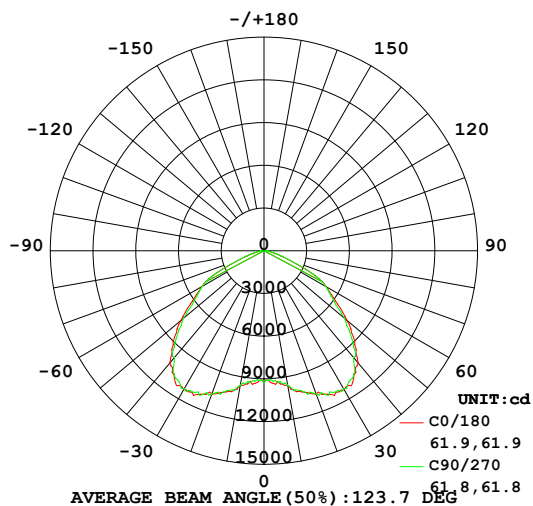


LUMINAIRE PHOTOMETRIC TEST REPORT

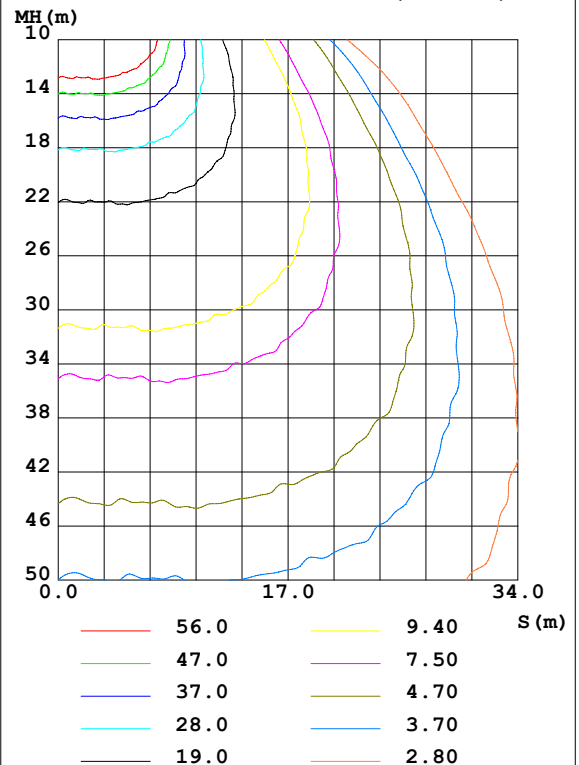
Test:U:220.0V I:1.136A P:240.1W PF:0.9792 Freq:49.99Hz Lamp Flux:32844.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240Woh-5050-120D-PC-ALL	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 136.79 lm/W			
MODEL	5050	I _{max} (cd)	11408	S/MH (C0/180)	1.62
NOMINAL POWER (W)	240	LOR (%)	100.0	S/MH (C90/270)	1.58
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	32844	η UP, DN (C0-180)	0.0, 50.0
NOMINAL FLUX (lm)	32844.1	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 50.0
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	1.55

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	958.0	963.2	958.5	963.2	958.0	963.2	958.5	963.2	0- 10	898.4	898.4	2.74,2.74
20	1073	1087	1072	1087	1073	1087	1072	1087	10- 20	2928	3827	11.7,11.7
30	1126	1130	1118	1130	1126	1130	1118	1130	20- 30	5155	8982	27.3,27.3
40	1029	1011	978.0	1011	1029	1011	978.0	1011	30- 40	6792	15773	48,48
50	758.3	757.4	738.8	757.4	758.3	757.4	738.8	757.4	40- 50	6824	22597	68.8,68.8
60	503.8	498.7	501.6	498.7	503.8	498.7	501.6	498.7	50- 60	5452	28050	85.4,85.4
70	183.3	179.5	181.9	179.5	183.3	179.5	181.9	179.5	60- 70	3451	31501	95.9,95.9
80	45.85	46.07	48.00	46.07	45.85	46.07	48.00	46.07	70- 80	1047	32548	99.1,99.1
90	0	0	0	0	0	0	0	0	80- 90	296.5	32844	100,100
100	0	0	0	0	0	0	0	0	90-100	0	32844	100,100
110	0	0	0	0	0	0	0	0	100-110	0	32844	100,100
120	0	0	0	0	0	0	0	0	110-120	0	32844	100,100
130	0	0	0	0	0	0	0	0	120-130	0	32844	100,100
140	0	0	0	0	0	0	0	0	130-140	0	32844	100,100
150	0	0	0	0	0	0	0	0	140-150	0	32844	100,100
160	0	0	0	0	0	0	0	0	150-160	0	32844	100,100
170	0	0	0	0	0	0	0	0	160-170	0	32844	100,100
180	0	0	0	0	0	0	0	0	170-180	0	32844	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 19283 lm

%lum = 58.7%

%lamp = 58.7%

Conical surface Flux(120deg): 28050 lm

%lum = 85.4%

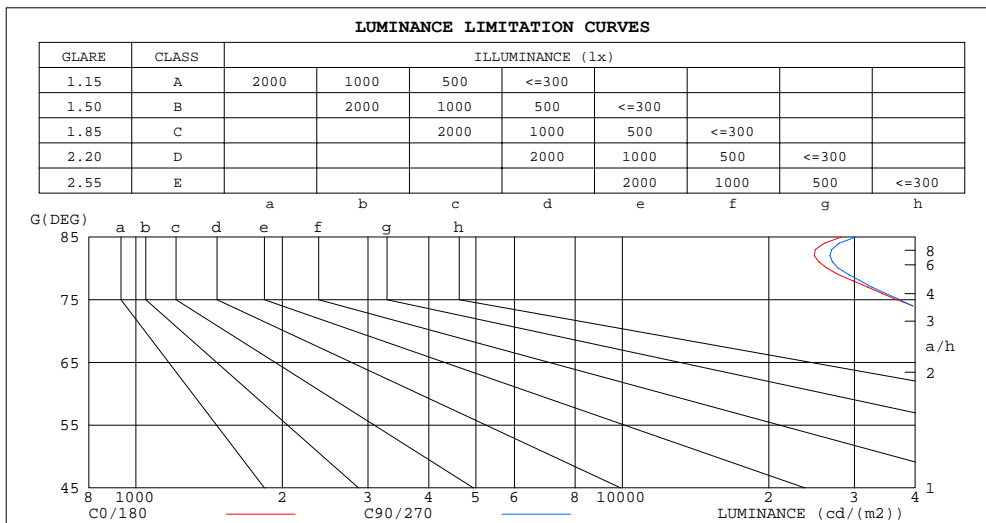
%lamp = 85.4%

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:220.0V I:1.136A P:240.1W PF:0.9792 Freq:49.99Hz Lamp Flux:32844.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240Woh-5050-120D-PC-ALL	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	28283	30271
80	26352	27803
75	36622	37163
70	53506	53488
65	86089	88039
60	100571	100895
55	106536	103790
50	117752	115600
45	127316	124245

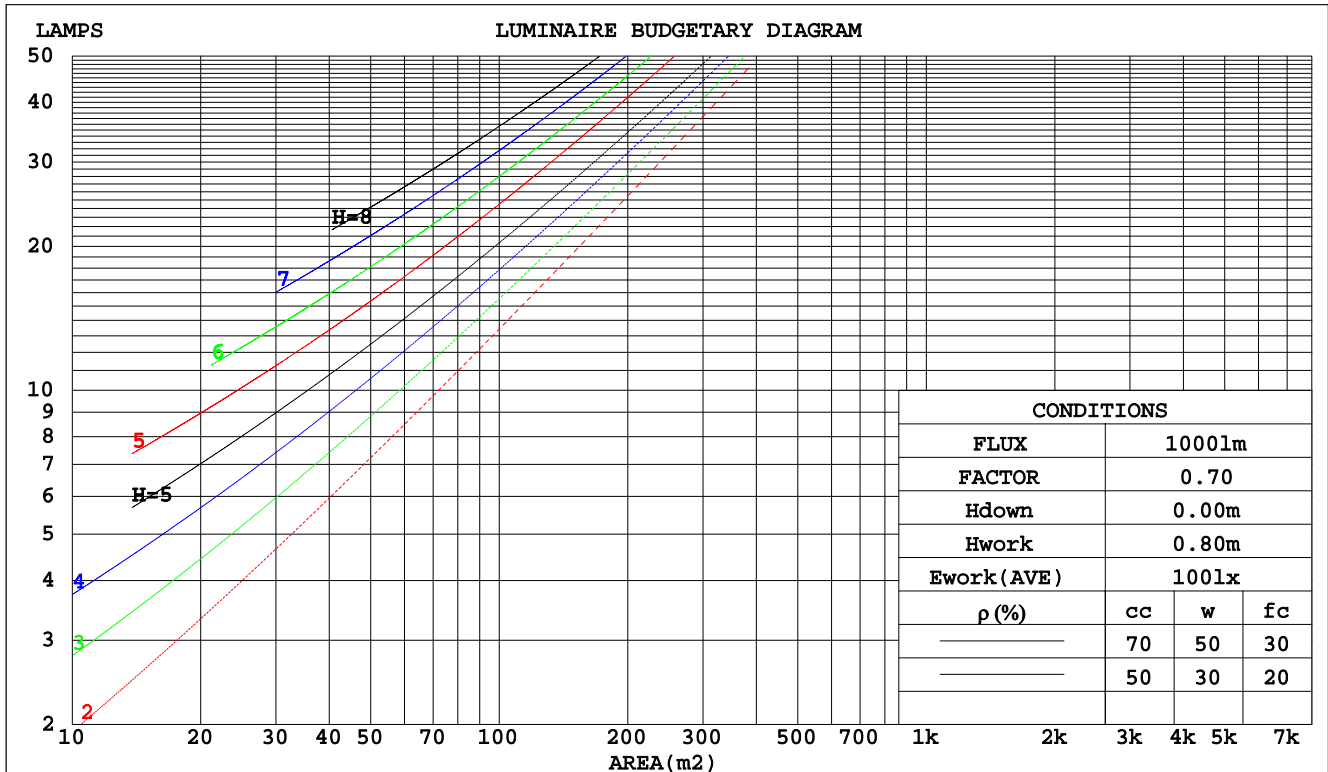
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-05

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:220.0V I:1.136A P:240.1W PF:0.9792 Freq:49.99Hz Lamp Flux:32844.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240Woh-5050-120D-PC-ALL	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	1.00
1.0	1.06	1.02	.98	1.03	.90	.97	.99	.96	.94	.95	.93	.91	.92	.90	.88	.86
2.0	.93	.86	.81	.91	.85	.80	.87	.83	.78	.84	.80	.77	.81	.78	.75	.73
3.0	.82	.74	.68	.80	.73	.67	.77	.71	.66	.75	.69	.65	.72	.68	.64	.62
4.0	.73	.64	.58	.71	.63	.57	.69	.62	.57	.67	.61	.56	.64	.59	.55	.53
5.0	.65	.56	.50	.64	.56	.49	.62	.54	.49	.60	.53	.48	.58	.52	.48	.46
6.0	.58	.49	.43	.57	.49	.43	.56	.48	.43	.54	.47	.42	.52	.46	.42	.40
7.0	.53	.44	.38	.52	.44	.38	.50	.43	.38	.49	.42	.37	.48	.42	.37	.35
8.0	.48	.39	.34	.47	.39	.34	.46	.39	.33	.45	.38	.33	.43	.37	.33	.31
9.0	.44	.36	.30	.43	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.30	.28
10.0	.40	.32	.27	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.27	.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:

WEC AND CCEC

Test:U:220.0V I:1.136A P:240.1W PF:0.9792 Freq:49.99Hz Lamp Flux:32844.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240Woh-5050-120D-PC-ALL	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	.279	.158	.050	.272	.155	.049	.258	.148	.047	.246	.142	.046	.235	.136	.044		
2.0	.269	.148	.045	.263	.145	.045	.252	.140	.043	.241	.135	.042	.231	.131	.041		
3.0	.254	.135	.040	.249	.133	.040	.239	.129	.039	.229	.126	.039	.220	.122	.038		
4.0	.238	.124	.036	.233	.122	.036	.224	.119	.035	.216	.116	.035	.208	.113	.034		
5.0	.222	.113	.033	.218	.112	.033	.210	.109	.032	.203	.107	.032	.196	.105	.031		
6.0	.208	.104	.030	.204	.103	.030	.197	.101	.029	.190	.099	.029	.184	.097	.029		
7.0	.195	.096	.027	.191	.095	.027	.185	.094	.027	.179	.092	.027	.173	.090	.026		
8.0	.183	.089	.025	.180	.089	.025	.174	.087	.025	.169	.085	.025	.164	.084	.024		
9.0	.172	.083	.023	.169	.082	.023	.164	.081	.023	.159	.080	.023	.155	.079	.023		
10.0	.162	.078	.022	.160	.077	.022	.155	.076	.021	.151	.075	.021	.147	.074	.021		

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	.178	.156	.137	.152	.134	.118	.104	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.169	.132	.101	.145	.114	.087	.099	.079	.061	.057	.046	.036	.018	.015	.012	
3.0	.161	.114	.077	.138	.099	.066	.095	.068	.047	.055	.040	.027	.018	.013	.009	
4.0	.154	.101	.060	.132	.087	.052	.091	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.147	.090	.048	.126	.078	.042	.087	.055	.030	.050	.032	.018	.016	.010	.006	
6.0	.140	.082	.040	.121	.071	.035	.083	.050	.025	.048	.029	.015	.016	.010	.005	
7.0	.134	.075	.034	.115	.065	.029	.080	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.128	.069	.029	.110	.060	.025	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.122	.064	.025	.105	.056	.022	.073	.039	.016	.042	.023	.009	.014	.008	.003	
10.0	.117	.060	.023	.100	.052	.020	.070	.037	.014	.041	.022	.008	.013	.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:1.136A P:240.1W PF:0.9792 Freq:49.99Hz Lamp Flux:32844.1x1 lm										
NAME: AOK-oH					TYPE:LED			WEIGHT:6.0KG		
SPEC.:AOK-240WoH-5050-120D-PC-ALL					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	17.2	18.7	17.5	18.9	19.1	17.1	18.6	17.4	18.8	19.0
3H	17.9	19.2	18.2	19.5	19.7	17.8	19.1	18.1	19.3	19.6
4H	18.0	19.2	18.3	19.5	19.7	17.8	19.1	18.2	19.4	19.6
6H	18.0	19.2	18.3	19.4	19.7	17.8	19.1	18.2	19.3	19.6
8H	17.9	19.1	18.3	19.4	19.7	17.8	19.0	18.2	19.3	19.6
12H	17.9	19.0	18.3	19.3	19.6	17.8	18.9	18.2	19.2	19.5
4H 2H	17.6	18.9	17.9	19.1	19.4	17.5	18.8	17.8	19.0	19.3
3H	18.3	19.4	18.7	19.7	20.0	18.2	19.3	18.6	19.6	19.9
4H	18.5	19.5	18.8	19.8	20.1	18.4	19.4	18.7	19.7	20.0
6H	18.5	19.4	18.9	19.7	20.1	18.4	19.3	18.8	19.6	20.0
8H	18.5	19.3	18.9	19.7	20.1	18.4	19.2	18.8	19.6	20.0
12H	18.5	19.3	18.9	19.7	20.1	18.4	19.2	18.9	19.6	20.0
8H 4H	18.4	19.3	18.8	19.6	20.0	18.3	19.2	18.8	19.5	19.9
6H	18.5	19.2	19.0	19.6	20.0	18.5	19.1	18.9	19.5	20.0
8H	18.6	19.2	19.0	19.6	20.0	18.5	19.1	19.0	19.5	20.0
12H	18.6	19.1	19.1	19.6	20.1	18.6	19.1	19.0	19.5	20.0
12H 4H	18.4	19.2	18.8	19.5	19.9	18.3	19.1	18.7	19.5	19.9
6H	18.5	19.1	19.0	19.5	20.0	18.4	19.0	18.9	19.5	19.9
8H	18.6	19.1	19.1	19.5	20.0	18.5	19.0	19.0	19.5	19.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.5					+ 0.5 / - 0.5				
1.5H	+ 0.3 / - 0.4					+ 0.1 / - 0.2				
2.0H	+ 0.6 / - 0.9					+ 0.4 / - 0.8				

CIE Pub.117, 32844 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 12.1$)

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:1.136A P:240.1W PF:0.9792 Freq:49.99Hz Lamp Flux:32844.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240WoH-5050-120D-PC-ALL	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

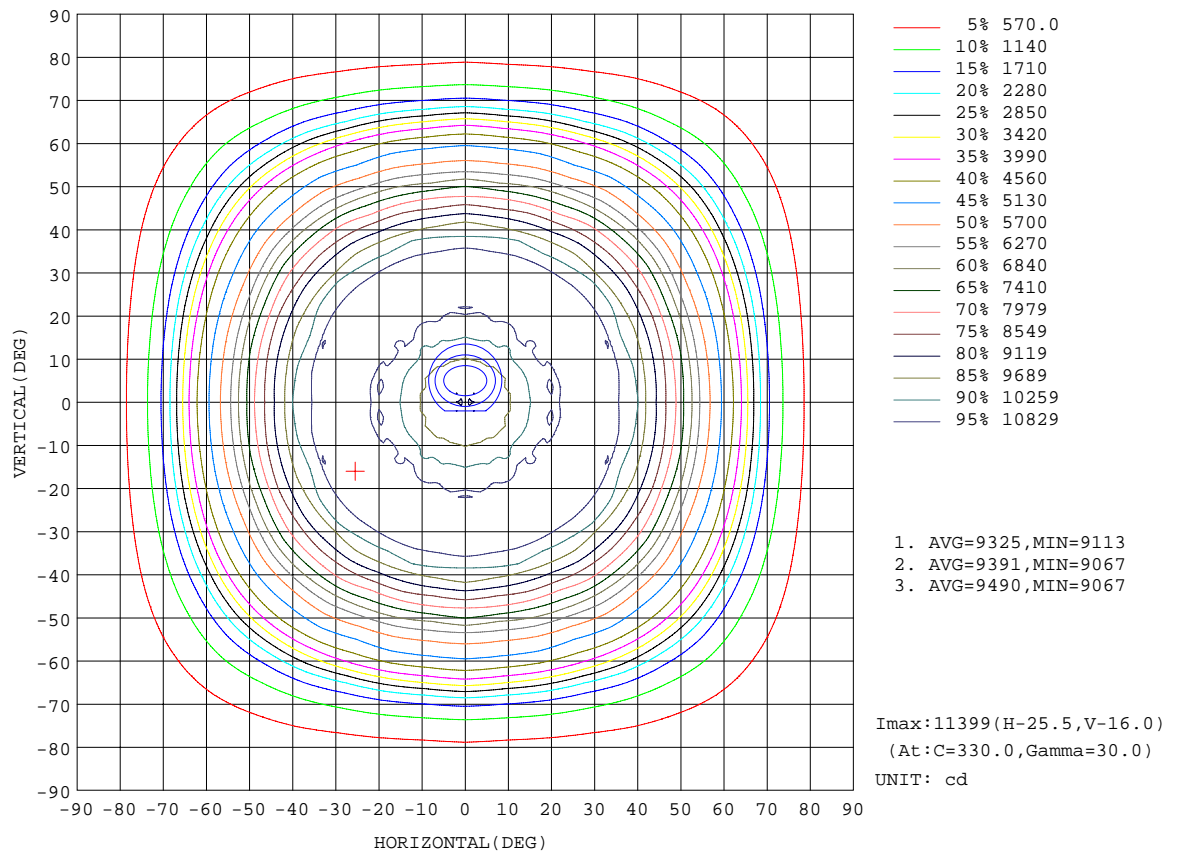
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	59	48	41	58	47	41	57	47	40	34
0.80	70	58	51	69	58	51	67	57	51	44
1.00	78	68	61	77	67	61	75	69	60	53
1.25	86	76	69	84	75	69	82	74	68	61
1.50	91	81	75	89	81	74	86	79	73	66
2.00	97	90	84	96	88	83	92	86	81	74
2.50	101	94	88	99	92	87	95	90	86	78
3.00	104	98	93	102	96	92	98	93	90	82
4.00	108	103	98	105	101	97	101	97	94	86
5.00	110	105	102	107	104	100	103	100	97	88
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHR _{NOM} = 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:1.136A P:240.1W PF:0.9792 Freq:49.99Hz Lamp Flux:32844.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240WoH-5050-120D-PC-ALL	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

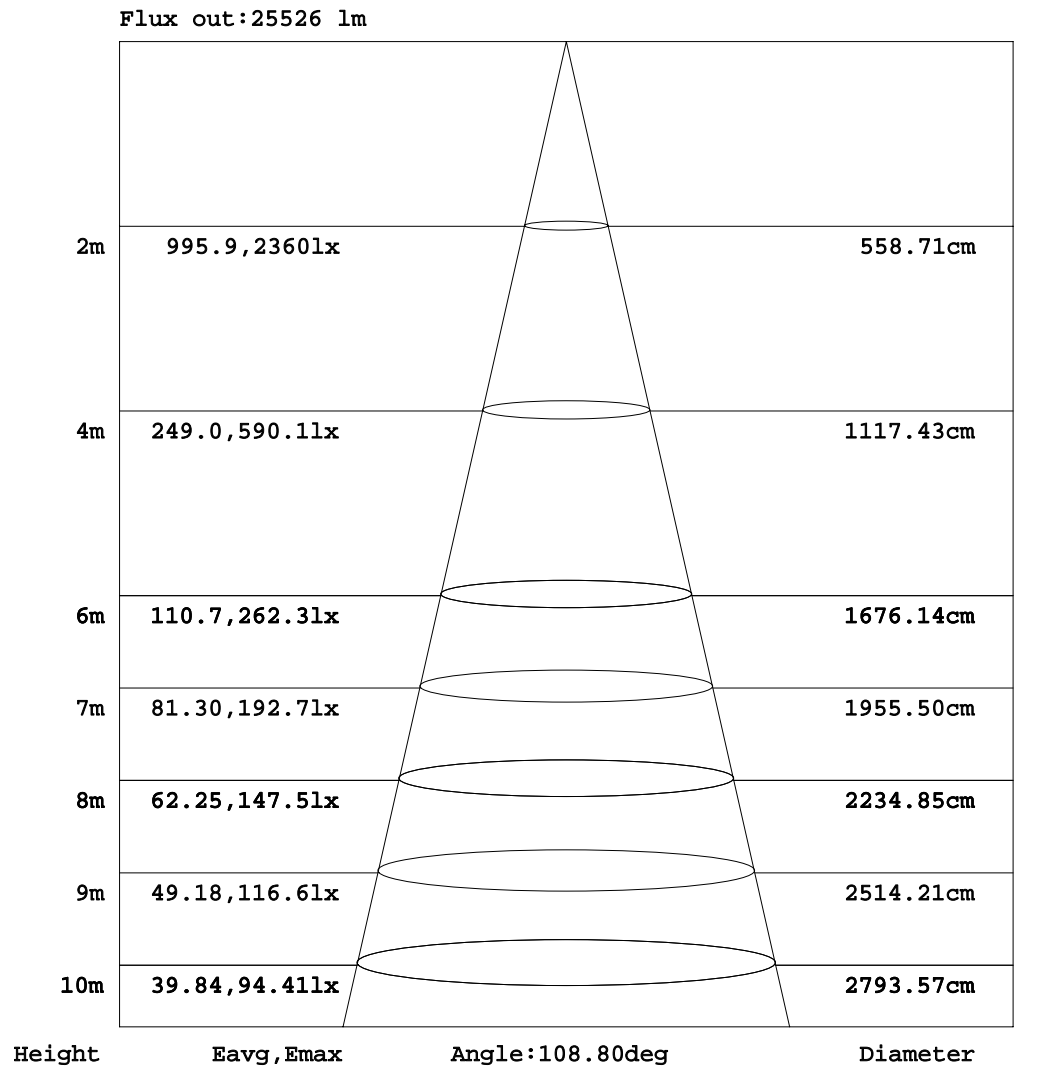


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-05

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:1.136A P:240.1W PF:0.9792 Freq:49.99Hz Lamp Flux:32844.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240WoH-5050-120D-PC-ALL	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:



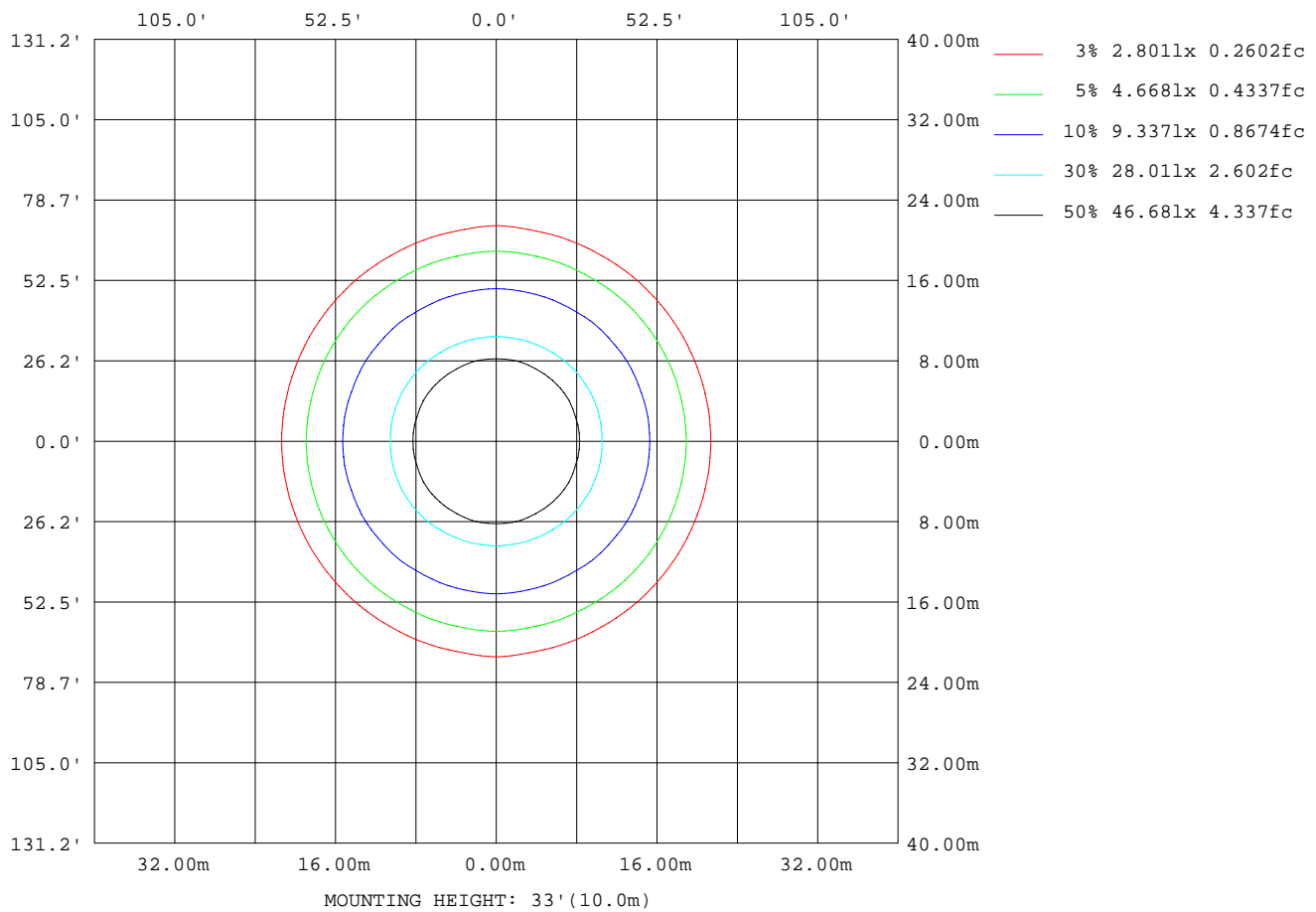
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:1.136A P:240.1W PF:0.9792 Freq:49.99Hz Lamp Flux:32844.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240Woh-5050-120D-PC-ALL	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:1.136A P:240.1W PF:0.9792 Freq:49.99Hz Lamp Flux:32844.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240Woh-5050-120D-PC-ALL	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

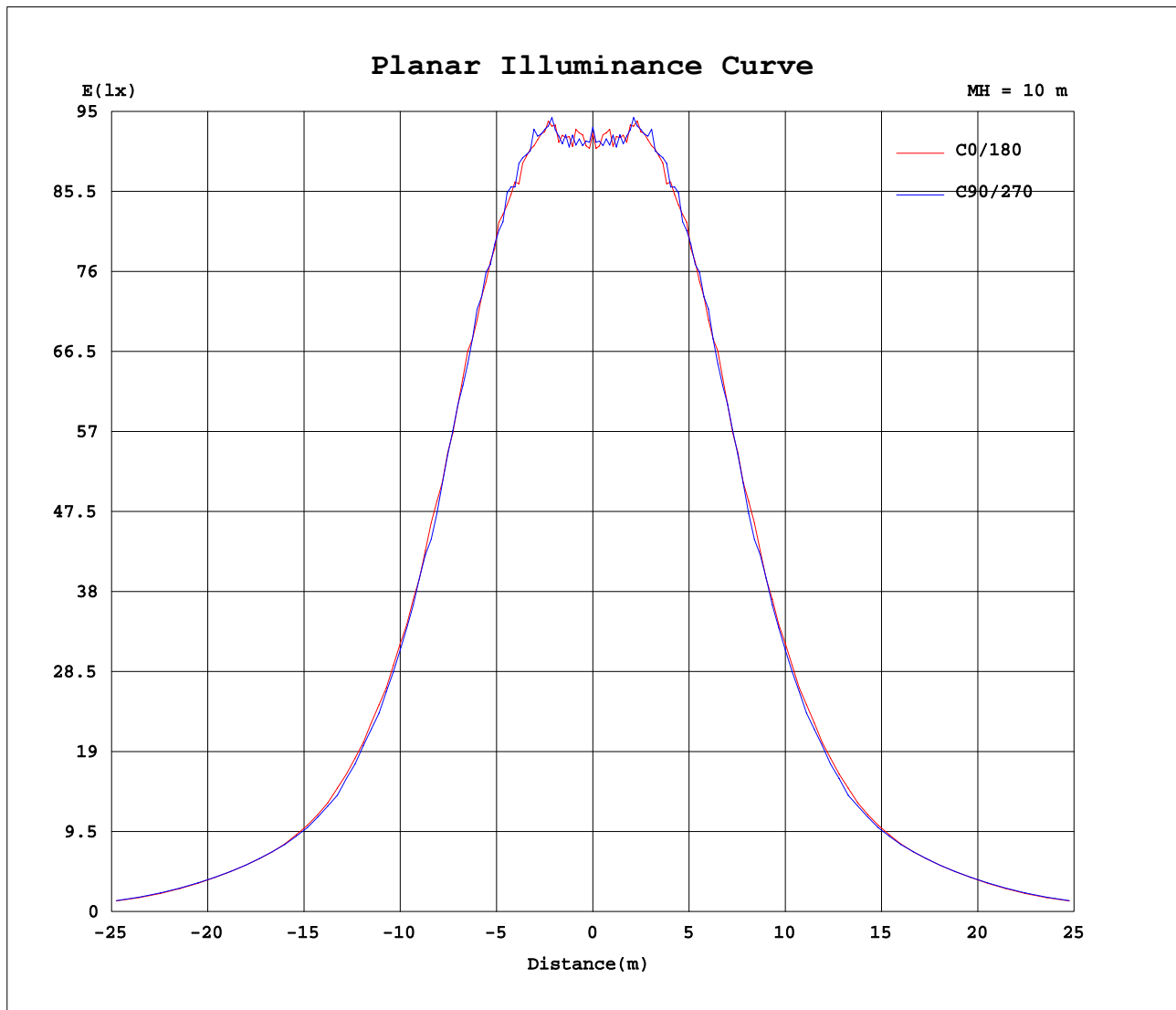
AvgL	cd/m2
L_0~180 (65) av	86251
L_0~180 (75) av	36691
L_0~180 (85) av	28337
L_90~270 (65) av	87529
L_90~270 (75) av	36948
L_90~270 (85) av	30096
L_45 (65) av	84599
L_45 (75) av	35544
L_45 (85) av	28984

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:1.136A P:240.1W PF:0.9792 Freq:49.99Hz Lamp Flux:32844.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240Woh-5050-120D-PC-ALL	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	926	926	926	926	926	926	926	926	926	926	926	926	926	926	926	926	926	926	926
5	941	940	936	941	931	922	923	919	919	915	919	919	923	922	931	941	936	940	941
10	958	962	973	963	965	961	977	969	974	959	974	969	977	961	965	963	973	962	958
15	1027	1027	1024	1026	1036	1019	1030	1021	1034	1019	1034	1021	1030	1019	1036	1026	1024	1027	1027
20	1073	1099	1072	1108	1075	1100	1062	1088	1067	1072	1067	1088	1062	1100	1075	1108	1072	1099	1073
25	1114	1120	1128	1139	1133	1128	1116	1104	1108	1094	1108	1104	1116	1128	1133	1139	1128	1120	1114
30	1126	1118	1117	1141	1124	1137	1122	1119	1120	1118	1120	1119	1122	1137	1124	1141	1117	1118	1126
35	1097	1095	1083	1096	1117	1094	1098	1085	1088	1089	1088	1085	1098	1094	1117	1096	1083	1095	1097
40	1029	1019	1007	1022	1023	998	1002	1010	1004	978	1004	1010	1002	998	1023	1022	1007	1019	1029
45	902	895	899	904	904	891	876	872	866	873	866	872	876	891	904	904	899	895	902
50	758	772	767	766	760	755	735	731	726	739	726	731	735	755	760	766	767	772	758
55	612	613	608	612	607	606	593	594	590	592	590	594	593	606	607	612	608	613	612
60	504	501	498	498	497	501	490	498	496	502	496	498	490	501	497	498	498	501	504
65	365	362	361	359	358	357	355	356	359	370	359	356	355	357	358	359	361	362	365
70	183	184	180	182	179	180	175	178	177	182	177	178	175	180	179	182	180	184	183
75	95.0	95.8	93.2	93.9	91.4	92.8	91.5	92.9	92.8	95.6	92.8	92.9	91.5	92.8	91.4	93.9	93.2	95.8	95.0
80	45.8	46.4	45.7	46.0	45.6	46.5	45.7	46.3	46.2	48.0	46.2	46.3	45.7	46.5	45.6	46.0	45.7	46.4	45.8
85	24.7	24.9	24.7	24.9	24.9	25.6	25.2	25.9	25.5	26.2	25.5	25.9	25.2	25.6	24.9	24.9	24.7	24.9	24.7
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:220.0V I:1.136A P:240.1W PF:0.9792 Freq:49.99Hz Lamp Flux:32844.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240WoH-5050-120D-PC-ALL	DIM.: ϕ 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.29M	Shielding Angle:

Table--2

UNIT: x10cd

C (DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	926	926	926	926	926	926	926	926	926	926	926	926	926	926	926	926	926		
5	940	936	941	931	922	923	919	919	915	919	919	923	922	931	941	936	940		
10	962	973	963	965	961	977	969	974	959	974	969	977	961	965	963	973	962		
15	1027	1024	1026	1036	1019	1030	1021	1034	1019	1034	1021	1030	1019	1036	1026	1024	1027		
20	1099	1072	1108	1075	1100	1062	1088	1067	1072	1067	1088	1062	1100	1075	1108	1072	1099		
25	1120	1128	1139	1133	1128	1116	1104	1108	1094	1108	1104	1116	1128	1133	1139	1128	1120		
30	1118	1117	1141	1124	1137	1122	1119	1120	1118	1120	1119	1122	1137	1124	1141	1117	1118		
35	1095	1083	1096	1117	1094	1098	1085	1088	1089	1088	1085	1098	1094	1117	1096	1083	1095		
40	1019	1007	1022	1023	998	1002	1010	1004	978	1004	1010	1002	998	1023	1022	1007	1019		
45	895	899	904	904	891	876	872	866	873	866	872	876	891	904	904	899	895		
50	772	767	766	760	755	735	731	726	739	726	731	735	755	760	766	767	772		
55	613	608	612	607	606	593	594	590	592	590	594	593	606	607	612	608	613		
60	501	498	498	497	501	490	498	496	502	496	498	490	501	497	498	498	501		
65	362	361	359	358	357	355	356	359	370	359	356	355	357	358	359	361	362		
70	184	180	182	179	180	175	178	177	182	177	178	175	180	179	182	180	184		
75	95.8	93.2	93.9	91.4	92.8	91.5	92.9	92.8	95.6	92.8	92.9	91.5	92.8	91.4	93.9	93.2	95.8		
80	46.4	45.7	46.0	45.6	46.5	45.7	46.3	46.2	48.0	46.2	46.3	45.7	46.5	45.6	46.0	45.7	46.4		
85	24.9	24.7	24.9	24.9	25.6	25.2	25.9	25.5	26.2	25.5	25.9	25.2	25.6	24.9	24.9	24.7	24.9		
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: