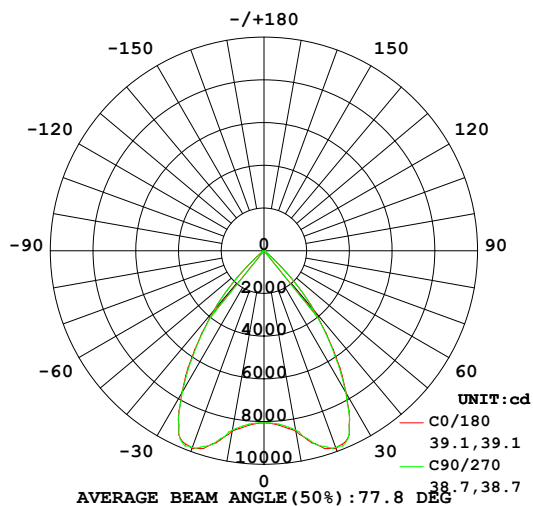


LUMINAIRE PHOTOMETRIC TEST REPORT

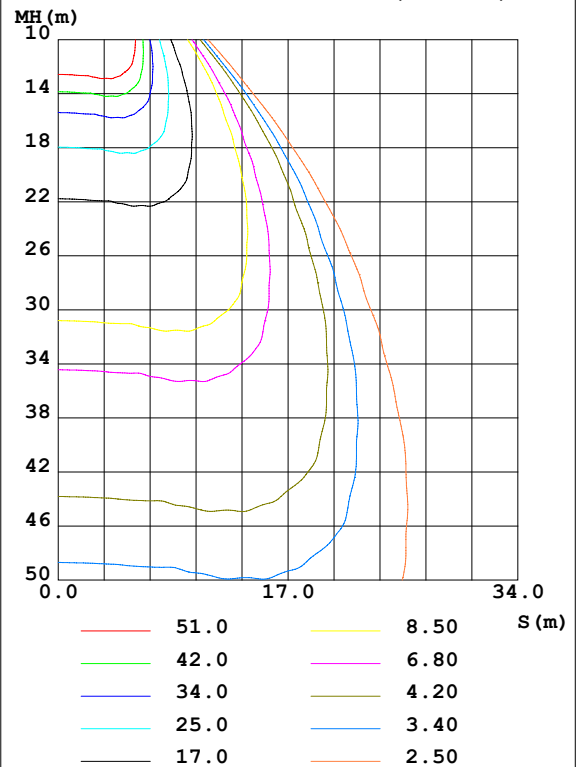
Test:U:220.1V I:0.4901A P:101.1W PF:0.9849 Freq:49.99Hz Lamp Flux:12663.9x1 lm					
NAME: AOK-oH		TYPE:LED		WEIGHT:2.9KG	
SPEC.:AOK-100Woh-3030-90D-PC		DIM.: $\phi 0.248 \times 0.138\text{M}$		SERIAL No.:1	
MFR.: AOK		SUR.: $\phi 0.16\text{M}$		Shielding Angle:	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.26 lm/W			
MODEL	3030	I _{max} (cd)	9884	S/MH (C0/180)	1.12
NOMINAL POWER (W)	100	LOR (%)	100.0	S/MH (C90/270)	1.12
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	12664	η UP,DN (C0-180)	0.0,50.0
NOMINAL FLUX (lm)	12663.9	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	1.10

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:2018-01-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [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	8571	8560	8520	8560	8571	8560	8520	8560	0- 10	793.2	793.2	6.26,6.26
20	9857	9862	9803	9862	9857	9862	9803	9862	10- 20	2658	3452	27.3,27.3
30	7721	7553	7662	7553	7721	7553	7662	7553	20- 30	4197	7649	60.4,60.4
40	3659	3345	3531	3345	3659	3345	3531	3345	30- 40	3386	11036	87.1,87.1
50	425.1	421.9	467.4	421.9	425.1	421.9	467.4	421.9	40- 50	1310	12346	97.5,97.5
60	93.60	96.83	100.5	96.83	93.60	96.83	100.5	96.83	50- 60	160.8	12507	98.8,98.8
70	64.18	63.43	65.60	63.43	64.18	63.43	65.60	63.43	60- 70	78.45	12585	99.4,99.4
80	35.69	35.12	36.61	35.12	35.69	35.12	36.61	35.12	70- 80	53.00	12638	99.8,99.8
90	0	0	0	0	0	0	0	0	80- 90	25.89	12664	100,100
100	0	0	0	0	0	0	0	0	90-100	0	12664	100,100
110	0	0	0	0	0	0	0	0	100-110	0	12664	100,100
120	0	0	0	0	0	0	0	0	110-120	0	12664	100,100
130	0	0	0	0	0	0	0	0	120-130	0	12664	100,100
140	0	0	0	0	0	0	0	0	130-140	0	12664	100,100
150	0	0	0	0	0	0	0	0	140-150	0	12664	100,100
160	0	0	0	0	0	0	0	0	150-160	0	12664	100,100
170	0	0	0	0	0	0	0	0	160-170	0	12664	100,100
180	0	0	0	0	0	0	0	0	170-180	0	12664	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 11967 lm

%lum = 94.5%

%lamp = 94.5%

Conical surface Flux(120deg): 12507 lm

%lum = 98.8%

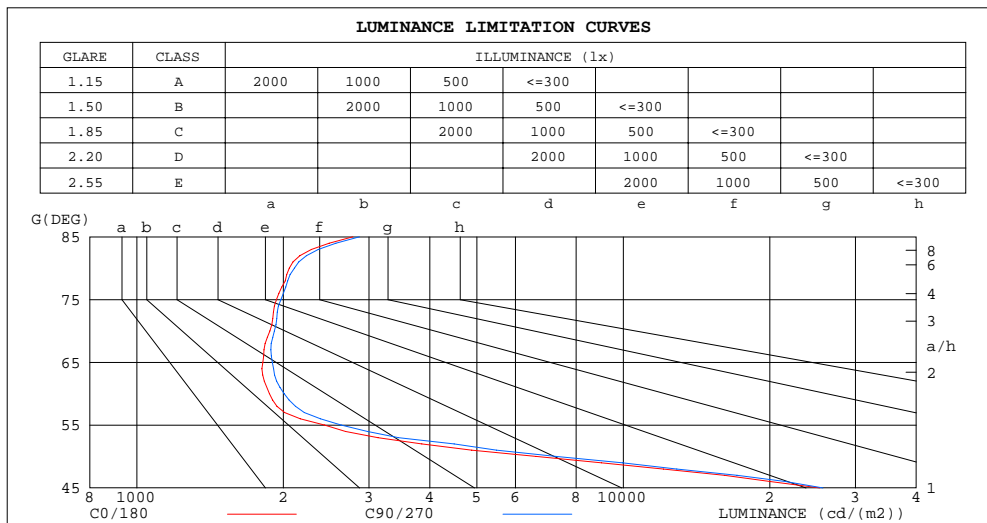
%lamp = 98.8%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.633m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.1V I:0.4901A P:101.1W PF:0.9849 Freq:49.99Hz Lamp Flux:12663.9x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-3030-90D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2780	2867
80	2057	2108
75	1937	1977
70	1877	1917
65	1815	1899
60	1873	2008
55	2431	2629
50	6617	7268
45	25360	25734

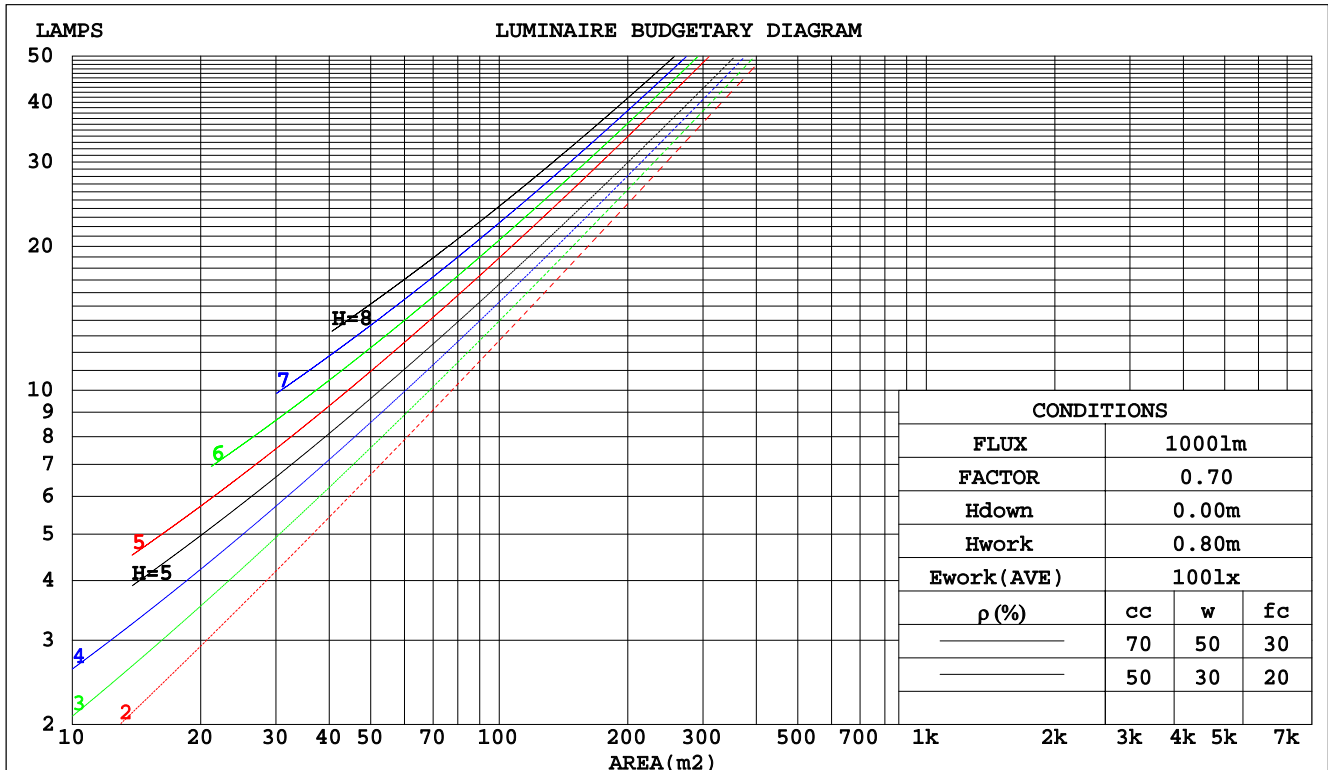
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.1V I:0.4901A P:101.1W PF:0.9849 Freq:49.99Hz Lamp Flux:12663.9x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-90D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	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	1.10	1.07	1.05	1.08	1.05	1.03	1.04	1.02	.00	.00	.98	.97	.96	.95	.94	.92
2.0	1.01	.97	.93	.90	.96	.92	.96	.93	.90	.93	.91	.88	.91	.88	.86	.85
3.0	.94	.88	.84	.92	.87	.83	.90	.85	.82	.87	.83	.81	.85	.82	.79	.78
4.0	.87	.81	.76	.85	.80	.75	.83	.78	.75	.81	.77	.74	.79	.76	.73	.71
5.0	.80	.74	.69	.79	.73	.69	.77	.72	.68	.76	.71	.68	.74	.70	.67	.65
6.0	.75	.68	.63	.74	.68	.63	.72	.67	.63	.71	.66	.62	.69	.65	.62	.60
7.0	.69	.63	.58	.69	.62	.58	.67	.62	.58	.66	.61	.57	.65	.60	.57	.56
8.0	.65	.58	.54	.64	.58	.54	.63	.57	.53	.62	.57	.53	.61	.56	.53	.51
9.0	.60	.54	.50	.60	.54	.50	.59	.53	.49	.58	.53	.49	.57	.52	.49	.48
10.0	.57	.50	.46	.56	.50	.46	.55	.50	.46	.55	.49	.46	.54	.49	.46	.44



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.633m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:220.1V I:0.4901A P:101.1W PF:0.9849 Freq:49.99Hz Lamp Flux:12663.9x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-90D-PC	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	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	.194	.110	.035	.187	.107	.034	.175	.100	.032	.163	.094	.030	.152	.088	.028	
2.0	.187	.102	.031	.181	.100	.031	.170	.095	.029	.161	.090	.028	.151	.086	.027	
3.0	.179	.095	.028	.174	.093	.028	.164	.089	.027	.156	.085	.026	.148	.082	.025	
4.0	.170	.089	.026	.166	.087	.026	.158	.084	.025	.151	.081	.024	.144	.078	.024	
5.0	.163	.083	.024	.159	.082	.024	.152	.079	.023	.145	.077	.023	.139	.074	.022	
6.0	.155	.078	.022	.152	.077	.022	.146	.075	.022	.140	.073	.021	.134	.071	.021	
7.0	.148	.073	.021	.146	.073	.021	.140	.071	.020	.135	.069	.020	.130	.067	.020	
8.0	.142	.069	.020	.139	.069	.019	.134	.067	.019	.130	.066	.019	.125	.064	.019	
9.0	.136	.066	.018	.134	.065	.018	.129	.064	.018	.125	.063	.018	.121	.061	.018	
10.0	.130	.062	.017	.128	.062	.017	.124	.061	.017	.120	.060	.017	.117	.059	.017	

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	.172	.157	.144	.147	.135	.124	.101	.093	.085	.058	.054	.050	.019	.017	.016	
2.0	.158	.132	.111	.136	.114	.096	.093	.079	.067	.054	.046	.039	.017	.015	.013	
3.0	.147	.114	.087	.126	.098	.076	.086	.068	.053	.050	.040	.031	.016	.013	.010	
4.0	.137	.099	.070	.118	.086	.061	.081	.060	.043	.047	.035	.025	.015	.011	.008	
5.0	.129	.088	.057	.111	.076	.050	.077	.053	.035	.044	.031	.021	.014	.010	.007	
6.0	.123	.079	.048	.105	.068	.041	.073	.048	.029	.042	.028	.017	.014	.009	.006	
7.0	.116	.072	.040	.100	.062	.035	.069	.043	.025	.040	.026	.015	.013	.008	.005	
8.0	.111	.065	.034	.096	.057	.030	.066	.040	.021	.038	.024	.013	.012	.008	.004	
9.0	.106	.060	.030	.091	.052	.026	.063	.037	.018	.037	.022	.011	.012	.007	.004	
10.0	.102	.056	.026	.088	.049	.023	.061	.034	.016	.035	.020	.010	.011	.007	.003	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.1V I:0.4901A P:101.1W PF:0.9849 Freq:49.99Hz Lamp Flux:12663.9x1 lm										
NAME: AOK-oH					TYPE:LED			WEIGHT:2.9KG		
SPEC.:AOK-100WoH-3030-90D-PC					DIM.: ϕ 0.248*0.138M			SERIAL No.:1		
MFR.: AOK					SUR.: ϕ 0.16M			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	11.1	12.1	11.3	12.3	12.5	10.8	11.9	11.1	12.1	12.2
3H	10.9	11.9	11.2	12.1	12.3	10.7	11.7	11.0	11.9	12.1
4H	10.8	11.8	11.1	12.0	12.2	10.6	11.5	10.9	11.8	12.0
6H	10.8	11.6	11.1	11.9	12.1	10.6	11.4	10.9	11.7	11.9
8H	10.7	11.6	11.1	11.8	12.1	10.5	11.4	10.8	11.6	11.9
12H	10.7	11.5	11.0	11.8	12.1	10.5	11.3	10.8	11.6	11.8
4H 2H	10.8	11.7	11.1	11.9	12.2	10.6	11.5	10.9	11.7	11.9
3H	10.7	11.4	11.0	11.7	12.0	10.4	11.2	10.8	11.5	11.8
4H	10.6	11.3	11.0	11.6	11.9	10.4	11.1	10.7	11.4	11.7
6H	10.6	11.2	10.9	11.5	11.9	10.4	11.0	10.7	11.3	11.7
8H	10.5	11.1	10.9	11.5	11.8	10.3	10.9	10.7	11.3	11.6
12H	10.5	11.0	10.9	11.4	11.8	10.3	10.8	10.7	11.2	11.6
8H 4H	10.5	11.1	10.9	11.4	11.8	10.3	10.9	10.7	11.2	11.6
6H	10.5	10.9	10.9	11.3	11.7	10.3	10.7	10.7	11.1	11.5
8H	10.4	10.9	10.9	11.3	11.7	10.3	10.7	10.7	11.1	11.5
12H	10.5	10.8	10.9	11.2	11.7	10.3	10.6	10.7	11.1	11.5
12H 4H	10.4	11.0	10.9	11.3	11.7	10.2	10.8	10.6	11.1	11.5
6H	10.4	10.8	10.9	11.3	11.7	10.2	10.6	10.7	11.0	11.5
8H	10.4	10.8	10.9	11.2	11.7	10.2	10.6	10.7	11.0	11.5
Variations with the observer position at spacings:										
S = 1.0H	+ 2.8 / - 8.9					+ 2.8 / - 8.6				
1.5H	+ 4.8 / - 8.9					+ 4.8 / - 8.7				
2.0H	+ 7.3 / - 4.6					+ 7.4 / - 4.4				

CIE Pub.117, 12664 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 8.8$)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.1V I:0.4901A P:101.1W PF:0.9849 Freq:49.99Hz Lamp Flux:12663.9x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-90D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:

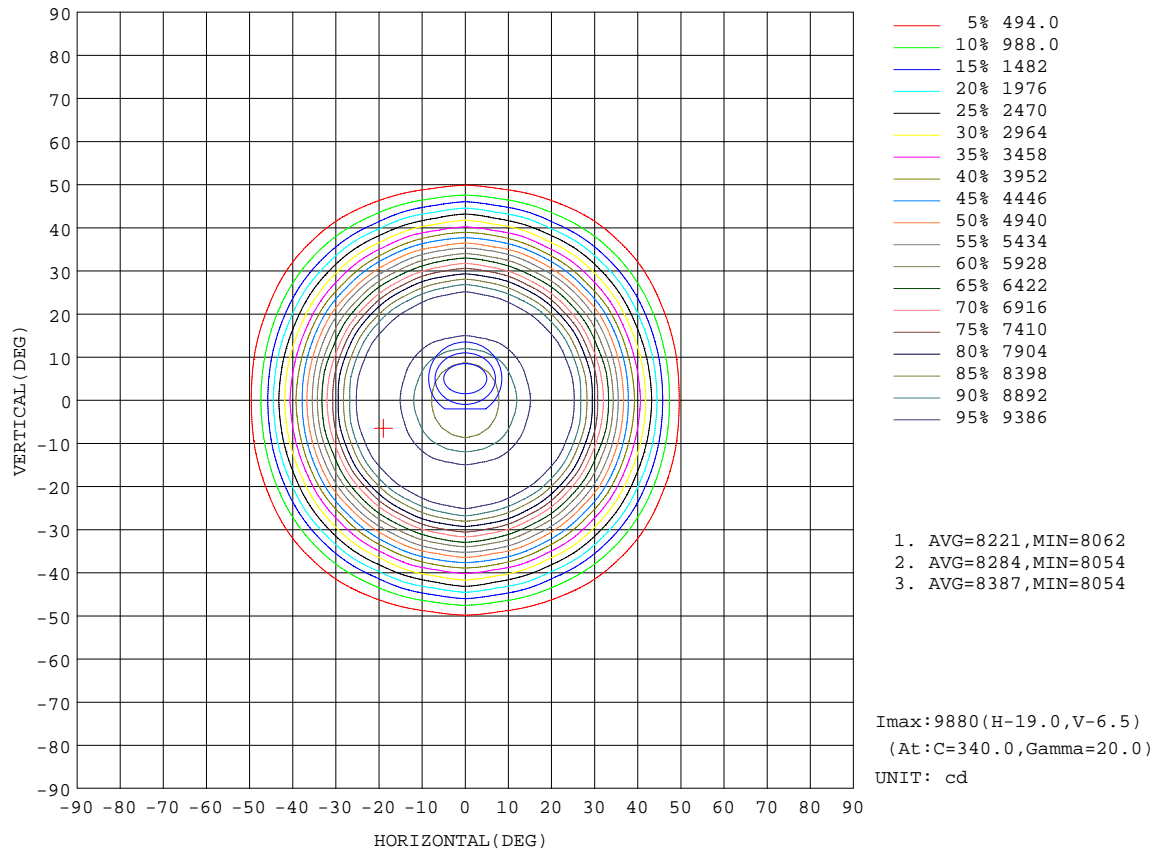
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	84	76	72	83	76	72	82	76	72	68
0.80	92	85	81	91	85	81	90	84	80	76
1.00	97	91	87	96	90	86	94	90	86	82
1.25	101	96	92	100	95	91	98	94	91	86
1.50	104	99	95	103	98	95	101	97	94	89
2.00	107	103	99	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	104	101	99	93
3.00	111	107	104	109	106	103	106	103	101	94
4.00	113	110	108	111	108	106	107	105	104	96
5.00	114	112	110	112	110	108	108	107	105	97
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:2018-01-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.1V I:0.4901A P:101.1W PF:0.9849 Freq:49.99Hz Lamp Flux:12663.9x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-90D-PC	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

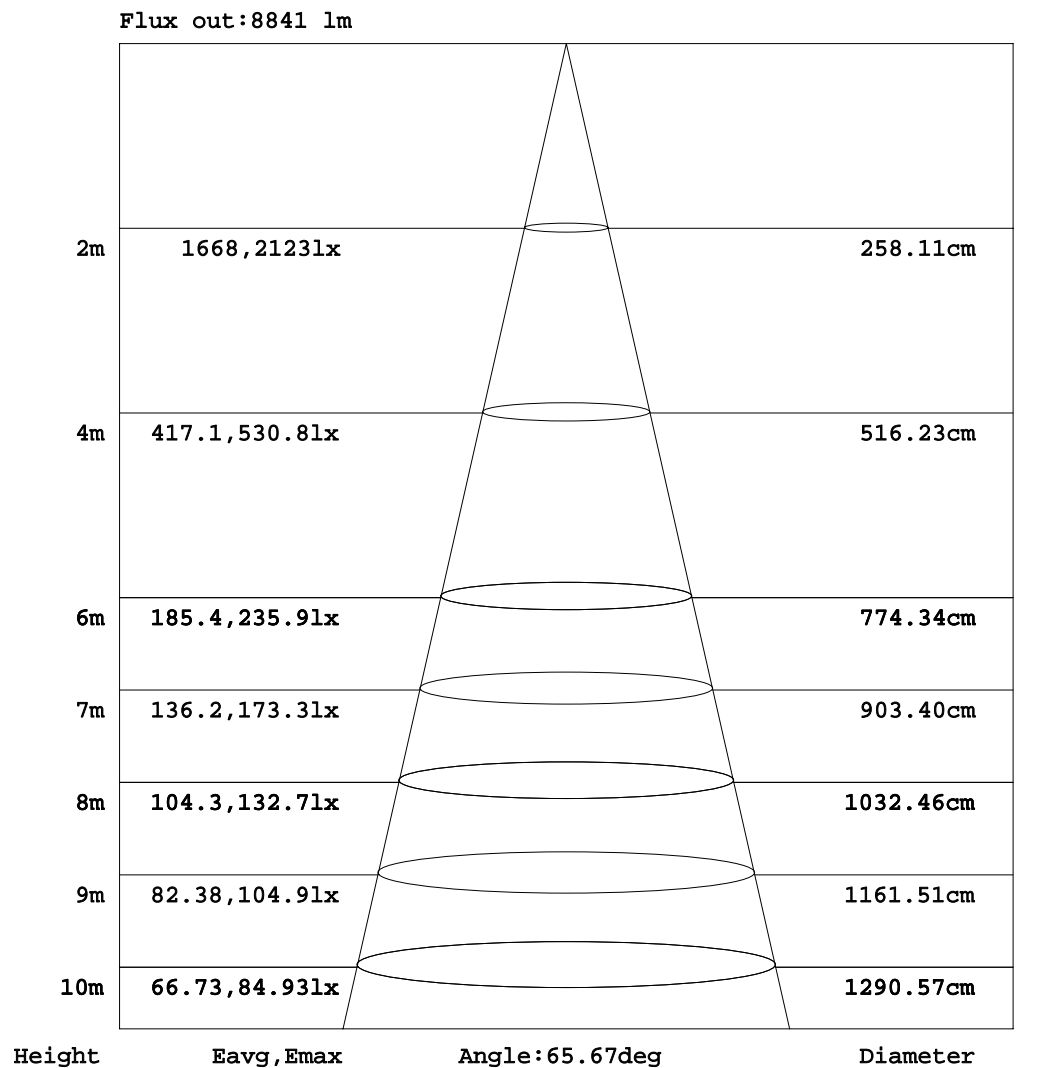


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.1V I:0.4901A P:101.1W PF:0.9849 Freq:49.99Hz Lamp Flux:12663.9x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-90D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:



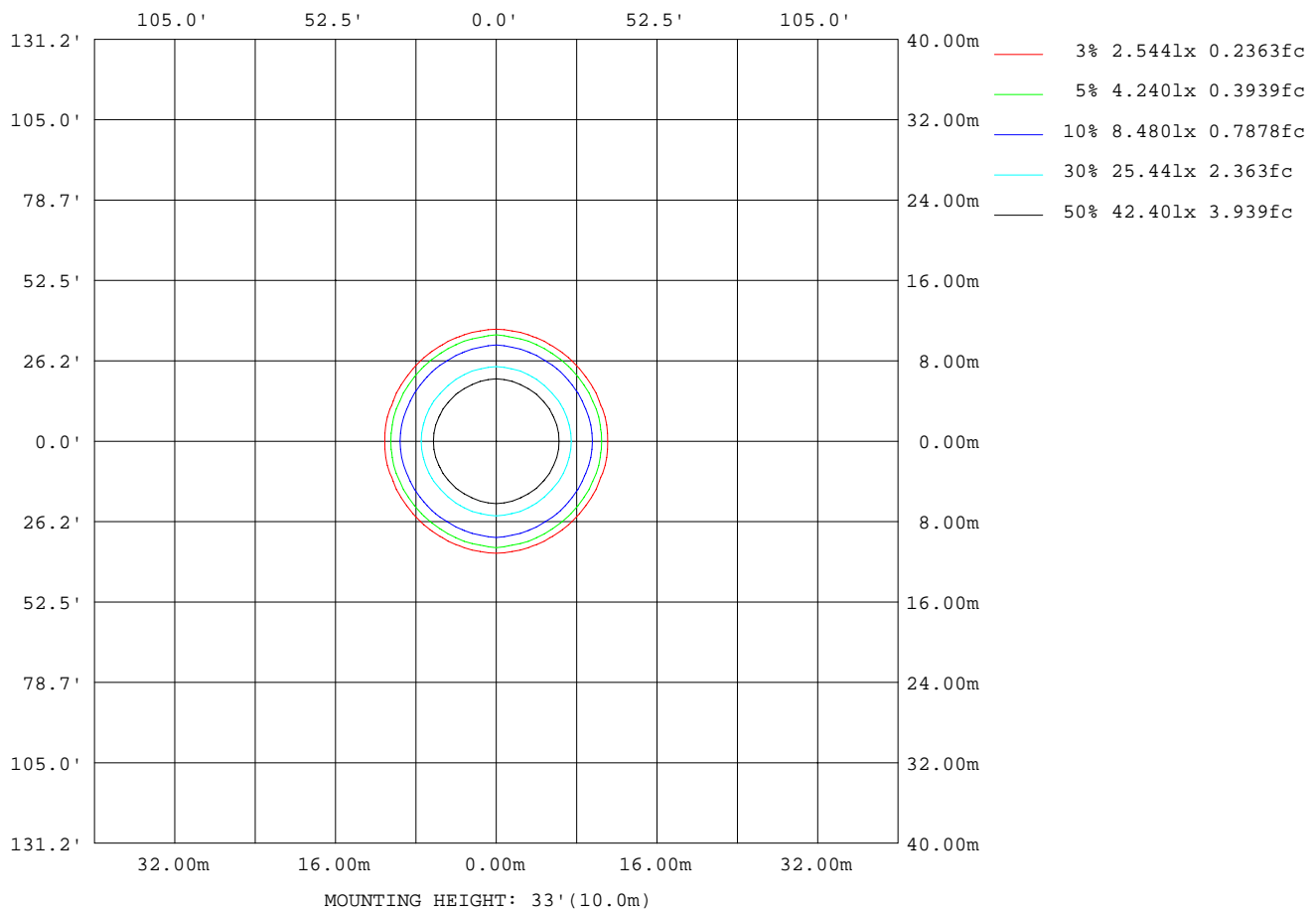
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.1V I:0.4901A P:101.1W PF:0.9849 Freq:49.99Hz Lamp Flux:12663.9x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-3030-90D-PC	DIM.: Φ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: Φ 0.16M	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.1V I:0.4901A P:101.1W PF:0.9849 Freq:49.99Hz Lamp Flux:12663.9x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-90D-PC	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

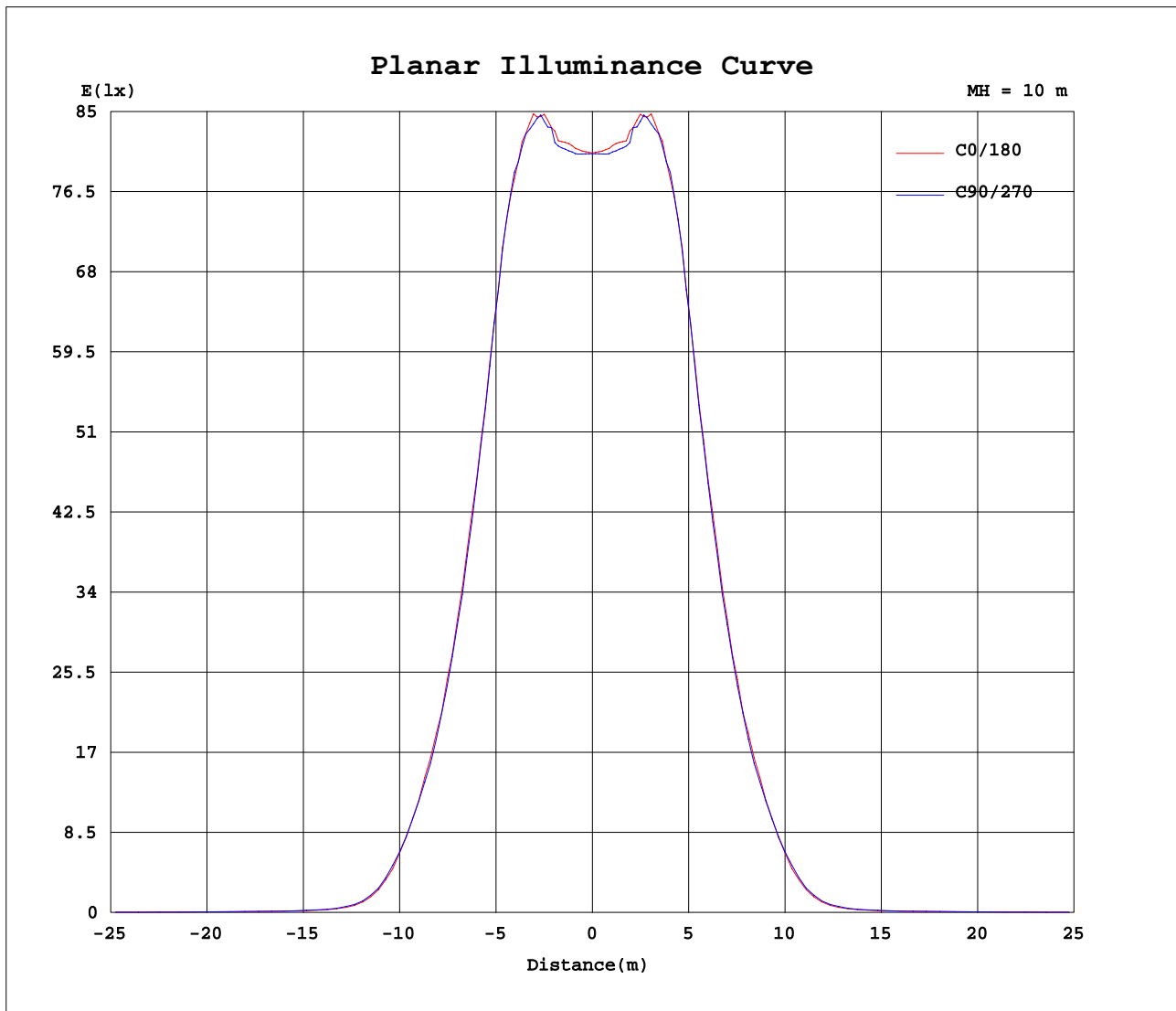
AvgL	cd/m2
L_0~180 (65) av	1814
L_0~180 (75) av	1936
L_0~180 (85) av	2778
L_90~270 (65) av	1900
L_90~270 (75) av	1978
L_90~270 (85) av	2869
L_45 (65) av	1839
L_45 (75) av	1876
L_45 (85) av	2743

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-01-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.633m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.1V I:0.4901A P:101.1W PF:0.9849 Freq:49.99Hz Lamp Flux:12663.9x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-90D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	8055	8055	8055	8055	8055	8055	8055	8055	8055	8055	8055	8055	8055	8055	8055	8055	8055	8055	8055
5	8197	8192	8198	8192	8196	8186	8183	8171	8165	8150	8165	8171	8183	8186	8196	8192	8198	8192	8197
10	8571	8568	8590	8578	8572	8547	8549	8523	8528	8520	8528	8523	8549	8547	8572	8578	8590	8568	8571
15	9367	9381	9383	9351	9338	9337	9356	9398	9428	9396	9428	9398	9356	9337	9338	9351	9383	9381	9367
20	9857	9856	9884	9868	9875	9849	9824	9797	9775	9803	9775	9797	9824	9849	9875	9868	9884	9856	9857
25	9472	9495	9413	9426	9339	9322	9256	9319	9314	9441	9314	9319	9256	9322	9339	9426	9413	9495	9472
30	7721	7793	7677	7667	7549	7556	7453	7545	7554	7662	7554	7545	7453	7556	7549	7667	7677	7793	7721
35	5656	5647	5567	5516	5441	5408	5360	5455	5490	5557	5490	5455	5360	5408	5441	5516	5567	5647	5656
40	3659	3572	3447	3399	3332	3357	3304	3430	3367	3531	3367	3430	3304	3357	3332	3399	3447	3572	3659
45	1792	1734	1648	1594	1534	1548	1521	1643	1688	1820	1688	1643	1521	1548	1534	1594	1648	1734	1792
50	425	445	417	430	411	432	416	427	421	467	421	427	416	432	411	430	417	445	425
55	139	142	144	149	143	147	147	152	148	151	148	152	147	147	143	149	144	142	139
60	93.6	95.2	97.1	98.5	97.0	96.7	97.3	100	99.2	100	99.2	100	97.3	96.7	97.0	98.5	97.1	95.2	93.6
65	76.7	76.8	78.3	79.2	78.2	77.4	78.3	80.1	79.6	80.3	79.6	80.1	78.3	77.4	78.2	79.2	78.3	76.8	76.7
70	64.2	63.8	64.6	64.7	63.8	63.0	64.2	65.7	65.5	65.6	65.5	65.7	64.2	63.0	63.8	64.7	64.6	63.8	64.2
75	50.1	50.0	49.6	49.7	48.7	48.7	49.9	51.2	50.9	51.2	50.9	51.2	49.9	48.7	48.7	49.7	49.6	50.0	50.1
80	35.7	35.9	35.5	35.8	34.9	35.4	35.9	36.6	36.2	36.6	36.2	36.6	35.9	35.4	34.9	35.8	35.5	35.9	35.7
85	24.2	24.4	23.7	23.8	23.6	24.3	24.4	24.7	24.7	25.0	24.7	24.7	24.4	24.3	23.6	23.8	23.7	24.4	24.2
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:2018-01-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.633m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.1V I:0.4901A P:101.1W PF:0.9849 Freq:49.99Hz Lamp Flux:12663.9x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-3030-90D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	8055	8055	8055	8055	8055	8055	8055	8055	8055	8055	8055	8055	8055	8055	8055	8055	8055		
5	8192	8198	8192	8196	8186	8183	8171	8165	8150	8165	8171	8183	8186	8196	8192	8198	8192		
10	8568	8590	8578	8572	8547	8549	8523	8528	8520	8528	8523	8549	8547	8572	8578	8590	8568		
15	9381	9383	9351	9338	9337	9356	9398	9428	9396	9428	9398	9356	9337	9338	9351	9383	9381		
20	9856	9884	9868	9875	9849	9824	9797	9775	9803	9775	9797	9824	9849	9875	9868	9884	9856		
25	9495	9413	9426	9339	9322	9256	9319	9314	9441	9314	9319	9256	9322	9339	9426	9413	9495		
30	7793	7677	7667	7549	7556	7453	7545	7554	7662	7554	7545	7453	7556	7549	7667	7677	7793		
35	5647	5567	5516	5441	5408	5360	5455	5490	5557	5490	5455	5360	5408	5441	5516	5567	5647		
40	3572	3447	3399	3332	3357	3304	3430	3367	3531	3367	3430	3304	3357	3332	3399	3447	3572		
45	1734	1648	1594	1534	1548	1521	1643	1688	1820	1688	1643	1521	1548	1534	1594	1648	1734		
50	445	417	430	411	432	416	427	421	467	421	427	416	432	411	430	417	445		
55	142	144	149	143	147	147	152	148	151	148	152	147	147	143	149	144	142		
60	95.2	97.1	98.5	97.0	96.7	97.3	100	99.2	100	99.2	100	97.3	96.7	97.0	98.5	97.1	95.2		
65	76.8	78.3	79.2	78.2	77.4	78.3	80.1	79.6	80.3	79.6	80.1	78.3	77.4	78.2	79.2	78.3	76.8		
70	63.8	64.6	64.7	63.8	63.0	64.2	65.7	65.5	65.6	65.5	65.7	64.2	63.0	63.8	64.7	64.6	63.8		
75	50.0	49.6	49.7	48.7	48.7	49.9	51.2	50.9	51.2	50.9	51.2	49.9	48.7	48.7	49.7	49.6	50.0		
80	35.9	35.5	35.8	34.9	35.4	35.9	36.6	36.2	36.6	36.2	36.6	35.9	35.4	34.9	35.8	35.5	35.9		
85	24.4	23.7	23.8	23.6	24.3	24.4	24.7	24.7	25.0	24.7	24.7	24.4	24.3	23.6	23.8	23.7	24.4		
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:2018-01-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.633m [K=1.0000]
 Remarks: