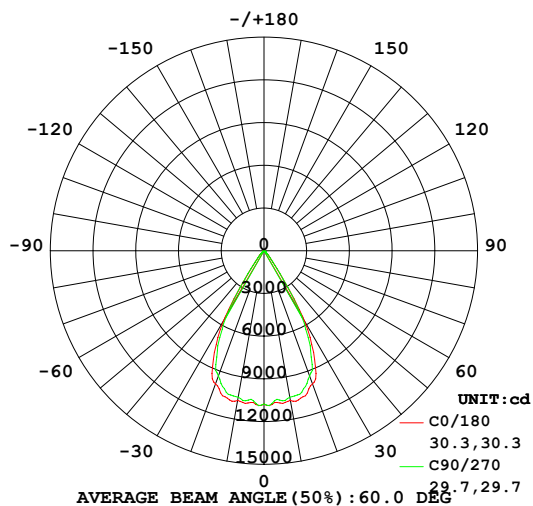


LUMINAIRE PHOTOMETRIC TEST REPORT

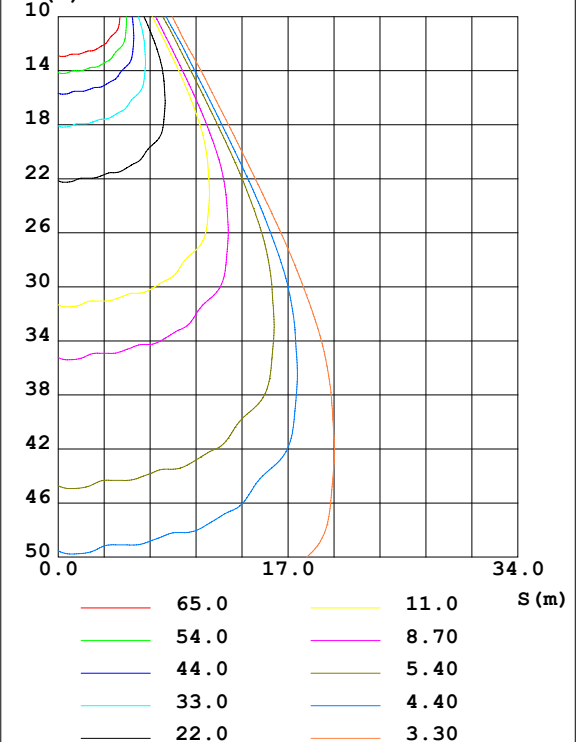
Test:U:220.1V I:0.2985A P:60.10W PF:0.9742 Freq:49.99Hz Lamp Flux:9346.94x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-60D-PC-ALL	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 155.52 lm/W			
MODEL	5050	I _{max} (cd)	10891	S/MH (C0/180)	0.87
NOMINAL POWER (W)	60	LOR (%)	100.0	S/MH (C90/270)	0.86
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	9346.9	η UP, DN (C0-180)	0.0, 50.0
NOMINAL FLUX (lm)	9346.94	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	1067	1065	1045	1065	1067	1065	1045	1065	0- 10	1016	1016	10.9,10.9
20	995.8	949.0	937.3	949.0	995.8	949.0	937.3	949.0	10- 20	2888	3903	41.8,41.8
30	567.7	499.7	520.3	499.7	567.7	499.7	520.3	499.7	20- 30	3514	7418	79.4,79.4
40	75.10	69.13	73.01	69.13	75.10	69.13	73.01	69.13	30- 40	1362	8779	93.9,93.9
50	21.56	20.31	21.63	20.31	21.56	20.31	21.63	20.31	40- 50	306.3	9086	97.2,97.2
60	9.271	9.213	9.583	9.213	9.271	9.213	9.583	9.213	50- 60	121.6	9207	98.5,98.5
70	5.724	5.675	5.720	5.675	5.724	5.675	5.720	5.675	60- 70	73.46	9281	99.3,99.3
80	2.813	2.754	2.949	2.754	2.813	2.754	2.949	2.754	70- 80	44.21	9325	99.8,99.8
90	0	0	0	0	0	0	0	0	80- 90	21.82	9347	100,100
100	0	0	0	0	0	0	0	0	90-100	0	9347	100,100
110	0	0	0	0	0	0	0	0	100-110	0	9347	100,100
120	0	0	0	0	0	0	0	0	110-120	0	9347	100,100
130	0	0	0	0	0	0	0	0	120-130	0	9347	100,100
140	0	0	0	0	0	0	0	0	130-140	0	9347	100,100
150	0	0	0	0	0	0	0	0	140-150	0	9347	100,100
160	0	0	0	0	0	0	0	0	150-160	0	9347	100,100
170	0	0	0	0	0	0	0	0	160-170	0	9347	100,100
180	0	0	0	0	0	0	0	0	170-180	0	9347	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 8971.9 lm

%lum = 96.0%

%lamp = 96.0%

Conical surface Flux(120deg): 9207.4 lm

%lum = 98.5%

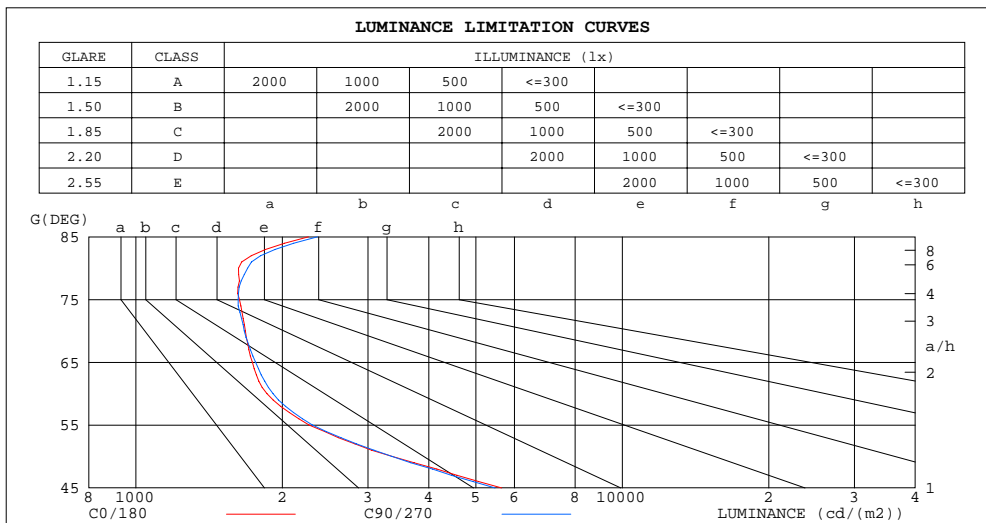
%lamp = 98.5%

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:220.1V I:0.2985A P:60.10W PF:0.9742 Freq:49.99Hz Lamp Flux:9346.94x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-60D-PC-ALL	DIM.: $\phi 0.248 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16$	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2264	2361
80	1625	1696
75	1633	1623
70	1679	1671
65	1736	1763
60	1860	1914
55	2270	2307
50	3365	3361
45	5648	5474

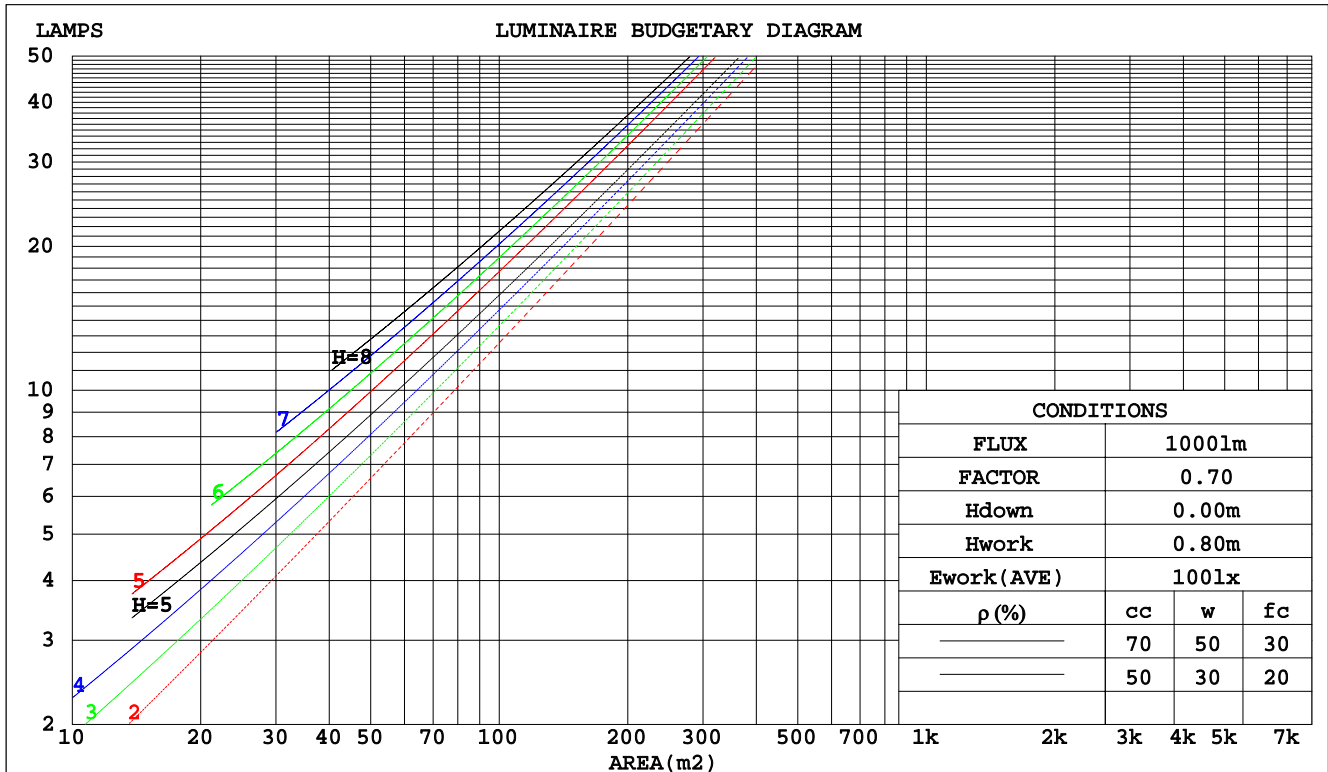
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-08

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:220.1V I:0.2985A P:60.10W PF:0.9742 Freq:49.99Hz Lamp Flux:9346.94x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-60D-PC-ALL	DIM.: $\phi 0.248 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16$	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	.85	.81	.87	.83	.80	.85	.82	.79	.84	.80	.78	.76
5.0	.85	.80	.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	.72	.68	.65	.63
8.0	.72	.66	.62	.71	.66	.62	.70	.65	.62	.69	.65	.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	.58	.55	.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:220.1V I:0.2985A P:60.10W PF:0.9742 Freq:49.99Hz Lamp Flux:9346.94x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-60D-PC-ALL	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16	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	.125	.068	.021	
5.0	.144	.073	.021	.140	.072	.021	.133	.069	.020	.127	.067	.020	.121	.065	.019	
6.0	.137	.069	.020	.134	.068	.019	.128	.066	.019	.122	.064	.019	.117	.062	.018	
7.0	.131	.065	.018	.128	.064	.018	.123	.062	.018	.118	.060	.018	.113	.059	.017	
8.0	.125	.061	.017	.123	.060	.017	.118	.059	.017	.114	.058	.017	.110	.056	.016	
9.0	.120	.058	.016	.118	.057	.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	.056	.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:220.1V I:0.2985A P:60.10W PF:0.9742 Freq:49.99Hz Lamp Flux:9346.94x1 lm										
NAME: AOK-oH					TYPE:LED			WEIGHT:2.9KG		
SPEC.:AOK-60WoH-5050-60D-PC-ALL					DIM.: ϕ 0.248*0.138M			SERIAL No.:1		
MFR.: AOK					SUR.: ϕ 0.16			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	7.8	6.0	6.9	6.2	7.1	7.3
3H	6.5	7.4	6.8	7.6	7.8	6.0	6.9	6.3	7.1	7.3
4H	6.5	7.4	6.8	7.6	7.8	6.1	6.9	6.3	7.1	7.3
6H	6.6	7.3	6.9	7.6	7.8	6.1	6.9	6.4	7.1	7.4
8H	6.6	7.3	6.9	7.6	7.8	6.1	6.9	6.4	7.1	7.4
12H	6.6	7.3	6.9	7.6	7.8	6.2	6.9	6.5	7.1	7.4
4H 2H	6.3	7.2	6.6	7.4	7.6	5.8	6.6	6.1	6.9	7.1
3H	6.4	7.1	6.7	7.4	7.7	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	6.6	7.1	7.0	7.5	7.8	6.2	6.7	6.5	7.1	7.4
8H	6.6	7.1	7.0	7.5	7.9	6.2	6.7	6.6	7.1	7.5
12H	6.7	7.2	7.1	7.5	7.9	6.3	6.8	6.7	7.2	7.6
8H 4H	6.4	7.0	6.8	7.3	7.7	6.0	6.5	6.4	6.9	7.2
6H	6.6	7.0	7.0	7.4	7.8	6.2	6.6	6.6	7.0	7.4
8H	6.7	7.1	7.1	7.5	7.9	6.3	6.7	6.8	7.1	7.5
12H	6.8	7.2	7.3	7.6	8.1	6.5	6.8	7.0	7.2	7.7
12H 4H	6.4	6.9	6.8	7.3	7.6	6.0	6.5	6.4	6.8	7.2
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	7.2	7.5	7.9	6.3	6.7	6.8	7.1	7.6
Variations with the observer position at spacings:										
S = 1.0H	+ 2.4 / - 2.2					+ 2.4 / - 2.2				
1.5H	+ 4.1 / - 2.0					+ 4.1 / - 2.1				
2.0H	+ 2.5 / - 1.0					+ 2.4 / - 0.8				

CIE Pub.117, 9347 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 7.8$)

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:220.1V I:0.2985A P:60.10W PF:0.9742 Freq:49.99Hz Lamp Flux:9346.94x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-60D-PC-ALL	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16$	Shielding Angle:

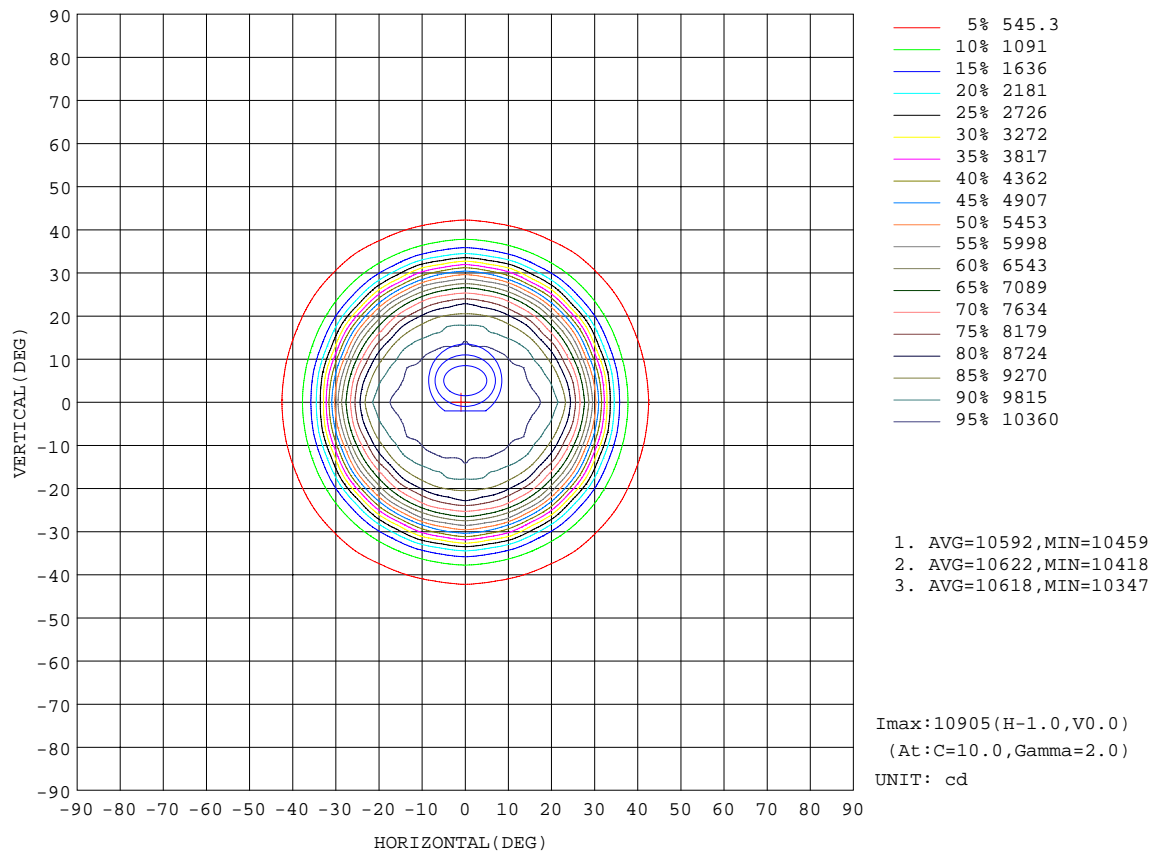
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	88	82	78	87	81	78	87	81	78	74
0.80	95	89	86	94	89	86	93	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:220.1V I:0.2985A P:60.10W PF:0.9742 Freq:49.99Hz Lamp Flux:9346.94x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-60D-PC-ALL	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16	Shielding Angle:



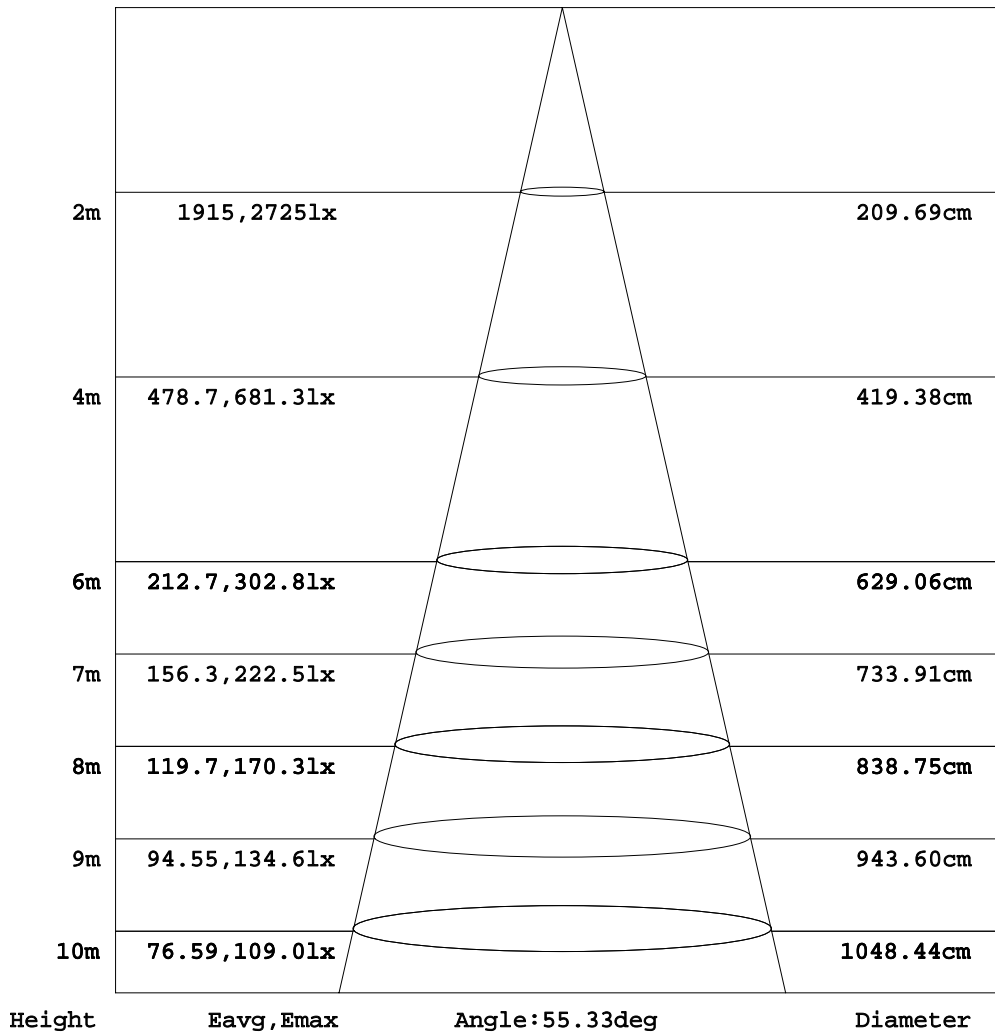
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-08

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:220.1V I:0.2985A P:60.10W PF:0.9742 Freq:49.99Hz Lamp Flux:9346.94x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-60D-PC-ALL	DIM.: $\phi 0.248 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16$	Shielding Angle:

Flux out:6802 lm



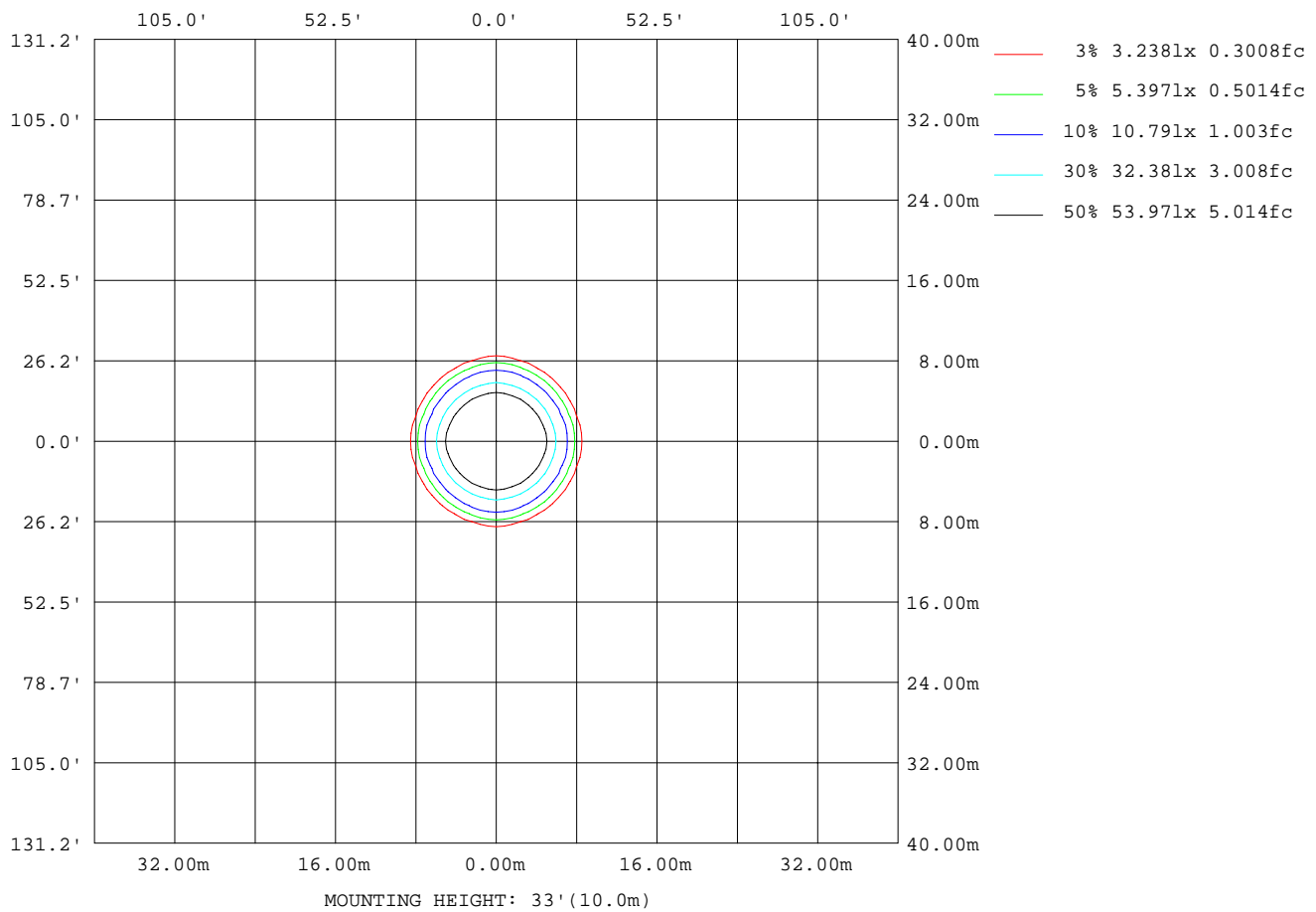
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 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:220.1V I:0.2985A P:60.10W PF:0.9742 Freq:49.99Hz Lamp Flux:9346.94x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-60D-PC-ALL	DIM.: Φ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: Φ 0.16	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:220.1V I:0.2985A P:60.10W PF:0.9742 Freq:49.99Hz Lamp Flux:9346.94x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-60D-PC-ALL	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16	Shielding Angle:

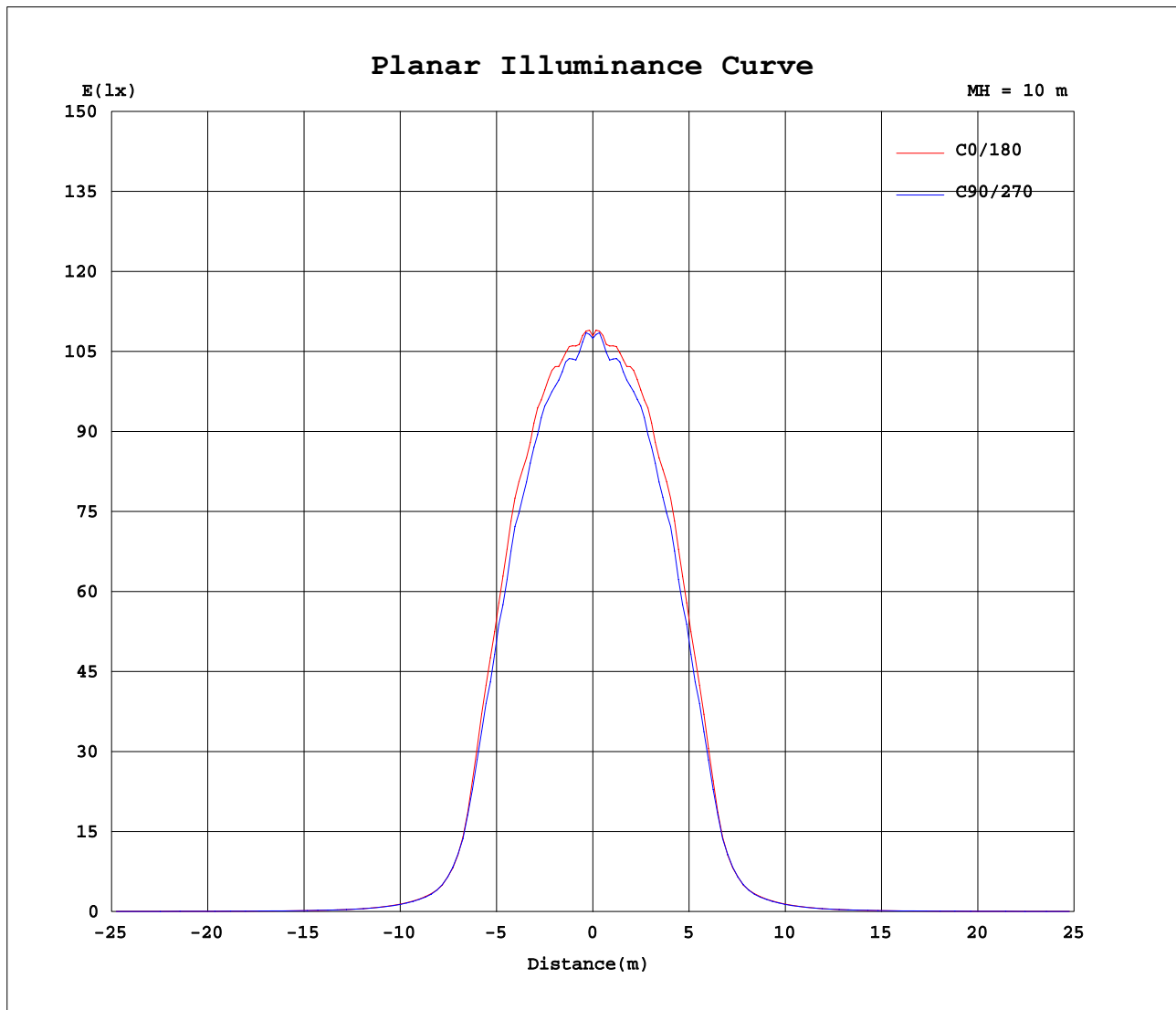
AvgL	cd/m2
L_0~180 (65) av	1730
L_0~180 (75) av	1628
L_0~180 (85) av	2257
L_90~270 (65) av	1765
L_90~270 (75) av	1625
L_90~270 (85) av	2364
L_45 (65) av	1729
L_45 (75) av	1586
L_45 (85) av	2256

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
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:220.1V I:0.2985A P:60.10W PF:0.9742 Freq:49.99Hz Lamp Flux:9346.94x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-60D-PC-ALL	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16	Shielding Angle:

Table--1

UNIT: x10cd

C (DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076
5	1069	1060	1064	1063	1065	1067	1067	1052	1052	1047	1052	1052	1067	1067	1065	1063	1064	1060	1069
10	1067	1068	1067	1062	1068	1061	1062	1058	1056	1045	1056	1058	1062	1061	1068	1062	1067	1068	1067
15	1061	1045	1039	1046	1019	1028	1024	1027	1022	1029	1022	1027	1024	1028	1019	1046	1039	1045	1061
20	996	993	968	963	953	945	942	945	943	937	943	945	942	945	953	963	968	993	996
25	842	835	801	792	776	785	773	782	773	774	773	782	773	785	776	792	801	835	842
30	568	550	520	519	503	496	491	491	506	520	506	491	491	496	503	519	520	550	568
35	193	194	182	184	176	181	177	185	185	196	185	185	177	181	176	184	182	194	193
40	75.1	73.8	70.2	70.2	68.8	69.4	68.0	70.3	70.6	73.0	70.6	70.3	68.0	69.4	68.8	70.2	70.2	73.8	75.1
45	39.8	39.3	37.9	37.7	36.8	37.1	36.0	37.1	37.6	38.8	37.6	37.1	36.0	37.1	36.8	37.7	37.9	39.3	39.8
50	21.6	21.6	21.2	20.8	20.3	20.4	19.9	20.5	20.9	21.6	20.9	20.5	19.9	20.4	20.3	20.8	21.2	21.6	21.6
55	13.0	13.3	13.2	13.4	12.5	12.5	12.5	12.6	12.8	13.2	12.8	12.6	12.5	12.5	12.5	13.4	13.2	13.3	13.0
60	9.27	9.39	9.59	9.69	9.22	9.21	9.28	9.35	9.35	9.58	9.35	9.35	9.28	9.21	9.22	9.69	9.59	9.39	9.27
65	7.31	7.39	7.42	7.46	7.32	7.32	7.33	7.41	7.37	7.46	7.37	7.41	7.33	7.32	7.32	7.46	7.42	7.39	7.31
70	5.72	5.73	5.71	5.71	5.65	5.70	5.66	5.73	5.69	5.72	5.69	5.73	5.66	5.70	5.65	5.71	5.71	5.73	5.72
75	4.21	4.19	4.13	4.15	4.09	4.12	4.10	4.20	4.16	4.20	4.16	4.20	4.10	4.12	4.09	4.15	4.13	4.19	4.21
80	2.81	2.83	2.80	2.81	2.73	2.78	2.79	2.86	2.85	2.95	2.85	2.86	2.79	2.78	2.73	2.81	2.80	2.83	2.81
85	1.97	1.99	1.96	1.97	1.95	1.98	1.97	2.00	2.01	2.06	2.01	2.00	1.97	1.98	1.95	1.97	1.96	1.99	1.97
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:220.1V I:0.2985A P:60.10W PF:0.9742 Freq:49.99Hz Lamp Flux:9346.94x1 lm																	
NAME: AOK-oH									TYPE:LED						WEIGHT:2.9KG		
SPEC.:AOK-60WoH-5050-60D-PC-ALL									DIM.: ϕ 0.248*0.138M						SERIAL No.:1		
MFR.: AOK									SUR.: ϕ 0.16						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	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076		
5	1060	1064	1063	1065	1067	1067	1052	1052	1047	1052	1052	1067	1067	1065	1063	1064	1060		
10	1068	1067	1062	1068	1061	1062	1058	1056	1045	1056	1058	1062	1061	1068	1062	1067	1068		
15	1045	1039	1046	1019	1028	1024	1027	1022	1029	1022	1027	1024	1028	1019	1046	1039	1045		
20	993	968	963	953	945	942	945	943	937	943	945	942	945	953	963	968	993		
25	835	801	792	776	785	773	782	773	774	773	782	773	785	776	792	801	835		
30	550	520	519	503	496	491	491	506	520	506	491	491	496	503	519	520	550		
35	194	182	184	176	181	177	185	185	196	185	185	177	181	176	184	182	194		
40	73.8	70.2	70.2	68.8	69.4	68.0	70.3	70.6	73.0	70.6	70.3	68.0	69.4	68.8	70.2	70.2	73.8		
45	39.3	37.9	37.7	36.8	37.1	36.0	37.1	37.6	38.8	37.6	37.1	36.0	37.1	36.8	37.7	37.9	39.3		
50	21.6	21.2	20.8	20.3	20.4	19.9	20.5	20.9	21.6	20.9	20.5	19.9	20.4	20.3	20.8	21.2	21.6		
55	13.3	13.2	13.4	12.5	12.5	12.5	12.6	12.8	13.2	12.8	12.6	12.5	12.5	12.5	13.4	13.2	13.3		
60	9.39	9.59	9.69	9.22	9.21	9.28	9.35	9.35	9.58	9.35	9.35	9.28	9.21	9.22	9.69	9.59	9.39		
65	7.39	7.42	7.46	7.32	7.32	7.33	7.41	7.37	7.46	7.37	7.41	7.33	7.32	7.32	7.46	7.42	7.39		
70	5.73	5.71	5.71	5.65	5.70	5.66	5.73	5.69	5.72	5.69	5.73	5.66	5.70	5.65	5.71	5.71	5.73		
75	4.19	4.13	4.15	4.09	4.12	4.10	4.20	4.16	4.20	4.16	4.20	4.10	4.12	4.09	4.15	4.13	4.19		
80	2.83	2.80	2.81	2.73	2.78	2.79	2.86	2.85	2.95	2.85	2.86	2.79	2.78	2.73	2.81	2.80	2.83		
85	1.99	1.96	1.97	1.95	1.98	1.97	2.00	2.01	2.06	2.01	2.00	1.97	1.98	1.95	1.97	1.96	1.99		
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: