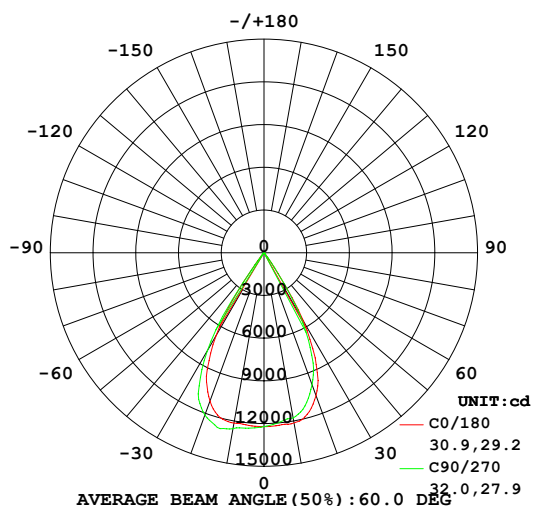


LUMINAIRE PHOTOMETRIC TEST REPORT

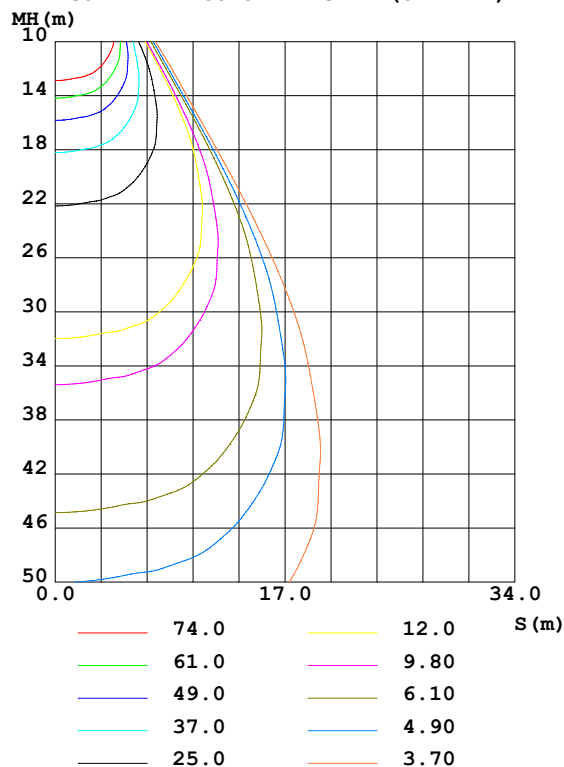
Test:U:220.0V I:0.2985A P:60.10W PF:0.9743 Freq:49.99Hz Lamp Flux:10334.3x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-60D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 171.95 lm/W			
MODEL	5050	I _{max} (cd)	12742	S/MH (C0/180)	0.90
NOMINAL POWER (W)	60	LOR (%)	100.0	S/MH (C90/270)	0.93
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	10334	η UP,DN (C0-180)	0.0,45.7
NOMINAL FLUX (lm)	10334.3	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,54.3
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	0.65

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:2018-01-08

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	1213	1191	1178	1192	1215	1243	1255	1247	0- 10	1160	1160	11.2,11.2
20	1068	1002	986.7	1030	1110	1185	1214	1166	10- 20	3322	4483	43.4,43.4
30	556.7	501.1	503.9	571.1	672.4	781.9	796.0	700.4	20- 30	4124	8607	83.3,83.3
40	20.37	19.64	24.12	27.40	31.98	33.67	30.58	25.19	30- 40	1496	10103	97.8,97.8
50	7.322	7.233	7.437	7.843	8.390	8.381	7.925	7.536	40- 50	104.3	10208	98.8,98.8
60	4.767	4.830	4.937	5.050	4.954	4.999	5.039	4.951	50- 60	54.12	10262	99.3,99.3
70	3.008	3.039	3.065	3.214	3.227	3.288	3.285	3.198	60- 70	40.26	10302	99.7,99.7
80	1.231	1.217	1.348	1.407	1.469	1.489	1.465	1.309	70- 80	23.71	10326	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	8.730	10334	100,100
100	0	0	0	0	0	0	0	0	90-100	0	10334	100,100
110	0	0	0	0	0	0	0	0	100-110	0	10334	100,100
120	0	0	0	0	0	0	0	0	110-120	0	10334	100,100
130	0	0	0	0	0	0	0	0	120-130	0	10334	100,100
140	0	0	0	0	0	0	0	0	130-140	0	10334	100,100
150	0	0	0	0	0	0	0	0	140-150	0	10334	100,100
160	0	0	0	0	0	0	0	0	150-160	0	10334	100,100
170	0	0	0	0	0	0	0	0	160-170	0	10334	100,100
180	0	0	0	0	0	0	0	0	170-180	0	10334	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 10168 lm

%lum = 98.4%

%lamp = 98.4%

Conical surface Flux(120deg): 10262 lm

%lum = 99.3%

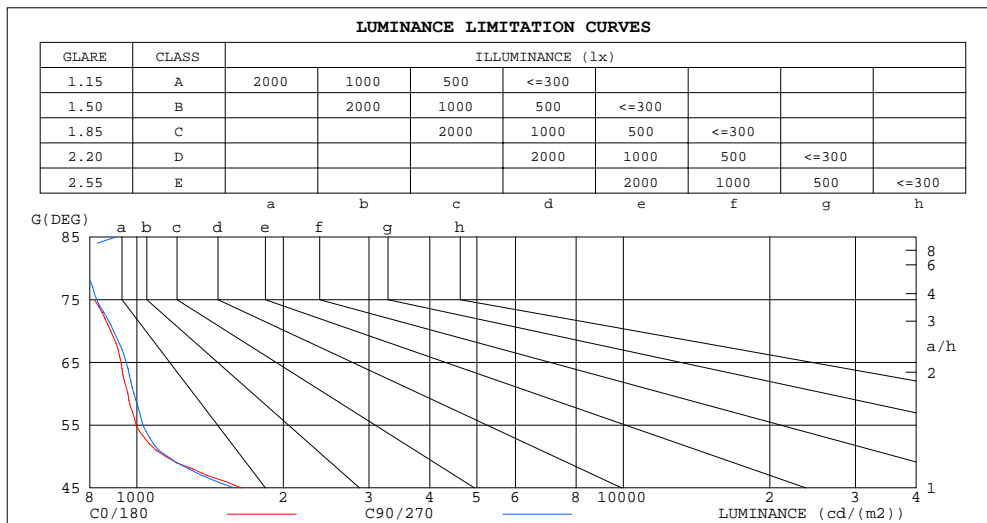
%lamp = 99.3%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-08

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:220.0V I:0.2985A P:60.10W PF:0.9743 Freq:49.99Hz Lamp Flux:10334.3x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-60D-PC	DIM.: $\phi 0.248 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16\text{M}$	Shielding Angle:



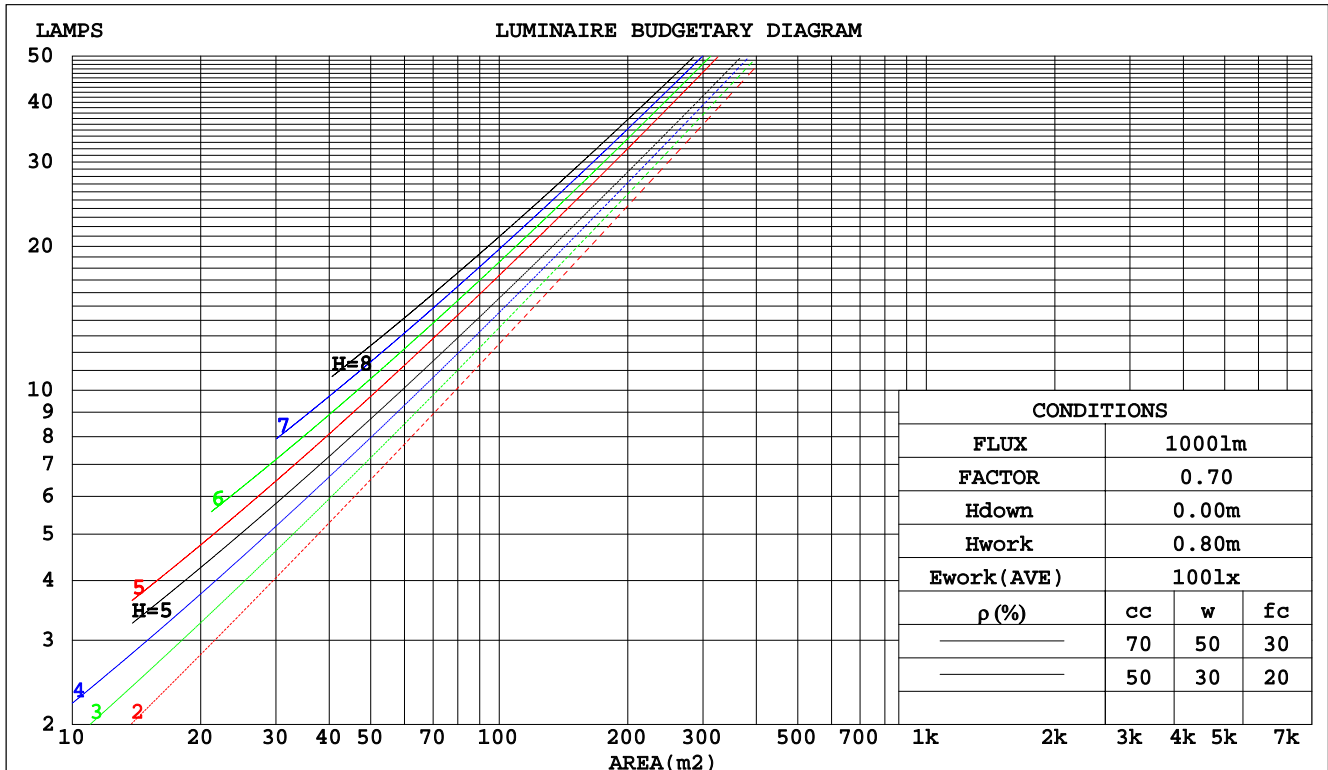
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-08

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:0.2985A P:60.10W PF:0.9743 Freq:49.99Hz Lamp Flux:10334.3x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-60D-PC	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	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	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.00	.99	.98	.97	.96	.94
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.93	.92	.90	.88
3.0	.98	.93	.89	.96	.92	.89	.94	.90	.87	.91	.88	.86	.89	.87	.84	.83
4.0	.92	.87	.83	.91	.86	.82	.89	.85	.81	.87	.83	.80	.85	.82	.79	.78
5.0	.87	.81	.77	.86	.81	.77	.84	.79	.76	.82	.78	.75	.81	.77	.75	.73
6.0	.82	.76	.72	.81	.76	.72	.79	.75	.71	.78	.74	.71	.77	.73	.70	.69
7.0	.77	.72	.68	.77	.71	.68	.75	.71	.67	.74	.70	.67	.73	.69	.67	.65
8.0	.73	.68	.64	.73	.67	.64	.72	.67	.63	.71	.66	.63	.70	.66	.63	.62
9.0	.69	.64	.60	.69	.64	.60	.68	.63	.60	.67	.63	.60	.66	.62	.60	.58
10.0	.66	.61	.57	.66	.60	.57	.65	.60	.57	.64	.60	.57	.63	.59	.56	.55



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-08

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:0.2985A P:60.10W PF:0.9743 Freq:49.99Hz Lamp Flux:10334.3x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-60D-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	.170	.097	.031	.163	.093	.030	.151	.086	.028	.139	.080	.026	.128	.074	.024		
2.0	.161	.088	.027	.156	.086	.026	.145	.081	.025	.135	.076	.024	.126	.071	.023		
3.0	.153	.081	.024	.148	.079	.024	.139	.075	.023	.131	.072	.022	.123	.068	.021		
4.0	.145	.076	.022	.141	.074	.022	.134	.071	.021	.126	.068	.020	.120	.065	.020		
5.0	.138	.071	.020	.135	.069	.020	.128	.067	.020	.122	.064	.019	.116	.062	.019		
6.0	.132	.066	.019	.129	.065	.019	.123	.063	.018	.118	.061	.018	.113	.059	.018		
7.0	.127	.063	.018	.124	.062	.018	.119	.060	.017	.114	.058	.017	.109	.057	.017		
8.0	.121	.059	.017	.119	.059	.017	.114	.057	.016	.110	.056	.016	.106	.054	.016		
9.0	.117	.056	.016	.114	.056	.016	.110	.055	.015	.106	.053	.015	.103	.052	.015		
10.0	.112	.054	.015	.110	.053	.015	.106	.052	.015	.103	.051	.015	.100	.050	.014		

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	.146	.135	.125	.100	.093	.087	.057	.054	.050	.018	.017	.016	
2.0	.155	.133	.114	.133	.114	.098	.091	.079	.069	.052	.046	.040	.017	.015	.013	
3.0	.142	.114	.091	.122	.098	.079	.084	.068	.055	.048	.040	.033	.016	.013	.011	
4.0	.131	.099	.074	.113	.085	.064	.077	.059	.045	.045	.035	.027	.014	.011	.009	
5.0	.122	.087	.061	.105	.075	.053	.072	.053	.037	.042	.031	.022	.014	.010	.007	
6.0	.115	.078	.051	.099	.067	.044	.068	.047	.031	.039	.028	.019	.013	.009	.006	
7.0	.108	.070	.043	.093	.061	.038	.064	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.102	.064	.037	.088	.055	.032	.061	.039	.023	.036	.023	.014	.011	.007	.005	
9.0	.097	.058	.032	.084	.051	.028	.058	.036	.020	.034	.021	.012	.011	.007	.004	
10.0	.093	.054	.028	.080	.047	.024	.056	.033	.017	.032	.019	.010	.011	.006	.003	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-08

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:0.2985A P:60.10W PF:0.9743 Freq:49.99Hz Lamp Flux:10334.3x1 lm											
NAME: AOK-oH					TYPE:LED			WEIGHT:2.9KG			
SPEC.:AOK-60WoH-5050-60D-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	2H	3.9	4.8	4.2	5.0	5.2	3.0	3.9	3.2	4.1	4.2
	3H	3.9	4.7	4.1	4.9	5.1	3.0	3.8	3.2	4.0	4.2
	4H	3.8	4.6	4.1	4.8	5.0	2.9	3.7	3.2	3.9	4.1
	6H	3.8	4.5	4.1	4.7	5.0	2.9	3.6	3.2	3.9	4.1
	8H	3.8	4.5	4.1	4.7	5.0	2.9	3.6	3.2	3.8	4.1
	12H	3.7	4.4	4.0	4.7	4.9	2.9	3.5	3.2	3.8	4.1
4H	2H	3.7	4.5	4.0	4.7	4.9	2.8	3.6	3.1	3.8	4.0
	3H	3.7	4.4	4.0	4.6	4.9	2.8	3.5	3.1	3.7	4.0
	4H	3.7	4.3	4.0	4.6	4.9	2.8	3.4	3.2	3.7	4.0
	6H	3.6	4.2	4.0	4.5	4.9	2.8	3.3	3.2	3.7	4.0
	8H	3.6	4.1	4.0	4.5	4.8	2.8	3.3	3.2	3.7	4.0
	12H	3.6	4.1	4.0	4.4	4.8	2.8	3.3	3.2	3.6	4.0
8H	4H	3.6	4.1	4.0	4.4	4.8	2.7	3.2	3.1	3.6	3.9
	6H	3.6	4.0	4.0	4.4	4.8	2.8	3.2	3.2	3.6	4.0
	8H	3.5	3.9	4.0	4.3	4.8	2.8	3.1	3.2	3.5	4.0
	12H	3.6	3.9	4.0	4.3	4.8	2.8	3.1	3.3	3.5	4.0
12H	4H	3.5	4.0	3.9	4.3	4.7	2.7	3.1	3.1	3.5	3.9
	6H	3.5	3.9	4.0	4.3	4.7	2.7	3.1	3.2	3.5	3.9
	8H	3.5	3.8	4.0	4.3	4.7	2.7	3.0	3.2	3.5	4.0
Variations with the observer position at spacings:											
S = 1.0H	+ 2.8 / - 1.4					+ 3.0 / - 1.8					
1.5H	+ 4.7 / - 1.3					+ 5.2 / - 1.7					
2.0H	+ 0.8 / - 0.4					+ 0.7 / - 0.4					

CIE Pub.117, 10334 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 8.1$)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-08

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:0.2985A P:60.10W PF:0.9743 Freq:49.99Hz Lamp Flux:10334.3x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-60D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:

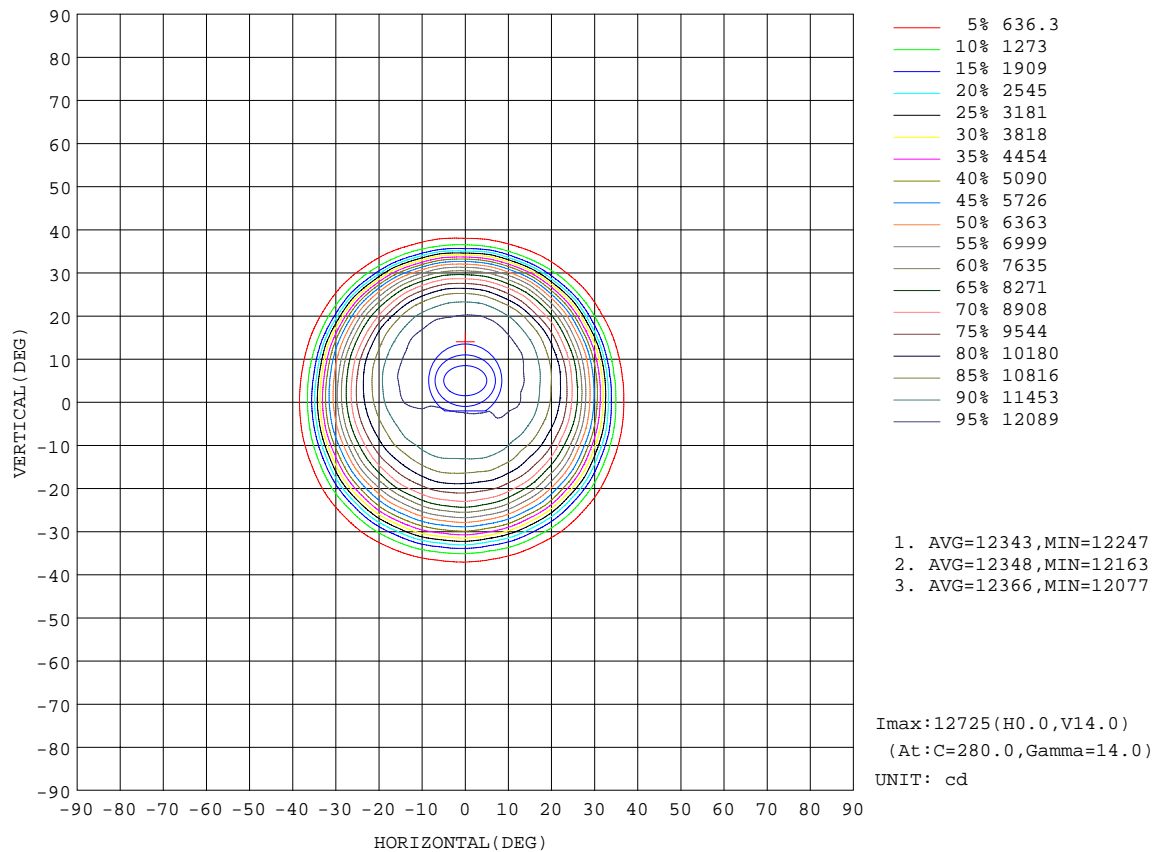
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	90	84	81	90	84	81	89	84	81	77
0.80	97	92	88	97	92	88	95	91	88	85
1.00	101	96	93	100	95	92	99	95	92	88
1.25	105	100	97	104	99	96	102	98	96	92
1.50	107	103	100	106	102	99	104	101	98	94
2.00	109	106	103	108	105	102	105	103	100	95
2.50	111	107	105	109	106	104	106	104	102	96
3.00	112	109	107	111	108	106	107	105	103	97
4.00	114	112	110	112	110	108	109	107	106	99
5.00	116	113	112	113	112	110	109	108	107	100
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:2018-01-08

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:0.2985A P:60.10W PF:0.9743 Freq:49.99Hz Lamp Flux:10334.3x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-60D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:



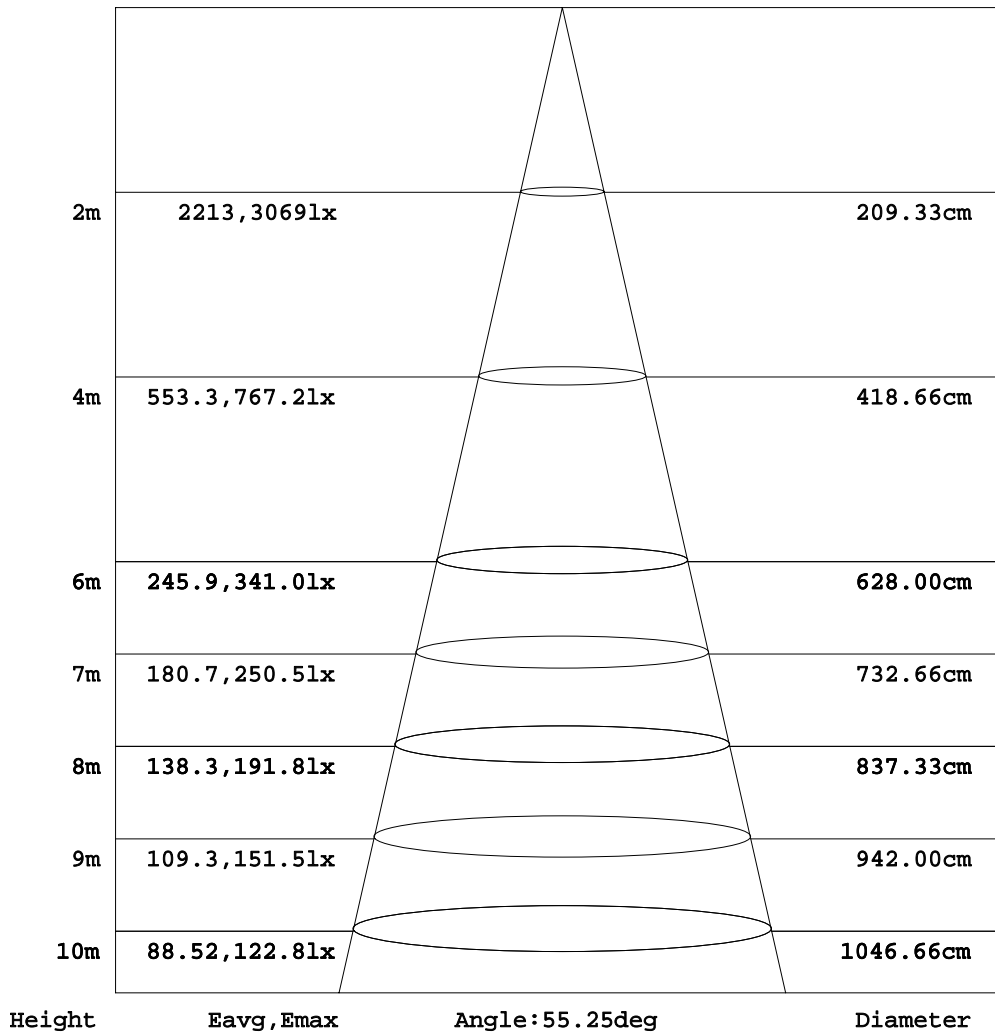
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-08

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:0.2985A P:60.10W PF:0.9743 Freq:49.99Hz Lamp Flux:10334.3x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-60D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:

Flux out:7863 lm



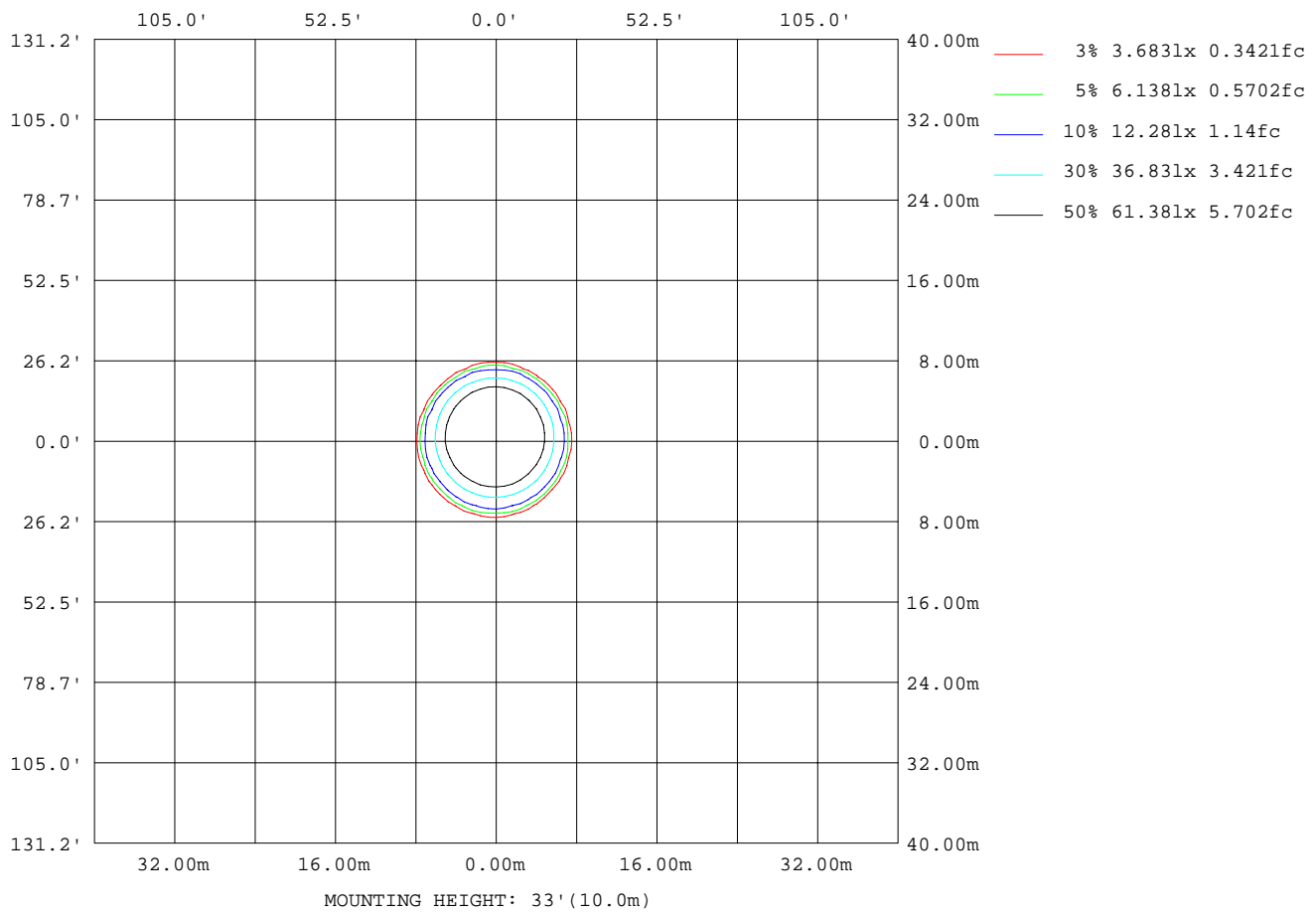
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-01-08

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:0.2985A P:60.10W PF:0.9743 Freq:49.99Hz Lamp Flux:10334.3x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-60D-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:2018-01-08

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:0.2985A P:60.10W PF:0.9743 Freq:49.99Hz Lamp Flux:10334.3x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-60D-PC	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

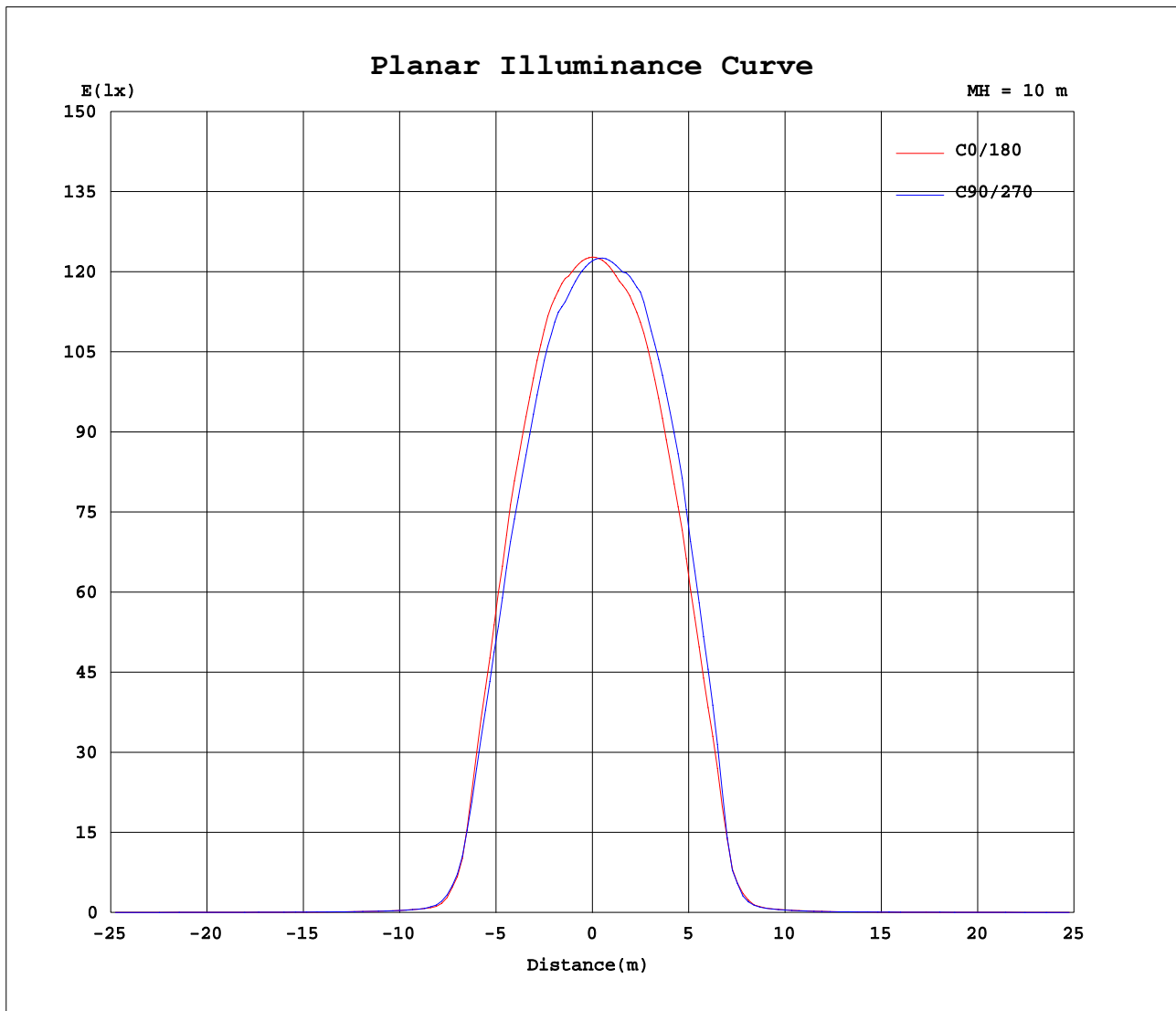
AvgL	cd/m2
L_0~180 (65) av	945
L_0~180 (75) av	856
L_0~180 (85) av	892
L_90~270 (65) av	968
L_90~270 (75) av	870
L_90~270 (85) av	919
L_45 (65) av	967
L_45 (75) av	865
L_45 (85) av	890

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-08

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: 2018-01-08

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:0.2985A P:60.10W PF:0.9743 Freq:49.99Hz Lamp Flux:10334.3x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-60D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	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	1221	1221	1221	1221	1221	1221	1221	1221	1221	1221	1221	1221	1221	1221	1221	1221	1221	1221	1221
5	1216	1213	1209	1206	1203	1201	1199	1198	1197	1197	1197	1198	1200	1202	1204	1208	1211	1215	1218
10	1213	1207	1203	1198	1192	1189	1186	1181	1178	1178	1177	1182	1188	1191	1194	1199	1203	1209	1215
15	1174	1163	1151	1142	1127	1128	1123	1121	1113	1114	1120	1131	1138	1144	1150	1164	1172	1187	1198
20	1068	1053	1031	1020	1003	1000	991	992	984	987	994	1006	1012	1023	1037	1060	1072	1092	1110
25	867	851	824	808	787	787	782	785	782	792	793	809	816	843	855	886	906	939	957
30	557	542	514	513	499	503	481	492	488	504	510	528	541	563	579	599	619	649	672
35	122	123	117	120	119	120	118	127	122	132	134	149	152	168	172	194	202	220	249
40	20.4	19.7	19.1	19.5	19.4	19.9	19.6	20.6	20.9	24.1	21.7	25.8	23.6	29.2	25.6	32.1	27.6	30.9	32.0
45	11.5	11.4	10.9	10.9	10.7	10.9	10.8	11.0	10.9	11.2	11.2	11.5	11.6	12.1	12.7	13.3	13.4	13.7	14.0
50	7.32	7.34	7.25	7.20	7.19	7.28	7.23	7.31	7.28	7.44	7.40	7.43	7.46	7.69	8.00	8.29	8.17	8.30	8.39
55	5.69	5.80	5.78	5.75	5.73	5.77	5.85	5.87	5.85	5.90	5.85	5.83	5.77	5.95	6.16	6.33	6.17	5.98	5.98
60	4.77	4.83	4.86	4.84	4.81	4.85	4.92	4.93	4.89	4.94	4.93	4.90	4.85	4.98	5.11	5.26	5.14	5.01	4.95
65	3.90	3.92	3.93	3.92	3.93	3.97	4.00	4.03	4.00	4.02	4.02	4.02	4.01	4.06	4.18	4.29	4.21	4.14	4.09
70	3.01	2.99	2.99	3.00	3.00	3.08	3.06	3.09	3.06	3.07	3.09	3.14	3.15	3.17	3.25	3.34	3.32	3.28	3.23
75	2.10	2.08	2.05	2.05	2.06	2.12	2.11	2.15	2.13	2.14	2.18	2.21	2.22	2.26	2.28	2.34	2.34	2.34	2.33
80	1.23	1.22	1.20	1.21	1.20	1.24	1.24	1.27	1.28	1.35	1.38	1.39	1.37	1.41	1.41	1.42	1.43	1.46	1.47
85	0.73	0.74	0.73	0.73	0.72	0.73	0.73	0.75	0.76	0.79	0.79	0.80	0.79	0.81	0.80	0.81	0.81	0.82	0.82
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: 2018-01-08

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:0.2985A P:60.10W PF:0.9743 Freq:49.99Hz Lamp Flux:10334.3x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-60D-PC	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	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	1221	1221	1221	1221	1221	1221	1221	1221	1221	1221	1221	1221	1221	1221	1221	1221	1221		
5	1221	1225	1228	1231	1233	1235	1236	1237	1237	1236	1235	1234	1231	1229	1226	1223	1220		
10	1224	1232	1239	1242	1245	1244	1248	1248	1255	1256	1255	1251	1249	1245	1234	1228	1220		
15	1209	1223	1230	1240	1252	1260	1265	1262	1269	1271	1271	1253	1244	1239	1217	1205	1189		
20	1129	1150	1164	1176	1195	1202	1214	1210	1214	1216	1207	1190	1173	1160	1137	1117	1088		
25	981	1009	1028	1053	1068	1087	1093	1100	1094	1086	1062	1045	1012	988	958	933	898		
30	689	726	743	782	782	806	802	814	796	795	764	753	712	689	645	630	588		
35	241	286	277	310	289	312	285	299	255	274	219	205	176	167	148	144	127		
40	31.6	34.1	32.5	34.5	32.8	34.5	32.8	33.3	30.6	29.8	26.8	29.3	24.4	25.9	21.9	21.7	21.1		
45	14.3	14.4	14.1	14.2	13.8	14.1	13.8	13.9	13.3	13.3	13.0	12.8	12.5	12.3	12.2	12.0	11.8		
50	8.53	8.68	8.60	8.54	8.23	8.15	8.11	8.20	7.92	7.78	7.72	7.82	7.63	7.44	7.26	7.38	7.49		
55	6.06	6.21	6.22	6.08	5.92	6.02	6.09	6.13	5.99	5.92	5.92	6.02	5.92	5.74	5.58	5.70	5.79		
60	4.98	5.09	5.13	5.07	4.93	5.03	5.10	5.14	5.04	4.98	4.99	5.07	5.01	4.89	4.71	4.77	4.79		
65	4.10	4.16	4.21	4.21	4.10	4.18	4.20	4.23	4.16	4.14	4.12	4.18	4.17	4.06	3.89	3.89	3.90		
70	3.22	3.25	3.30	3.32	3.26	3.30	3.29	3.32	3.28	3.28	3.24	3.28	3.25	3.15	3.03	3.01	3.01		
75	2.31	2.34	2.37	2.39	2.36	2.37	2.36	2.39	2.36	2.36	2.32	2.32	2.26	2.18	2.11	2.10	2.11		
80	1.47	1.48	1.47	1.49	1.49	1.49	1.47	1.48	1.47	1.46	1.43	1.40	1.32	1.29	1.26	1.25	1.24		
85	0.83	0.84	0.82	0.83	0.82	0.82	0.81	0.82	0.81	0.81	0.78	0.77	0.75	0.74	0.74	0.74	0.74		
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:2018-01-08

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: