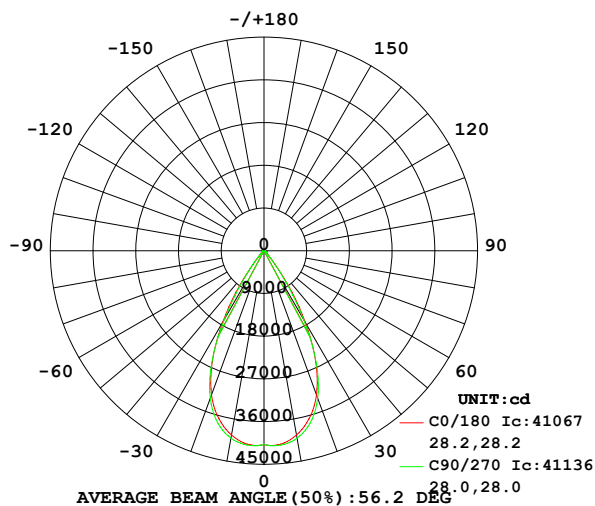


LUMINAIRE PHOTOMETRIC TEST REPORT

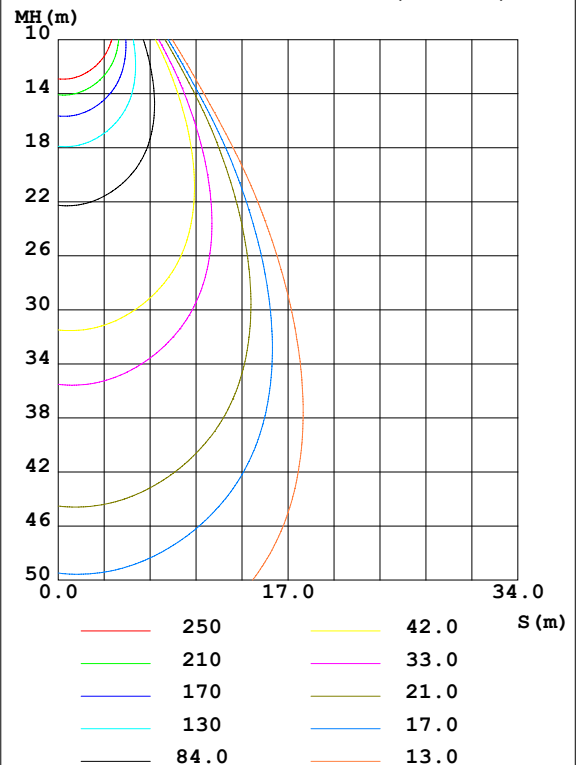
Test:U:220.7V I:1.104A P:238.9W PF:0.9806 Freq:49.99Hz Lamp Flux:34472.4x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-240WoH-3030-60D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.29M	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 144.32 lm/W			
MODEL	3030	I _{max} (cd)	41371	S/MH (C0/180)	0.84
NOMINAL POWER (W)	240	LOR (%)	100.0	S/MH (C90/270)	0.83
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	34472	η UP,DN (C0-180)	0.0,50.0
NOMINAL FLUX (lm)	34472.4	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,50.0
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	0.90

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:2018-10-19

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	3942	4049	4009	4049	3942	4049	4009	4049	0- 10	3903	3903	11.3,11.3
20	3235	3414	3311	3414	3235	3414	3311	3414	10- 20	10535	14439	41.9,41.9
30	1745	1804	1674	1804	1745	1804	1674	1804	20- 30	11988	26427	76.7,76.7
40	295.2	312.2	302.5	312.2	295.2	312.2	302.5	312.2	30- 40	5654	32081	93.1,93.1
50	76.49	70.70	69.01	70.70	76.49	70.70	69.01	70.70	40- 50	1028	33110	96,96
60	59.95	57.76	55.92	57.76	59.95	57.76	55.92	57.76	50- 60	572.7	33682	97.7,97.7
70	38.05	37.65	36.06	37.65	38.05	37.65	36.06	37.65	60- 70	477.9	34160	99.1,99.1
80	14.41	13.40	12.26	13.40	14.41	13.40	12.26	13.40	70- 80	275.1	34435	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	37.17	34472	100,100
100	0	0	0	0	0	0	0	0	90-100	0	34472	100,100
110	0	0	0	0	0	0	0	0	100-110	0	34472	100,100
120	0	0	0	0	0	0	0	0	110-120	0	34472	100,100
130	0	0	0	0	0	0	0	0	120-130	0	34472	100,100
140	0	0	0	0	0	0	0	0	130-140	0	34472	100,100
150	0	0	0	0	0	0	0	0	140-150	0	34472	100,100
160	0	0	0	0	0	0	0	0	150-160	0	34472	100,100
170	0	0	0	0	0	0	0	0	160-170	0	34472	100,100
180	0	0	0	0	0	0	0	0	170-180	0	34472	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 32768 lm

%lum = 95.1%

%lamp = 95.1%

Conical surface Flux(120deg): 33682 lm

%lum = 97.7%

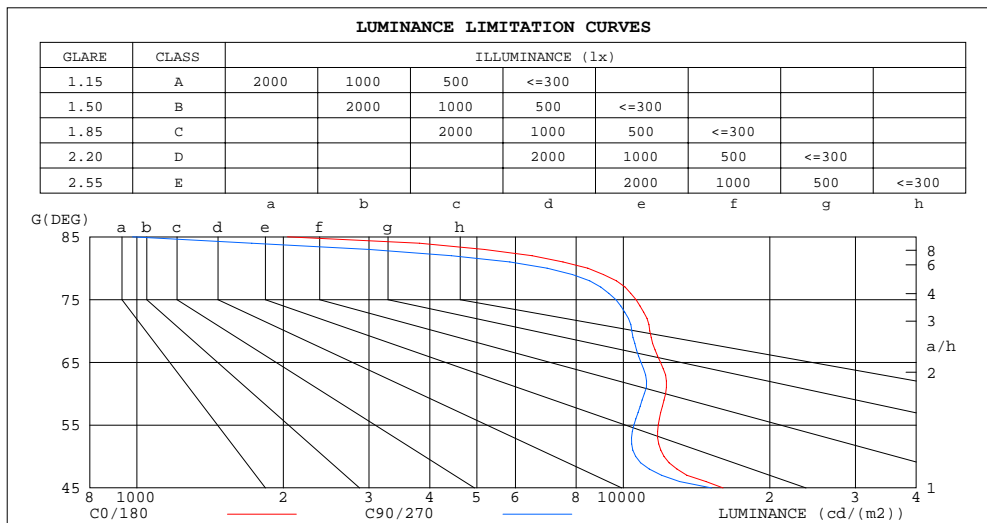
%lamp = 97.7%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-10-19

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:220.7V I:1.104A P:238.9W PF:0.9806 Freq:49.99Hz Lamp Flux:34472.4x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-240W oH-3030-60D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.29M	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2041	980
80	8454	6974
75	10617	9648
70	11334	10414
65	11921	10874
60	12217	11046
55	11800	10513
50	12125	10603
45	16036	15184

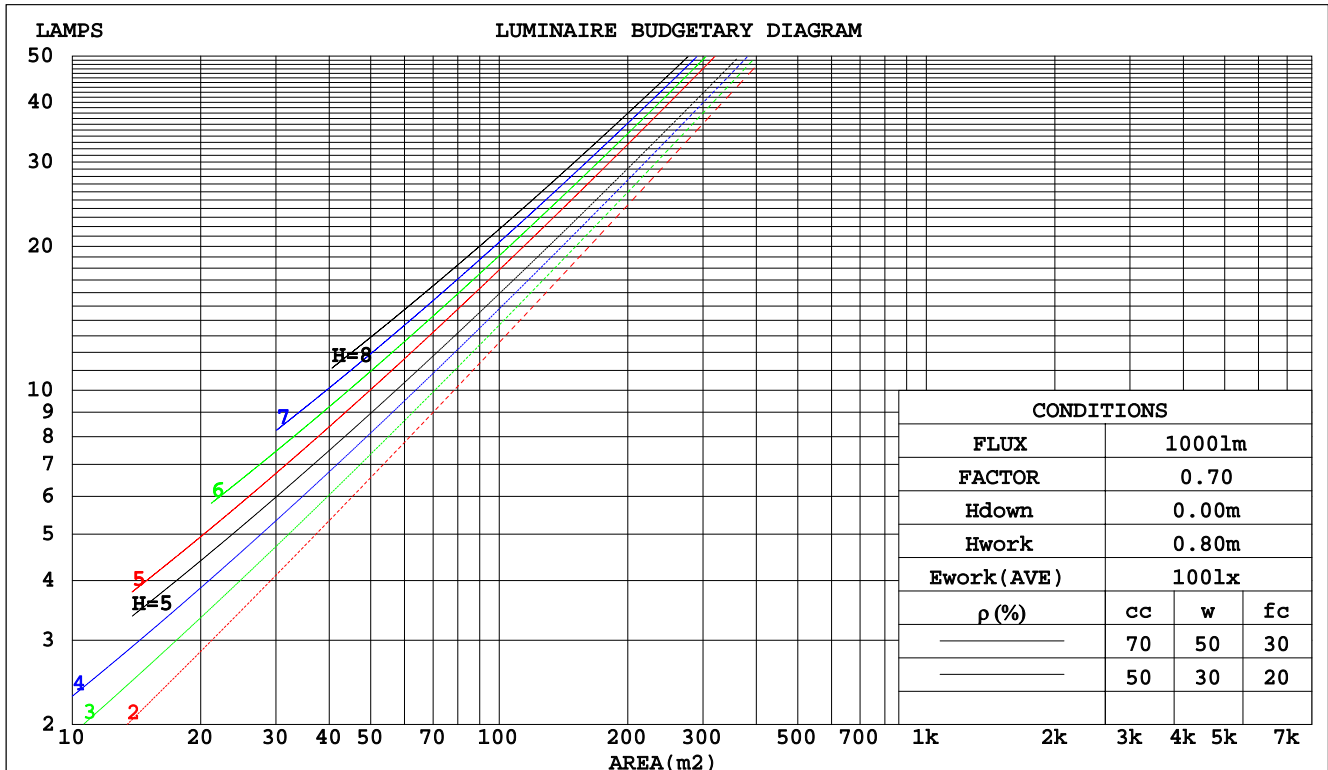
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-19

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:220.7V I:1.104A P:238.9W PF:0.9806 Freq:49.99Hz Lamp Flux:34472.4x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-240W oH-3030-60D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.29M	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	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	1.11	1.08	1.06	1.08	1.06	1.04	1.04	1.03	1.01	1.01	.99	.98	.97	.96	.95	.93
2.0	1.03	.99	.96	1.01	.98	.94	.98	.95	.92	.95	.93	.90	.92	.90	.89	.87
3.0	.96	.91	.87	.95	.90	.87	.92	.88	.85	.90	.87	.84	.87	.85	.83	.81
4.0	.90	.85	.80	.89	.84	.80	.87	.82	.79	.85	.81	.78	.83	.80	.77	.76
5.0	.85	.79	.75	.84	.78	.74	.82	.77	.74	.80	.76	.73	.79	.75	.72	.71
6.0	.80	.74	.70	.79	.73	.69	.77	.73	.69	.76	.72	.68	.75	.71	.68	.67
7.0	.75	.69	.65	.75	.69	.65	.73	.68	.65	.72	.68	.64	.71	.67	.64	.63
8.0	.71	.65	.61	.71	.65	.61	.69	.64	.61	.68	.64	.61	.67	.63	.60	.59
9.0	.67	.62	.58	.67	.61	.58	.66	.61	.57	.65	.60	.57	.64	.60	.57	.56
10.0	.64	.58	.54	.63	.58	.54	.63	.58	.54	.62	.57	.54	.61	.57	.54	.53



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-10-19

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:220.7V I:1.104A P:238.9W PF:0.9806 Freq:49.99Hz Lamp Flux:34472.4x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-240WoH-3030-60D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.29M	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	.180	.102	.032	.173	.099	.031	.161	.092	.029	.149	.086	.028	.139	.080	.026		
2.0	.171	.094	.029	.166	.091	.028	.155	.086	.027	.145	.082	.026	.136	.077	.024		
3.0	.162	.086	.026	.157	.084	.025	.148	.080	.024	.140	.077	.024	.132	.073	.023		
4.0	.154	.080	.023	.150	.078	.023	.142	.075	.022	.135	.072	.022	.128	.069	.021		
5.0	.146	.074	.022	.142	.073	.021	.136	.071	.021	.129	.068	.020	.123	.066	.020		
6.0	.139	.070	.020	.136	.069	.020	.130	.067	.019	.124	.065	.019	.119	.063	.019		
7.0	.133	.066	.019	.130	.065	.018	.124	.063	.018	.120	.061	.018	.115	.060	.018		
8.0	.127	.062	.017	.124	.061	.017	.119	.060	.017	.115	.058	.017	.111	.057	.017		
9.0	.121	.059	.016	.119	.058	.016	.115	.057	.016	.111	.056	.016	.107	.054	.016		
10.0	.116	.056	.015	.114	.055	.015	.110	.054	.015	.107	.053	.015	.104	.052	.015		

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	.171	.157	.145	.147	.135	.124	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.156	.132	.113	.134	.114	.097	.092	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.144	.114	.090	.123	.098	.078	.085	.068	.054	.049	.040	.032	.016	.013	.011	
4.0	.133	.099	.073	.114	.085	.063	.079	.060	.044	.046	.035	.026	.015	.011	.009	
5.0	.125	.087	.060	.107	.075	.052	.074	.053	.037	.043	.031	.022	.014	.010	.007	
6.0	.117	.078	.050	.101	.067	.043	.069	.047	.031	.040	.028	.018	.013	.009	.006	
7.0	.110	.070	.042	.095	.061	.037	.066	.043	.026	.038	.025	.016	.012	.008	.005	
8.0	.105	.064	.036	.090	.056	.032	.062	.039	.022	.036	.023	.013	.012	.008	.004	
9.0	.099	.059	.031	.086	.051	.027	.059	.036	.019	.035	.021	.012	.011	.007	.004	
10.0	.095	.054	.028	.082	.047	.024	.057	.033	.017	.033	.020	.010	.011	.006	.003	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-19

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:220.7V I:1.104A P:238.9W PF:0.9806 Freq:49.99Hz Lamp Flux:34472.4x1 lm										
NAME: AOK oH					TYPE:LED			WEIGHT:6KG		
SPEC.:AOK-240WoH-3030-60D					DIM.: 0.4*0.141M			SERIAL No.:1		
MFR.: AOK					SUR.:±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	7.2	8.2	7.5	8.3	8.5	6.7	7.7	7.0	7.8	8.0
3H	7.5	8.4	7.8	8.6	8.8	7.0	7.9	7.3	8.1	8.3
4H	7.7	8.5	8.0	8.7	9.0	7.2	8.0	7.5	8.2	8.5
6H	7.8	8.6	8.1	8.8	9.1	7.3	8.1	7.6	8.3	8.5
8H	7.8	8.5	8.1	8.8	9.1	7.3	8.0	7.6	8.3	8.5
12H	7.8	8.5	8.1	8.7	9.0	7.2	7.9	7.5	8.2	8.5
4H 2H	7.2	8.0	7.5	8.2	8.4	6.7	7.5	7.0	7.8	8.0
3H	7.6	8.4	8.0	8.6	8.9	7.2	7.9	7.5	8.2	8.4
4H	7.9	8.6	8.3	8.9	9.2	7.5	8.1	7.8	8.4	8.7
6H	8.1	8.7	8.5	9.0	9.4	7.6	8.2	8.0	8.5	8.9
8H	8.1	8.6	8.5	9.0	9.4	7.6	8.1	8.0	8.5	8.9
12H	8.1	8.6	8.5	8.9	9.3	7.6	8.1	8.0	8.4	8.8
8H 4H	7.9	8.5	8.3	8.8	9.2	7.5	8.0	7.9	8.4	8.8
6H	8.2	8.6	8.6	9.0	9.4	7.7	8.2	8.2	8.6	9.0
8H	8.2	8.6	8.7	9.0	9.5	7.7	8.1	8.2	8.5	9.0
12H	8.2	8.5	8.7	9.0	9.4	7.7	8.0	8.2	8.5	8.9
12H 4H	7.9	8.4	8.3	8.8	9.2	7.5	8.0	7.9	8.3	8.7
6H	8.2	8.6	8.6	9.0	9.4	7.7	8.1	8.2	8.5	9.0
8H	8.2	8.5	8.7	9.0	9.4	7.7	8.0	8.2	8.5	9.0
Variations with the observer position at spacings:										
S = 1.0H	+ 2.0 / - 1.5					+ 1.9 / - 1.7				
1.5H	+ 3.9 / - 1.5					+ 3.8 / - 1.7				
2.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.4				

CIE Pub.117, 34472 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 12.3$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-19

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:220.7V I:1.104A P:238.9W PF:0.9806 Freq:49.99Hz Lamp Flux:34472.4x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-240WoH-3030-60D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.29M	Shielding Angle:

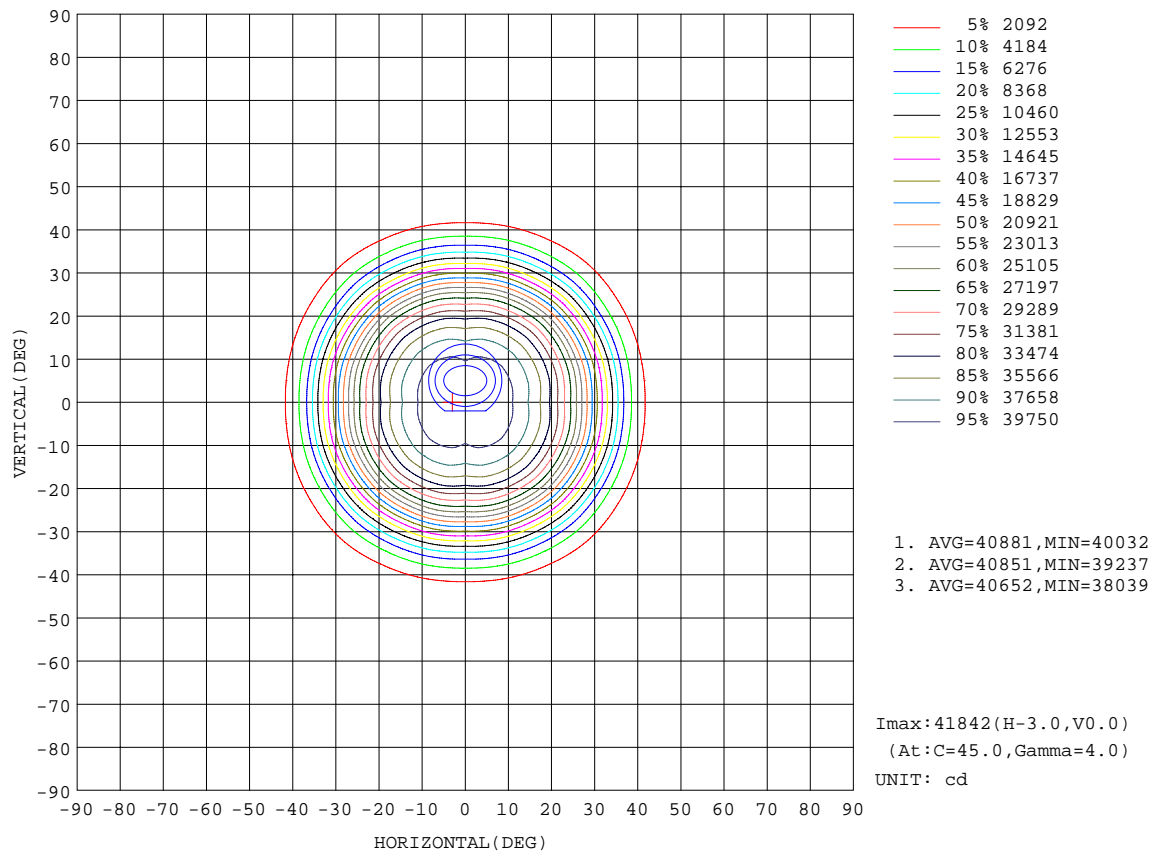
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	87	81	77	87	81	77	86	80	77	73
0.80	95	89	85	94	88	85	93	88	84	81
1.00	99	93	90	98	93	89	96	93	89	85
1.25	103	98	94	102	97	94	100	96	93	89
1.50	106	101	97	104	100	97	102	98	96	91
2.00	108	104	101	107	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	112	108	105	110	107	104	106	104	102	96
4.00	114	111	109	112	109	107	108	106	105	97
5.00	115	113	111	113	111	109	109	107	106	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-19

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:220.7V I:1.104A P:238.9W PF:0.9806 Freq:49.99Hz Lamp Flux:34472.4x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-240WoH-3030-60D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.29M	Shielding Angle:



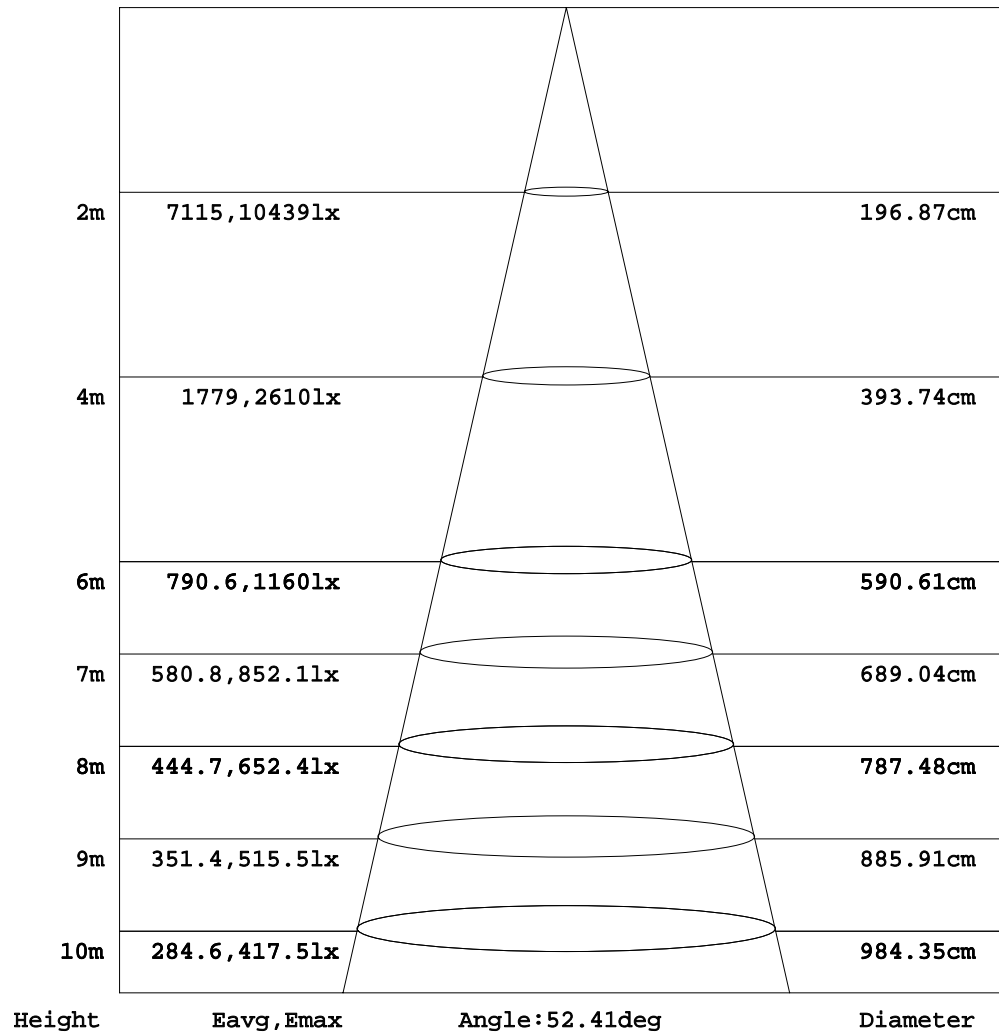
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-19

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:220.7V I:1.104A P:238.9W PF:0.9806 Freq:49.99Hz Lamp Flux:34472.4x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-240W oH-3030-60D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.29M	Shielding Angle:

Flux out:23212 lm



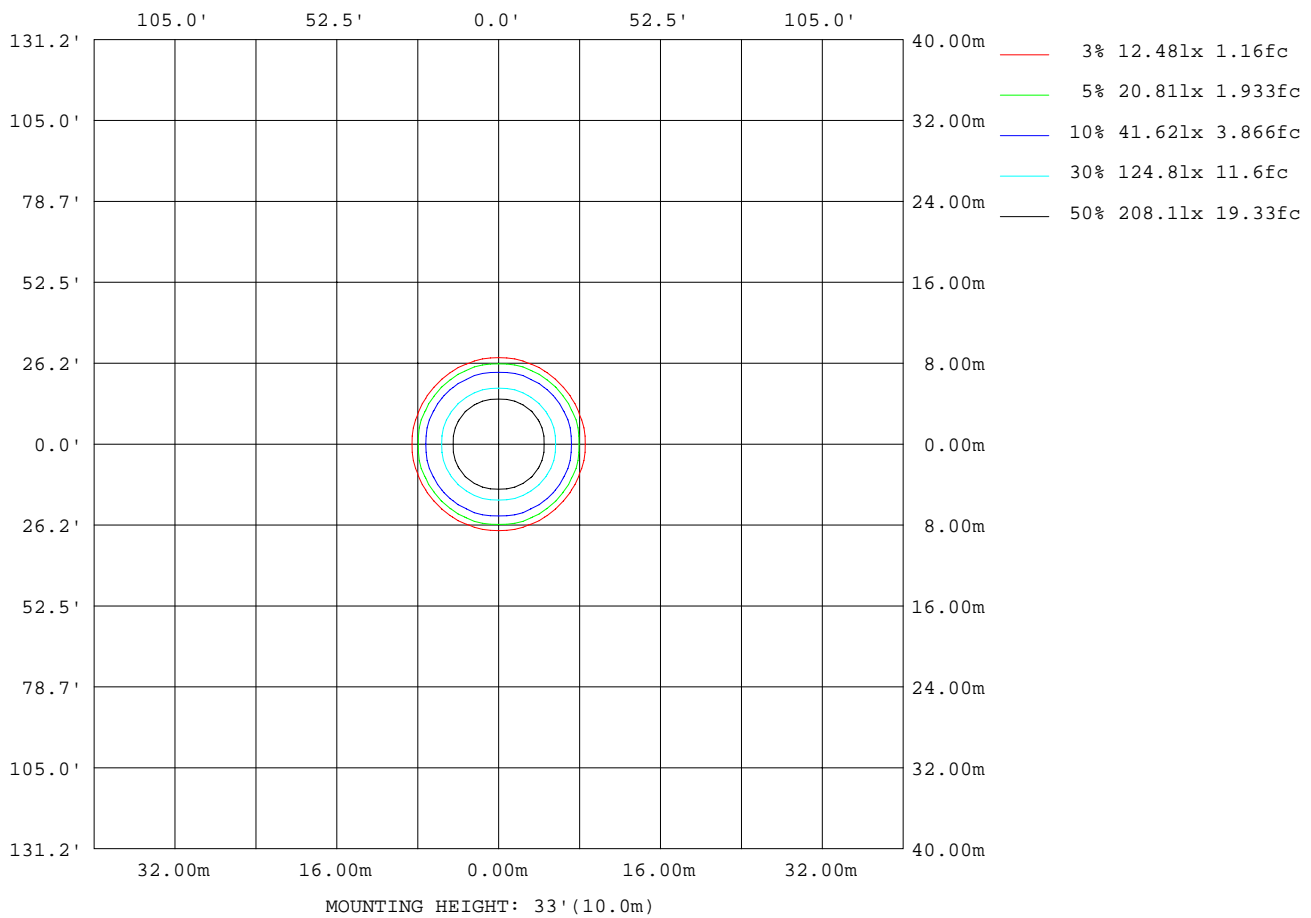
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-10-19

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:220.7V I:1.104A P:238.9W PF:0.9806 Freq:49.99Hz Lamp Flux:34472.4x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-240Woh-3030-60D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.29M	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-10-19

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:220.7V I:1.104A P:238.9W PF:0.9806 Freq:49.99Hz Lamp Flux:34472.4x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-240WoH-3030-60D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.29M	Shielding Angle:

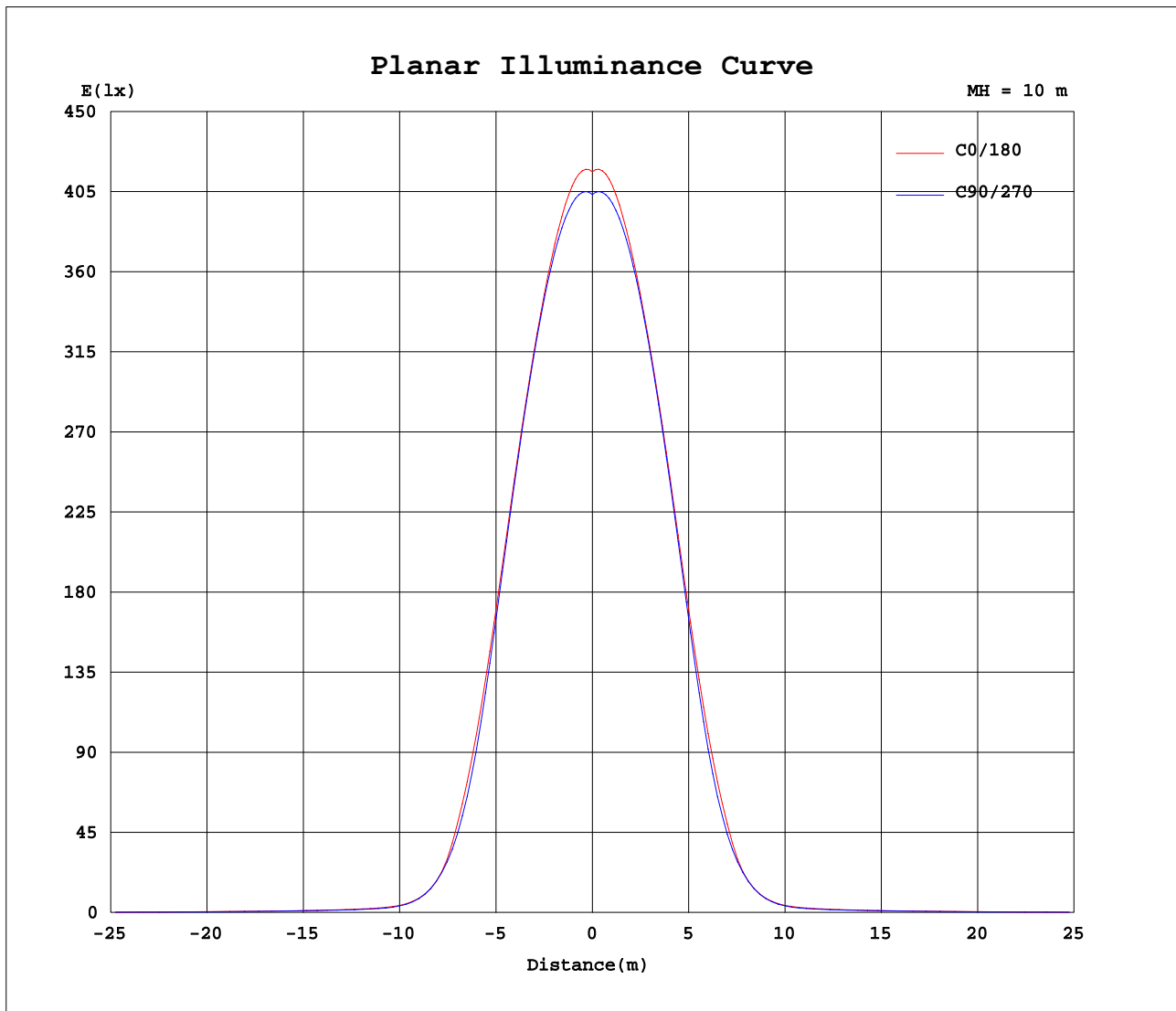
AvgL	cd/m2
L_0~180 (65) av	11701
L_0~180 (75) av	10420
L_0~180 (85) av	2003
L_90~270 (65) av	11010
L_90~270 (75) av	9769
L_90~270 (85) av	992
L_45 (65) av	11588
L_45 (75) av	10240
L_45 (85) av	1417

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-19

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: 2018-10-19

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:220.7V I:1.104A P:238.9W PF:0.9806 Freq:49.99Hz Lamp Flux:34472.4x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-240WoH-3030-60D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.29M	Shielding Angle:

Table--1

UNIT: ×10cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085
5	4090	4115	4126	4137	4134	4127	4109	4127	4134	4137	4126	4115	4090	4115	4126	4137	4134	4127	4109
10	3942	3994	4022	4049	4051	4044	4009	4044	4051	4049	4022	3994	3942	3994	4022	4049	4051	4044	4009
15	3666	3745	3783	3822	3820	3810	3759	3810	3820	3822	3783	3745	3666	3745	3783	3822	3820	3810	3759
20	3235	3335	3379	3414	3395	3374	3311	3374	3395	3414	3379	3335	3235	3335	3379	3414	3395	3374	3311
25	2580	2678	2714	2740	2699	2672	2606	2672	2699	2740	2714	2678	2580	2678	2714	2740	2699	2672	2606
30	1745	1809	1799	1804	1746	1732	1674	1732	1746	1804	1799	1809	1745	1809	1799	1804	1746	1732	1674
35	890	921	902	898	858	851	812	851	858	898	902	921	890	921	902	898	858	851	812
40	295	305	299	312	307	312	303	312	307	312	299	305	295	305	299	312	307	312	303
45	111	111	107	108	109	107	109	107	109	108	107	111	111	111	107	108	109	107	109
50	76.5	74.9	72.0	70.7	69.9	69.8	69.0	69.8	69.9	70.7	72.0	74.9	76.5	74.9	72.0	70.7	69.9	69.8	69.0
55	66.4	65.9	64.3	63.2	62.4	62.2	61.1	62.2	62.4	63.2	64.3	65.9	66.4	65.9	64.3	63.2	62.4	62.2	61.1
60	60.0	59.4	58.7	57.8	56.8	56.7	55.9	56.7	56.8	57.8	58.7	59.4	60.0	59.4	58.7	57.8	56.8	56.7	55.9
65	49.4	49.5	48.9	49.0	48.2	47.8	46.5	47.8	48.2	49.0	48.9	49.5	49.4	49.5	48.9	49.0	48.2	47.8	46.5
70	38.0	38.1	37.6	37.7	37.0	37.0	36.1	37.0	37.0	37.7	37.6	38.1	38.0	38.1	37.6	37.7	37.0	37.0	36.1
75	27.0	27.1	26.7	26.5	25.9	26.0	25.3	26.0	25.9	26.5	26.7	27.1	27.0	27.1	26.7	26.5	25.9	26.0	25.3
80	14.4	14.2	13.7	13.4	12.6	12.6	12.3	12.6	12.6	13.4	13.7	14.2	14.4	14.2	13.7	13.4	12.6	12.6	12.3
85	1.75	1.63	1.29	1.23	1.00	0.97	0.86	0.97	1.00	1.23	1.29	1.63	1.75	1.63	1.29	1.23	1.00	0.97	0.86
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:2018-10-19

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:220.7V I:1.104A P:238.9W PF:0.9806 Freq:49.99Hz Lamp Flux:34472.4x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-240WoH-3030-60D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.29M	Shielding Angle:

Table--2

UNIT: ×10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	4085	4085	4085	4085	4085														
5	4127	4134	4137	4126	4115														
10	4044	4051	4049	4022	3994														
15	3810	3820	3822	3783	3745														
20	3374	3395	3414	3379	3335														
25	2672	2699	2740	2714	2678														
30	1732	1746	1804	1799	1809														
35	851	858	898	902	921														
40	312	307	312	299	305														
45	107	109	108	107	111														
50	69.8	69.9	70.7	72.0	74.9														
55	62.2	62.4	63.2	64.3	65.9														
60	56.7	56.8	57.8	58.7	59.4														
65	47.8	48.2	49.0	48.9	49.5														
70	37.0	37.0	37.7	37.6	38.1														
75	26.0	25.9	26.5	26.7	27.1														
80	12.6	12.6	13.4	13.7	14.2														
85	0.97	1.00	1.23	1.29	1.63														
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:2018-10-19

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: