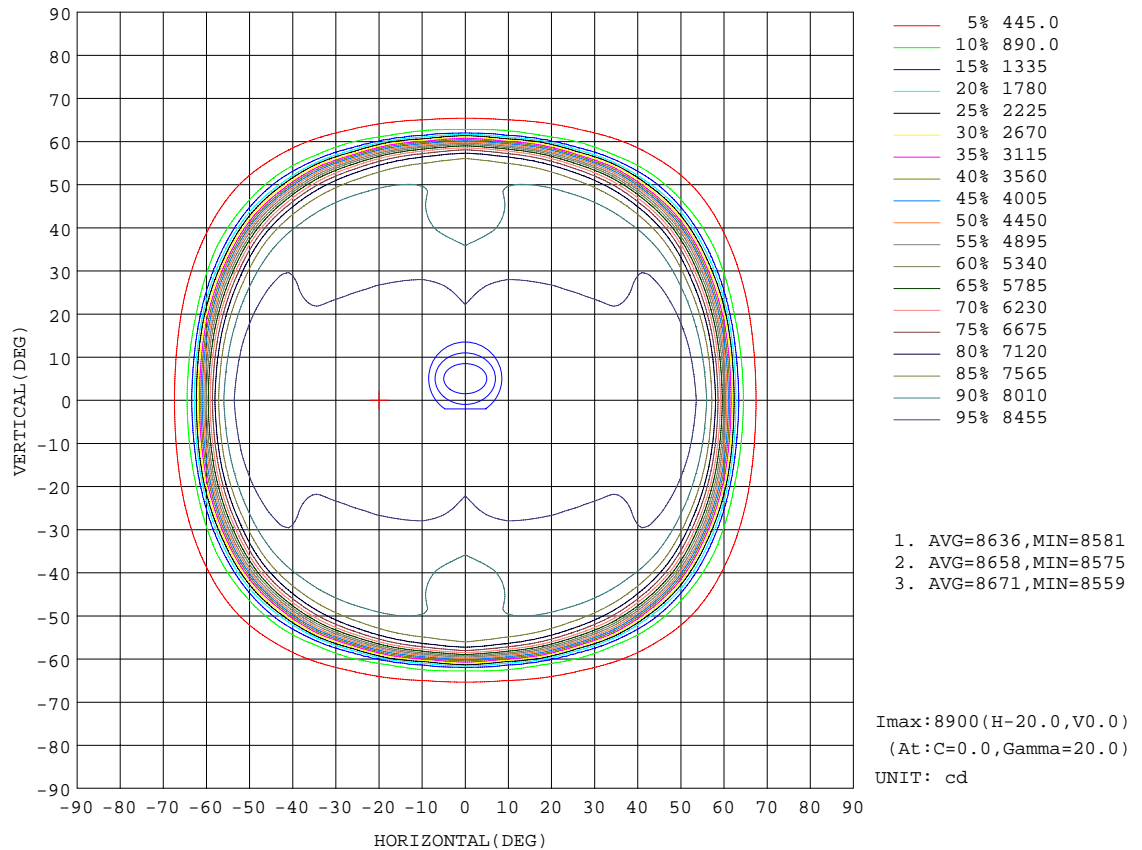
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	56	44	37	55	44	37	54	43	37	30
0.80	68	57	50	67	56	49	66	56	49	42
1.00	79	69	62	78	68	62	76	69	61	54
1.25	87	78	71	86	77	71	83	75	70	63
1.50	92	83	77	91	83	77	88	81	76	69
2.00	99	92	86	97	91	85	94	88	84	77
2.50	102	96	90	100	94	89	97	92	88	80
3.00	105	99	95	103	98	94	99	95	91	84
4.00	108	103	99	106	102	98	102	98	95	87
5.00	110	106	102	108	104	100	103	100	97	89
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:2017-12-28

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=0.9891]
Remarks:

ISOCANDELA DIAGRAM

Test:U:219.9V I:0.9676A P:201.2W PF:0.9727 Freq:49.99Hz Lamp Flux:27025.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-200WoH	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

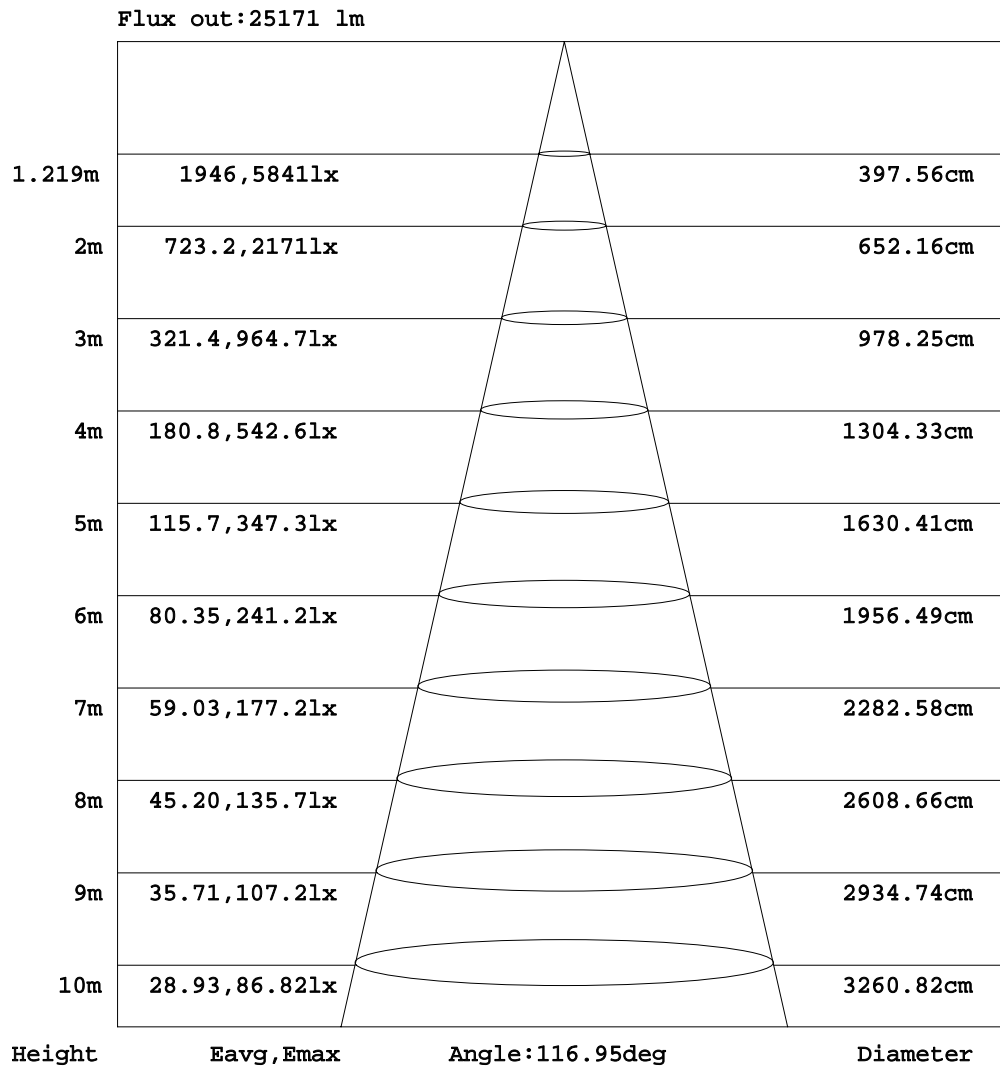


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-12-28

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=0.9891]
Remarks:

AAI Figure

Test:U:219.9V I:0.9676A P:201.2W PF:0.9727 Freq:49.99Hz Lamp Flux:27025.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-200WoH	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:



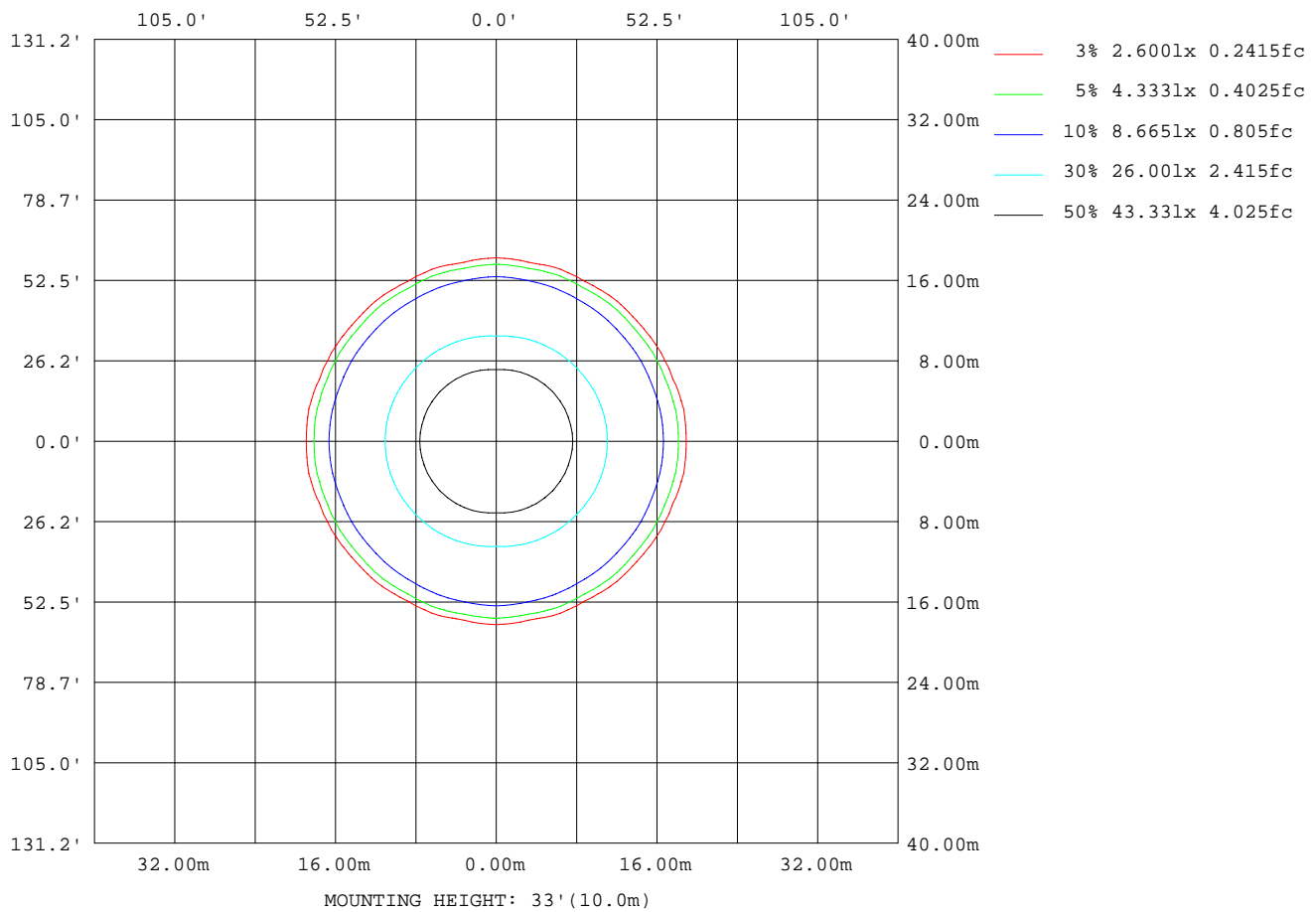
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-28

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=0.9891]
Remarks:

ISOLUX DIAGRAM

Test:U:219.9V I:0.9676A P:201.2W PF:0.9727 Freq:49.99Hz Lamp Flux:27025.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-200WoH	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: 2017-12-28

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=0.9891]
Remarks:

LED Avg.L Report

Test:U:219.9V I:0.9676A P:201.2W PF:0.9727 Freq:49.99Hz Lamp Flux:27025.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-200WoH	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

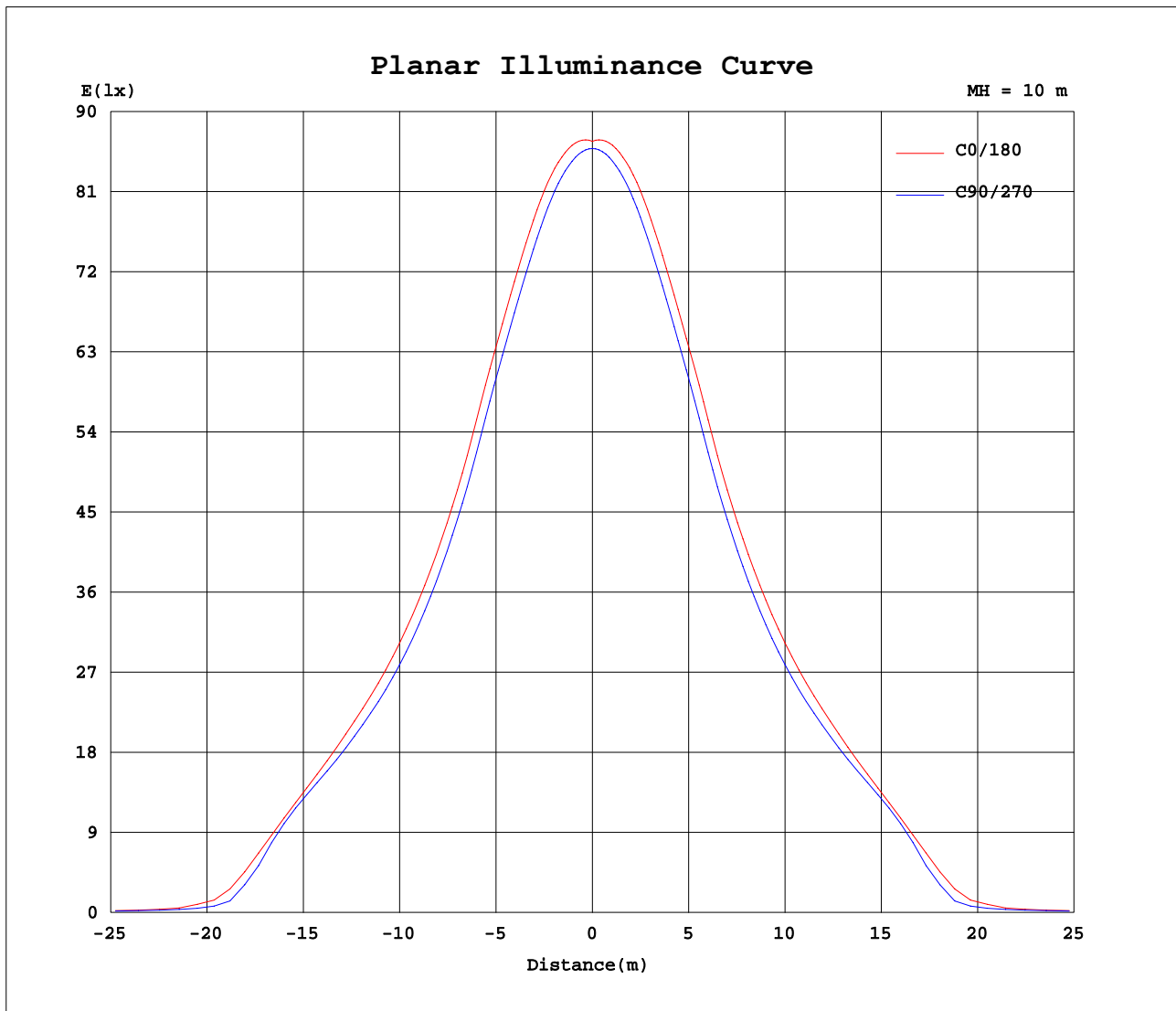
AvgL	cd/m2
L_0~180 (65) av	16152
L_0~180 (75) av	8900
L_0~180 (85) av	3255
L_90~270 (65) av	11094
L_90~270 (75) av	7515
L_90~270 (85) av	2121
L_45 (65) av	13124
L_45 (75) av	8175
L_45 (85) av	2287

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-28

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=0.9891]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-12-28

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=0.9891]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.9V I:0.9676A P:201.2W PF:0.9727 Freq:49.99Hz Lamp Flux:27025.8x1 lm																		
NAME: AOK oH									TYPE:LED					WEIGHT:6KG				
SPEC.:AOK-200WoH									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	8618	8618	8618	8618	8618	8618	8618	8618	8618	8618	8618	8618	8618	8618	8618	8618	8618	8618	8618
5	8700	8700	8697	8692	8683	8674	8661	8647	8632	8616	8632	8647	8661	8674	8683	8692	8697	8700	8700
10	8779	8779	8770	8758	8741	8722	8697	8670	8637	8612	8637	8670	8697	8722	8741	8758	8770	8779	8779
15	8839	8835	8820	8801	8774	8743	8704	8664	8620	8577	8620	8664	8704	8743	8774	8801	8820	8835	8839
20	8851	8842	8822	8803	8766	8727	8678	8628	8572	8518	8572	8628	8678	8727	8766	8803	8822	8842	8851
25	8841	8833	8809	8783	8742	8695	8637	8576	8508	8444	8508	8576	8637	8695	8742	8783	8809	8833	8841
30	8785	8778	8733	8689	8638	8589	8517	8452	8365	8295	8365	8452	8517	8589	8638	8689	8733	8778	8785
35	8591	8563	8528	8516	8466	8407	8320	8237	8151	8069	8151	8237	8320	8407	8466	8516	8528	8563	8591
40	8515	8515	8494	8435	8381	8314	8225	8135	8029	7937	8029	8135	8225	8314	8381	8435	8494	8515	8515
45	8521	8545	8506	8433	8346	8290	8205	8106	8002	7907	8002	8106	8205	8290	8346	8433	8506	8545	8521
50	8588	8565	8505	8427	8300	8238	8167	8098	8016	7982	8016	8098	8167	8238	8300	8427	8505	8565	8588
55	8195	8092	7961	7899	7786	7730	7679	7697	7694	7771	7694	7697	7679	7730	7786	7899	7961	8092	8195
60	5329	5278	4928	4888	4508	4503	4122	4215	3933	4245	3933	4215	4122	4503	4508	4888	4928	5278	5329
65	683	670	630	608	566	544	506	493	469	469	469	493	506	544	566	608	630	670	683
70	345	342	333	330	320	314	304	300	291	290	291	300	304	314	320	330	333	342	345
75	230	228	222	219	214	210	204	201	196	195	196	201	204	210	214	219	222	228	230
80	131	129	123	120	114	113	107	105	99.0	100	99.0	105	107	113	114	120	123	129	131
85	28.4	28.1	24.0	23.3	20.3	19.8	18.5	18.5	17.5	18.5	17.5	18.5	18.5	19.8	20.3	23.3	24.0	28.1	28.4
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:2017-12-28

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=0.9891]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.9V I:0.9676A P:201.2W PF:0.9727 Freq:49.99Hz Lamp Flux:27025.8x1 lm																	
NAME: AOK oH									TYPE:LED						WEIGHT:6KG		
SPEC.:AOK-200WoH									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	8618	8618	8618	8618	8618	8618	8618	8618	8618	8618	8618	8618	8618	8618	8618	8618	8618		
5	8700	8697	8692	8683	8674	8661	8647	8632	8616	8632	8647	8661	8674	8683	8692	8697	8700		
10	8779	8770	8758	8741	8722	8697	8670	8637	8612	8637	8670	8697	8722	8741	8758	8770	8779		
15	8835	8820	8801	8774	8743	8704	8664	8620	8577	8620	8664	8704	8743	8774	8801	8820	8835		
20	8842	8822	8803	8766	8727	8678	8628	8572	8518	8572	8628	8678	8727	8766	8803	8822	8842		
25	8833	8809	8783	8742	8695	8637	8576	8508	8444	8508	8576	8637	8695	8742	8783	8809	8833		
30	8778	8733	8689	8638	8589	8517	8452	8365	8295	8365	8452	8517	8589	8638	8689	8733	8778		
35	8563	8528	8516	8466	8407	8320	8237	8151	8069	8151	8237	8320	8407	8466	8516	8528	8563		
40	8515	8494	8435	8381	8314	8225	8135	8029	7937	8029	8135	8225	8314	8381	8435	8494	8515		
45	8545	8506	8433	8346	8290	8205	8106	8002	7907	8002	8106	8205	8290	8346	8433	8506	8545		
50	8565	8505	8427	8300	8238	8167	8098	8016	7982	8016	8098	8167	8238	8300	8427	8505	8565		
55	8092	7961	7899	7786	7730	7679	7697	7694	7771	7694	7697	7679	7730	7786	7899	7961	8092		
60	5278	4928	4888	4508	4503	4122	4215	3933	4245	3933	4215	4122	4503	4508	4888	4928	5278		
65	670	630	608	566	544	506	493	469	469	469	493	506	544	566	608	630	670		
70	342	333	330	320	314	304	300	291	290	291	300	304	314	320	330	333	342		
75	228	222	219	214	210	204	201	196	195	196	201	204	210	214	219	222	228		
80	129	123	120	114	113	107	105	99.0	100	99.0	105	107	113	114	120	123	129		
85	28.1	24.0	23.3	20.3	19.8	18.5	18.5	17.5	18.5	17.5	18.5	18.5	19.8	20.3	23.3	24.0	28.1		
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:2017-12-28

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=0.9891]
Remarks: