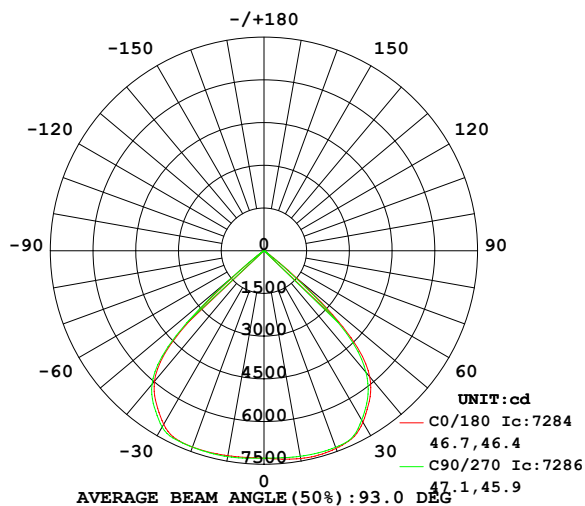


LUMINAIRE PHOTOMETRIC TEST REPORT

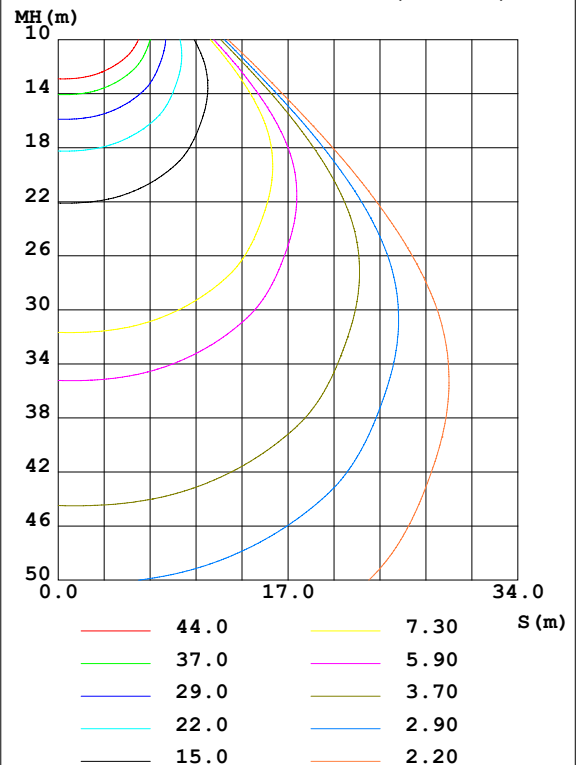
Test:U:220.8V I:0.4610A P:100.3W PF:0.9851 Freq:49.99Hz Lamp Flux:13754.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-90D	DIM.: 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.14M	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 137.14 lm/W			
MODEL	3030	I _{max} (cd)	7429	S/MH (C0/180)	1.38
NOMINAL POWER (W)	100	LOR (%)	100.0	S/MH (C90/270)	1.39
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	13754	η UP, DN (C0-180)	0.0, 49.1
NOMINAL FLUX (lm)	13754.1	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 50.9
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: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-10-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 7.684m [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	7409	7378	7328	7294	7308	7327	7342	7386	0- 10	698.8	698.8	5.08,5.08
20	7389	7365	7345	7321	7337	7355	7338	7390	10- 20	2086	2785	20.2,20.2
30	6949	6869	6865	6967	7044	7108	7155	7094	20- 30	3353	6139	44.6,44.6
40	5769	5612	5575	5758	5981	6098	6113	5946	30- 40	4064	10202	74.2,74.2
50	1513	1407	1209	1336	1437	1559	1715	1557	40- 50	3156	13359	97.1,97.1
60	69.49	69.36	70.75	69.50	67.88	69.04	73.77	75.02	50- 60	312.1	13671	99.4,99.4
70	38.17	38.10	37.45	36.86	37.36	38.61	39.94	39.20	60- 70	51.20	13722	99.8,99.8
80	13.68	12.31	10.77	11.40	12.05	13.70	14.66	14.33	70- 80	27.96	13750	100,100
90	0	0	0	0	0	0	0	0	80- 90	4.253	13754	100,100
100	0	0	0	0	0	0	0	0	90-100	0	13754	100,100
110	0	0	0	0	0	0	0	0	100-110	0	13754	100,100
120	0	0	0	0	0	0	0	0	110-120	0	13754	100,100
130	0	0	0	0	0	0	0	0	120-130	0	13754	100,100
140	0	0	0	0	0	0	0	0	130-140	0	13754	100,100
150	0	0	0	0	0	0	0	0	140-150	0	13754	100,100
160	0	0	0	0	0	0	0	0	150-160	0	13754	100,100
170	0	0	0	0	0	0	0	0	160-170	0	13754	100,100
180	0	0	0	0	0	0	0	0	170-180	0	13754	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 12147 lm

%lum = 88.3%

%lamp = 88.3%

Conical surface Flux(120deg): 13671 lm

%lum = 99.4%

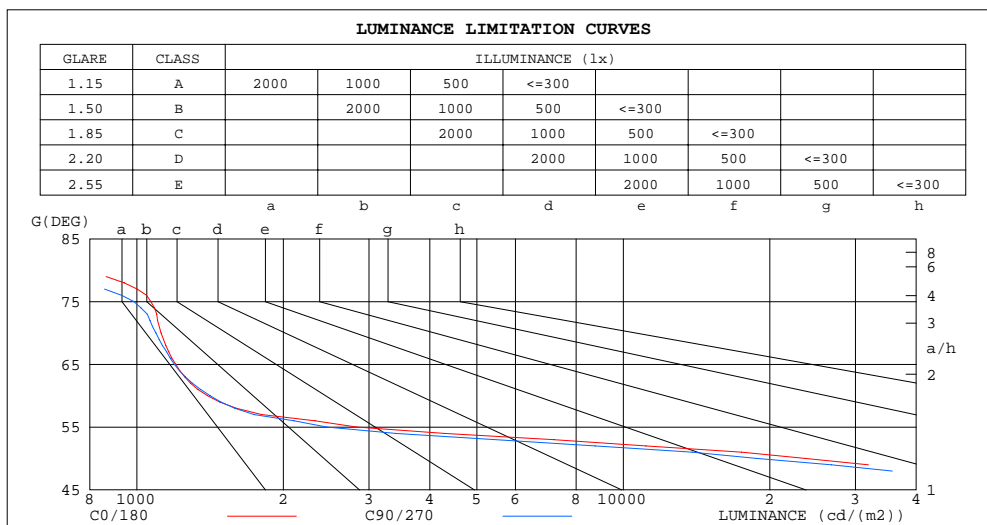
%lamp = 99.4%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-10-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.684m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.8V I:0.4610A P:100.3W PF:0.9851 Freq:49.99Hz Lamp Flux:13754.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-3030-90D	DIM.: 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.14M	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	287	113
80	792	620
75	1068	986
70	1122	1094
65	1202	1194
60	1397	1414
55	2827	2456
50	23654	18795
45	61465	57853

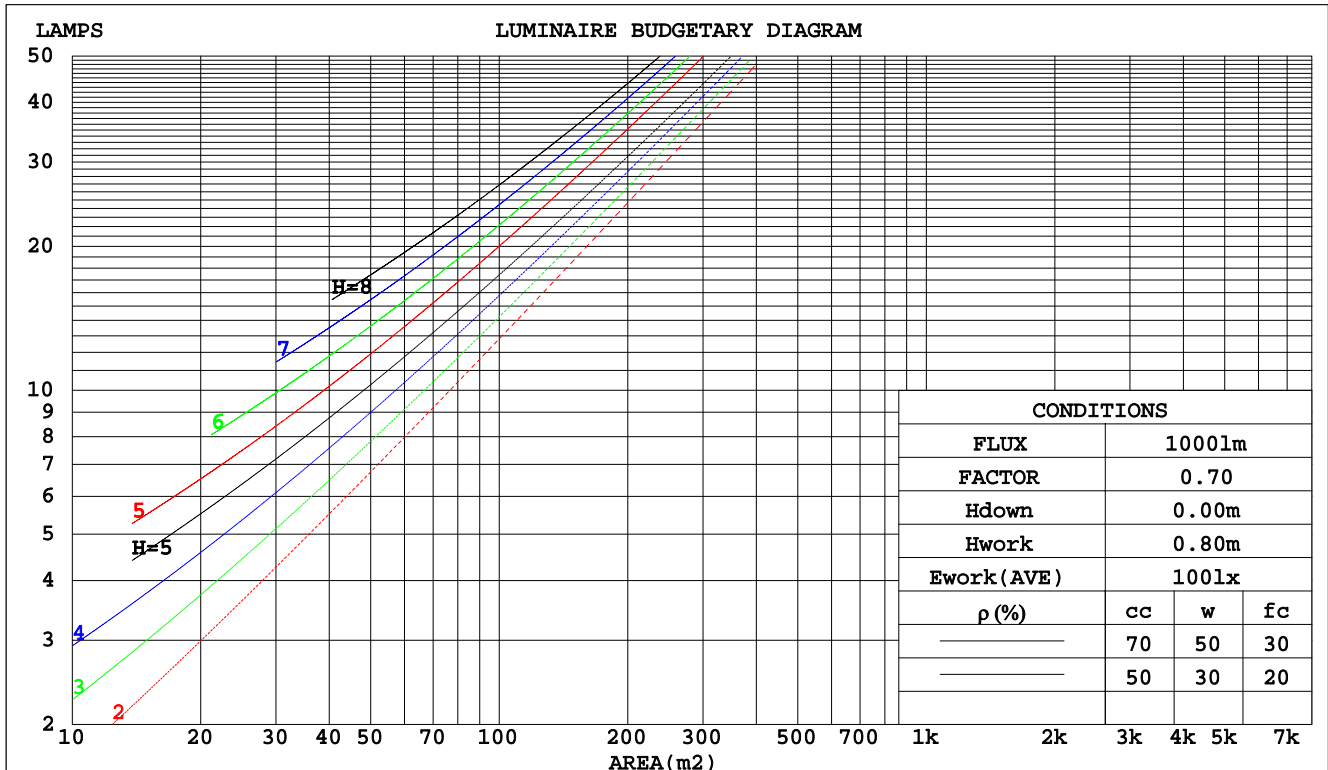
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.684m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.8V I:0.4610A P:100.3W PF:0.9851 Freq:49.99Hz Lamp Flux:13754.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-90D	DIM.: 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:±0.14M	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	.00
1.0	1.09	1.06	1.04	1.07	1.05	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	.83
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	.50
8.0	.59	.52	.47	.59	.52	.47	.58	.52	.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: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-10-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.684m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:220.8V I:0.4610A P:100.3W PF:0.9851 Freq:49.99Hz Lamp Flux:13754.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-90D	DIM.: 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.14M	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	.206	.117	.037	.199	.114	.036	.187	.107	.034	.175	.101	.032	.164	.095	.031	
2.0	.202	.110	.034	.196	.108	.033	.185	.103	.032	.175	.098	.031	.166	.094	.030	
3.0	.194	.103	.031	.189	.101	.030	.180	.097	.030	.171	.094	.029	.163	.090	.028	
4.0	.186	.097	.028	.182	.095	.028	.173	.092	.027	.166	.089	.027	.159	.086	.026	
5.0	.178	.091	.026	.174	.089	.026	.167	.087	.026	.160	.084	.025	.153	.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	.069	.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	.039	.017	.015	.013	
3.0	.150	.114	.085	.128	.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	.088	.055	.115	.077	.048	.079	.053	.034	.046	.031	.020	.015	.010	.007	
6.0	.127	.080	.045	.109	.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: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.684m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.8V I:0.4610A P:100.3W PF:0.9851 Freq:49.99Hz Lamp Flux:13754.1x1 lm										
NAME: AOK oH					TYPE:LED			WEIGHT:2.9KG		
SPEC.:AOK-100WoH-3030-90D					DIM.: 0.248*0.138M			SERIAL No.:1		
MFR.: AOK					SUR.:±0.14M			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	13.8	15.0	14.0	15.2	15.3	13.6	14.7	13.8	14.9	15.1
3H	13.6	14.7	13.9	14.9	15.1	13.4	14.4	13.7	14.7	14.9
4H	13.5	14.5	13.8	14.8	15.0	13.3	14.3	13.6	14.5	14.8
6H	13.4	14.4	13.7	14.6	14.9	13.2	14.1	13.5	14.4	14.6
8H	13.4	14.3	13.7	14.6	14.8	13.2	14.1	13.5	14.3	14.6
12H	13.3	14.2	13.7	14.5	14.8	13.1	14.0	13.4	14.2	14.5
4H 2H	13.5	14.5	13.8	14.8	15.0	13.3	14.3	13.6	14.5	14.8
3H	13.3	14.2	13.7	14.5	14.8	13.1	14.0	13.4	14.2	14.5
4H	13.3	14.0	13.6	14.3	14.7	13.0	13.8	13.4	14.1	14.4
6H	13.2	13.8	13.6	14.2	14.5	12.9	13.6	13.3	13.9	14.3
8H	13.1	13.7	13.5	14.1	14.5	12.9	13.5	13.3	13.9	14.2
12H	13.1	13.6	13.5	14.0	14.4	12.8	13.4	13.3	13.8	14.2
8H 4H	13.1	13.7	13.5	14.1	14.5	12.9	13.5	13.3	13.9	14.2
6H	13.0	13.5	13.5	13.9	14.4	12.8	13.3	13.2	13.7	14.1
8H	13.0	13.4	13.4	13.8	14.3	12.7	13.2	13.2	13.6	14.1
12H	12.9	13.3	13.4	13.8	14.2	12.7	13.1	13.2	13.5	14.0
12H 4H	13.1	13.6	13.5	14.0	14.4	12.8	13.4	13.3	13.8	14.2
6H	13.0	13.4	13.4	13.8	14.3	12.7	13.2	13.2	13.6	14.1
8H	12.9	13.3	13.4	13.8	14.2	12.7	13.1	13.2	13.5	14.0
Variations with the observer position at spacings:										
S = 1.0H	+ 3.0 / -16.2					+ 3.0 / -16.3				
1.5H	+ 2.6 / -15.9					+ 2.7 / -16.0				
2.0H	+ 7.3 / -15.2					+ 7.3 / -14.9				

CIE Pub.117, 13754 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 9.1$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.684m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.8V I:0.4610A P:100.3W PF:0.9851 Freq:49.99Hz Lamp Flux:13754.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-90D	DIM.: 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.14M	Shielding Angle:

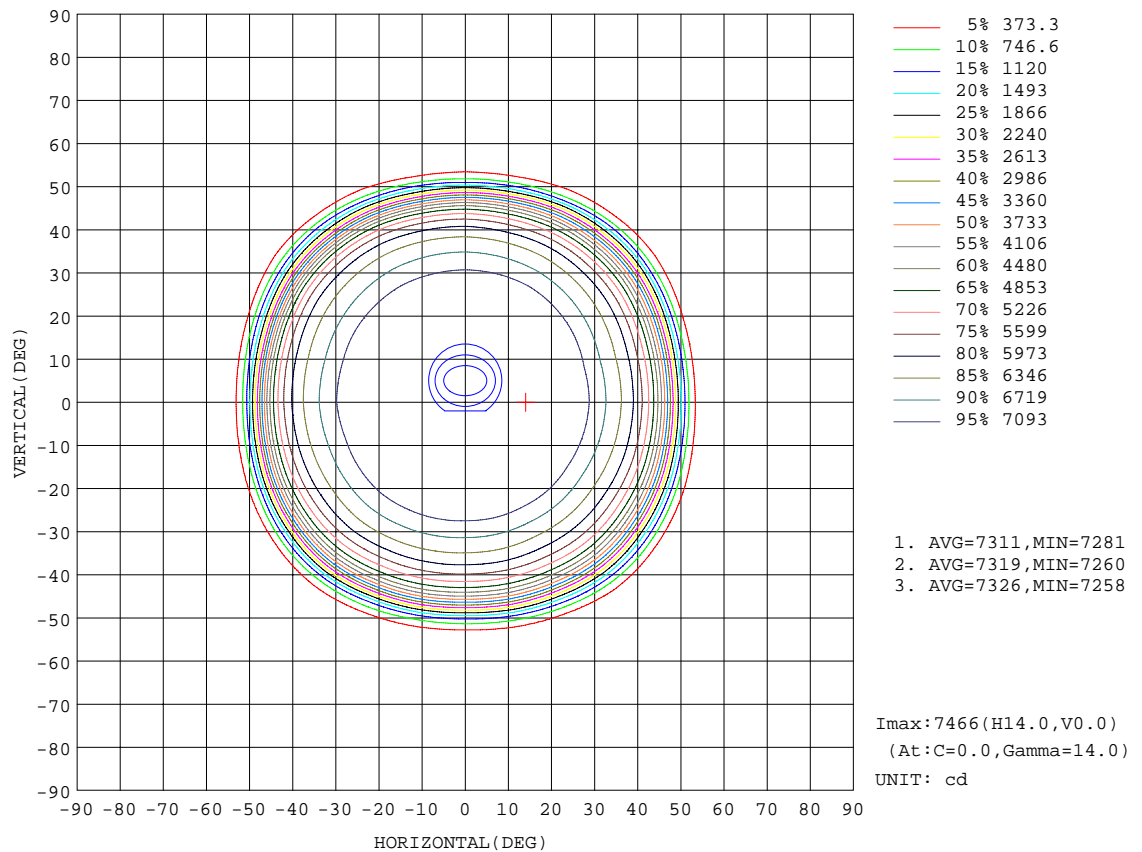
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	75	67	62	75	66	61	74	66	61	57
0.80	85	77	72	84	76	72	83	76	71	66
1.00	92	85	80	91	84	79	89	84	79	74
1.25	97	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										
SHRNM = 1.25										

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.684m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.8V I:0.4610A P:100.3W PF:0.9851 Freq:49.99Hz Lamp Flux:13754.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-90D	DIM.: 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.14M	Shielding Angle:



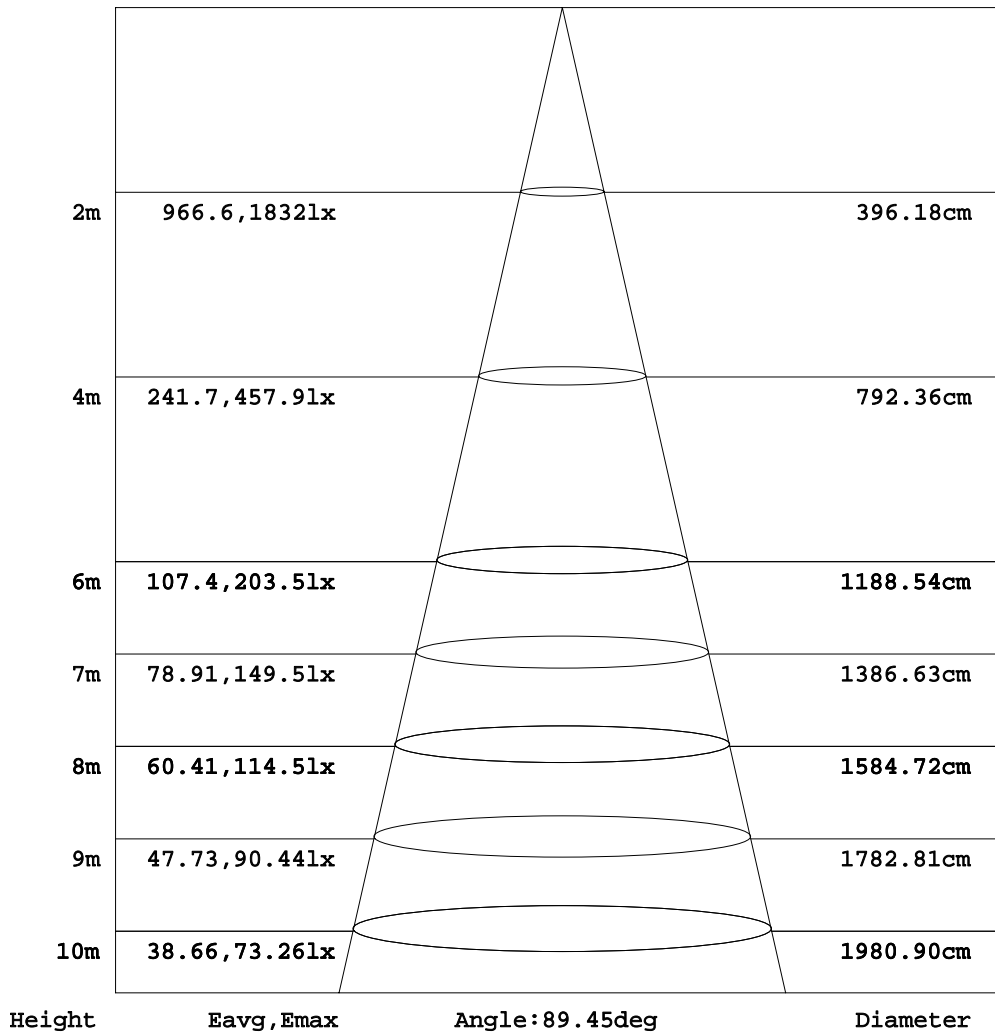
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.684m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.8V I:0.4610A P:100.3W PF:0.9851 Freq:49.99Hz Lamp Flux:13754.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-90D	DIM.: 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.14M	Shielding Angle:

Flux out:12147 lm



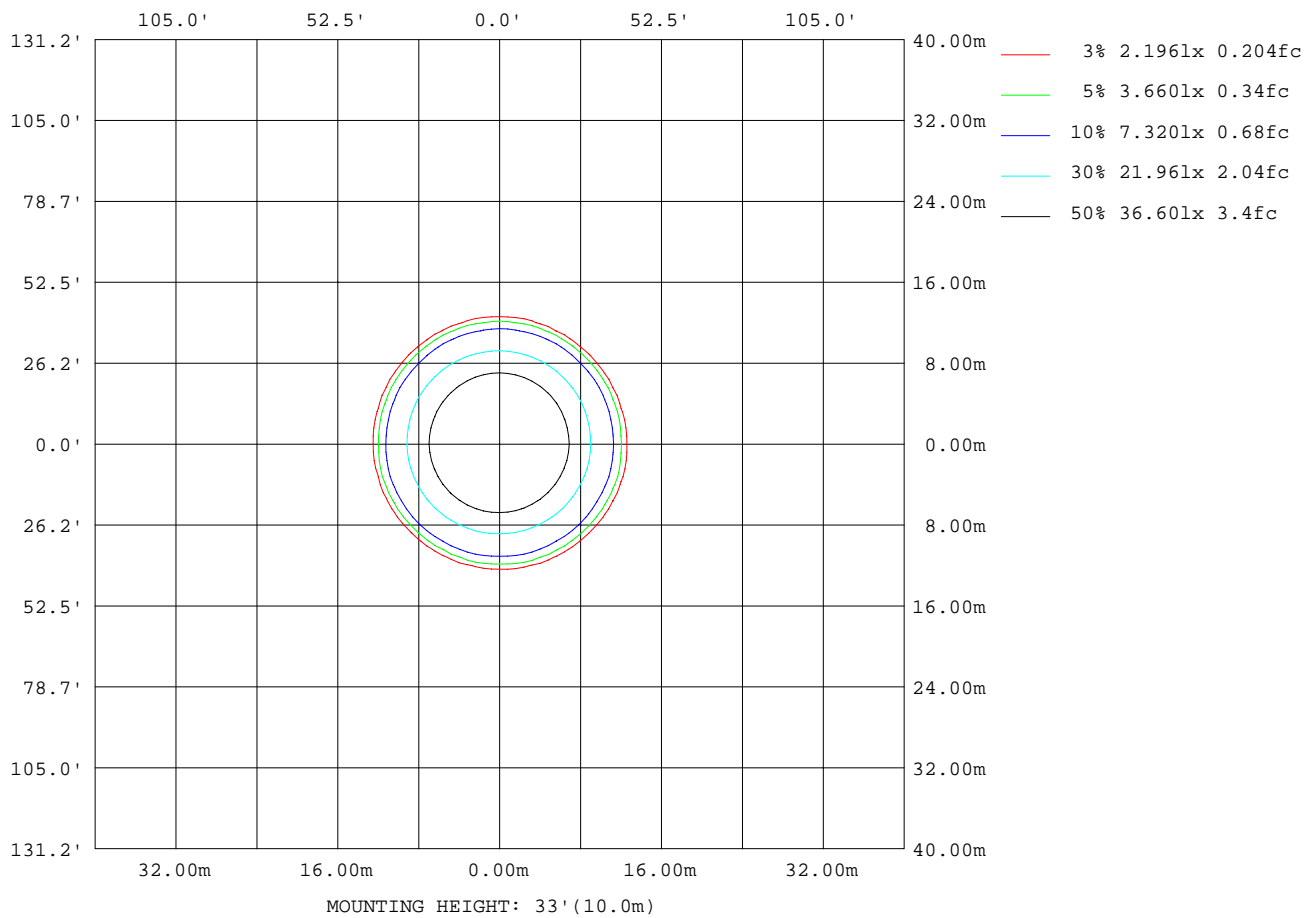
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.684m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.8V I:0.4610A P:100.3W PF:0.9851 Freq:49.99Hz Lamp Flux:13754.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-3030-90D	DIM.: 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.14M	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.684m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.8V I:0.4610A P:100.3W PF:0.9851 Freq:49.99Hz Lamp Flux:13754.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-3030-90D	DIM.: 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.14M	Shielding Angle:

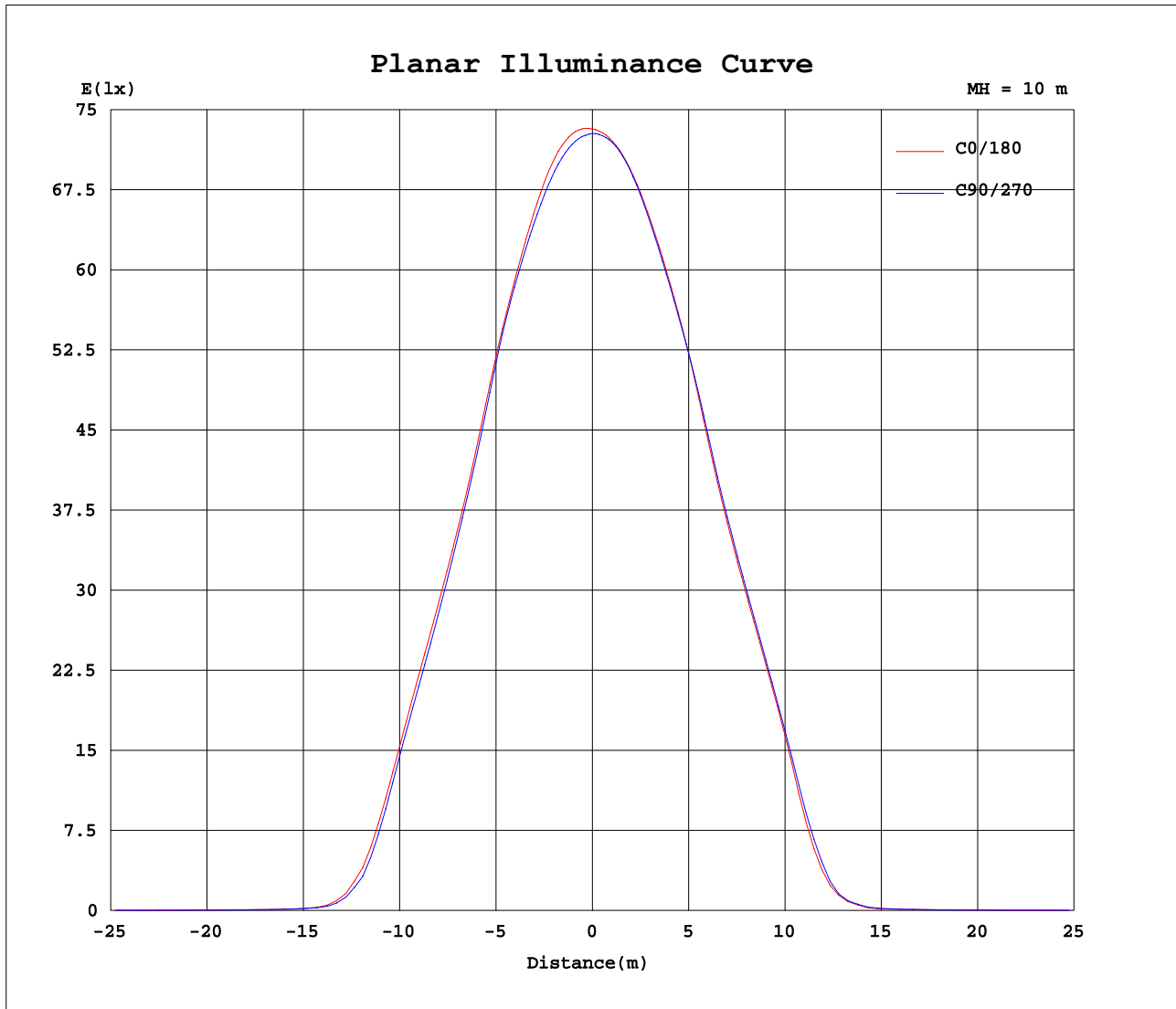
AvgL	cd/m2
L_0~180 (65) av	1186
L_0~180 (75) av	1043
L_0~180 (85) av	212
L_90~270 (65) av	1219
L_90~270 (75) av	1053
L_90~270 (85) av	229
L_45 (65) av	1194
L_45 (75) av	1052
L_45 (85) av	260

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.684m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-10-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.684m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.8V I:0.4610A P:100.3W PF:0.9851 Freq:49.99Hz Lamp Flux:13754.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-90D	DIM.: 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.14M	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	7284	7284	7284	7284	7284	7284	7284	7284	7284	7284	7284	7284	7284	7284	7284	7284	7284	7284	7284
5	7343	7336	7333	7324	7317	7306	7295	7287	7283	7276	7279	7277	7283	7287	7291	7294	7300	7305	7309
10	7409	7401	7393	7378	7363	7343	7328	7310	7302	7294	7297	7295	7308	7315	7323	7327	7333	7336	7342
15	7427	7420	7410	7396	7383	7364	7346	7327	7319	7311	7313	7312	7329	7339	7347	7348	7345	7343	7348
20	7389	7378	7370	7365	7359	7355	7345	7335	7329	7321	7322	7322	7337	7341	7352	7355	7350	7340	7338
25	7285	7265	7255	7257	7258	7267	7265	7275	7284	7290	7290	7289	7297	7299	7315	7324	7324	7317	7317
30	6949	6916	6878	6869	6853	6863	6865	6895	6921	6967	6996	7024	7044	7052	7092	7108	7139	7143	7155
35	6447	6404	6351	6334	6315	6339	6343	6374	6415	6476	6509	6557	6582	6589	6632	6659	6696	6704	6711
40	5769	5723	5636	5612	5568	5585	5575	5617	5660	5758	5828	5933	5981	6019	6082	6098	6131	6116	6113
45	4325	4301	4173	4172	4087	4129	4095	4192	4224	4373	4426	4569	4610	4648	4776	4764	4815	4741	4766
50	1513	1544	1416	1407	1288	1305	1209	1250	1206	1336	1327	1452	1437	1444	1565	1559	1663	1630	1715
55	161	165	154	155	145	148	141	143	141	148	146	148	142	142	157	162	174	173	175
60	69.5	68.5	68.1	69.4	69.8	71.7	70.8	70.2	69.3	69.5	68.3	68.2	67.9	67.1	68.2	69.0	71.7	73.1	73.8
65	50.5	50.1	50.0	50.9	50.9	51.1	50.5	50.1	49.5	48.7	49.0	49.6	49.7	49.5	50.1	50.6	51.7	52.4	52.5
70	38.2	38.3	38.1	38.1	38.0	37.9	37.5	37.3	37.1	36.9	37.2	37.6	37.4	37.6	38.5	38.6	39.5	39.6	39.9
75	27.5	27.5	27.0	26.6	26.2	26.1	25.5	25.8	25.8	26.0	26.0	26.5	26.5	26.9	27.7	27.7	28.5	28.6	29.0
80	13.7	13.3	12.5	12.3	11.4	11.2	10.8	10.9	10.8	11.4	11.4	12.1	12.1	12.4	13.2	13.7	14.4	14.4	14.7
85	2.49	2.44	1.95	1.85	1.40	1.35	0.99	1.07	0.92	2.54	1.07	2.75	1.20	1.31	1.62	1.73	2.22	2.49	3.00
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: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-10-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.684m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.8V I:0.4610A P:100.3W PF:0.9851 Freq:49.99Hz Lamp Flux:13754.1x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-90D	DIM.: 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.14M	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	7284	7284	7284	7284	7284														
5	7316	7324	7329	7335	7337														
10	7355	7370	7386	7398	7402														
15	7362	7383	7404	7421	7424														
20	7352	7374	7390	7401	7397														
25	7326	7339	7337	7328	7305														
30	7146	7139	7094	7056	6992														
35	6690	6665	6611	6558	6490														
40	6056	6024	5946	5908	5825														
45	4671	4648	4524	4510	4374														
50	1615	1647	1557	1591	1488														
55	171	180	171	171	159														
60	73.3	74.6	75.0	73.8	70.5														
65	52.0	52.1	51.7	51.6	50.6														
70	39.5	39.5	39.2	39.1	38.4														
75	28.9	29.1	28.6	28.4	27.6														
80	14.8	14.8	14.3	14.2	13.8														
85	3.08	3.21	2.96	2.90	2.44														
90	0.00	0.00	0.00	0.00	0.00														
95	0.00	0.00	0.00	0.00	0.00														
100	0.00	0.00	0.00	0.00	0.00														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.00	0.00	0.00	0.00														
135	0.00	0.00	0.00	0.00	0.00														
140	0.00	0.00	0.00	0.00	0.00														
145	0.00	0.00	0.00	0.00	0.00														
150	0.00	0.00	0.00	0.00	0.00														
155	0.00	0.00	0.00	0.00	0.00														
160	0.00	0.00	0.00	0.00	0.00														
165	0.00	0.00	0.00	0.00	0.00														
170	0.00	0.00	0.00	0.00	0.00														
175	0.00	0.00	0.00	0.00	0.00														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.684m [K=1.0000]
Remarks: