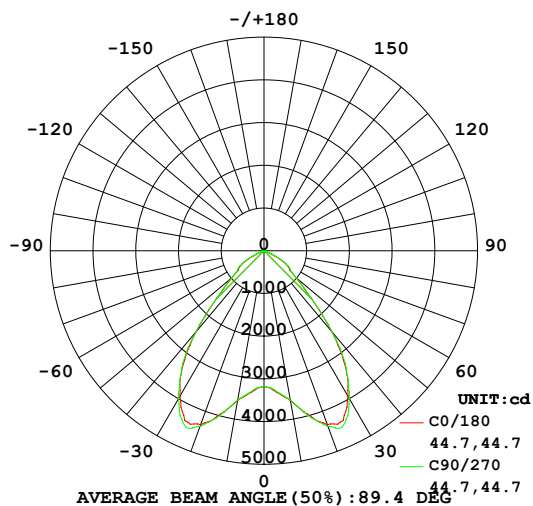


LUMINAIRE PHOTOMETRIC TEST REPORT

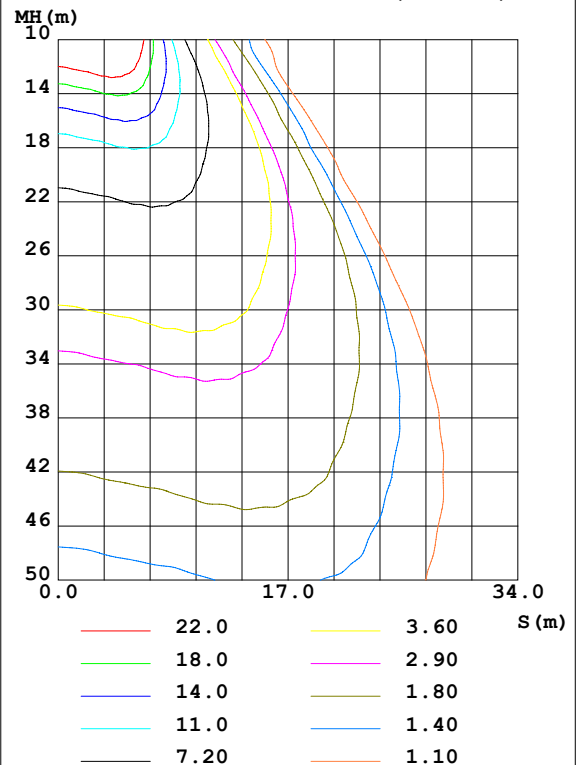
Test:U:220.1V I:0.3020A P:60.10W PF:0.9745 Freq:49.99Hz Lamp Flux:7749.11x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D-PC	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 128.94 lm/W			
MODEL	3030	I _{max} (cd)	4517	S/MH (C0/180)	1.30
NOMINAL POWER (W)	60	LOR (%)	100.0	S/MH (C90/270)	1.30
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	7749.1	η UP,DN (C0-180)	0.0,50.0
NOMINAL FLUX (lm)	7749.11	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,50.0
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	1.25

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	3553	3576	3551	3576	3553	3576	3551	3576	0- 10	324.3	324.3	4.18,4.18
20	4335	4354	4378	4354	4335	4354	4378	4354	10- 20	1141	1465	18.9,18.9
30	3939	3961	3992	3961	3939	3961	3992	3961	20- 30	1997	3463	44.7,44.7
40	2474	2547	2471	2547	2474	2547	2471	2547	30- 40	2060	5523	71.3,71.3
50	981.2	908.1	982.3	908.1	981.2	908.1	982.3	908.1	40- 50	1220	6743	87,87
60	548.0	547.3	576.6	547.3	548.0	547.3	576.6	547.3	50- 60	648.4	7391	95.4,95.4
70	84.40	88.62	89.16	88.62	84.40	88.62	89.16	88.62	60- 70	277.7	7669	99,99
80	32.52	32.55	34.01	32.55	32.52	32.55	34.01	32.55	70- 80	56.87	7726	99.7,99.7
90	0	0	0	0	0	0	0	0	80- 90	23.09	7749	100,100
100	0	0	0	0	0	0	0	0	90-100	0	7749	100,100
110	0	0	0	0	0	0	0	0	100-110	0	7749	100,100
120	0	0	0	0	0	0	0	0	110-120	0	7749	100,100
130	0	0	0	0	0	0	0	0	120-130	0	7749	100,100
140	0	0	0	0	0	0	0	0	130-140	0	7749	100,100
150	0	0	0	0	0	0	0	0	140-150	0	7749	100,100
160	0	0	0	0	0	0	0	0	150-160	0	7749	100,100
170	0	0	0	0	0	0	0	0	160-170	0	7749	100,100
180	0	0	0	0	0	0	0	0	170-180	0	7749	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 6260.7 lm

%lum = 80.8%

%lamp = 80.8%

Conical surface Flux(120deg): 7391.5 lm

%lum = 95.4%

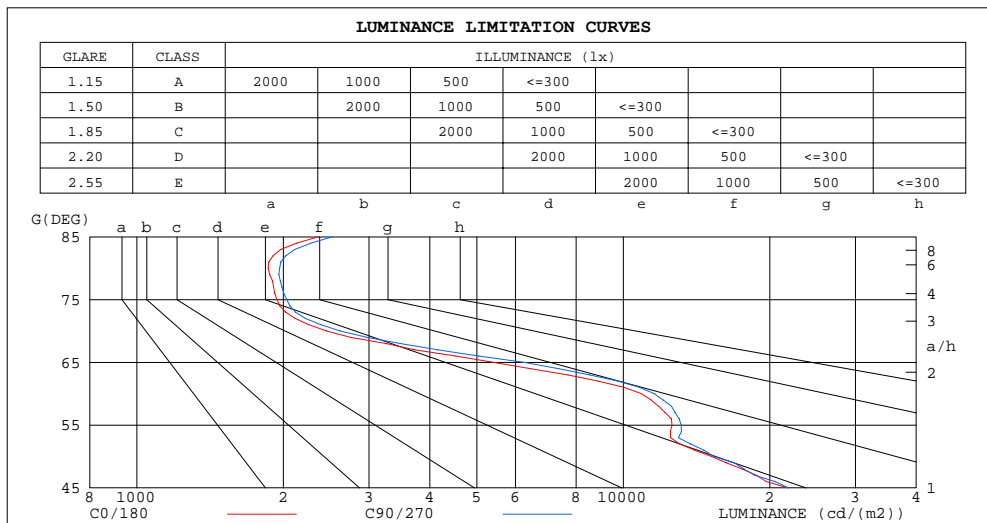
%lamp = 95.4%

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:0.3020A P:60.10W PF:0.9745 Freq:49.99Hz Lamp Flux:7749.11x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D-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	2360	2521
80	1861	1966
75	1941	2032
70	2453	2617
65	5400	6247
60	10892	11575
55	12595	13149
50	15171	15338
45	21823	21862

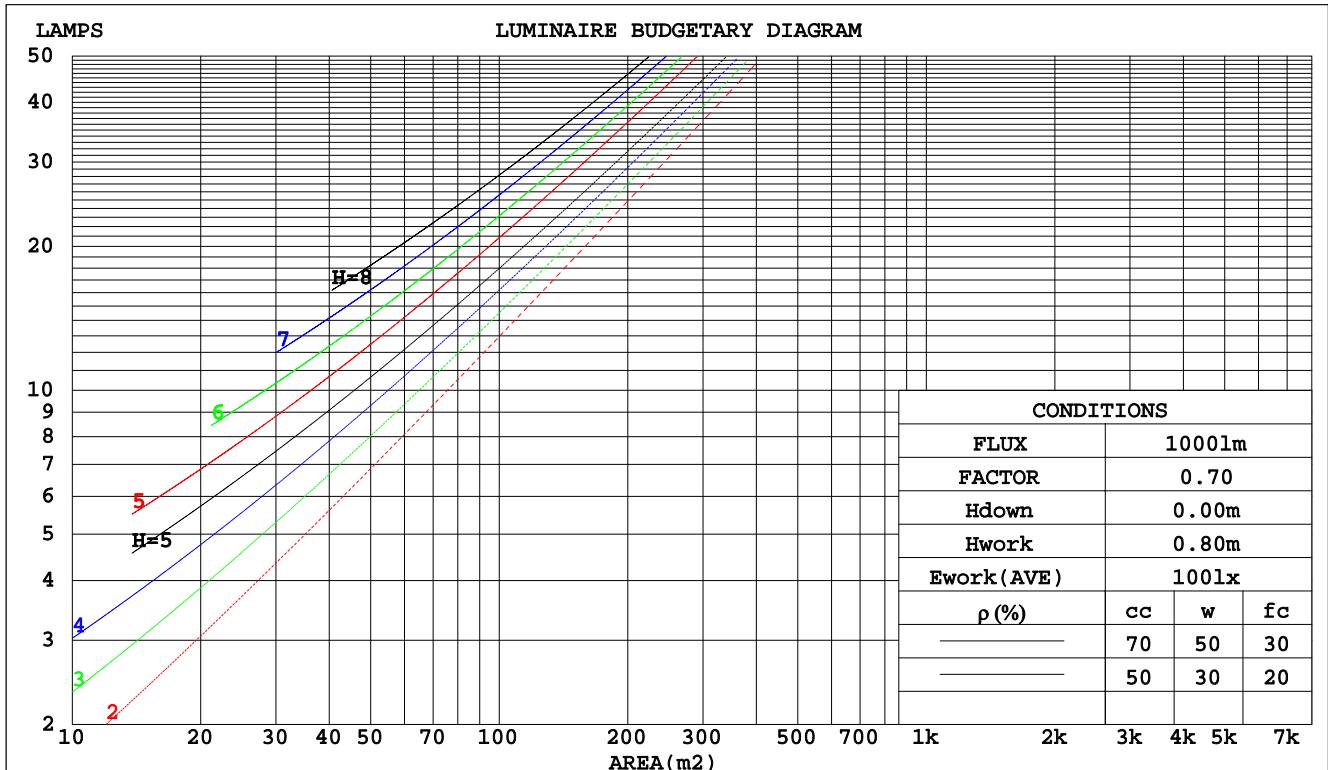
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-03

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:0.3020A P:60.10W PF:0.9745 Freq:49.99Hz Lamp Flux:7749.1lx1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D-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						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	1.08	1.05	1.02	1.06	1.03	1.01	1.02	.00	.98	.98	.96	.95	.95	.93	.92	.90
2.0	.98	.93	.89	.96	.92	.88	.93	.89	.86	.90	.87	.84	.87	.84	.82	.80
3.0	.89	.83	.78	.88	.82	.77	.85	.80	.76	.82	.78	.75	.80	.76	.73	.71
4.0	.81	.74	.69	.80	.73	.68	.77	.72	.67	.75	.70	.67	.73	.69	.66	.64
5.0	.74	.67	.61	.73	.66	.61	.71	.65	.60	.69	.64	.60	.67	.63	.59	.57
6.0	.68	.60	.55	.67	.60	.55	.65	.59	.54	.64	.58	.54	.62	.57	.53	.52
7.0	.62	.55	.49	.61	.54	.49	.60	.54	.49	.59	.53	.49	.57	.52	.48	.47
8.0	.57	.50	.45	.57	.50	.45	.55	.49	.45	.54	.49	.44	.53	.48	.44	.42
9.0	.53	.46	.41	.52	.46	.41	.51	.45	.41	.50	.45	.41	.49	.44	.40	.39
10.0	.49	.42	.38	.49	.42	.37	.48	.42	.37	.47	.41	.37	.46	.41	.37	.36



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:0.3020A P:60.10W PF:0.9745 Freq:49.99Hz Lamp Flux:7749.11x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D-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	.223	.127	.040	.216	.123	.039	.204	.117	.037	.192	.111	.036	.181	.105	.034	
2.0	.217	.119	.037	.211	.116	.036	.200	.111	.035	.190	.107	.033	.181	.102	.032	
3.0	.208	.111	.033	.203	.109	.033	.193	.105	.032	.184	.101	.031	.176	.097	.030	
4.0	.197	.103	.030	.193	.101	.030	.185	.098	.029	.177	.095	.029	.169	.092	.028	
5.0	.187	.095	.028	.183	.094	.027	.176	.092	.027	.169	.089	.027	.162	.087	.026	
6.0	.178	.089	.025	.174	.088	.025	.167	.086	.025	.161	.084	.025	.155	.082	.024	
7.0	.168	.083	.024	.165	.082	.023	.159	.081	.023	.154	.079	.023	.149	.077	.023	
8.0	.160	.078	.022	.157	.077	.022	.152	.076	.022	.147	.074	.021	.142	.073	.021	
9.0	.152	.074	.021	.150	.073	.020	.145	.072	.020	.140	.070	.020	.136	.069	.020	
10.0	.145	.069	.019	.142	.069	.019	.138	.068	.019	.134	.067	.019	.130	.065	.019	

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	.174	.157	.141	.149	.135	.122	.102	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.162	.132	.107	.139	.114	.093	.095	.079	.065	.055	.046	.038	.018	.015	.012	
3.0	.152	.114	.083	.131	.098	.072	.090	.068	.051	.052	.040	.030	.017	.013	.010	
4.0	.144	.100	.066	.124	.086	.057	.085	.060	.040	.049	.035	.024	.016	.011	.008	
5.0	.137	.089	.054	.117	.077	.047	.081	.054	.033	.047	.032	.020	.015	.010	.006	
6.0	.130	.080	.044	.112	.069	.039	.077	.049	.027	.045	.029	.016	.014	.009	.005	
7.0	.124	.073	.037	.107	.063	.033	.074	.044	.023	.043	.026	.014	.014	.009	.005	
8.0	.118	.067	.032	.102	.058	.028	.070	.041	.020	.041	.024	.012	.013	.008	.004	
9.0	.113	.062	.028	.097	.054	.024	.068	.038	.017	.039	.022	.010	.013	.007	.003	
10.0	.108	.058	.024	.093	.050	.021	.065	.035	.015	.038	.021	.009	.012	.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:0.3020A P:60.10W PF:0.9745 Freq:49.99Hz Lamp Flux:7749.1lx1 lm										
NAME: AOK-oH					TYPE:LED			WEIGHT:2.9KG		
SPEC.:AOK-60WoH-3030-120D-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	13.9	15.1	14.1	15.3	15.5	13.8	15.1	14.1	15.3	15.4
3H	13.8	15.0	14.1	15.2	15.4	13.8	14.9	14.1	15.2	15.4
4H	13.8	14.8	14.1	15.1	15.3	13.8	14.8	14.1	15.1	15.3
6H	13.7	14.7	14.0	14.9	15.2	13.7	14.7	14.0	14.9	15.2
8H	13.7	14.6	14.0	14.9	15.2	13.7	14.6	14.0	14.9	15.2
12H	13.6	14.5	14.0	14.8	15.1	13.6	14.5	14.0	14.8	15.1
4H 2H	13.9	15.0	14.2	15.2	15.4	13.8	14.9	14.1	15.1	15.4
3H	13.9	14.8	14.2	15.1	15.3	13.9	14.8	14.2	15.1	15.3
4H	13.8	14.6	14.2	14.9	15.3	13.8	14.6	14.2	14.9	15.3
6H	13.8	14.5	14.1	14.8	15.2	13.8	14.5	14.1	14.8	15.2
8H	13.7	14.4	14.1	14.8	15.1	13.7	14.4	14.1	14.8	15.1
12H	13.7	14.3	14.1	14.7	15.1	13.7	14.3	14.1	14.7	15.1
8H 4H	13.7	14.4	14.1	14.7	15.1	13.7	14.4	14.1	14.7	15.1
6H	13.7	14.2	14.1	14.6	15.0	13.7	14.2	14.1	14.6	15.0
8H	13.7	14.1	14.1	14.6	15.0	13.7	14.1	14.1	14.6	15.0
12H	13.7	14.1	14.1	14.5	15.0	13.7	14.1	14.1	14.5	15.0
12H 4H	13.7	14.3	14.1	14.6	15.0	13.7	14.3	14.1	14.6	15.0
6H	13.6	14.1	14.1	14.5	15.0	13.6	14.1	14.1	14.5	15.0
8H	13.6	14.0	14.1	14.5	15.0	13.6	14.0	14.1	14.5	15.0
Variations with the observer position at spacings:										
S = 1.0H	+ 1.4 / - 2.3					+ 1.3 / - 2.2				
1.5H	+ 2.3 / - 1.8					+ 2.2 / - 1.7				
2.0H	+ 2.2 / - 2.2					+ 2.3 / - 2.3				

CIE Pub.117, 7749 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 7.1$)

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:0.3020A P:60.10W PF:0.9745 Freq:49.99Hz Lamp Flux:7749.11x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:

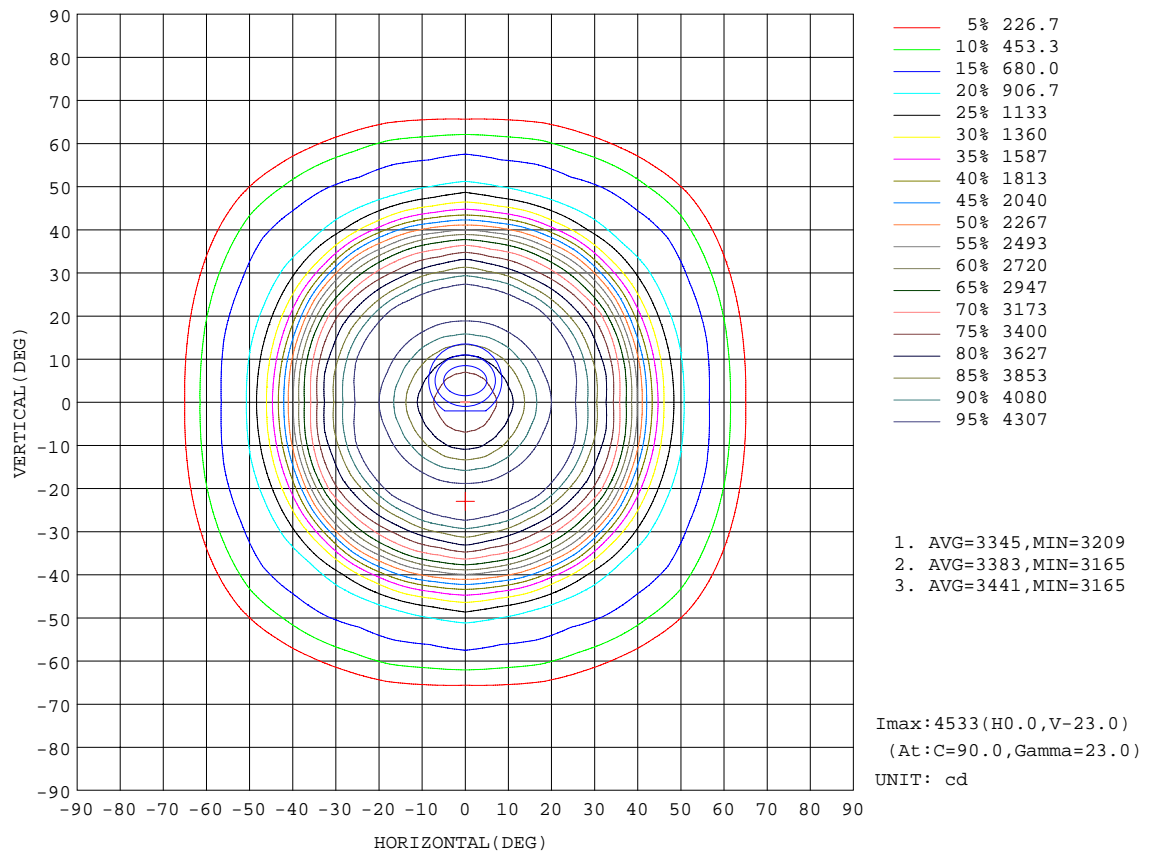
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	73	64	59	73	64	59	72	64	59	54
0.80	83	74	69	82	74	69	80	73	68	63
1.00	90	82	77	89	81	76	87	82	76	71
1.25	95	88	83	94	88	83	92	86	82	77
1.50	99	93	88	98	92	87	95	90	86	81
2.00	104	98	94	102	97	93	99	95	91	85
2.50	106	101	97	104	100	96	101	97	94	87
3.00	108	104	100	107	102	99	103	100	97	90
4.00	111	107	104	109	106	103	105	102	100	92
5.00	113	109	107	110	108	105	106	104	102	94
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:0.3020A P:60.10W PF:0.9745 Freq:49.99Hz Lamp Flux:7749.11x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D-PC	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

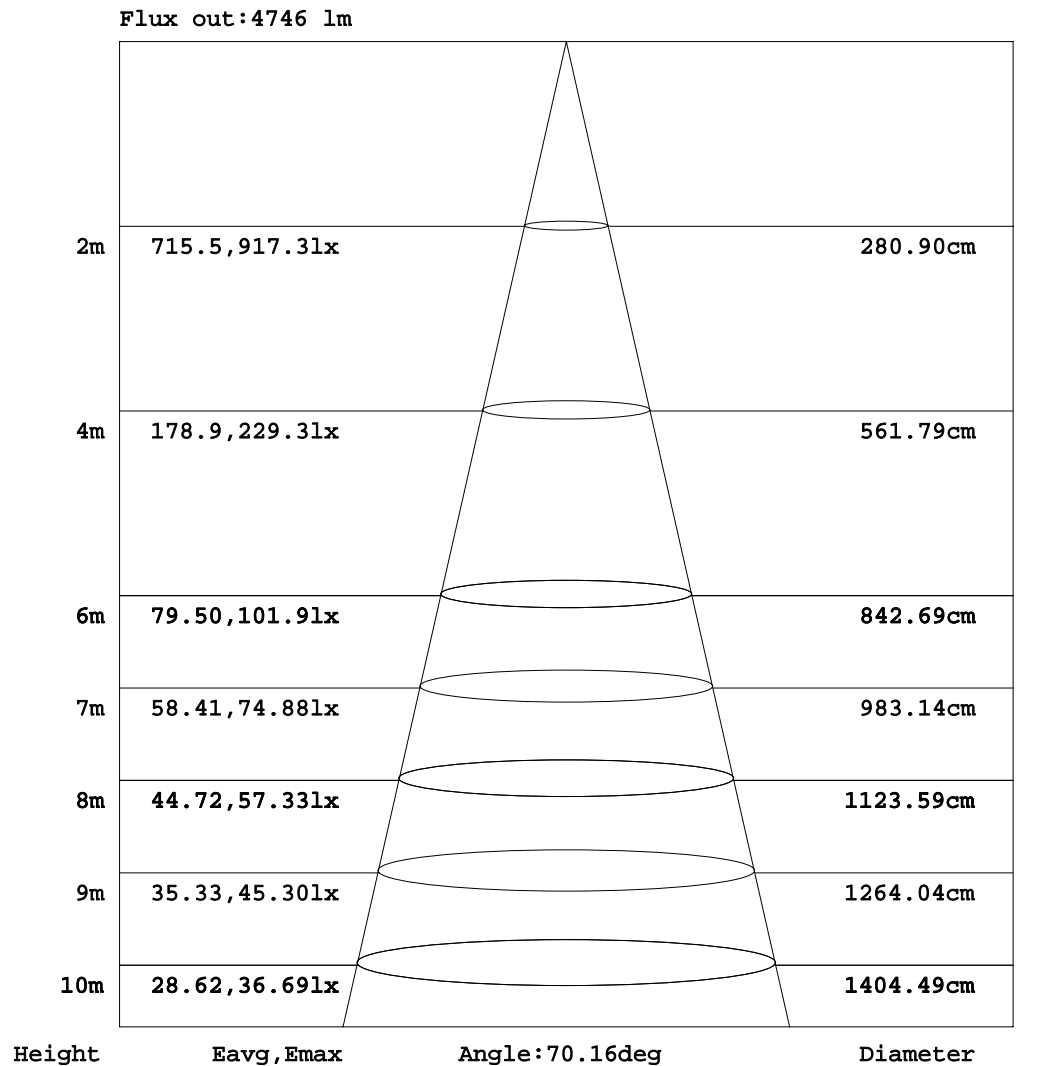


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-03

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:0.3020A P:60.10W PF:0.9745 Freq:49.99Hz Lamp Flux:7749.11x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:



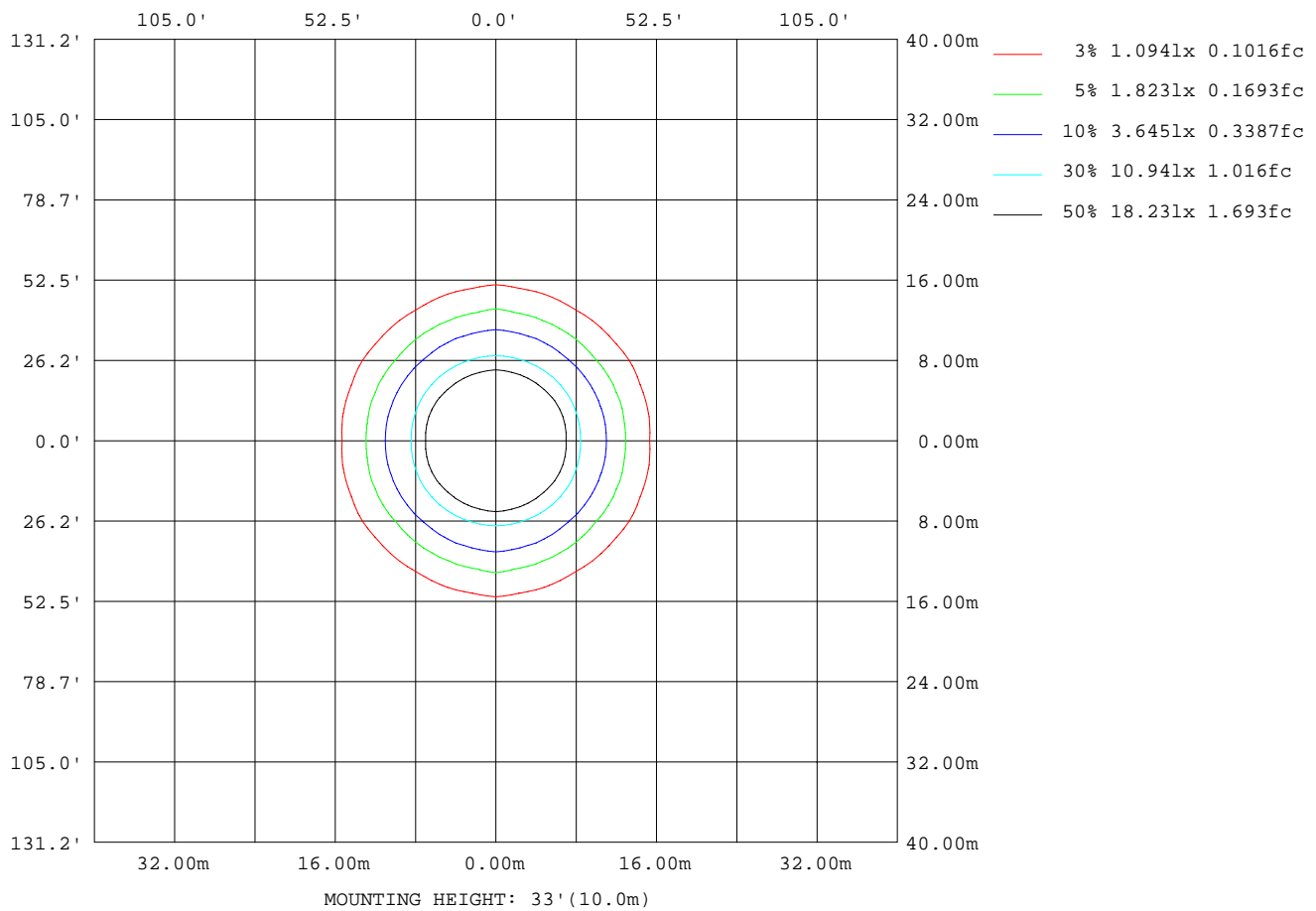
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.3020A P:60.10W PF:0.9745 Freq:49.99Hz Lamp Flux:7749.1lx1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D-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:0.3020A P:60.10W PF:0.9745 Freq:49.99Hz Lamp Flux:7749.11x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D-PC	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

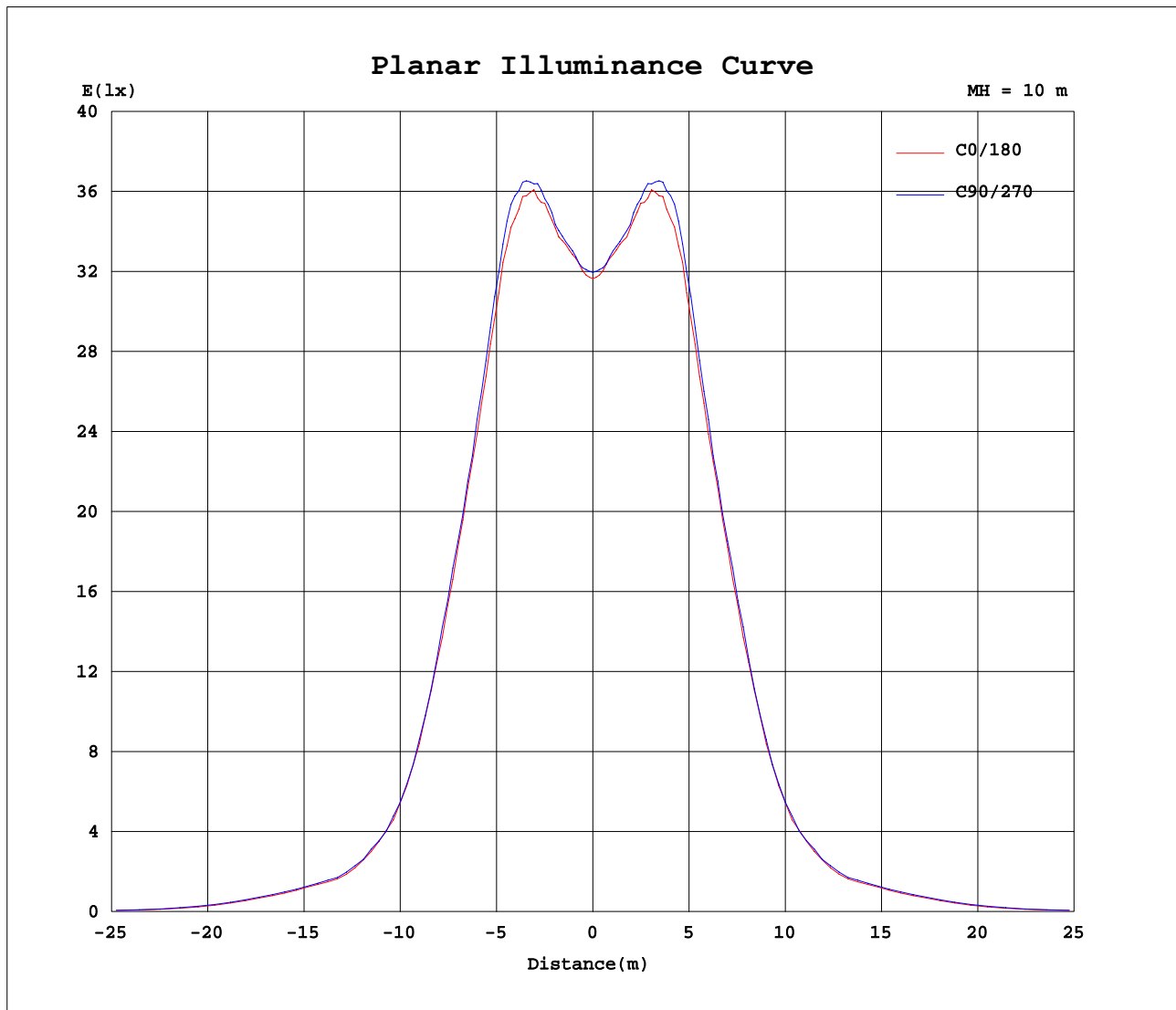
AvgL	cd/m2
L_0~180 (65) av	5433
L_0~180 (75) av	1953
L_0~180 (85) av	2374
L_90~270 (65) av	6224
L_90~270 (75) av	2025
L_90~270 (85) av	2512
L_45 (65) av	5775
L_45 (75) av	1921
L_45 (85) av	2406

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:0.3020A P:60.10W PF:0.9745 Freq:49.99Hz Lamp Flux:7749.11x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-120D-PC	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 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	3184	3184	3184	3184	3184	3184	3184	3184	3184	3184	3184	3184	3184	3184	3184	3184	3184	3184	3184
5	3323	3325	3327	3313	3308	3301	3303	3299	3306	3299	3306	3299	3303	3301	3308	3313	3327	3325	3323
10	3553	3555	3571	3573	3580	3572	3570	3557	3559	3551	3559	3557	3570	3572	3580	3573	3571	3555	3553
15	3958	3971	4003	3999	4004	4012	4007	3994	4014	3988	4014	3994	4007	4012	4004	3999	4003	3971	3958
20	4335	4344	4360	4359	4356	4352	4349	4363	4360	4378	4360	4363	4349	4352	4356	4359	4360	4344	4335
25	4388	4409	4396	4421	4408	4417	4401	4415	4419	4467	4419	4415	4401	4417	4408	4421	4396	4409	4388
30	3939	4006	4003	3990	3960	3962	3906	3935	3946	3992	3946	3935	3906	3962	3960	3990	4003	4006	3939
35	3335	3399	3428	3434	3391	3346	3296	3318	3327	3357	3327	3318	3296	3346	3391	3434	3428	3399	3335
40	2474	2521	2540	2578	2556	2539	2487	2502	2416	2471	2416	2502	2487	2539	2556	2578	2540	2521	2474
45	1553	1539	1525	1517	1479	1491	1462	1489	1494	1540	1494	1489	1462	1491	1479	1517	1525	1539	1553
50	981	991	944	947	898	918	911	912	937	982	937	912	911	918	898	947	944	991	981
55	727	726	738	740	720	719	709	719	711	751	711	719	709	719	720	740	738	726	727
60	548	564	561	569	548	547	534	566	553	577	553	566	534	547	548	569	561	564	548
65	230	248	254	265	244	248	256	284	271	263	271	284	256	248	244	265	254	248	230
70	84.4	82.8	88.4	86.1	87.6	89.7	93.8	92.2	89.4	89.2	89.4	92.2	93.8	89.7	87.6	86.1	88.4	82.8	84.4
75	50.5	50.7	50.7	50.6	49.7	50.0	51.5	53.0	52.0	52.4	52.0	53.0	51.5	50.0	49.7	50.6	50.7	50.7	50.5
80	32.5	32.9	32.7	33.1	32.3	32.8	33.3	34.1	33.5	34.0	33.5	34.1	33.3	32.8	32.3	33.1	32.7	32.9	32.5
85	20.7	20.9	20.6	20.9	20.7	21.3	21.4	21.8	21.7	21.9	21.7	21.8	21.4	21.3	20.7	20.9	20.6	20.9	20.7
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:0.3020A P:60.10W PF:0.9745 Freq:49.99Hz Lamp Flux:7749.11x1 lm																	
NAME: AOK-oH									TYPE:LED						WEIGHT:2.9KG		
SPEC.:AOK-60WoH-3030-120D-PC									DIM.: ϕ 0.248*0.138M						SERIAL No.:1		
MFR.: AOK									SUR.: ϕ 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	3184	3184	3184	3184	3184	3184	3184	3184	3184	3184	3184	3184	3184	3184	3184	3184	3184		
5	3325	3327	3313	3308	3301	3303	3299	3306	3299	3306	3299	3303	3301	3308	3313	3327	3325		
10	3555	3571	3573	3580	3572	3570	3557	3559	3551	3559	3557	3570	3572	3580	3573	3571	3555		
15	3971	4003	3999	4004	4012	4007	3994	4014	3988	4014	3994	4007	4012	4004	3999	4003	3971		
20	4344	4360	4359	4356	4352	4349	4363	4360	4378	4360	4363	4349	4352	4356	4359	4360	4344		
25	4409	4396	4421	4408	4417	4401	4415	4419	4467	4419	4415	4401	4417	4408	4421	4396	4409		
30	4006	4003	3990	3960	3962	3906	3935	3946	3992	3946	3935	3906	3962	3960	3990	4003	4006		
35	3399	3428	3434	3391	3346	3296	3318	3327	3357	3327	3318	3296	3346	3391	3434	3428	3399		
40	2521	2540	2578	2556	2539	2487	2502	2416	2471	2416	2502	2487	2539	2556	2578	2540	2521		
45	1539	1525	1517	1479	1491	1462	1489	1494	1540	1494	1489	1462	1491	1479	1517	1525	1539		
50	991	944	947	898	918	911	912	937	982	937	912	911	918	898	947	944	991		
55	726	738	740	720	719	709	719	711	751	711	719	709	719	720	740	738	726		
60	564	561	569	548	547	534	566	553	577	553	566	534	547	548	569	561	564		
65	248	254	265	244	248	256	284	271	263	271	284	256	248	244	265	254	248		
70	82.8	88.4	86.1	87.6	89.7	93.8	92.2	89.4	89.2	89.4	92.2	93.8	89.7	87.6	86.1	88.4	82.8		
75	50.7	50.7	50.6	49.7	50.0	51.5	53.0	52.0	52.4	52.0	53.0	51.5	50.0	49.7	50.6	50.7	50.7		
80	32.9	32.7	33.1	32.3	32.8	33.3	34.1	33.5	34.0	33.5	34.1	33.3	32.8	32.3	33.1	32.7	32.9		
85	20.9	20.6	20.9	20.7	21.3	21.4	21.8	21.7	21.9	21.7	21.8	21.4	21.3	20.7	20.9	20.6	20.9		
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: