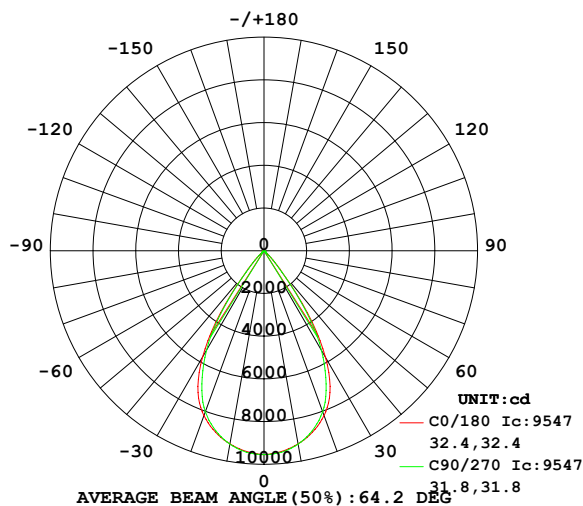


LUMINAIRE PHOTOMETRIC TEST REPORT

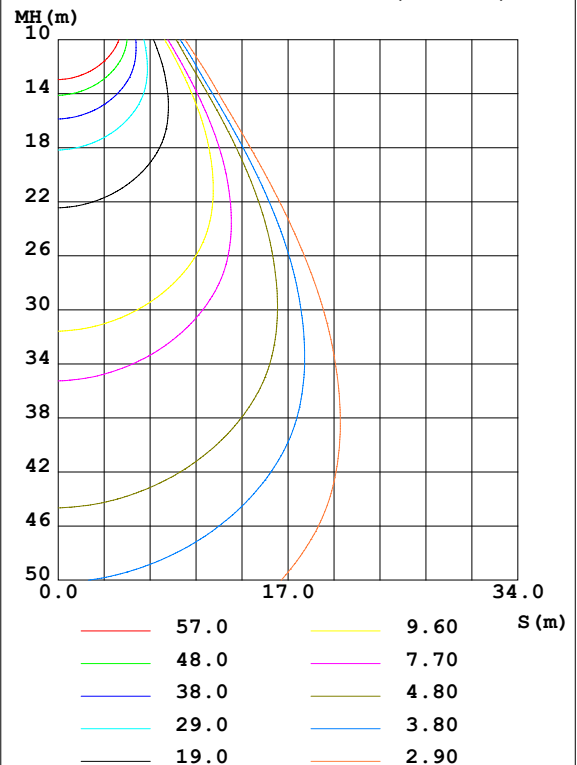
Test:U:220.8V I:0.2894A P:62.25W PF:0.9743 Freq:49.99Hz Lamp Flux:9233.24x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-60D	DIM.: 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.14M	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 148.32 lm/W			
MODEL	3030	I _{max} (cd)	9547	S/MH (C0/180)	0.95
NOMINAL POWER (W)	60	LOR (%)	100.0	S/MH (C90/270)	0.94
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	9233.2	η UP, DN (C0-180)	0.0, 50.0
NOMINAL FLUX (lm)	9233.24	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 50.0
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	1.00

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	9181	9115	9194	9115	9181	9115	9194	9115	0- 10	890.7	890.7	9.65,9.65
20	8218	7977	8029	7977	8218	7977	8029	7977	10- 20	2436	3327	36,36
30	5757	5448	5393	5448	5757	5448	5393	5448	20- 30	3163	6490	70.3,70.3
40	1344	1406	1313	1406	1344	1406	1313	1406	30- 40	2105	8595	93.1,93.1
50	143.8	148.9	139.8	148.9	143.8	148.9	139.8	148.9	40- 50	431.6	9026	97.8,97.8
60	96.38	90.29	90.23	90.29	96.38	90.29	90.23	90.29	50- 60	96.01	9122	98.8,98.8
70	58.95	57.98	52.19	57.98	58.95	57.98	52.19	57.98	60- 70	74.89	9197	99.6,99.6
80	10.88	9.624	8.544	9.624	10.88	9.624	8.544	9.624	70- 80	33.33	9231	100,100
90	0	0	0	0	0	0	0	0	80- 90	2.717	9233	100,100
100	0	0	0	0	0	0	0	0	90-100	0	9233	100,100
110	0	0	0	0	0	0	0	0	100-110	0	9233	100,100
120	0	0	0	0	0	0	0	0	110-120	0	9233	100,100
130	0	0	0	0	0	0	0	0	120-130	0	9233	100,100
140	0	0	0	0	0	0	0	0	130-140	0	9233	100,100
150	0	0	0	0	0	0	0	0	140-150	0	9233	100,100
160	0	0	0	0	0	0	0	0	150-160	0	9233	100,100
170	0	0	0	0	0	0	0	0	160-170	0	9233	100,100
180	0	0	0	0	0	0	0	0	170-180	0	9233	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 8920.6 lm

%lum = 96.6%

%lamp = 96.6%

Conical surface Flux(120deg): 9122.3 lm

%lum = 98.8%

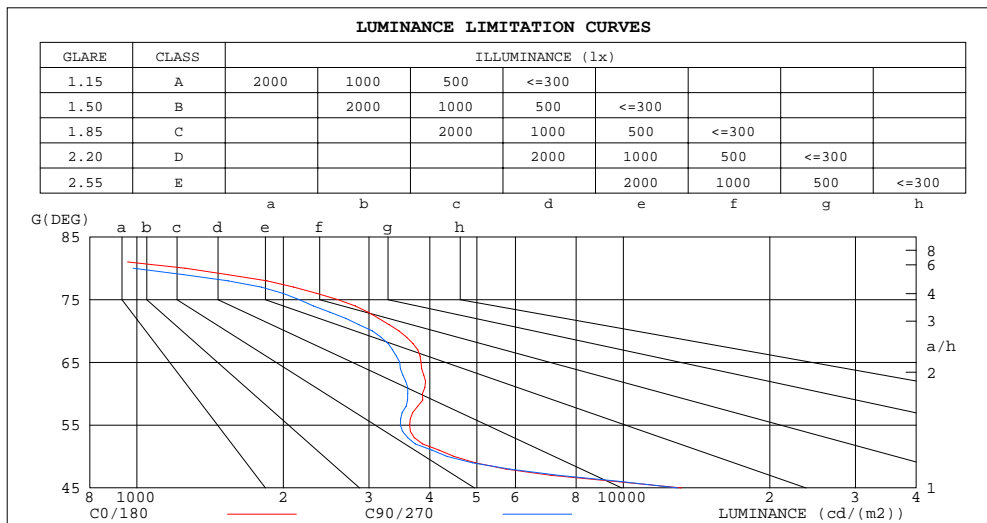
%lamp = 98.8%

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:0.2894A P:62.25W PF:0.9743 Freq:49.99Hz Lamp Flux:9233.24x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-60D	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	359	270
80	1256	983
75	2586	2154
70	3456	3048
65	3838	3469
60	3866	3604
55	3638	3482
50	4487	4343
45	13171	12942

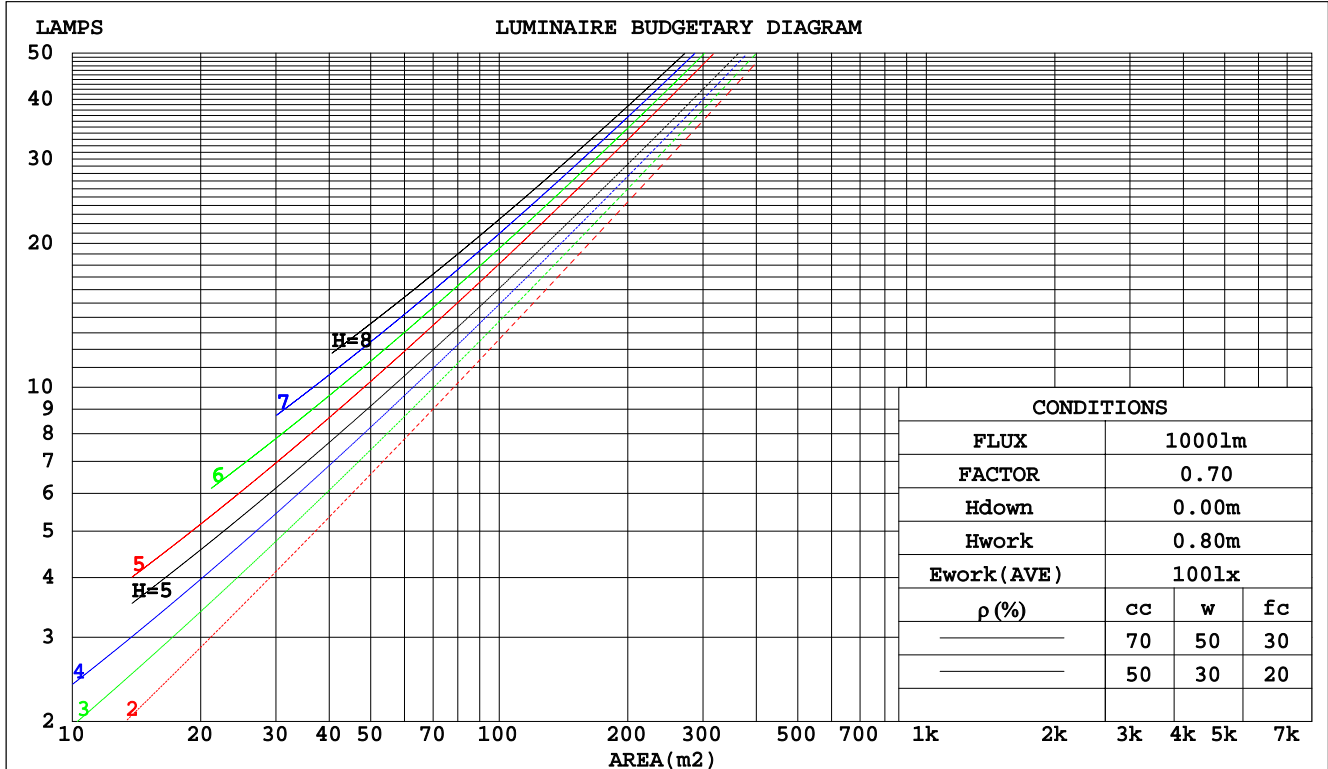
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-18

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:0.2894A P:62.25W PF:0.9743 Freq:49.99Hz Lamp Flux:9233.24x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-60D	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			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	.95	1.01	.97	.94	.98	.95	.92	.95	.92	.90	.92	.90	.88	.87
3.0	.96	.91	.87	.94	.90	.86	.92	.88	.84	.89	.86	.83	.87	.84	.82	.80
4.0	.89	.84	.79	.88	.83	.79	.86	.81	.78	.84	.80	.77	.82	.79	.76	.75
5.0	.83	.78	.73	.82	.77	.73	.81	.76	.72	.79	.75	.72	.77	.74	.71	.69
6.0	.78	.72	.68	.77	.72	.68	.76	.71	.67	.74	.70	.67	.73	.69	.66	.65
7.0	.73	.67	.63	.73	.67	.63	.71	.66	.63	.70	.66	.62	.69	.65	.62	.60
8.0	.69	.63	.59	.69	.63	.59	.67	.62	.58	.66	.62	.58	.65	.61	.58	.57
9.0	.65	.59	.55	.65	.59	.55	.64	.58	.55	.63	.58	.55	.62	.58	.54	.53
10.0	.62	.56	.52	.61	.55	.52	.60	.55	.51	.59	.55	.51	.59	.54	.51	.50



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:0.2894A P:62.25W PF:0.9743 Freq:49.99Hz Lamp Flux:9233.24x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-60D	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	.181	.103	.033	.175	.100	.032	.162	.093	.030	.150	.087	.028	.140	.081	.026	
2.0	.174	.095	.029	.168	.093	.029	.158	.088	.027	.148	.083	.026	.139	.078	.025	
3.0	.166	.088	.026	.161	.086	.026	.152	.082	.025	.143	.079	.024	.136	.075	.023	
4.0	.158	.082	.024	.154	.080	.024	.146	.077	.023	.139	.074	.022	.132	.072	.022	
5.0	.150	.077	.022	.147	.075	.022	.140	.073	.021	.134	.070	.021	.128	.068	.020	
6.0	.144	.072	.021	.140	.071	.020	.134	.069	.020	.129	.067	.020	.123	.065	.019	
7.0	.137	.068	.019	.135	.067	.019	.129	.065	.019	.124	.064	.019	.119	.062	.018	
8.0	.131	.064	.018	.129	.063	.018	.124	.062	.018	.120	.061	.017	.115	.059	.017	
9.0	.126	.061	.017	.124	.060	.017	.119	.059	.017	.115	.058	.017	.112	.057	.016	
10.0	.121	.058	.016	.119	.057	.016	.115	.056	.016	.111	.055	.016	.108	.054	.016	

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	.157	.132	.112	.134	.114	.097	.092	.079	.068	.053	.046	.040	.017	.015	.013		
3.0	.144	.114	.089	.124	.098	.077	.085	.068	.054	.049	.040	.032	.016	.013	.010		
4.0	.134	.099	.072	.115	.086	.062	.079	.060	.044	.046	.035	.026	.015	.011	.009		
5.0	.126	.087	.059	.108	.076	.051	.074	.053	.036	.043	.031	.022	.014	.010	.007		
6.0	.119	.078	.049	.102	.068	.043	.070	.047	.030	.041	.028	.018	.013	.009	.006		
7.0	.112	.071	.042	.097	.061	.036	.067	.043	.026	.039	.025	.015	.013	.008	.005		
8.0	.107	.065	.036	.092	.056	.031	.063	.039	.022	.037	.023	.013	.012	.008	.004		
9.0	.102	.059	.031	.088	.052	.027	.061	.036	.019	.035	.021	.011	.011	.007	.004		
10.0	.097	.055	.027	.084	.048	.024	.058	.034	.017	.034	.020	.010	.011	.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:0.2894A P:62.25W PF:0.9743 Freq:49.99Hz Lamp Flux:9233.24x1 lm											
NAME: AOK oH					TYPE:LED			WEIGHT:2.9KG			
SPEC.:AOK-60WoH-3030-60D					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	11.5	12.5	11.8	12.7	12.8	11.2	12.2	11.5	12.4	12.6	
	3H	11.5	12.3	11.7	12.5	12.7	11.2	12.1	11.4	12.3	12.5
	4H	11.4	12.2	11.7	12.5	12.7	11.1	11.9	11.4	12.2	12.4
	6H	11.3	12.1	11.6	12.4	12.6	11.0	11.8	11.3	12.1	12.3
	8H	11.3	12.0	11.6	12.3	12.6	11.0	11.7	11.3	12.0	12.3
	12H	11.2	12.0	11.6	12.2	12.5	10.9	11.7	11.3	11.9	12.2
4H	2H	11.3	12.2	11.6	12.4	12.6	11.0	11.9	11.3	12.1	12.3
	3H	11.3	12.0	11.6	12.3	12.5	11.0	11.7	11.3	12.0	12.3
	4H	11.2	11.9	11.6	12.2	12.5	10.9	11.6	11.3	11.9	12.2
	6H	11.2	11.7	11.5	12.1	12.4	10.9	11.4	11.2	11.8	12.1
	8H	11.1	11.6	11.5	12.0	12.4	10.8	11.3	11.2	11.7	12.1
	12H	11.1	11.5	11.5	11.9	12.3	10.8	11.2	11.2	11.6	12.0
8H	4H	11.1	11.6	11.5	12.0	12.4	10.8	11.4	11.2	11.7	12.1
	6H	11.0	11.5	11.5	11.9	12.3	10.7	11.2	11.2	11.6	12.0
	8H	11.0	11.4	11.4	11.8	12.2	10.7	11.1	11.1	11.5	11.9
	12H	10.9	11.3	11.4	11.7	12.2	10.6	11.0	11.1	11.4	11.9
12H	4H	11.1	11.5	11.5	11.9	12.3	10.8	11.3	11.2	11.6	12.0
	6H	11.0	11.4	11.4	11.8	12.2	10.7	11.1	11.1	11.5	11.9
	8H	10.9	11.3	11.4	11.7	12.2	10.6	11.0	11.1	11.4	11.9
Variations with the observer position at spacings:											
S = 1.0H	+ 3.5 / - 6.8					+ 3.5 / - 7.0					
1.5H	+ 6.0 / - 6.7					+ 5.9 / - 6.9					
2.0H	+ 4.5 / - 1.4					+ 4.6 / - 1.5					

CIE Pub.117, 9233 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 7.7$)

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:0.2894A P:62.25W PF:0.9743 Freq:49.99Hz Lamp Flux:9233.24x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-60D	DIM.: 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.14M	Shielding Angle:

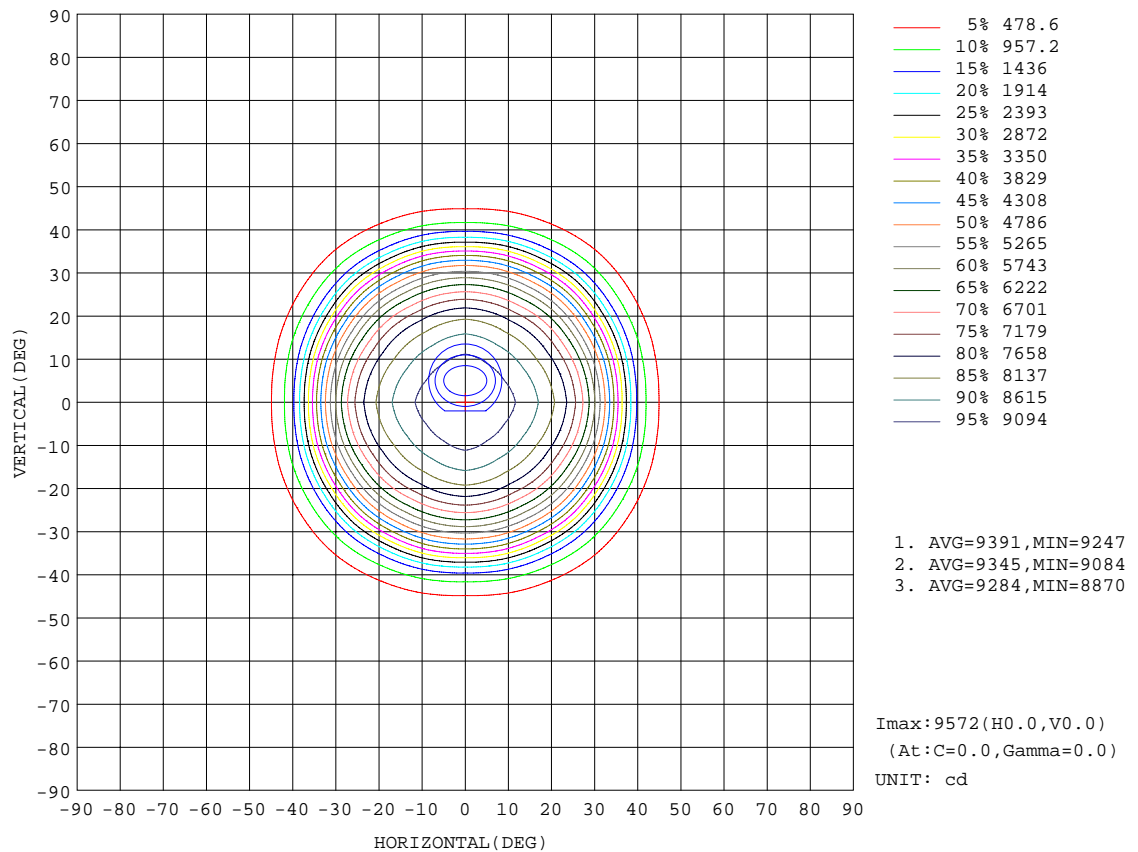
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	87	81	77	87	81	77	86	80	77	73
0.80	95	89	85	94	89	85	93	88	85	81
1.00	99	94	90	98	93	90	97	93	89	85
1.25	103	98	94	102	97	94	100	96	93	89
1.50	106	101	98	105	100	97	102	99	96	92
2.00	109	104	101	107	103	100	104	101	99	94
2.50	110	106	103	109	105	103	106	103	101	95
3.00	112	108	106	110	107	105	107	104	102	96
4.00	114	111	109	112	109	107	108	106	105	98
5.00	115	113	111	113	111	109	109	108	106	99
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:0.2894A P:62.25W PF:0.9743 Freq:49.99Hz Lamp Flux:9233.24x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-60D	DIM.: 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.14M	Shielding Angle:



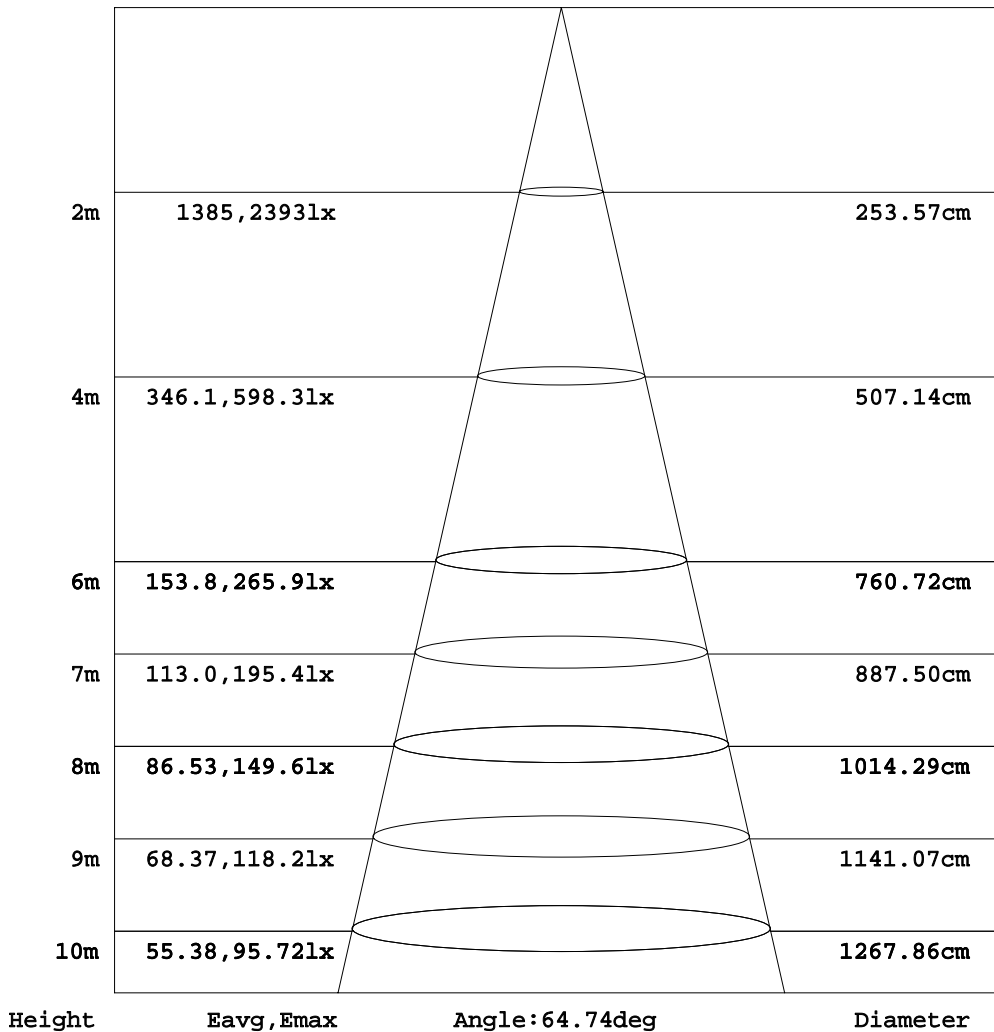
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-18

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:

AAI Figure

Test:U:220.8V I:0.2894A P:62.25W PF:0.9743 Freq:49.99Hz Lamp Flux:9233.24x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-60D	DIM.: 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.14M	Shielding Angle:

Flux out:7337 lm



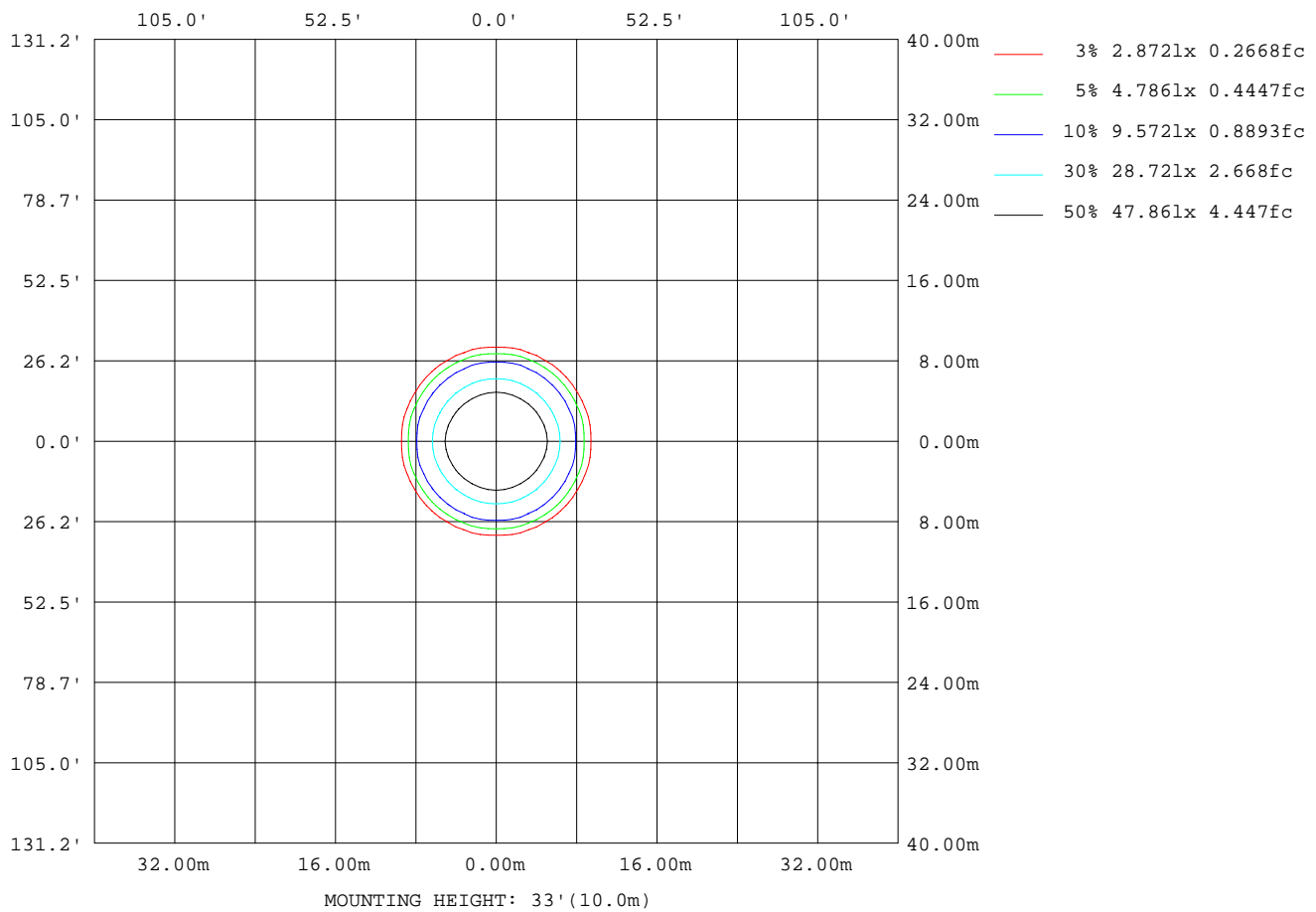
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2894A P:62.25W PF:0.9743 Freq:49.99Hz Lamp Flux:9233.24x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-60D	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:

LED Avg.L Report

Test:U:220.8V I:0.2894A P:62.25W PF:0.9743 Freq:49.99Hz Lamp Flux:9233.24x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-60D	DIM.: 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.14M	Shielding Angle:

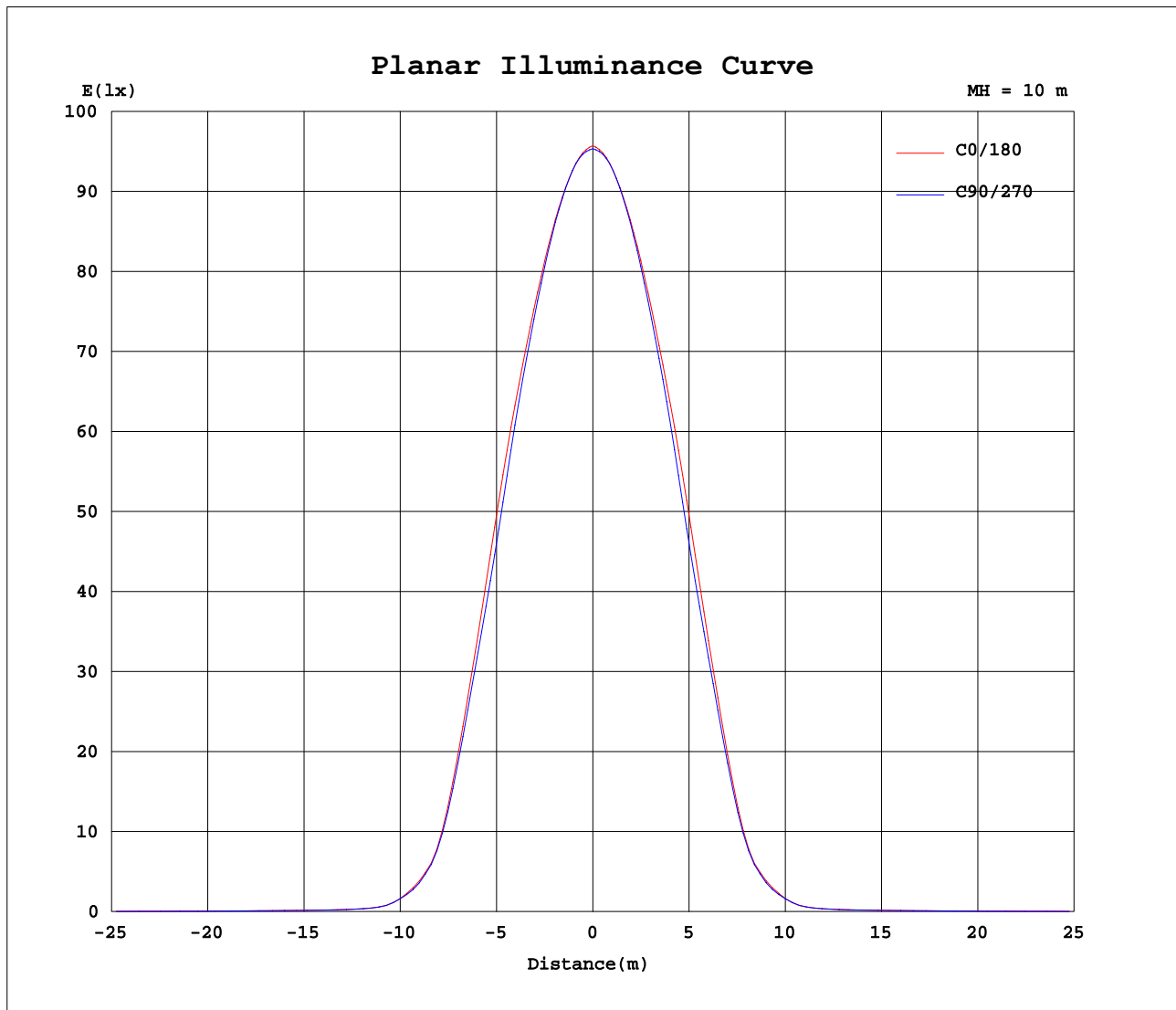
AvgL	cd/m2
L_0~180 (65) av	3828
L_0~180 (75) av	2579
L_0~180 (85) av	358
L_90~270 (65) av	3474
L_90~270 (75) av	2157
L_90~270 (85) av	271
L_45 (65) av	3657
L_45 (75) av	2494
L_45 (85) av	343

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:0.2894A P:62.25W PF:0.9743 Freq:49.99Hz Lamp Flux:9233.24x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-60D	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	9547	9547	9547	9547	9547	9547	9547	9547	9547	9547	9547	9547	9547	9547	9547	9547	9547	9547	9547
5	9433	9423	9413	9419	9426	9449	9469	9449	9426	9419	9413	9423	9433	9423	9413	9419	9426	9449	9469
10	9181	9148	9115	9115	9121	9158	9194	9158	9121	9115	9115	9148	9181	9148	9115	9115	9121	9158	9194
15	8788	8734	8671	8657	8639	8682	8728	8682	8639	8657	8671	8734	8788	8734	8671	8657	8639	8682	8728
20	8218	8128	8023	7977	7936	7974	8029	7974	7936	7977	8023	8128	8218	8128	8023	7977	7936	7974	8029
25	7316	7190	7025	6943	6837	6856	6882	6856	6837	6943	7025	7190	7316	7190	7025	6943	6837	6856	6882
30	5757	5658	5493	5448	5360	5389	5393	5389	5360	5448	5493	5658	5757	5658	5493	5448	5360	5389	5393
35	3559	3574	3469	3478	3393	3433	3382	3433	3393	3478	3469	3574	3559	3574	3469	3478	3393	3433	3382
40	1344	1403	1379	1406	1365	1374	1313	1374	1365	1406	1379	1403	1344	1403	1379	1406	1365	1374	1313
45	464	492	475	495	489	497	458	497	489	495	475	492	464	492	475	495	489	497	458
50	144	150	149	149	144	143	140	143	144	149	149	150	144	150	149	149	144	143	140
55	104	104	105	103	100	99.0	100.0	99.0	100	103	105	104	104	104	105	103	100	99.0	100.0
60	96.4	93.6	91.9	90.3	88.6	88.4	90.2	88.4	88.6	90.3	91.9	93.6	96.4	93.6	91.9	90.3	88.6	88.4	90.2
65	80.9	77.9	77.0	77.3	76.3	73.5	73.4	73.5	76.3	77.3	77.0	77.9	80.9	77.9	77.0	77.3	76.3	73.5	73.4
70	58.9	57.1	56.8	58.0	55.6	54.1	52.2	54.1	55.6	58.0	56.8	57.1	58.9	57.1	56.8	58.0	55.6	54.1	52.2
75	33.4	33.5	30.9	32.3	30.3	29.6	27.9	29.6	30.3	32.3	30.9	33.5	33.4	33.5	30.9	32.3	30.3	29.6	27.9
80	10.9	11.0	9.95	9.62	9.01	8.63	8.54	8.63	9.01	9.62	9.95	11.0	10.9	11.0	9.95	9.62	9.01	8.63	8.54
85	1.56	1.64	1.49	1.49	1.38	1.39	1.18	1.39	1.38	1.49	1.49	1.64	1.56	1.64	1.49	1.49	1.38	1.39	1.18
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:0.2894A P:62.25W PF:0.9743 Freq:49.99Hz Lamp Flux:9233.24x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-60D	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	9547	9547	9547	9547	9547														
5	9449	9426	9419	9413	9423														
10	9158	9121	9115	9115	9148														
15	8682	8639	8657	8671	8734														
20	7974	7936	7977	8023	8128														
25	6856	6837	6943	7025	7190														
30	5389	5360	5448	5493	5658														
35	3433	3393	3478	3469	3574														
40	1374	1365	1406	1379	1403														
45	497	489	495	475	492														
50	143	144	149	149	150														
55	99.0	100	103	105	104														
60	88.4	88.6	90.3	91.9	93.6														
65	73.5	76.3	77.3	77.0	77.9														
70	54.1	55.6	58.0	56.8	57.1														
75	29.6	30.3	32.3	30.9	33.5														
80	8.63	9.01	9.62	9.95	11.0														
85	1.39	1.38	1.49	1.49	1.64														
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: