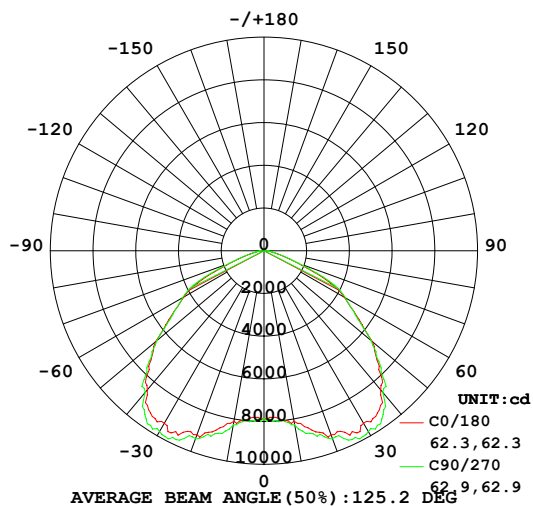


LUMINAIRE PHOTOMETRIC TEST REPORT

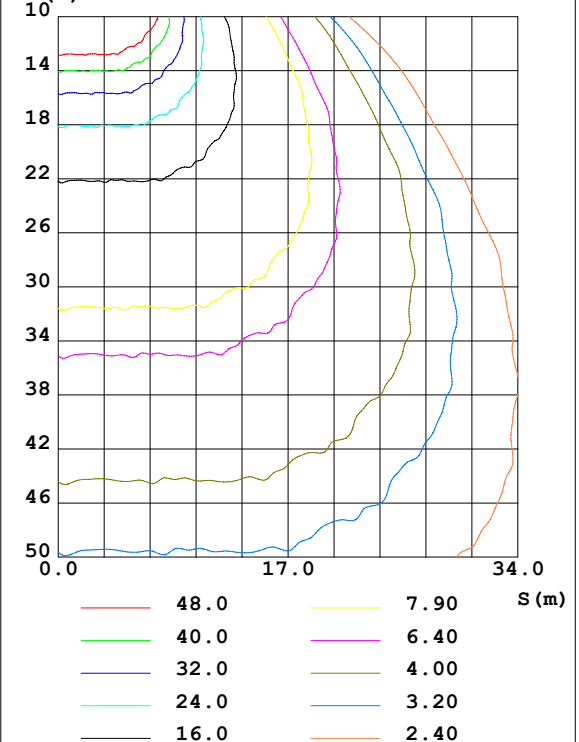
Test:U:220.0V I:0.9654A P:200.1W PF:0.9734 Freq:49.99Hz Lamp Flux:28594.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200Woh-5050-120D-PC-ALL	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 142.90 lm/W			
MODEL	5050	I _{max} (cd)	9941	S/MH (C0/180)	1.62
NOMINAL POWER (W)	200	LOR (%)	100.0	S/MH (C90/270)	1.62
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	28594	η UP, DN (C0-180)	0.0, 50.0
NOMINAL FLUX (lm)	28594.2	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: 2018-01-08

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	8104	8205	8276	8205	8104	8205	8276	8205	0- 10	765.4	765.4	2.68,2.68
20	9166	9264	9367	9264	9166	9264	9367	9264	10- 20	2494	3260	11.4,11.4
30	9331	9662	9777	9662	9331	9662	9777	9662	20- 30	4416	7676	26.8,26.8
40	8503	8844	8651	8844	8503	8844	8651	8844	30- 40	5849	13525	47.3,47.3
50	6635	6641	6542	6641	6635	6641	6542	6641	40- 50	5935	19460	68.1,68.1
60	4342	4363	4419	4363	4342	4363	4419	4363	50- 60	4793	24253	84.8,84.8
70	1637	1655	1725	1655	1637	1655	1725	1655	60- 70	3115	27368	95.7,95.7
80	416.2	411.7	438.2	411.7	416.2	411.7	438.2	411.7	70- 80	962.4	28330	99.1,99.1
90	0	0	0	0	0	0	0	0	80- 90	263.7	28594	100,100
100	0	0	0	0	0	0	0	0	90-100	0	28594	100,100
110	0	0	0	0	0	0	0	0	100-110	0	28594	100,100
120	0	0	0	0	0	0	0	0	110-120	0	28594	100,100
130	0	0	0	0	0	0	0	0	120-130	0	28594	100,100
140	0	0	0	0	0	0	0	0	130-140	0	28594	100,100
150	0	0	0	0	0	0	0	0	140-150	0	28594	100,100
160	0	0	0	0	0	0	0	0	150-160	0	28594	100,100
170	0	0	0	0	0	0	0	0	160-170	0	28594	100,100
180	0	0	0	0	0	0	0	0	170-180	0	28594	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 16570 lm

%lum = 57.9%

%lamp = 57.9%

Conical surface Flux(120deg): 24253 lm

%lum = 84.8%

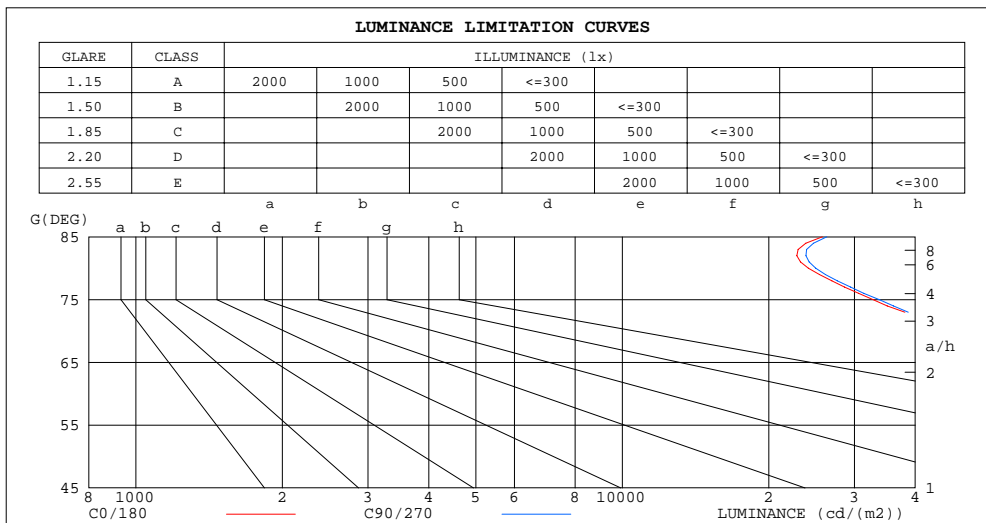
%lamp = 84.8%

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:

LUMINANCE LIMITATION CURVES

Test:U:220.0V I:0.9654A P:200.1W PF:0.9734 Freq:49.99Hz Lamp Flux:28594.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200Woh-5050-120D-PC-ALL	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:



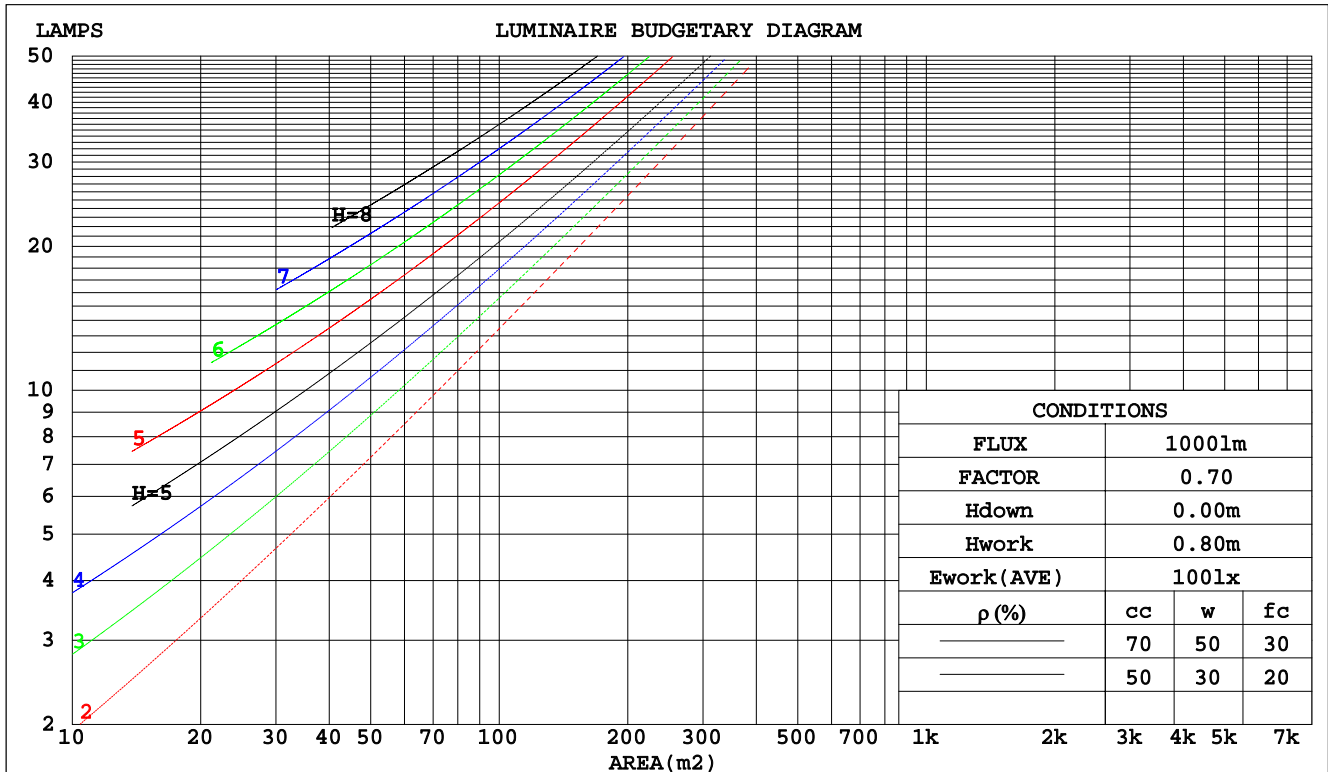
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-08

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:0.9654A P:200.1W PF:0.9734 Freq:49.99Hz Lamp Flux:28594.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-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															



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:0.9654A P:200.1W PF:0.9734 Freq:49.99Hz Lamp Flux:28594.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-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	.281	.160	.051	.274	.156	.050	.261	.150	.048	.249	.143	.046	.238	.138	.044	
2.0	.271	.149	.046	.265	.146	.045	.254	.141	.044	.243	.136	.043	.233	.132	.042	
3.0	.256	.136	.041	.251	.134	.040	.240	.130	.040	.231	.127	.039	.222	.123	.038	
4.0	.239	.124	.037	.235	.123	.036	.226	.120	.036	.217	.117	.035	.209	.114	.035	
5.0	.224	.114	.033	.219	.113	.033	.211	.110	.032	.204	.108	.032	.197	.105	.032	
6.0	.209	.105	.030	.205	.104	.030	.198	.102	.030	.191	.099	.029	.185	.097	.029	
7.0	.196	.097	.027	.192	.096	.027	.186	.094	.027	.180	.092	.027	.174	.091	.027	
8.0	.184	.090	.025	.181	.089	.025	.175	.087	.025	.169	.086	.025	.164	.084	.025	
9.0	.173	.084	.023	.170	.083	.023	.165	.081	.023	.160	.080	.023	.155	.079	.023	
10.0	.163	.078	.022	.160	.077	.022	.156	.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	.153	.134	.118	.104	.092	.081	.060	.053	.047	.019	.017	.015		
2.0	.170	.132	.100	.145	.114	.087	.100	.079	.061	.057	.046	.036	.018	.015	.012		
3.0	.162	.114	.076	.139	.099	.066	.095	.068	.046	.055	.040	.027	.018	.013	.009		
4.0	.154	.101	.060	.133	.087	.052	.091	.061	.037	.053	.036	.022	.017	.012	.007		
5.0	.147	.090	.048	.127	.078	.042	.087	.055	.030	.051	.032	.018	.016	.010	.006		
6.0	.141	.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	.043	.023	.009	.014	.008	.003		
10.0	.117	.060	.023	.101	.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:2018-01-08

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:0.9654A P:200.1W PF:0.9734 Freq:49.99Hz Lamp Flux:28594.2x1 lm											
NAME: AOK-oH					TYPE:LED			WEIGHT:6.0KG			
SPEC.:AOK-200WoH-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	2H	17.2	18.7	17.5	18.9	19.1	17.2	18.6	17.4	18.8	19.0
	3H	18.0	19.3	18.3	19.6	19.8	17.9	19.3	18.2	19.5	19.7
	4H	18.0	19.3	18.4	19.6	19.8	18.0	19.3	18.3	19.5	19.8
	6H	18.1	19.3	18.4	19.5	19.8	18.0	19.2	18.3	19.5	19.8
	8H	18.0	19.2	18.4	19.5	19.8	18.0	19.2	18.3	19.4	19.7
	12H	18.0	19.1	18.4	19.4	19.7	18.0	19.1	18.3	19.4	19.7
4H	2H	17.6	18.9	18.0	19.2	19.4	17.6	18.9	17.9	19.1	19.4
	3H	18.4	19.6	18.8	19.9	20.2	18.4	19.5	18.8	19.8	20.1
	4H	18.6	19.6	19.0	19.9	20.3	18.6	19.6	18.9	19.9	20.2
	6H	18.7	19.5	19.0	19.9	20.3	18.6	19.5	19.0	19.9	20.2
	8H	18.7	19.5	19.1	19.9	20.2	18.6	19.5	19.0	19.8	20.2
	12H	18.7	19.4	19.1	19.8	20.2	18.6	19.4	19.1	19.8	20.2
8H	4H	18.6	19.4	19.0	19.8	20.2	18.6	19.4	19.0	19.7	20.1
	6H	18.7	19.4	19.1	19.8	20.2	18.7	19.3	19.1	19.7	20.2
	8H	18.7	19.3	19.2	19.8	20.2	18.7	19.3	19.2	19.7	20.2
	12H	18.8	19.3	19.3	19.8	20.2	18.8	19.3	19.2	19.7	20.2
12H	4H	18.6	19.3	19.0	19.7	20.1	18.5	19.3	18.9	19.7	20.1
	6H	18.7	19.3	19.1	19.7	20.2	18.6	19.3	19.1	19.7	20.1
	8H	18.7	19.3	19.2	19.7	20.2	18.7	19.2	19.2	19.7	20.1
Variations with the observer position at spacings:											
S = 1.0H	+ 0.4 / - 0.6					+ 0.4 / - 0.5					
1.5H	+ 0.2 / - 0.5					+ 0.1 / - 0.3					
2.0H	+ 0.5 / - 0.8					+ 0.5 / - 0.8					

CIE Pub.117, 28594 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 11.7$)

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:0.9654A P:200.1W PF:0.9734 Freq:49.99Hz Lamp Flux:28594.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-5050-120D-PC-ALL	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

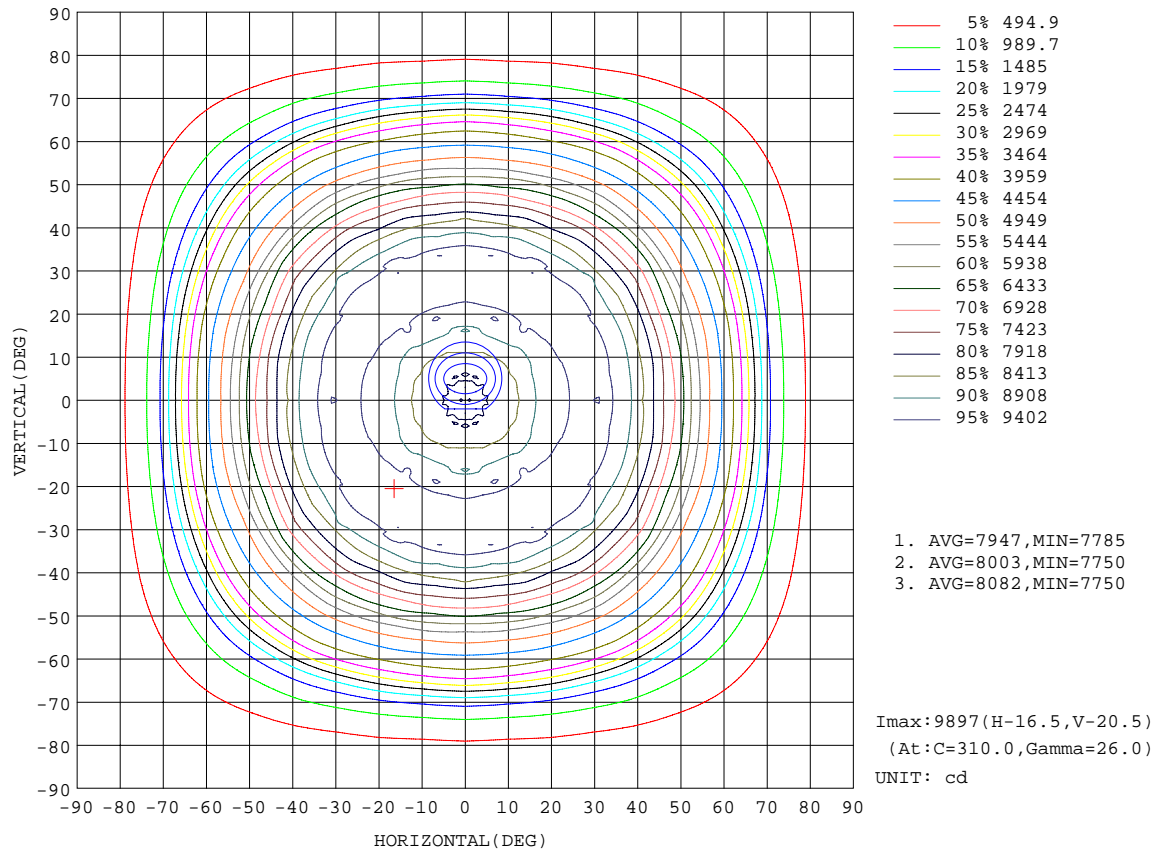
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	59	47	40	58	47	40	57	46	40	34
0.80	69	58	51	68	57	51	66	57	50	43
1.00	78	67	60	77	67	60	75	68	60	53
1.25	85	75	69	84	75	68	81	73	67	60
1.50	90	81	74	89	80	74	86	78	73	66
2.00	97	89	83	95	88	82	92	86	81	73
2.50	101	94	88	99	92	87	95	90	85	77
3.00	104	98	93	102	96	91	98	93	89	81
4.00	108	102	98	105	101	97	101	97	94	86
5.00	110	105	102	107	103	100	103	100	97	88
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:0.9654A P:200.1W PF:0.9734 Freq:49.99Hz Lamp Flux:28594.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-5050-120D-PC-ALL	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:



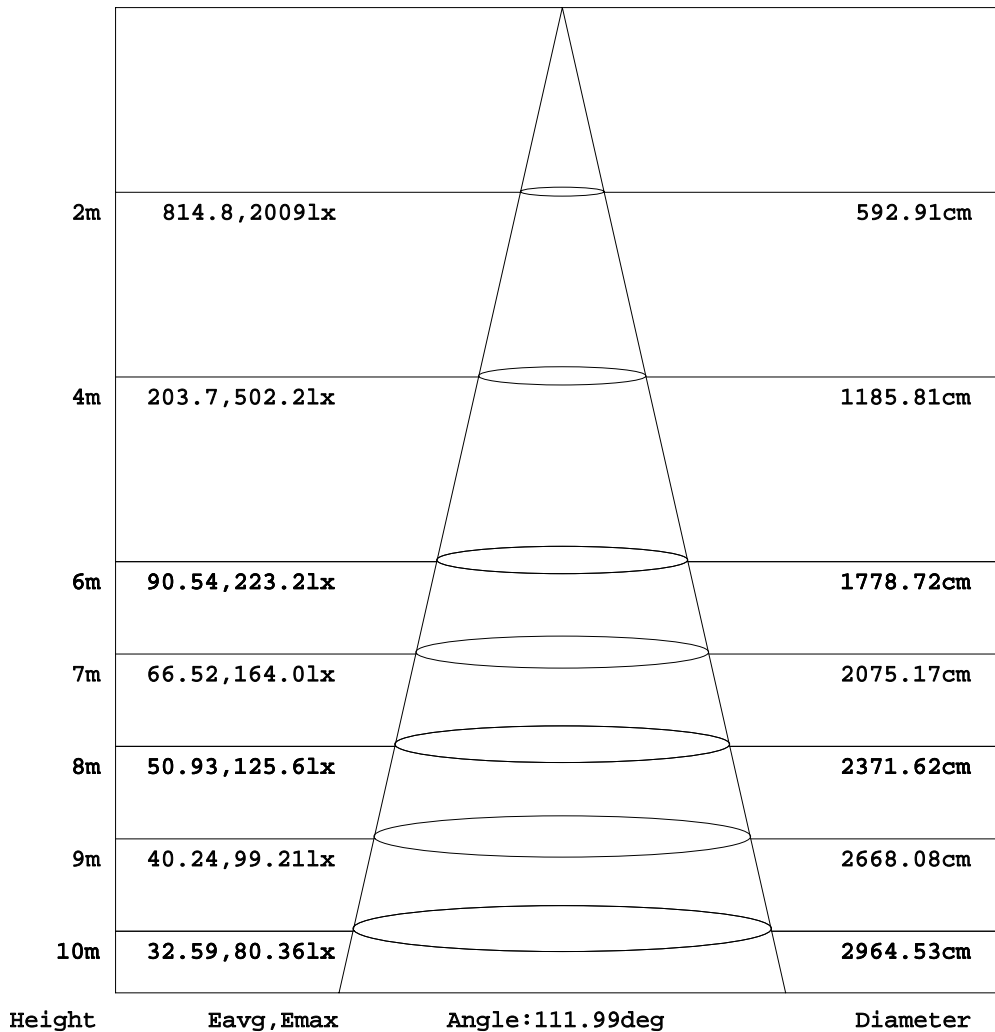
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-08

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:0.9654A P:200.1W PF:0.9734 Freq:49.99Hz Lamp Flux:28594.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200Woh-5050-120D-PC-ALL	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

Flux out:22506 lm



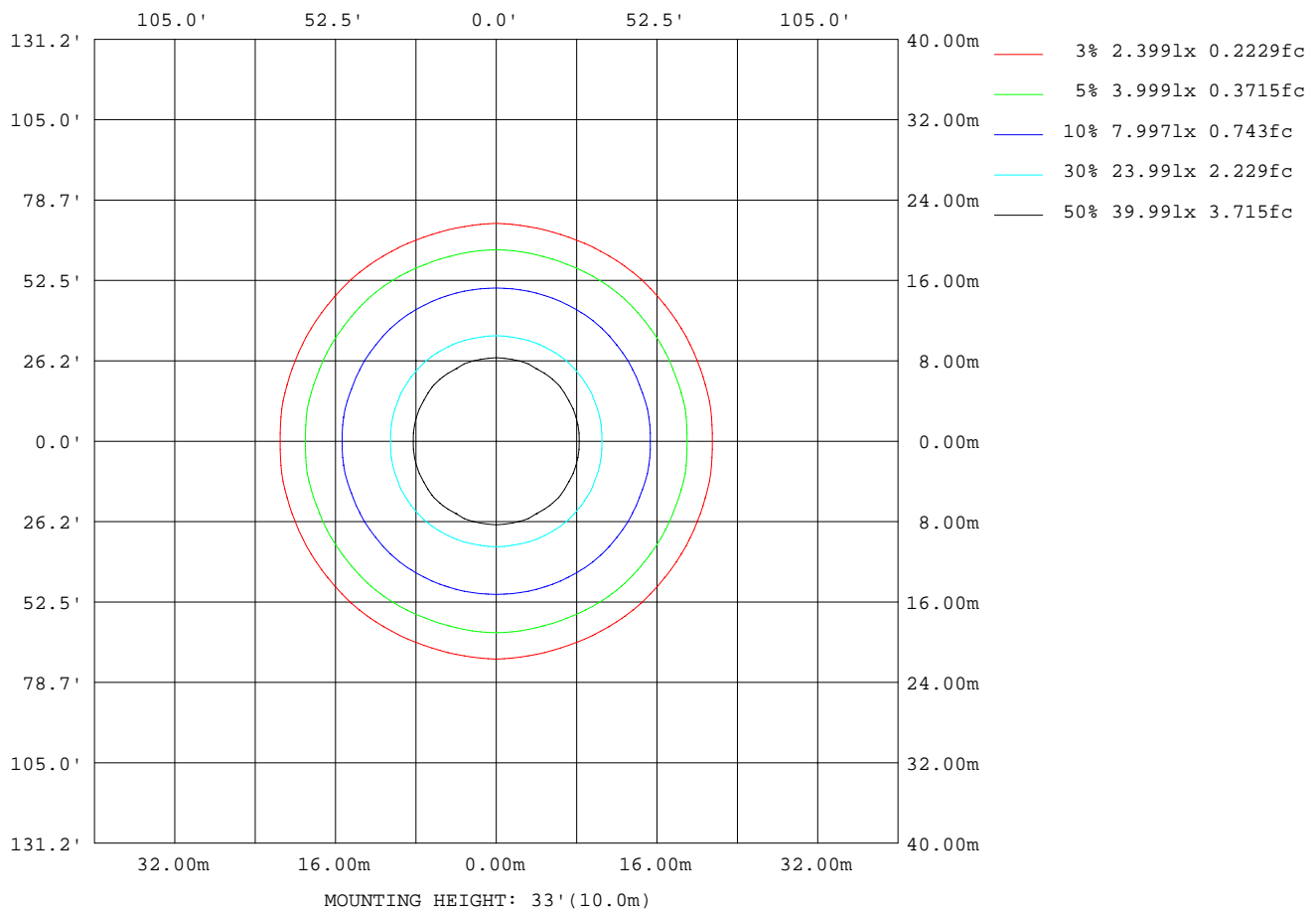
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:220.0V I:0.9654A P:200.1W PF:0.9734 Freq:49.99Hz Lamp Flux:28594.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200Woh-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: 2018-01-08

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:0.9654A P:200.1W PF:0.9734 Freq:49.99Hz Lamp Flux:28594.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-5050-120D-PC-ALL	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

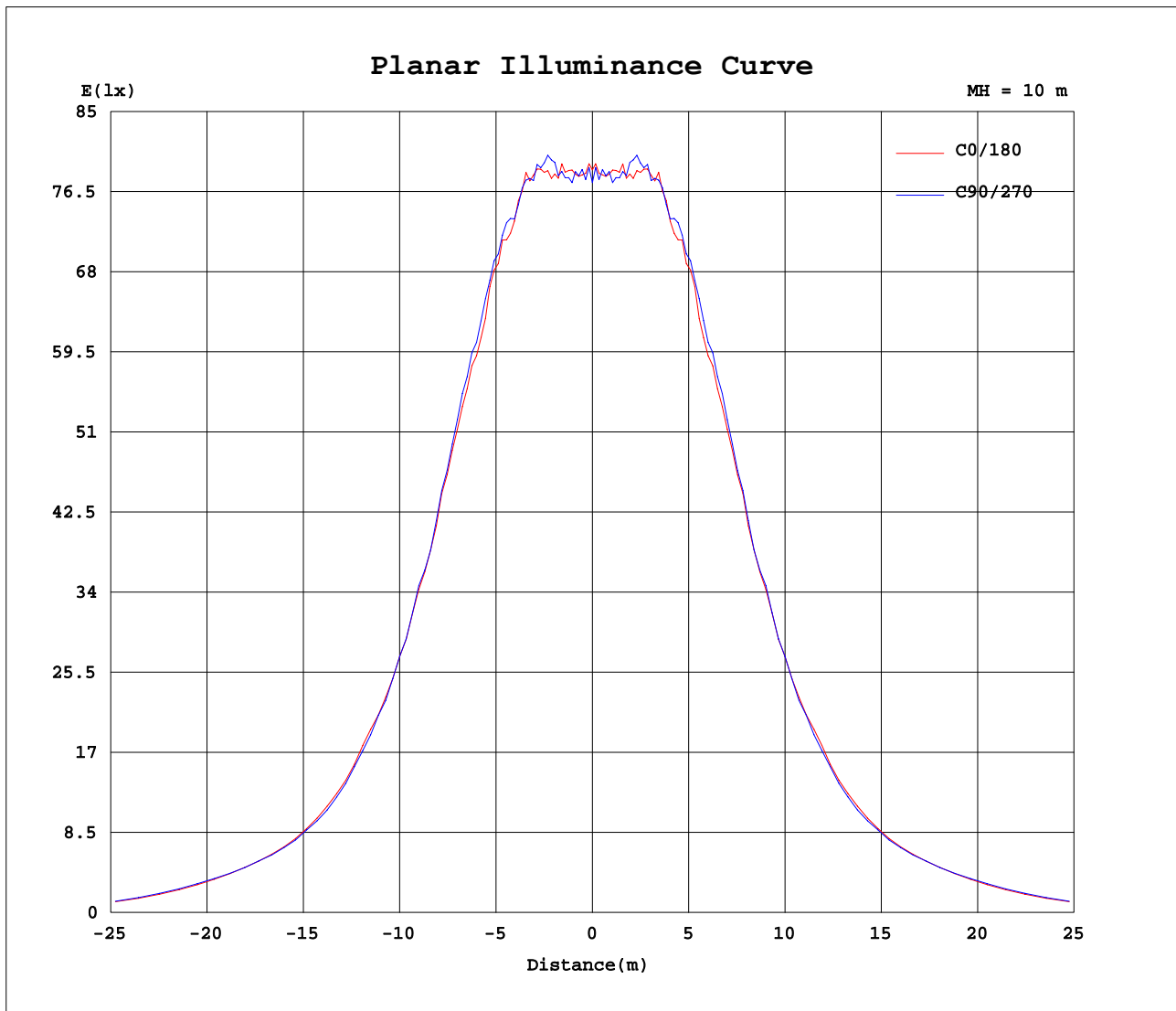
AvgL	cd/m2
L_0~180 (65) av	75655
L_0~180 (75) av	32522
L_0~180 (85) av	25594
L_90~270 (65) av	79841
L_90~270 (75) av	34092
L_90~270 (85) av	26597
L_45 (65) av	77884
L_45 (75) av	32820
L_45 (85) av	25299

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:220.0V I:0.9654A P:200.1W PF:0.9734 Freq:49.99Hz Lamp Flux:28594.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-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: 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	7829	7829	7829	7829	7829	7829	7829	7829	7829	7829	7829	7829	7829	7829	7829	7829	7829	7829	7829
5	7873	7868	8015	7954	7842	8004	7961	7967	8010	8039	8010	7967	7961	8004	7842	7954	8015	7868	7873
10	8104	8182	8111	8278	8188	8222	8230	8236	8207	8276	8207	8236	8230	8222	8188	8278	8111	8182	8104
15	8695	8767	8718	8697	8642	8689	8697	8775	8907	8865	8907	8775	8697	8689	8642	8697	8718	8767	8695
20	9166	9207	8832	9349	9149	9379	9163	9563	9120	9367	9120	9563	9163	9379	9149	9349	8832	9207	9166
25	9523	9514	9563	9633	9622	9699	9740	9691	9873	9761	9873	9691	9740	9699	9622	9633	9563	9514	9523
30	9331	9511	9530	9522	9669	9655	9686	9728	9745	9777	9745	9728	9686	9655	9669	9522	9530	9511	9331
35	9271	9351	9286	9392	9451	9402	9399	9451	9558	9620	9558	9451	9399	9402	9451	9392	9286	9351	9271
40	8503	8741	8627	8641	8902	8787	8509	8793	8823	8651	8823	8793	8509	8787	8902	8641	8627	8741	8503
45	7631	7643	7722	7862	7703	7810	7758	7699	7669	7763	7669	7699	7758	7810	7703	7862	7722	7643	7631
50	6635	6606	6528	6714	6631	6651	6587	6589	6413	6542	6413	6589	6587	6651	6631	6714	6528	6606	6635
55	5277	5348	5279	5315	5285	5400	5323	5257	5181	5219	5181	5257	5323	5400	5285	5315	5279	5348	5277
60	4342	4412	4356	4379	4351	4375	4341	4383	4352	4419	4352	4383	4341	4375	4351	4379	4356	4412	4342
65	3197	3263	3230	3267	3259	3319	3274	3259	3287	3374	3287	3259	3274	3319	3259	3267	3230	3263	3197
70	1637	1700	1660	1687	1641	1670	1649	1677	1659	1725	1659	1677	1649	1670	1641	1687	1660	1700	1637
75	842	866	857	860	838	861	840	861	846	882	846	861	840	861	838	860	857	866	842
80	416	434	416	418	406	418	409	422	417	438	417	422	409	418	406	418	416	434	416
85	223	229	223	222	219	223	222	224	224	232	224	224	222	223	219	222	223	229	223
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:0.9654A P:200.1W PF:0.9734 Freq:49.99Hz Lamp Flux:28594.2x1 lm																	
NAME: AOK-oH									TYPE:LED						WEIGHT:6.0KG		
SPEC.:AOK-200WoH-5050-120D-PC-ALL									DIM.: ϕ 0.4*0.141M						SERIAL No.:1		
MFR.: AOK									SUR.: ϕ 0.29M						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	7829	7829	7829	7829	7829	7829	7829	7829	7829	7829	7829	7829	7829	7829	7829	7829	7829		
5	7868	8015	7954	7842	8004	7961	7967	8010	8039	8010	7967	7961	8004	7842	7954	8015	7868		
10	8182	8111	8278	8188	8222	8230	8236	8207	8276	8207	8236	8230	8222	8188	8278	8111	8182		
15	8767	8718	8697	8642	8689	8697	8775	8907	8865	8907	8775	8697	8689	8642	8697	8718	8767		
20	9207	8832	9349	9149	9379	9163	9563	9120	9367	9120	9563	9163	9379	9149	9349	8832	9207		
25	9514	9563	9633	9622	9699	9740	9691	9873	9761	9873	9691	9740	9699	9622	9633	9563	9514		
30	9511	9530	9522	9669	9655	9686	9728	9745	9777	9745	9728	9686	9655	9669	9522	9530	9511		
35	9351	9286	9392	9451	9402	9399	9451	9558	9620	9558	9451	9399	9402	9451	9392	9286	9351		
40	8741	8627	8641	8902	8787	8509	8793	8823	8651	8823	8793	8509	8787	8902	8641	8627	8741		
45	7643	7722	7862	7703	7810	7758	7699	7669	7763	7669	7699	7758	7810	7703	7862	7722	7643		
50	6606	6528	6714	6631	6651	6587	6589	6413	6542	6413	6589	6587	6651	6631	6714	6528	6606		
55	5348	5279	5315	5285	5400	5323	5257	5181	5219	5181	5257	5323	5400	5285	5315	5279	5348		
60	4412	4356	4379	4351	4375	4341	4383	4352	4419	4352	4383	4341	4375	4351	4379	4356	4412		
65	3263	3230	3267	3259	3319	3274	3259	3287	3374	3287	3259	3274	3319	3259	3267	3230	3263		
70	1700	1660	1687	1641	1670	1649	1677	1659	1725	1659	1677	1649	1670	1641	1687	1660	1700		
75	866	857	860	838	861	840	861	846	882	846	861	840	861	838	860	857	866		
80	434	416	418	406	418	409	422	417	438	417	422	409	418	406	418	416	434		
85	229	223	222	219	223	222	224	224	232	224	224	222	223	219	222	223	229		
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: