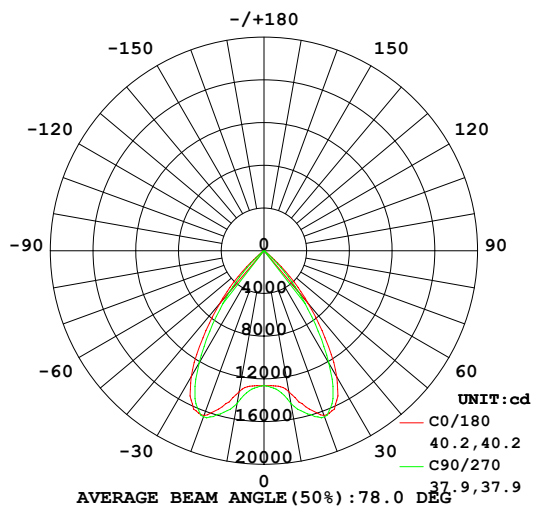


LUMINAIRE PHOTOMETRIC TEST REPORT

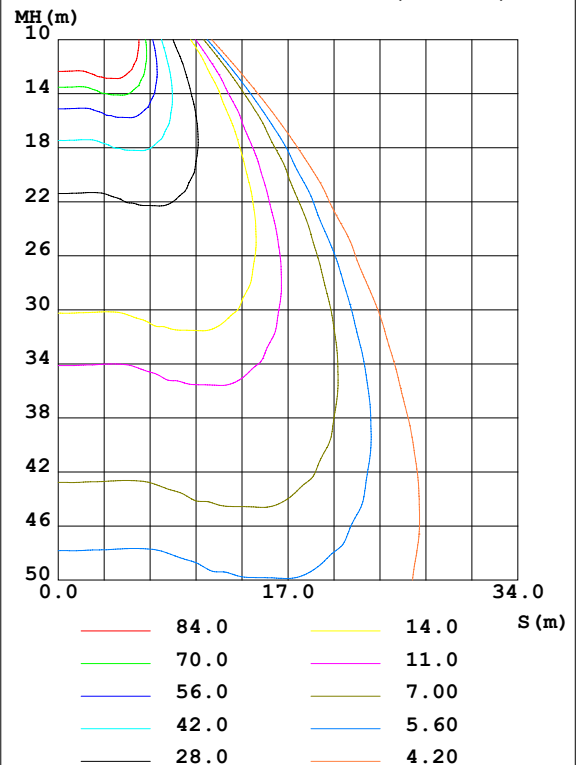
Test:U:220.0V I:0.7341A P:149.1W PF:0.9585 Freq:49.99Hz Lamp Flux:21079.3x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150Woh-3030-90D-PC	DIM.: ϕ 0.319*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.24M	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 141.38 lm/W			
MODEL	3030	I _{max} (cd)	16668	S/MH (C0/180)	1.16
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.10
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	21079	η UP,DN (C0-180)	0.0,50.0
NOMINAL FLUX (lm)	21079.3	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	1340	1382	1452	1382	1340	1382	1452	1382	0- 10	1258	1258	5.97,5.97
20	1641	1637	1654	1637	1641	1637	1654	1637	10- 20	4417	5675	26.9,26.9
30	1365	1296	1215	1296	1365	1296	1215	1296	20- 30	7044	12719	60.3,60.3
40	639.6	571.5	504.5	571.5	639.6	571.5	504.5	571.5	30- 40	5706	18425	87.4,87.4
50	96.74	64.37	52.20	64.37	96.74	64.37	52.20	64.37	40- 50	2202	20628	97.9,97.9
60	14.02	13.45	13.30	13.45	14.02	13.45	13.30	13.45	50- 60	230.1	20858	98.9,98.9
70	8.933	8.747	8.585	8.747	8.933	8.747	8.585	8.747	60- 70	107.5	20965	99.5,99.5
80	5.612	5.242	4.930	5.242	5.612	5.242	4.930	5.242	70- 80	73.97	21039	99.8,99.8
90	0	0	0	0	0	0	0	0	80- 90	40.08	21079	100,100
100	0	0	0	0	0	0	0	0	90-100	0	21079	100,100
110	0	0	0	0	0	0	0	0	100-110	0	21079	100,100
120	0	0	0	0	0	0	0	0	110-120	0	21079	100,100
130	0	0	0	0	0	0	0	0	120-130	0	21079	100,100
140	0	0	0	0	0	0	0	0	130-140	0	21079	100,100
150	0	0	0	0	0	0	0	0	140-150	0	21079	100,100
160	0	0	0	0	0	0	0	0	150-160	0	21079	100,100
170	0	0	0	0	0	0	0	0	160-170	0	21079	100,100
180	0	0	0	0	0	0	0	0	170-180	0	21079	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 19988 lm

%lum = 94.8%

%lamp = 94.8%

Conical surface Flux(120deg): 20858 lm

%lum = 98.9%

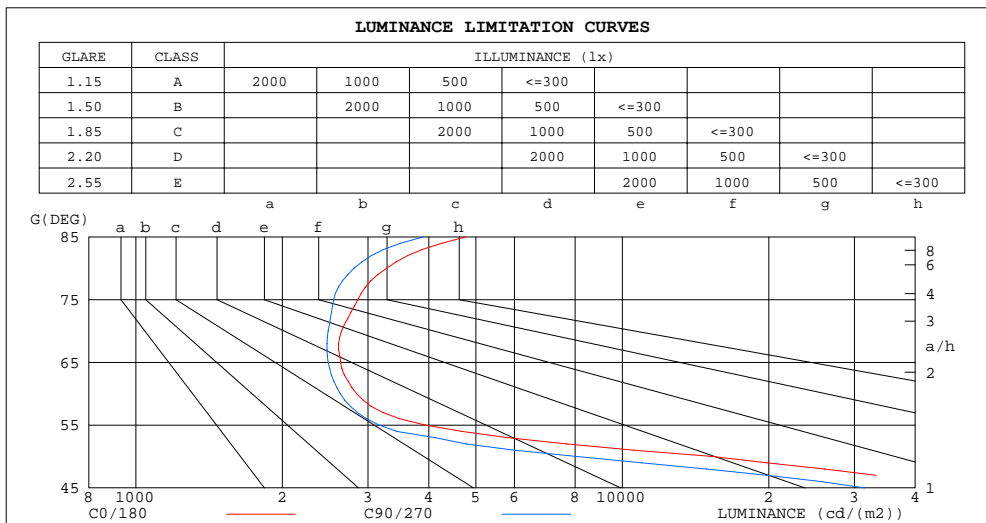
%lamp = 98.9%

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
 γ 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:220.0V I:0.7341A P:149.1W PF:0.9585 Freq:49.99Hz Lamp Flux:21079.3x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150Woh-3030-90D-PC	DIM.: $\phi 0.319 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.24M$	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	4770	3902
80	3277	2809
75	2860	2551
70	2649	2484
65	2636	2485
60	2843	2632
55	3932	3160
50	15261	8036
45	49089	31484

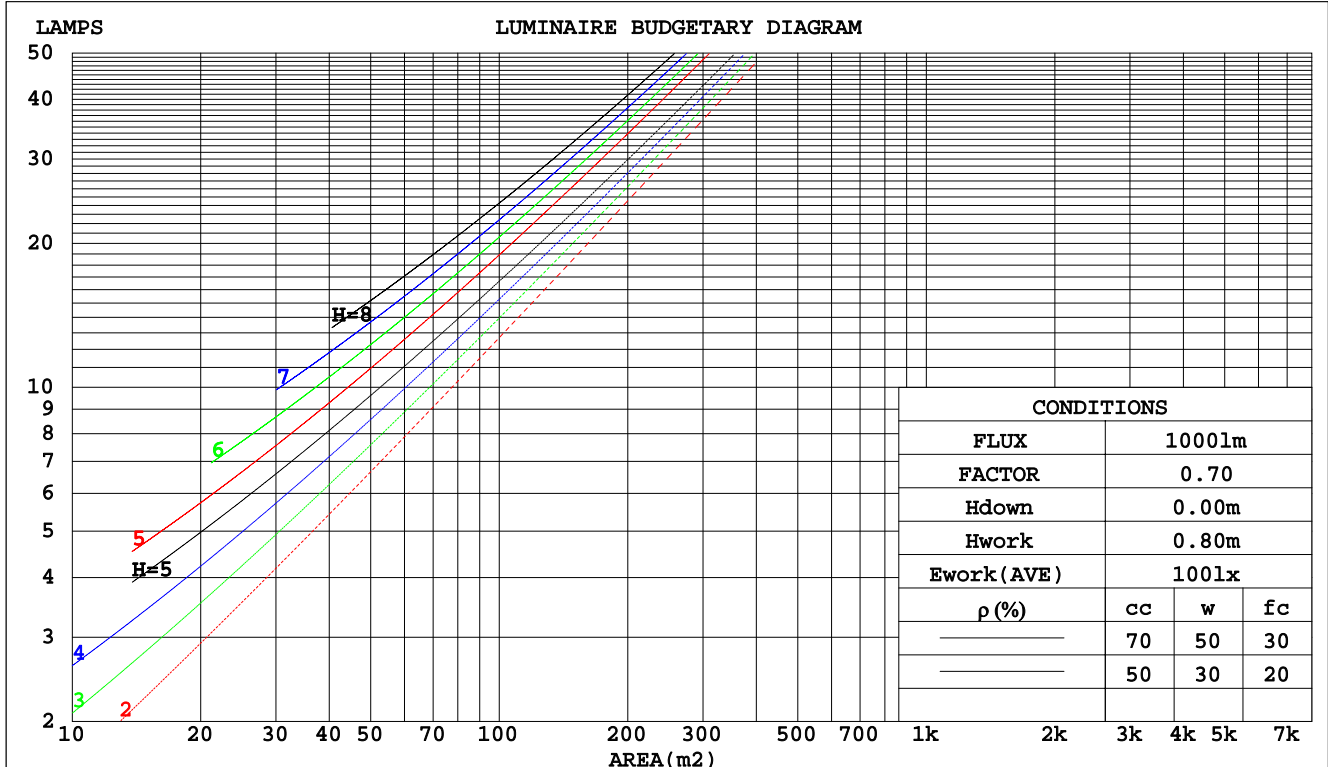
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-03

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:220.0V I:0.7341A P:149.1W PF:0.9585 Freq:49.99Hz Lamp Flux:21079.3x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-3030-90D-PC	DIM.: ϕ 0.319*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.24M	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	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	.84	.81	.85	.82	.79	.78
4.0	.87	.81	.76	.85	.80	.76	.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	.54	.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:220.0V I:0.7341A P:149.1W PF:0.9585 Freq:49.99Hz Lamp Flux:21079.3x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-3030-90D-PC	DIM.: ϕ 0.319*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.24M	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	.174	.100	.032	.163	.094	.030	.152	.088	.028		
2.0	.186	.102	.031	.181	.100	.031	.170	.095	.029	.160	.090	.028	.151	.085	.027		
3.0	.178	.095	.028	.173	.093	.028	.164	.089	.027	.156	.085	.026	.148	.082	.025		
4.0	.170	.088	.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	.149	.073	.021	.146	.073	.021	.140	.071	.020	.135	.069	.020	.130	.067	.020		
8.0	.142	.069	.020	.140	.069	.019	.135	.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	.063	.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	.135	.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:220.0V I:0.7341A P:149.1W PF:0.9585 Freq:49.99Hz Lamp Flux:21079.3x1 lm										
NAME: AOK-oH					TYPE:LED			WEIGHT:4.6KG		
SPEC.:AOK-150WoH-3030-90D-PC					DIM.: ϕ 0.319*0.138M			SERIAL No.:1		
MFR.: AOK					SUR.: ϕ 0.24M			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	11.4	12.5	11.7	12.7	12.9	10.4	11.5	10.6	11.6	11.8
3H	11.3	12.3	11.6	12.5	12.7	10.2	11.2	10.5	11.4	11.6
4H	11.2	12.1	11.5	12.3	12.6	10.2	11.1	10.4	11.3	11.5
6H	11.1	12.0	11.4	12.2	12.5	10.1	10.9	10.4	11.2	11.4
8H	11.1	11.9	11.4	12.2	12.5	10.1	10.9	10.4	11.1	11.4
12H	11.1	11.9	11.4	12.1	12.4	10.0	10.8	10.4	11.1	11.4
4H 2H	11.2	12.1	11.5	12.3	12.6	10.1	11.0	10.4	11.3	11.5
3H	11.0	11.8	11.4	12.1	12.4	10.0	10.8	10.3	11.0	11.3
4H	11.0	11.7	11.3	12.0	12.3	9.9	10.6	10.3	10.9	11.2
6H	10.9	11.5	11.3	11.9	12.2	9.9	10.5	10.2	10.8	11.2
8H	10.9	11.5	11.3	11.8	12.2	9.8	10.4	10.2	10.8	11.1
12H	10.9	11.4	11.3	11.8	12.2	9.8	10.3	10.2	10.7	11.1
8H 4H	10.8	11.4	11.2	11.8	12.1	9.8	10.4	10.2	10.7	11.1
6H	10.8	11.3	11.2	11.7	12.1	9.8	10.2	10.2	10.6	11.0
8H	10.8	11.2	11.2	11.6	12.0	9.7	10.2	10.2	10.6	11.0
12H	10.8	11.1	11.2	11.6	12.0	9.7	10.1	10.2	10.5	11.0
12H 4H	10.8	11.3	11.2	11.7	12.1	9.8	10.3	10.2	10.7	11.0
6H	10.7	11.2	11.2	11.6	12.0	9.7	10.1	10.2	10.6	11.0
8H	10.7	11.1	11.2	11.5	12.0	9.7	10.1	10.2	10.5	11.0
Variations with the observer position at spacings:										
S = 1.0H	+ 2.9 / - 9.9					+ 2.5 / - 9.4				
1.5H	+ 4.8 / -10.2					+ 4.5 / - 9.4				
2.0H	+ 7.6 / - 5.9					+ 6.8 / - 4.2				

CIE Pub.117, 21079 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 10.6$)

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:220.0V I:0.7341A P:149.1W PF:0.9585 Freq:49.99Hz Lamp Flux:21079.3x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-3030-90D-PC	DIM.: $\phi 0.319 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.24M$	Shielding Angle:

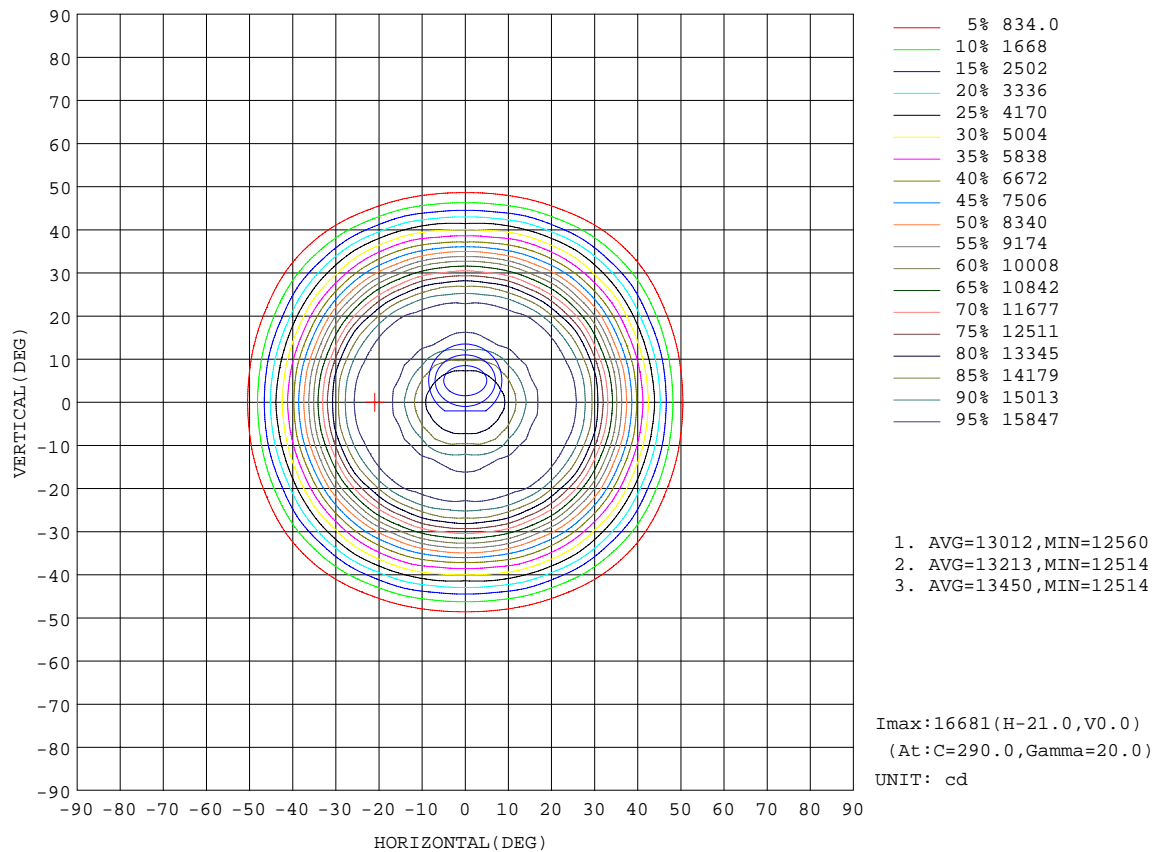
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	84	77	72	83	76	72	82	76	72	68
0.80	92	85	81	91	85	81	90	84	81	77
1.00	97	91	87	96	90	87	94	90	86	82
1.25	101	96	92	100	95	92	98	94	91	86
1.50	104	99	96	103	98	95	101	97	94	89
2.00	108	103	100	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	105	102	99	93
3.00	111	107	104	109	106	103	106	103	101	95
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:220.0V I:0.7341A P:149.1W PF:0.9585 Freq:49.99Hz Lamp Flux:21079.3x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150Woh-3030-90D-PC	DIM.: $\phi 0.319 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.24\text{M}$	Shielding Angle:

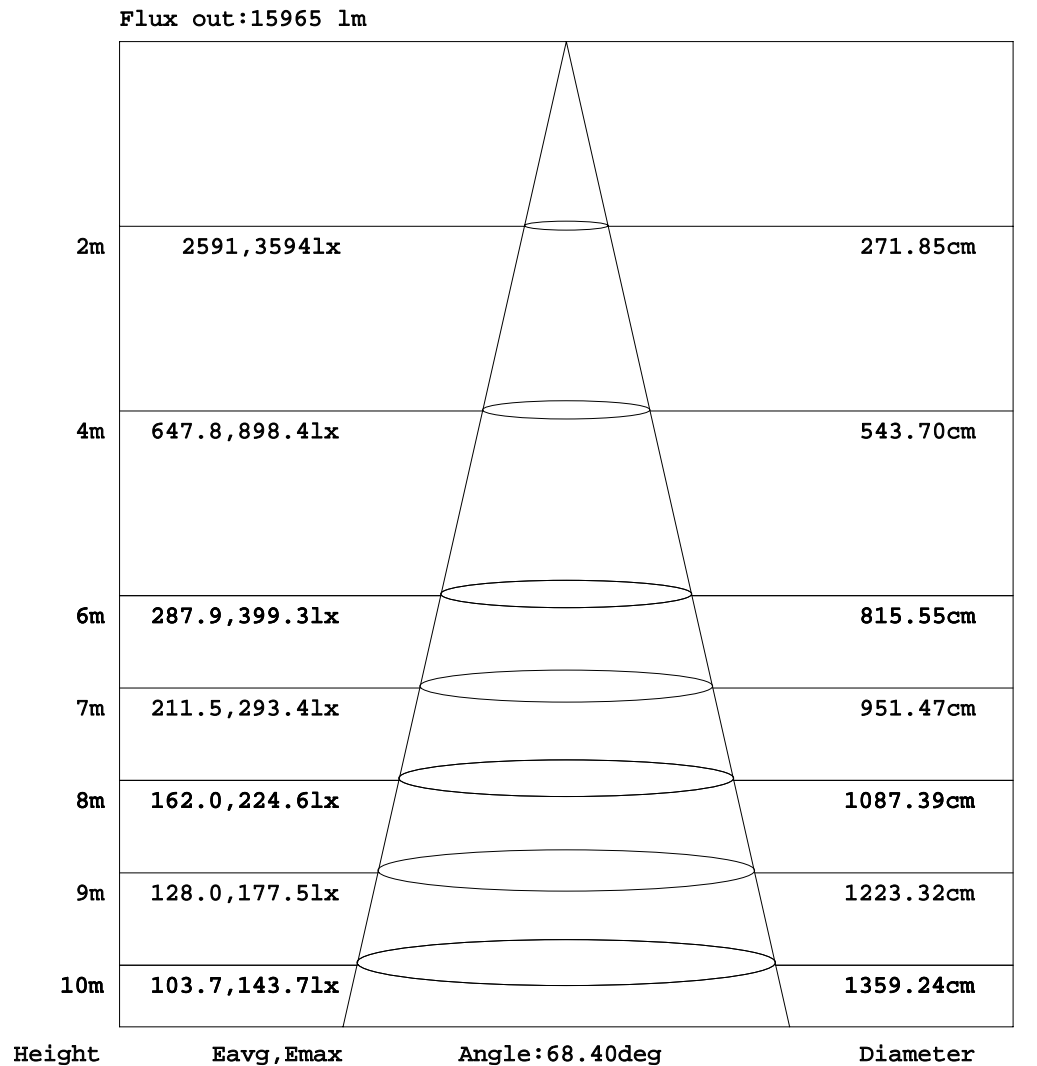


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-03

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:220.0V I:0.7341A P:149.1W PF:0.9585 Freq:49.99Hz Lamp Flux:21079.3x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150Woh-3030-90D-PC	DIM.: $\phi 0.319 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.24M$	Shielding Angle:



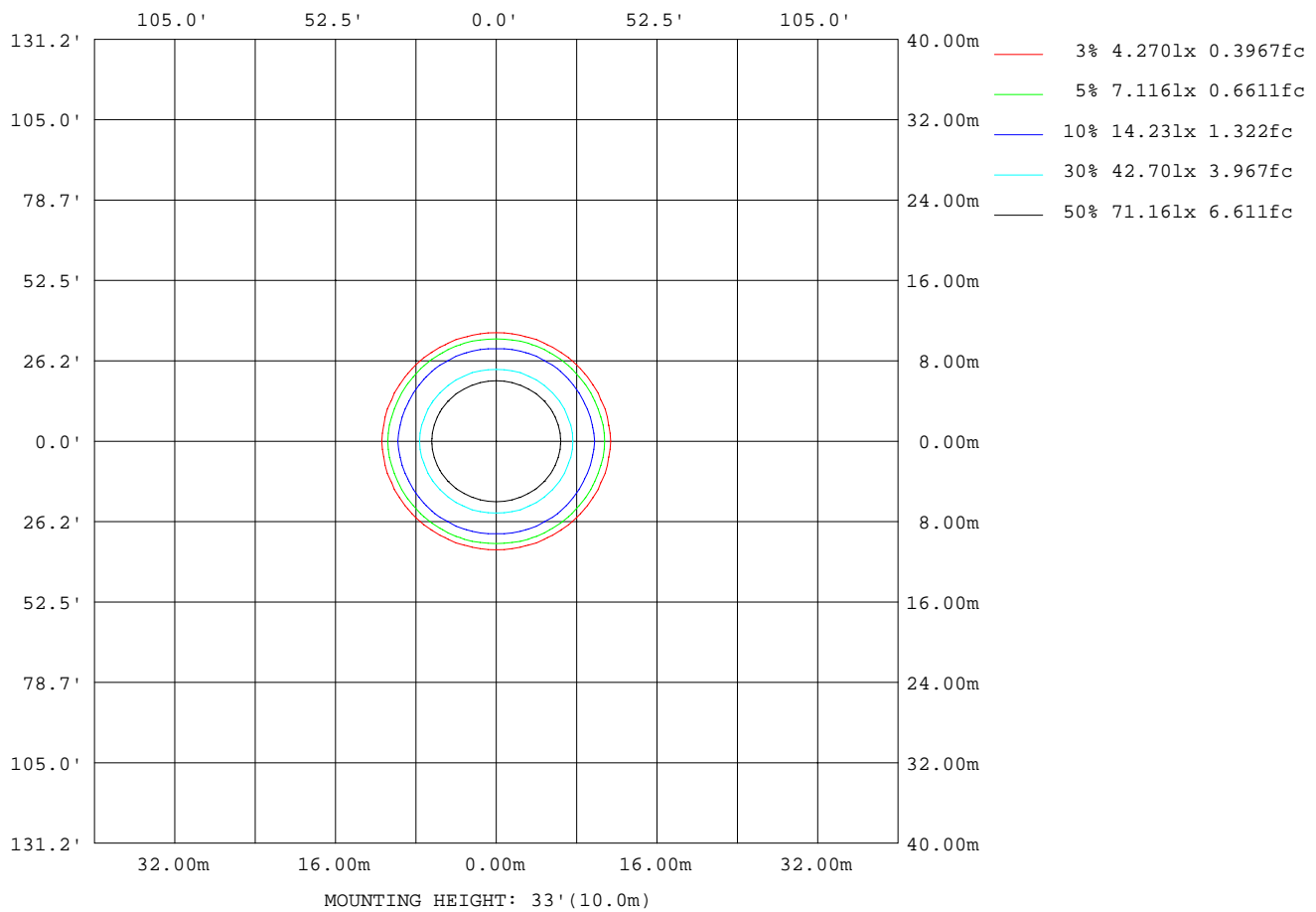
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:220.0V I:0.7341A P:149.1W PF:0.9585 Freq:49.99Hz Lamp Flux:21079.3x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150Woh-3030-90D-PC	DIM.: Φ 0.319*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: Φ 0.24M	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:220.0V I:0.7341A P:149.1W PF:0.9585 Freq:49.99Hz Lamp Flux:21079.3x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-3030-90D-PC	DIM.: $\phi 0.319 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.24M$	Shielding Angle:

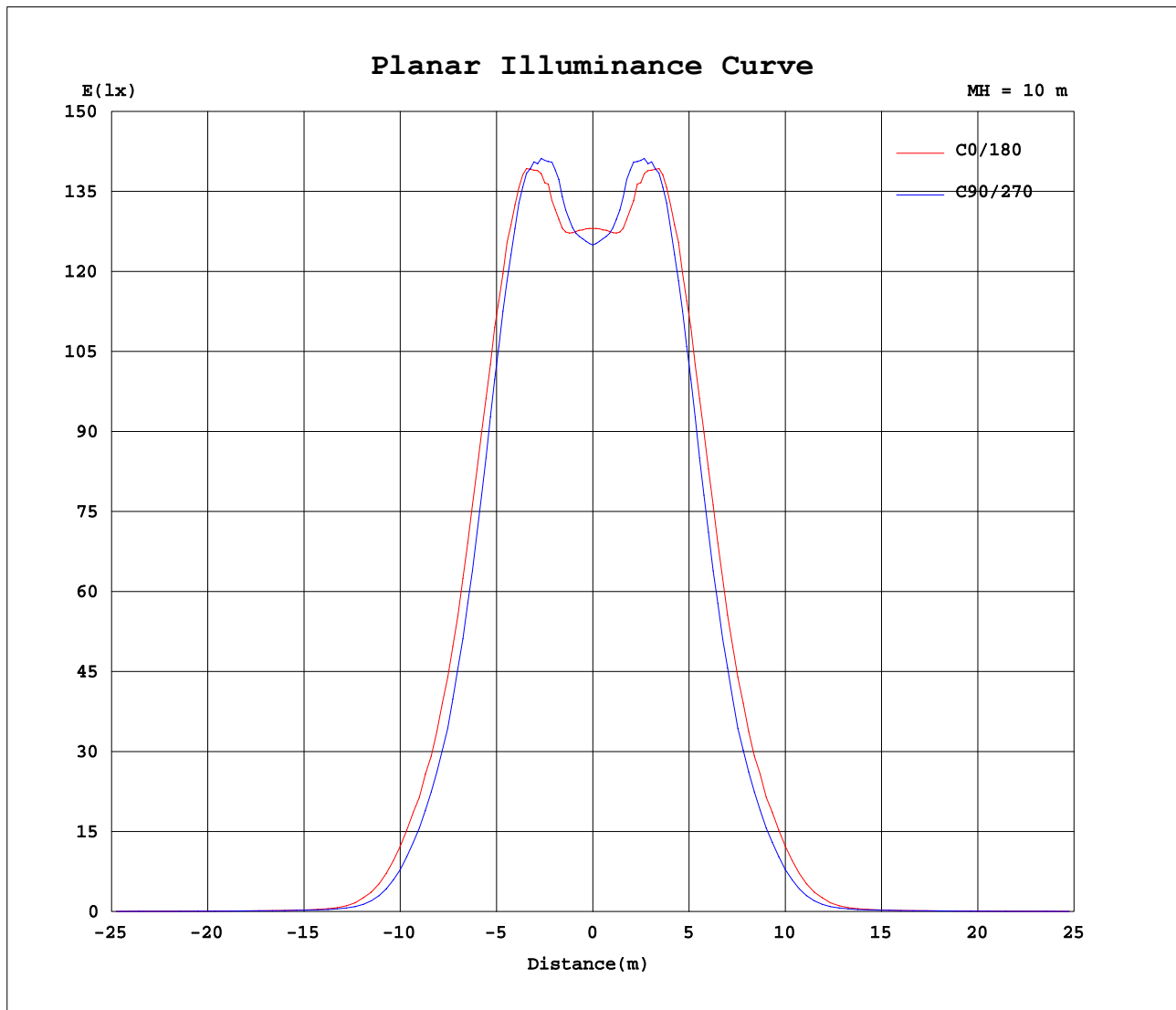
AvgL	cd/m2
L_0~180 (65) av	2600
L_0~180 (75) av	2821
L_0~180 (85) av	4704
L_90~270 (65) av	2511
L_90~270 (75) av	2578
L_90~270 (85) av	3943
L_45 (65) av	2540
L_45 (75) av	2703
L_45 (85) av	4231

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:220.0V I:0.7341A P:149.1W PF:0.9585 Freq:49.99Hz Lamp Flux:21079.3x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-3030-90D-PC	DIM.: $\phi 0.319 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.24M$	Shielding Angle:

Table--1

UNIT: $\times 10cd$

C (DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263
5	1272	1276	1280	1284	1288	1290	1293	1294	1298	1300	1298	1294	1293	1290	1288	1284	1280	1276	1272
10	1340	1348	1362	1368	1379	1386	1398	1413	1440	1452	1440	1413	1398	1386	1379	1368	1362	1348	1340
15	1514	1532	1543	1554	1561	1559	1586	1586	1589	1583	1589	1586	1586	1559	1561	1554	1543	1532	1514
20	1641	1640	1643	1642	1641	1633	1633	1667	1664	1654	1664	1667	1633	1633	1641	1642	1643	1640	1641
25	1585	1605	1577	1571	1572	1552	1557	1552	1528	1528	1528	1552	1557	1552	1572	1571	1577	1605	1585
30	1365	1367	1353	1343	1308	1285	1247	1238	1204	1215	1204	1238	1247	1285	1308	1343	1353	1367	1365
35	996	1000	976	963	922	911	866	859	841	840	841	859	866	911	922	963	976	1000	996
40	640	638	611	597	576	567	553	543	513	505	513	543	553	567	576	597	611	638	640
45	342	328	301	297	274	271	252	249	229	225	229	249	252	271	274	297	301	328	342
50	96.7	91.4	79.0	76.6	66.8	61.9	55.1	55.8	51.9	52.2	51.9	55.8	55.1	61.9	66.8	76.6	79.0	91.4	96.7
55	22.2	21.6	20.6	20.4	19.7	19.5	18.9	18.7	18.4	18.3	18.4	18.7	18.9	19.5	19.7	20.4	20.6	21.6	22.2
60	14.0	13.8	13.7	13.6	13.5	13.4	13.4	13.3	13.2	13.3	13.2	13.3	13.4	13.4	13.5	13.6	13.7	13.8	14.0
65	11.0	10.9	10.9	10.8	10.7	10.7	10.6	10.6	10.5	10.6	10.5	10.6	10.6	10.7	10.7	10.8	10.9	10.9	11.0
70	8.93	8.96	8.92	8.84	8.75	8.74	8.63	8.63	8.56	8.59	8.56	8.63	8.63	8.74	8.75	8.84	8.92	8.96	8.93
75	7.30	7.33	7.26	7.15	7.02	6.97	6.81	6.81	6.72	6.67	6.72	6.81	6.81	6.97	7.02	7.15	7.26	7.33	7.30
80	5.61	5.60	5.51	5.42	5.28	5.21	5.09	5.09	5.00	4.93	5.00	5.09	5.09	5.21	5.28	5.42	5.51	5.60	5.61
85	4.10	4.05	3.97	3.89	3.74	3.65	3.59	3.60	3.49	3.44	3.49	3.60	3.59	3.65	3.74	3.89	3.97	4.05	4.10
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:220.0V I:0.7341A P:149.1W PF:0.9585 Freq:49.99Hz Lamp Flux:21079.3x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-3030-90D-PC	DIM.: ϕ 0.319*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.24M	Shielding Angle:

Table--2

UNIT: $\times 10\text{cd}$

C (DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263		
5	1276	1280	1284	1288	1290	1293	1294	1298	1300	1298	1294	1293	1290	1288	1284	1280	1276		
10	1348	1362	1368	1379	1386	1398	1413	1440	1452	1440	1413	1398	1386	1379	1368	1362	1348		
15	1532	1543	1554	1561	1559	1586	1586	1589	1583	1589	1586	1586	1559	1561	1554	1543	1532		
20	1640	1643	1642	1641	1633	1633	1667	1664	1654	1664	1667	1633	1633	1641	1642	1643	1640		
25	1605	1577	1571	1572	1552	1557	1552	1528	1528	1528	1552	1557	1552	1572	1571	1577	1605		
30	1367	1353	1343	1308	1285	1247	1238	1204	1215	1204	1238	1247	1285	1308	1343	1353	1367		
35	1000	976	963	922	911	866	859	841	840	841	859	866	911	922	963	976	1000		
40	638	611	597	576	567	553	543	513	505	513	543	553	567	576	597	611	638		
45	328	301	297	274	271	252	249	229	225	229	249	252	271	274	297	301	328		
50	91.4	79.0	76.6	66.8	61.9	55.1	55.8	51.9	52.2	51.9	55.8	55.1	61.9	66.8	76.6	79.0	91.4		
55	21.6	20.6	20.4	19.7	19.5	18.9	18.7	18.4	18.3	18.4	18.7	18.9	19.5	19.7	20.4	20.6	21.6		
60	13.8	13.7	13.6	13.5	13.4	13.4	13.3	13.2	13.3	13.2	13.3	13.4	13.4	13.5	13.6	13.7	13.8		
65	10.9	10.9	10.8	10.7	10.7	10.6	10.6	10.5	10.6	10.5	10.6	10.6	10.7	10.7	10.8	10.9	10.9		
70	8.96	8.92	8.84	8.75	8.74	8.63	8.63	8.56	8.59	8.56	8.63	8.63	8.74	8.75	8.84	8.92	8.96		
75	7.33	7.26	7.15	7.02	6.97	6.81	6.81	6.72	6.67	6.72	6.81	6.81	6.97	7.02	7.15	7.26	7.33		
80	5.60	5.51	5.42	5.28	5.21	5.09	5.09	5.00	4.93	5.00	5.09	5.09	5.21	5.28	5.42	5.51	5.60		
85	4.05	3.97	3.89	3.74	3.65	3.59	3.60	3.49	3.44	3.49	3.60	3.59	3.65	3.74	3.89	3.97	4.05		
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: