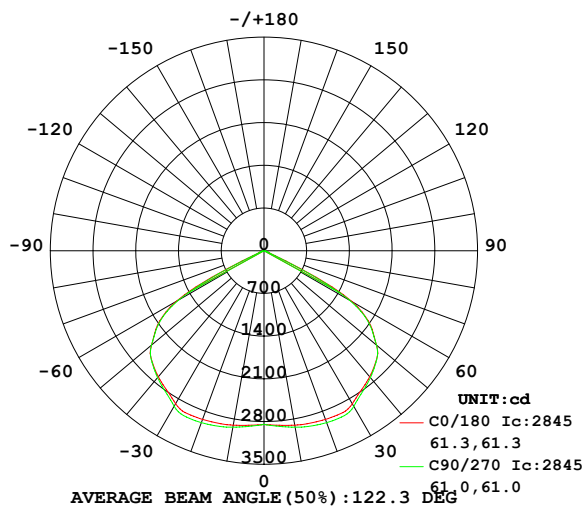


LUMINAIRE PHOTOMETRIC TEST REPORT

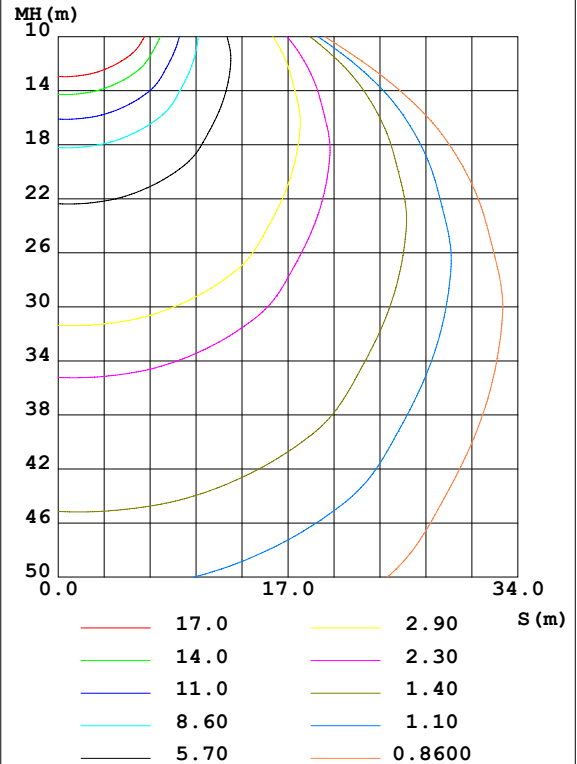
Test:U:220.8V I:0.2895A P:62.29W PF:0.9745 Freq:49.99Hz Lamp Flux:8808.06x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D	DIM.: 0.24*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.14M	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 141.40 lm/W			
MODEL	3030	I _{max} (cd)	3028	S/MH (C0/180)	1.49
NOMINAL POWER (W)	60	LOR (%)	100.0	S/MH (C90/270)	1.50
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	8808.1	η UP,DN (C0-180)	0.0,50.0
NOMINAL FLUX (lm)	8808.06	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: 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	2903	2943	2936	2943	2903	2943	2936	2943	0- 10	277.2	277.2	3.15,3.15
20	2941	3009	2998	3009	2941	3009	2998	3009	10- 20	842.4	1120	12.7,12.7
30	2896	2964	2944	2964	2896	2964	2944	2964	20- 30	1386	2506	28.4,28.4
40	2695	2743	2713	2743	2695	2743	2713	2743	30- 40	1776	4281	48.6,48.6
50	2409	2440	2407	2440	2409	2440	2407	2440	40- 50	2012	6293	71.5,71.5
60	1660	1652	1618	1652	1660	1652	1618	1652	50- 60	1876	8170	92.8,92.8
70	75.59	78.32	75.55	78.32	75.59	78.32	75.55	78.32	60- 70	585.6	8755	99.4,99.4
80	18.01	17.95	16.39	17.95	18.01	17.95	16.39	17.95	70- 80	46.71	8802	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	5.857	8808	100,100
100	0	0	0	0	0	0	0	0	90-100	0	8808	100,100
110	0	0	0	0	0	0	0	0	100-110	0	8808	100,100
120	0	0	0	0	0	0	0	0	110-120	0	8808	100,100
130	0	0	0	0	0	0	0	0	120-130	0	8808	100,100
140	0	0	0	0	0	0	0	0	130-140	0	8808	100,100
150	0	0	0	0	0	0	0	0	140-150	0	8808	100,100
160	0	0	0	0	0	0	0	0	150-160	0	8808	100,100
170	0	0	0	0	0	0	0	0	160-170	0	8808	100,100
180	0	0	0	0	0	0	0	0	170-180	0	8808	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 5270.4 lm

%lum = 59.8%

%lamp = 59.8%

Conical surface Flux(120deg): 8169.9 lm

%lum = 92.8%

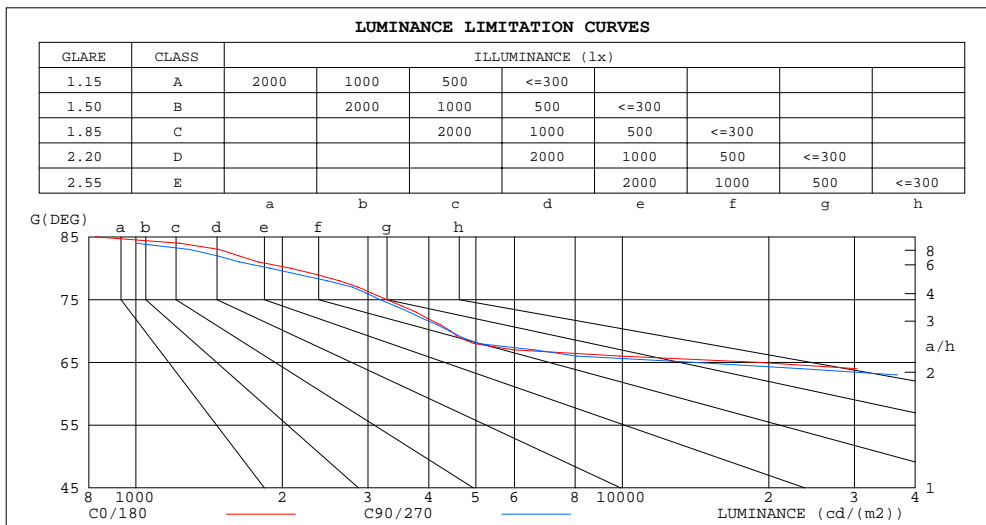
%lamp = 92.8%

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:0.2895A P:62.29W PF:0.9745 Freq:49.99Hz Lamp Flux:8808.06x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D	DIM.: 0.24*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.14M	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	823	576
80	2079	1886
75	3279	3174
70	4431	4412
65	18918	13944
60	66546	64640
55	74527	73762
50	75118	74806
45	73359	73250

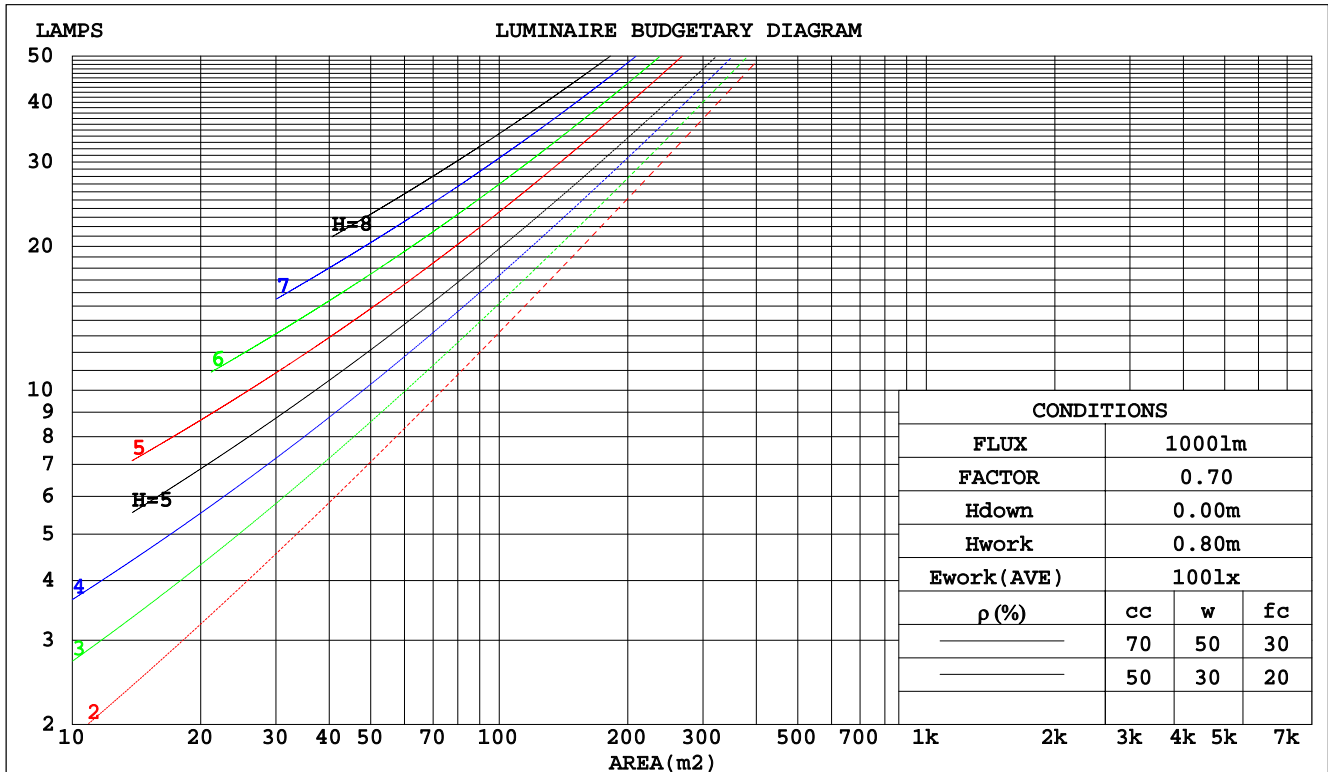
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-18

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:0.2895A P:62.29W PF:0.9745 Freq:49.99Hz Lamp Flux:8808.06x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D	DIM.: 0.24*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						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	1.07	1.03	1.00	1.05	1.01	.99	1.00	.98	.96	.97	.95	.93	.93	.91	.90	.88
2.0	.95	.89	.84	.93	.87	.83	.89	.85	.81	.86	.83	.79	.83	.80	.77	.75
3.0	.84	.77	.71	.82	.76	.70	.80	.74	.69	.77	.72	.68	.74	.70	.67	.65
4.0	.75	.66	.60	.73	.66	.60	.71	.64	.59	.69	.63	.58	.66	.62	.58	.56
5.0	.67	.58	.52	.66	.58	.52	.63	.56	.51	.62	.55	.51	.60	.54	.50	.48
6.0	.60	.51	.45	.59	.51	.45	.57	.50	.45	.55	.49	.44	.54	.48	.44	.42
7.0	.54	.46	.40	.53	.45	.40	.52	.45	.39	.50	.44	.39	.49	.43	.39	.37
8.0	.49	.41	.35	.48	.41	.35	.47	.40	.35	.46	.39	.35	.45	.39	.34	.33
9.0	.45	.37	.31	.44	.37	.31	.43	.36	.31	.42	.36	.31	.41	.35	.31	.29
10.0	.41	.33	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.28	.26



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:0.2895A P:62.29W PF:0.9745 Freq:49.99Hz Lamp Flux:8808.06x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D	DIM.: 0.24*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	.252	.143	.045	.245	.140	.044	.232	.133	.043	.220	.127	.041	.209	.121	.039		
2.0	.250	.137	.042	.244	.135	.041	.233	.130	.040	.223	.125	.039	.213	.120	.038		
3.0	.241	.128	.038	.235	.126	.038	.225	.122	.037	.216	.118	.036	.207	.115	.036		
4.0	.228	.119	.035	.224	.117	.035	.215	.114	.034	.206	.111	.033	.199	.108	.033		
5.0	.215	.110	.032	.211	.108	.032	.203	.106	.031	.196	.103	.031	.189	.101	.030		
6.0	.203	.102	.029	.199	.101	.029	.192	.098	.029	.185	.096	.028	.179	.094	.028		
7.0	.191	.094	.027	.188	.093	.027	.181	.092	.026	.175	.090	.026	.170	.088	.026		
8.0	.180	.088	.025	.177	.087	.025	.171	.085	.024	.166	.084	.024	.161	.083	.024		
9.0	.170	.082	.023	.167	.081	.023	.162	.080	.023	.157	.079	.023	.152	.077	.022		
10.0	.160	.077	.021	.158	.076	.021	.153	.075	.021	.149	.074	.021	.145	.073	.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	.176	.157	.139	.151	.134	.120	.103	.092	.083	.059	.054	.048	.019	.017	.016	
2.0	.167	.132	.103	.143	.114	.089	.098	.079	.062	.056	.046	.036	.018	.015	.012	
3.0	.159	.114	.078	.136	.098	.068	.093	.068	.048	.054	.040	.028	.017	.013	.009	
4.0	.152	.101	.061	.130	.087	.053	.090	.061	.038	.052	.035	.022	.017	.012	.007	
5.0	.145	.090	.049	.125	.078	.043	.086	.054	.030	.050	.032	.018	.016	.010	.006	
6.0	.139	.082	.041	.119	.071	.035	.082	.049	.025	.048	.029	.015	.015	.010	.005	
7.0	.132	.075	.034	.114	.065	.030	.079	.045	.021	.046	.027	.013	.015	.009	.004	
8.0	.127	.069	.029	.109	.060	.026	.075	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.121	.064	.026	.104	.056	.022	.072	.039	.016	.042	.023	.009	.014	.008	.003	
10.0	.116	.060	.023	.100	.052	.020	.069	.037	.014	.040	.022	.008	.013	.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:0.2895A P:62.29W PF:0.9745 Freq:49.99Hz Lamp Flux:8808.06x1 lm											
NAME: AOK oH					TYPE:LED			WEIGHT:2.9KG			
SPEC.:AOK-60WoH-3030-120D					DIM.: 0.24*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	2H	20.6	22.1	20.9	22.2	22.4	20.5	22.0	20.8	22.2	22.4
	3H	20.5	21.8	20.7	22.0	22.2	20.4	21.7	20.6	21.9	22.1
	4H	20.4	21.6	20.7	21.8	22.1	20.3	21.5	20.6	21.7	22.0
	6H	20.3	21.4	20.6	21.7	22.0	20.2	21.3	20.5	21.6	21.8
	8H	20.2	21.3	20.5	21.6	21.9	20.1	21.2	20.4	21.5	21.8
12H	20.2	21.2	20.5	21.5	21.8	20.1	21.1	20.4	21.4	21.7	
4H	2H	20.7	22.0	21.1	22.2	22.5	20.7	21.9	21.0	22.1	22.4
	3H	20.6	21.7	20.9	21.9	22.2	20.5	21.6	20.8	21.8	22.1
	4H	20.5	21.5	20.9	21.8	22.1	20.4	21.4	20.8	21.7	22.0
	6H	20.4	21.3	20.8	21.6	22.0	20.3	21.2	20.7	21.5	21.9
	8H	20.4	21.2	20.8	21.5	21.9	20.3	21.1	20.7	21.4	21.8
12H	20.3	21.0	20.8	21.4	21.8	20.2	20.9	20.7	21.3	21.7	
8H	4H	20.4	21.1	20.8	21.5	21.9	20.3	21.1	20.7	21.4	21.8
	6H	20.3	20.9	20.7	21.3	21.8	20.2	20.8	20.6	21.2	21.7
	8H	20.3	20.8	20.7	21.2	21.7	20.2	20.7	20.6	21.1	21.6
	12H	20.2	20.7	20.7	21.1	21.6	20.1	20.6	20.6	21.0	21.5
12H	4H	20.3	21.0	20.8	21.4	21.8	20.2	20.9	20.7	21.3	21.7
	6H	20.3	20.8	20.7	21.2	21.7	20.2	20.7	20.6	21.1	21.6
	8H	20.2	20.7	20.7	21.1	21.6	20.1	20.6	20.6	21.0	21.5
Variations with the observer position at spacings:											
S = 1.0H	+ 0.5 / - 0.4					+ 0.5 / - 0.4					
1.5H	+ 1.3 / - 2.1					+ 1.4 / - 2.1					
2.0H	+ 0.9 / - 3.7					+ 0.9 / - 4.2					

CIE Pub.117, 8808 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 7.6$)

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:0.2895A P:62.29W PF:0.9745 Freq:49.99Hz Lamp Flux:8808.06x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D	DIM.: 0.24*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.14M	Shielding Angle:

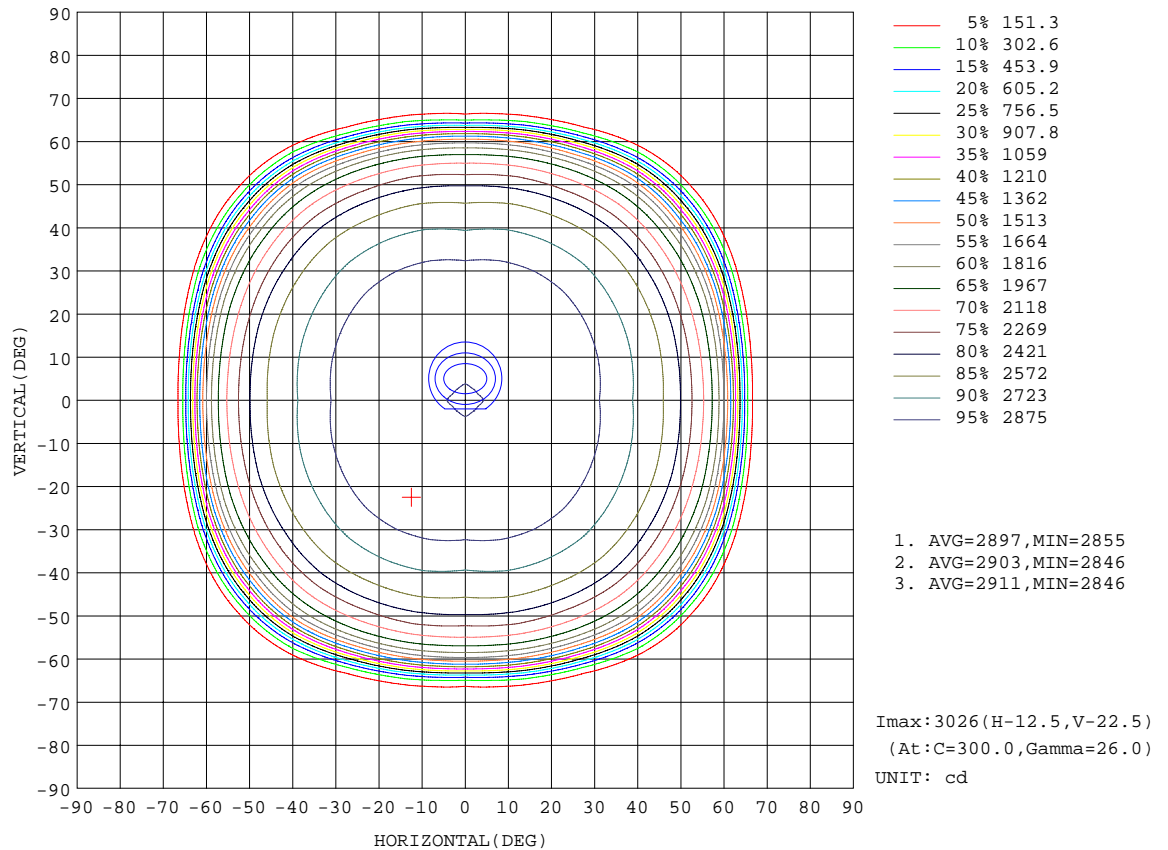
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	58	46	40	57	46	39	56	46	39	33
0.80	70	58	51	69	58	51	67	57	51	44
1.00	80	69	63	79	69	62	76	70	62	55
1.25	87	78	72	86	77	71	83	76	70	64
1.50	92	84	78	91	83	77	88	81	76	69
2.00	99	92	86	97	91	86	94	89	84	77
2.50	102	96	91	100	94	90	97	92	88	80
3.00	105	100	95	103	98	94	99	95	92	84
4.00	109	104	100	106	102	98	102	99	96	87
5.00	110	106	103	108	104	101	104	101	98	89
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:0.2895A P:62.29W PF:0.9745 Freq:49.99Hz Lamp Flux:8808.06x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D	DIM.: 0.24*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.14M	Shielding Angle:

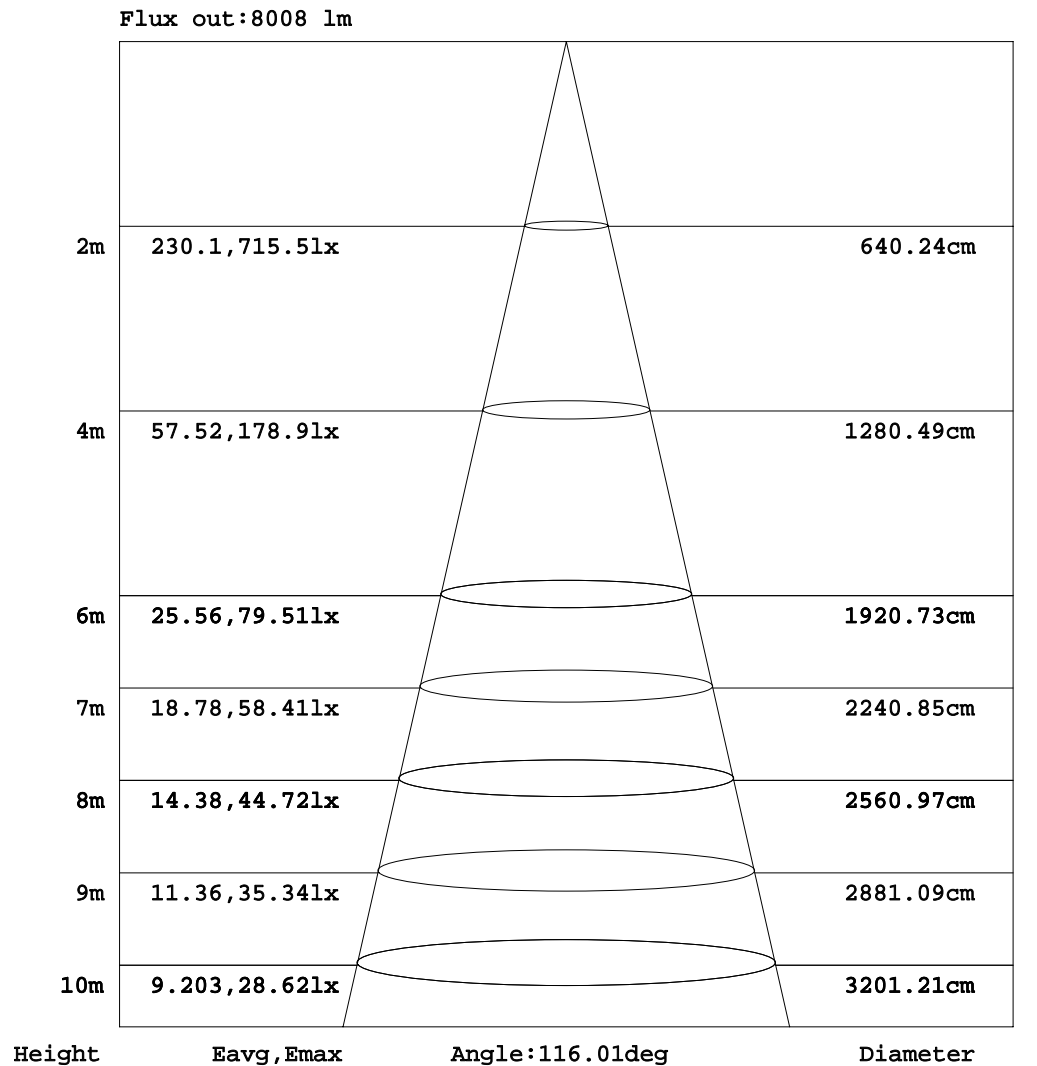


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-10-18

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:

AAI Figure

Test:U:220.8V I:0.2895A P:62.29W PF:0.9745 Freq:49.99Hz Lamp Flux:8808.06x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D	DIM.: 0.24*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.14M	Shielding Angle:



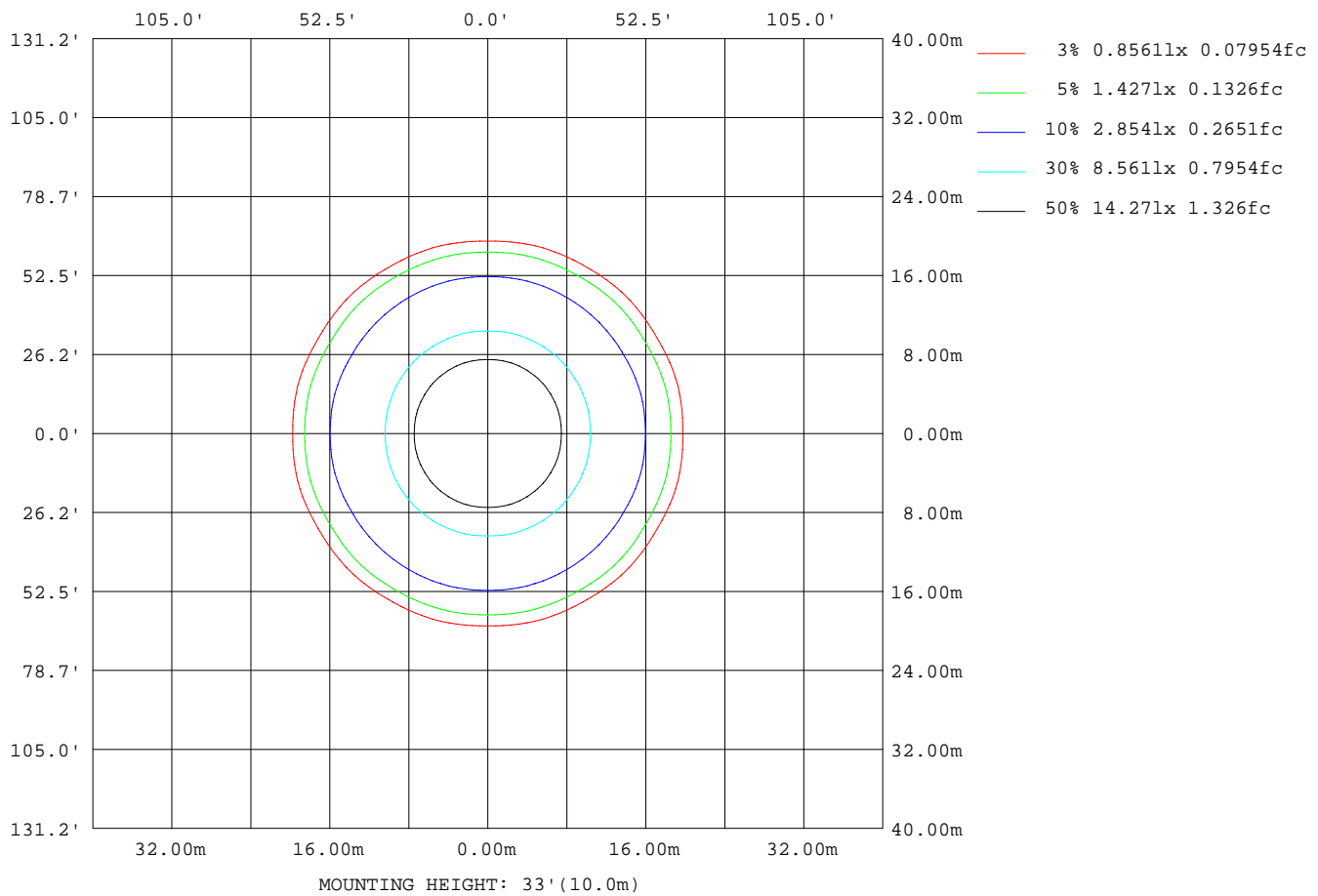
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 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:0.2895A P:62.29W PF:0.9745 Freq:49.99Hz Lamp Flux:8808.06x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D	DIM.: 0.24*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:0.2895A P:62.29W PF:0.9745 Freq:49.99Hz Lamp Flux:8808.06x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D	DIM.: 0.24*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.14M	Shielding Angle:

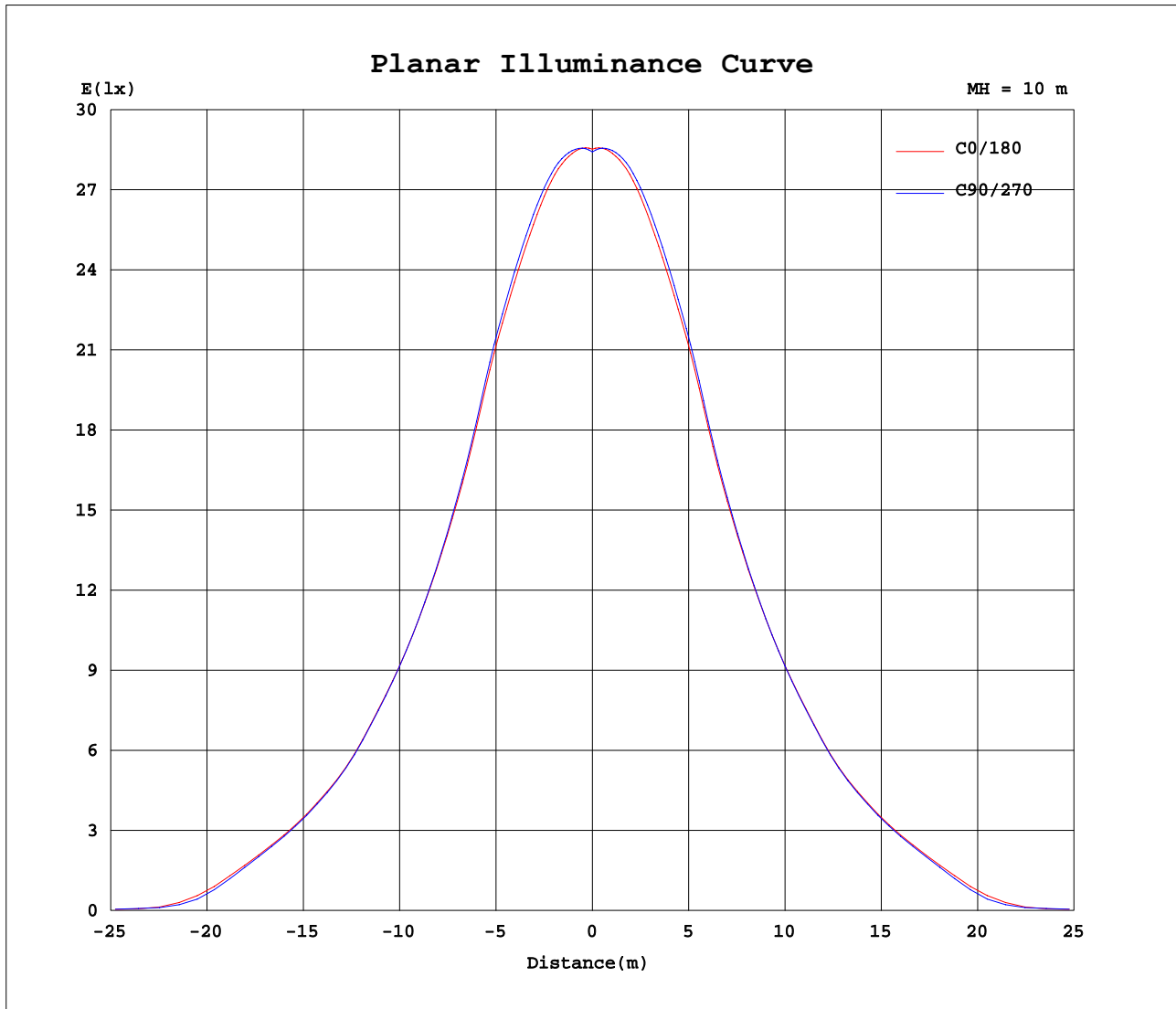
AvgL	cd/m2
L_0~180 (65) av	18873
L_0~180 (75) av	3271
L_0~180 (85) av	821
L_90~270 (65) av	13961
L_90~270 (75) av	3178
L_90~270 (85) av	577
L_45 (65) av	19199
L_45 (75) av	3339
L_45 (85) av	848

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:0.2895A P:62.29W PF:0.9745 Freq:49.99Hz Lamp Flux:8808.06x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D	DIM.: 0.24*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	2845	2845	2845	2845	2845	2845	2845	2845	2845	2845	2845	2845	2845	2845	2845	2845	2845	2845	2845
5	2871	2880	2888	2893	2895	2894	2888	2894	2895	2893	2888	2880	2871	2880	2888	2893	2895	2894	2888
10	2903	2918	2933	2943	2947	2946	2936	2946	2947	2943	2933	2918	2903	2918	2933	2943	2947	2946	2936
15	2926	2948	2968	2982	2988	2987	2974	2987	2988	2982	2968	2948	2926	2948	2968	2982	2988	2987	2974
20	2941	2968	2991	3009	3016	3014	2998	3014	3016	3009	2991	2968	2941	2968	2991	3009	3016	3014	2998
25	2950	2979	3003	3021	3027	3025	3007	3025	3027	3021	3003	2979	2950	2979	3003	3021	3027	3025	3007
30	2896	2926	2945	2964	2966	2966	2944	2966	2966	2964	2945	2926	2896	2926	2945	2964	2966	2966	2944
35	2784	2809	2826	2843	2845	2841	2819	2841	2845	2843	2826	2809	2784	2809	2826	2843	2845	2841	2819
40	2695	2715	2727	2743	2742	2738	2713	2738	2742	2743	2727	2715	2695	2715	2727	2743	2742	2738	2713
45	2588	2606	2613	2624	2619	2619	2593	2619	2619	2624	2613	2606	2588	2606	2613	2624	2619	2619	2593
50	2409	2428	2424	2440	2431	2428	2407	2428	2431	2440	2424	2428	2409	2428	2424	2440	2431	2428	2407
55	2132	2128	2119	2133	2128	2134	2118	2134	2128	2133	2119	2128	2132	2128	2119	2133	2128	2134	2118
60	1660	1669	1615	1652	1615	1633	1618	1633	1615	1652	1615	1669	1660	1669	1615	1652	1615	1633	1618
65	399	439	405	406	354	347	295	347	354	406	405	439	399	439	405	406	354	347	295
70	75.6	76.2	76.2	78.3	78.3	77.5	75.5	77.5	78.3	78.3	76.2	76.2	75.6	76.2	76.2	78.3	78.3	77.5	75.5
75	42.3	43.0	42.4	43.2	42.9	42.7	41.1	42.7	42.9	43.2	42.4	43.0	42.3	43.0	42.4	43.2	42.9	42.7	41.1
80	18.0	18.4	17.5	17.9	17.4	17.3	16.4	17.3	17.4	17.9	17.5	18.4	18.0	18.4	17.5	17.9	17.4	17.3	16.4
85	3.58	4.03	3.63	3.70	3.15	3.17	2.52	3.17	3.15	3.70	3.63	4.03	3.58	4.03	3.63	3.70	3.15	3.17	2.52
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:0.2895A P:62.29W PF:0.9745 Freq:49.99Hz Lamp Flux:8808.06x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D	DIM.: 0.24*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	2845	2845	2845	2845	2845														
5	2894	2895	2893	2888	2880														
10	2946	2947	2943	2933	2918														
15	2987	2988	2982	2968	2948														
20	3014	3016	3009	2991	2968														
25	3025	3027	3021	3003	2979														
30	2966	2966	2964	2945	2926														
35	2841	2845	2843	2826	2809														
40	2738	2742	2743	2727	2715														
45	2619	2619	2624	2613	2606														
50	2428	2431	2440	2424	2428														
55	2134	2128	2133	2119	2128														
60	1633	1615	1652	1615	1669														
65	347	354	406	405	439														
70	77.5	78.3	78.3	76.2	76.2														
75	42.7	42.9	43.2	42.4	43.0														
80	17.3	17.4	17.9	17.5	18.4														
85	3.17	3.15	3.70	3.63	4.03														
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: