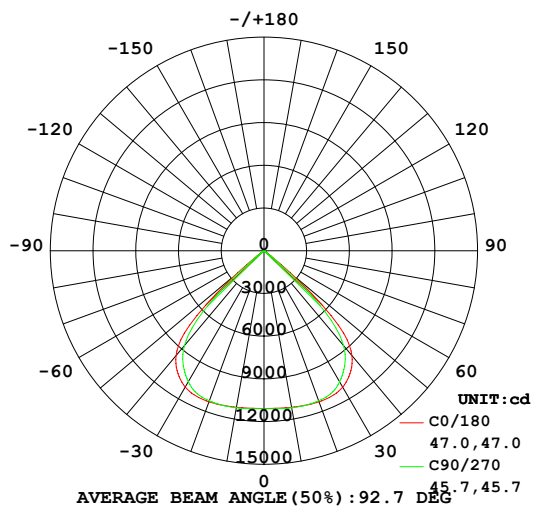


LUMINAIRE PHOTOMETRIC TEST REPORT

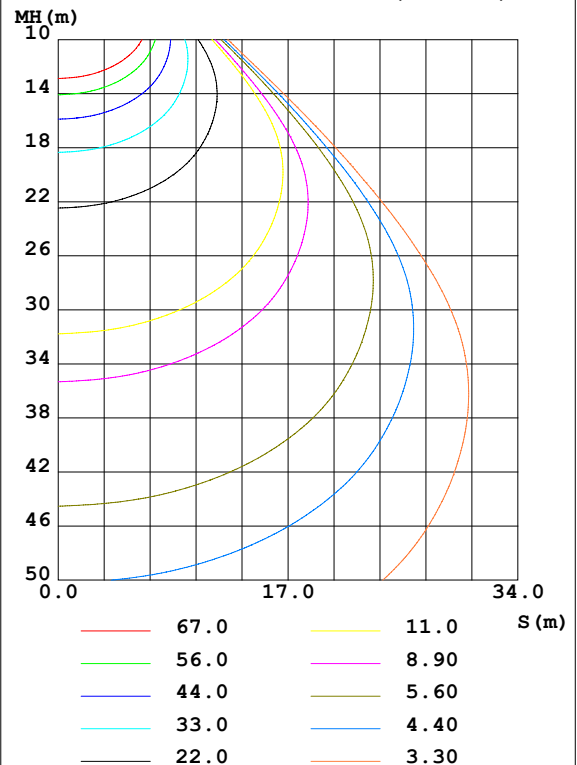
Test:U:220.1V I:0.7311A P:156.4W PF:0.9585 Freq:49.99Hz Lamp Flux:21100.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150W oH	DIM.: ϕ 0.318*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.24M	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 134.92 lm/W			
MODEL	5050	I _{max} (cd)	11293	S/MH (C0/180)	1.39
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.34
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	21101	η UP,DN (C0-180)	0.0,50.0
NOMINAL FLUX (lm)	21100.8	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	1.35

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:2017-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.500m [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	1117	1117	1120	1117	1117	1117	1120	1117	0- 10	1062	1062	5.04,5.04
20	1129	1123	1122	1123	1129	1123	1122	1123	10- 20	3181	4243	20.1,20.1
30	1106	1087	1063	1087	1106	1087	1063	1087	20- 30	5146	9389	44.5,44.5
40	960.3	904.0	869.2	904.0	960.3	904.0	869.2	904.0	30- 40	6334	15723	74.5,74.5
50	242.4	203.2	162.3	203.2	242.4	203.2	162.3	203.2	40- 50	4766	20489	97.1,97.1
60	14.60	14.22	13.57	14.22	14.60	14.22	13.57	14.22	50- 60	445.1	20934	99.2,99.2
70	7.868	7.534	7.116	7.534	7.868	7.534	7.116	7.534	60- 70	103.2	21037	99.7,99.7
80	3.075	2.692	2.254	2.692	3.075	2.692	2.254	2.692	70- 80	55.26	21093	100,100
90	0	0	0	0	0	0	0	0	80- 90	8.112	21101	100,100
100	0	0	0	0	0	0	0	0	90-100	0	21101	100,100
110	0	0	0	0	0	0	0	0	100-110	0	21101	100,100
120	0	0	0	0	0	0	0	0	110-120	0	21101	100,100
130	0	0	0	0	0	0	0	0	120-130	0	21101	100,100
140	0	0	0	0	0	0	0	0	130-140	0	21101	100,100
150	0	0	0	0	0	0	0	0	140-150	0	21101	100,100
160	0	0	0	0	0	0	0	0	150-160	0	21101	100,100
170	0	0	0	0	0	0	0	0	160-170	0	21101	100,100
180	0	0	0	0	0	0	0	0	170-180	0	21101	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 18707 lm

%lum = 88.7%

%lamp = 88.7%

Conical surface Flux(120deg): 20934 lm

%lum = 99.2%

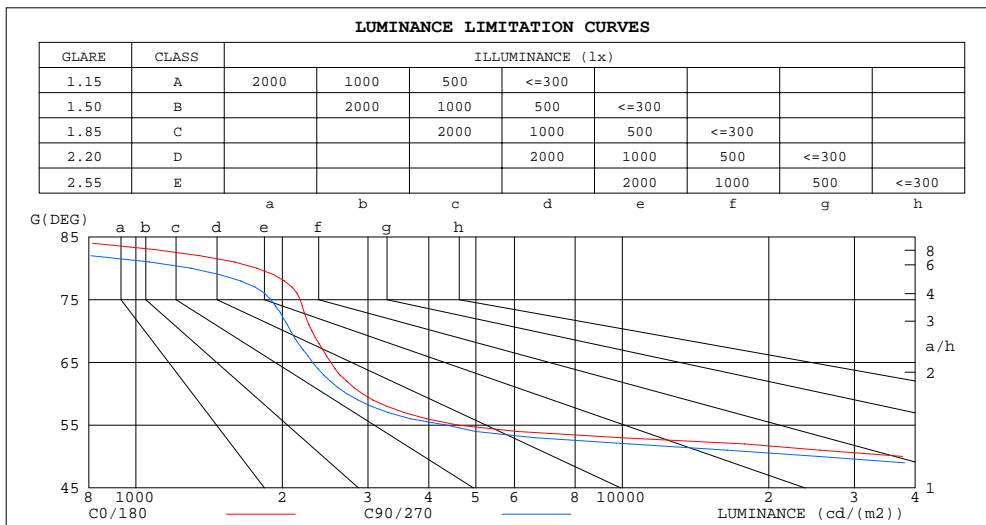
%lamp = 99.2%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.1V I:0.7311A P:156.4W PF:0.9585 Freq:49.99Hz Lamp Flux:21100.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150W oH	DIM.: $\phi 0.318 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.24\text{M}$	Shielding Angle:



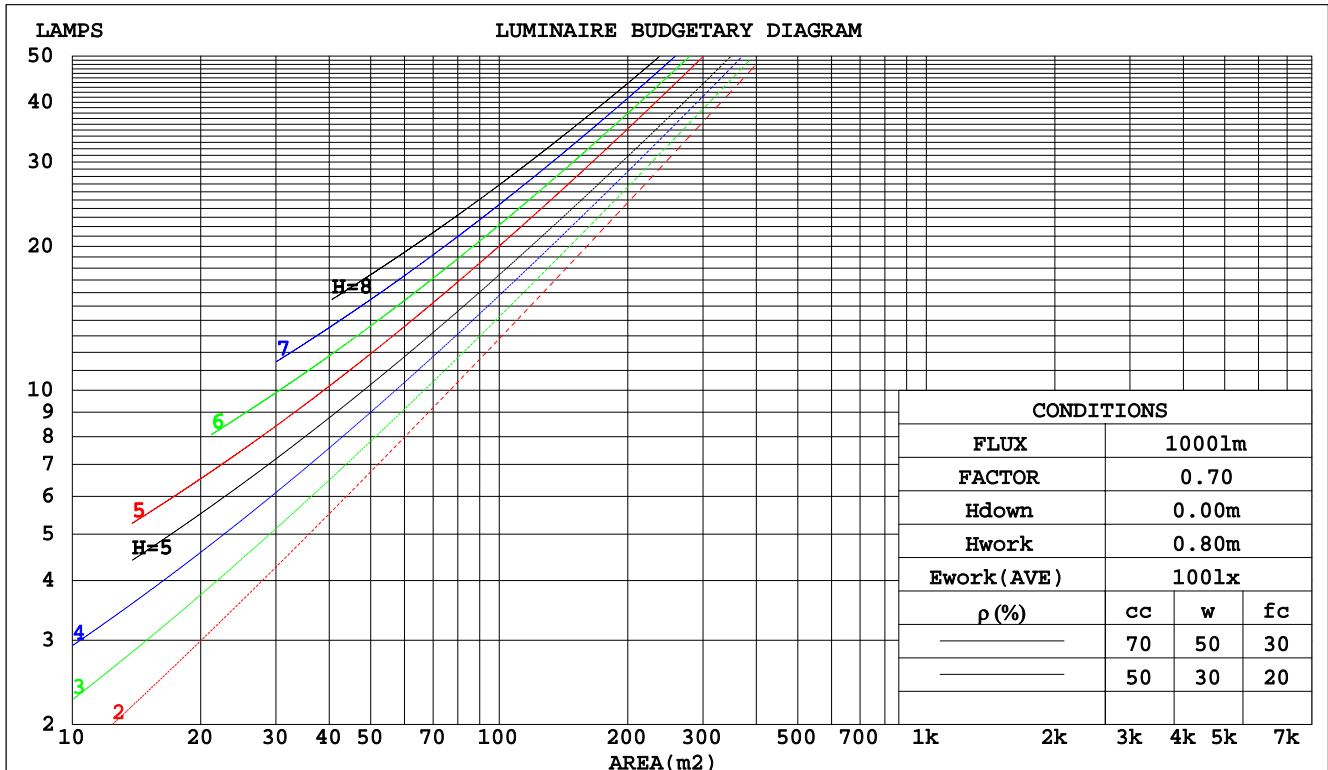
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.500m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.1V I:0.7311A P:156.4W PF:0.9585 Freq:49.99Hz Lamp Flux:21100.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150W oH	DIM.: $\phi 0.318 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.24\text{M}$	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	1.09	1.06	1.04	1.07	1.04	1.02	1.03	1.01	.99	.99	.98	.96	.96	.94	.93	.91
2.0	.00	.95	.91	.98	.94	.90	.95	.91	.88	.92	.89	.86	.89	.86	.84	.82
3.0	.91	.85	.81	.90	.84	.80	.87	.82	.79	.84	.81	.77	.82	.79	.76	.74
4.0	.83	.77	.72	.82	.76	.71	.80	.75	.70	.78	.73	.70	.76	.72	.69	.67
5.0	.76	.69	.64	.75	.69	.64	.73	.68	.63	.72	.67	.63	.70	.66	.62	.60
6.0	.70	.63	.58	.69	.62	.58	.68	.62	.57	.66	.61	.57	.65	.60	.56	.55
7.0	.64	.57	.52	.64	.57	.52	.62	.56	.52	.61	.56	.51	.60	.55	.51	.49
8.0	.59	.52	.47	.59	.52	.47	.58	.51	.47	.57	.51	.47	.55	.50	.47	.45
9.0	.55	.48	.43	.54	.48	.43	.53	.47	.43	.52	.47	.43	.52	.46	.43	.41
10.0	.51	.44	.40	.51	.44	.40	.50	.44	.39	.49	.43	.39	.48	.43	.39	.38



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.500m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:220.1V I:0.7311A P:156.4W PF:0.9585 Freq:49.99Hz Lamp Flux:21100.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150W oH	DIM.: ϕ 0.318*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.24M	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	.207	.117	.037	.200	.114	.036	.187	.107	.034	.175	.101	.032	.165	.095	.031	
2.0	.202	.111	.034	.196	.108	.033	.185	.103	.032	.175	.098	.031	.166	.094	.030	
3.0	.194	.103	.031	.189	.101	.031	.180	.097	.030	.171	.094	.029	.163	.090	.028	
4.0	.186	.097	.028	.182	.095	.028	.174	.092	.027	.166	.089	.027	.159	.086	.026	
5.0	.178	.091	.026	.174	.089	.026	.167	.087	.026	.160	.084	.025	.154	.082	.025	
6.0	.170	.085	.024	.166	.084	.024	.160	.082	.024	.154	.080	.023	.148	.078	.023	
7.0	.162	.080	.023	.159	.079	.023	.153	.077	.022	.148	.076	.022	.143	.074	.022	
8.0	.155	.076	.021	.152	.075	.021	.147	.073	.021	.142	.072	.021	.137	.070	.021	
9.0	.148	.071	.020	.145	.071	.020	.141	.070	.020	.136	.068	.020	.132	.067	.019	
10.0	.141	.068	.019	.139	.067	.019	.135	.066	.019	.131	.065	.018	.127	.064	.018	

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	.173	.157	.143	.148	.135	.123	.101	.093	.085	.058	.054	.049	.019	.017	.016	
2.0	.160	.132	.109	.137	.114	.094	.094	.079	.066	.054	.046	.038	.017	.015	.013	
3.0	.150	.114	.085	.129	.098	.074	.088	.068	.052	.051	.040	.030	.016	.013	.010	
4.0	.141	.100	.068	.121	.086	.059	.083	.060	.041	.048	.035	.025	.016	.011	.008	
5.0	.134	.089	.055	.115	.077	.048	.079	.053	.034	.046	.031	.020	.015	.010	.007	
6.0	.127	.080	.045	.110	.069	.040	.076	.048	.028	.044	.028	.017	.014	.009	.005	
7.0	.122	.073	.038	.105	.063	.033	.072	.044	.024	.042	.026	.014	.014	.009	.005	
8.0	.116	.067	.033	.100	.058	.028	.069	.041	.020	.040	.024	.012	.013	.008	.004	
9.0	.111	.062	.028	.096	.054	.025	.066	.038	.018	.039	.022	.010	.013	.007	.003	
10.0	.107	.058	.025	.092	.050	.022	.064	.035	.015	.037	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.500m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.1V I:0.7311A P:156.4W PF:0.9585 Freq:49.99Hz Lamp Flux:21100.8x1 lm											
NAME: AOK oH					TYPE:LED			WEIGHT:4.6KG			
SPEC.:AOK-150W oH					DIM.: ϕ 0.318*0.138M			SERIAL No.:1			
MFR.: AOK					SUR.: ϕ 0.24M			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		14.2	15.4	14.5	15.6	15.8	13.6	14.8	13.9	15.0	15.2
	3H	14.1	15.1	14.3	15.3	15.6	13.5	14.5	13.7	14.7	15.0
	4H	14.0	15.0	14.3	15.2	15.4	13.4	14.4	13.7	14.6	14.8
	6H	13.9	14.8	14.2	15.1	15.3	13.3	14.2	13.6	14.5	14.7
	8H	13.8	14.7	14.2	15.0	15.3	13.2	14.1	13.6	14.4	14.7
	12H	13.8	14.7	14.1	14.9	15.2	13.2	14.0	13.5	14.3	14.6
4H	2H	14.0	15.0	14.3	15.2	15.4	13.4	14.4	13.7	14.6	14.8
	3H	13.8	14.7	14.1	14.9	15.2	13.2	14.1	13.5	14.3	14.6
	4H	13.7	14.5	14.1	14.8	15.1	13.1	13.9	13.5	14.2	14.5
	6H	13.6	14.3	14.0	14.6	15.0	13.0	13.7	13.4	14.0	14.4
	8H	13.6	14.2	14.0	14.6	14.9	13.0	13.6	13.4	14.0	14.3
	12H	13.5	14.1	13.9	14.5	14.9	12.9	13.5	13.3	13.9	14.3
8H	4H	13.6	14.2	14.0	14.5	14.9	13.0	13.6	13.4	13.9	14.3
	6H	13.5	14.0	13.9	14.4	14.8	12.9	13.4	13.3	13.8	14.2
	8H	13.4	13.9	13.9	14.3	14.7	12.8	13.3	13.3	13.7	14.1
	12H	13.4	13.8	13.9	14.2	14.7	12.8	13.2	13.3	13.6	14.1
12H	4H	13.5	14.1	13.9	14.5	14.9	12.9	13.5	13.3	13.9	14.3
	6H	13.4	13.9	13.9	14.3	14.7	12.8	13.3	13.3	13.7	14.1
	8H	13.4	13.8	13.9	14.2	14.7	12.8	13.2	13.3	13.6	14.1
Variations with the observer position at spacings:											
S = 1.0H	+ 3.1 / -14.6					+ 3.1 / -14.8					
1.5H	+ 2.6 / -15.2					+ 2.8 / -14.9					
2.0H	+ 7.4 / -13.7					+ 7.4 / -12.9					

CIE Pub.117, 21101 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 10.6$)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.500m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.1V I:0.7311A P:156.4W PF:0.9585 Freq:49.99Hz Lamp Flux:21100.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150W oH	DIM.: $\phi 0.318 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.24M$	Shielding Angle:

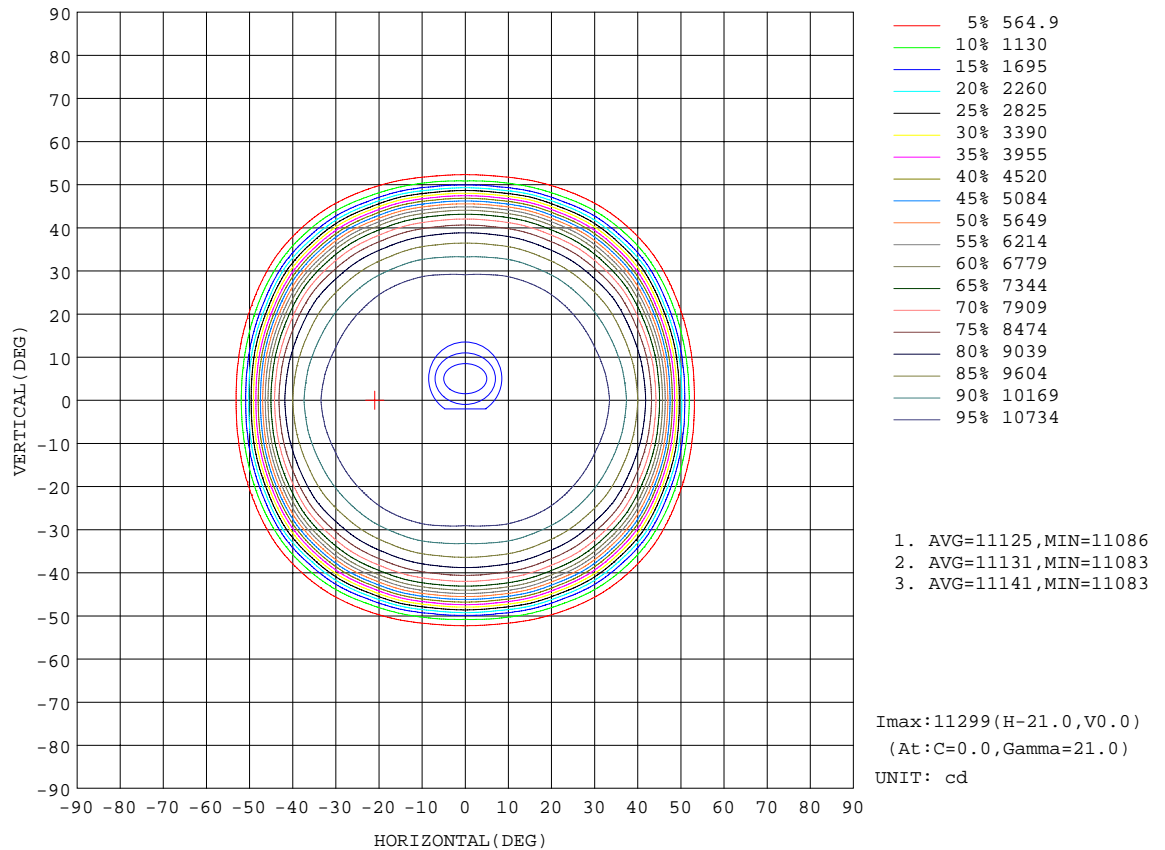
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	75	67	62	75	67	62	74	66	62	57
0.80	85	77	72	84	77	72	83	76	71	67
1.00	92	85	80	91	84	80	89	84	79	74
1.25	98	91	86	96	90	86	94	89	85	80
1.50	101	95	91	100	94	90	97	93	89	84
2.00	105	100	96	104	99	95	101	97	94	88
2.50	107	103	99	106	101	98	102	99	96	90
3.00	109	105	102	108	104	101	104	101	99	92
4.00	112	108	105	110	107	104	106	103	101	94
5.00	113	110	108	111	108	106	107	105	103	95
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:2017-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.500m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.1V I:0.7311A P:156.4W PF:0.9585 Freq:49.99Hz Lamp Flux:21100.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150W oH	DIM.: $\phi 0.318 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.24\text{M}$	Shielding Angle:

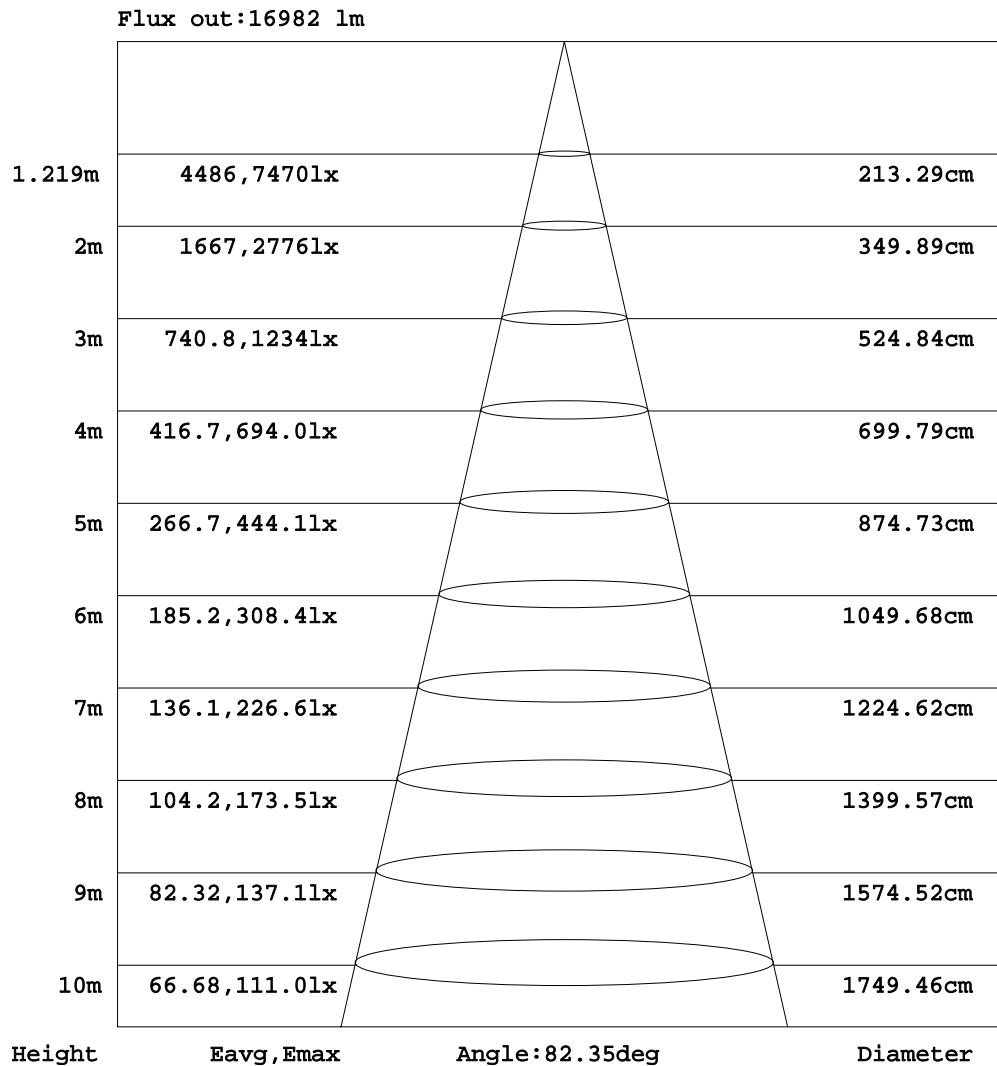


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.500m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.1V I:0.7311A P:156.4W PF:0.9585 Freq:49.99Hz Lamp Flux:21100.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150W oH	DIM.: $\phi 0.318 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.24M$	Shielding Angle:



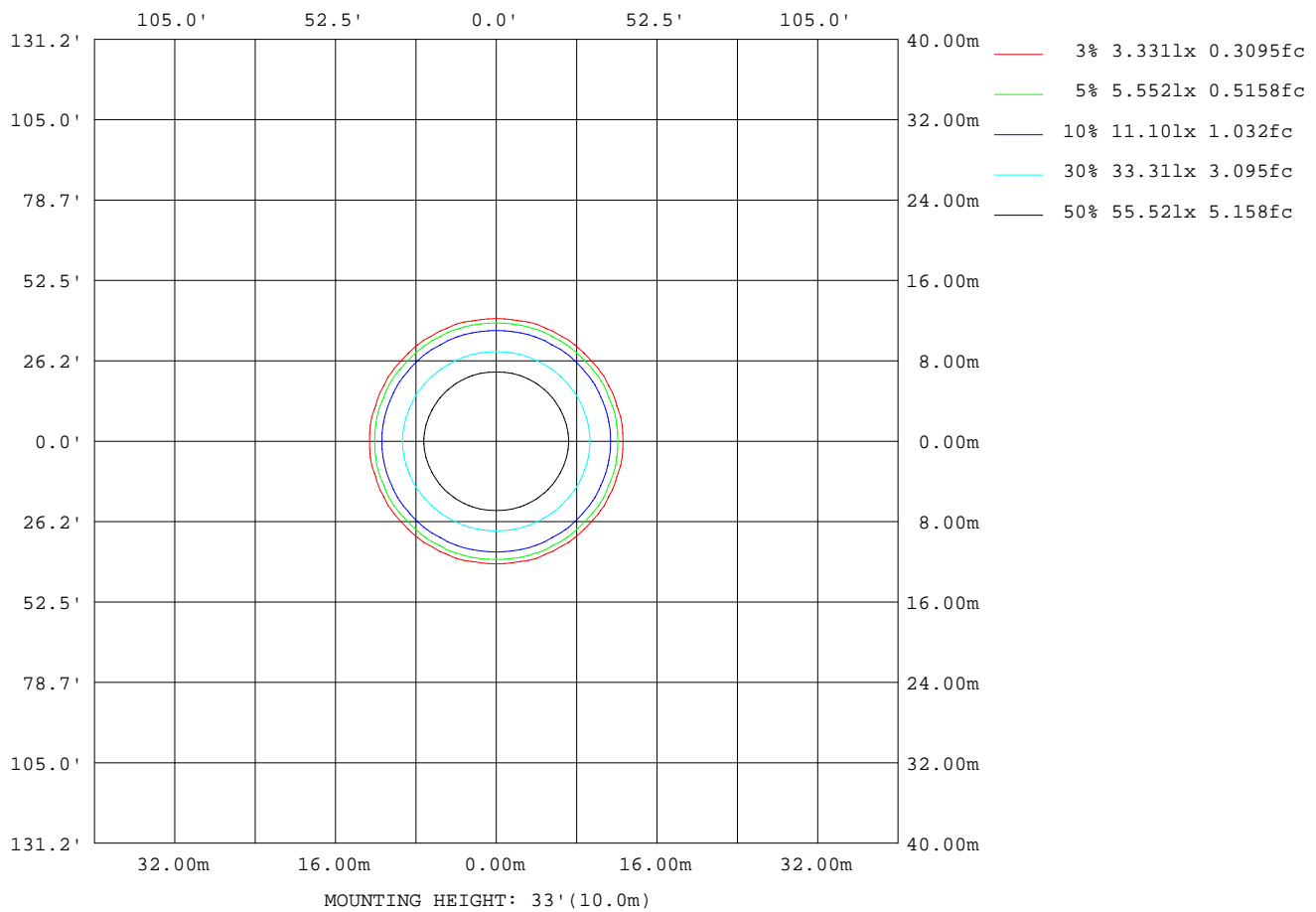
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.500m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.1V I:0.7311A P:156.4W PF:0.9585 Freq:49.99Hz Lamp Flux:21100.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150W oH	DIM.: $\Phi 0.318 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\Phi 0.24M$	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.500m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.1V I:0.7311A P:156.4W PF:0.9585 Freq:49.99Hz Lamp Flux:21100.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150W oH	DIM.: ϕ 0.318*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.24M	Shielding Angle:

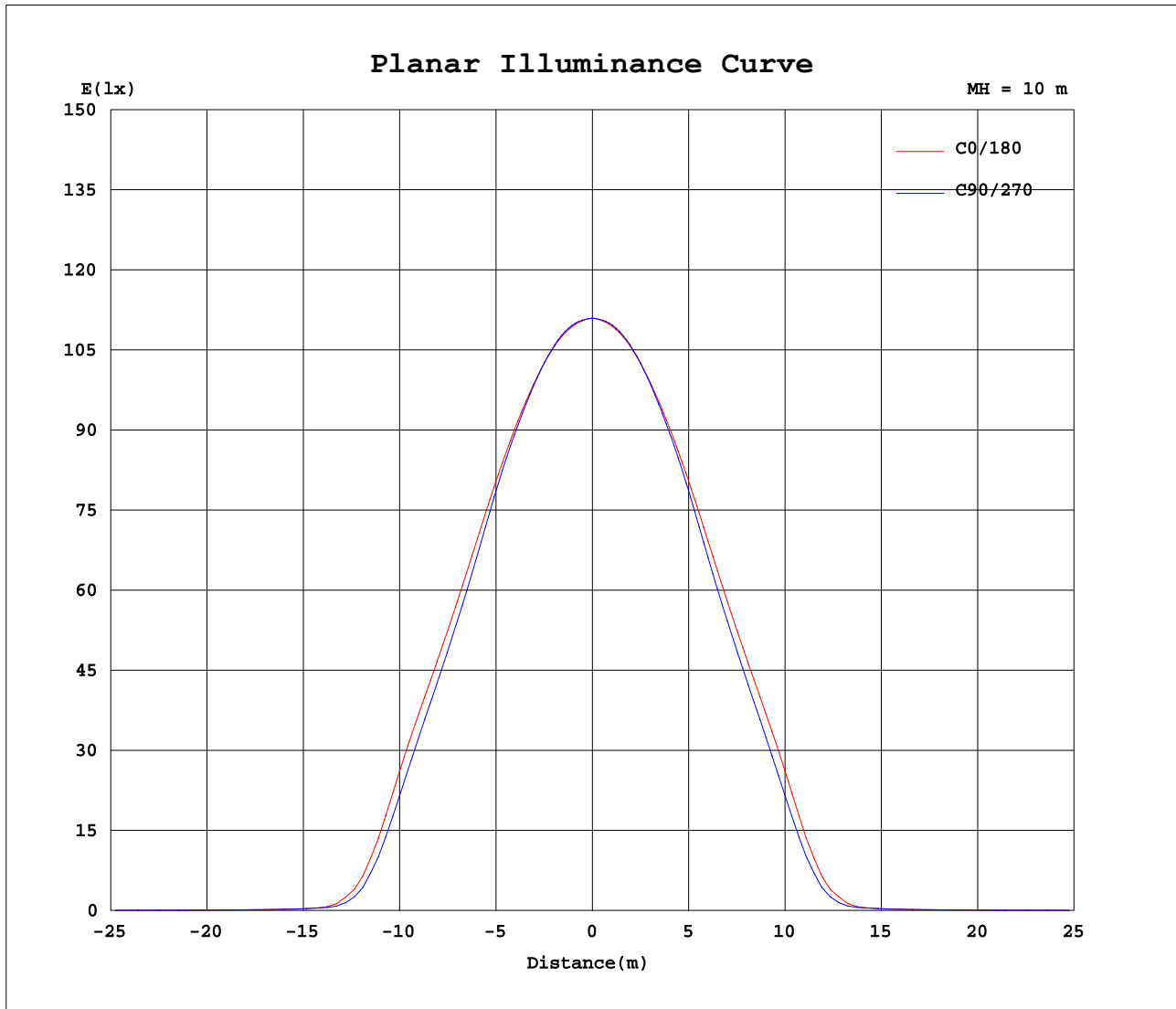
AvgL	cd/m2
L_0~180 (65) av	2515
L_0~180 (75) av	2174
L_0~180 (85) av	655
L_90~270 (65) av	2308
L_90~270 (75) av	1894
L_90~270 (85) av	356
L_45 (65) av	2432
L_45 (75) av	2053
L_45 (85) av	492

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.500m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.500m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.1V I:0.7311A P:156.4W PF:0.9585 Freq:49.99Hz Lamp Flux:21100.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150W oH	DIM.: $\phi 0.318 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.24M$	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	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110
5	1110	1109	1110	1109	1110	1110	1111	1112	1113	1113	1113	1112	1111	1110	1110	1109	1110	1109	1110
10	1117	1115	1116	1115	1116	1117	1118	1119	1120	1120	1120	1119	1118	1117	1116	1115	1116	1115	1117
15	1124	1122	1121	1120	1121	1121	1123	1123	1124	1124	1124	1123	1123	1121	1121	1120	1121	1122	1124
20	1129	1127	1126	1124	1123	1123	1123	1123	1122	1122	1122	1123	1123	1123	1123	1124	1126	1127	1129
25	1127	1124	1122	1120	1117	1116	1114	1113	1110	1109	1110	1113	1114	1116	1117	1120	1122	1124	1127
30	1106	1100	1095	1092	1089	1086	1081	1076	1068	1063	1068	1076	1081	1086	1089	1092	1095	1100	1106
35	1054	1048	1038	1030	1022	1015	1005	1000	991	988	991	1000	1005	1015	1022	1030	1038	1048	1054
40	960	952	937	929	909	899	885	879	870	869	870	879	885	899	909	929	937	952	960
45	739	734	712	703	673	661	637	633	612	609	612	633	637	661	673	703	712	734	739
50	242	259	227	239	204	203	181	182	162	162	162	182	181	203	204	239	227	259	242
55	26.3	26.7	25.6	28.0	25.0	26.9	24.5	26.1	23.9	24.9	23.9	26.1	24.5	26.9	25.0	28.0	25.6	26.7	26.3
60	14.6	14.5	14.3	14.4	14.2	14.2	14.1	14.0	13.7	13.6	13.7	14.0	14.1	14.2	14.2	14.4	14.3	14.5	14.6
65	10.6	10.5	10.4	10.4	10.3	10.3	10.1	10.1	9.97	9.75	9.97	10.1	10.1	10.3	10.3	10.4	10.4	10.5	10.6
70	7.87	7.79	7.67	7.64	7.53	7.54	7.40	7.40	7.26	7.12	7.26	7.40	7.40	7.54	7.53	7.64	7.67	7.79	7.87
75	5.63	5.57	5.47	5.44	5.33	5.30	5.20	5.20	5.00	4.90	5.00	5.20	5.20	5.30	5.33	5.44	5.47	5.57	5.63
80	3.08	3.05	2.87	2.86	2.70	2.69	2.56	2.54	2.36	2.25	2.36	2.54	2.56	2.69	2.70	2.86	2.87	3.05	3.08
85	0.57	0.57	0.54	0.52	0.45	0.41	0.35	0.34	0.31	0.31	0.31	0.34	0.35	0.41	0.45	0.52	0.54	0.57	0.57
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: 2017-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 7.500m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.1V I:0.7311A P:156.4W PF:0.9585 Freq:49.99Hz Lamp Flux:21100.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150W oH	DIM.: $\phi 0.318 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.24M$	Shielding Angle:

Table--2

UNIT: $\times 10cd$

C (DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110		
5	1109	1110	1109	1110	1110	1111	1112	1113	1113	1113	1112	1111	1110	1110	1109	1110	1109		
10	1115	1116	1115	1116	1117	1118	1119	1120	1120	1120	1119	1118	1117	1116	1115	1116	1115		
15	1122	1121	1120	1121	1121	1123	1123	1124	1124	1124	1123	1123	1121	1121	1120	1121	1122		
20	1127	1126	1124	1123	1123	1123	1123	1122	1122	1122	1123	1123	1123	1123	1124	1126	1127		
25	1124	1122	1120	1117	1116	1114	1113	1110	1109	1110	1113	1114	1116	1117	1120	1122	1124		
30	1100	1095	1092	1089	1086	1081	1076	1068	1063	1068	1076	1081	1086	1089	1092	1095	1100		
35	1048	1038	1030	1022	1015	1005	1000	991	988	991	1000	1005	1015	1022	1030	1038	1048		
40	952	937	929	909	899	885	879	870	869	870	879	885	899	909	929	937	952		
45	734	712	703	673	661	637	633	612	609	612	633	637	661	673	703	712	734		
50	259	227	239	204	203	181	182	162	162	162	182	181	203	204	239	227	259		
55	26.7	25.6	28.0	25.0	26.9	24.5	26.1	23.9	24.9	23.9	26.1	24.5	26.9	25.0	28.0	25.6	26.7		
60	14.5	14.3	14.4	14.2	14.2	14.1	14.0	13.7	13.6	13.7	14.0	14.1	14.2	14.2	14.4	14.3	14.5		
65	10.5	10.4	10.4	10.3	10.3	10.1	10.1	9.97	9.75	9.97	10.1	10.1	10.3	10.3	10.4	10.4	10.5		
70	7.79	7.67	7.64	7.53	7.54	7.40	7.40	7.26	7.12	7.26	7.40	7.40	7.54	7.53	7.64	7.67	7.79		
75	5.57	5.47	5.44	5.33	5.30	5.20	5.20	5.00	4.90	5.00	5.20	5.20	5.30	5.33	5.44	5.47	5.57		
80	3.05	2.87	2.86	2.70	2.69	2.56	2.54	2.36	2.25	2.36	2.54	2.56	2.69	2.70	2.86	2.87	3.05		
85	0.57	0.54	0.52	0.45	0.41	0.35	0.34	0.31	0.31	0.31	0.34	0.35	0.41	0.45	0.52	0.54	0.57		
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: 2017-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 7.500m [K=1.0000]
 Remarks: