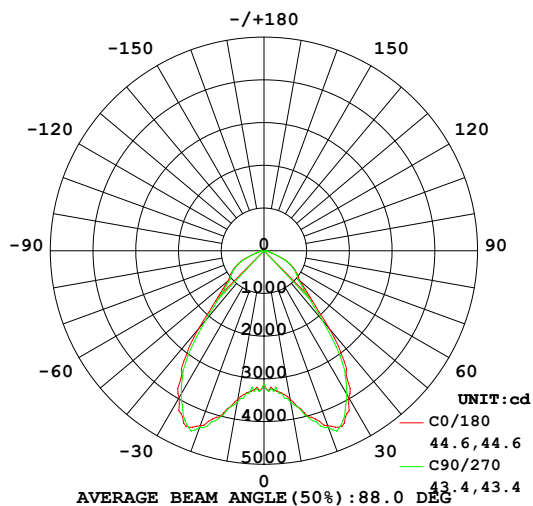


LUMINAIRE PHOTOMETRIC TEST REPORT

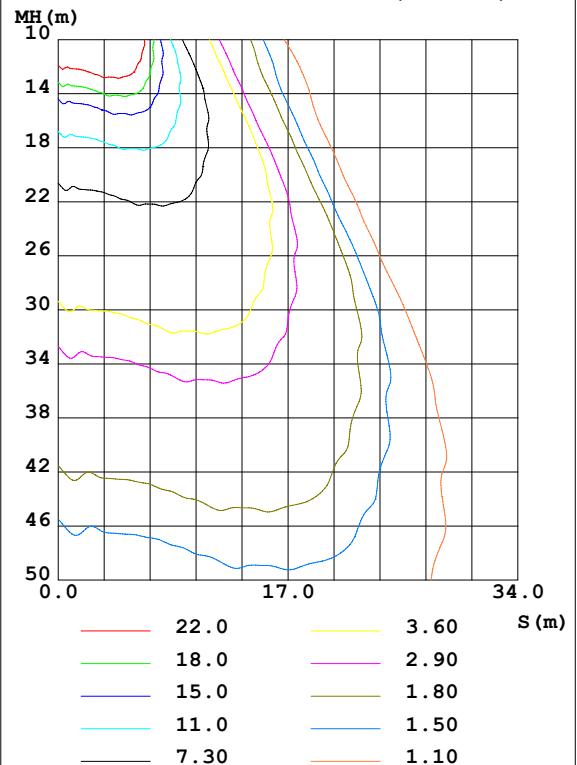
Test:U:220.1V I:0.2959A P:60.10W PF:0.9734 Freq:49.99Hz Lamp Flux:8085.81x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-120D-PC-ALL	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 134.54 lm/W			
MODEL	5050	I _{max} (cd)	4553	S/MH (C0/180)	1.28
NOMINAL POWER (W)	60	LOR (%)	100.0	S/MH (C90/270)	1.25
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	8085.8	η UP,DN (C0-180)	0.0,50.0
NOMINAL FLUX (lm)	8085.81	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:2018-01-05

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	3540	3595	3601	3595	3540	3595	3601	3595	0- 10	321.5	321.5	3.98,3.98
20	4361	4305	4391	4305	4361	4305	4391	4305	10- 20	1140	1462	18.1,18.1
30	3976	3850	3879	3850	3976	3850	3879	3850	20- 30	1966	3428	42.4,42.4
40	2378	2114	2132	2114	2378	2114	2132	2114	30- 40	1941	5369	66.4,66.4
50	1095	1047	1050	1047	1095	1047	1050	1047	40- 50	1118	6487	80.2,80.2
60	782.9	765.0	766.9	765.0	782.9	765.0	766.9	765.0	50- 60	808.5	7295	90.2,90.2
70	329.0	323.1	327.4	323.1	329.0	323.1	327.4	323.1	60- 70	556.9	7852	97.1,97.1
80	79.52	82.51	79.11	82.51	79.52	82.51	79.11	82.51	70- 80	180.8	8033	99.3,99.3
90	0	0	0	0	0	0	0	0	80- 90	52.96	8086	100,100
100	0	0	0	0	0	0	0	0	90-100	0	8086	100,100
110	0	0	0	0	0	0	0	0	100-110	0	8086	100,100
120	0	0	0	0	0	0	0	0	110-120	0	8086	100,100
130	0	0	0	0	0	0	0	0	120-130	0	8086	100,100
140	0	0	0	0	0	0	0	0	130-140	0	8086	100,100
150	0	0	0	0	0	0	0	0	140-150	0	8086	100,100
160	0	0	0	0	0	0	0	0	150-160	0	8086	100,100
170	0	0	0	0	0	0	0	0	160-170	0	8086	100,100
180	0	0	0	0	0	0	0	0	170-180	0	8086	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 6006.4 lm

%lum = 74.3%

%lamp = 74.3%

Conical surface Flux(120deg): 7295.1 lm

%lum = 90.2%

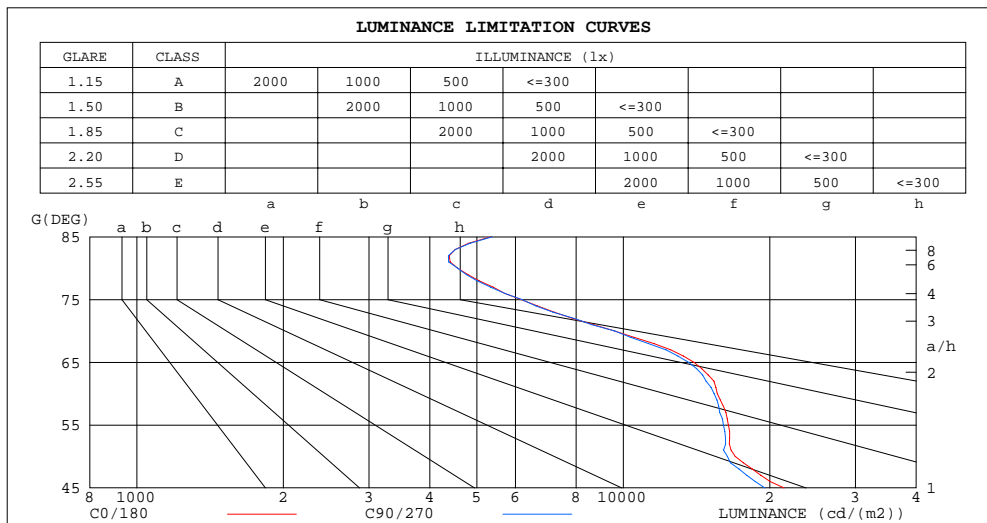
%lamp = 90.2%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-05

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:0.2959A P:60.10W PF:0.9734 Freq:49.99Hz Lamp Flux:8085.81x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-120D-PC-ALL	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	5341	5378
80	4564	4566
75	6163	6184
70	9587	9594
65	13968	13612
60	15606	15374
55	16438	16053
50	16980	16366
45	21398	19536

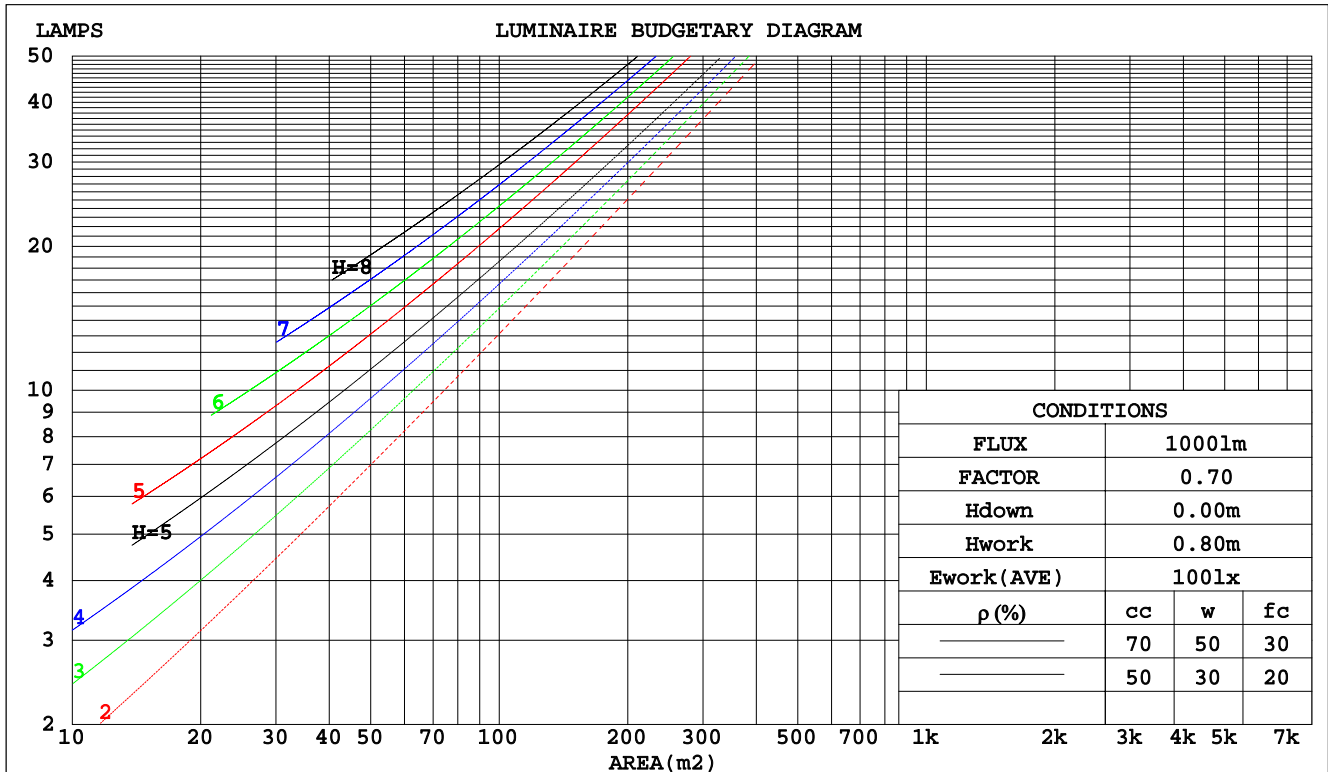
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-05

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:0.2959A P:60.10W PF:0.9734 Freq:49.99Hz Lamp Flux:8085.81x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-120D-PC-ALL	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	1.07	1.04	1.01	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.94	.92	.90	.89
2.0	.96	.91	.86	.95	.89	.85	.91	.87	.83	.88	.84	.81	.85	.82	.80	.78
3.0	.87	.80	.75	.85	.79	.74	.82	.77	.73	.80	.75	.71	.77	.74	.70	.68
4.0	.79	.71	.65	.77	.70	.65	.75	.69	.64	.73	.68	.63	.71	.66	.63	.61
5.0	.71	.64	.58	.70	.63	.58	.68	.62	.57	.66	.61	.57	.65	.60	.56	.54
6.0	.65	.57	.52	.64	.57	.52	.63	.56	.51	.61	.55	.51	.60	.54	.50	.49
7.0	.60	.52	.47	.59	.52	.47	.58	.51	.46	.56	.50	.46	.55	.50	.46	.44
8.0	.55	.48	.42	.55	.47	.42	.53	.47	.42	.52	.46	.42	.51	.46	.42	.40
9.0	.51	.44	.39	.50	.43	.39	.49	.43	.38	.48	.42	.38	.47	.42	.38	.36
10.0	.47	.40	.35	.47	.40	.35	.46	.40	.35	.45	.39	.35	.44	.39	.35	.33



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-05

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:0.2959A P:60.10W PF:0.9734 Freq:49.99Hz Lamp Flux:8085.81x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-120D-PC-ALL	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	.244	.139	.044	.237	.135	.043	.225	.129	.041	.213	.123	.039	.202	.117	.038		
2.0	.235	.129	.040	.229	.126	.039	.218	.121	.038	.208	.117	.036	.198	.112	.035		
3.0	.223	.118	.035	.217	.116	.035	.208	.112	.034	.199	.109	.033	.190	.105	.033		
4.0	.209	.109	.032	.205	.107	.032	.196	.104	.031	.188	.101	.031	.181	.098	.030		
5.0	.197	.100	.029	.193	.099	.029	.185	.096	.028	.178	.094	.028	.172	.092	.028		
6.0	.185	.093	.027	.182	.092	.026	.175	.090	.026	.169	.088	.026	.163	.086	.025		
7.0	.175	.086	.024	.172	.086	.024	.166	.084	.024	.160	.082	.024	.155	.080	.024		
8.0	.165	.081	.023	.162	.080	.023	.157	.078	.022	.152	.077	.022	.147	.075	.022		
9.0	.156	.076	.021	.154	.075	.021	.149	.074	.021	.144	.072	.021	.140	.071	.021		
10.0	.148	.071	.020	.146	.071	.020	.142	.069	.020	.137	.068	.019	.134	.067	.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	.176	.157	.140	.150	.135	.120	.103	.093	.083	.059	.054	.048	.019	.017	.016	
2.0	.165	.132	.105	.141	.114	.091	.097	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.155	.114	.081	.133	.098	.070	.091	.068	.049	.053	.040	.029	.017	.013	.010	
4.0	.147	.100	.064	.126	.086	.056	.087	.060	.039	.050	.035	.023	.016	.011	.008	
5.0	.140	.089	.052	.120	.077	.045	.083	.054	.032	.048	.032	.019	.015	.010	.006	
6.0	.133	.081	.043	.114	.070	.038	.079	.049	.027	.046	.029	.016	.015	.009	.005	
7.0	.126	.074	.036	.109	.064	.032	.075	.045	.023	.044	.026	.013	.014	.009	.004	
8.0	.120	.068	.031	.104	.059	.027	.072	.041	.019	.042	.024	.012	.014	.008	.004	
9.0	.115	.063	.027	.099	.054	.024	.069	.038	.017	.040	.023	.010	.013	.007	.003	
10.0	.110	.058	.024	.095	.051	.021	.066	.036	.015	.038	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-05

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:0.2959A P:60.10W PF:0.9734 Freq:49.99Hz Lamp Flux:8085.81x1 lm											
NAME: AOK-oH					TYPE:LED			WEIGHT:2.9KG			
SPEC.:AOK-60WoH-5050-120D-PC-ALL					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	14.4	15.7	14.7	15.9	16.1	14.3	15.6	14.6	15.8	16.0	
	3H	15.2	16.3	15.4	16.6	16.8	15.1	16.3	15.3	16.5	16.7
	4H	15.2	16.4	15.5	16.6	16.9	15.2	16.3	15.5	16.5	16.8
	6H	15.3	16.3	15.6	16.6	16.8	15.2	16.2	15.5	16.5	16.7
	8H	15.2	16.3	15.6	16.5	16.8	15.2	16.2	15.5	16.4	16.7
	12H	15.2	16.2	15.6	16.5	16.8	15.2	16.1	15.5	16.4	16.7
4H	2H	14.8	15.9	15.1	16.2	16.4	14.7	15.8	15.0	16.1	16.3
	3H	15.6	16.6	15.9	16.9	17.2	15.5	16.5	15.9	16.8	17.1
	4H	15.7	16.6	16.1	16.9	17.3	15.7	16.6	16.0	16.9	17.2
	6H	15.8	16.6	16.2	16.9	17.3	15.7	16.5	16.1	16.9	17.2
	8H	15.8	16.5	16.2	16.9	17.3	15.7	16.5	16.1	16.8	17.2
	12H	15.8	16.5	16.3	16.9	17.3	15.8	16.4	16.2	16.8	17.2
8H	4H	15.7	16.5	16.2	16.8	17.2	15.7	16.4	16.1	16.8	17.1
	6H	15.9	16.5	16.3	16.9	17.3	15.8	16.4	16.2	16.8	17.2
	8H	15.9	16.4	16.4	16.8	17.3	15.8	16.3	16.3	16.8	17.2
	12H	16.0	16.4	16.4	16.9	17.3	15.9	16.3	16.4	16.8	17.3
12H	4H	15.7	16.4	16.1	16.8	17.2	15.6	16.3	16.1	16.7	17.1
	6H	15.8	16.4	16.3	16.8	17.2	15.8	16.3	16.2	16.7	17.2
	8H	15.9	16.4	16.4	16.8	17.3	15.8	16.3	16.3	16.7	17.2
Variations with the observer position at spacings:											
S = 1.0H	+ 0.7 / - 0.8					+ 0.6 / - 0.8					
1.5H	+ 1.3 / - 0.6					+ 1.2 / - 0.5					
2.0H	+ 0.6 / - 0.8					+ 0.3 / - 0.8					

CIE Pub.117, 8086 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 7.3$)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-05

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:0.2959A P:60.10W PF:0.9734 Freq:49.99Hz Lamp Flux:8085.81x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-120D-PC-ALL	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:

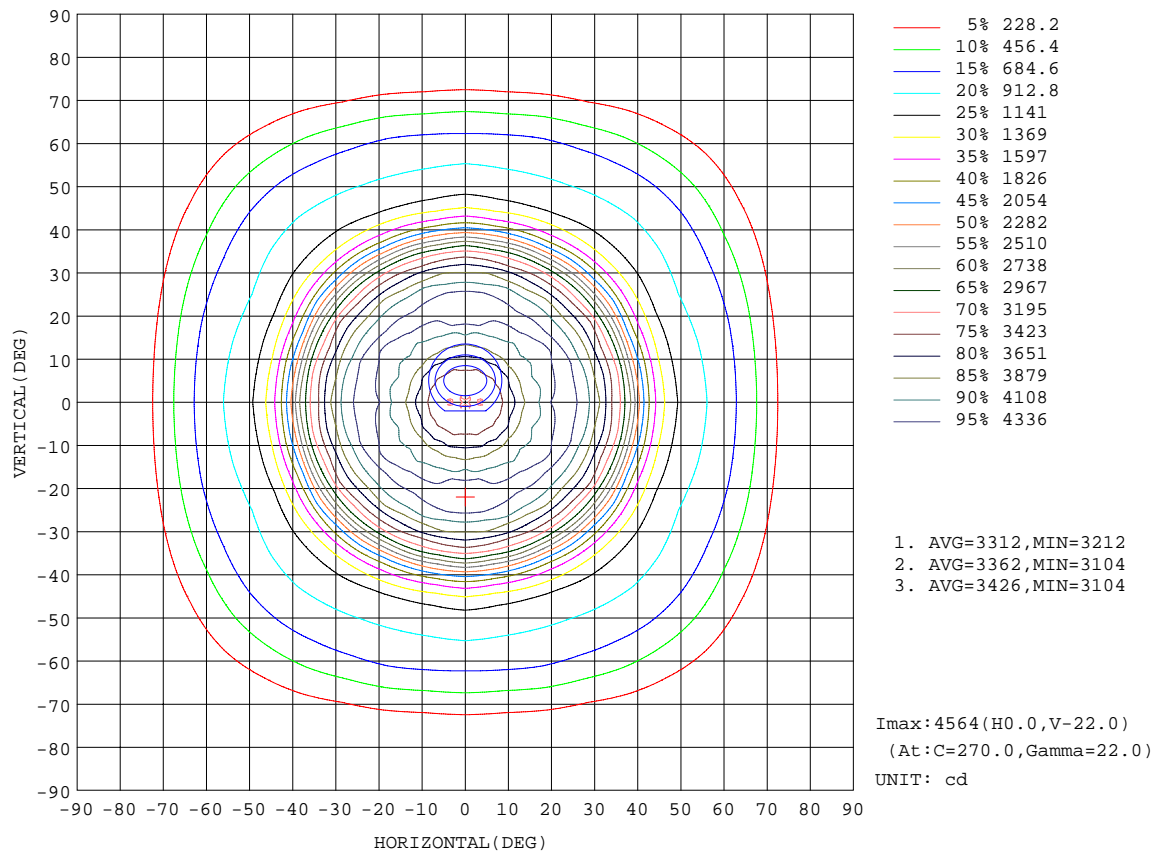
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	71	61	56	70	61	56	69	61	55	50
0.80	80	71	65	79	70	65	77	70	65	59
1.00	87	78	73	86	78	72	84	78	72	66
1.25	93	85	79	91	84	79	89	83	78	72
1.50	97	89	84	95	88	84	93	87	82	76
2.00	102	95	91	100	94	90	97	92	88	82
2.50	105	99	94	103	97	93	99	95	91	84
3.00	107	102	98	105	100	97	101	98	95	87
4.00	110	106	102	108	104	101	104	101	98	90
5.00	112	108	105	110	106	104	105	103	101	92
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-05

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:0.2959A P:60.10W PF:0.9734 Freq:49.99Hz Lamp Flux:8085.81x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-120D-PC-ALL	DIM.: $\phi 0.248 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16\text{M}$	Shielding Angle:

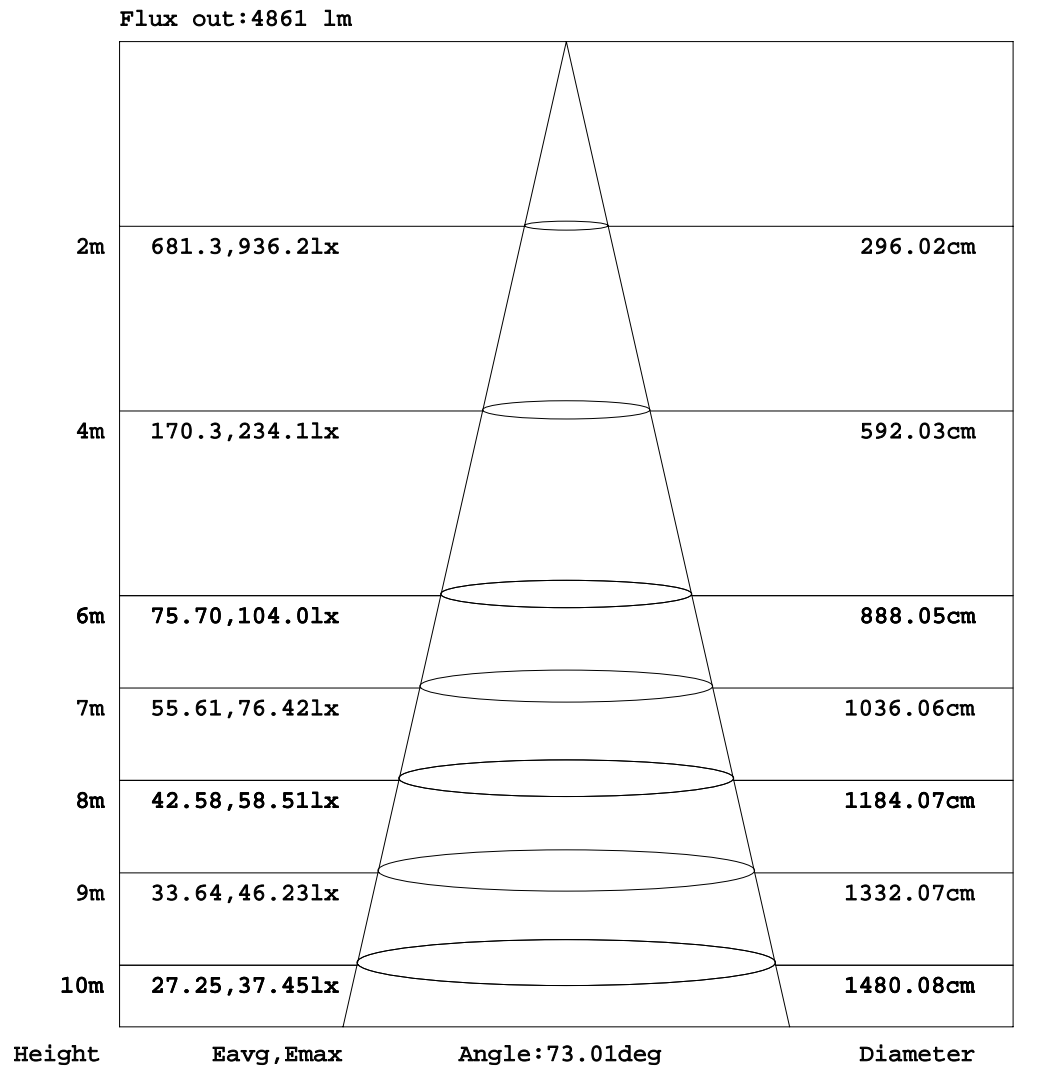


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-01-05

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:0.2959A P:60.10W PF:0.9734 Freq:49.99Hz Lamp Flux:8085.81x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-120D-PC-ALL	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:



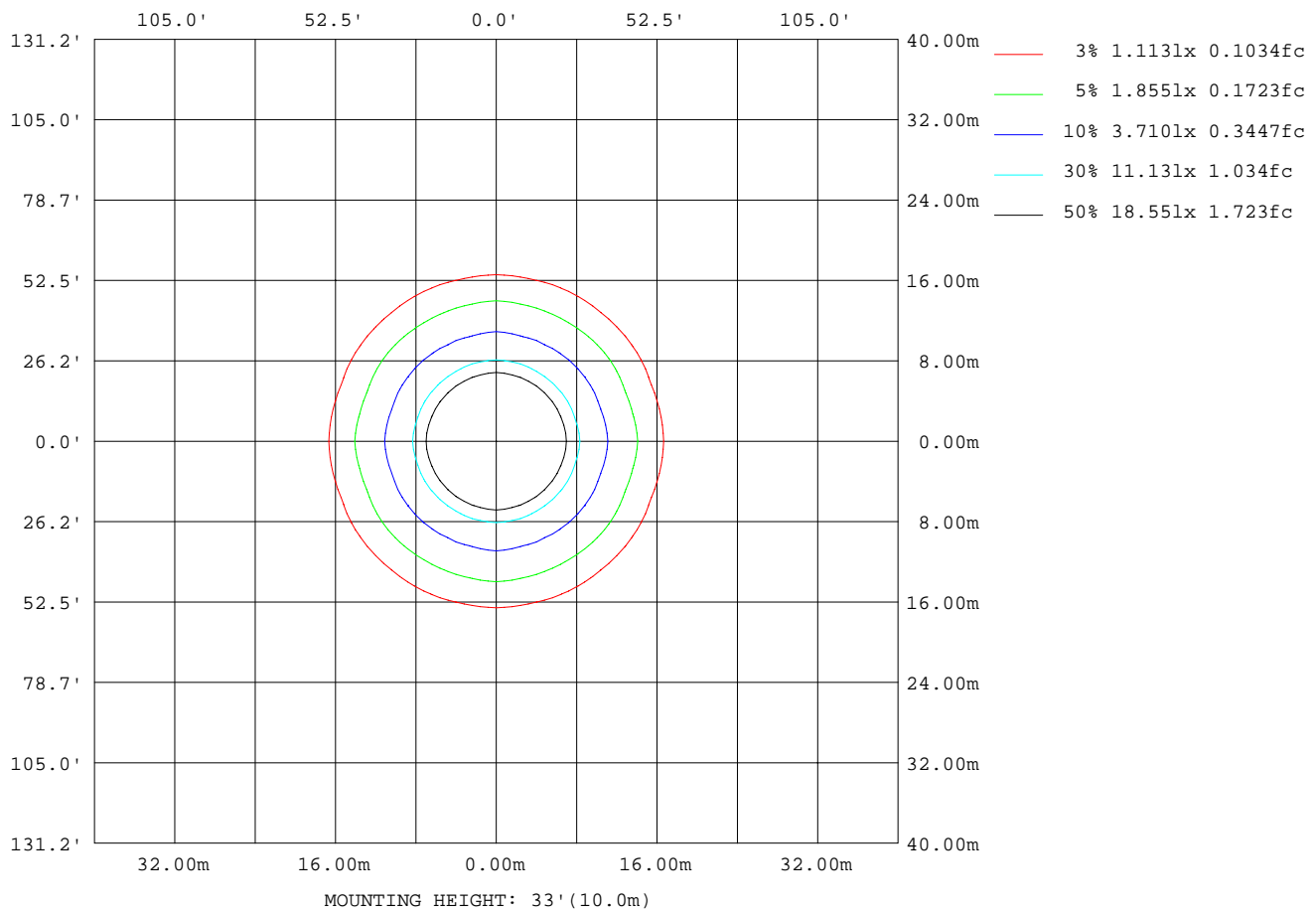
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-05

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:0.2959A P:60.10W PF:0.9734 Freq:49.99Hz Lamp Flux:8085.81x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60Woh-5050-120D-PC-ALL	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:2018-01-05

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:0.2959A P:60.10W PF:0.9734 Freq:49.99Hz Lamp Flux:8085.81x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-120D-PC-ALL	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

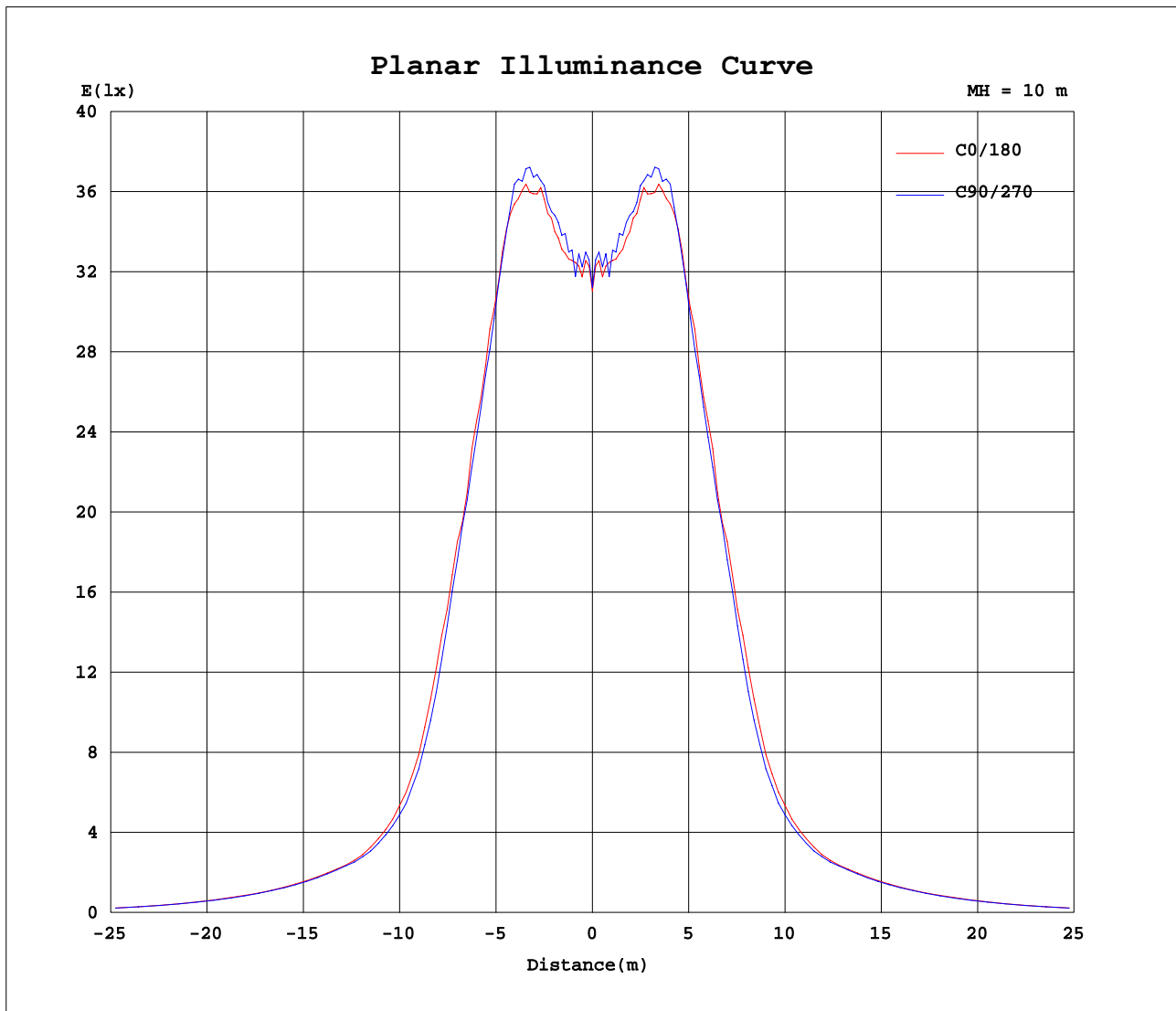
AvgL	cd/m2
L_0~180 (65) av	14015
L_0~180 (75) av	6183
L_0~180 (85) av	5359
L_90~270 (65) av	13580
L_90~270 (75) av	6170
L_90~270 (85) av	5366
L_45 (65) av	13635
L_45 (75) av	6182
L_45 (85) av	5419

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-05

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:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-01-05

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:0.2959A P:60.10W PF:0.9734 Freq:49.99Hz Lamp Flux:8085.81x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-120D-PC-ALL	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	3114	3114	3114	3114	3114	3114	3114	3114	3114	3114	3114	3114	3114	3114	3114	3114	3114	3114	3114
5	3294	3278	3252	3229	3241	3238	3286	3219	3216	3205	3216	3219	3286	3238	3241	3229	3252	3278	3294
10	3540	3559	3565	3575	3604	3586	3593	3573	3586	3601	3586	3573	3593	3586	3604	3575	3565	3559	3540
15	4032	3997	4005	3991	3940	4004	3950	3938	4031	4046	4031	3938	3950	4004	3940	3991	4005	3997	4032
20	4361	4277	4287	4209	4283	4326	4297	4334	4426	4391	4426	4334	4297	4326	4283	4209	4287	4277	4361
25	4449	4421	4381	4355	4308	4317	4266	4328	4389	4384	4389	4328	4266	4317	4308	4355	4381	4421	4449
30	3976	3935	3946	3905	3820	3881	3804	3826	3899	3879	3899	3826	3804	3881	3820	3905	3946	3935	3976
35	3381	3336	3235	3230	3122	3134	3144	3137	3161	3198	3161	3137	3144	3134	3122	3230	3235	3336	3381
40	2378	2270	2169	2198	2113	2114	2058	2079	2101	2132	2101	2079	2058	2114	2113	2198	2169	2270	2378
45	1518	1448	1432	1419	1383	1374	1364	1356	1323	1378	1323	1356	1364	1374	1383	1419	1432	1448	1518
50	1095	1044	1020	1044	1052	1041	1014	1021	1023	1050	1023	1021	1014	1041	1052	1044	1020	1044	1095
55	946	919	884	910	916	902	891	895	904	919	904	895	891	902	916	910	884	919	946
60	783	778	757	773	762	768	764	775	759	767	759	775	764	768	762	773	757	778	783
65	592	587	564	579	578	575	574	588	573	574	573	588	574	575	578	579	564	587	592
70	329	319	310	320	321	325	315	320	313	327	313	320	315	325	321	320	310	319	329
75	160	159	157	161	160	159	154	156	155	160	155	156	154	159	160	161	157	159	160
80	79.5	79.9	80.0	83.0	82.3	82.7	79.2	79.4	77.4	79.1	77.4	79.4	79.2	82.7	82.3	83.0	80.0	79.9	79.5
85	46.7	46.7	46.7	47.2	47.1	47.4	46.9	47.0	46.4	46.8	46.4	47.0	46.9	47.4	47.1	47.2	46.7	46.7	46.7
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	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:2018-01-05

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:0.2959A P:60.10W PF:0.9734 Freq:49.99Hz Lamp Flux:8085.81x1 lm																	
NAME: AOK-oH									TYPE:LED						WEIGHT:2.9KG		
SPEC.:AOK-60WoH-5050-120D-PC-ALL									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	3114	3114	3114	3114	3114	3114	3114	3114	3114	3114	3114	3114	3114	3114	3114	3114	3114		
5	3278	3252	3229	3241	3238	3286	3219	3216	3205	3216	3219	3286	3238	3241	3229	3252	3278		
10	3559	3565	3575	3604	3586	3593	3573	3586	3601	3586	3573	3593	3586	3604	3575	3565	3559		
15	3997	4005	3991	3940	4004	3950	3938	4031	4046	4031	3938	3950	4004	3940	3991	4005	3997		
20	4277	4287	4209	4283	4326	4297	4334	4426	4391	4426	4334	4297	4326	4283	4209	4287	4277		
25	4421	4381	4355	4308	4317	4266	4328	4389	4384	4389	4328	4266	4317	4308	4355	4381	4421		
30	3935	3946	3905	3820	3881	3804	3826	3899	3879	3899	3826	3804	3881	3820	3905	3946	3935		
35	3336	3235	3230	3122	3134	3144	3137	3161	3198	3161	3137	3144	3134	3122	3230	3235	3336		
40	2270	2169	2198	2113	2114	2058	2079	2101	2132	2101	2079	2058	2114	2113	2198	2169	2270		
45	1448	1432	1419	1383	1374	1364	1356	1323	1378	1323	1356	1364	1374	1383	1419	1432	1448		
50	1044	1020	1044	1052	1041	1014	1021	1023	1050	1023	1021	1014	1041	1052	1044	1020	1044		
55	919	884	910	916	902	891	895	904	919	904	895	891	902	916	910	884	919		
60	778	757	773	762	768	764	775	759	767	759	775	764	768	762	773	757	778		
65	587	564	579	578	575	574	588	573	574	573	588	574	575	578	579	564	587		
70	319	310	320	321	325	315	320	313	327	313	320	315	325	321	320	310	319		
75	159	157	161	160	159	154	156	155	160	155	156	154	159	160	161	157	159		
80	79.9	80.0	83.0	82.3	82.7	79.2	79.4	77.4	79.1	77.4	79.4	79.2	82.7	82.3	83.0	80.0	79.9		
85	46.7	46.7	47.2	47.1	47.4	46.9	47.0	46.4	46.8	46.4	47.0	46.9	47.4	47.1	47.2	46.7	46.7		
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:2018-01-05

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: