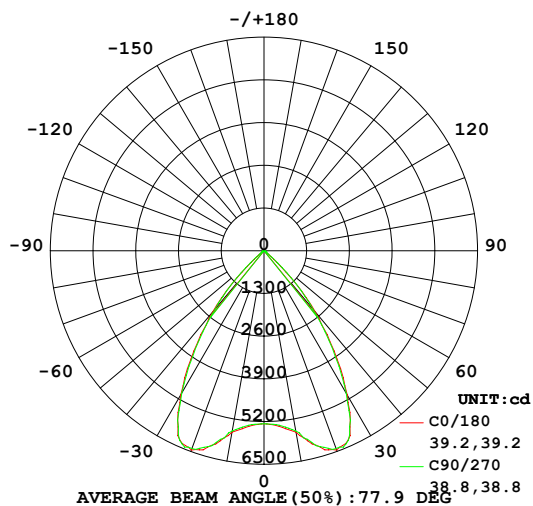


LUMINAIRE PHOTOMETRIC TEST REPORT

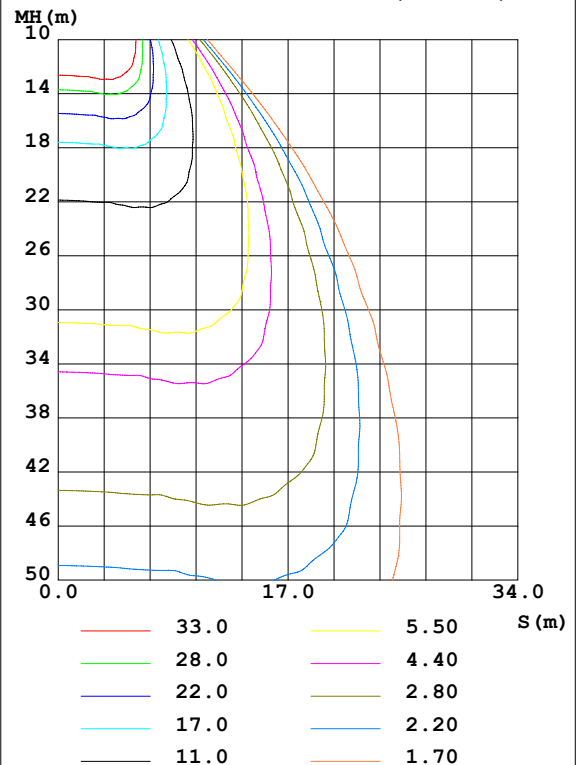
Test:U:220.2V I:0.2947A P:60.10W PF:0.9732 Freq:49.99Hz Lamp Flux:8296.44x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-90D-PC	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 138.04 lm/W			
MODEL	3030	I _{max} (cd)	6458	S/MH (C0/180)	1.13
NOMINAL POWER (W)	60	LOR (%)	100.0	S/MH (C90/270)	1.12
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	8296.4	η UP,DN (C0-180)	0.0,50.0
NOMINAL FLUX (lm)	8296.44	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	5606	5597	5569	5597	5606	5597	5569	5597	0- 10	518.6	518.6	6.25,6.25
20	6452	6451	6407	6451	6452	6451	6407	6451	10- 20	1738	2256	27.2,27.2
30	5066	4949	5012	4949	5066	4949	5012	4949	20- 30	2747	5003	60.3,60.3
40	2413	2205	2314	2205	2413	2205	2314	2205	30- 40	2223	7226	87.1,87.1
50	279.6	282.0	324.6	282.0	279.6	282.0	324.6	282.0	40- 50	863.7	8090	97.5,97.5
60	60.83	62.81	65.18	62.81	60.83	62.81	65.18	62.81	50- 60	104.6	8194	98.8,98.8
70	41.64	41.14	42.64	41.14	41.64	41.14	42.64	41.14	60- 70	50.91	8245	99.4,99.4
80	23.33	22.93	23.94	22.93	23.33	22.93	23.94	22.93	70- 80	34.48	8280	99.8,99.8
90	0	0	0	0	0	0	0	0	80- 90	16.92	8296	100,100
100	0	0	0	0	0	0	0	0	90-100	0	8296	100,100
110	0	0	0	0	0	0	0	0	100-110	0	8296	100,100
120	0	0	0	0	0	0	0	0	110-120	0	8296	100,100
130	0	0	0	0	0	0	0	0	120-130	0	8296	100,100
140	0	0	0	0	0	0	0	0	130-140	0	8296	100,100
150	0	0	0	0	0	0	0	0	140-150	0	8296	100,100
160	0	0	0	0	0	0	0	0	150-160	0	8296	100,100
170	0	0	0	0	0	0	0	0	160-170	0	8296	100,100
180	0	0	0	0	0	0	0	0	170-180	0	8296	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 7839.8 lm

%lum = 94.5%

%lamp = 94.5%

Conical surface Flux(120deg): 8194.1 lm

%lum = 98.8%

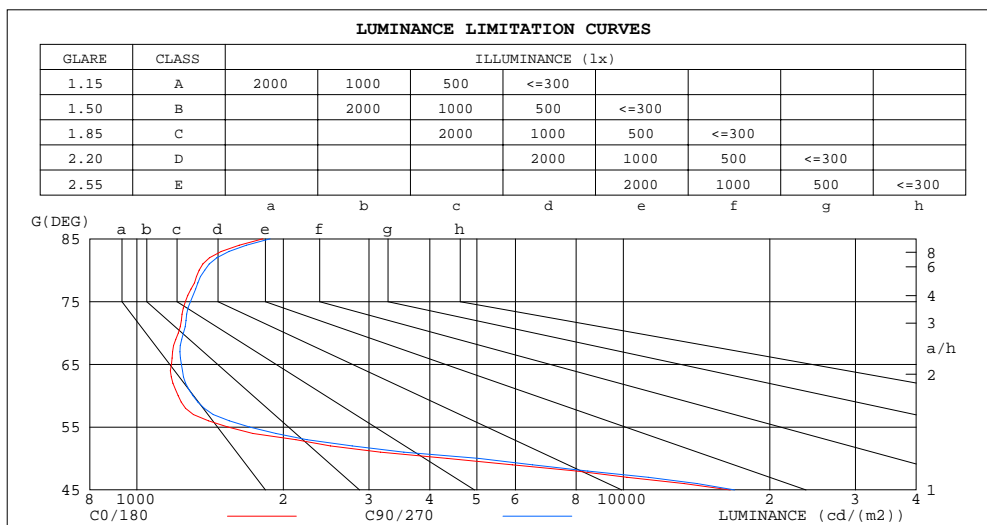
%lamp = 98.8%

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
 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:220.2V I:0.2947A P:60.10W PF:0.9732 Freq:49.99Hz Lamp Flux:8296.44x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-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:



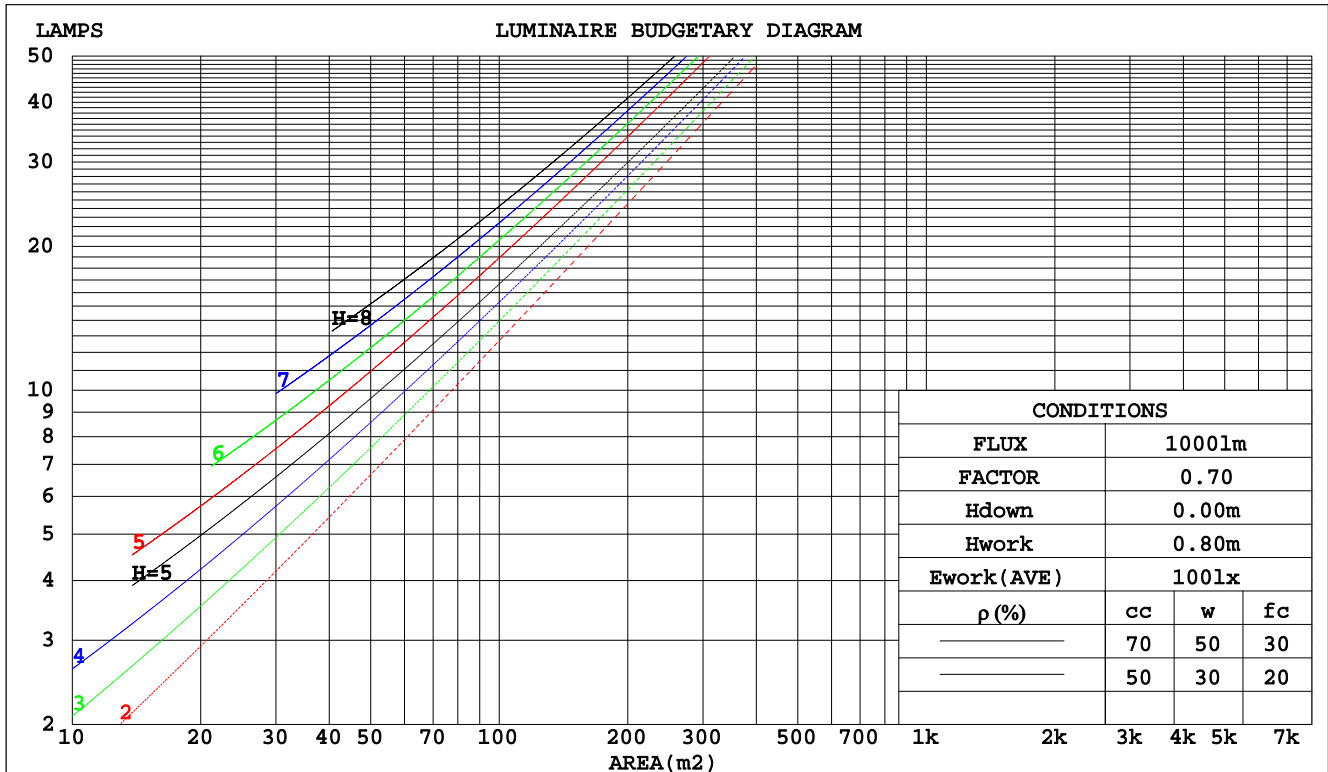
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-01-03

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:220.2V I:0.2947A P:60.10W PF:0.9732 Freq:49.99Hz Lamp Flux:8296.44x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-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:

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	.80	.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	.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:220.2V I:0.2947A P:60.10W PF:0.9732 Freq:49.99Hz Lamp Flux:8296.44x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-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	.188	.107	.034	.175	.100	.032	.163	.094	.030	.152	.088	.028	
2.0	.187	.102	.031	.181	.100	.031	.171	.095	.029	.161	.090	.028	.151	.086	.027	
3.0	.179	.095	.028	.174	.093	.028	.165	.089	.027	.156	.085	.026	.148	.082	.025	
4.0	.171	.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	.135	.071	.021	
7.0	.149	.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	.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	.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:220.2V I:0.2947A P:60.10W PF:0.9732 Freq:49.99Hz Lamp Flux:8296.44x1 lm										
NAME: AOK-oH					TYPE:LED			WEIGHT:2.9KG		
SPEC.:AOK-60WoH-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	12.3
3H	10.9	11.9	11.2	12.1	12.3	10.7	11.7	11.0	11.9	12.1
4H	10.9	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	10.8	11.6	11.1	11.8	12.1	10.5	11.4	10.8	11.6	11.9
12H	10.7	11.5	11.1	11.8	12.1	10.5	11.3	10.8	11.6	11.8
4H 2H	10.8	11.7	11.1	12.0	12.2	10.6	11.5	10.9	11.7	12.0
3H	10.7	11.5	11.0	11.7	12.0	10.5	11.2	10.8	11.5	11.8
4H	10.6	11.3	11.0	11.6	11.9	10.4	11.1	10.8	11.4	11.7
6H	10.6	11.2	11.0	11.5	11.9	10.4	11.0	10.7	11.3	11.7
8H	10.6	11.1	11.0	11.5	11.9	10.3	10.9	10.7	11.3	11.6
12H	10.5	11.1	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	11.8	10.3	10.7	10.7	11.1	11.5
8H	10.5	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	11.3	11.7	10.3	10.6	10.7	11.1	11.5
12H 4H	10.5	11.0	10.9	11.4	11.8	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 / - 9.0					+ 2.8 / - 8.6				
1.5H	+ 4.9 / - 9.0					+ 4.8 / - 8.8				
2.0H	+ 7.3 / - 4.6					+ 7.4 / - 4.4				

CIE Pub.117, 8296 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 7.4$)

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:

UTILIZATION FACTORS TABLE

Test:U:220.2V I:0.2947A P:60.10W PF:0.9732 Freq:49.99Hz Lamp Flux:8296.44x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-90D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:

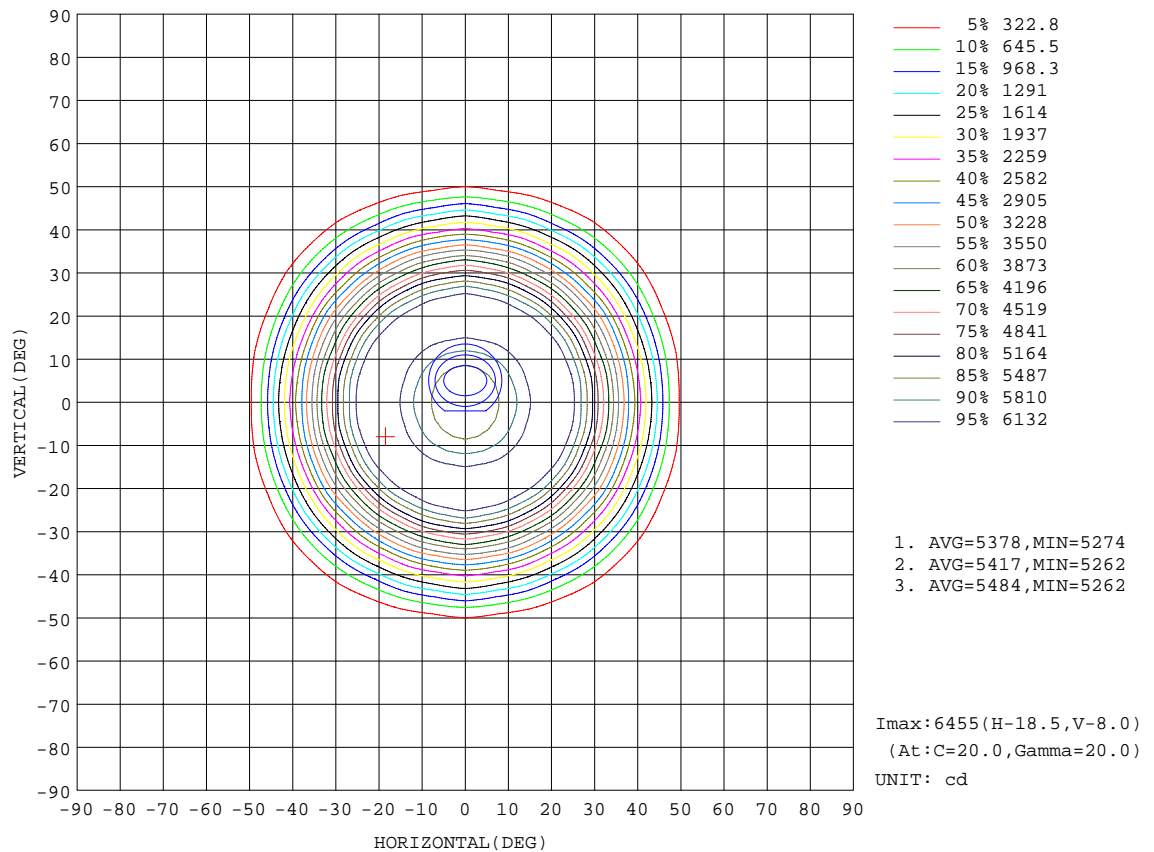
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	83	76	72	83	76	72	82	76	72	68
0.80	92	85	81	91	85	81	90	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:220.2V I:0.2947A P:60.10W PF:0.9732 Freq:49.99Hz Lamp Flux:8296.44x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-90D-PC	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

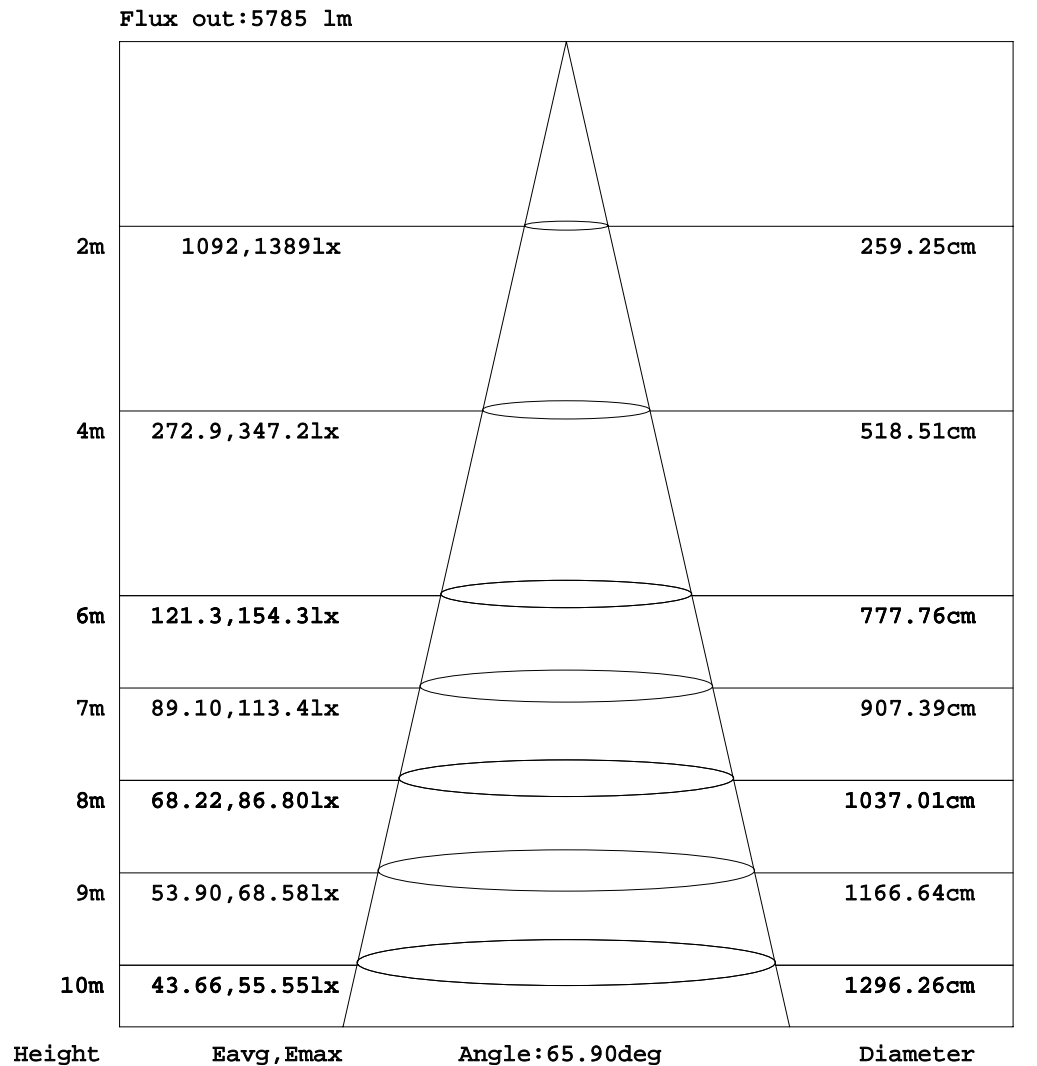


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-03

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:220.2V I:0.2947A P:60.10W PF:0.9732 Freq:49.99Hz Lamp Flux:8296.44x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-90D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:



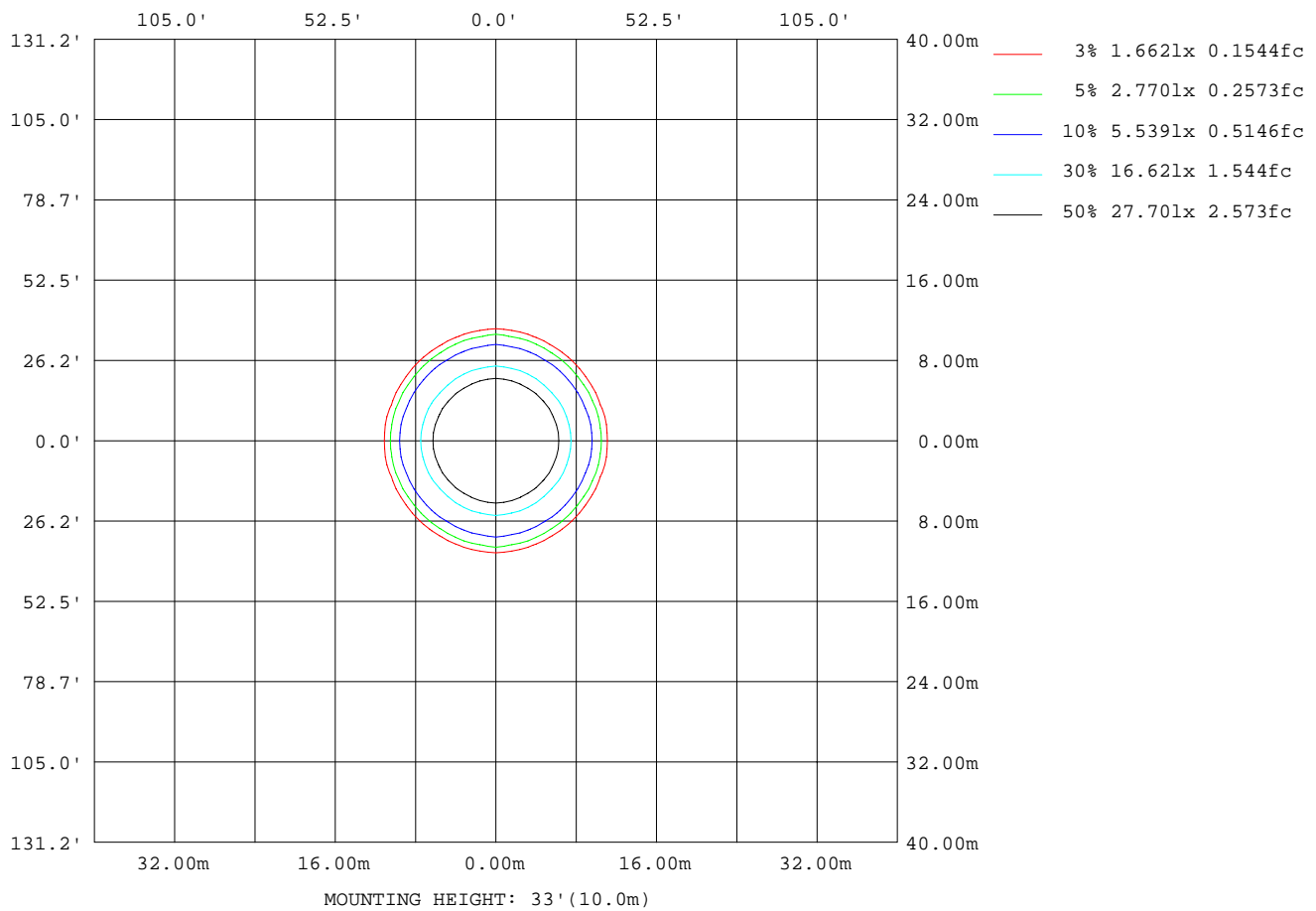
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:220.2V I:0.2947A P:60.10W PF:0.9732 Freq:49.99Hz Lamp Flux:8296.44x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-90D-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:2018-01-03

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:220.2V I:0.2947A P:60.10W PF:0.9732 Freq:49.99Hz Lamp Flux:8296.44x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-90D-PC	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

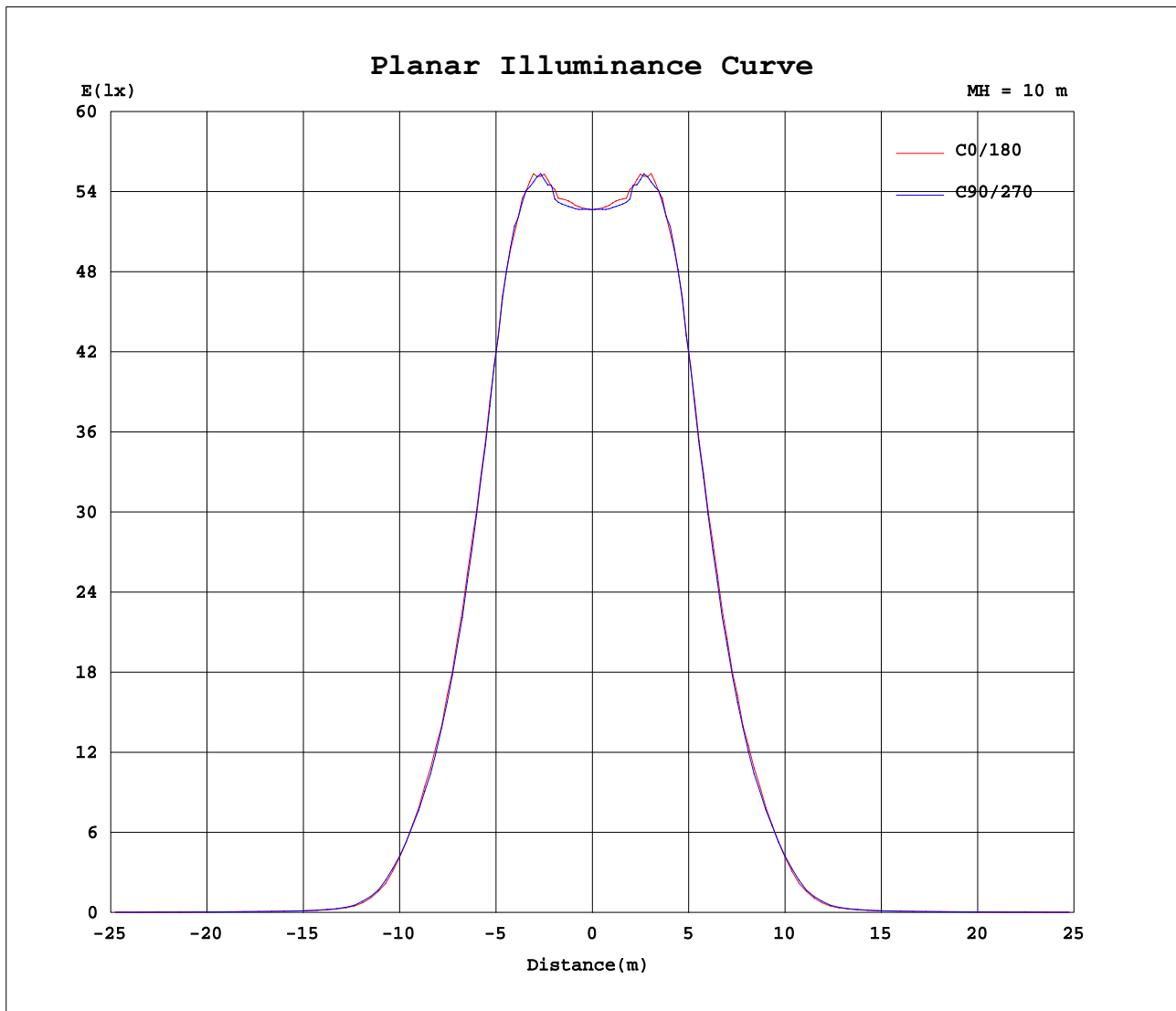
AvgL	cd/m2
L_0~180 (65) av	1178
L_0~180 (75) av	1259
L_0~180 (85) av	1816
L_90~270 (65) av	1234
L_90~270 (75) av	1288
L_90~270 (85) av	1878
L_45 (65) av	1192
L_45 (75) av	1220
L_45 (85) av	1790

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:220.2V I:0.2947A P:60.10W PF:0.9732 Freq:49.99Hz Lamp Flux:8296.44x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-90D-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	5266	5266	5266	5266	5266	5266	5266	5266	5266	5266	5266	5266	5266	5266	5266	5266	5266	5266	5266
5	5362	5359	5361	5358	5359	5353	5351	5343	5340	5331	5340	5343	5351	5353	5359	5358	5361	5359	5362
10	5606	5601	5614	5608	5606	5588	5591	5573	5574	5569	5574	5573	5591	5588	5606	5608	5614	5601	5606
15	6125	6133	6131	6111	6102	6102	6116	6142	6162	6140	6162	6142	6116	6102	6102	6111	6131	6133	6125
20	6452	6446	6458	6451	6457	6446	6427	6405	6389	6407	6389	6405	6427	6446	6457	6451	6458	6446	6452
25	6208	6219	6164	6172	6113	6102	6058	6095	6092	6173	6092	6095	6058	6102	6113	6172	6164	6219	6208
30	5066	5113	5034	5029	4948	4951	4883	4936	4942	5012	4942	4936	4883	4951	4948	5029	5034	5113	5066
35	3724	3717	3657	3619	3572	3548	3513	3570	3592	3636	3592	3570	3513	3548	3572	3619	3657	3717	3724
40	2413	2357	2273	2241	2202	2208	2174	2255	2208	2314	2208	2255	2174	2208	2202	2241	2273	2357	2413
45	1174	1148	1090	1059	1019	1029	1006	1085	1091	1197	1091	1085	1006	1029	1019	1059	1090	1148	1174
50	280	309	272	292	268	296	272	294	274	325	274	294	272	296	268	292	272	309	280
55	88.4	91.8	92.8	96.4	92.2	95.1	94.7	98.8	95.6	97.8	95.6	98.8	94.7	95.1	92.2	96.4	92.8	91.8	88.4
60	60.8	61.8	63.0	63.9	62.9	62.7	63.1	65.0	64.4	65.2	64.4	65.0	63.1	62.7	62.9	63.9	63.0	61.8	60.8
65	49.8	49.9	50.8	51.3	50.7	50.2	50.8	52.0	51.7	52.2	51.7	52.0	50.8	50.2	50.7	51.3	50.8	49.9	49.8
70	41.6	41.4	41.9	41.9	41.4	40.9	41.7	42.7	42.6	42.6	42.6	42.7	41.7	40.9	41.4	41.9	41.9	41.4	41.6
75	32.6	32.5	32.2	32.3	31.7	31.6	32.5	33.3	33.1	33.3	33.1	33.3	32.5	31.6	31.7	32.3	32.2	32.5	32.6
80	23.3	23.5	23.2	23.4	22.8	23.1	23.4	23.9	23.7	23.9	23.7	23.9	23.4	23.1	22.8	23.4	23.2	23.5	23.3
85	15.8	15.9	15.5	15.6	15.4	15.8	16.0	16.1	16.2	16.4	16.2	16.1	16.0	15.8	15.4	15.6	15.5	15.9	15.8
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:220.2V I:0.2947A P:60.10W PF:0.9732 Freq:49.99Hz Lamp Flux:8296.44x1 lm																	
NAME: AOK-oH									TYPE:LED						WEIGHT:2.9KG		
SPEC.:AOK-60WoH-3030-90D-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	5266	5266	5266	5266	5266	5266	5266	5266	5266	5266	5266	5266	5266	5266	5266	5266	5266		
5	5359	5361	5358	5359	5353	5351	5343	5340	5331	5340	5343	5351	5353	5359	5358	5361	5359		
10	5601	5614	5608	5606	5588	5591	5573	5574	5569	5574	5573	5591	5588	5606	5608	5614	5601		
15	6133	6131	6111	6102	6102	6116	6142	6162	6140	6162	6142	6116	6102	6102	6111	6131	6133		
20	6446	6458	6451	6457	6446	6427	6405	6389	6407	6389	6405	6427	6446	6457	6451	6458	6446		
25	6219	6164	6172	6113	6102	6058	6095	6092	6173	6092	6095	6058	6102	6113	6172	6164	6219		
30	5113	5034	5029	4948	4951	4883	4936	4942	5012	4942	4936	4883	4951	4948	5029	5034	5113		
35	3717	3657	3619	3572	3548	3513	3570	3592	3636	3592	3570	3513	3548	3572	3619	3657	3717		
40	2357	2273	2241	2202	2208	2174	2255	2208	2314	2208	2255	2174	2208	2202	2241	2273	2357		
45	1148	1090	1059	1019	1029	1006	1085	1091	1197	1091	1085	1006	1029	1019	1059	1090	1148		
50	309	272	292	268	296	272	294	274	325	274	294	272	296	268	292	272	309		
55	91.8	92.8	96.4	92.2	95.1	94.7	98.8	95.6	97.8	95.6	98.8	94.7	95.1	92.2	96.4	92.8	91.8		
60	61.8	63.0	63.9	62.9	62.7	63.1	65.0	64.4	65.2	64.4	65.0	63.1	62.7	62.9	63.9	63.0	61.8		
65	49.9	50.8	51.3	50.7	50.2	50.8	52.0	51.7	52.2	51.7	52.0	50.8	50.2	50.7	51.3	50.8	49.9		
70	41.4	41.9	41.9	41.4	40.9	41.7	42.7	42.6	42.6	42.6	42.7	41.7	40.9	41.4	41.9	41.9	41.4		
75	32.5	32.2	32.3	31.7	31.6	32.5	33.3	33.1	33.3	33.1	33.3	32.5	31.6	31.7	32.3	32.2	32.5		
80	23.5	23.2	23.4	22.8	23.1	23.4	23.9	23.7	23.9	23.7	23.9	23.4	23.1	22.8	23.4	23.2	23.5		
85	15.9	15.5	15.6	15.4	15.8	16.0	16.1	16.2	16.4	16.2	16.1	16.0	15.8	15.4	15.6	15.5	15.9		
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: