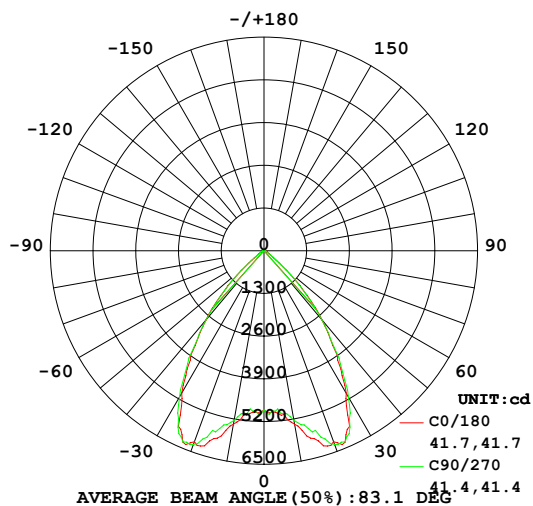


LUMINAIRE PHOTOMETRIC TEST REPORT

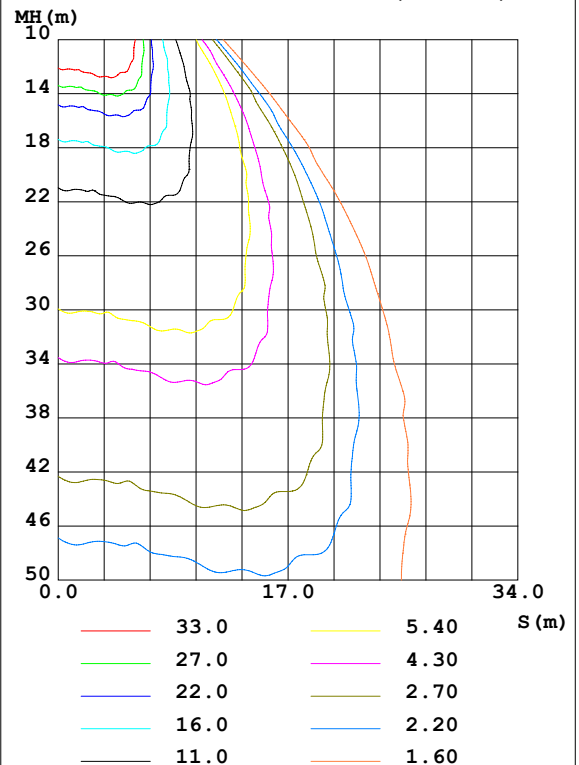
Test:U:220.0V I:0.2985A P:60.10W PF:0.9743 Freq:49.99Hz Lamp Flux:9011.81x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-90D-PC-ALL	DIM.: $\phi 0.248 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16\text{M}$	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 149.95 lm/W			
MODEL	5050	I _{max} (cd)	6364	S/MH (C0/180)	1.20
NOMINAL POWER (W)	60	LOR (%)	100.0	S/MH (C90/270)	1.20
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	9011.8	η UP, DN (C0-180)	0.0, 50.0
NOMINAL FLUX (lm)	9011.81	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	1.15

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	5360	5359	5241	5359	5360	5359	5241	5359	0- 10	483.6	483.6	5.37,5.37
20	6185	6146	6274	6146	6185	6146	6274	6146	10- 20	1664	2148	23.8,23.8
30	5008	5033	5138	5033	5008	5033	5138	5033	20- 30	2716	4863	54,54
40	2746	2659	2733	2659	2746	2659	2733	2659	30- 40	2385	7249	80.4,80.4
50	724.1	704.4	774.9	704.4	724.1	704.4	774.9	704.4	40- 50	1277	8525	94.6,94.6
60	158.5	156.9	159.3	156.9	158.5	156.9	159.3	156.9	50- 60	287.7	8813	97.8,97.8
70	72.62	73.18	74.30	73.18	72.62	73.18	74.30	73.18	60- 70	106.7	8920	99,99
80	40.58	40.57	42.75	40.57	40.58	40.57	42.75	40.57	70- 80	57.93	8978	99.6,99.6
90	0	0	0	0	0	0	0	0	80- 90	33.96	9012	100,100
100	0	0	0	0	0	0	0	0	90-100	0	9012	100,100
110	0	0	0	0	0	0	0	0	100-110	0	9012	100,100
120	0	0	0	0	0	0	0	0	110-120	0	9012	100,100
130	0	0	0	0	0	0	0	0	120-130	0	9012	100,100
140	0	0	0	0	0	0	0	0	130-140	0	9012	100,100
150	0	0	0	0	0	0	0	0	140-150	0	9012	100,100
160	0	0	0	0	0	0	0	0	150-160	0	9012	100,100
170	0	0	0	0	0	0	0	0	160-170	0	9012	100,100
180	0	0	0	0	0	0	0	0	170-180	0	9012	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 8049.6 lm

%lum = 89.3%

%lamp = 89.3%

Conical surface Flux(120deg): 8813.2 lm

%lum = 97.8%

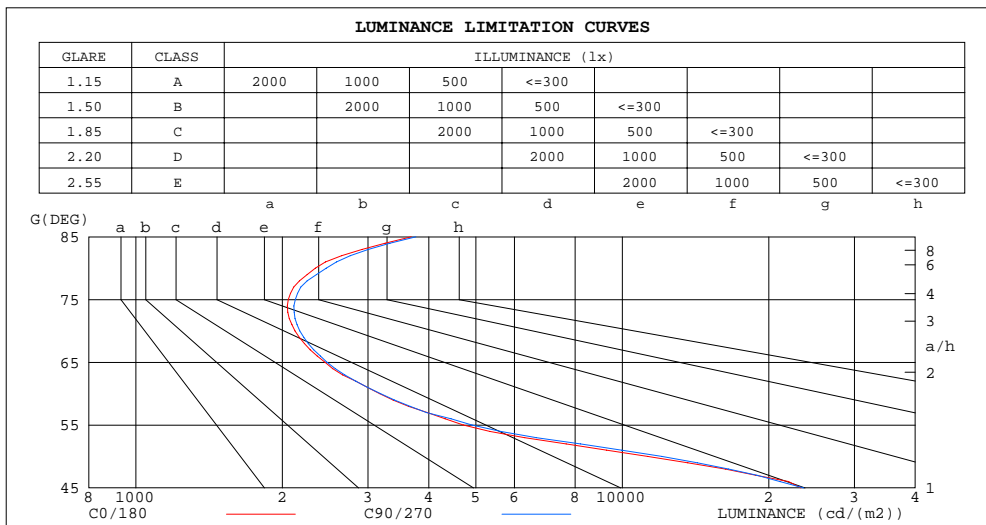
%lamp = 97.8%

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:9011.81x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-90D-PC-ALL	DIM.: $\phi 0.248 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16\text{M}$	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	3682	3762
80	2338	2463
75	2057	2127
70	2124	2173
65	2449	2471
60	3172	3186
55	4714	4911
50	11271	12058
45	23287	23602

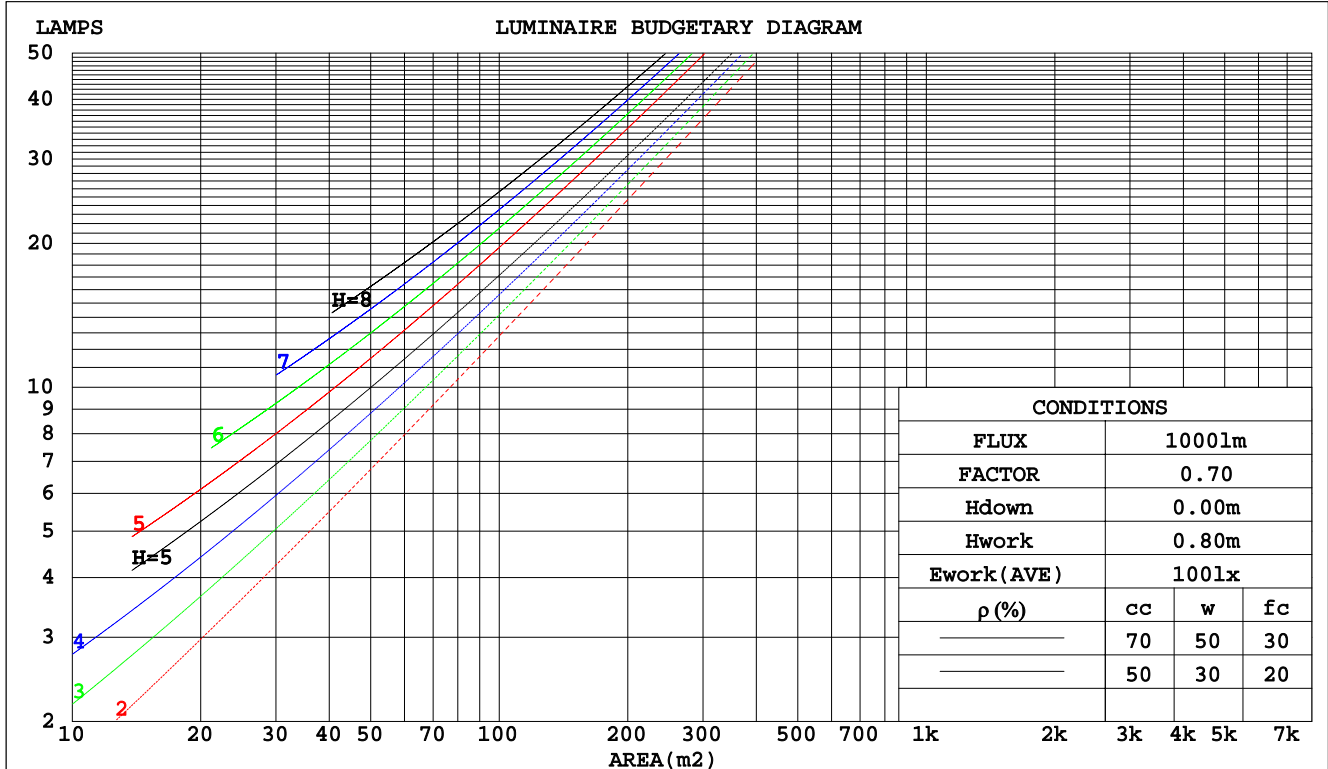
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-08

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:9011.81x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-90D-PC-ALL	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	1.00
1.0	1.09	1.06	1.04	1.07	1.05	1.02	1.03	1.01	.99	.99	.98	.96	.96	.94	.93	.91
2.0	1.00	.95	.92	.98	.94	.90	.95	.92	.88	.92	.89	.87	.89	.87	.85	.83
3.0	.92	.86	.82	.90	.85	.81	.88	.83	.80	.85	.81	.78	.83	.80	.77	.75
4.0	.85	.78	.73	.83	.77	.73	.81	.76	.72	.79	.75	.71	.77	.73	.70	.68
5.0	.78	.71	.66	.77	.71	.66	.75	.69	.65	.73	.68	.65	.72	.67	.64	.62
6.0	.72	.65	.60	.71	.65	.60	.69	.64	.59	.68	.63	.59	.67	.62	.59	.57
7.0	.67	.60	.55	.66	.59	.55	.65	.59	.54	.63	.58	.54	.62	.57	.54	.52
8.0	.62	.55	.50	.61	.55	.50	.60	.54	.50	.59	.54	.50	.58	.53	.49	.48
9.0	.58	.51	.46	.57	.51	.46	.56	.50	.46	.55	.50	.46	.54	.49	.46	.44
10.0	.54	.47	.43	.53	.47	.43	.52	.47	.43	.52	.46	.42	.51	.46	.42	.41



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:9011.81x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-90D-PC-ALL	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	.206	.117	.037	.199	.114	.036	.187	.107	.034	.175	.101	.032	.164	.095	.031	
2.0	.199	.109	.033	.193	.106	.033	.182	.101	.031	.172	.096	.030	.163	.092	.029	
3.0	.190	.101	.030	.185	.099	.030	.175	.095	.029	.167	.091	.028	.159	.088	.027	
4.0	.181	.094	.028	.176	.092	.027	.168	.089	.027	.161	.086	.026	.153	.083	.025	
5.0	.172	.088	.025	.168	.086	.025	.161	.084	.025	.154	.081	.024	.148	.079	.024	
6.0	.164	.082	.024	.160	.081	.023	.154	.079	.023	.148	.077	.023	.142	.075	.022	
7.0	.156	.077	.022	.153	.076	.022	.147	.075	.021	.142	.073	.021	.137	.071	.021	
8.0	.149	.073	.020	.146	.072	.020	.141	.071	.020	.136	.069	.020	.132	.068	.020	
9.0	.142	.069	.019	.140	.068	.019	.135	.067	.019	.131	.066	.019	.127	.064	.019	
10.0	.136	.065	.018	.134	.065	.018	.130	.064	.018	.126	.062	.018	.122	.061	.018	

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	.173	.157	.143	.148	.135	.123	.101	.093	.085	.058	.054	.049	.019	.017	.016	
2.0	.160	.132	.109	.137	.114	.094	.094	.079	.066	.054	.046	.039	.017	.015	.013	
3.0	.149	.114	.086	.128	.098	.074	.088	.068	.052	.051	.040	.031	.016	.013	.010	
4.0	.140	.099	.069	.120	.086	.060	.083	.060	.042	.048	.035	.025	.015	.011	.008	
5.0	.132	.088	.056	.114	.076	.049	.078	.053	.034	.045	.031	.020	.015	.010	.007	
6.0	.125	.079	.046	.108	.069	.040	.074	.048	.029	.043	.028	.017	.014	.009	.006	
7.0	.119	.072	.039	.103	.062	.034	.071	.044	.024	.041	.026	.014	.013	.008	.005	
8.0	.114	.066	.033	.098	.057	.029	.068	.040	.021	.039	.024	.012	.013	.008	.004	
9.0	.109	.061	.029	.094	.053	.025	.065	.037	.018	.038	.022	.011	.012	.007	.004	
10.0	.104	.057	.025	.090	.049	.022	.062	.035	.016	.036	.021	.009	.012	.007	.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:9011.81x1 lm										
NAME: AOK-oH					TYPE:LED			WEIGHT:2.9KG		
SPEC.:AOK-60WoH-5050-90D-PC-ALL					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	11.9	13.0	12.1	13.2	13.4	11.9	13.0	12.1	13.2	13.3
3H	11.8	12.8	12.1	13.0	13.2	11.7	12.8	12.0	13.0	13.2
4H	11.7	12.7	12.0	12.9	13.2	11.7	12.7	12.0	12.9	13.1
6H	11.7	12.6	12.0	12.8	13.1	11.7	12.6	12.0	12.8	13.1
8H	11.7	12.5	12.0	12.8	13.1	11.6	12.5	12.0	12.8	13.0
12H	11.7	12.5	12.0	12.8	13.1	11.6	12.5	12.0	12.7	13.0
4H 2H	11.7	12.6	12.0	12.9	13.1	11.6	12.6	11.9	12.8	13.1
3H	11.6	12.4	11.9	12.7	13.0	11.5	12.4	11.9	12.7	12.9
4H	11.6	12.3	11.9	12.6	12.9	11.5	12.3	11.9	12.6	12.9
6H	11.6	12.2	11.9	12.6	12.9	11.5	12.2	11.9	12.5	12.9
8H	11.6	12.2	12.0	12.5	12.9	11.5	12.1	11.9	12.5	12.9
12H	11.6	12.2	12.0	12.5	12.9	11.6	12.1	12.0	12.5	12.9
8H 4H	11.5	12.1	11.9	12.4	12.8	11.4	12.0	11.8	12.4	12.8
6H	11.5	12.0	11.9	12.4	12.8	11.5	12.0	11.9	12.4	12.8
8H	11.5	12.0	12.0	12.4	12.8	11.5	11.9	12.0	12.4	12.8
12H	11.6	12.0	12.1	12.4	12.9	11.6	12.0	12.1	12.4	12.9
12H 4H	11.4	12.0	11.8	12.4	12.7	11.4	11.9	11.8	12.3	12.7
6H	11.5	11.9	11.9	12.3	12.8	11.4	11.9	11.9	12.3	12.7
8H	11.5	11.9	12.0	12.3	12.8	11.5	11.9	12.0	12.3	12.8
Variations with the observer position at spacings:										
S = 1.0H	+ 2.1 / - 5.6					+ 2.2 / - 5.6				
1.5H	+ 3.3 / - 5.8					+ 3.3 / - 5.8				
2.0H	+ 5.5 / - 4.1					+ 5.6 / - 4.1				

CIE Pub.117, 9012 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 7.6$)

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:9011.81x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-90D-PC-ALL	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:

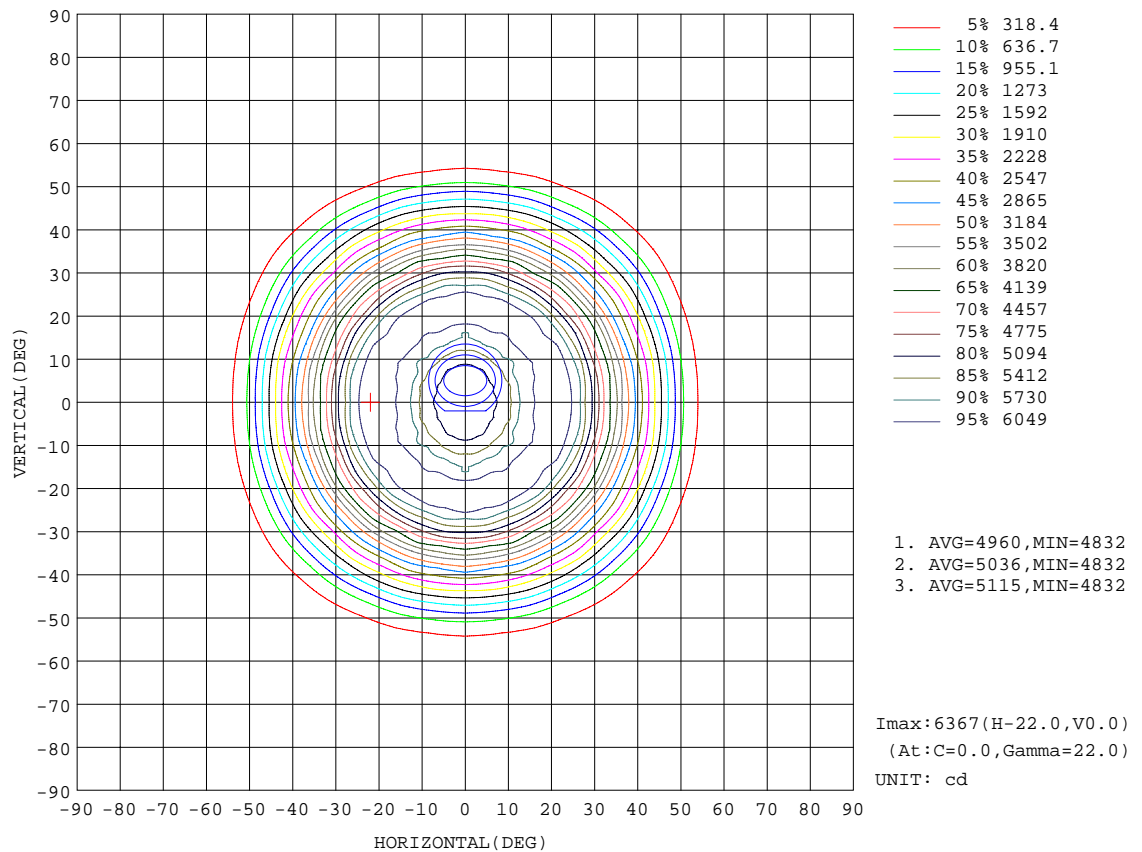
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	79	71	67	79	71	67	78	71	66	62
0.80	88	81	76	87	80	76	86	80	75	71
1.00	94	87	83	93	87	82	91	87	82	77
1.25	99	93	88	98	92	88	96	91	87	82
1.50	102	96	92	101	96	92	99	94	91	86
2.00	106	101	97	104	100	96	102	98	95	89
2.50	108	103	100	106	102	99	103	100	97	91
3.00	110	106	103	108	104	101	105	102	99	93
4.00	112	109	106	110	107	105	106	104	102	95
5.00	114	111	108	111	109	107	107	105	104	96
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:9011.81x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-90D-PC-ALL	DIM.: $\phi 0.248 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16\text{M}$	Shielding Angle:

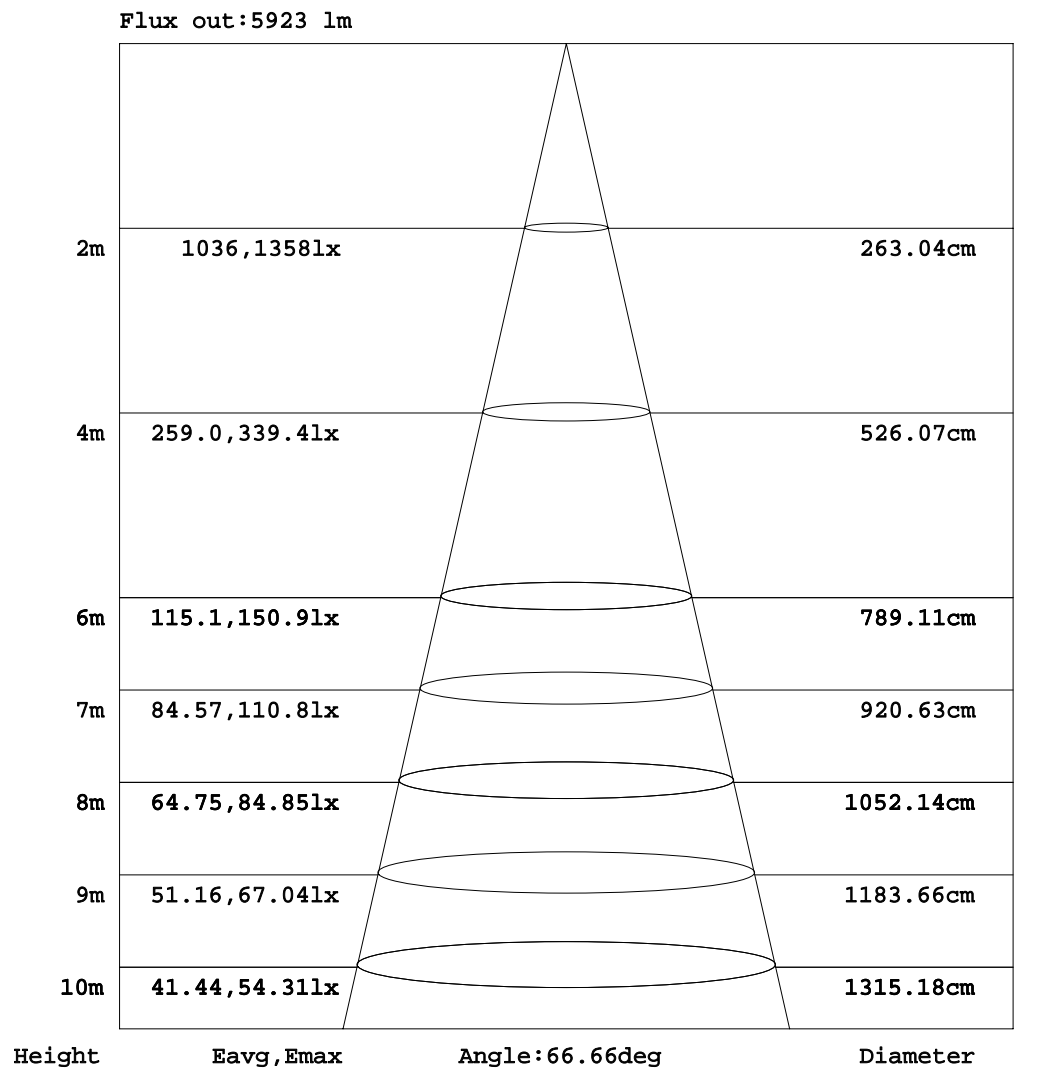


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-08

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:

AAI Figure

Test:U:220.0V I:0.2985A P:60.10W PF:0.9743 Freq:49.99Hz Lamp Flux:9011.81x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-90D-PC-ALL	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:



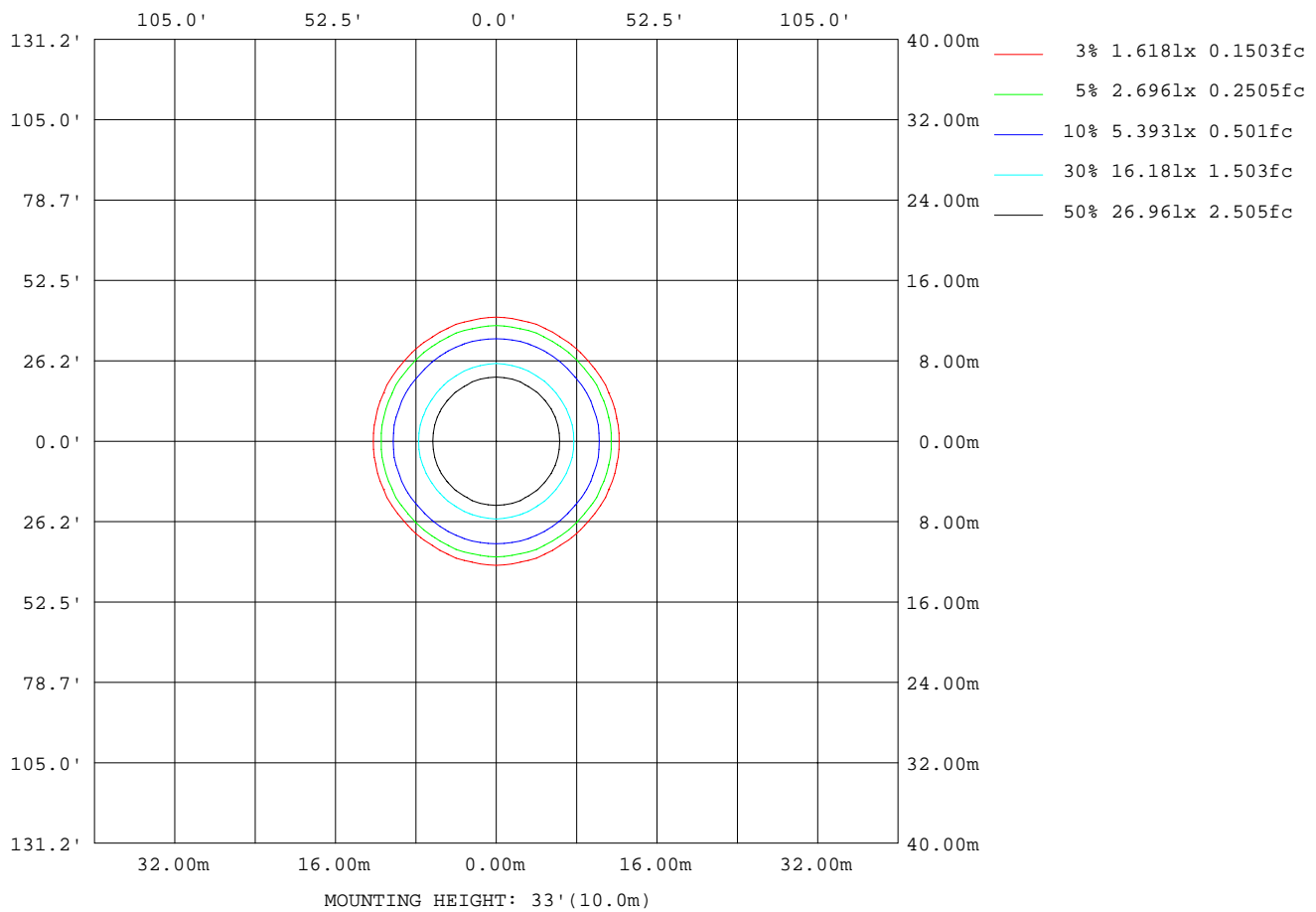
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:9011.81x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-90D-PC-ALL	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:9011.81x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-90D-PC-ALL	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

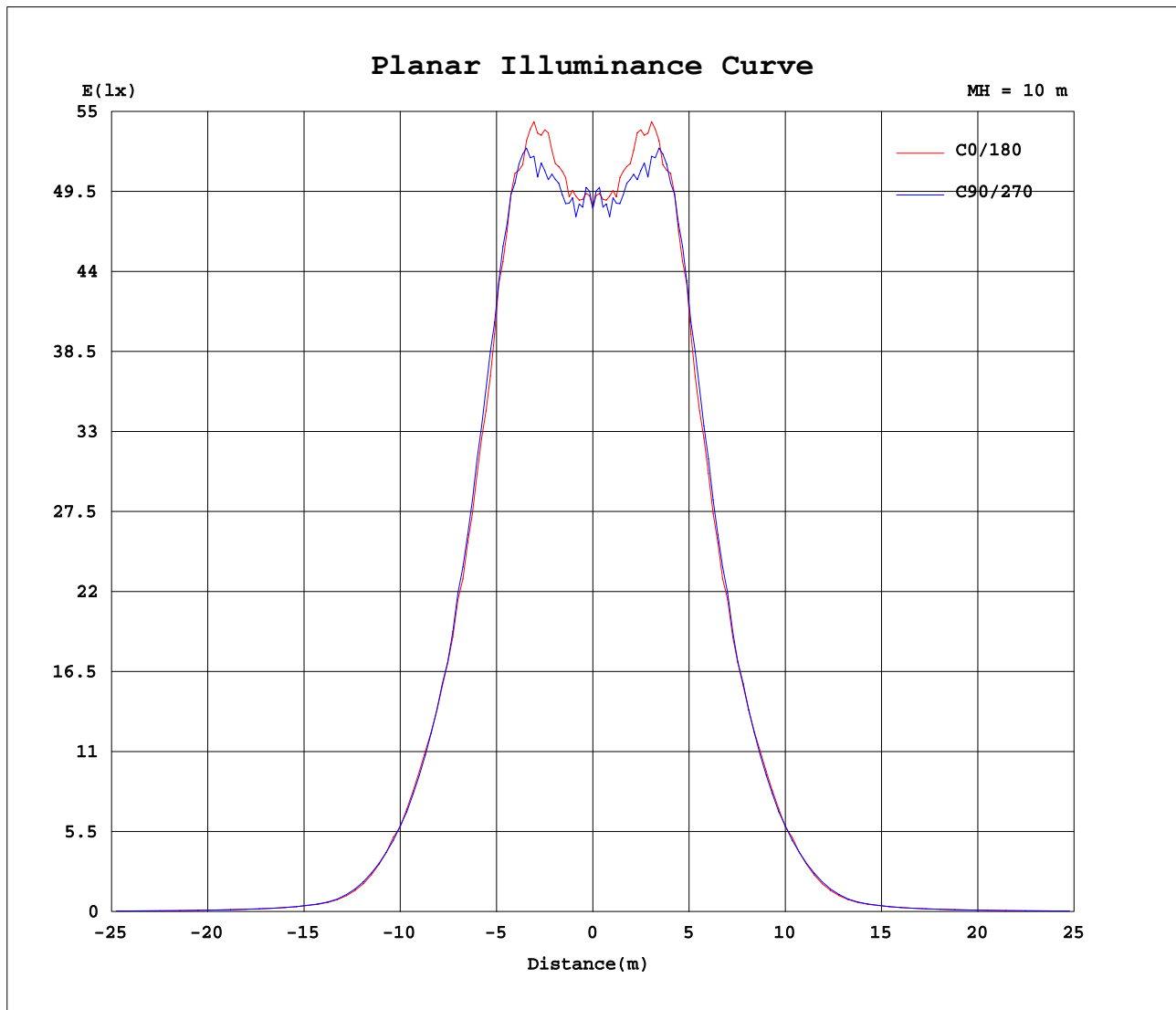
AvgL	cd/m2
L_0~180 (65) av	2448
L_0~180 (75) av	2056
L_0~180 (85) av	3681
L_90~270 (65) av	2471
L_90~270 (75) av	2127
L_90~270 (85) av	3761
L_45 (65) av	2445
L_45 (75) av	2069
L_45 (85) av	3650

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:9011.81x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-90D-PC-ALL	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	4833	4833	4833	4833	4833	4833	4833	4833	4833	4833	4833	4833	4833	4833	4833	4833	4833	4833	4833
5	4972	4971	4898	4906	4956	4938	4910	4889	4839	4832	4839	4889	4910	4938	4956	4906	4898	4971	4972
10	5360	5356	5306	5321	5300	5417	5371	5257	5222	5241	5222	5257	5371	5417	5300	5321	5306	5356	5360
15	5918	5904	5952	5874	5798	5893	5910	5777	5776	5709	5776	5777	5910	5893	5798	5874	5952	5904	5918
20	6185	6225	6213	6233	6176	6116	6212	6270	6211	6274	6211	6270	6212	6116	6176	6233	6213	6225	6185
25	5999	6016	6015	6047	5898	6007	5998	6066	6020	6141	6020	6066	5998	6007	5898	6047	6015	6016	5999
30	5008	5017	4944	5058	5014	5052	5056	5104	5158	5138	5158	5104	5056	5052	5014	5058	4944	5017	5008
35	3903	3861	3913	3910	3791	3858	3830	3898	3860	3987	3860	3898	3830	3858	3791	3910	3913	3861	3903
40	2746	2756	2707	2678	2661	2657	2601	2704	2688	2733	2688	2704	2601	2657	2661	2678	2707	2756	2746
45	1646	1748	1644	1687	1588	1602	1659	1702	1661	1669	1661	1702	1659	1602	1588	1687	1644	1748	1646
50	724	750	726	742	687	722	717	765	759	775	759	765	717	722	687	742	726	750	724
55	270	274	263	272	257	266	260	272	271	282	271	272	260	266	257	272	263	274	270
60	159	161	158	160	157	156	154	160	158	159	158	160	154	156	157	160	158	161	159
65	103	105	104	105	104	103	103	104	105	104	105	104	103	103	104	105	104	105	103
70	72.6	73.6	72.9	73.5	73.3	73.0	72.8	74.1	74.4	74.3	74.4	74.1	72.8	73.0	73.3	73.5	72.9	73.6	72.6
75	53.2	53.8	53.2	53.5	53.4	53.7	53.2	54.2	54.3	55.0	54.3	54.2	53.2	53.7	53.4	53.5	53.2	53.8	53.2
80	40.6	40.9	40.4	40.7	40.5	40.6	40.5	41.6	41.9	42.8	41.9	41.6	40.5	40.6	40.5	40.7	40.4	40.9	40.6
85	32.1	32.7	32.2	32.2	31.8	31.8	31.4	32.1	32.0	32.8	32.0	32.1	31.4	31.8	31.8	32.2	32.2	32.7	32.1
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:9011.81x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-5050-90D-PC-ALL	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	4833	4833	4833	4833	4833	4833	4833	4833	4833	4833	4833	4833	4833	4833	4833	4833	4833		
5	4971	4898	4906	4956	4938	4910	4889	4839	4832	4839	4889	4910	4938	4956	4906	4898	4971		
10	5356	5306	5321	5300	5417	5371	5257	5222	5241	5222	5257	5371	5417	5300	5321	5306	5356		
15	5904	5952	5874	5798	5893	5910	5777	5776	5709	5776	5777	5910	5893	5798	5874	5952	5904		
20	6225	6213	6233	6176	6116	6212	6270	6211	6274	6211	6270	6212	6116	6176	6233	6213	6225		
25	6016	6015	6047	5898	6007	5998	6066	6020	6141	6020	6066	5998	6007	5898	6047	6015	6016		
30	5017	4944	5058	5014	5052	5056	5104	5158	5138	5158	5104	5056	5052	5014	5058	4944	5017		
35	3861	3913	3910	3791	3858	3830	3898	3860	3987	3860	3898	3830	3858	3791	3910	3913	3861		
40	2756	2707	2678	2661	2657	2601	2704	2688	2733	2688	2704	2601	2657	2661	2678	2707	2756		
45	1748	1644	1687	1588	1602	1659	1702	1661	1669	1661	1702	1659	1602	1588	1687	1644	1748		
50	750	726	742	687	722	717	765	759	775	759	765	717	722	687	742	726	750		
55	274	263	272	257	266	260	272	271	282	271	272	260	266	257	272	263	274		
60	161	158	160	157	156	154	160	158	159	158	160	154	156	157	160	158	161		
65	105	104	105	104	103	103	104	105	104	105	104	103	103	104	105	104	105		
70	73.6	72.9	73.5	73.3	73.0	72.8	74.1	74.4	74.3	74.4	74.1	72.8	73.0	73.3	73.5	72.9	73.6		
75	53.8	53.2	53.5	53.4	53.7	53.2	54.2	54.3	55.0	54.3	54.2	53.2	53.7	53.4	53.5	53.2	53.8		
80	40.9	40.4	40.7	40.5	40.6	40.5	41.6	41.9	42.8	41.9	41.6	40.5	40.6	40.5	40.7	40.4	40.9		
85	32.7	32.2	32.2	31.8	31.8	31.4	32.1	32.0	32.8	32.0	32.1	31.4	31.8	31.8	32.2	32.2	32.7		
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		
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:
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γ Range: 0 - 180DEG
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 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
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