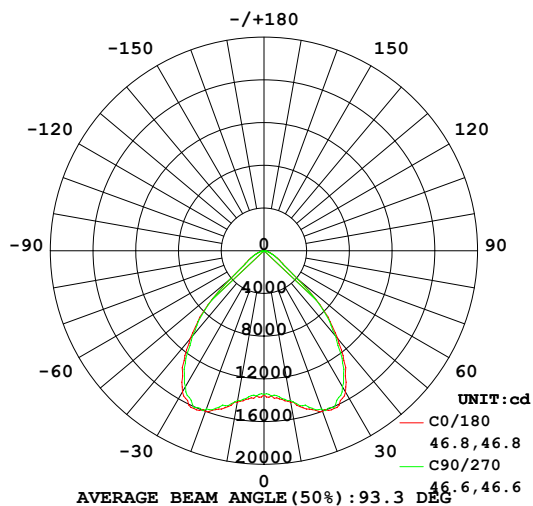


LUMINAIRE PHOTOMETRIC TEST REPORT

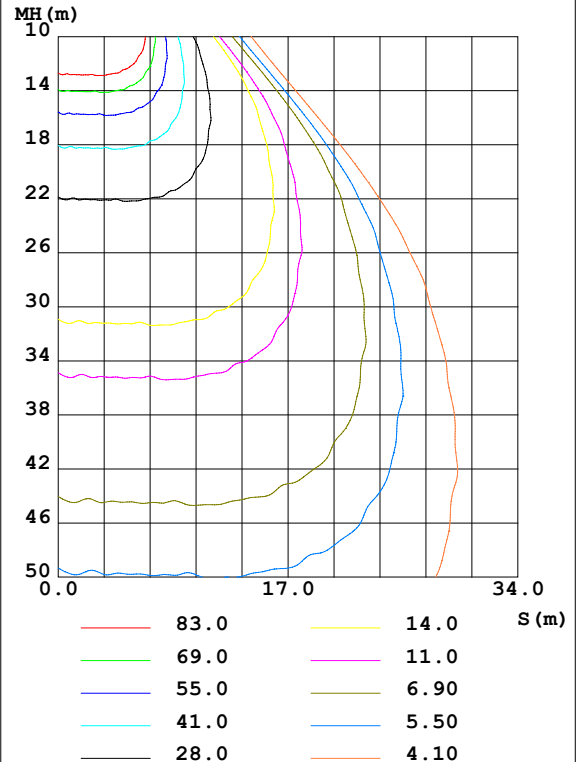
Test:U:220.0V I:0.9583A P:200.1W PF:0.9733 Freq:49.99Hz Lamp Flux:30362.7x1 lm					
NAME: AOK-oH		TYPE:LED		WEIGHT:6.0KG	
SPEC.:AOK-200Woh-5050-90D-PC-ALL		DIM.: $\phi 0.4 \times 0.141M$		SERIAL No.:1	
MFR.: AOK		SUR.: $\phi 0.29M$		Shielding Angle:	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 151.74 lm/W			
MODEL	5050	I _{max} (cd)	16309	S/MH (C0/180)	1.35
NOMINAL POWER (W)	200	LOR (%)	100.0	S/MH (C90/270)	1.34
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	30363	η UP,DN (C0-180)	0.0,50.0
NOMINAL FLUX (lm)	30362.7	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	1.35

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:2018-01-05

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	1441	1444	1423	1444	1441	1444	1423	1444	0- 10	1335	1335	4.4,4.4
20	1602	1597	1576	1597	1602	1597	1576	1597	10- 20	4367	5701	18.8,18.8
30	1528	1492	1471	1492	1528	1492	1471	1492	20- 30	7293	12994	42.8,42.8
40	1075	1026	1043	1026	1075	1026	1043	1026	30- 40	7982	20977	69.1,69.1
50	420.7	399.9	416.5	399.9	420.7	399.9	416.5	399.9	40- 50	5734	26710	88,88
60	150.7	149.5	147.9	149.5	150.7	149.5	147.9	149.5	50- 60	2082	28793	94.8,94.8
70	65.82	64.68	61.61	64.68	65.82	64.68	61.61	64.68	60- 70	1021	29814	98.2,98.2
80	22.70	20.22	19.70	20.22	22.70	20.22	19.70	20.22	70- 80	415.6	30229	99.6,99.6
90	0	0	0	0	0	0	0	0	80- 90	133.4	30363	100,100
100	0	0	0	0	0	0	0	0	90-100	0	30363	100,100
110	0	0	0	0	0	0	0	0	100-110	0	30363	100,100
120	0	0	0	0	0	0	0	0	110-120	0	30363	100,100
130	0	0	0	0	0	0	0	0	120-130	0	30363	100,100
140	0	0	0	0	0	0	0	0	130-140	0	30363	100,100
150	0	0	0	0	0	0	0	0	140-150	0	30363	100,100
160	0	0	0	0	0	0	0	0	150-160	0	30363	100,100
170	0	0	0	0	0	0	0	0	160-170	0	30363	100,100
180	0	0	0	0	0	0	0	0	170-180	0	30363	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 24338 lm

%lum = 80.2%

%lamp = 80.2%

Conical surface Flux(120deg): 28793 lm

%lum = 94.8%

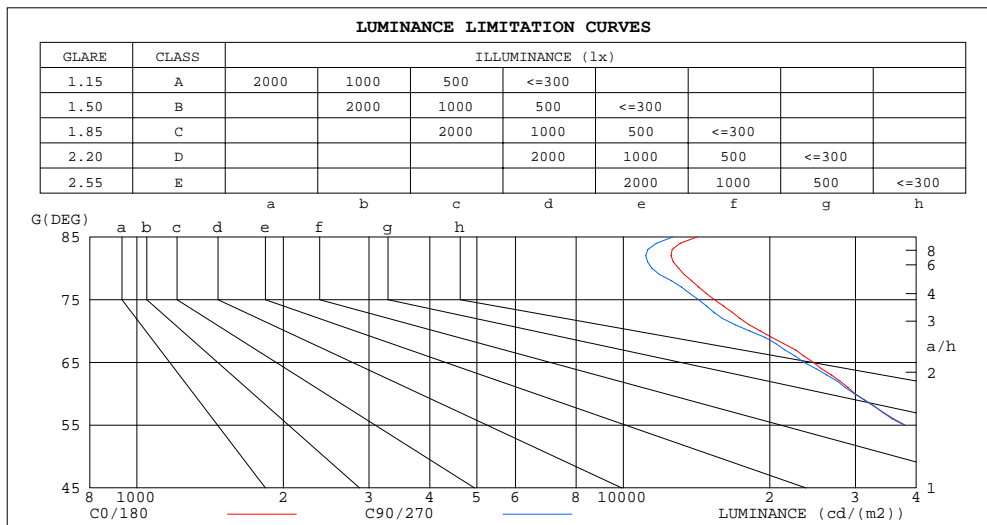
%lamp = 94.8%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-05

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:0.9583A P:200.1W PF:0.9733 Freq:49.99Hz Lamp Flux:30362.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200Woh-5050-90D-PC-ALL	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	14206	12664
80	12985	11444
75	15379	14264
70	19120	18173
65	24575	23511
60	29938	29832
55	37818	37939
50	65027	65368
45	111162	111273

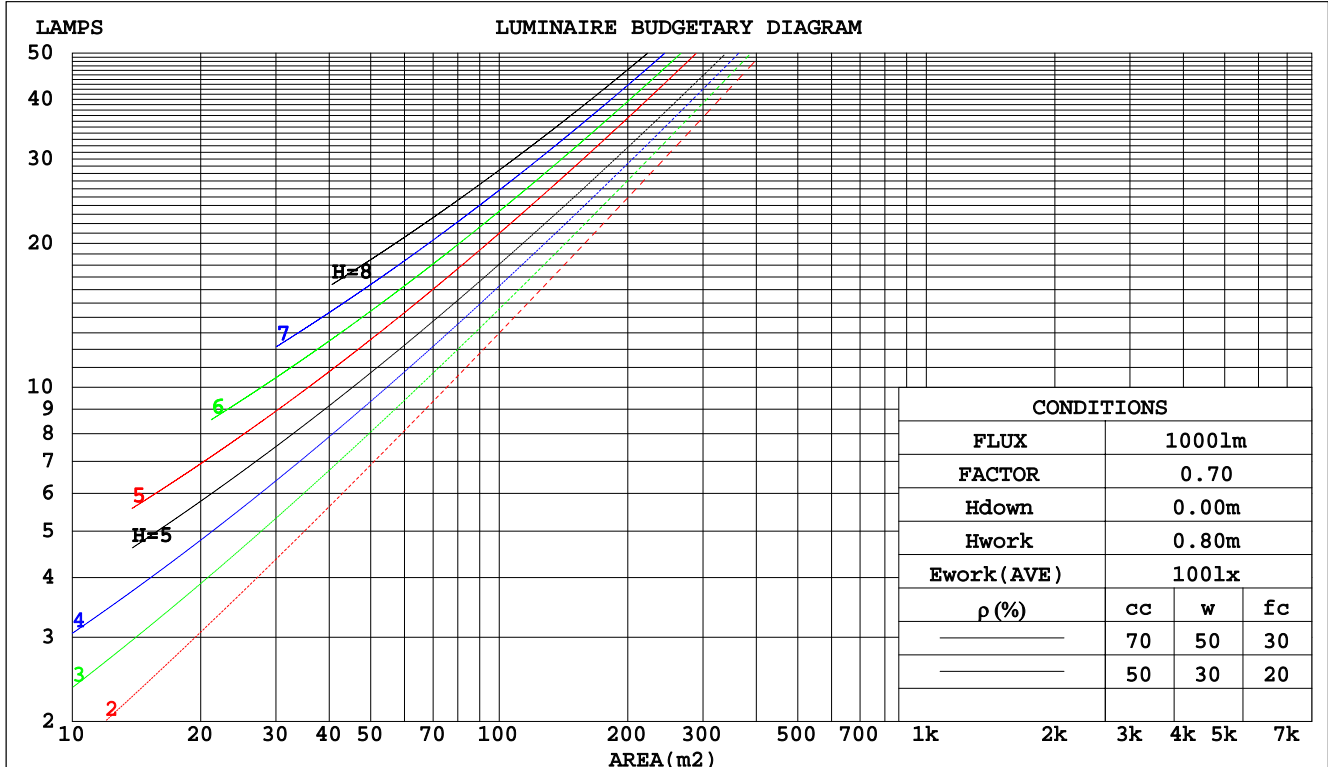
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-05

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:0.9583A P:200.1W PF:0.9733 Freq:49.99Hz Lamp Flux:30362.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200Woh-5050-90D-PC-ALL	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	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	1.00
1.0	1.08	1.05	1.02	1.06	1.03	1.00	1.02	.99	.97	.98	.96	.94	.95	.93	.92	.90
2.0	.98	.93	.88	.96	.91	.87	.93	.89	.85	.90	.86	.83	.87	.84	.82	.80
3.0	.89	.82	.77	.87	.81	.77	.84	.79	.75	.82	.78	.74	.79	.76	.73	.71
4.0	.81	.74	.68	.79	.73	.68	.77	.71	.67	.75	.70	.66	.73	.69	.65	.63
5.0	.74	.66	.61	.72	.66	.60	.71	.64	.60	.69	.63	.59	.67	.62	.59	.57
6.0	.67	.60	.54	.66	.59	.54	.65	.58	.54	.63	.58	.53	.62	.57	.53	.51
7.0	.62	.54	.49	.61	.54	.49	.60	.53	.49	.58	.53	.48	.57	.52	.48	.46
8.0	.57	.49	.44	.56	.49	.44	.55	.49	.44	.54	.48	.44	.53	.48	.44	.42
9.0	.53	.45	.40	.52	.45	.40	.51	.45	.40	.50	.44	.40	.49	.44	.40	.38
10.0	.49	.42	.37	.48	.42	.37	.47	.41	.37	.47	.41	.37	.46	.40	.37	.35



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-05

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:0.9583A P:200.1W PF:0.9733 Freq:49.99Hz Lamp Flux:30362.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200Woh-5050-90D-PC-ALL	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	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	.228	.130	.041	.221	.126	.040	.208	.119	.038	.196	.113	.036	.185	.107	.035	
2.0	.221	.121	.037	.215	.118	.036	.204	.113	.035	.193	.108	.034	.184	.104	.033	
3.0	.210	.112	.034	.205	.110	.033	.195	.106	.032	.187	.102	.031	.178	.099	.031	
4.0	.199	.104	.030	.195	.102	.030	.186	.099	.030	.179	.096	.029	.171	.093	.028	
5.0	.189	.096	.028	.185	.095	.028	.177	.092	.027	.170	.090	.027	.164	.088	.026	
6.0	.179	.090	.026	.175	.089	.025	.169	.086	.025	.162	.084	.025	.157	.082	.024	
7.0	.170	.084	.024	.166	.083	.024	.160	.081	.023	.155	.079	.023	.150	.078	.023	
8.0	.161	.079	.022	.158	.078	.022	.153	.076	.022	.148	.075	.022	.143	.073	.021	
9.0	.153	.074	.021	.150	.073	.021	.146	.072	.020	.141	.071	.020	.137	.069	.020	
10.0	.146	.070	.019	.143	.069	.019	.139	.068	.019	.135	.067	.019	.131	.066	.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	.175	.157	.141	.149	.135	.121	.102	.093	.084	.059	.054	.049	.019	.017	.016		
2.0	.163	.132	.107	.139	.114	.092	.096	.079	.064	.055	.046	.038	.018	.015	.012		
3.0	.153	.114	.083	.131	.098	.072	.090	.068	.050	.052	.040	.030	.017	.013	.010		
4.0	.145	.100	.066	.124	.086	.057	.085	.060	.040	.049	.035	.024	.016	.011	.008		
5.0	.137	.089	.053	.118	.077	.046	.081	.054	.033	.047	.032	.019	.015	.010	.006		
6.0	.130	.080	.044	.112	.069	.038	.077	.049	.027	.045	.029	.016	.014	.009	.005		
7.0	.124	.073	.037	.107	.063	.032	.074	.044	.023	.043	.026	.014	.014	.009	.005		
8.0	.119	.067	.032	.102	.058	.028	.071	.041	.020	.041	.024	.012	.013	.008	.004		
9.0	.114	.062	.028	.098	.054	.024	.068	.038	.017	.039	.022	.010	.013	.007	.003		
10.0	.109	.058	.024	.094	.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:2018-01-05

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:0.9583A P:200.1W PF:0.9733 Freq:49.99Hz Lamp Flux:30362.7x1 lm										
NAME: AOK-oH					TYPE:LED			WEIGHT:6.0KG		
SPEC.:AOK-200WoH-5050-90D-PC-ALL					DIM.: $\phi 0.4 \times 0.141M$			SERIAL No.:1		
MFR.: AOK					SUR.: $\phi 0.29M$			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	13.8	15.1	14.1	15.2	15.4	13.7	15.0	14.0	15.2	15.3
3H	13.9	15.1	14.2	15.3	15.5	13.8	15.0	14.1	15.2	15.4
4H	13.9	15.0	14.2	15.3	15.5	13.8	14.9	14.1	15.1	15.4
6H	13.9	14.9	14.3	15.2	15.5	13.8	14.8	14.1	15.1	15.3
8H	13.9	14.9	14.2	15.2	15.4	13.8	14.7	14.1	15.0	15.3
12H	13.9	14.8	14.2	15.1	15.4	13.8	14.7	14.1	15.0	15.2
4H 2H	13.7	14.8	14.0	15.0	15.3	13.7	14.7	14.0	15.0	15.2
3H	14.0	14.9	14.3	15.2	15.4	13.8	14.8	14.2	15.0	15.3
4H	14.0	14.9	14.4	15.2	15.5	13.9	14.7	14.3	15.0	15.4
6H	14.1	14.8	14.5	15.1	15.5	13.9	14.6	14.3	15.0	15.3
8H	14.1	14.8	14.5	15.1	15.5	13.9	14.6	14.3	14.9	15.3
12H	14.1	14.7	14.5	15.1	15.5	13.9	14.5	14.3	14.9	15.3
8H 4H	14.0	14.6	14.4	15.0	15.4	13.8	14.5	14.2	14.9	15.3
6H	14.1	14.6	14.5	15.0	15.4	13.9	14.5	14.3	14.9	15.3
8H	14.1	14.6	14.5	15.0	15.5	13.9	14.4	14.4	14.8	15.3
12H	14.1	14.6	14.6	15.0	15.5	14.0	14.4	14.4	14.8	15.3
12H 4H	13.9	14.6	14.4	14.9	15.3	13.8	14.4	14.2	14.8	15.2
6H	14.0	14.5	14.5	14.9	15.4	13.9	14.4	14.3	14.8	15.2
8H	14.1	14.5	14.6	14.9	15.4	13.9	14.3	14.4	14.8	15.2
Variations with the observer position at spacings:										
S = 1.0H	+ 1.7 / - 2.6					+ 1.7 / - 2.7				
1.5H	+ 1.7 / - 2.8					+ 1.7 / - 2.9				
2.0H	+ 4.1 / - 2.3					+ 4.2 / - 2.4				

CIE Pub.117, 30363 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 11.9$)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-05

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:0.9583A P:200.1W PF:0.9733 Freq:49.99Hz Lamp Flux:30362.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-5050-90D-PC-ALL	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

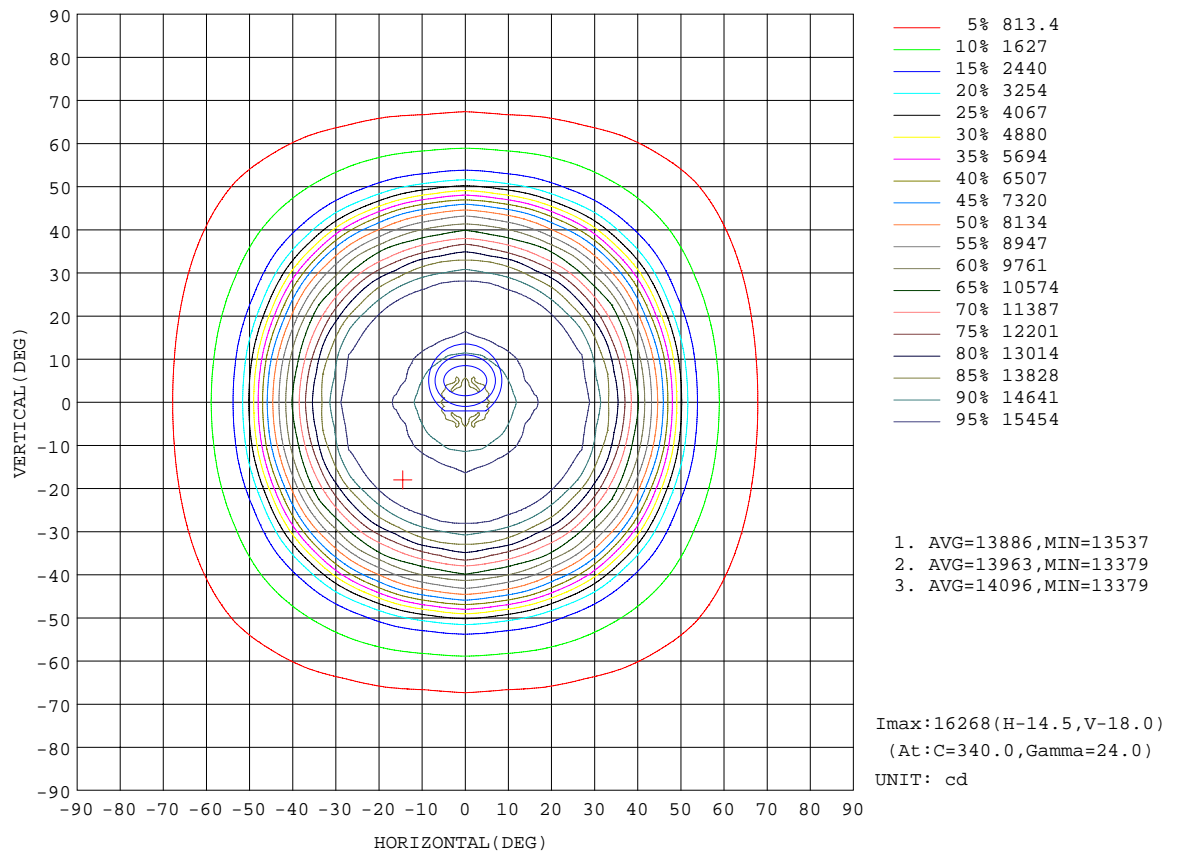
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	72	63	58	71	63	57	70	62	57	52
0.80	82	73	67	81	73	67	79	72	67	62
1.00	89	81	75	88	80	75	86	81	75	69
1.25	95	87	82	93	87	82	91	85	81	75
1.50	99	92	87	97	91	86	95	89	85	79
2.00	103	97	93	102	96	92	99	94	91	84
2.50	106	100	96	104	99	95	101	97	93	87
3.00	108	103	100	106	102	98	103	99	96	89
4.00	111	107	104	109	105	102	105	102	100	92
5.00	112	109	106	110	107	105	106	104	102	93
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-05

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:0.9583A P:200.1W PF:0.9733 Freq:49.99Hz Lamp Flux:30362.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-5050-90D-PC-ALL	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:



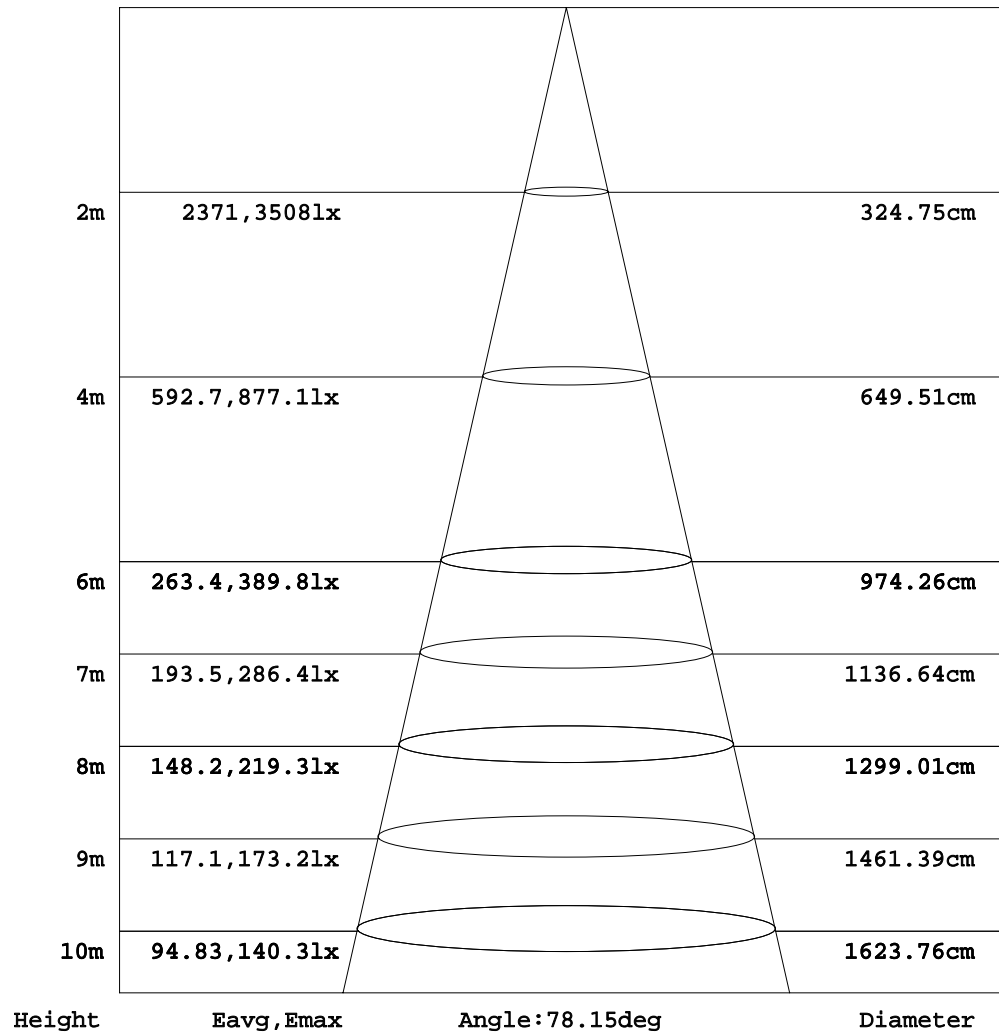
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-05

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:0.9583A P:200.1W PF:0.9733 Freq:49.99Hz Lamp Flux:30362.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200Woh-5050-90D-PC-ALL	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

Flux out:20977 lm



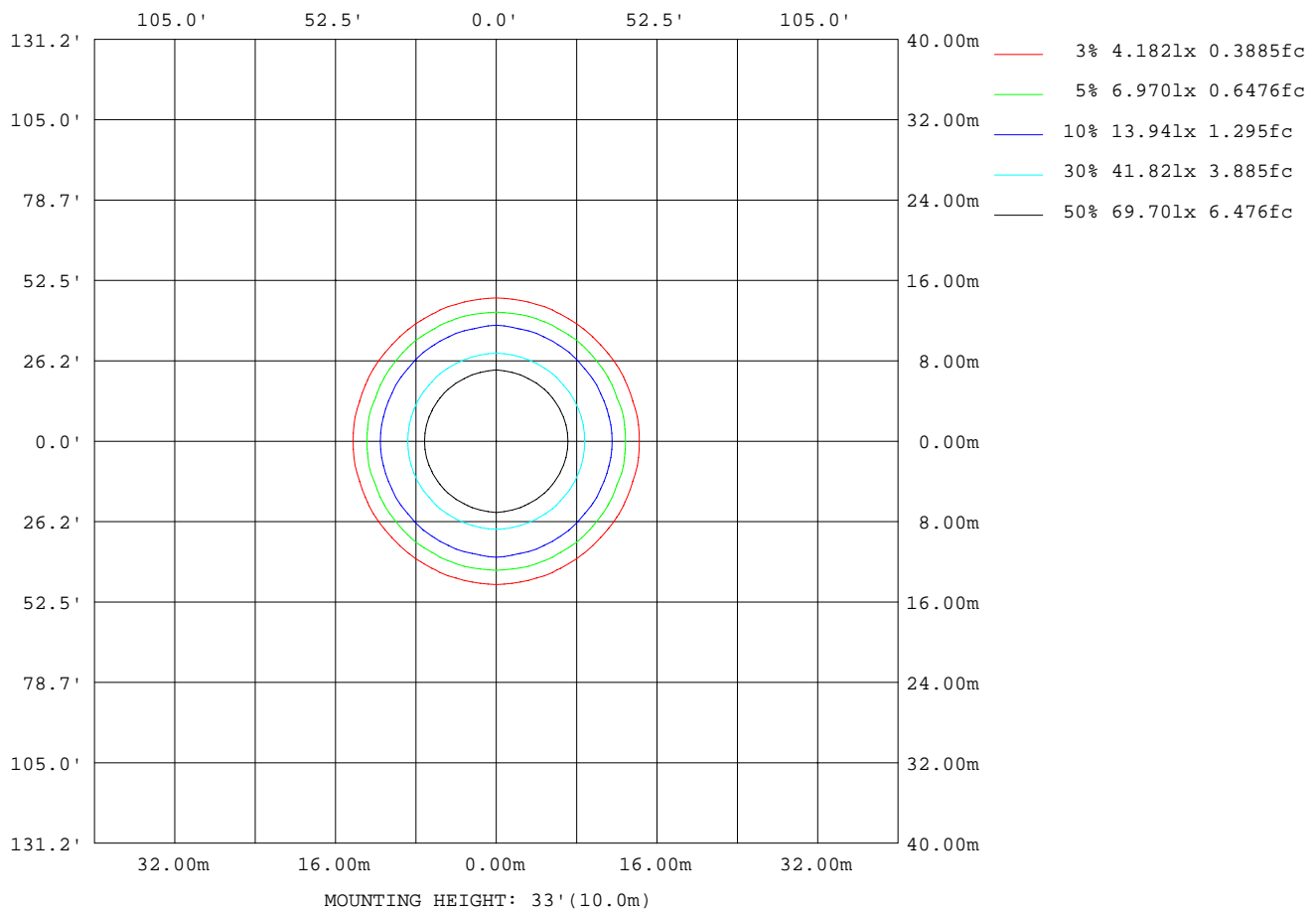
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-01-05

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:0.9583A P:200.1W PF:0.9733 Freq:49.99Hz Lamp Flux:30362.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200Woh-5050-90D-PC-ALL	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-01-05

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:0.9583A P:200.1W PF:0.9733 Freq:49.99Hz Lamp Flux:30362.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-5050-90D-PC-ALL	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

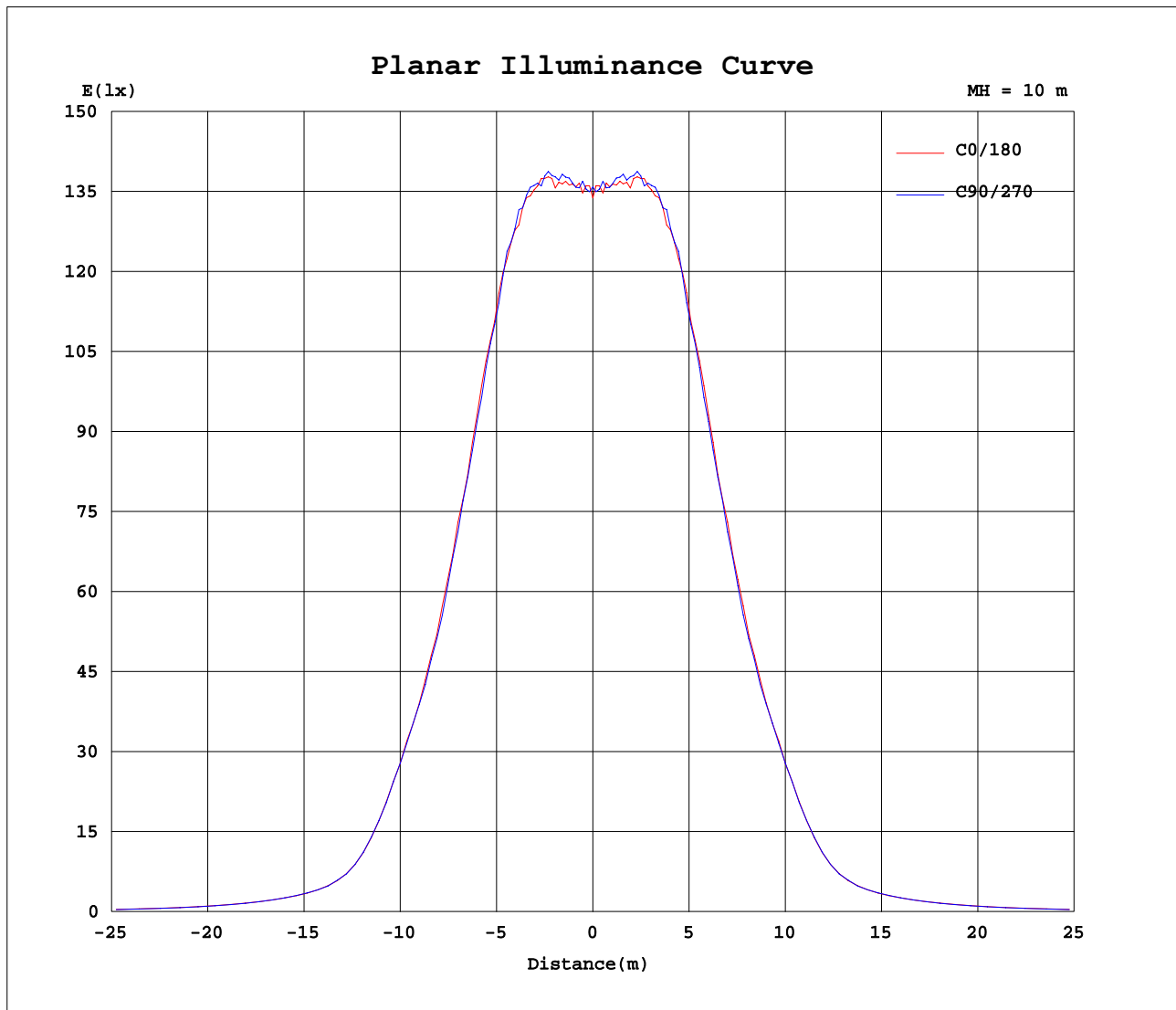
AvgL	cd/m2
L_0~180 (65) av	24736
L_0~180 (75) av	15479
L_0~180 (85) av	14299
L_90~270 (65) av	23304
L_90~270 (75) av	14139
L_90~270 (85) av	12553
L_45 (65) av	23895
L_45 (75) av	14459
L_45 (85) av	12926

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-05

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: 2018-01-05

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:0.9583A P:200.1W PF:0.9733 Freq:49.99Hz Lamp Flux:30362.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-5050-90D-PC-ALL	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	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	1347	1347	1347	1347	1347	1347	1347	1347	1347	1347	1347	1347	1347	1347	1347	1347	1347	1347	1347
5	1383	1394	1370	1375	1380	1368	1374	1371	1379	1362	1379	1371	1374	1368	1380	1375	1370	1394	1383
10	1441	1442	1452	1435	1451	1437	1429	1431	1434	1423	1434	1431	1429	1437	1451	1435	1452	1442	1441
15	1535	1532	1566	1543	1540	1527	1542	1526	1523	1496	1523	1526	1542	1527	1540	1543	1566	1532	1535
20	1602	1579	1592	1599	1588	1605	1589	1598	1579	1576	1579	1598	1589	1605	1588	1599	1592	1579	1602
25	1619	1624	1616	1613	1600	1583	1600	1579	1594	1587	1594	1579	1600	1583	1600	1613	1616	1624	1619
30	1528	1517	1517	1503	1500	1485	1480	1471	1468	1471	1468	1471	1480	1485	1500	1503	1517	1517	1528
35	1337	1315	1332	1300	1290	1278	1266	1270	1258	1283	1258	1270	1266	1278	1290	1300	1332	1315	1337
40	1075	1048	1055	1063	1017	1034	1035	1019	1012	1043	1012	1019	1035	1034	1017	1063	1055	1048	1075
45	791	787	770	773	772	767	754	762	760	780	760	762	754	767	772	773	770	787	791
50	421	422	404	409	397	403	395	402	400	416	400	402	395	403	397	409	404	422	421
55	218	217	215	216	212	211	211	214	214	216	214	214	211	211	212	216	215	217	218
60	151	150	148	151	150	149	149	150	147	148	147	150	149	149	150	151	148	150	151
65	105	103	103	105	101	101	101	101	98.7	98.5	98.7	101	101	101	101	105	103	103	105
70	65.8	66.7	67.0	66.8	64.5	64.9	62.4	60.4	61.2	61.6	61.2	60.4	62.4	64.9	64.5	66.8	67.0	66.7	65.8
75	40.1	40.3	40.1	39.6	37.8	37.2	36.9	36.1	35.8	36.6	35.8	36.1	36.9	37.2	37.8	39.6	40.1	40.3	40.1
80	22.7	22.7	22.5	22.1	20.7	19.8	19.3	19.6	19.6	19.7	19.6	19.6	19.3	19.8	20.7	22.1	22.5	22.7	22.7
85	12.5	12.4	12.3	12.1	11.5	11.1	10.9	11.0	10.8	10.9	10.8	11.0	10.9	11.1	11.5	12.1	12.3	12.4	12.5
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:2018-01-05

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:0.9583A P:200.1W PF:0.9733 Freq:49.99Hz Lamp Flux:30362.7x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-5050-90D-PC-ALL	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

Table--2

UNIT: $\times 10cd$

C (DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	1347	1347	1347	1347	1347	1347	1347	1347	1347	1347	1347	1347	1347	1347	1347	1347	1347		
5	1394	1370	1375	1380	1368	1374	1371	1379	1362	1379	1371	1374	1368	1380	1375	1370	1394		
10	1442	1452	1435	1451	1437	1429	1431	1434	1423	1434	1431	1429	1437	1451	1435	1452	1442		
15	1532	1566	1543	1540	1527	1542	1526	1523	1496	1523	1526	1542	1527	1540	1543	1566	1532		
20	1579	1592	1599	1588	1605	1589	1598	1579	1576	1579	1598	1589	1605	1588	1599	1592	1579		
25	1624	1616	1613	1600	1583	1600	1579	1594	1587	1594	1579	1600	1583	1600	1613	1616	1624		
30	1517	1517	1503	1500	1485	1480	1471	1468	1471	1468	1471	1480	1485	1500	1503	1517	1517		
35	1315	1332	1300	1290	1278	1266	1270	1258	1283	1258	1270	1266	1278	1290	1300	1332	1315		
40	1048	1055	1063	1017	1034	1035	1019	1012	1043	1012	1019	1035	1034	1017	1063	1055	1048		
45	787	770	773	772	767	754	762	760	780	760	762	754	767	772	773	770	787		
50	422	404	409	397	403	395	402	400	416	400	402	395	403	397	409	404	422		
55	217	215	216	212	211	211	214	214	216	214	214	211	211	212	216	215	217		
60	150	148	151	150	149	149	150	147	148	147	150	149	149	150	151	148	150		
65	103	103	105	101	101	101	101	98.7	98.5	98.7	101	101	101	101	105	103	103		
70	66.7	67.0	66.8	64.5	64.9	62.4	60.4	61.2	61.6	61.2	60.4	62.4	64.9	64.5	66.8	67.0	66.7		
75	40.3	40.1	39.6	37.8	37.2	36.9	36.1	35.8	36.6	35.8	36.1	36.9	37.2	37.8	39.6	40.1	40.3		
80	22.7	22.5	22.1	20.7	19.8	19.3	19.6	19.6	19.7	19.6	19.6	19.3	19.8	20.7	22.1	22.5	22.7		
85	12.4	12.3	12.1	11.5	11.1	10.9	11.0	10.8	10.9	10.8	11.0	10.9	11.1	11.5	12.1	12.3	12.4		
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:2018-01-05

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: