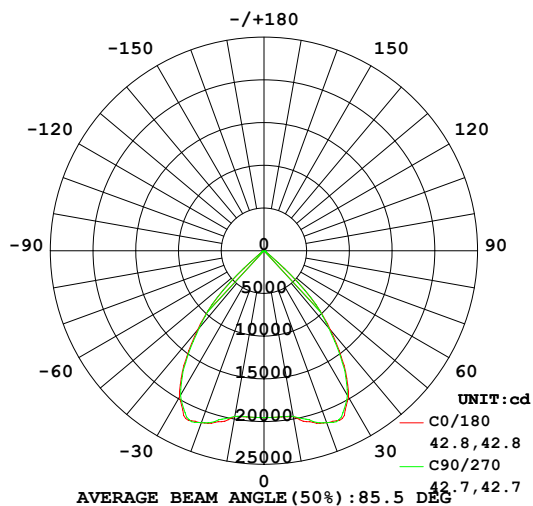


LUMINAIRE PHOTOMETRIC TEST REPORT

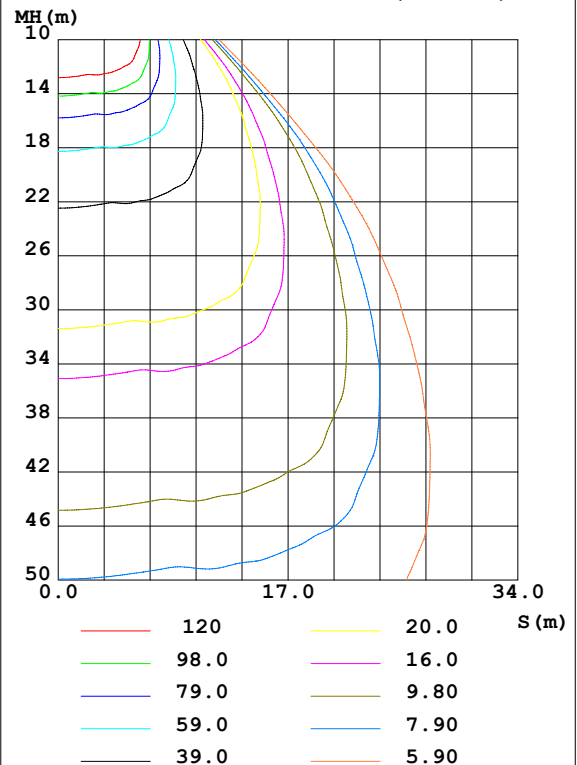
Test:U:220.0V I:0.9590A P:200.1W PF:0.9741 Freq:49.99Hz Lamp Flux:33870.6x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200Woh-5050-90D-PC	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 169.27 lm/W			
MODEL	5050	I _{max} (cd)	21887	S/MH (C0/180)	1.23
NOMINAL POWER (W)	200	LOR (%)	100.0	S/MH (C90/270)	1.22
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	33871	η UP,DN (C0-180)	0.0,50.0
NOMINAL FLUX (lm)	33870.6	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,50.0
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	1.30

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	1972	1978	1970	1978	1972	1978	1970	1978	0- 10	1871	1871	5.52,5.52
20	2141	2148	2141	2148	2141	2148	2141	2148	10- 20	5917	7788	23,23
30	1980	1968	1954	1968	1980	1968	1954	1968	20- 30	9749	17537	51.8,51.8
40	1203	1171	1182	1171	1203	1171	1182	1171	30- 40	9872	27409	80.9,80.9
50	212.8	193.1	214.7	193.1	212.8	193.1	214.7	193.1	40- 50	5507	32916	97.2,97.2
60	27.74	26.09	26.35	26.09	27.74	26.09	26.35	26.09	50- 60	570.0	33486	98.9,98.9
70	16.49	15.77	15.74	15.77	16.49	15.77	15.74	15.77	60- 70	201.2	33687	99.5,99.5
80	8.571	8.293	8.310	8.293	8.571	8.293	8.310	8.293	70- 80	127.6	33815	99.8,99.8
90	0	0	0	0	0	0	0	0	80- 90	55.55	33871	100,100
100	0	0	0	0	0	0	0	0	90-100	0	33871	100,100
110	0	0	0	0	0	0	0	0	100-110	0	33871	100,100
120	0	0	0	0	0	0	0	0	110-120	0	33871	100,100
130	0	0	0	0	0	0	0	0	120-130	0	33871	100,100
140	0	0	0	0	0	0	0	0	130-140	0	33871	100,100
150	0	0	0	0	0	0	0	0	140-150	0	33871	100,100
160	0	0	0	0	0	0	0	0	150-160	0	33871	100,100
170	0	0	0	0	0	0	0	0	160-170	0	33871	100,100
180	0	0	0	0	0	0	0	0	170-180	0	33871	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 31027 lm

%lum = 91.6%

%lamp = 91.6%

Conical surface Flux(120deg): 33486 lm

%lum = 98.9%

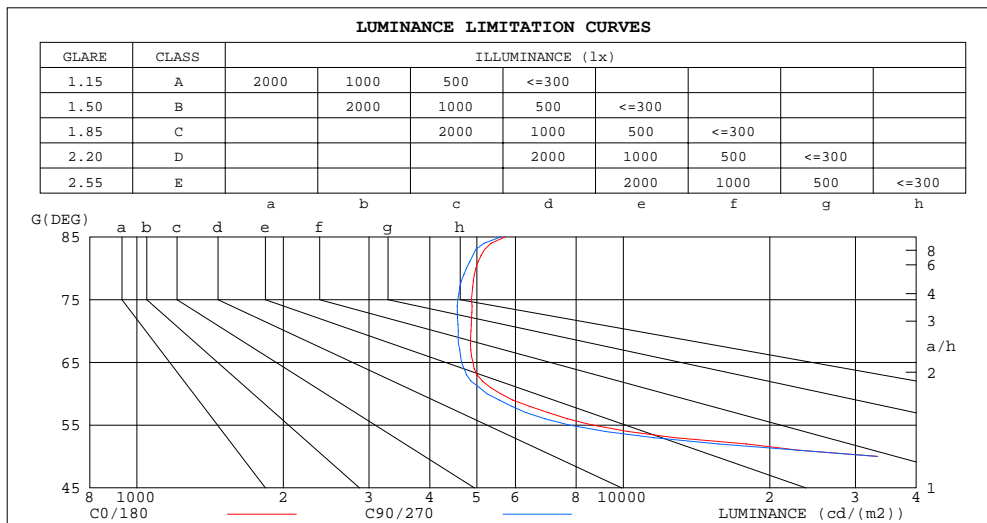
%lamp = 98.9%

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:

LUMINANCE LIMITATION CURVES

Test:U:220.0V I:0.9590A P:200.1W PF:0.9741 Freq:49.99Hz Lamp Flux:33870.6x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200Woh-5050-90D-PC	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	5723	5612
80	4977	4760
75	4874	4570
70	4862	4577
65	4908	4650
60	5594	5241
55	8643	7747
50	33373	33220
45	109761	109108

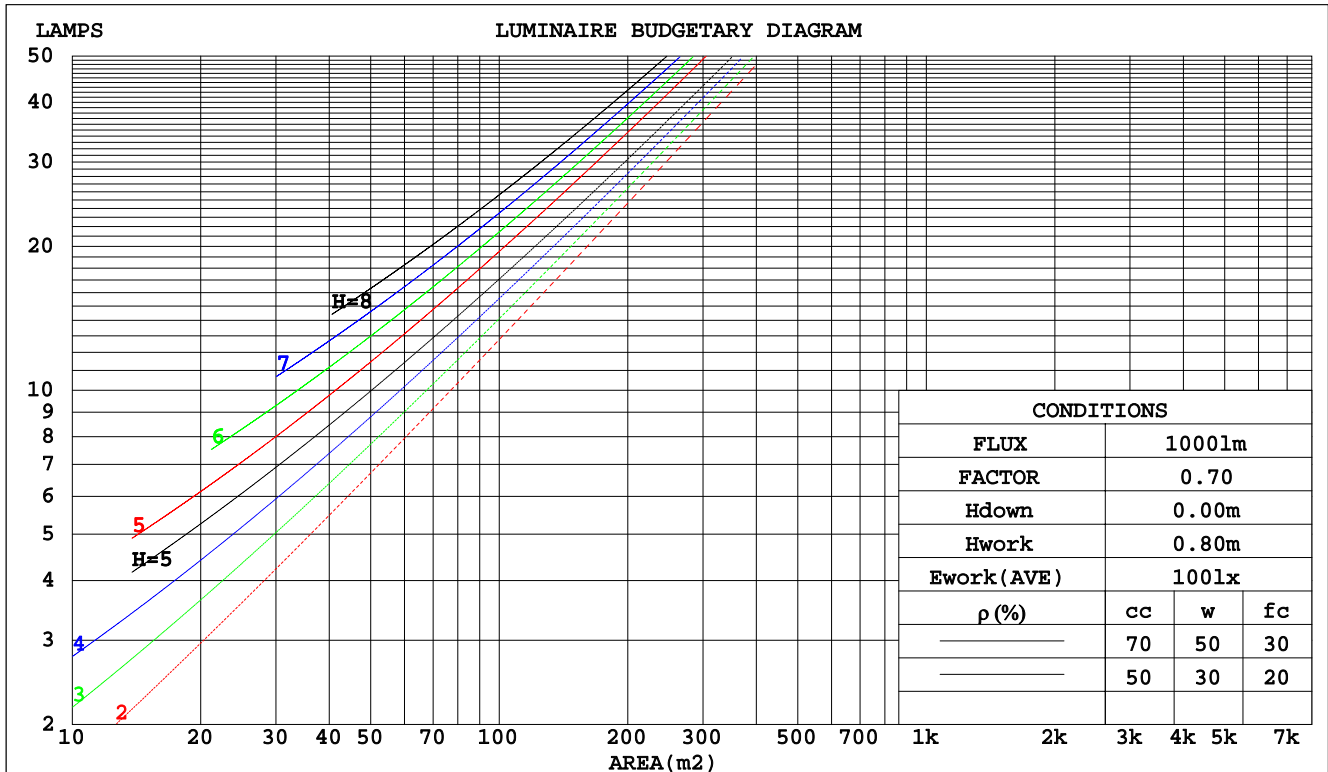
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-05

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.0V I:0.9590A P:200.1W PF:0.9741 Freq:49.99Hz Lamp Flux:33870.6x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-5050-90D-PC	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	.00
1.0	1.10	1.07	1.04	1.07	1.05	1.03	1.03	1.01	.99	.99	.98	.96	.96	.95	.94	.92
2.0	1.00	.96	.92	.99	.95	.91	.95	.92	.89	.92	.90	.87	.90	.87	.85	.83
3.0	.92	.87	.82	.91	.86	.81	.88	.84	.80	.86	.82	.79	.83	.80	.77	.76
4.0	.85	.78	.74	.84	.78	.73	.81	.76	.72	.79	.75	.71	.77	.74	.71	.69
5.0	.78	.71	.66	.77	.71	.66	.75	.70	.66	.73	.69	.65	.72	.68	.64	.63
6.0	.72	.65	.60	.71	.65	.60	.70	.64	.60	.68	.63	.59	.67	.62	.59	.57
7.0	.67	.60	.55	.66	.59	.55	.65	.59	.54	.63	.58	.54	.62	.57	.54	.52
8.0	.62	.55	.50	.61	.55	.50	.60	.54	.50	.59	.54	.50	.58	.53	.49	.48
9.0	.57	.51	.46	.57	.50	.46	.56	.50	.46	.55	.50	.46	.54	.49	.46	.44
10.0	.54	.47	.43	.53	.47	.42	.52	.46	.42	.51	.46	.42	.51	.46	.42	.41



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:220.0V I:0.9590A P:200.1W PF:0.9741 Freq:49.99Hz Lamp Flux:33870.6x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-5050-90D-PC	DIM.: ϕ 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.202	.115	.036	.195	.111	.035	.182	.104	.033	.170	.098	.032	.160	.093	.030	
2.0	.195	.107	.033	.190	.104	.032	.179	.099	.031	.169	.095	.030	.160	.090	.028	
3.0	.187	.100	.030	.182	.098	.029	.173	.094	.029	.164	.090	.028	.156	.087	.027	
4.0	.179	.093	.027	.175	.091	.027	.167	.088	.026	.159	.085	.026	.152	.083	.025	
5.0	.171	.087	.025	.167	.086	.025	.160	.083	.025	.153	.081	.024	.147	.079	.024	
6.0	.163	.082	.023	.160	.081	.023	.154	.079	.023	.148	.077	.023	.142	.075	.022	
7.0	.156	.077	.022	.153	.076	.022	.147	.074	.021	.142	.073	.021	.137	.071	.021	
8.0	.149	.073	.020	.146	.072	.020	.141	.071	.020	.136	.069	.020	.132	.068	.020	
9.0	.142	.069	.019	.140	.068	.019	.135	.067	.019	.131	.066	.019	.127	.064	.019	
10.0	.136	.065	.018	.134	.065	.018	.130	.064	.018	.126	.063	.018	.122	.062	.018	

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	.143	.148	.135	.123	.101	.093	.085	.058	.054	.049	.019	.017	.016	
2.0	.159	.132	.110	.137	.114	.095	.094	.079	.066	.054	.046	.039	.017	.015	.013	
3.0	.149	.114	.086	.127	.098	.075	.087	.068	.052	.051	.040	.031	.016	.013	.010	
4.0	.140	.099	.069	.120	.086	.060	.082	.060	.042	.048	.035	.025	.015	.011	.008	
5.0	.132	.088	.056	.113	.076	.049	.078	.053	.034	.045	.031	.020	.015	.010	.007	
6.0	.125	.079	.046	.108	.069	.040	.074	.048	.029	.043	.028	.017	.014	.009	.006	
7.0	.119	.072	.039	.103	.062	.034	.071	.044	.024	.041	.026	.014	.013	.008	.005	
8.0	.114	.066	.033	.098	.057	.029	.068	.040	.021	.039	.024	.012	.013	.008	.004	
9.0	.109	.061	.029	.094	.053	.025	.065	.037	.018	.038	.022	.011	.012	.007	.004	
10.0	.104	.057	.025	.090	.049	.022	.062	.035	.016	.036	.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:220.0V I:0.9590A P:200.1W PF:0.9741 Freq:49.99Hz Lamp Flux:33870.6x1 lm										
NAME: AOK-oH					TYPE:LED			WEIGHT:6.0KG		
SPEC.:AOK-200WoH-5050-90D-PC					DIM.: ϕ 0.4*0.141M			SERIAL No.:1		
MFR.: AOK					SUR.: ϕ 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	12.6	13.7	12.8	13.9	14.1	12.4	13.5	12.6	13.7	13.8
3H	12.4	13.4	12.7	13.6	13.9	12.2	13.2	12.5	13.4	13.6
4H	12.3	13.3	12.6	13.5	13.8	12.1	13.1	12.4	13.3	13.5
6H	12.3	13.2	12.6	13.4	13.7	12.0	12.9	12.3	13.2	13.4
8H	12.2	13.1	12.5	13.3	13.6	12.0	12.9	12.3	13.1	13.4
12H	12.2	13.0	12.5	13.3	13.6	12.0	12.8	12.3	13.1	13.3
4H 2H	12.3	13.3	12.6	13.5	13.7	12.1	13.1	12.4	13.3	13.5
3H	12.2	13.0	12.5	13.3	13.5	11.9	12.8	12.3	13.0	13.3
4H	12.1	12.8	12.4	13.1	13.4	11.9	12.6	12.2	12.9	13.2
6H	12.0	12.7	12.4	13.0	13.4	11.8	12.5	12.2	12.8	13.1
8H	12.0	12.6	12.4	12.9	13.3	11.8	12.4	12.2	12.7	13.1
12H	12.0	12.5	12.4	12.9	13.3	11.7	12.3	12.1	12.7	13.0
8H 4H	12.0	12.6	12.4	12.9	13.3	11.7	12.3	12.1	12.7	13.1
6H	11.9	12.4	12.3	12.8	13.2	11.7	12.2	12.1	12.6	13.0
8H	11.9	12.3	12.3	12.7	13.2	11.7	12.1	12.1	12.5	12.9
12H	11.8	12.2	12.3	12.7	13.1	11.6	12.0	12.1	12.4	12.9
12H 4H	11.9	12.5	12.3	12.8	13.2	11.7	12.2	12.1	12.6	13.0
6H	11.9	12.3	12.3	12.7	13.1	11.6	12.1	12.1	12.5	12.9
8H	11.8	12.2	12.3	12.6	13.1	11.6	12.0	12.1	12.4	12.9
Variations with the observer position at spacings:										
S = 1.0H	+ 2.4 / -10.7					+ 2.6 / -10.8				
1.5H	+ 3.6 / -11.1					+ 3.6 / -11.3				
2.0H	+ 7.4 / - 8.1					+ 7.5 / - 8.3				

CIE Pub.117, 33871 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 12.2$)

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:

UTILIZATION FACTORS TABLE

Test:U:220.0V I:0.9590A P:200.1W PF:0.9741 Freq:49.99Hz Lamp Flux:33870.6x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-5050-90D-PC	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

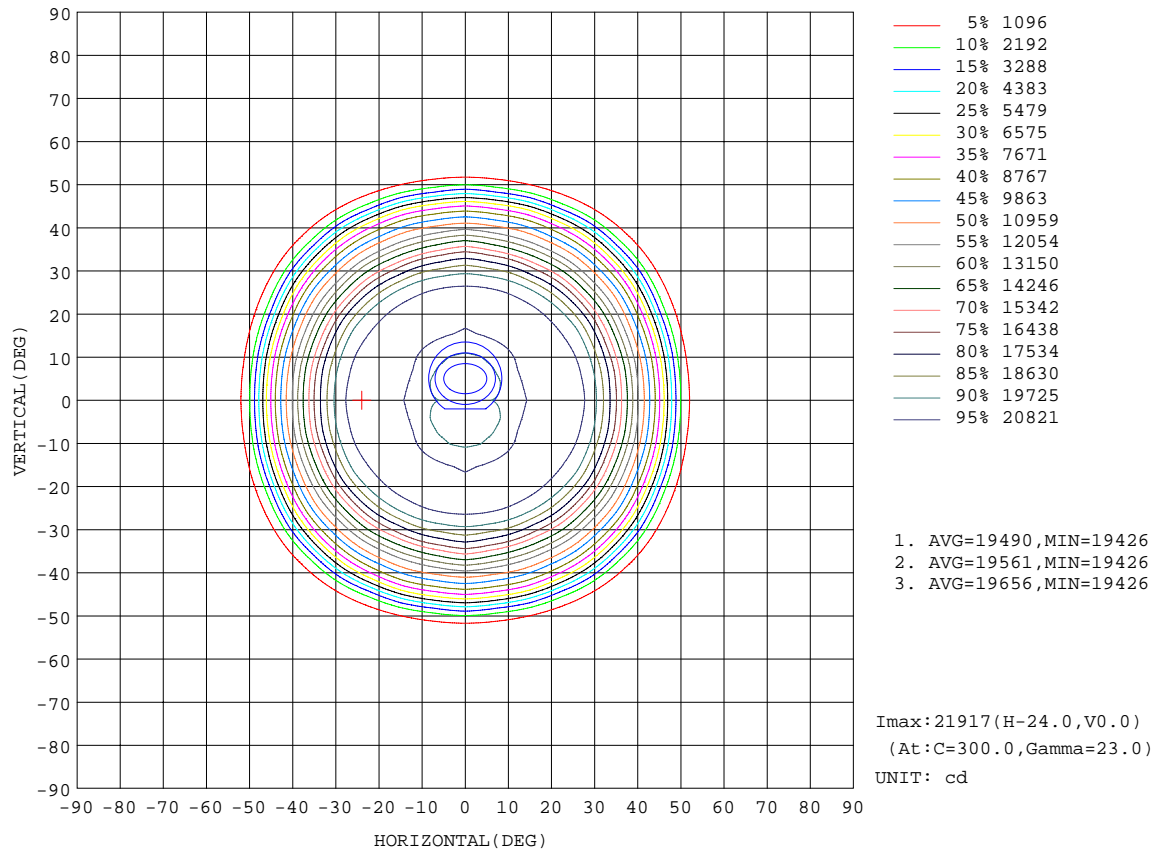
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	80	72	67	79	72	67	78	71	67	63
0.80	88	81	76	88	81	76	86	80	76	71
1.00	94	88	83	93	87	83	92	87	82	78
1.25	99	93	89	98	93	89	96	91	88	83
1.50	103	97	93	101	96	93	99	95	91	86
2.00	106	102	98	105	100	97	102	98	96	90
2.50	108	104	100	107	103	99	103	100	98	91
3.00	110	106	103	108	105	102	105	102	100	93
4.00	112	109	106	110	107	105	107	104	102	95
5.00	114	111	109	112	109	107	107	106	104	96
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:2018-01-05

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:220.0V I:0.9590A P:200.1W PF:0.9741 Freq:49.99Hz Lamp Flux:33870.6x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-5050-90D-PC	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

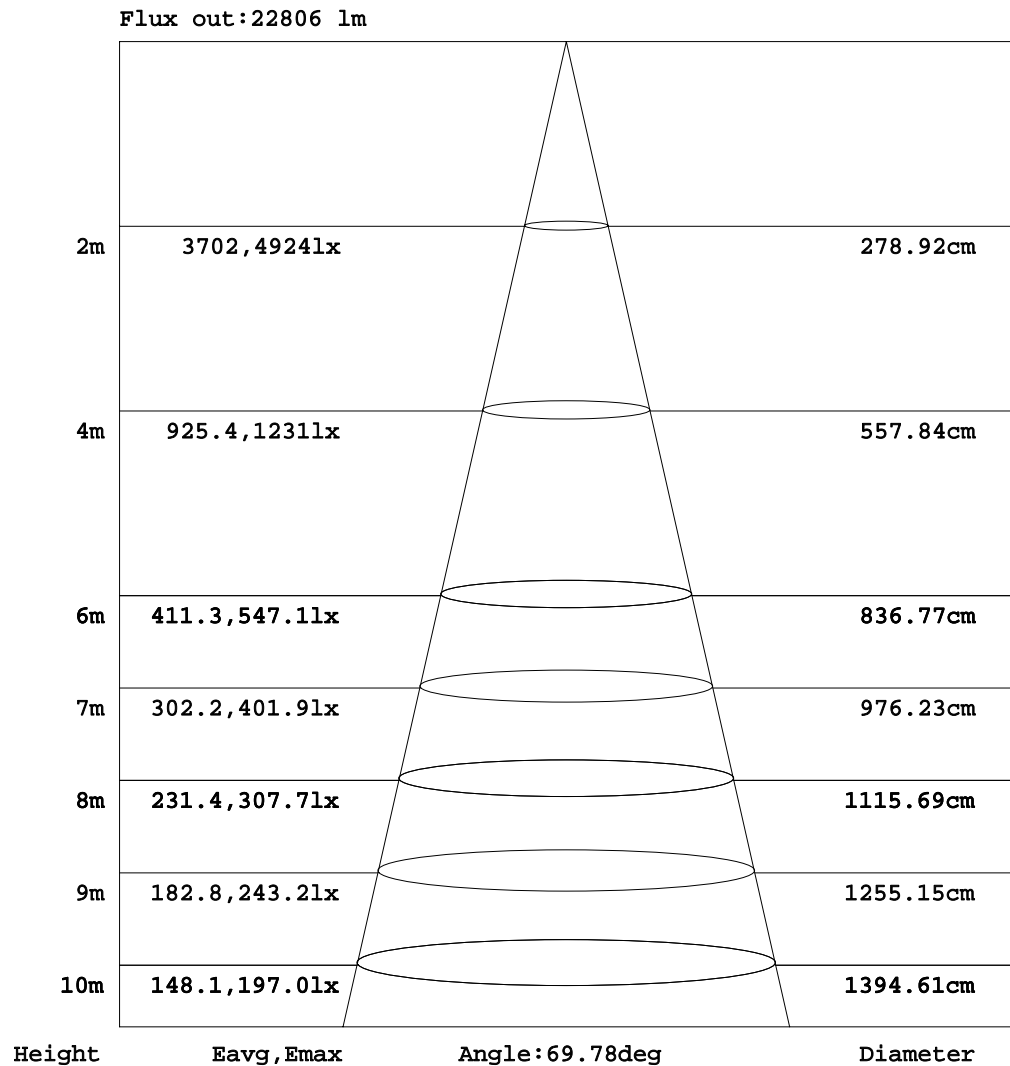


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-05

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:220.0V I:0.9590A P:200.1W PF:0.9741 Freq:49.99Hz Lamp Flux:33870.6x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200Woh-5050-90D-PC	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:



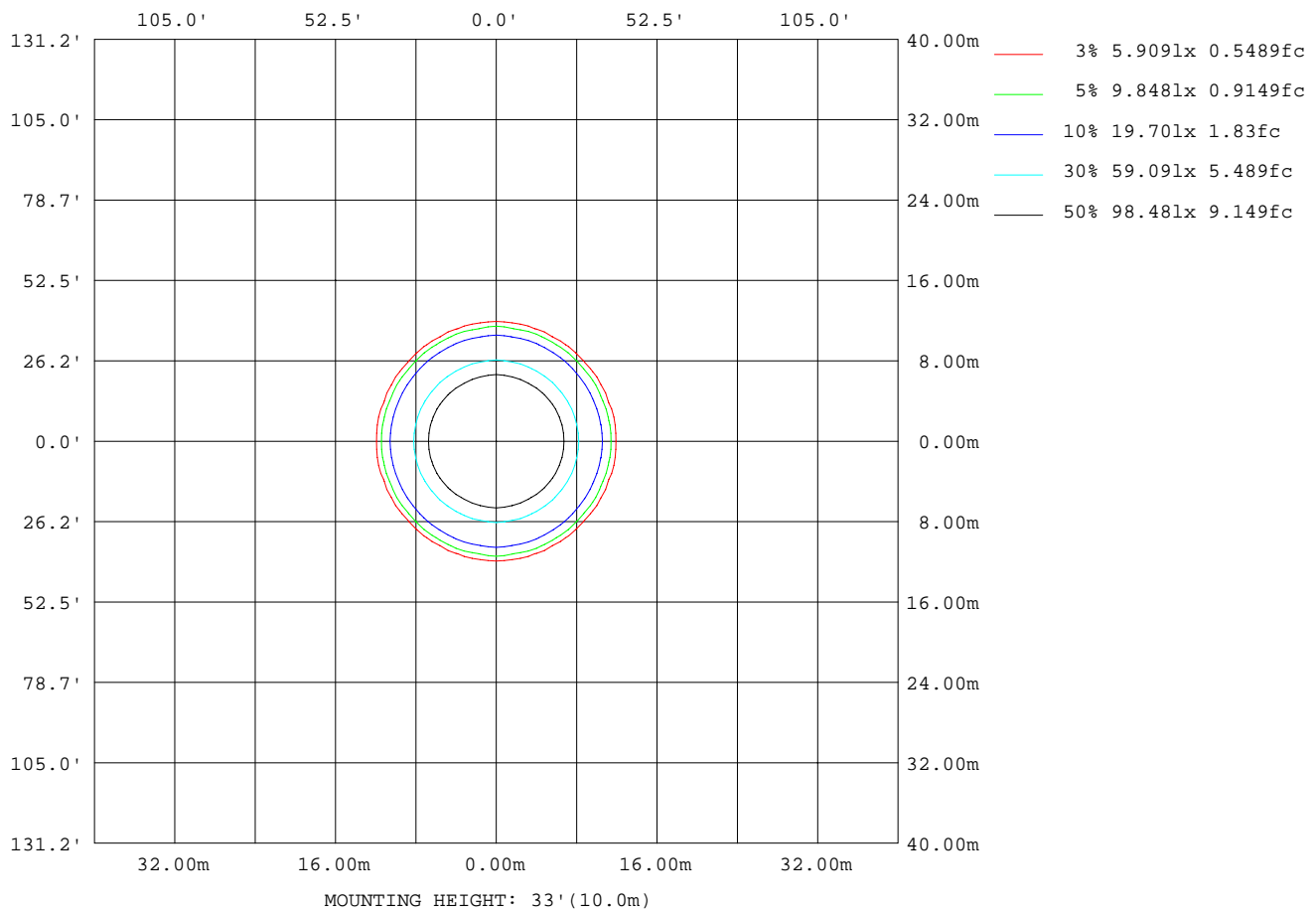
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 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:220.0V I:0.9590A P:200.1W PF:0.9741 Freq:49.99Hz Lamp Flux:33870.6x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200Woh-5050-90D-PC	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: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:220.0V I:0.9590A P:200.1W PF:0.9741 Freq:49.99Hz Lamp Flux:33870.6x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-5050-90D-PC	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

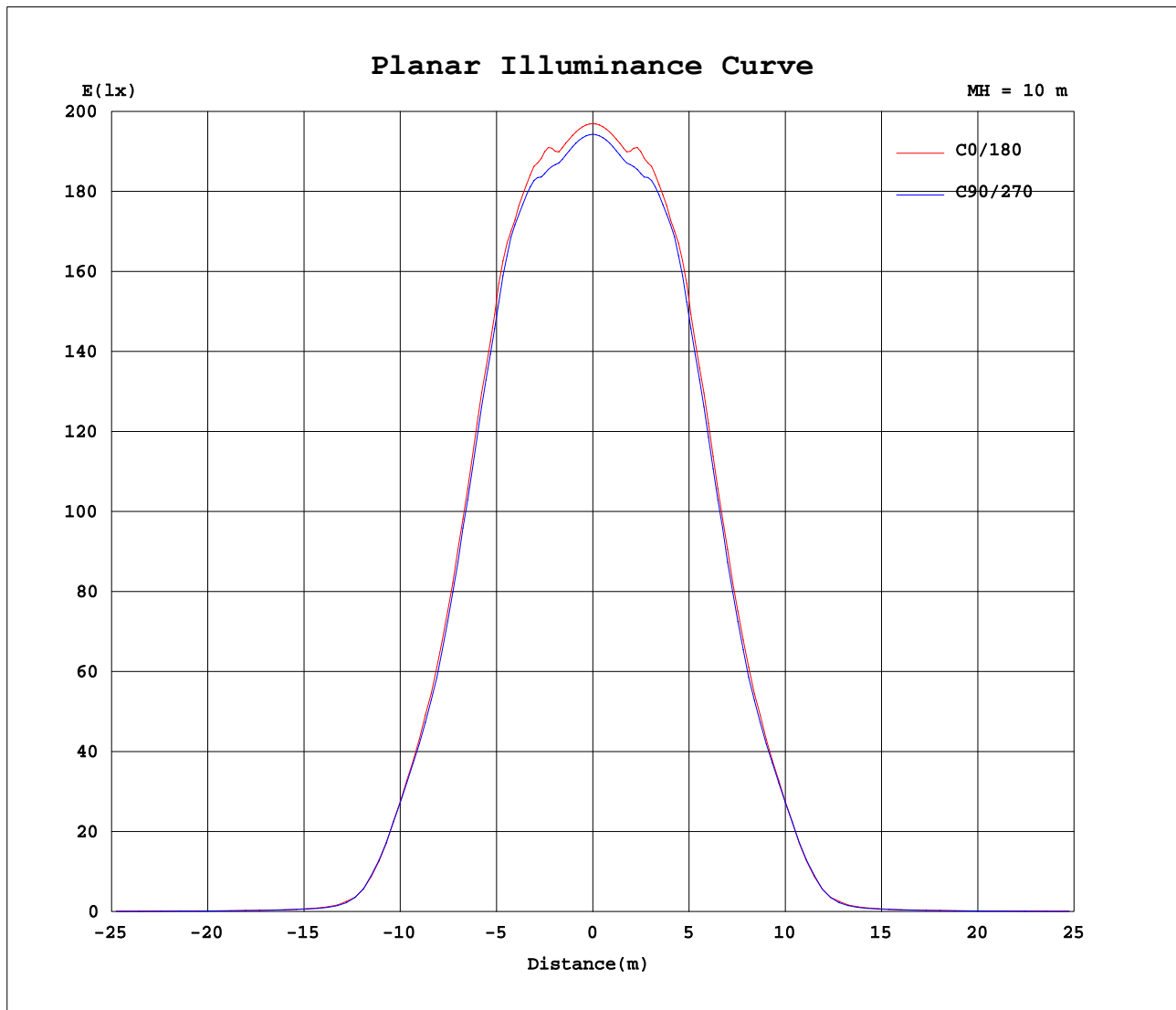
AvgL	cd/m2
L_0~180 (65) av	4868
L_0~180 (75) av	4834
L_0~180 (85) av	5676
L_90~270 (65) av	4675
L_90~270 (75) av	4594
L_90~270 (85) av	5642
L_45 (65) av	4666
L_45 (75) av	4612
L_45 (85) av	5535

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
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:220.0V I:0.9590A P:200.1W PF:0.9741 Freq:49.99Hz Lamp Flux:33870.6x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-5050-90D-PC	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

Table--1

UNIT: $\times 10cd$

C (DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953
5	1955	1955	1955	1955	1955	1954	1954	1954	1953	1953	1953	1954	1954	1954	1955	1955	1955	1955	1955
10	1972	1974	1979	1978	1980	1976	1975	1970	1971	1970	1971	1970	1975	1976	1980	1978	1979	1974	1972
15	2072	2087	2097	2094	2083	2073	2073	2075	2071	2048	2071	2075	2073	2073	2083	2094	2097	2087	2072
20	2141	2141	2157	2146	2148	2149	2160	2162	2156	2141	2156	2162	2160	2149	2148	2146	2157	2141	2141
25	2167	2154	2148	2145	2149	2152	2152	2157	2152	2147	2152	2157	2152	2152	2149	2145	2148	2154	2167
30	1980	1986	1988	1991	1974	1962	1954	1952	1944	1954	1944	1952	1954	1962	1974	1991	1988	1986	1980
35	1635	1644	1619	1620	1596	1589	1558	1559	1560	1597	1560	1559	1558	1589	1596	1620	1619	1644	1635
40	1203	1213	1196	1193	1172	1170	1156	1159	1162	1182	1162	1159	1156	1170	1172	1193	1196	1213	1203
45	770	773	755	755	749	749	746	764	752	776	752	764	746	749	749	755	755	773	770
50	213	214	195	201	189	197	191	200	197	215	197	200	191	197	189	201	195	214	213
55	49.2	48.9	46.4	45.7	43.7	43.6	42.9	43.6	42.8	44.7	42.8	43.6	42.9	43.6	43.7	45.7	46.4	48.9	49.2
60	27.7	27.8	27.3	27.0	26.2	25.9	25.6	25.9	25.6	26.3	25.6	25.9	25.6	25.9	26.2	27.0	27.3	27.8	27.7
65	20.6	20.5	20.3	20.2	19.8	19.7	19.8	19.8	19.6	19.8	19.6	19.8	19.8	19.7	19.8	20.2	20.3	20.5	20.6
70	16.5	16.4	16.3	16.1	15.9	15.7	15.8	15.7	15.6	15.7	15.6	15.7	15.8	15.7	15.9	16.1	16.3	16.4	16.5
75	12.5	12.5	12.3	12.3	12.0	11.9	11.8	11.8	11.7	11.9	11.7	11.8	11.8	11.9	12.0	12.3	12.3	12.5	12.5
80	8.57	8.63	8.50	8.53	8.29	8.30	8.13	8.15	8.11	8.31	8.11	8.15	8.13	8.30	8.29	8.53	8.50	8.63	8.57
85	4.95	5.02	4.94	4.95	4.82	4.84	4.73	4.78	4.78	4.92	4.78	4.78	4.73	4.84	4.82	4.95	4.94	5.02	4.95
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:220.0V I:0.9590A P:200.1W PF:0.9741 Freq:49.99Hz Lamp Flux:33870.6x1 lm																	
NAME: AOK-oH									TYPE:LED						WEIGHT:6.0KG		
SPEC.:AOK-200WoH-5050-90D-PC									DIM.: ϕ 0.4*0.141M						SERIAL No.:1		
MFR.: AOK									SUR.: ϕ 0.29M						Shielding Angle:		

Table--2

UNIT: $\times 10\text{cd}$

C (DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953		
5	1955	1955	1955	1955	1954	1954	1954	1953	1953	1953	1954	1954	1954	1955	1955	1955	1955		
10	1974	1979	1978	1980	1976	1975	1970	1971	1970	1971	1970	1975	1976	1980	1978	1979	1974		
15	2087	2097	2094	2083	2073	2073	2075	2071	2048	2071	2075	2073	2073	2083	2094	2097	2087		
20	2141	2157	2146	2148	2149	2160	2162	2156	2141	2156	2162	2160	2149	2148	2146	2157	2141		
25	2154	2148	2145	2149	2152	2152	2157	2152	2147	2152	2157	2152	2152	2149	2145	2148	2154		
30	1986	1988	1991	1974	1962	1954	1952	1944	1954	1944	1952	1954	1962	1974	1991	1988	1986		
35	1644	1619	1620	1596	1589	1558	1559	1560	1597	1560	1559	1558	1589	1596	1620	1619	1644		
40	1213	1196	1193	1172	1170	1156	1159	1162	1182	1162	1159	1156	1170	1172	1193	1196	1213		
45	773	755	755	749	749	746	764	752	776	752	764	746	749	749	755	755	773		
50	214	195	201	189	197	191	200	197	215	197	200	191	197	189	201	195	214		
55	48.9	46.4	45.7	43.7	43.6	42.9	43.6	42.8	44.7	42.8	43.6	42.9	43.6	43.7	45.7	46.4	48.9		
60	27.8	27.3	27.0	26.2	25.9	25.6	25.9	25.6	26.3	25.6	25.9	25.6	25.9	26.2	27.0	27.3	27.8		
65	20.5	20.3	20.2	19.8	19.7	19.8	19.8	19.6	19.8	19.6	19.8	19.8	19.7	19.8	20.2	20.3	20.5		
70	16.4	16.3	16.1	15.9	15.7	15.8	15.7	15.6	15.7	15.6	15.7	15.8	15.7	15.9	16.1	16.3	16.4		
75	12.5	12.3	12.3	12.0	11.9	11.8	11.8	11.7	11.9	11.7	11.8	11.8	11.9	12.0	12.3	12.3	12.5		
80	8.63	8.50	8.53	8.29	8.30	8.13	8.15	8.11	8.31	8.11	8.15	8.13	8.30	8.29	8.53	8.50	8.63		
85	5.02	4.94	4.95	4.82	4.84	4.73	4.78	4.78	4.92	4.78	4.78	4.73	4.84	4.82	4.95	4.94	5.02		
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: