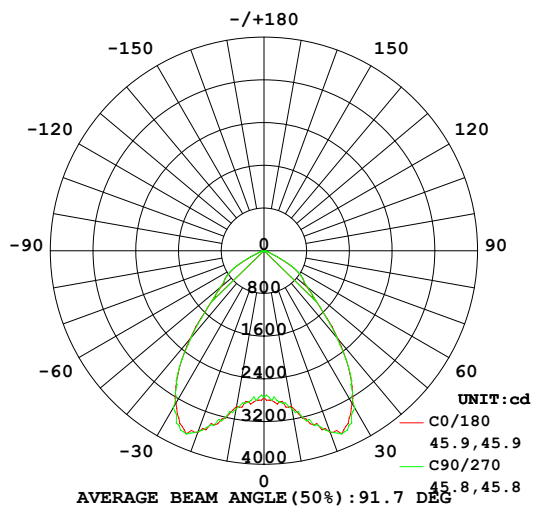


LUMINAIRE PHOTOMETRIC TEST REPORT

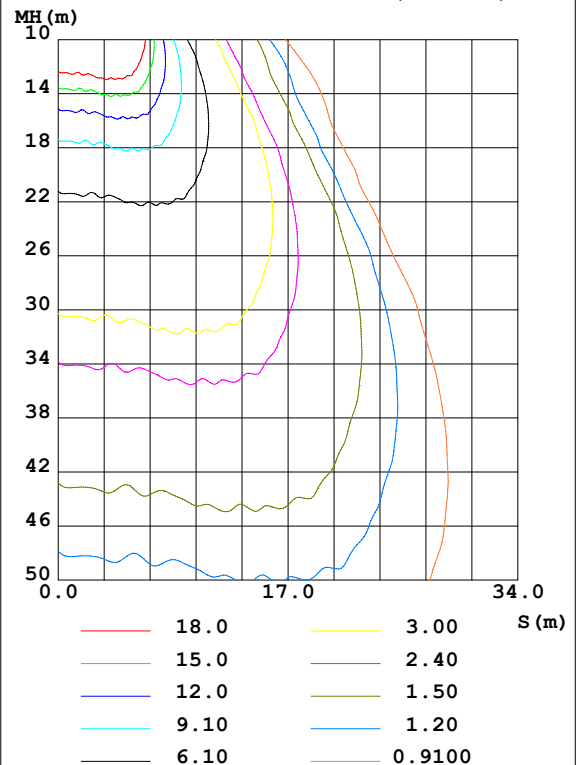
Test:U:220.1V I:0.3020A P:60.10W PF:0.9743 Freq:49.99Hz Lamp Flux:6943.51x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D-PC-ALL	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 115.53 lm/W			
MODEL	3030	I _{max} (cd)	3767	S/MH (C0/180)	1.32
NOMINAL POWER (W)	60	LOR (%)	100.0	S/MH (C90/270)	1.31
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	6943.5	η UP,DN (C0-180)	0.0,50.0
NOMINAL FLUX (lm)	6943.51	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	1.25

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:2018-01-03

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	2959	3052	2998	3052	2959	3052	2998	3052	0- 10	276.3	276.3	3.98,3.98
20	3622	3623	3608	3623	3622	3623	3608	3623	10- 20	951.2	1227	17.7,17.7
30	3296	3299	3395	3299	3296	3299	3395	3299	20- 30	1661	2888	41.6,41.6
40	2150	2152	2128	2152	2150	2152	2128	2152	30- 40	1734	4622	66.6,66.6
50	1047	1002	1081	1002	1047	1002	1081	1002	40- 50	1151	5773	83.1,83.1
60	638.4	616.5	647.4	616.5	638.4	616.5	647.4	616.5	50- 60	749.8	6523	93.9,93.9
70	109.9	110.7	111.0	110.7	109.9	110.7	111.0	110.7	60- 70	318.1	6841	98.5,98.5
80	41.75	40.10	40.66	40.10	41.75	40.10	40.66	40.10	70- 80	71.09	6912	99.6,99.6
90	0	0	0	0	0	0	0	0	80- 90	31.22	6944	100,100
100	0	0	0	0	0	0	0	0	90-100	0	6944	100,100
110	0	0	0	0	0	0	0	0	100-110	0	6944	100,100
120	0	0	0	0	0	0	0	0	110-120	0	6944	100,100
130	0	0	0	0	0	0	0	0	120-130	0	6944	100,100
140	0	0	0	0	0	0	0	0	130-140	0	6944	100,100
150	0	0	0	0	0	0	0	0	140-150	0	6944	100,100
160	0	0	0	0	0	0	0	0	150-160	0	6944	100,100
170	0	0	0	0	0	0	0	0	160-170	0	6944	100,100
180	0	0	0	0	0	0	0	0	170-180	0	6944	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 5283.9 lm

%lum = 76.1%

%lamp = 76.1%

Conical surface Flux(120deg): 6523.1 lm

%lum = 93.9%

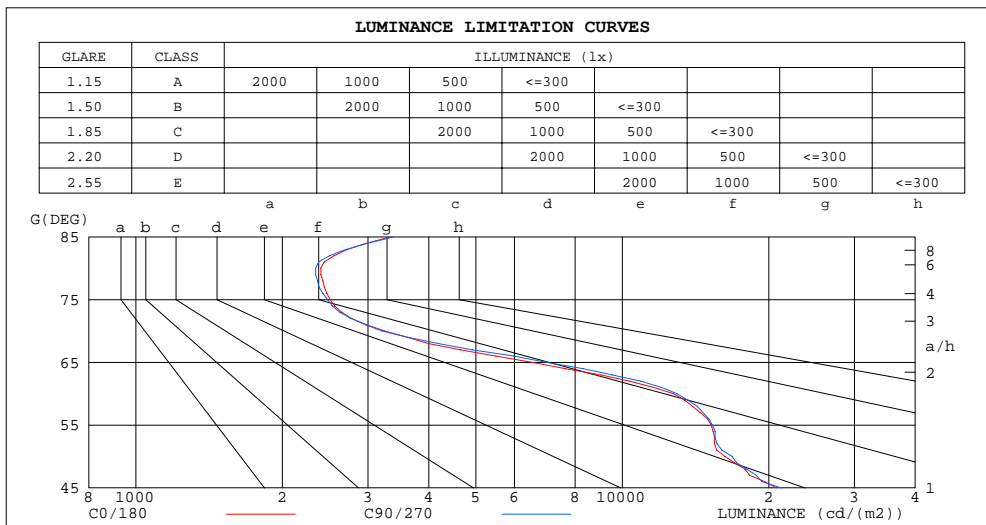
%lamp = 93.9%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-03

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:0.3020A P:60.10W PF:0.9743 Freq:49.99Hz Lamp Flux:6943.51x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D-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	3343	3392
80	2400	2341
75	2507	2477
70	3208	3244
65	6519	6977
60	12745	12948
55	15234	15309
50	16253	16816
45	20729	21212

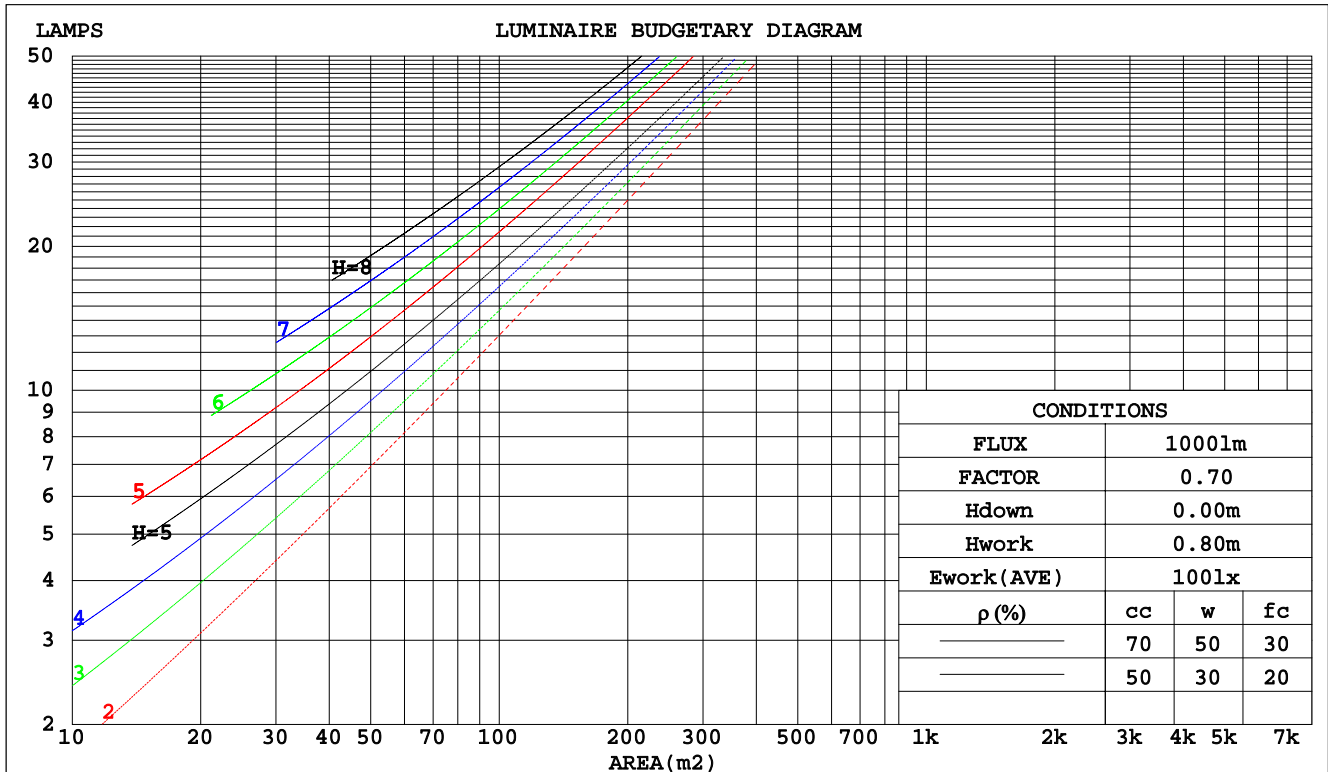
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-03

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:0.3020A P:60.10W PF:0.9743 Freq:49.99Hz Lamp Flux:6943.51x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D-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	1.08	1.05	1.02	1.06	1.03	1.00	1.02	.99	.97	.98	.96	.94	.94	.93	.91	.89
2.0	.97	.92	.87	.95	.91	.86	.92	.88	.84	.89	.86	.83	.86	.83	.81	.79
3.0	.88	.81	.76	.86	.80	.75	.83	.78	.74	.81	.76	.73	.78	.75	.72	.70
4.0	.79	.72	.67	.78	.71	.66	.76	.70	.65	.74	.69	.65	.72	.67	.64	.62
5.0	.72	.65	.59	.71	.64	.59	.69	.63	.58	.67	.62	.58	.66	.61	.57	.55
6.0	.66	.58	.53	.65	.58	.52	.63	.57	.52	.62	.56	.52	.60	.55	.51	.49
7.0	.60	.53	.47	.60	.52	.47	.58	.52	.47	.57	.51	.47	.56	.50	.46	.45
8.0	.56	.48	.43	.55	.48	.43	.54	.47	.42	.53	.47	.42	.51	.46	.42	.40
9.0	.51	.44	.39	.51	.44	.39	.50	.43	.39	.49	.43	.39	.48	.42	.38	.37
10.0	.48	.40	.36	.47	.40	.36	.46	.40	.35	.45	.39	.35	.44	.39	.35	.34



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-03

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:0.3020A P:60.10W PF:0.9743 Freq:49.99Hz Lamp Flux:6943.51x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D-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	.233	.133	.042	.226	.129	.041	.213	.122	.039	.202	.116	.037	.191	.111	.036	
2.0	.227	.124	.038	.221	.122	.037	.210	.117	.036	.199	.112	.035	.190	.107	.034	
3.0	.216	.115	.034	.211	.113	.034	.201	.109	.033	.192	.105	.032	.184	.102	.032	
4.0	.205	.107	.031	.200	.105	.031	.192	.102	.030	.184	.099	.030	.177	.096	.029	
5.0	.194	.099	.029	.190	.097	.028	.182	.095	.028	.175	.092	.028	.169	.090	.027	
6.0	.183	.092	.026	.180	.091	.026	.173	.089	.026	.167	.087	.025	.161	.085	.025	
7.0	.173	.086	.024	.170	.085	.024	.164	.083	.024	.159	.081	.024	.153	.080	.023	
8.0	.164	.080	.023	.161	.079	.022	.156	.078	.022	.151	.076	.022	.146	.075	.022	
9.0	.156	.075	.021	.153	.075	.021	.148	.073	.021	.144	.072	.021	.139	.071	.020	
10.0	.148	.071	.020	.146	.070	.020	.141	.069	.019	.137	.068	.019	.133	.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	.175	.157	.140	.150	.135	.121	.102	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.164	.132	.106	.140	.114	.092	.096	.079	.064	.055	.046	.037	.018	.015	.012	
3.0	.154	.114	.082	.132	.098	.071	.091	.068	.050	.052	.040	.029	.017	.013	.010	
4.0	.146	.100	.065	.125	.086	.056	.086	.060	.040	.050	.035	.023	.016	.011	.008	
5.0	.139	.089	.053	.119	.077	.046	.082	.054	.032	.048	.032	.019	.015	.010	.006	
6.0	.132	.080	.044	.113	.070	.038	.078	.049	.027	.045	.029	.016	.015	.009	.005	
7.0	.126	.073	.037	.108	.064	.032	.075	.045	.023	.043	.026	.013	.014	.009	.004	
8.0	.120	.068	.031	.103	.059	.027	.072	.041	.019	.042	.024	.012	.013	.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:2018-01-03

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:0.3020A P:60.10W PF:0.9743 Freq:49.99Hz Lamp Flux:6943.51x1 lm											
NAME: AOK-oH					TYPE:LED			WEIGHT:2.9KG			
SPEC.:AOK-60WoH-3030-120D-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		14.7	16.0	15.0	16.2	16.4	14.6	15.9	14.9	16.1	16.3
	3H	14.7	15.9	15.0	16.1	16.4	14.7	15.8	15.0	16.1	16.3
	4H	14.7	15.8	15.0	16.0	16.3	14.6	15.7	14.9	16.0	16.2
	6H	14.6	15.7	15.0	15.9	16.2	14.6	15.6	14.9	15.9	16.1
	8H	14.6	15.6	14.9	15.9	16.1	14.5	15.5	14.9	15.8	16.1
	12H	14.6	15.5	14.9	15.8	16.1	14.5	15.5	14.9	15.7	16.0
4H	2H	14.8	15.9	15.1	16.2	16.4	14.7	15.8	15.0	16.1	16.3
	3H	14.9	15.8	15.2	16.1	16.4	14.8	15.7	15.1	16.0	16.3
	4H	14.8	15.7	15.2	16.0	16.3	14.8	15.6	15.1	15.9	16.3
	6H	14.8	15.5	15.2	15.9	16.2	14.7	15.5	15.1	15.8	16.2
	8H	14.8	15.5	15.2	15.8	16.2	14.7	15.4	15.1	15.8	16.2
	12H	14.8	15.4	15.2	15.8	16.2	14.7	15.4	15.1	15.7	16.1
8H	4H	14.7	15.4	15.1	15.8	16.2	14.7	15.4	15.1	15.7	16.1
	6H	14.7	15.3	15.2	15.7	16.1	14.7	15.2	15.1	15.6	16.1
	8H	14.7	15.2	15.2	15.7	16.1	14.7	15.2	15.1	15.6	16.0
	12H	14.8	15.2	15.2	15.6	16.1	14.7	15.1	15.2	15.6	16.1
12H	4H	14.7	15.3	15.1	15.7	16.1	14.6	15.3	15.0	15.6	16.0
	6H	14.7	15.2	15.1	15.6	16.1	14.6	15.1	15.1	15.6	16.0
	8H	14.7	15.1	15.2	15.6	16.1	14.7	15.1	15.1	15.5	16.0
Variations with the observer position at spacings:											
S = 1.0H	+ 0.9 / - 1.3					+ 1.0 / - 1.4					
1.5H	+ 1.2 / - 1.3					+ 1.2 / - 1.2					
2.0H	+ 1.2 / - 2.0					+ 1.4 / - 2.1					

CIE Pub.117, 6944 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 6.7$)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-03

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:0.3020A P:60.10W PF:0.9743 Freq:49.99Hz Lamp Flux:6943.51x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D-PC-ALL	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:

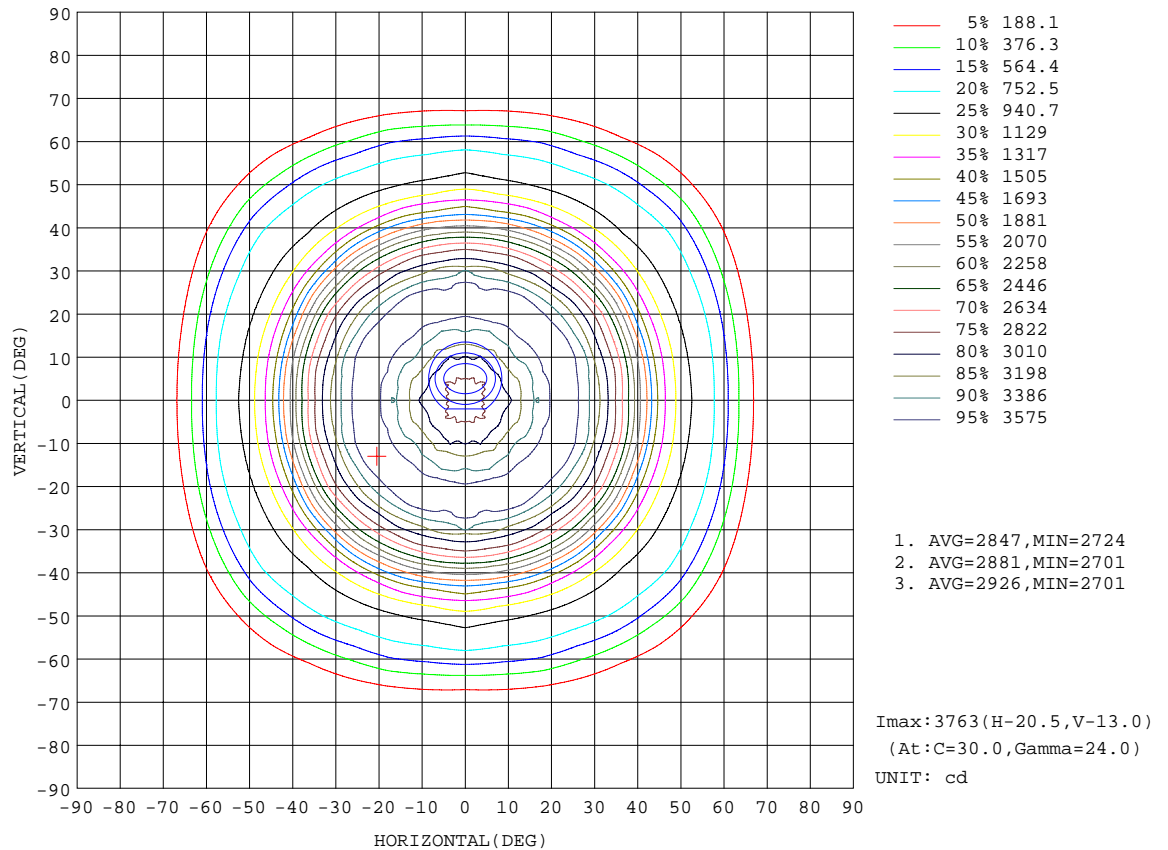
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	70	61	55	70	61	55	69	60	55	50
0.80	80	71	65	79	71	65	78	70	65	59
1.00	87	79	74	86	79	73	84	79	73	67
1.25	94	86	81	92	85	80	90	84	79	74
1.50	98	90	85	96	90	85	94	88	84	78
2.00	103	96	92	101	95	91	98	93	90	83
2.50	105	100	95	103	98	94	100	96	93	86
3.00	108	103	99	106	101	98	102	98	96	88
4.00	110	106	103	108	105	102	104	101	99	91
5.00	112	109	106	110	107	104	106	103	101	93
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:2018-01-03

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:0.3020A P:60.10W PF:0.9743 Freq:49.99Hz Lamp Flux:6943.51x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D-PC-ALL	DIM.: $\phi 0.248 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16\text{M}$	Shielding Angle:

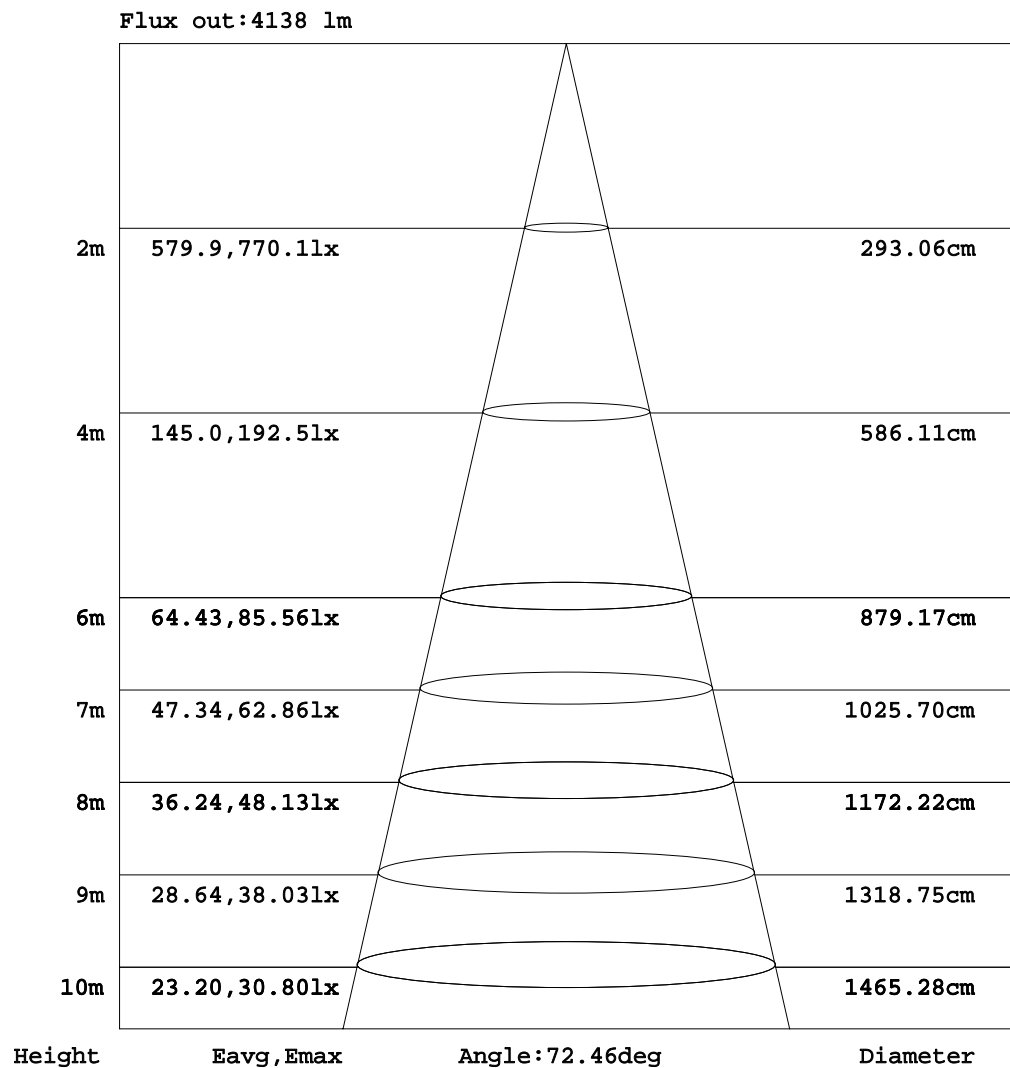


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-03

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:0.3020A P:60.10W PF:0.9743 Freq:49.99Hz Lamp Flux:6943.51x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D-PC-ALL	DIM.: $\phi 0.248 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16\text{M}$	Shielding Angle:



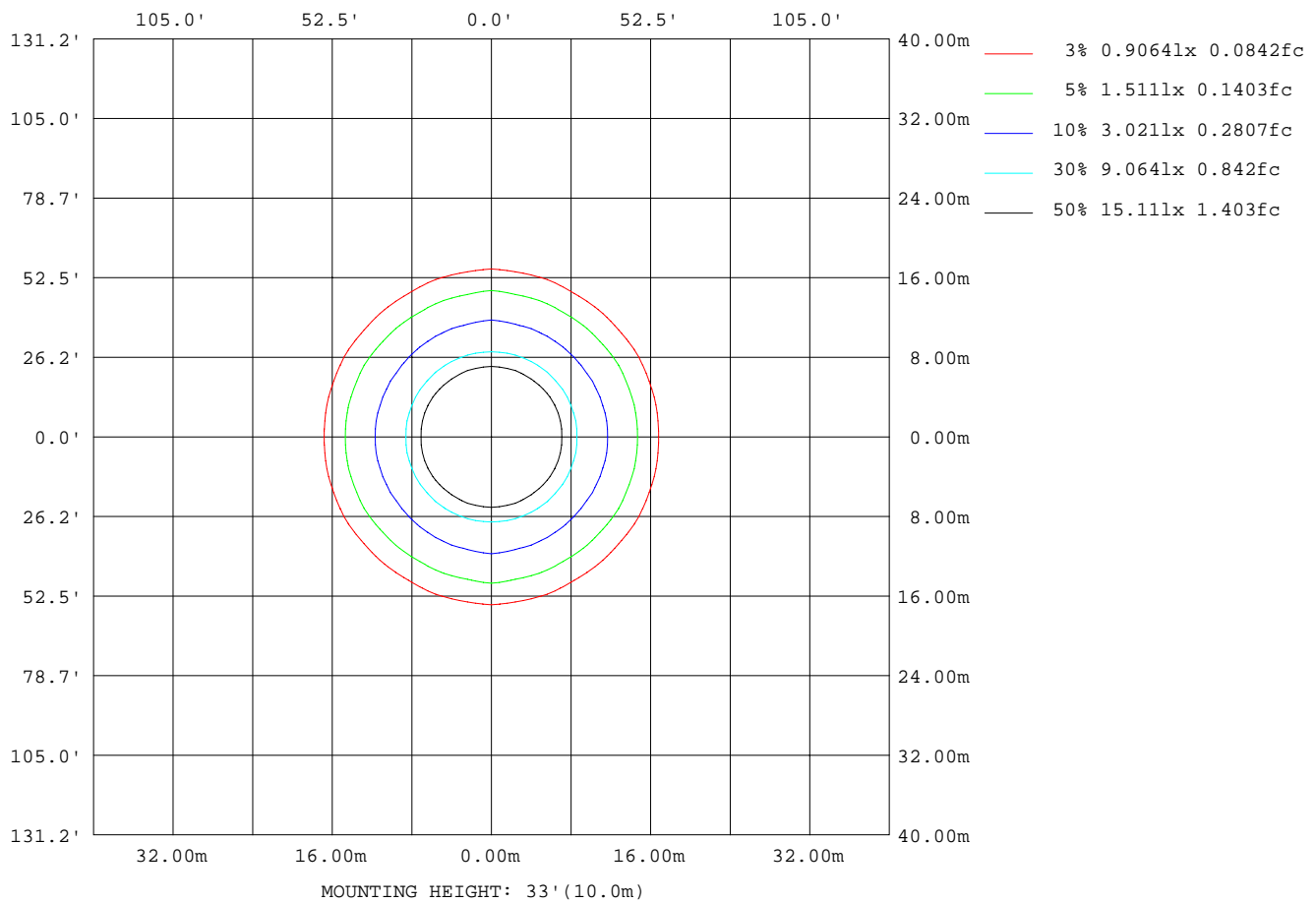
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-03

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:0.3020A P:60.10W PF:0.9743 Freq:49.99Hz Lamp Flux:6943.51x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D-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:2018-01-03

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:0.3020A P:60.10W PF:0.9743 Freq:49.99Hz Lamp Flux:6943.51x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D-PC-ALL	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

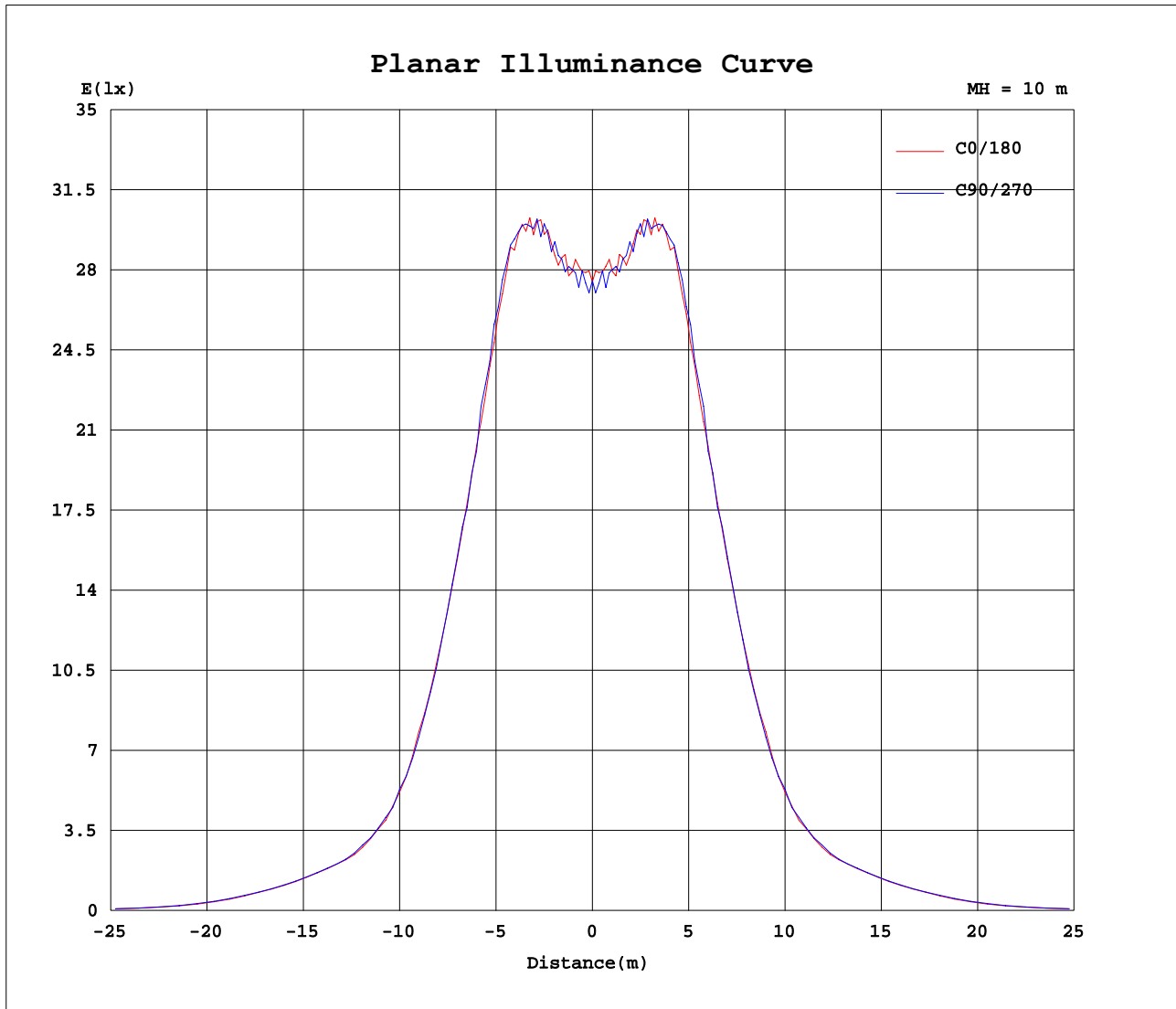
AvgL	cd/m2
L_0~180 (65) av	6531
L_0~180 (75) av	2512
L_0~180 (85) av	3349
L_90~270 (65) av	6978
L_90~270 (75) av	2477
L_90~270 (85) av	3392
L_45 (65) av	6658
L_45 (75) av	2392
L_45 (85) av	3237

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-03

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: 2018-01-03

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:0.3020A P:60.10W PF:0.9743 Freq:49.99Hz Lamp Flux:6943.51x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D-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	2753	2753	2753	2753	2753	2753	2753	2753	2753	2753	2753	2753	2753	2753	2753	2753	2753	2753	2753
5	2884	2822	2882	2790	2832	2799	2858	2782	2828	2820	2828	2782	2858	2799	2832	2790	2882	2822	2884
10	2959	3021	3091	3022	3031	3073	3008	2998	3029	2998	3029	2998	3008	3073	3031	3022	3091	3021	2959
15	3356	3361	3330	3340	3357	3351	3345	3319	3344	3269	3344	3319	3345	3351	3357	3340	3330	3361	3356
20	3622	3578	3597	3609	3613	3634	3605	3600	3621	3608	3621	3600	3605	3634	3613	3609	3597	3578	3622
25	3627	3669	3644	3730	3701	3690	3647	3664	3701	3704	3701	3664	3647	3690	3701	3730	3644	3669	3627
30	3296	3365	3357	3321	3312	3286	3265	3294	3322	3395	3322	3294	3265	3286	3312	3321	3357	3365	3296
35	2801	2848	2829	2856	2832	2803	2787	2814	2785	2819	2785	2814	2787	2803	2832	2856	2829	2848	2801
40	2150	2160	2191	2186	2144	2160	2124	2126	2164	2128	2164	2126	2124	2160	2144	2186	2191	2160	2150
45	1468	1459	1431	1437	1406	1454	1444	1468	1436	1500	1436	1468	1444	1454	1406	1437	1431	1459	1468
50	1047	1055	1048	1046	1005	999	1013	1036	1032	1081	1032	1036	1013	999	1005	1046	1048	1055	1047
55	875	865	868	866	844	837	832	841	836	878	836	841	832	837	844	866	868	865	875
60	638	640	638	640	618	615	602	637	624	647	624	637	602	615	618	640	638	640	638
65	276	288	292	299	281	285	291	322	307	295	307	322	291	285	281	299	292	288	276
70	110	106	111	109	110	112	118	115	112	111	112	115	118	112	110	109	111	106	110
75	65.0	64.1	63.9	63.8	62.1	62.1	63.1	65.0	63.8	64.1	63.8	65.0	63.1	62.1	62.1	63.8	63.9	64.1	65.0
80	41.7	41.5	41.1	41.5	40.2	40.0	40.3	41.1	40.3	40.7	40.3	41.1	40.3	40.0	40.2	41.5	41.1	41.5	41.7
85	29.2	29.1	28.6	28.5	28.1	28.4	28.6	29.3	29.4	29.6	29.4	29.3	28.6	28.4	28.1	28.5	28.6	29.1	29.2
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:2018-01-03

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:0.3020A P:60.10W PF:0.9743 Freq:49.99Hz Lamp Flux:6943.51x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D-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	2753	2753	2753	2753	2753	2753	2753	2753	2753	2753	2753	2753	2753	2753	2753	2753	2753		
5	2822	2882	2790	2832	2799	2858	2782	2828	2820	2828	2782	2858	2799	2832	2790	2882	2822		
10	3021	3091	3022	3031	3073	3008	2998	3029	2998	3029	2998	3008	3073	3031	3022	3091	3021		
15	3361	3330	3340	3357	3351	3345	3319	3344	3269	3344	3319	3345	3351	3357	3340	3330	3361		
20	3578	3597	3609	3613	3634	3605	3600	3621	3608	3621	3600	3605	3634	3613	3609	3597	3578		
25	3669	3644	3730	3701	3690	3647	3664	3701	3704	3701	3664	3647	3690	3701	3730	3644	3669		
30	3365	3357	3321	3312	3286	3265	3294	3322	3395	3322	3294	3265	3286	3312	3321	3357	3365		
35	2848	2829	2856	2832	2803	2787	2814	2785	2819	2785	2814	2787	2803	2832	2856	2829	2848		
40	2160	2191	2186	2144	2160	2124	2126	2164	2128	2164	2126	2124	2160	2144	2186	2191	2160		
45	1459	1431	1437	1406	1454	1444	1468	1436	1500	1436	1468	1444	1454	1406	1437	1431	1459		
50	1055	1048	1046	1005	999	1013	1036	1032	1081	1032	1036	1013	999	1005	1046	1048	1055		
55	865	868	866	844	837	832	841	836	878	836	841	832	837	844	866	868	865		
60	640	638	640	618	615	602	637	624	647	624	637	602	615	618	640	638	640		
65	288	292	299	281	285	291	322	307	295	307	322	291	285	281	299	292	288		
70	106	111	109	110	112	118	115	112	111	112	115	118	112	110	109	111	106		
75	64.1	63.9	63.8	62.1	62.1	63.1	65.0	63.8	64.1	63.8	65.0	63.1	62.1	62.1	63.8	63.9	64.1		
80	41.5	41.1	41.5	40.2	40.0	40.3	41.1	40.3	40.7	40.3	41.1	40.3	40.0	40.2	41.5	41.1	41.5		
85	29.1	28.6	28.5	28.1	28.4	28.6	29.3	29.4	29.6	29.4	29.3	28.6	28.4	28.1	28.5	28.6	29.1		
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:2018-01-03

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: