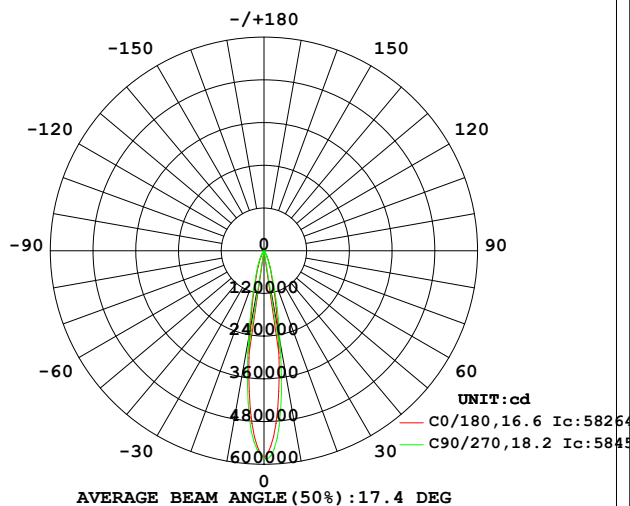


LUMINAIRE PHOTOMETRIC TEST REPORT

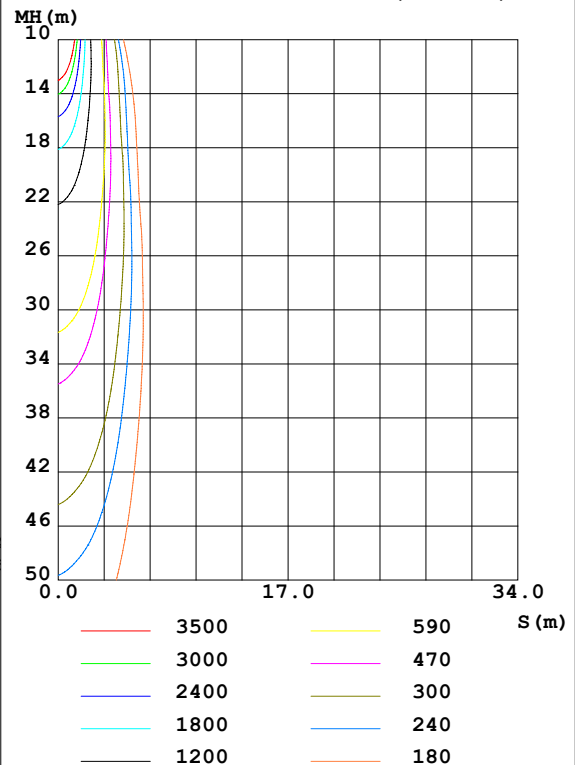
Test:U:218.9V I:3.274A P:710.0W PF:0.9905 Freq:49.99Hz Lamp Flux:96089.4x1 lm		
NAME: AOK win	TYPE:LED	WEIGHT:8.5KG
SPEC.:AOK-720WiNS-NV-L5-00-5070-15D-P	DIM.: ϕ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: ϕ 530mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 135.33 lm/W			
MODEL	5050	I _{max} (cd)	584549	S/MH (C0/180)	0.28
NOMINAL POWER (W)	720	LOR (%)	100.0	S/MH (C90/270)	0.31
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	96089	η UP, DN (C0-180)	0.0, 50.0
NOMINAL FLUX (lm)	96089.4	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 50.0
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [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	2275	2420	2611	2420	2275	2312	2473	2312	0- 10	36107	36107	37.6, 37.6
20	520.9	496.3	517.2	496.3	520.9	529.3	577.8	529.3	10- 20	31142	67249	70, 70
30	127.9	109.2	114.4	109.2	127.9	136.8	159.6	136.8	20- 30	12938	80187	83.5, 83.5
40	49.88	48.87	50.35	48.87	49.88	48.94	50.39	48.94	30- 40	4294	84481	87.9, 87.9
50	41.36	39.57	41.75	39.57	41.36	39.36	41.91	39.36	40- 50	3461	87942	91.5, 91.5
60	33.96	31.06	34.86	31.06	33.96	30.62	34.37	30.62	50- 60	3194	91136	94.8, 94.8
70	22.99	22.21	24.12	22.21	22.99	21.65	23.33	21.65	60- 70	2682	93818	97.6, 97.6
80	10.81	11.12	12.21	11.12	10.81	10.40	11.47	10.40	70- 80	1801	95619	99.5, 99.5
90	0	0	0	0	0	0	0	0	80- 90	470.9	96089	100, 100
100	0	0	0	0	0	0	0	0	90-100	0	96089	100, 100
110	0	0	0	0	0	0	0	0	100-110	0	96089	100, 100
120	0	0	0	0	0	0	0	0	110-120	0	96089	100, 100
130	0	0	0	0	0	0	0	0	120-130	0	96089	100, 100
140	0	0	0	0	0	0	0	0	130-140	0	96089	100, 100
150	0	0	0	0	0	0	0	0	140-150	0	96089	100, 100
160	0	0	0	0	0	0	0	0	150-160	0	96089	100, 100
170	0	0	0	0	0	0	0	0	160-170	0	96089	100, 100
180	0	0	0	0	0	0	0	0	170-180	0	96089	100, 100
DEG	LUMINOUS INTENSITY: $\times 100 \text{cd}$									UNIT: lm		

Conical surface Flux(90deg): 86221 lm

%lum = 89.7%

%lamp = 89.7%

Conical surface Flux(120deg): 91136 lm

%lum = 94.8%

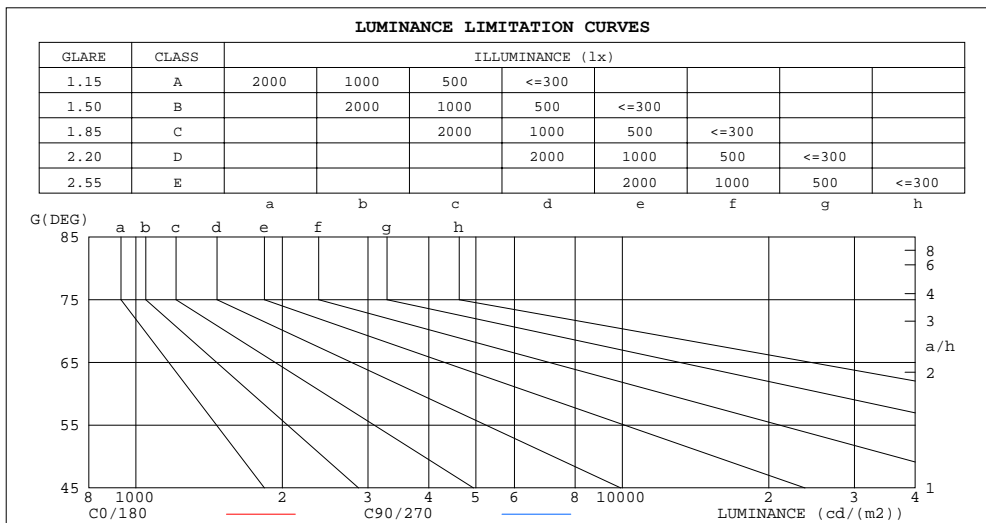
%lamp = 94.8%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2019-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 7.801m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:218.9V I:3.274A P:710.0W PF:0.9905 Freq:49.99Hz Lamp Flux:96089.4x1 lm		
NAME: AOK win	TYPE:LED	WEIGHT:8.5KG
SPEC.:AOK-720WiNS-NV-L5-00-5070-15D-P	DIM.: Φ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 530mm	Shielding Angle:



LUMINANCE $\text{cd}/(\text{m}^2)$		
G(DEG)	C0/180	C90/270
85	40298	57334
80	63185	70039
75	67688	71399
70	68245	70230
65	66446	68327
60	68962	69438
55	65019	64412
50	65335	64693
45	65373	64082

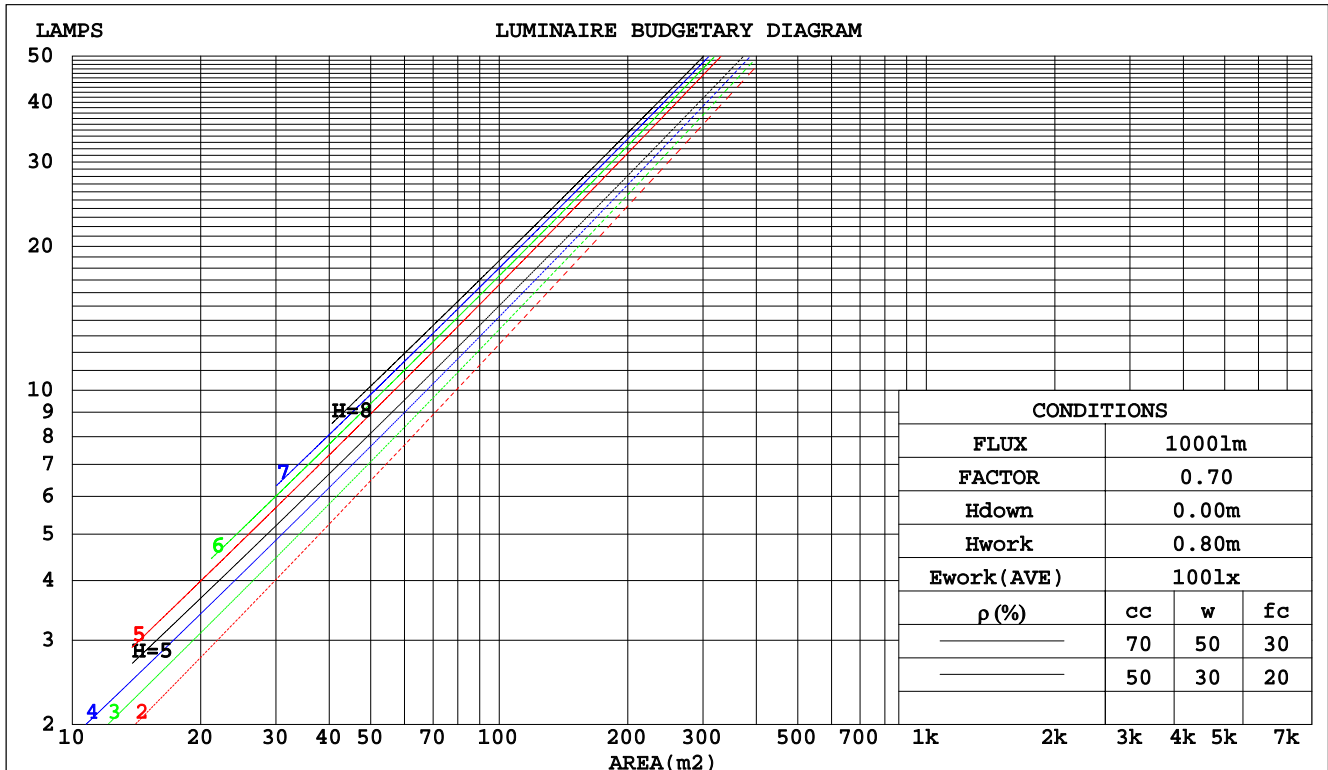
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:218.9V I:3.274A P:710.0W PF:0.9905 Freq:49.99Hz Lamp Flux:96089.4x1 lm		
NAME: AOK win	TYPE:LED	WEIGHT:8.5KG
SPEC.:AOK-720WiNS-NV-L5-00-5070-15D-P	DIM.: $\phi 550 \times 200\text{mm}$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 530\text{mm}$	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	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.96	.94
2.0	1.05	1.01	.98	1.03	.90	.97	.90	.97	.95	.97	.95	.93	.94	.92	.91	.89
3.0	.99	.95	.91	.98	.94	.91	.95	.92	.89	.93	.90	.88	.91	.88	.86	.85
4.0	.94	.90	.86	.93	.89	.86	.91	.88	.85	.89	.86	.84	.88	.85	.83	.81
5.0	.90	.86	.82	.90	.85	.82	.88	.84	.81	.86	.83	.80	.85	.82	.80	.78
6.0	.87	.82	.79	.86	.82	.78	.85	.81	.78	.84	.80	.77	.82	.79	.77	.76
7.0	.84	.79	.76	.83	.79	.76	.82	.78	.75	.81	.77	.75	.80	.77	.74	.73
8.0	.81	.76	.73	.81	.76	.73	.80	.76	.73	.79	.75	.73	.78	.75	.72	.71
9.0	.79	.74	.71	.78	.74	.71	.77	.73	.71	.77	.73	.70	.76	.73	.70	.69
10.0	.76	.72	.69	.76	.72	.69	.75	.71	.69	.75	.71	.69	.74	.71	.68	.67



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2019-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 7.801m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:218.9V I:3.274A P:710.0W PF:0.9905 Freq:49.99Hz Lamp Flux:96089.4x1 lm		
NAME: AOK win	TYPE:LED	WEIGHT:8.5KG
SPEC.:AOK-720WiNS-NV-L5-00-5070-15D-P	DIM.: Φ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 530mm	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	.168	.096	.030	.161	.092	.029	.149	.085	.027	.137	.079	.025	.127	.073	.024	
2.0	.155	.085	.026	.150	.082	.025	.139	.077	.024	.130	.073	.023	.121	.068	.022	
3.0	.143	.076	.023	.138	.074	.022	.130	.070	.021	.122	.067	.020	.114	.063	.020	
4.0	.133	.069	.020	.129	.067	.020	.121	.064	.019	.114	.061	.018	.108	.058	.018	
5.0	.123	.063	.018	.120	.062	.018	.114	.059	.017	.108	.057	.017	.102	.054	.016	
6.0	.115	.058	.017	.112	.057	.016	.107	.055	.016	.102	.053	.016	.097	.051	.015	
7.0	.108	.054	.015	.106	.053	.015	.101	.051	.015	.096	.049	.014	.092	.048	.014	
8.0	.102	.050	.014	.100	.049	.014	.096	.048	.014	.092	.046	.013	.088	.045	.013	
9.0	.097	.047	.013	.095	.046	.013	.091	.045	.013	.087	.044	.013	.084	.043	.012	
10.0	.092	.044	.012	.090	.044	.012	.087	.043	.012	.084	.042	.012	.081	.041	.012	

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	.146	.146	.135	.125	.100	.093	.087	.057	.054	.050	.018	.017	.016	
2.0	.154	.133	.115	.132	.114	.099	.090	.079	.069	.052	.046	.040	.017	.015	.013	
3.0	.140	.113	.092	.120	.098	.080	.082	.068	.056	.048	.040	.033	.015	.013	.011	
4.0	.128	.098	.076	.110	.085	.066	.076	.059	.046	.044	.035	.027	.014	.011	.009	
5.0	.118	.086	.063	.101	.075	.055	.070	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.109	.077	.053	.094	.066	.046	.065	.046	.033	.037	.027	.020	.012	.009	.006	
7.0	.101	.069	.046	.087	.059	.040	.060	.042	.028	.035	.025	.017	.011	.008	.006	
8.0	.095	.062	.039	.081	.054	.034	.056	.038	.024	.033	.022	.015	.011	.007	.005	
9.0	.089	.056	.034	.076	.049	.030	.053	.034	.021	.031	.020	.013	.010	.007	.004	
10.0	.083	.051	.030	.072	.045	.026	.050	.031	.019	.029	.019	.011	.009	.006	.004	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:218.9V I:3.274A P:710.0W PF:0.9905 Freq:49.99Hz Lamp Flux:96089.4x1 lm											
NAME: AOK win					TYPE:LED			WEIGHT:8.5KG			
SPEC.:AOK-720WiNS-NV-L5-00-5070-15D-P					DIM.: Φ 550*200mm			SERIAL No.:			
MFR.: AOK					SUR.: Φ 530mm			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		6.3	7.1	6.5	7.2	7.4	6.3	7.0	6.5	7.2	7.3
3H		8.3	9.0	8.5	9.2	9.4	8.3	9.0	8.6	9.2	9.4
4H		9.1	9.8	9.4	10.0	10.3	9.2	9.9	9.5	10.1	10.4
6H		9.8	10.5	10.1	10.7	10.9	10.0	10.6	10.3	10.9	11.1
8H		10.0	10.6	10.3	10.9	11.1	10.2	10.9	10.5	11.1	11.4
12H		10.1	10.7	10.4	11.0	11.2	10.4	11.0	10.7	11.3	11.5
4H 2H		7.0	7.7	7.3	7.9	8.2	7.0	7.7	7.3	7.9	8.1
3H		9.2	9.8	9.5	10.1	10.3	9.2	9.8	9.5	10.1	10.4
4H		10.2	10.8	10.5	11.1	11.4	10.3	10.9	10.6	11.1	11.5
6H		11.0	11.5	11.4	11.8	12.2	11.2	11.7	11.5	12.0	12.3
8H		11.2	11.7	11.6	12.0	12.4	11.5	11.9	11.8	12.3	12.6
12H		11.3	11.8	11.7	12.1	12.5	11.6	12.1	12.0	12.4	12.8
8H 4H		10.5	11.0	10.9	11.4	11.7	10.6	11.1	11.0	11.5	11.8
6H		11.5	11.9	11.9	12.3	12.7	11.6	12.0	12.1	12.4	12.8
8H		11.8	12.1	12.2	12.6	13.0	12.0	12.4	12.5	12.8	13.2
12H		11.9	12.3	12.4	12.7	13.2	12.3	12.6	12.7	13.0	13.5
12H 4H		10.6	11.0	11.0	11.4	11.8	10.7	11.1	11.1	11.5	11.8
6H		11.6	11.9	12.0	12.3	12.8	11.7	12.1	12.1	12.5	12.9
8H		11.9	12.2	12.4	12.6	13.1	12.1	12.4	12.6	12.9	13.3
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H		+ 0.1 / - 0.2					+ 0.1 / - 0.2				
2.0H		+ 0.1 / - 0.3					+ 0.1 / - 0.2				

CIE Pub.117, 96089 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 15.9$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:218.9V I:3.274A P:710.0W PF:0.9905 Freq:49.99Hz Lamp Flux:96089.4x1 lm		
NAME: AOK win	TYPE:LED	WEIGHT:8.5KG
SPEC.:AOK-720WiNS-NV-L5-00-5070-15D-P	DIM.: Φ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 530mm	Shielding Angle:

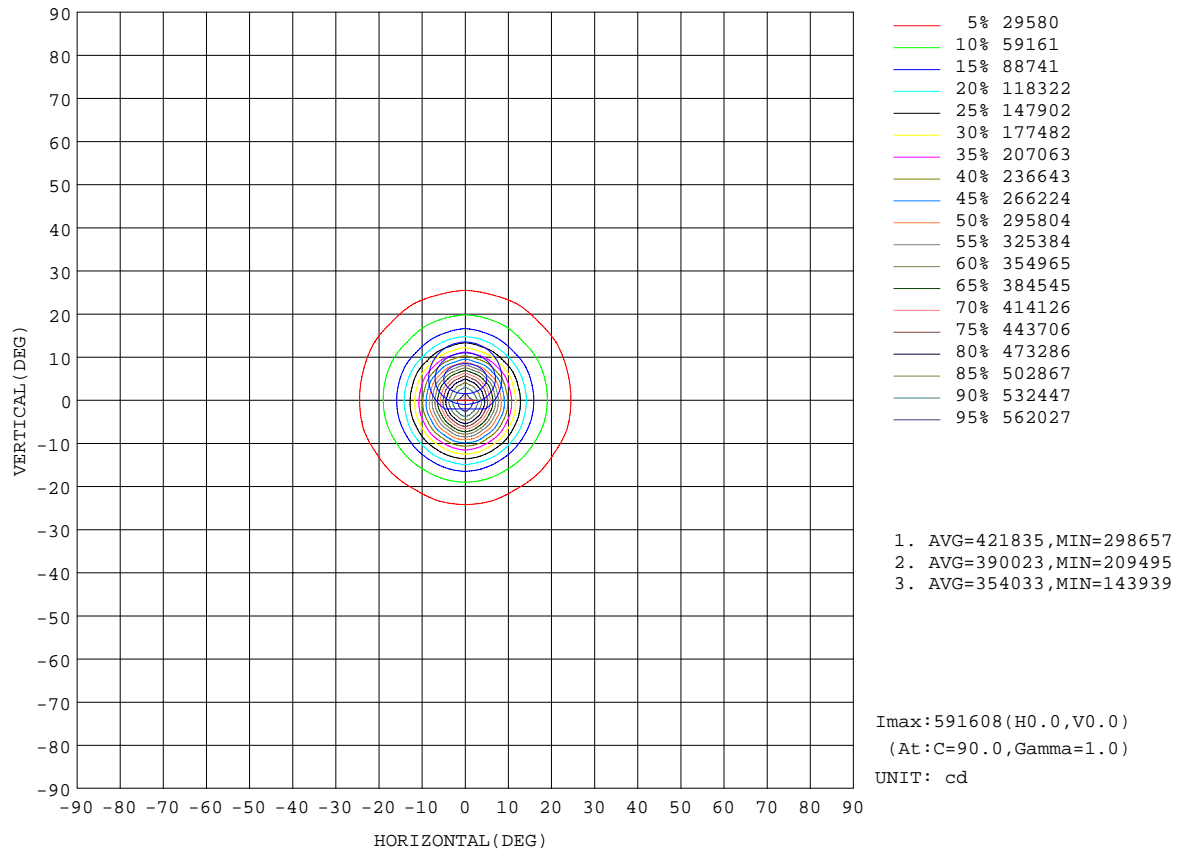
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	84	77	73	84	77	73	83	77	73	69
0.80	92	85	81	91	85	81	90	84	81	77
1.00	96	90	86	95	90	86	94	90	85	81
1.25	101	95	91	99	94	90	97	93	90	85
1.50	103	98	94	102	97	94	100	96	93	88
2.00	107	102	98	105	101	97	102	99	96	90
2.50	109	104	101	107	103	100	104	101	98	92
3.00	110	106	103	109	105	102	105	102	100	93
4.00	113	110	107	111	108	106	107	105	103	96
5.00	114	112	109	112	110	108	108	106	105	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:218.9V I:3.274A P:710.0W PF:0.9905 Freq:49.99Hz Lamp Flux:96089.4x1 lm		
NAME: AOK win	TYPE:LED	WEIGHT:8.5KG
SPEC.:AOK-720WiNS-NV-L5-00-5070-15D-P	DIM.: Φ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 530mm	Shielding Angle:



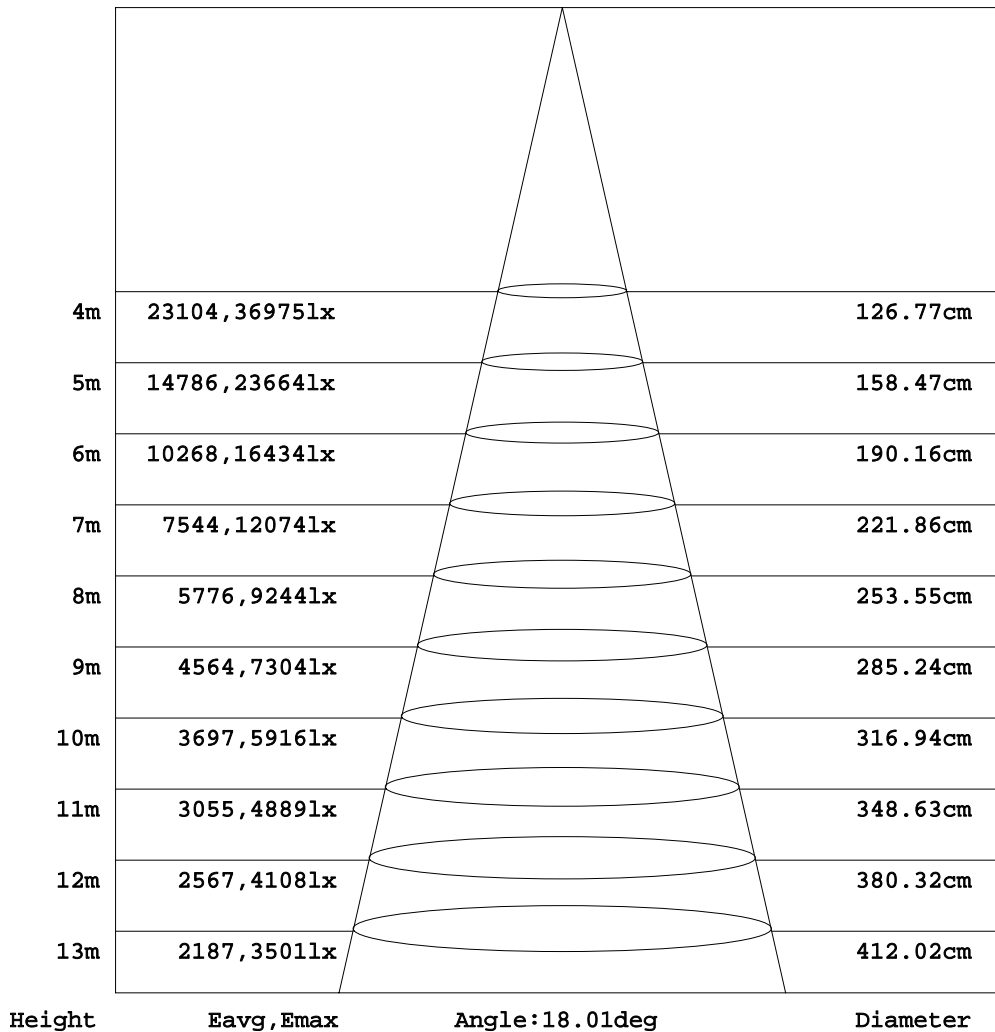
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

AAI Figure

Test:U:218.9V I:3.274A P:710.0W PF:0.9905 Freq:49.99Hz Lamp Flux:96089.4x1 lm		
NAME: AOK win	TYPE:LED	WEIGHT:8.5KG
SPEC.:AOK-720WiNS-NV-L5-00-5070-15D-P	DIM.: $\Phi 550 \times 200\text{mm}$	SERIAL No.:
MFR.: AOK	SUR.: $\Phi 530\text{mm}$	Shielding Angle:

Flux out:36107 lm



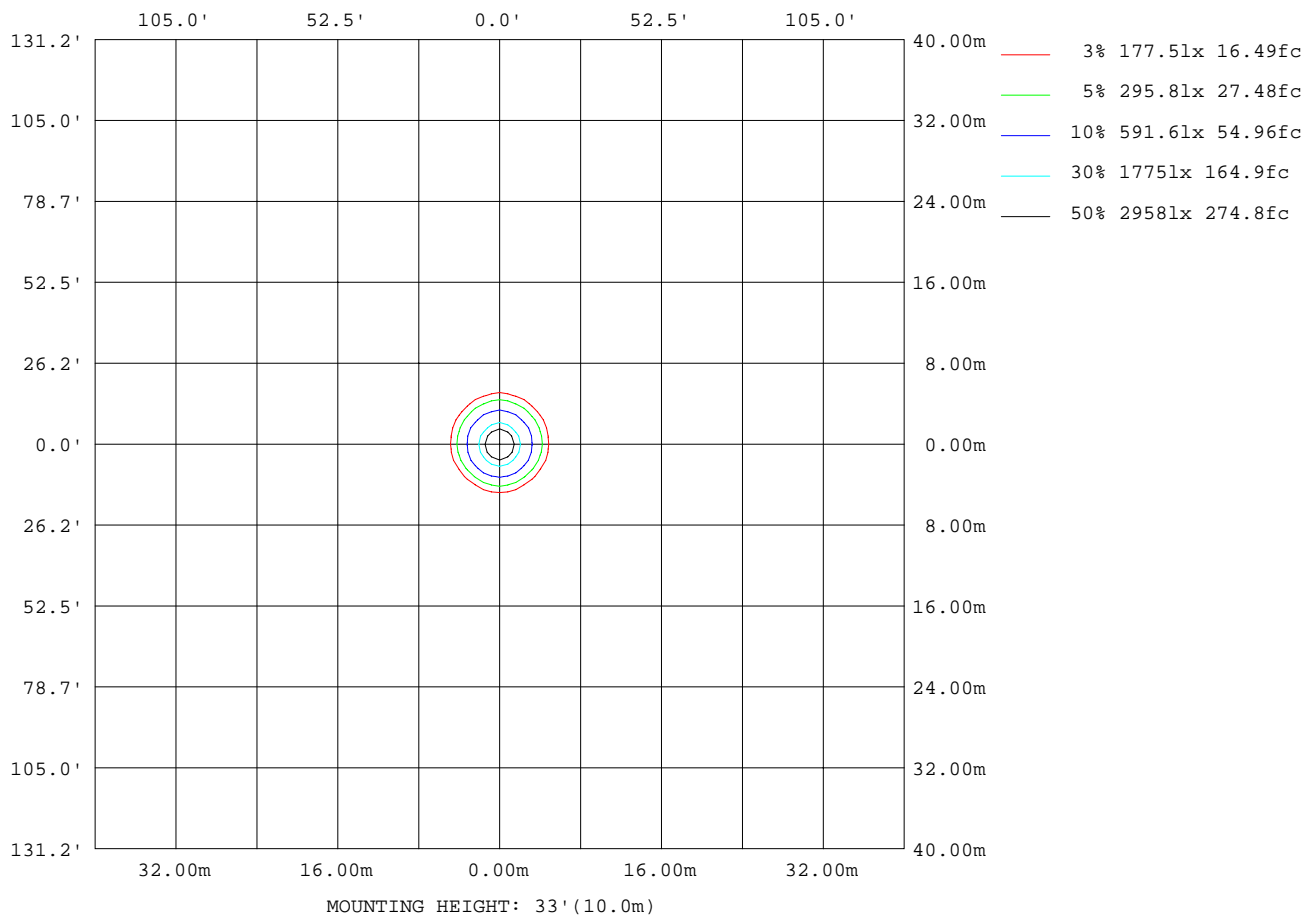
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2019-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 7.801m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:218.9V I:3.274A P:710.0W PF:0.9905 Freq:49.99Hz Lamp Flux:96089.4x1 lm		
NAME: AOK win	TYPE:LED	WEIGHT:8.5KG
SPEC.:AOK-720WiNS-NV-L5-00-5070-15D-P	DIM.: Φ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 530mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.801m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:218.9V I:3.274A P:710.0W PF:0.9905 Freq:49.99Hz Lamp Flux:96089.4x1 lm		
NAME: AOK win	TYPE:LED	WEIGHT:8.5KG
SPEC.:AOK-720WiNS-NV-L5-00-5070-15D-P	DIM.: Φ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 530mm	Shielding Angle:

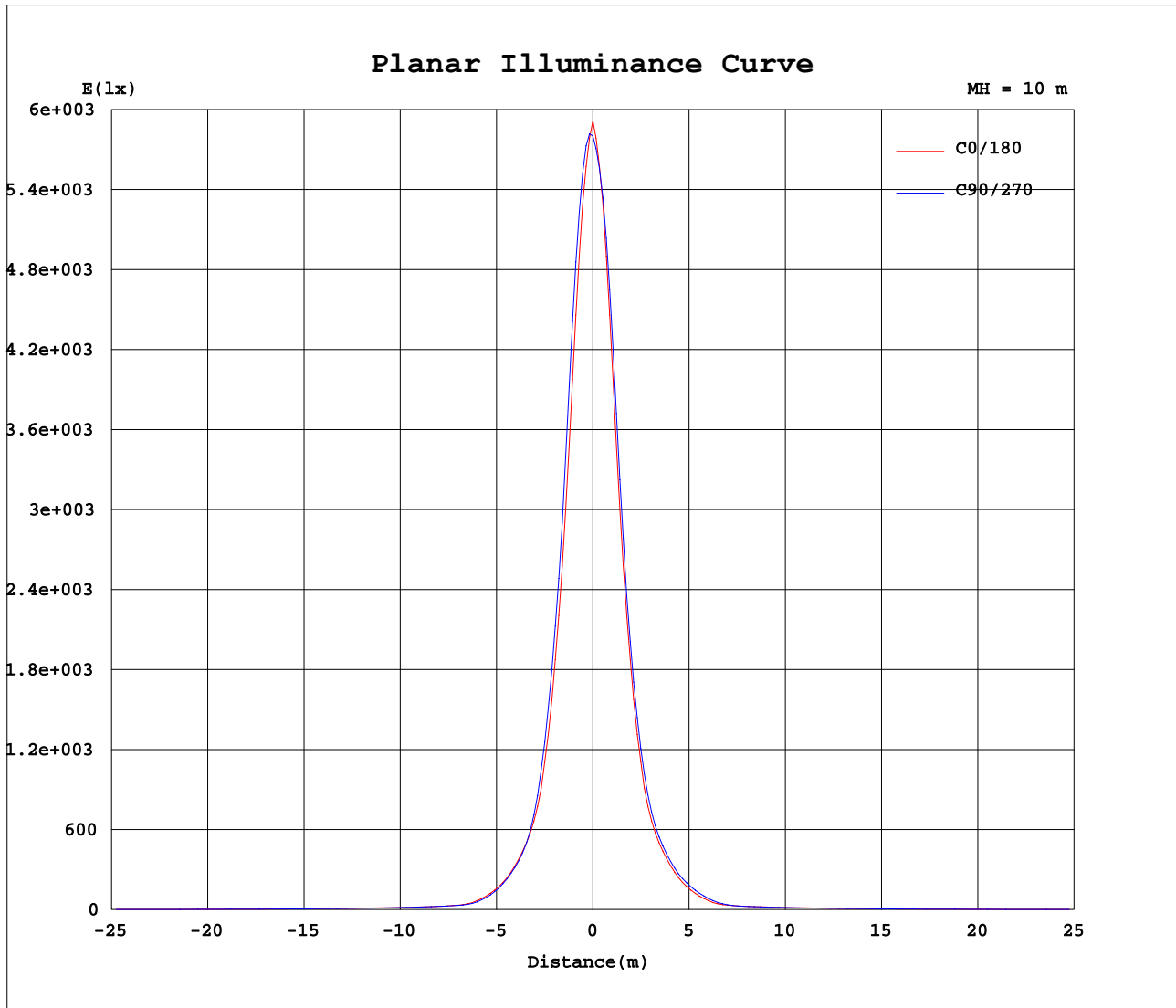
AvgL	cd/m2
L_0~180 (65) av	65440
L_0~180 (75) av	66663
L_0~180 (85) av	39687
L_90~270 (65) av	67605
L_90~270 (75) av	70148
L_90~270 (85) av	52209
L_45 (65) av	62546
L_45 (75) av	65253
L_45 (85) av	41899

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.801m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:218.9V I:3.274A P:710.0W PF:0.9905 Freq:49.99Hz Lamp Flux:96089.4x1 lm		
NAME: AOK win	TYPE:LED	WEIGHT:8.5KG
SPEC.:AOK-720WiNS-NV-L5-00-5070-15D-P	DIM.: ϕ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: ϕ 530mm	Shielding Angle:

Table--1

UNIT: $\times 100\text{cd}$

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	5826	5826	5826	5826	5826	5826	5826	5826	5826	5826	5826	5826	5826	5826	5826	5826	5826	5826	5826
5	4443	4496	4486	4604	4658	4836	4934	4836	4658	4604	4486	4496	4443	4479	4509	4477	4550	4582	4724
10	2275	2323	2335	2420	2441	2598	2611	2598	2441	2420	2335	2323	2275	2296	2335	2312	2361	2362	2473
15	997	1008	1048	1044	1100	1116	1174	1116	1100	1044	1048	1008	997	1014	1029	1009	1051	1113	1135
20	521	516	499	496	490	510	517	510	490	496	499	516	521	537	539	529	556	567	578
25	271	271	246	244	241	261	263	261	241	244	246	271	271	279	290	285	305	304	314
30	128	120	111	109	109	111	114	111	109	109	111	120	128	133	136	137	143	148	160
35	60.8	59.1	57.4	57.5	56.6	57.7	58.9	57.7	56.6	57.5	57.4	59.1	60.8	61.4	62.2	63.1	64.6	64.9	66.8
40	49.9	50.0	49.6	48.9	49.2	49.9	50.3	49.9	49.2	48.9	49.6	50.0	49.9	49.8	49.3	48.9	49.8	50.5	50.4
45	45.5	45.2	44.1	44.0	44.0	45.1	45.5	45.1	44.0	44.0	44.1	45.2	45.5	45.2	44.0	43.8	44.2	45.7	45.7
50	41.4	40.8	39.3	39.6	39.4	41.0	41.8	41.0	39.4	39.6	39.3	40.8	41.4	40.7	39.3	39.4	39.4	41.2	41.9
55	36.7	36.0	34.5	35.1	34.6	36.3	37.1	36.3	34.6	35.1	34.5	36.0	36.7	35.8	34.4	34.8	34.5	35.9	37.2
60	34.0	31.7	30.5	31.1	30.6	32.3	34.9	32.3	30.6	31.1	30.5	31.7	34.0	31.5	30.3	30.6	30.4	31.5	34.4
65	27.7	27.3	26.4	26.7	26.7	27.9	29.0	27.9	26.7	26.7	26.4	27.3	27.7	27.0	26.3	26.1	26.3	27.1	28.1
70	23.0	22.9	22.2	22.2	22.6	23.5	24.1	23.5	22.6	22.2	22.2	22.9	23.0	22.4	22.1	21.6	22.1	22.6	23.3
75	17.3	17.4	16.9	17.2	17.3	18.2	18.6	18.2	17.3	17.2	16.9	17.4	17.3	17.1	16.8	16.6	16.8	17.2	17.8
80	10.8	10.9	10.7	11.1	11.2	11.8	12.2	11.8	11.2	11.1	10.7	10.9	10.8	10.7	10.7	10.4	10.7	10.8	11.5
85	3.46	3.71	3.56	4.12	4.02	4.62	5.02	4.62	4.02	4.12	3.56	3.71	3.46	3.37	3.55	3.19	3.59	3.53	4.08
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: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2019-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 7.801m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:218.9V I:3.274A P:710.0W PF:0.9905 Freq:49.99Hz Lamp Flux:96089.4x1 lm		
NAME: AOK win	TYPE:LED	WEIGHT:8.5KG
SPEC.:AOK-720WiNS-NV-L5-00-5070-15D-P	DIM.: ϕ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: ϕ 530mm	Shielding Angle:

Table--2

UNIT: $\times 100\text{cd}$

C (DEG) γ (DEG)	285	300	315	330	345														
0	5826	5826	5826	5826	5826														
5	4582	4550	4477	4509	4479														
10	2362	2361	2312	2335	2296														
15	1113	1051	1009	1029	1014														
20	567	556	529	539	537														
25	304	305	285	290	279														
30	148	143	137	136	133														
35	64.9	64.6	63.1	62.2	61.4														
40	50.5	49.8	48.9	49.3	49.8														
45	45.7	44.2	43.8	44.0	45.2														
50	41.2	39.4	39.4	39.3	40.7														
55	35.9	34.5	34.8	34.4	35.8														
60	31.5	30.4	30.6	30.3	31.5														
65	27.1	26.3	26.1	26.3	27.0														
70	22.6	22.1	21.6	22.1	22.4														
75	17.2	16.8	16.6	16.8	17.1														
80	10.8	10.7	10.4	10.7	10.7														
85	3.53	3.59	3.19	3.55	3.37														
90	0.00	0.00	0.00	0.00	0.00														
95	0.00	0.00	0.00	0.00	0.00														
100	0.00	0.00	0.00	0.00	0.00														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.00	0.00	0.00	0.00														
135	0.00	0.00	0.00	0.00	0.00														
140	0.00	0.00	0.00	0.00	0.00														
145	0.00	0.00	0.00	0.00	0.00														
150	0.00	0.00	0.00	0.00	0.00														
155	0.00	0.00	0.00	0.00	0.00														
160	0.00	0.00	0.00	0.00	0.00														
165	0.00	0.00	0.00	0.00	0.00														
170	0.00	0.00	0.00	0.00	0.00														
175	0.00	0.00	0.00	0.00	0.00														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks: