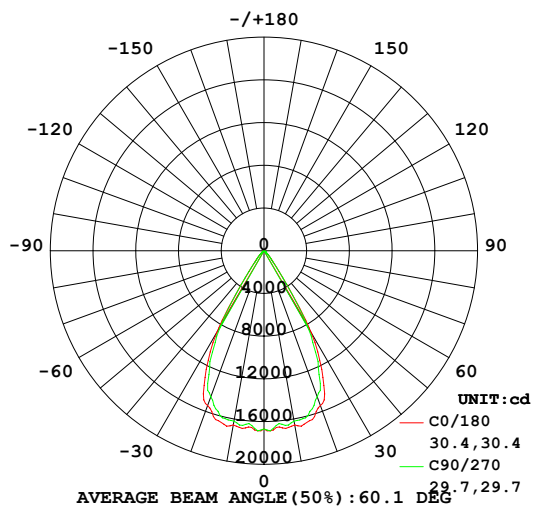


LUMINAIRE PHOTOMETRIC TEST REPORT

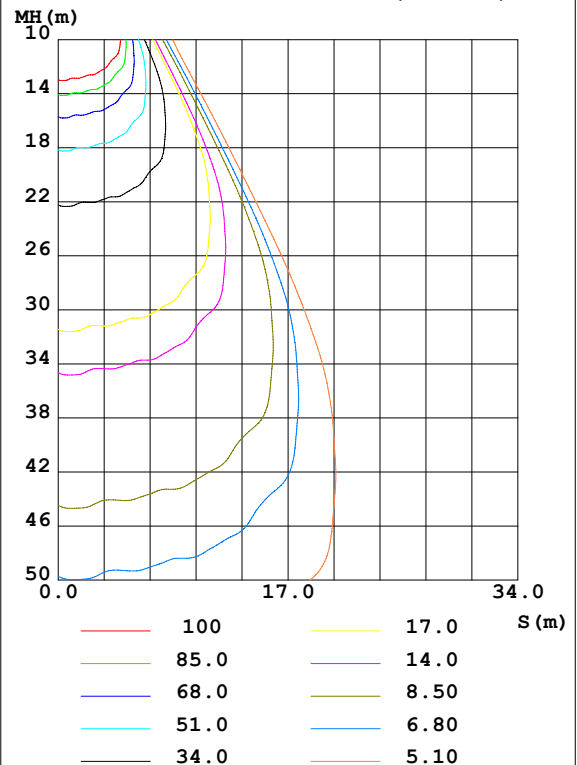
Test:U:220.0V I:0.4807A P:100.1W PF:0.9852 Freq:49.99Hz Lamp Flux:14556.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-5050-60D-PC-ALL	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 145.39 lm/W			
MODEL	5050	I _{max} (cd)	16905	S/MH (C0/180)	0.87
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	0.86
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	14556	η UP,DN (C0-180)	0.0,50.0
NOMINAL FLUX (lm)	14556.1	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,50.0
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	0.85

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:2018-01-08

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	1657	1653	1621	1653	1657	1653	1621	1653	0- 10	1576	1576	10.8,10.8
20	1542	1473	1456	1473	1542	1473	1456	1473	10- 20	4484	6060	41.6,41.6
30	886.3	782.6	814.5	782.6	886.3	782.6	814.5	782.6	20- 30	5471	11530	79.2,79.2
40	117.1	108.1	114.1	108.1	117.1	108.1	114.1	108.1	30- 40	2142	13672	93.9,93.9
50	33.58	31.87	33.74	31.87	33.58	31.87	33.74	31.87	40- 50	478.2	14151	97.2,97.2
60	14.42	14.44	14.89	14.44	14.42	14.44	14.89	14.44	50- 60	189.5	14340	98.5,98.5
70	8.863	8.811	8.867	8.811	8.863	8.811	8.867	8.811	60- 70	113.8	14454	99.3,99.3
80	4.349	4.270	4.571	4.270	4.349	4.270	4.571	4.270	70- 80	68.46	14522	99.8,99.8
90	0	0	0	0	0	0	0	0	80- 90	33.66	14556	100,100
100	0	0	0	0	0	0	0	0	90-100	0	14556	100,100
110	0	0	0	0	0	0	0	0	100-110	0	14556	100,100
120	0	0	0	0	0	0	0	0	110-120	0	14556	100,100
130	0	0	0	0	0	0	0	0	120-130	0	14556	100,100
140	0	0	0	0	0	0	0	0	130-140	0	14556	100,100
150	0	0	0	0	0	0	0	0	140-150	0	14556	100,100
160	0	0	0	0	0	0	0	0	150-160	0	14556	100,100
170	0	0	0	0	0	0	0	0	160-170	0	14556	100,100
180	0	0	0	0	0	0	0	0	170-180	0	14556	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 13973 lm

%lum = 96.0%

%lamp = 96.0%

Conical surface Flux(120deg): 14340 lm

%lum = 98.5%

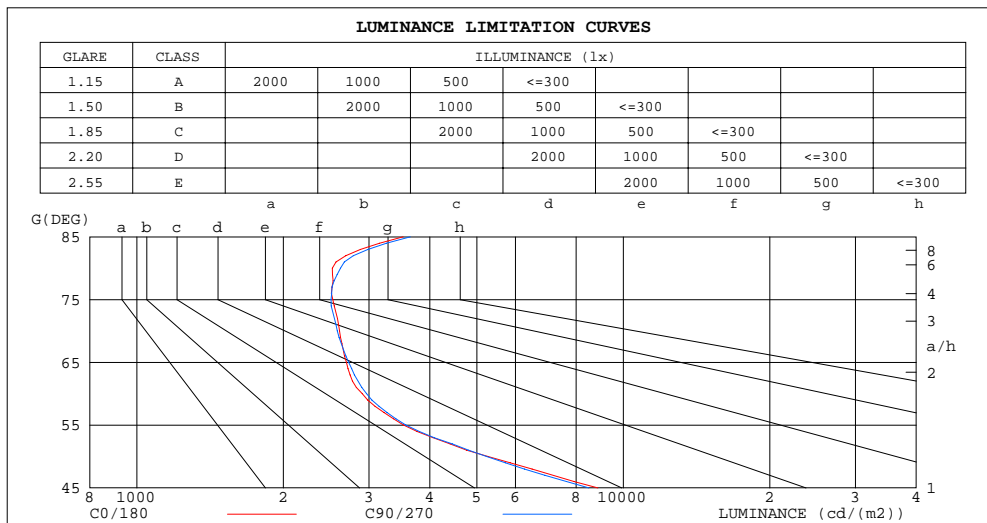
%lamp = 98.5%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-08

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:220.0V I:0.4807A P:100.1W PF:0.9852 Freq:49.99Hz Lamp Flux:14556.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-5050-60D-PC-ALL	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	3525	3648
80	2523	2622
75	2528	2508
70	2610	2582
65	2696	2724
60	2905	2966
55	3533	3572
50	5262	5228
45	8866	8497

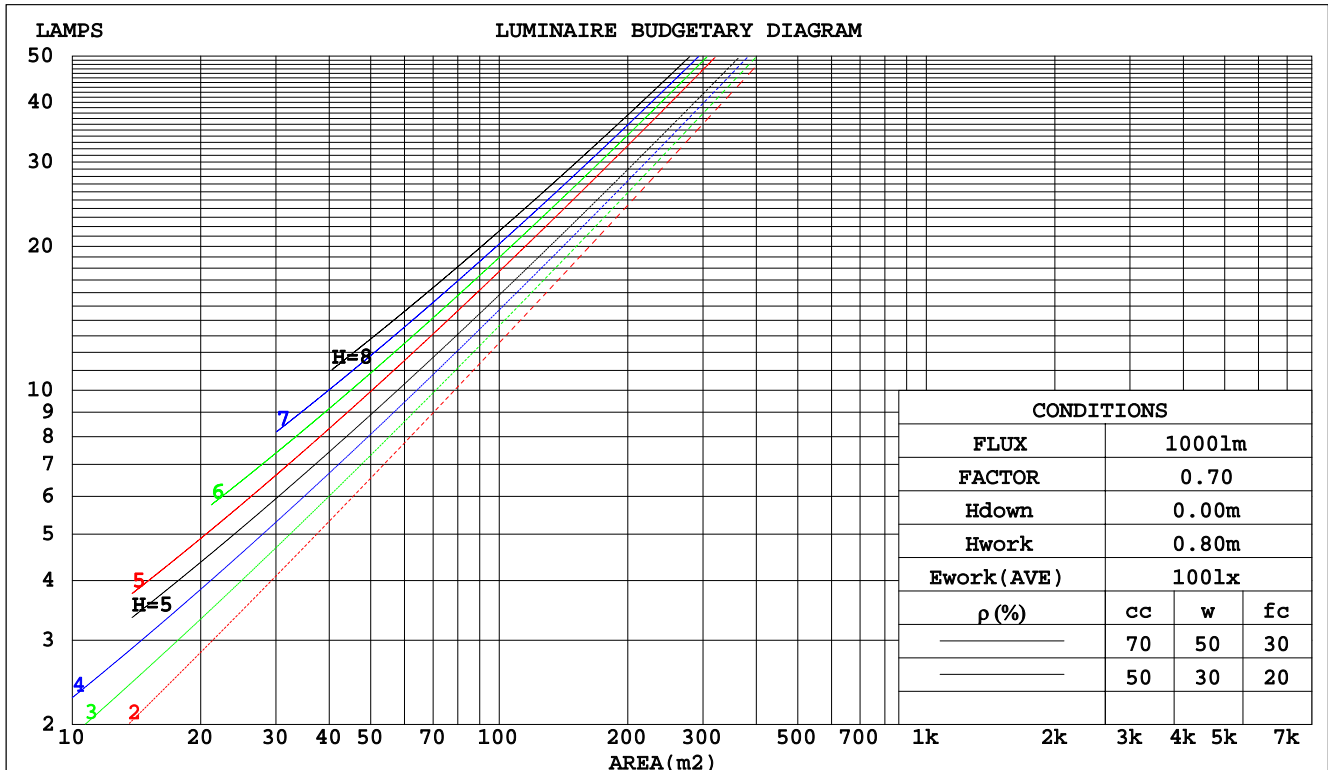
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-08

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:220.0V I:0.4807A P:100.1W PF:0.9852 Freq:49.99Hz Lamp Flux:14556.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-5050-60D-PC-ALL	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	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						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	1.08	1.06	1.09	1.06	1.04	1.05	1.03	1.01	1.01	.99	.98	.97	.96	.95	.94
2.0	1.03	.99	.96	1.02	.98	.95	.98	.95	.93	.95	.93	.91	.93	.91	.89	.87
3.0	.97	.92	.88	.95	.91	.87	.93	.89	.86	.90	.87	.84	.88	.85	.83	.82
4.0	.91	.85	.81	.89	.84	.81	.87	.83	.80	.85	.82	.79	.83	.80	.78	.76
5.0	.85	.79	.75	.84	.79	.75	.82	.78	.74	.81	.77	.74	.79	.76	.73	.72
6.0	.80	.74	.70	.79	.74	.70	.78	.73	.70	.77	.72	.69	.75	.72	.69	.67
7.0	.76	.70	.66	.75	.70	.66	.74	.69	.65	.73	.68	.65	.71	.68	.65	.63
8.0	.72	.66	.62	.71	.66	.62	.70	.65	.61	.69	.64	.61	.68	.64	.61	.60
9.0	.68	.62	.58	.67	.62	.58	.66	.61	.58	.66	.61	.58	.65	.61	.58	.56
10.0	.64	.59	.55	.64	.59	.55	.63	.58	.55	.62	.58	.55	.62	.57	.54	.53



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-08

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:0.4807A P:100.1W PF:0.9852 Freq:49.99Hz Lamp Flux:14556.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-5050-60D-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	.178	.101	.032	.171	.097	.031	.158	.091	.029	.147	.085	.027	.136	.079	.025	
2.0	.168	.092	.028	.163	.090	.028	.152	.085	.026	.142	.080	.025	.133	.075	.024	
3.0	.159	.085	.025	.155	.083	.025	.146	.079	.024	.137	.075	.023	.130	.072	.022	
4.0	.151	.079	.023	.147	.077	.023	.139	.074	.022	.132	.071	.021	.126	.068	.021	
5.0	.144	.073	.021	.140	.072	.021	.134	.070	.020	.127	.067	.020	.121	.065	.019	
6.0	.137	.069	.020	.134	.068	.019	.128	.066	.019	.123	.064	.019	.117	.062	.018	
7.0	.131	.065	.018	.128	.064	.018	.123	.062	.018	.118	.061	.018	.113	.059	.017	
8.0	.125	.061	.017	.123	.061	.017	.118	.059	.017	.114	.058	.017	.110	.056	.016	
9.0	.120	.058	.016	.118	.058	.016	.114	.056	.016	.110	.055	.016	.106	.054	.016	
10.0	.115	.055	.015	.113	.055	.015	.110	.054	.015	.106	.053	.015	.103	.052	.015	

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	.145	.146	.135	.125	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.156	.133	.113	.133	.114	.098	.091	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.143	.114	.090	.123	.098	.078	.084	.068	.055	.049	.040	.032	.016	.013	.011	
4.0	.133	.099	.073	.114	.085	.063	.078	.059	.045	.045	.035	.026	.015	.011	.009	
5.0	.124	.087	.060	.106	.075	.052	.073	.053	.037	.042	.031	.022	.014	.010	.007	
6.0	.116	.078	.050	.100	.067	.044	.069	.047	.031	.040	.028	.018	.013	.009	.006	
7.0	.110	.070	.042	.094	.061	.037	.065	.043	.026	.038	.025	.016	.012	.008	.005	
8.0	.104	.064	.036	.090	.055	.032	.062	.039	.023	.036	.023	.013	.012	.008	.004	
9.0	.099	.059	.032	.085	.051	.028	.059	.036	.020	.034	.021	.012	.011	.007	.004	
10.0	.094	.054	.028	.081	.047	.024	.057	.033	.017	.033	.020	.010	.011	.006	.003	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-08

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:0.4807A P:100.1W PF:0.9852 Freq:49.99Hz Lamp Flux:14556.1x1 lm										
NAME: AOK-oH					TYPE:LED			WEIGHT:2.9KG		
SPEC.:AOK-100WoH-5050-60D-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	6.5	7.4	6.7	7.6	7.7	6.0	6.9	6.2	7.1	7.3
3H	6.5	7.3	6.7	7.5	7.7	6.0	6.9	6.3	7.1	7.3
4H	6.5	7.3	6.8	7.5	7.8	6.1	6.9	6.4	7.1	7.3
6H	6.5	7.3	6.8	7.5	7.8	6.1	6.9	6.4	7.1	7.4
8H	6.5	7.3	6.8	7.5	7.8	6.1	6.9	6.5	7.1	7.4
12H	6.6	7.3	6.9	7.5	7.8	6.2	6.9	6.5	7.1	7.4
4H 2H	6.3	7.1	6.6	7.3	7.6	5.9	6.7	6.1	6.9	7.1
3H	6.4	7.1	6.7	7.4	7.6	6.0	6.7	6.3	6.9	7.2
4H	6.5	7.1	6.8	7.4	7.7	6.1	6.7	6.4	7.0	7.3
6H	6.5	7.1	6.9	7.4	7.8	6.2	6.7	6.6	7.1	7.4
8H	6.6	7.1	7.0	7.5	7.8	6.2	6.8	6.6	7.1	7.5
12H	6.7	7.1	7.1	7.5	7.9	6.3	6.8	6.7	7.2	7.6
8H 4H	6.4	6.9	6.8	7.3	7.6	6.0	6.5	6.4	6.9	7.3
6H	6.6	7.0	7.0	7.4	7.8	6.2	6.6	6.6	7.0	7.4
8H	6.7	7.0	7.1	7.4	7.9	6.3	6.7	6.8	7.1	7.6
12H	6.8	7.1	7.3	7.6	8.0	6.5	6.8	7.0	7.2	7.7
12H 4H	6.4	6.8	6.8	7.2	7.6	6.0	6.5	6.4	6.8	7.2
6H	6.5	6.9	7.0	7.3	7.8	6.2	6.6	6.6	7.0	7.4
8H	6.7	7.0	7.1	7.4	7.9	6.3	6.7	6.8	7.1	7.6
Variations with the observer position at spacings:										
S = 1.0H	+ 2.3 / - 2.2					+ 2.4 / - 2.2				
1.5H	+ 3.9 / - 2.0					+ 4.1 / - 2.1				
2.0H	+ 2.5 / - 1.0					+ 2.4 / - 0.8				

CIE Pub.117, 14556 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 9.3$)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-08

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:0.4807A P:100.1W PF:0.9852 Freq:49.99Hz Lamp Flux:14556.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-5050-60D-PC-ALL	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:

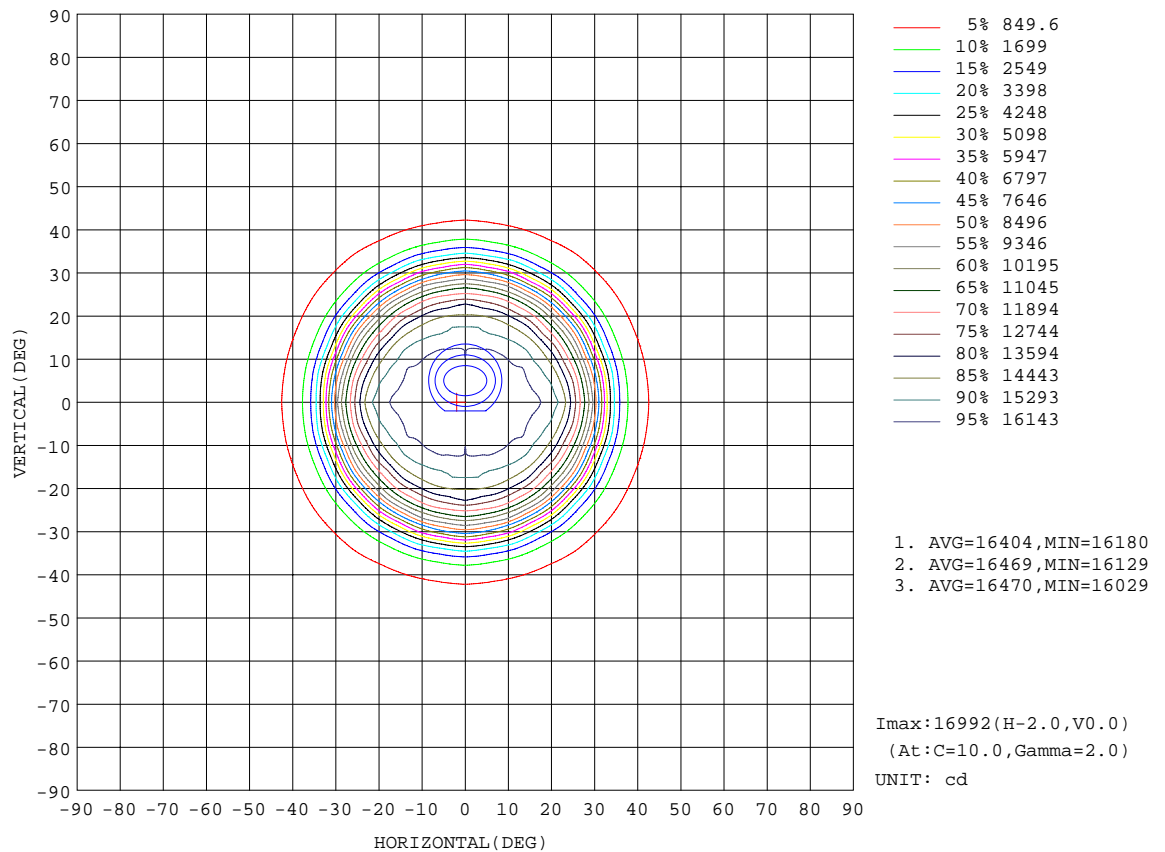
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	88	82	78	87	81	78	87	81	78	74
0.80	95	89	86	94	89	86	93	88	85	82
1.00	99	94	90	99	93	90	97	93	89	86
1.25	103	98	95	102	98	94	100	96	94	89
1.50	106	101	98	105	101	97	103	99	96	92
2.00	109	104	101	107	103	100	104	101	99	94
2.50	110	106	103	109	105	103	106	103	101	95
3.00	112	108	106	110	107	105	107	104	102	96
4.00	114	111	109	112	109	107	108	106	105	98
5.00	115	113	111	113	111	109	109	108	106	99
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:2018-01-08

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:0.4807A P:100.1W PF:0.9852 Freq:49.99Hz Lamp Flux:14556.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-5050-60D-PC-ALL	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

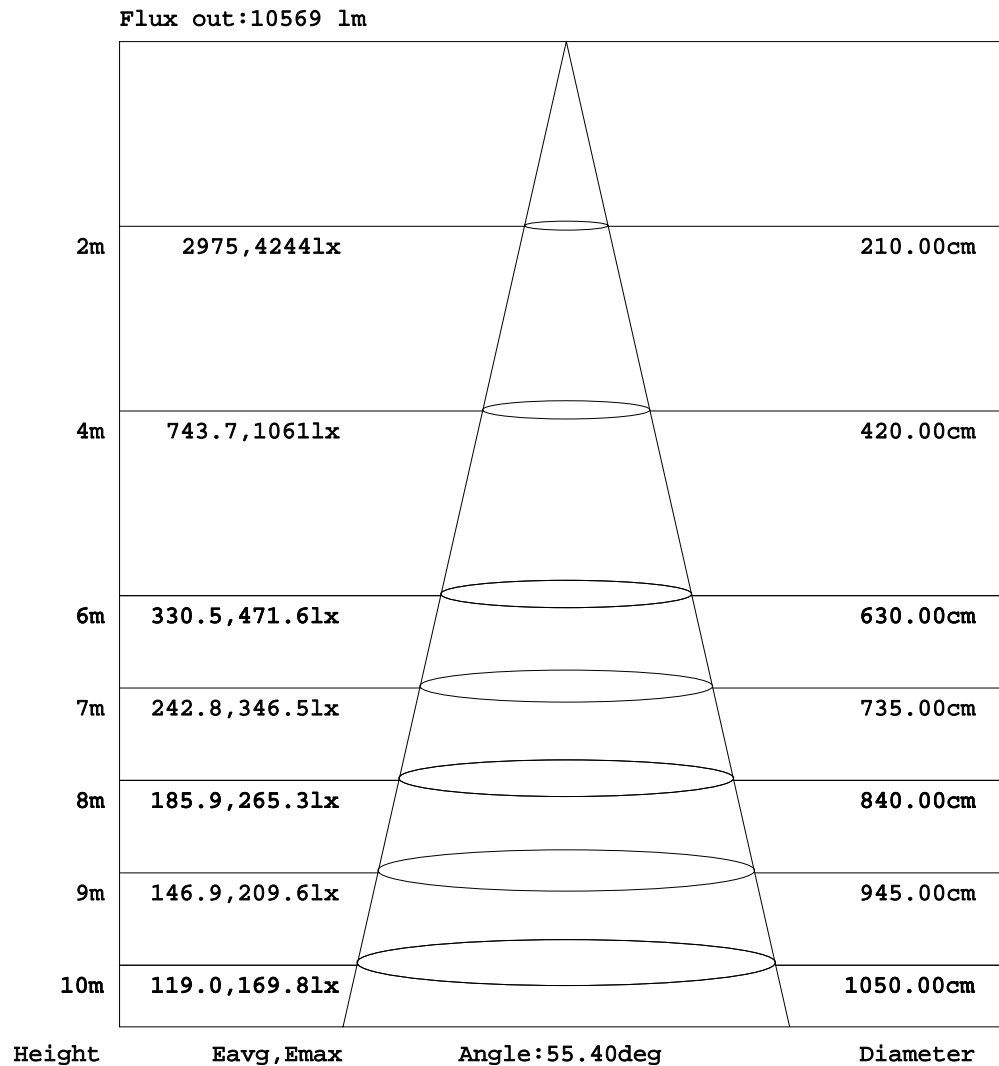


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-08

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:0.4807A P:100.1W PF:0.9852 Freq:49.99Hz Lamp Flux:14556.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-5050-60D-PC-ALL	DIM.: $\phi 0.248 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16\text{M}$	Shielding Angle:



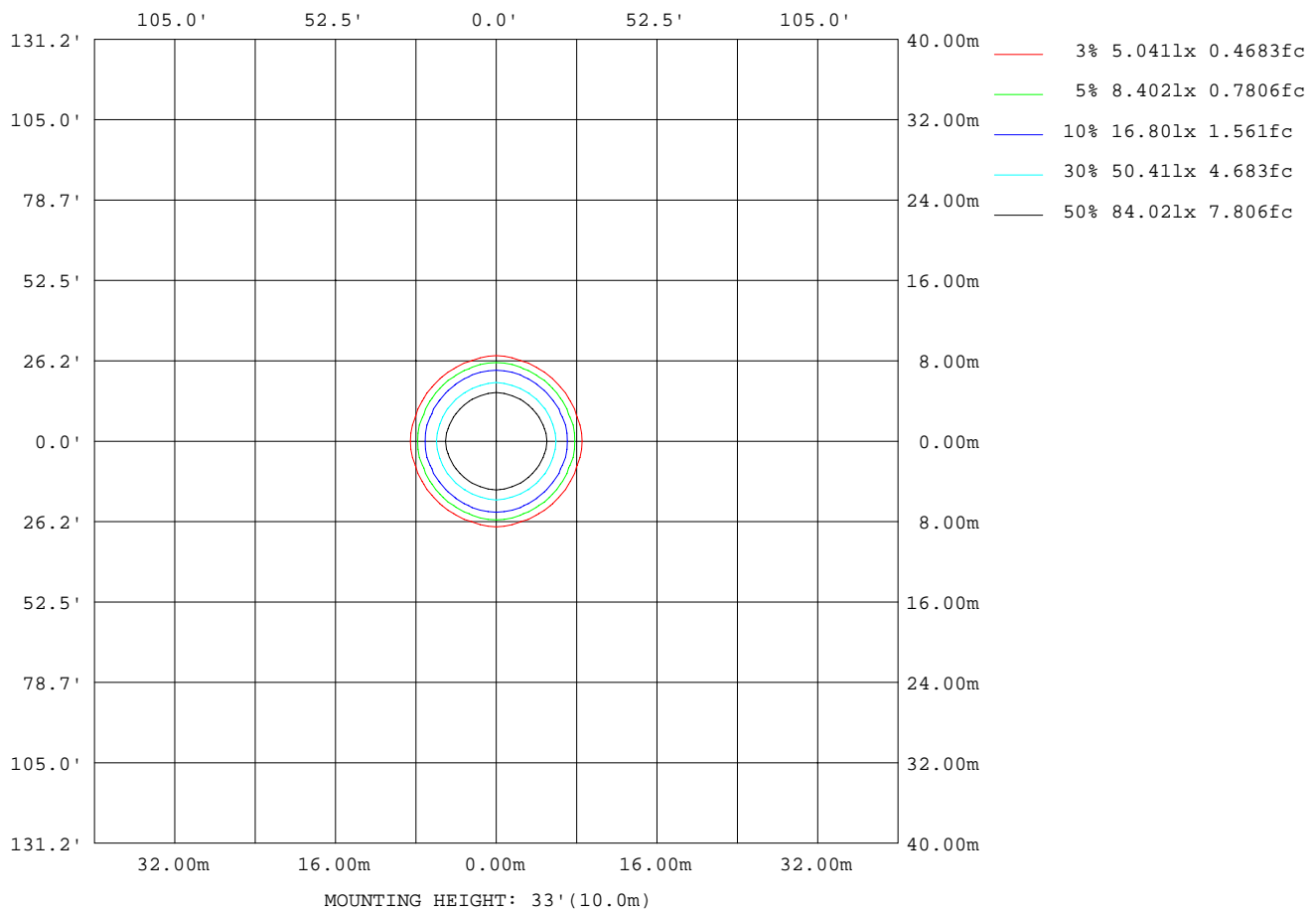
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-08

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:0.4807A P:100.1W PF:0.9852 Freq:49.99Hz Lamp Flux:14556.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-5050-60D-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: 2018-01-08

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:0.4807A P:100.1W PF:0.9852 Freq:49.99Hz Lamp Flux:14556.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-5050-60D-PC-ALL	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

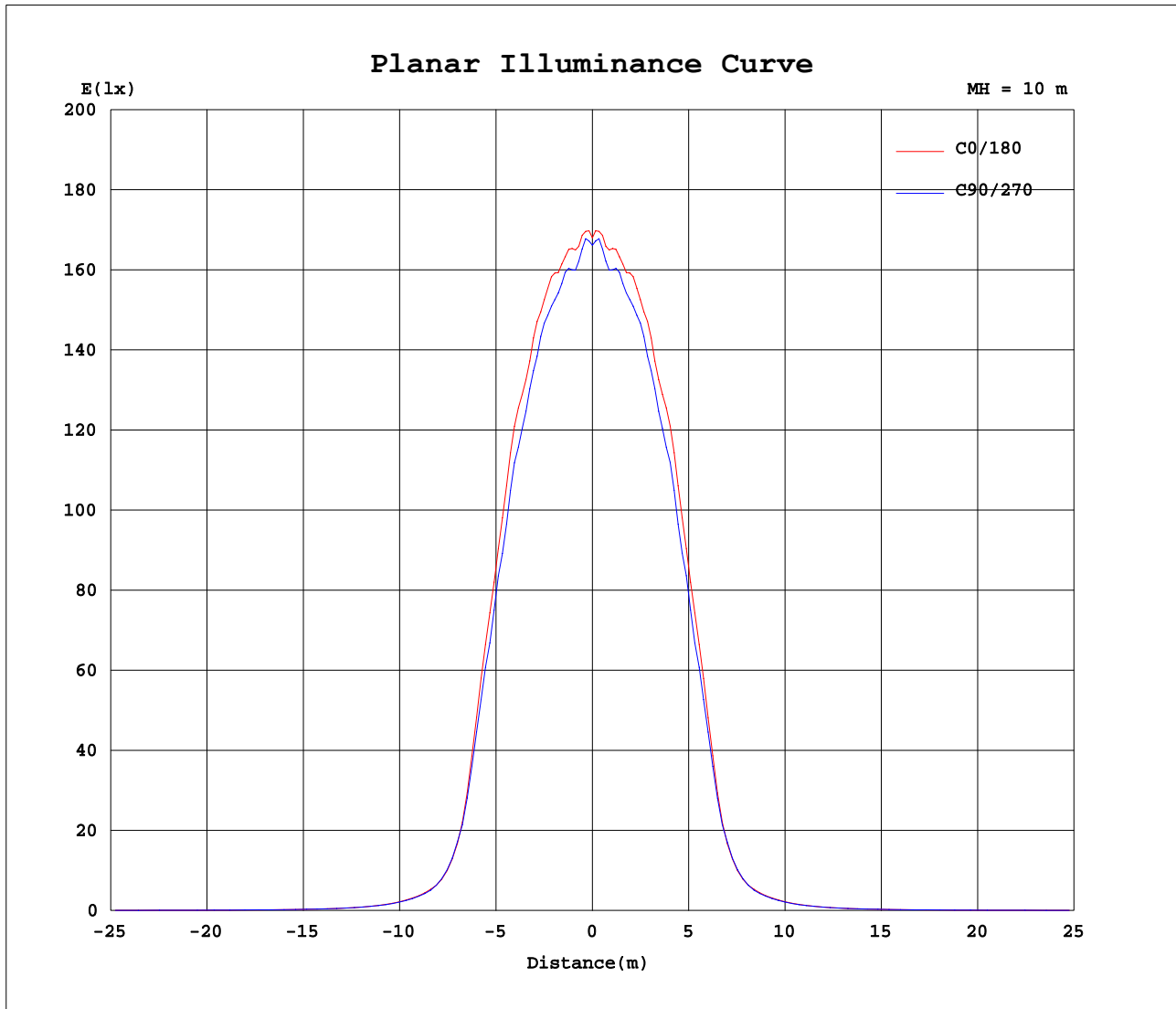
AvgL	cd/m2
L_0~180 (65) av	2677
L_0~180 (75) av	2509
L_0~180 (85) av	3500
L_90~270 (65) av	2735
L_90~270 (75) av	2518
L_90~270 (85) av	3662
L_45 (65) av	2690
L_45 (75) av	2463
L_45 (85) av	3480

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-08

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: 2018-01-08

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:0.4807A P:100.1W PF:0.9852 Freq:49.99Hz Lamp Flux:14556.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-5050-60D-PC-ALL	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	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	1668	1668	1668	1668	1668	1668	1668	1668	1668	1668	1668	1668	1668	1668	1668	1668	1668	1668	1668
5	1657	1645	1650	1648	1651	1654	1653	1630	1631	1624	1631	1630	1653	1654	1651	1648	1650	1645	1657
10	1657	1659	1657	1649	1659	1647	1650	1641	1640	1621	1640	1641	1650	1647	1659	1649	1657	1659	1657
15	1647	1623	1614	1625	1582	1596	1589	1595	1587	1597	1587	1595	1589	1596	1582	1625	1614	1623	1647
20	1542	1542	1502	1495	1477	1468	1463	1468	1465	1456	1465	1468	1463	1468	1477	1495	1502	1542	1542
25	1308	1297	1245	1232	1208	1221	1202	1216	1202	1203	1202	1216	1202	1221	1208	1232	1245	1297	1308
30	886	861	813	815	788	777	771	770	795	815	795	770	771	777	788	815	813	861	886
35	303	316	286	300	277	295	280	304	291	313	291	304	280	295	277	300	286	316	303
40	117	115	110	110	108	109	106	110	110	114	110	110	106	109	108	110	110	115	117
45	62.2	61.3	59.2	59.0	57.4	58.1	56.2	57.7	58.4	60.3	58.4	57.7	56.2	58.1	57.4	59.0	59.2	61.3	62.2
50	33.6	33.8	33.0	32.6	31.8	32.0	31.0	32.0	32.4	33.7	32.4	32.0	31.0	32.0	31.8	32.6	33.0	33.8	33.6
55	20.1	20.6	20.5	20.7	19.9	19.6	19.6	19.7	20.0	20.6	20.0	19.7	19.6	19.6	19.9	20.7	20.5	20.6	20.1
60	14.4	14.5	14.8	14.9	14.5	14.3	14.5	14.5	14.6	14.9	14.6	14.5	14.5	14.3	14.5	14.9	14.8	14.5	14.4
65	11.3	11.4	11.4	11.5	11.4	11.4	11.4	11.5	11.4	11.6	11.4	11.5	11.4	11.4	11.4	11.5	11.4	11.4	11.3
70	8.86	8.87	8.83	8.86	8.78	8.84	8.78	8.89	8.83	8.87	8.83	8.89	8.78	8.84	8.78	8.86	8.83	8.87	8.86
75	6.49	6.46	6.36	6.43	6.36	6.39	6.35	6.51	6.47	6.52	6.47	6.51	6.35	6.39	6.36	6.43	6.36	6.46	6.49
80	4.35	4.35	4.29	4.30	4.24	4.30	4.32	4.43	4.43	4.57	4.43	4.43	4.32	4.30	4.24	4.30	4.29	4.35	4.35
85	3.05	3.07	3.01	3.04	3.01	3.06	3.03	3.10	3.11	3.19	3.11	3.10	3.03	3.06	3.01	3.04	3.01	3.07	3.05
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: 2018-01-08

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:0.4807A P:100.1W PF:0.9852 Freq:49.99Hz Lamp Flux:14556.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-5050-60D-PC-ALL	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	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	1668	1668	1668	1668	1668	1668	1668	1668	1668	1668	1668	1668	1668	1668	1668	1668	1668		
5	1645	1650	1648	1651	1654	1653	1630	1631	1624	1631	1630	1653	1654	1651	1648	1650	1645		
10	1659	1657	1649	1659	1647	1650	1641	1640	1621	1640	1641	1650	1647	1659	1649	1657	1659		
15	1623	1614	1625	1582	1596	1589	1595	1587	1597	1587	1595	1589	1596	1582	1625	1614	1623		
20	1542	1502	1495	1477	1468	1463	1468	1465	1456	1465	1468	1463	1468	1477	1495	1502	1542		
25	1297	1245	1232	1208	1221	1202	1216	1202	1203	1202	1216	1202	1221	1208	1232	1245	1297		
30	861	813	815	788	777	771	770	795	815	795	770	771	777	788	815	813	861		
35	316	286	300	277	295	280	304	291	313	291	304	280	295	277	300	286	316		
40	115	110	110	108	109	106	110	110	114	110	110	106	109	108	110	110	115		
45	61.3	59.2	59.0	57.4	58.1	56.2	57.7	58.4	60.3	58.4	57.7	56.2	58.1	57.4	59.0	59.2	61.3		
50	33.8	33.0	32.6	31.8	32.0	31.0	32.0	32.4	33.7	32.4	32.0	31.0	32.0	31.8	32.6	33.0	33.8		
55	20.6	20.5	20.7	19.9	19.6	19.6	19.7	20.0	20.6	20.0	19.7	19.6	19.6	19.9	20.7	20.5	20.6		
60	14.5	14.8	14.9	14.5	14.3	14.5	14.5	14.6	14.9	14.6	14.5	14.5	14.3	14.5	14.9	14.8	14.5		
65	11.4	11.4	11.5	11.4	11.4	11.4	11.5	11.4	11.6	11.4	11.5	11.4	11.4	11.4	11.5	11.4	11.4		
70	8.87	8.83	8.86	8.78	8.84	8.78	8.89	8.83	8.87	8.83	8.89	8.78	8.84	8.78	8.86	8.83	8.87		
75	6.46	6.36	6.43	6.36	6.39	6.35	6.51	6.47	6.52	6.47	6.51	6.35	6.39	6.36	6.43	6.36	6.46		
80	4.35	4.29	4.30	4.24	4.30	4.32	4.43	4.43	4.57	4.43	4.43	4.32	4.30	4.24	4.30	4.29	4.35		
85	3.07	3.01	3.04	3.01	3.06	3.03	3.10	3.11	3.19	3.11	3.10	3.03	3.06	3.01	3.04	3.01	3.07		
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:2018-01-08

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: