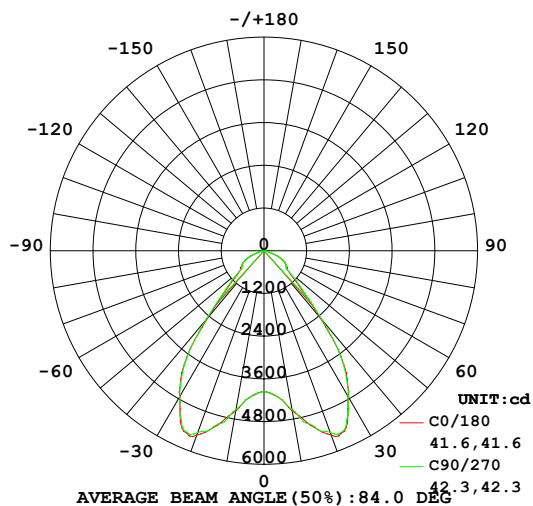


LUMINAIRE PHOTOMETRIC TEST REPORT

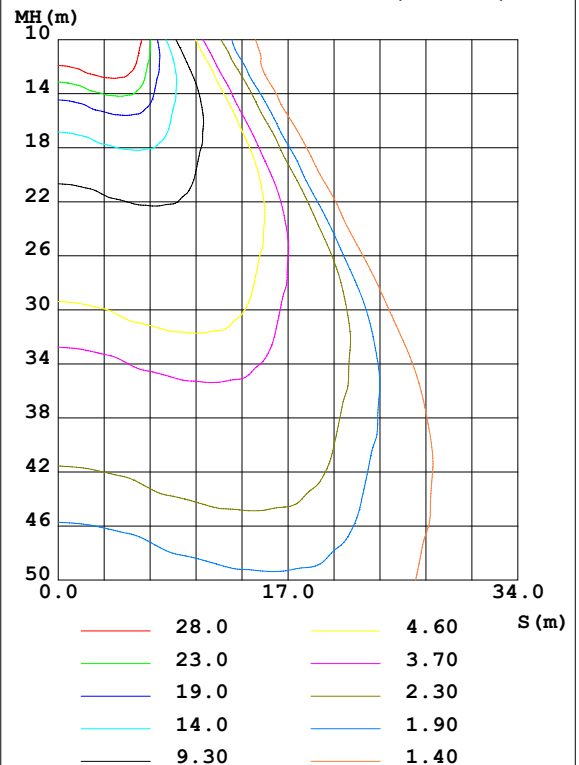
Test:U:219.9V I:0.2979A P:60.10W PF:0.9754 Freq:49.99Hz Lamp Flux:9139.26x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-120D-PC	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 152.07 lm/W			
MODEL	5050	I _{max} (cd)	5640	S/MH (C0/180)	1.22
NOMINAL POWER (W)	60	LOR (%)	100.0	S/MH (C90/270)	1.23
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	9139.3	η UP,DN (C0-180)	0.0,50.0
NOMINAL FLUX (lm)	9139.26	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,50.0
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	1.15

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:2018-01-06

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	4568	4567	4519	4567	4568	4567	4519	4567	0- 10	407.4	407.4	4.46,4.46
20	5503	5418	5432	5418	5503	5418	5432	5418	10- 20	1449	1857	20.3,20.3
30	4726	4617	4734	4617	4726	4617	4734	4617	20- 30	2430	4287	46.9,46.9
40	2467	2342	2543	2342	2467	2342	2543	2342	30- 40	2305	6592	72.1,72.1
50	893.3	885.6	910.3	885.6	893.3	885.6	910.3	885.6	40- 50	1143	7735	84.6,84.6
60	686.5	647.9	682.9	647.9	686.5	647.9	682.9	647.9	50- 60	691.8	8426	92.2,92.2
70	298.2	296.8	322.0	296.8	298.2	296.8	322.0	296.8	60- 70	510.0	8936	97.8,97.8
80	64.29	63.74	65.56	63.74	64.29	63.74	65.56	63.74	70- 80	163.5	9100	99.6,99.6
90	0	0	0	0	0	0	0	0	80- 90	39.40	9139	100,100
100	0	0	0	0	0	0	0	0	90-100	0	9139	100,100
110	0	0	0	0	0	0	0	0	100-110	0	9139	100,100
120	0	0	0	0	0	0	0	0	110-120	0	9139	100,100
130	0	0	0	0	0	0	0	0	120-130	0	9139	100,100
140	0	0	0	0	0	0	0	0	130-140	0	9139	100,100
150	0	0	0	0	0	0	0	0	140-150	0	9139	100,100
160	0	0	0	0	0	0	0	0	150-160	0	9139	100,100
170	0	0	0	0	0	0	0	0	160-170	0	9139	100,100
180	0	0	0	0	0	0	0	0	170-180	0	9139	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 7277.5 lm

%lum = 79.6%

%lamp = 79.6%

Conical surface Flux(120deg): 8426.3 lm

%lum = 92.2%

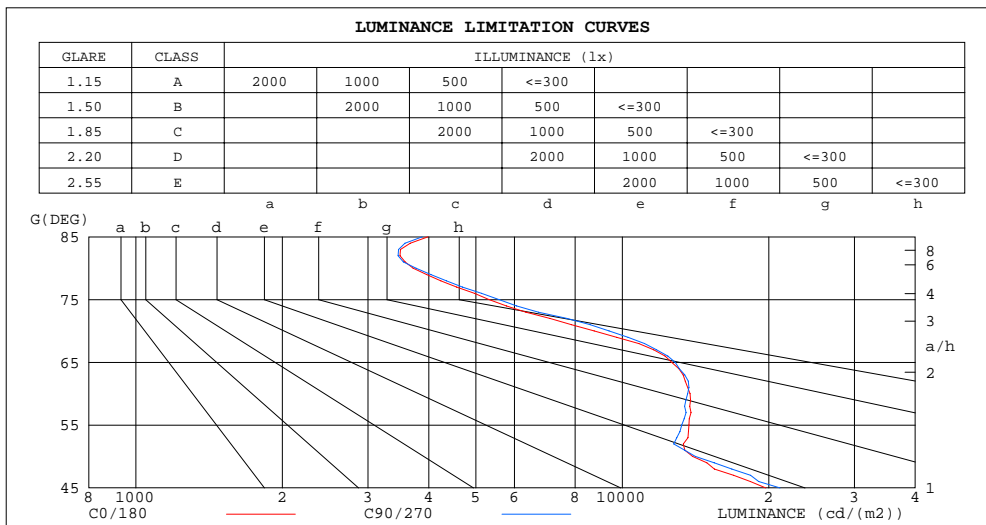
%lamp = 92.2%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-06

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:219.9V I:0.2979A P:60.10W PF:0.9754 Freq:49.99Hz Lamp Flux:9139.26x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-120D-PC	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	3987	3878
80	3715	3767
75	5319	5574
70	8751	9392
65	12633	12841
60	13779	13627
55	13705	13248
50	13947	14129
45	19712	21092

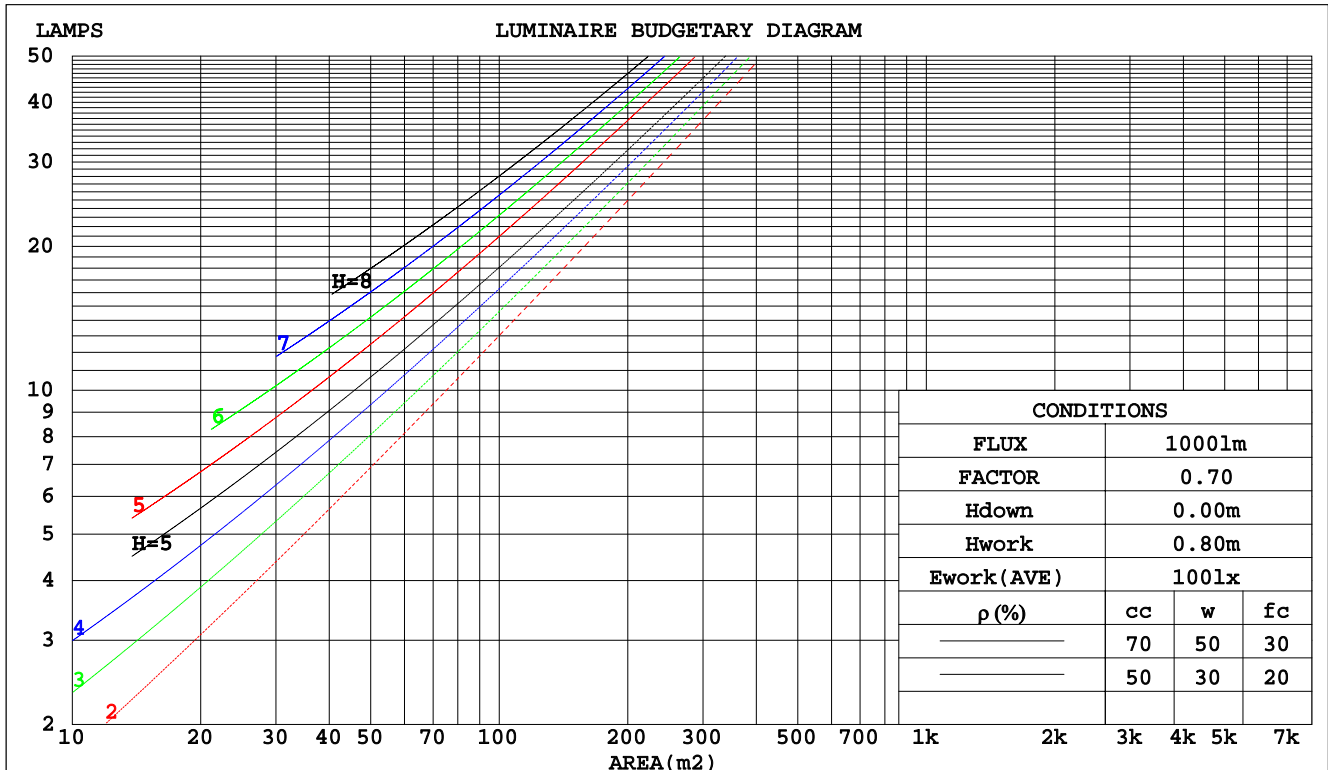
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-06

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:219.9V I:0.2979A P:60.10W PF:0.9754 Freq:49.99Hz Lamp Flux:9139.26x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-120D-PC	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	1.08	1.05	1.02	1.06	1.03	1.00	1.02	.99	.97	.98	.96	.94	.94	.93	.91	.90
2.0	.98	.92	.88	.96	.91	.87	.92	.88	.85	.89	.86	.83	.86	.84	.81	.79
3.0	.89	.82	.77	.87	.81	.76	.84	.79	.75	.82	.77	.74	.79	.76	.73	.71
4.0	.81	.73	.68	.79	.73	.68	.77	.71	.67	.75	.70	.66	.73	.69	.65	.63
5.0	.74	.66	.61	.73	.66	.61	.71	.65	.60	.69	.64	.59	.67	.62	.59	.57
6.0	.68	.60	.55	.67	.60	.55	.65	.59	.54	.64	.58	.54	.62	.57	.53	.52
7.0	.62	.55	.50	.62	.54	.49	.60	.54	.49	.59	.53	.49	.58	.52	.49	.47
8.0	.58	.50	.45	.57	.50	.45	.56	.49	.45	.55	.49	.45	.54	.48	.44	.43
9.0	.53	.46	.41	.53	.46	.41	.52	.46	.41	.51	.45	.41	.50	.45	.41	.39
10.0	.50	.43	.38	.49	.43	.38	.48	.42	.38	.47	.42	.38	.47	.41	.38	.36



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-06

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:219.9V I:0.2979A P:60.10W PF:0.9754 Freq:49.99Hz Lamp Flux:9139.26x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-120D-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	.231	.131	.042	.224	.128	.041	.211	.121	.039	.199	.115	.037	.188	.109	.035	
2.0	.223	.122	.037	.217	.119	.037	.206	.114	.036	.196	.110	.034	.186	.105	.033	
3.0	.211	.112	.034	.206	.110	.033	.197	.107	.032	.188	.103	.032	.179	.099	.031	
4.0	.200	.104	.030	.195	.102	.030	.187	.099	.030	.179	.096	.029	.171	.093	.028	
5.0	.188	.096	.028	.184	.095	.028	.177	.092	.027	.170	.090	.027	.163	.087	.026	
6.0	.178	.089	.026	.174	.088	.025	.168	.086	.025	.161	.084	.025	.156	.082	.024	
7.0	.168	.083	.024	.165	.082	.023	.159	.080	.023	.154	.079	.023	.148	.077	.023	
8.0	.159	.078	.022	.156	.077	.022	.151	.076	.022	.146	.074	.021	.142	.073	.021	
9.0	.151	.073	.020	.149	.072	.020	.144	.071	.020	.139	.070	.020	.135	.069	.020	
10.0	.144	.069	.019	.142	.068	.019	.137	.067	.019	.133	.066	.019	.129	.065	.019	

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	.175	.157	.141	.150	.135	.121	.102	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.163	.132	.106	.140	.114	.092	.096	.079	.064	.055	.046	.038	.018	.015	.012	
3.0	.153	.114	.083	.131	.098	.072	.090	.068	.050	.052	.040	.030	.017	.013	.010	
4.0	.145	.100	.066	.124	.086	.057	.085	.060	.040	.049	.035	.024	.016	.011	.008	
5.0	.137	.089	.053	.118	.077	.046	.081	.054	.033	.047	.032	.019	.015	.010	.006	
6.0	.130	.080	.044	.112	.069	.039	.077	.049	.027	.045	.029	.016	.014	.009	.005	
7.0	.124	.073	.037	.107	.063	.033	.074	.044	.023	.043	.026	.014	.014	.009	.005	
8.0	.118	.067	.032	.102	.058	.028	.070	.041	.020	.041	.024	.012	.013	.008	.004	
9.0	.113	.062	.028	.097	.054	.024	.067	.038	.017	.039	.022	.010	.013	.007	.003	
10.0	.108	.058	.025	.093	.050	.021	.064	.035	.015	.038	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-06

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:219.9V I:0.2979A P:60.10W PF:0.9754 Freq:49.99Hz Lamp Flux:9139.26x1 lm											
NAME: AOK-oH					TYPE:LED			WEIGHT:2.9KG			
SPEC.:AOK-60WoH-5050-120D-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	13.3	14.5	13.5	14.7	14.9	13.4	14.7	13.7	14.9	15.1	
	3H	13.9	15.1	14.2	15.3	15.5	14.2	15.3	14.4	15.5	
	4H	14.0	15.1	14.3	15.3	15.6	14.2	15.3	14.5	15.5	
	6H	14.0	15.0	14.3	15.3	15.5	14.2	15.2	14.5	15.5	
	8H	14.0	15.0	14.3	15.2	15.5	14.2	15.2	14.5	15.4	
	12H	14.0	14.9	14.3	15.2	15.5	14.2	15.1	14.5	15.4	
4H	2H	13.5	14.6	13.8	14.8	15.1	13.7	14.8	14.0	15.0	
	3H	14.3	15.3	14.7	15.5	15.8	14.5	15.4	14.9	15.7	
	4H	14.5	15.3	14.8	15.6	15.9	14.6	15.5	15.0	15.8	
	6H	14.5	15.2	14.9	15.6	15.9	14.7	15.4	15.0	15.7	
	8H	14.5	15.2	14.9	15.5	15.9	14.7	15.3	15.1	15.7	
	12H	14.5	15.1	14.9	15.5	15.9	14.6	15.3	15.1	15.6	
8H	4H	14.4	15.1	14.8	15.5	15.9	14.6	15.3	15.0	15.7	
	6H	14.5	15.1	14.9	15.5	15.9	14.7	15.2	15.1	15.6	
	8H	14.5	15.0	15.0	15.4	15.9	14.7	15.2	15.1	15.6	
	12H	14.6	15.0	15.0	15.4	15.9	14.7	15.1	15.2	15.6	
12H	4H	14.4	15.0	14.8	15.4	15.8	14.6	15.2	15.0	15.6	
	6H	14.5	15.0	14.9	15.4	15.8	14.6	15.1	15.1	15.6	
	8H	14.5	14.9	15.0	15.4	15.9	14.7	15.1	15.1	15.5	
Variations with the observer position at spacings:											
S = 1.0H	+ 1.0 / - 1.3					+ 1.0 / - 1.3					
1.5H	+ 2.3 / - 1.3					+ 2.1 / - 1.5					
2.0H	+ 0.9 / - 1.1					+ 1.1 / - 1.3					

CIE Pub.117, 9139 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 7.7$)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-06

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:219.9V I:0.2979A P:60.10W PF:0.9754 Freq:49.99Hz Lamp Flux:9139.26x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-120D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:

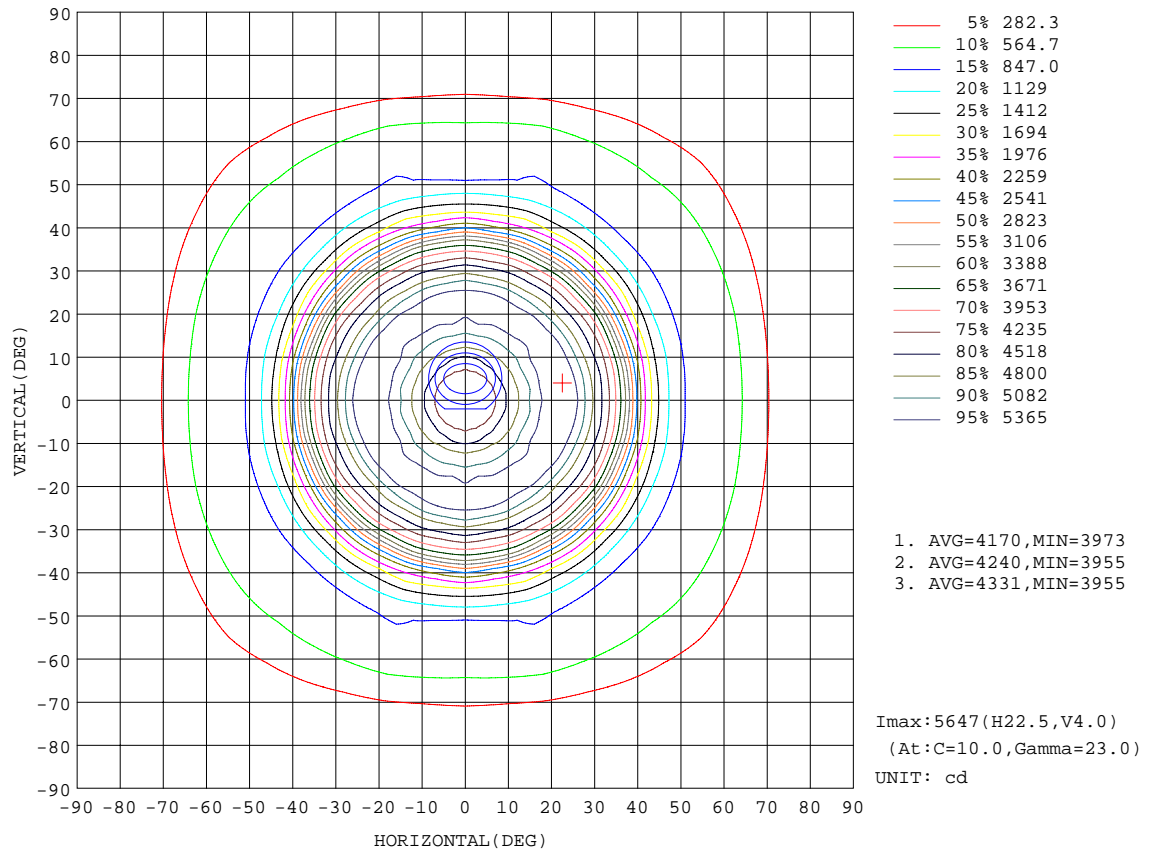
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	74	66	60	74	65	60	73	65	60	55
0.80	83	75	69	82	74	69	81	74	69	64
1.00	90	82	76	89	81	76	87	82	76	70
1.25	95	88	83	94	87	82	92	86	81	76
1.50	99	92	87	97	91	87	95	89	86	80
2.00	103	97	93	102	96	92	99	94	91	84
2.50	106	100	96	104	99	95	101	97	94	87
3.00	108	103	100	106	102	99	103	99	96	89
4.00	111	107	104	109	105	103	105	102	100	92
5.00	113	109	107	110	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:2018-01-06

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:219.9V I:0.2979A P:60.10W PF:0.9754 Freq:49.99Hz Lamp Flux:9139.26x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-120D-PC	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

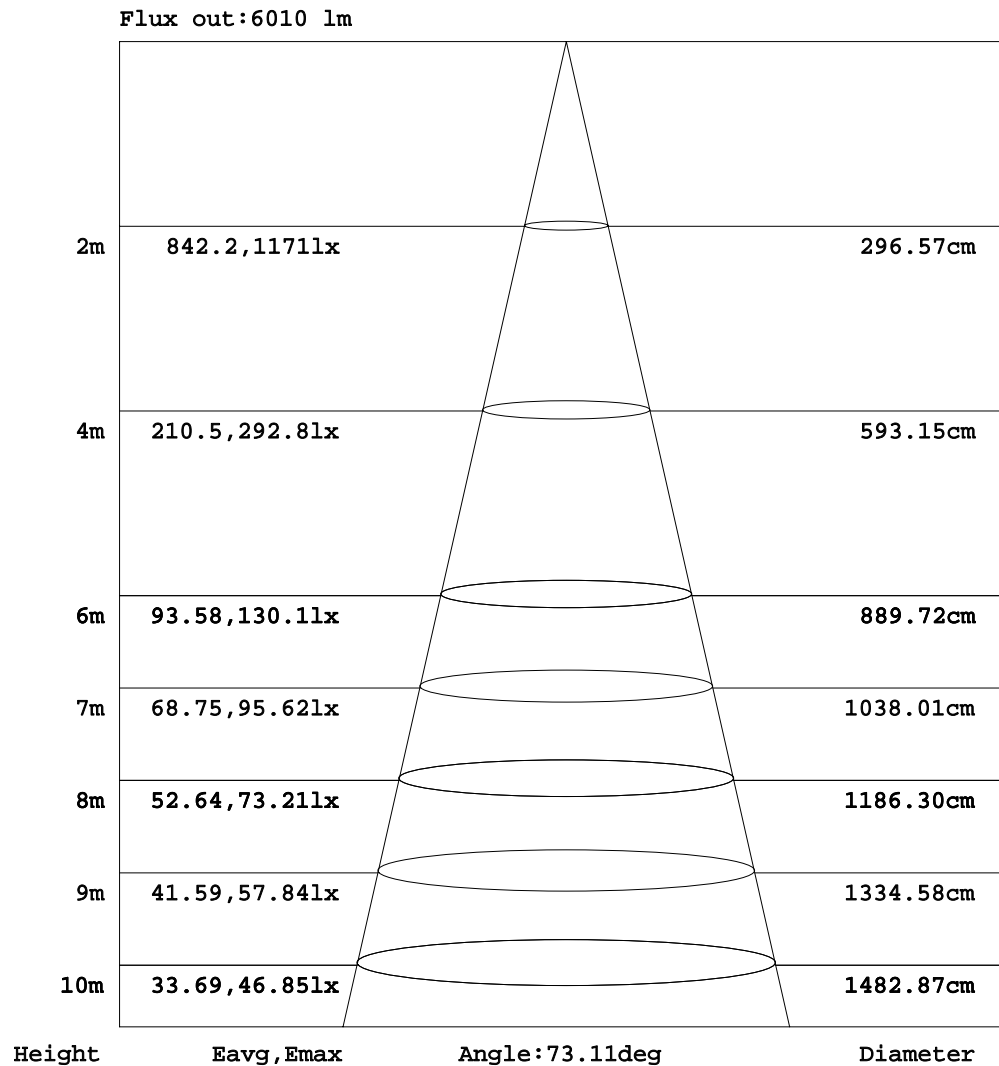


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-06

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:219.9V I:0.2979A P:60.10W PF:0.9754 Freq:49.99Hz Lamp Flux:9139.26x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-120D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:



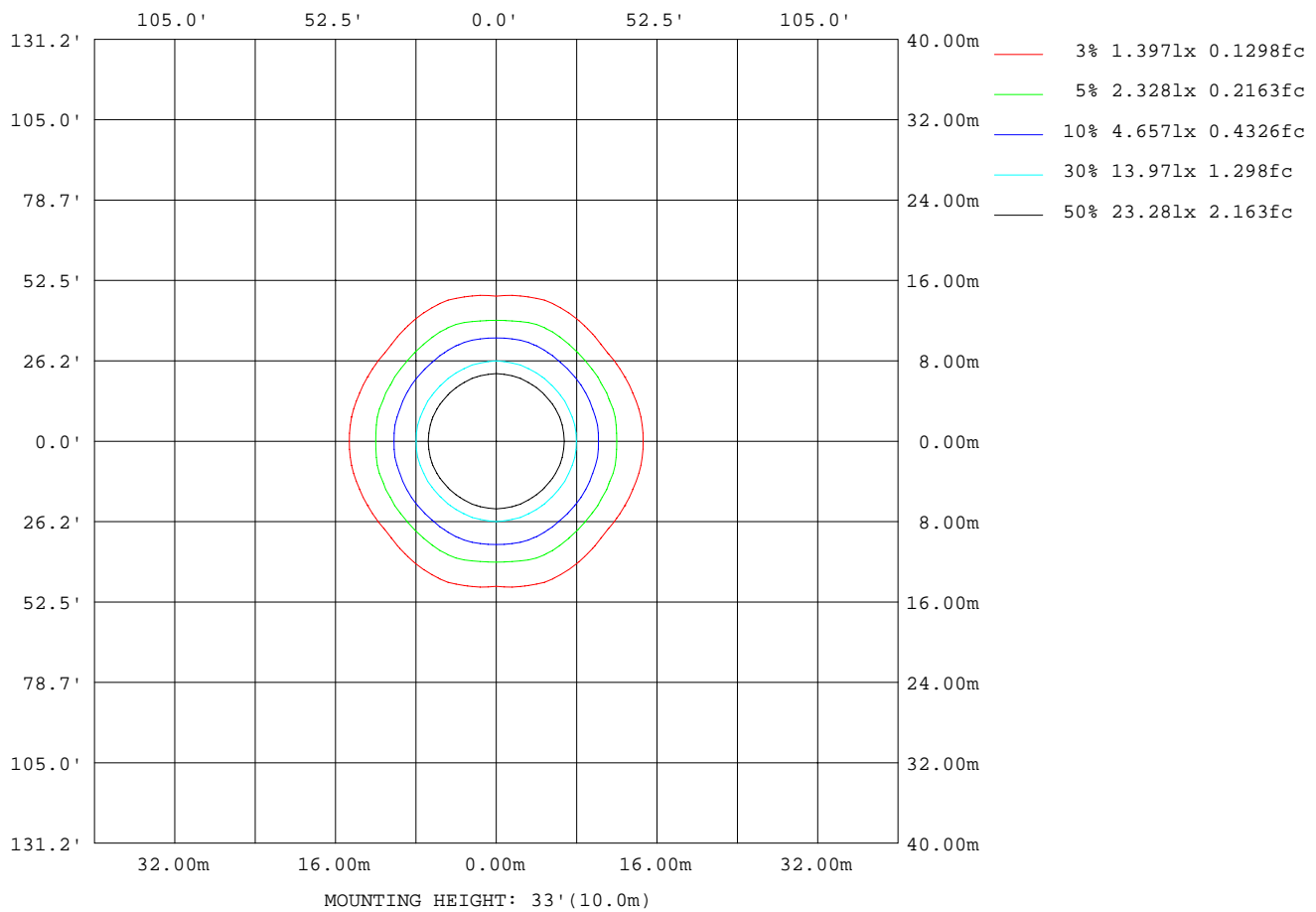
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-06

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:219.9V I:0.2979A P:60.10W PF:0.9754 Freq:49.99Hz Lamp Flux:9139.26x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-120D-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:2018-01-06

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:219.9V I:0.2979A P:60.10W PF:0.9754 Freq:49.99Hz Lamp Flux:9139.26x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-120D-PC	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

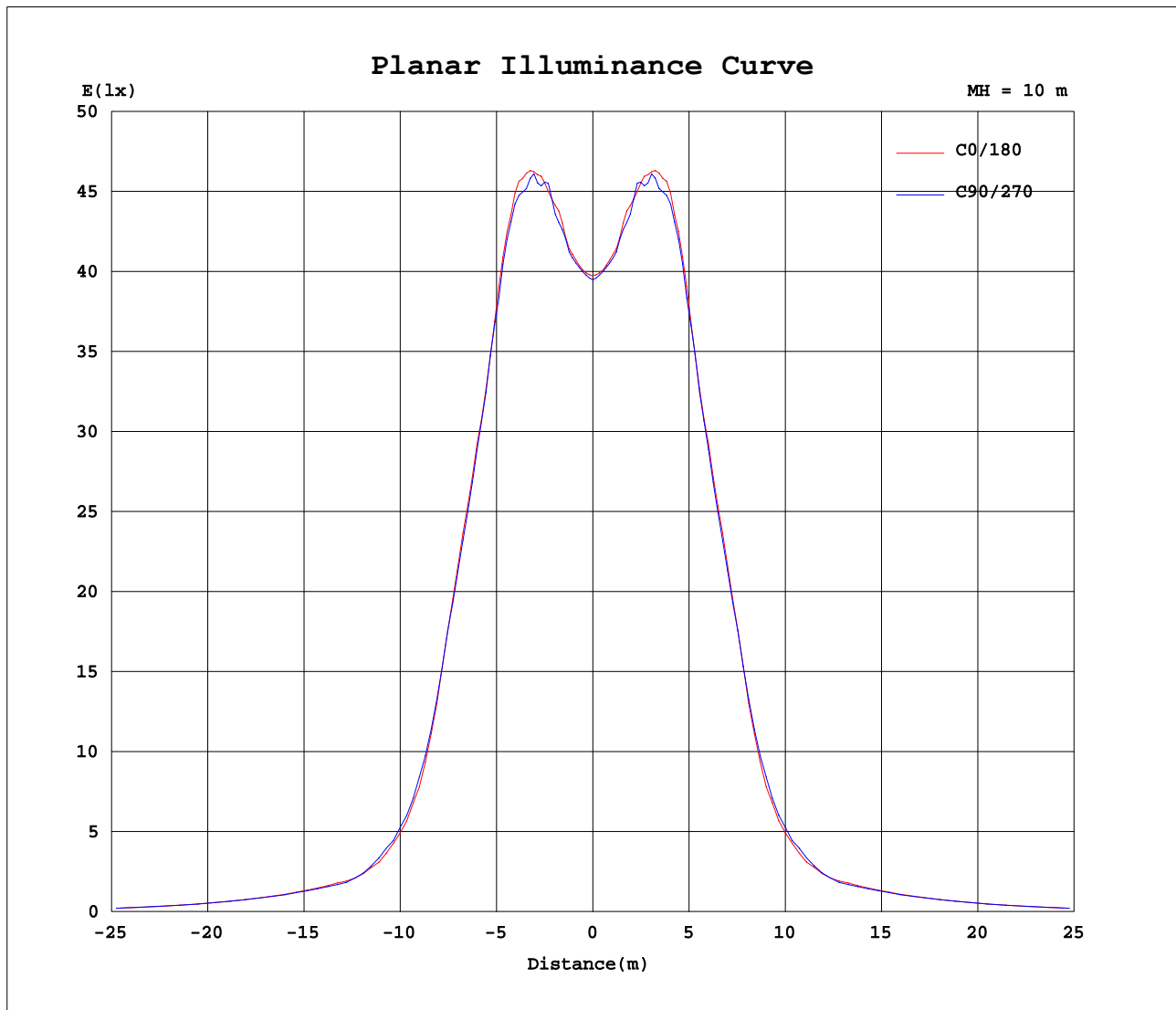
AvgL	cd/m2
L_0~180 (65) av	12588
L_0~180 (75) av	5300
L_0~180 (85) av	3973
L_90~270 (65) av	12871
L_90~270 (75) av	5587
L_90~270 (85) av	3887
L_45 (65) av	12085
L_45 (75) av	5412
L_45 (85) av	3906

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-06

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: 2018-01-06

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:219.9V I:0.2979A P:60.10W PF:0.9754 Freq:49.99Hz Lamp Flux:9139.26x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-120D-PC	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	3958	3958	3958	3958	3958	3958	3958	3958	3958	3958	3958	3958	3958	3958	3958	3958	3958	3958	3958
5	4104	4104	4109	4107	4115	4111	4116	4114	4118	4110	4118	4114	4116	4111	4115	4107	4109	4104	4104
10	4568	4551	4561	4564	4578	4556	4571	4534	4523	4519	4523	4534	4571	4556	4578	4564	4561	4551	4568
15	5081	5050	5079	5096	5060	5071	5055	5061	5072	5044	5072	5061	5055	5071	5060	5096	5079	5050	5081
20	5503	5509	5499	5479	5408	5427	5468	5454	5510	5432	5510	5454	5468	5427	5408	5479	5499	5509	5503
25	5476	5454	5401	5408	5331	5355	5302	5390	5438	5448	5438	5390	5302	5355	5331	5408	5401	5454	5476
30	4726	4723	4700	4682	4631	4602	4623	4664	4689	4734	4689	4664	4623	4602	4631	4682	4700	4723	4726
35	3916	3940	3867	3817	3790	3800	3758	3832	3830	3883	3830	3832	3758	3800	3790	3817	3867	3940	3916
40	2467	2466	2369	2346	2327	2356	2358	2434	2384	2543	2384	2434	2358	2356	2327	2346	2369	2466	2467
45	1389	1366	1397	1374	1363	1401	1426	1511	1496	1495	1496	1511	1426	1401	1363	1374	1397	1366	1389
50	893	901	887	870	878	893	943	960	912	910	912	960	943	893	878	870	887	901	893
55	783	785	756	737	719	756	795	823	799	762	799	823	795	756	719	737	756	785	783
60	687	682	664	654	636	660	688	724	704	683	704	724	688	660	636	654	664	682	687
65	532	534	520	515	507	518	534	564	552	544	552	564	534	518	507	515	520	534	532
70	298	298	294	309	293	301	302	317	314	322	314	317	302	301	293	309	294	298	298
75	137	138	139	141	138	142	142	141	141	145	141	141	142	142	138	141	139	138	137
80	64.3	66.9	68.6	66.2	63.0	64.5	64.2	65.0	63.3	65.6	63.3	65.0	64.2	64.5	63.0	66.2	68.6	66.9	64.3
85	34.6	35.7	35.2	35.2	33.8	34.4	34.0	34.2	33.3	33.9	33.3	34.2	34.0	34.4	33.8	35.2	35.2	35.7	34.6
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:2018-01-06

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:219.9V I:0.2979A P:60.10W PF:0.9754 Freq:49.99Hz Lamp Flux:9139.26x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-120D-PC	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	3958	3958	3958	3958	3958	3958	3958	3958	3958	3958	3958	3958	3958	3958	3958	3958	3958		
5	4104	4109	4107	4115	4111	4116	4114	4118	4110	4118	4114	4116	4111	4115	4107	4109	4104		
10	4551	4561	4564	4578	4556	4571	4534	4523	4519	4523	4534	4571	4556	4578	4564	4561	4551		
15	5050	5079	5096	5060	5071	5055	5061	5072	5044	5072	5061	5055	5071	5060	5096	5079	5050		
20	5509	5499	5479	5408	5427	5468	5454	5510	5432	5510	5454	5468	5427	5408	5479	5499	5509		
25	5454	5401	5408	5331	5355	5302	5390	5438	5448	5438	5390	5302	5355	5331	5408	5401	5454		
30	4723	4700	4682	4631	4602	4623	4664	4689	4734	4689	4664	4623	4602	4631	4682	4700	4723		
35	3940	3867	3817	3790	3800	3758	3832	3830	3883	3830	3832	3758	3800	3790	3817	3867	3940		
40	2466	2369	2346	2327	2356	2358	2434	2384	2543	2384	2434	2358	2356	2327	2346	2369	2466		
45	1366	1397	1374	1363	1401	1426	1511	1496	1495	1496	1511	1426	1401	1363	1374	1397	1366		
50	901	887	870	878	893	943	960	912	910	912	960	943	893	878	870	887	901		
55	785	756	737	719	756	795	823	799	762	799	823	795	756	719	737	756	785		
60	682	664	654	636	660	688	724	704	683	704	724	688	660	636	654	664	682		
65	534	520	515	507	518	534	564	552	544	552	564	534	518	507	515	520	534		
70	298	294	309	293	301	302	317	314	322	314	317	302	301	293	309	294	298		
75	138	139	141	138	142	142	141	141	145	141	141	142	142	138	141	139	138		
80	66.9	68.6	66.2	63.0	64.5	64.2	65.0	63.3	65.6	63.3	65.0	64.2	64.5	63.0	66.2	68.6	66.9		
85	35.7	35.2	35.2	33.8	34.4	34.0	34.2	33.3	33.9	33.3	34.2	34.0	34.4	33.8	35.2	35.2	35.7		
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:2018-01-06

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: