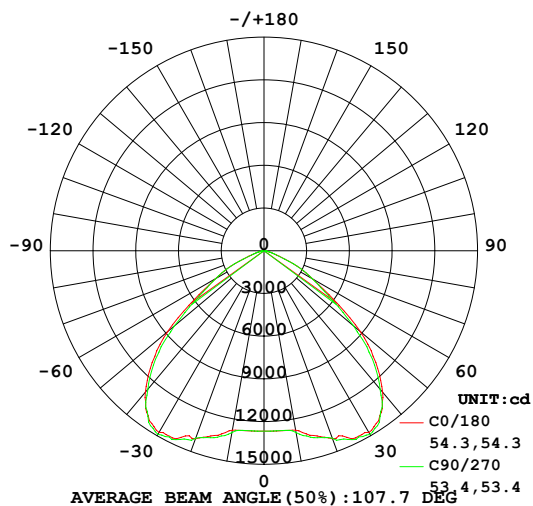


LUMINAIRE PHOTOMETRIC TEST REPORT

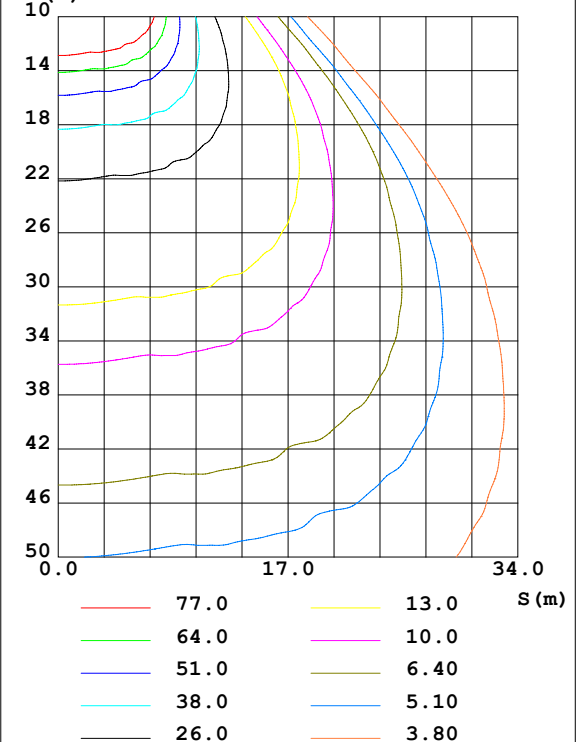
Test:U:220.1V I:1.137A P:240.1W PF:0.9793 Freq:49.99Hz Lamp Flux:37378.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240Woh-5050-120D-PC	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 155.68 lm/W			
MODEL	5050	I _{max} (cd)	15068	S/MH (C0/180)	1.54
NOMINAL POWER (W)	240	LOR (%)	100.0	S/MH (C90/270)	1.51
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	37378	η UP,DN (C0-180)	0.0,50.0
NOMINAL FLUX (lm)	37378.2	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,50.0
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	1.55

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	1279	1282	1297	1282	1279	1282	1297	1282	0- 10	1215	1215	3.25,3.25
20	1406	1425	1400	1425	1406	1425	1400	1425	10- 20	3851	5066	13.6,13.6
30	1473	1484	1488	1484	1473	1484	1488	1484	20- 30	6773	11839	31.7,31.7
40	1296	1288	1268	1288	1296	1288	1268	1288	30- 40	8831	20670	55.3,55.3
50	883.2	857.2	821.4	857.2	883.2	857.2	821.4	857.2	40- 50	8342	29012	77.6,77.6
60	393.9	378.4	391.2	378.4	393.9	378.4	391.2	378.4	50- 60	5233	34246	91.6,91.6
70	114.3	108.8	109.9	108.8	114.3	108.8	109.9	108.8	60- 70	2421	36667	98.1,98.1
80	23.78	22.77	24.19	22.77	23.78	22.77	24.19	22.77	70- 80	580.8	37248	99.7,99.7
90	0	0	0	0	0	0	0	0	80- 90	130.6	37378	100,100
100	0	0	0	0	0	0	0	0	90-100	0	37378	100,100
110	0	0	0	0	0	0	0	0	100-110	0	37378	100,100
120	0	0	0	0	0	0	0	0	110-120	0	37378	100,100
130	0	0	0	0	0	0	0	0	120-130	0	37378	100,100
140	0	0	0	0	0	0	0	0	130-140	0	37378	100,100
150	0	0	0	0	0	0	0	0	140-150	0	37378	100,100
160	0	0	0	0	0	0	0	0	150-160	0	37378	100,100
170	0	0	0	0	0	0	0	0	160-170	0	37378	100,100
180	0	0	0	0	0	0	0	0	170-180	0	37378	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 25071 lm

%lum = 67.1%

%lamp = 67.1%

Conical surface Flux(120deg): 34246 lm

%lum = 91.6%

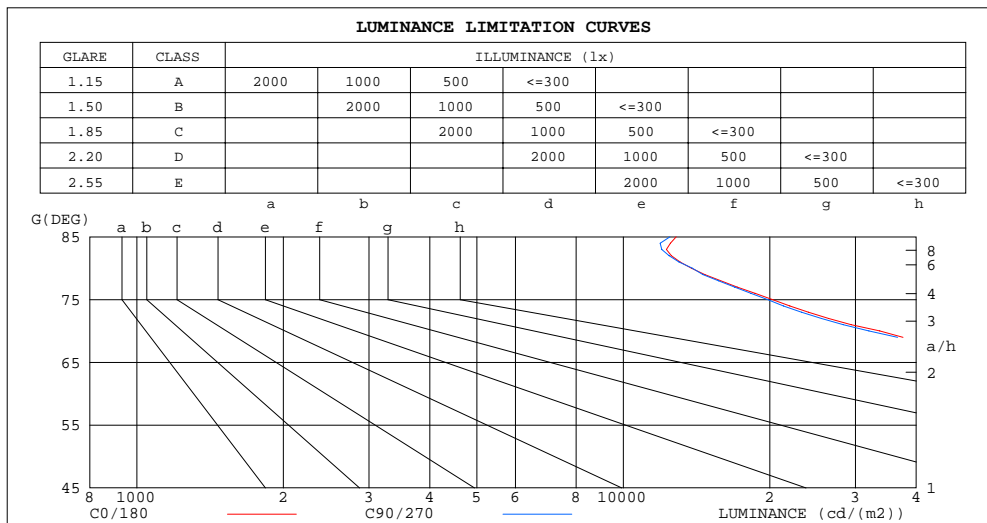
%lamp = 91.6%

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:220.1V I:1.137A P:240.1W PF:0.9793 Freq:49.99Hz Lamp Flux:37378.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240Woh-5050-120D-PC	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	12839	12466
80	13801	13862
75	20243	19788
70	33663	31975
65	61662	60836
60	79379	77870
55	104278	96419
50	138455	127184
45	158483	151732

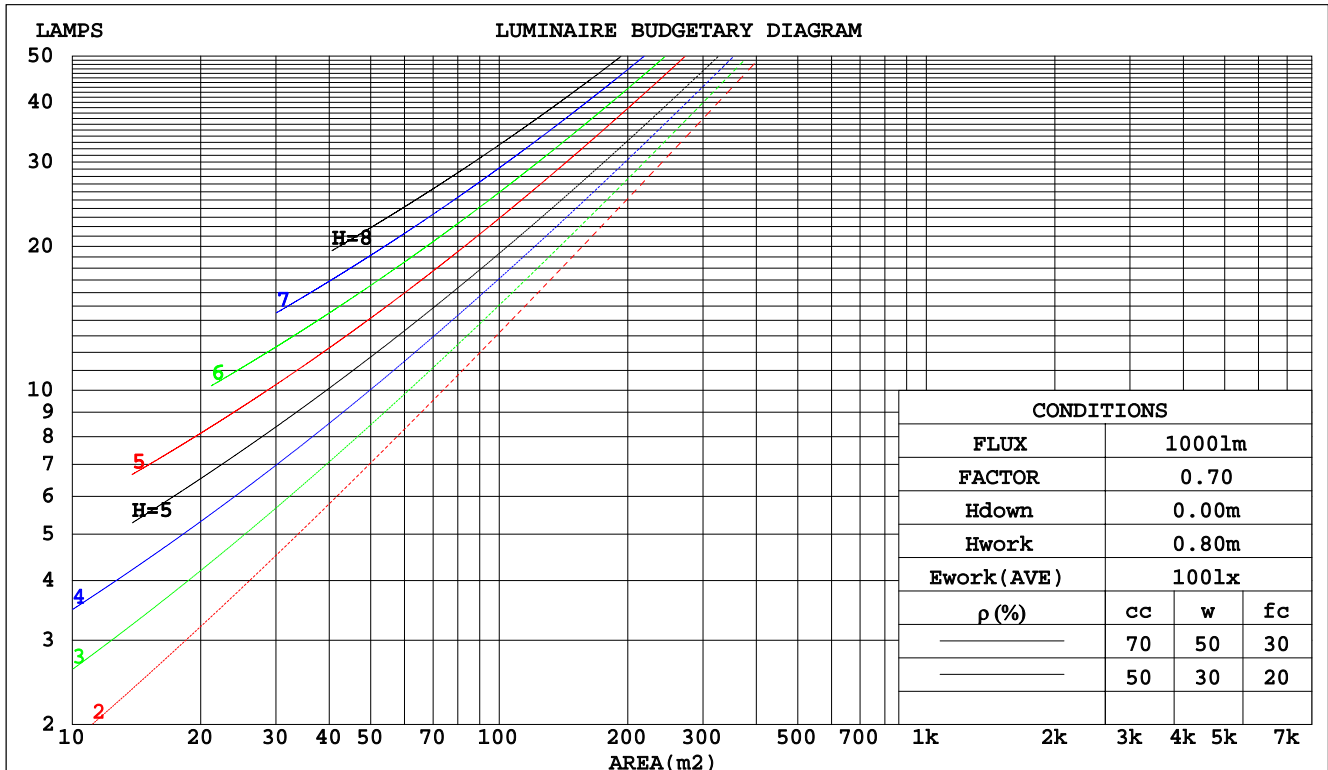
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-05

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:220.1V I:1.137A P:240.1W PF:0.9793 Freq:49.99Hz Lamp Flux:37378.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240WoH-5050-120D-PC	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	1.07	1.03	1.00	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.93	.92	.90	.88
2.0	.95	.90	.85	.93	.88	.84	.90	.86	.82	.87	.83	.80	.84	.81	.78	.76
3.0	.85	.78	.72	.83	.77	.72	.81	.75	.70	.78	.73	.69	.75	.71	.68	.66
4.0	.76	.68	.62	.75	.67	.62	.72	.66	.61	.70	.65	.60	.68	.63	.59	.57
5.0	.68	.60	.54	.67	.60	.54	.65	.58	.53	.63	.57	.53	.62	.56	.52	.50
6.0	.62	.54	.48	.61	.53	.47	.59	.52	.47	.57	.51	.47	.56	.50	.46	.44
7.0	.56	.48	.42	.55	.48	.42	.54	.47	.42	.52	.46	.41	.51	.45	.41	.39
8.0	.51	.43	.38	.51	.43	.37	.49	.42	.37	.48	.42	.37	.47	.41	.37	.35
9.0	.47	.39	.34	.46	.39	.34	.45	.38	.34	.44	.38	.33	.43	.37	.33	.31
10.0	.43	.36	.31	.43	.35	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28



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:220.1V I:1.137A P:240.1W PF:0.9793 Freq:49.99Hz Lamp Flux:37378.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240WoH-5050-120D-PC	DIM.: ϕ 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 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	.251	.142	.045	.244	.139	.044	.231	.132	.042	.219	.126	.040	.208	.120	.039		
2.0	.245	.134	.041	.239	.132	.041	.228	.127	.039	.218	.122	.038	.208	.118	.037		
3.0	.234	.125	.037	.229	.122	.037	.219	.119	.036	.210	.115	.035	.201	.111	.034		
4.0	.221	.115	.034	.217	.113	.034	.208	.110	.033	.200	.107	.032	.192	.104	.032		
5.0	.209	.106	.031	.204	.105	.031	.197	.102	.030	.189	.100	.030	.183	.098	.029		
6.0	.197	.099	.028	.193	.097	.028	.186	.095	.028	.179	.093	.027	.173	.091	.027		
7.0	.185	.092	.026	.182	.091	.026	.176	.089	.026	.170	.087	.025	.164	.085	.025		
8.0	.175	.085	.024	.172	.085	.024	.166	.083	.024	.161	.082	.024	.156	.080	.023		
9.0	.165	.080	.022	.163	.079	.022	.158	.078	.022	.153	.077	.022	.148	.075	.022		
10.0	.156	.075	.021	.154	.074	.021	.150	.073	.021	.145	.072	.021	.141	.071	.020		

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	.176	.157	.139	.151	.134	.120	.103	.092	.083	.059	.054	.048	.019	.017	.016	
2.0	.166	.132	.104	.142	.114	.090	.097	.079	.062	.056	.046	.037	.018	.015	.012	
3.0	.158	.114	.079	.135	.098	.069	.093	.068	.048	.054	.040	.028	.017	.013	.009	
4.0	.150	.100	.062	.129	.087	.054	.088	.060	.038	.051	.035	.023	.016	.012	.007	
5.0	.143	.090	.050	.123	.078	.044	.085	.054	.031	.049	.032	.018	.016	.010	.006	
6.0	.136	.081	.042	.117	.070	.036	.081	.049	.026	.047	.029	.015	.015	.009	.005	
7.0	.130	.074	.035	.112	.064	.031	.077	.045	.022	.045	.027	.013	.015	.009	.004	
8.0	.124	.069	.030	.107	.059	.026	.074	.042	.019	.043	.025	.011	.014	.008	.004	
9.0	.119	.064	.026	.102	.055	.023	.071	.039	.016	.041	.023	.010	.013	.008	.003	
10.0	.114	.059	.023	.098	.052	.020	.068	.036	.014	.040	.021	.009	.013	.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:220.1V I:1.137A P:240.1W PF:0.9793 Freq:49.99Hz Lamp Flux:37378.2x1 lm										
NAME: AOK-oH					TYPE:LED			WEIGHT:6.0KG		
SPEC.:AOK-240WoH-5050-120D-PC					DIM.: ϕ 0.4*0.141M			SERIAL No.:1		
MFR.: AOK					SUR.: ϕ 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	16.3	17.7	16.6	17.9	18.1	16.0	17.4	16.3	17.6	17.8
3H	16.5	17.8	16.8	18.0	18.3	16.2	17.5	16.5	17.7	18.0
4H	16.5	17.7	16.8	17.9	18.2	16.2	17.4	16.5	17.6	17.9
6H	16.4	17.6	16.8	17.8	18.1	16.1	17.3	16.5	17.5	17.8
8H	16.4	17.5	16.7	17.7	18.0	16.1	17.2	16.4	17.4	17.7
12H	16.4	17.4	16.7	17.7	18.0	16.1	17.1	16.4	17.4	17.7
4H 2H	16.4	17.6	16.7	17.9	18.1	16.2	17.4	16.5	17.6	17.8
3H	16.7	17.7	17.0	18.0	18.3	16.4	17.5	16.8	17.7	18.0
4H	16.7	17.6	17.1	17.9	18.3	16.4	17.4	16.8	17.7	18.0
6H	16.6	17.5	17.0	17.8	18.2	16.4	17.2	16.8	17.5	17.9
8H	16.6	17.4	17.0	17.7	18.1	16.4	17.1	16.8	17.5	17.8
12H	16.6	17.3	17.0	17.7	18.1	16.3	17.0	16.7	17.4	17.8
8H 4H	16.6	17.4	17.0	17.7	18.1	16.3	17.1	16.7	17.5	17.8
6H	16.6	17.2	17.0	17.6	18.0	16.3	16.9	16.8	17.3	17.8
8H	16.6	17.1	17.0	17.5	18.0	16.3	16.8	16.8	17.3	17.7
12H	16.6	17.0	17.0	17.5	17.9	16.3	16.7	16.8	17.2	17.7
12H 4H	16.6	17.2	17.0	17.6	18.0	16.3	17.0	16.7	17.4	17.8
6H	16.5	17.1	17.0	17.5	18.0	16.3	16.8	16.7	17.3	17.7
8H	16.5	17.0	17.0	17.4	17.9	16.3	16.7	16.8	17.2	17.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.9 / - 1.2					+ 0.9 / - 1.3				
1.5H	+ 0.5 / - 0.6					+ 0.5 / - 0.6				
2.0H	+ 1.9 / - 1.8					+ 1.9 / - 1.6				

CIE Pub.117, 37378 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 12.6$)

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:220.1V I:1.137A P:240.1W PF:0.9793 Freq:49.99Hz Lamp Flux:37378.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240WoH-5050-120D-PC	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

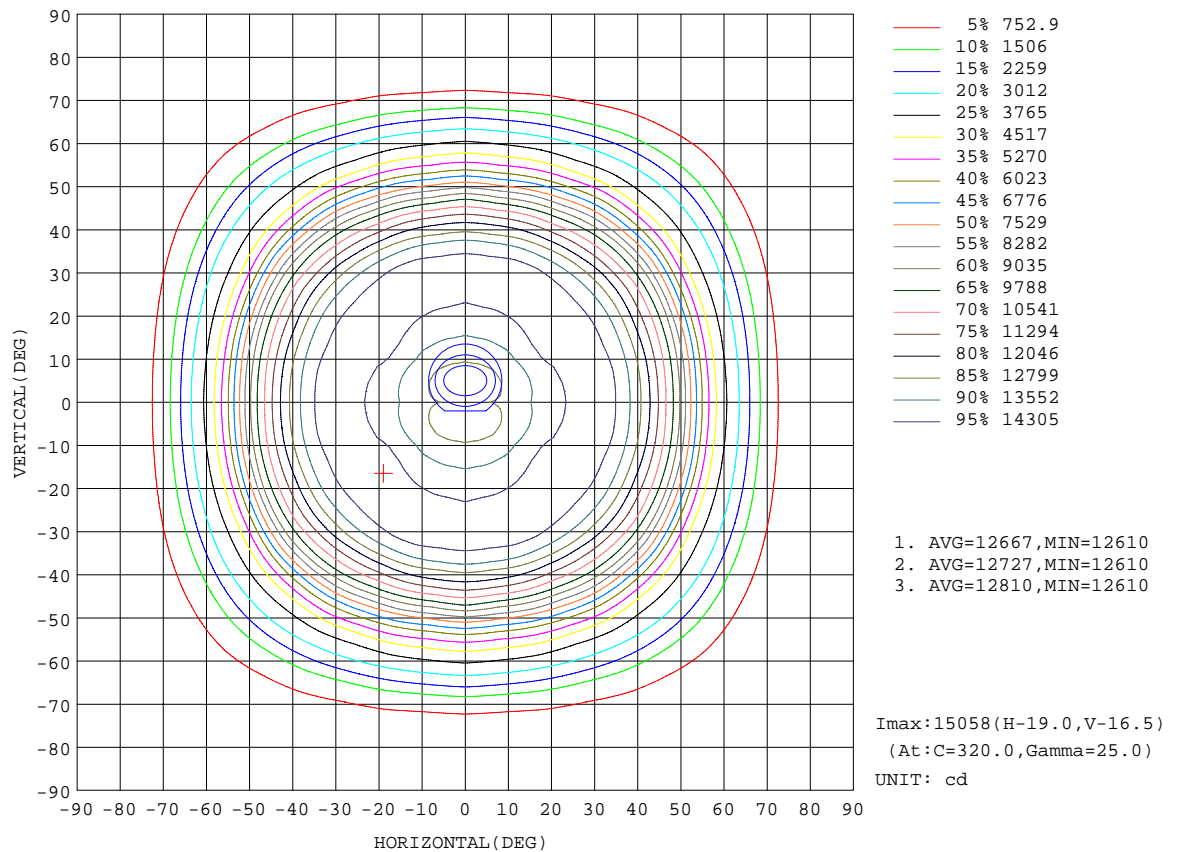
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	63	52	46	62	52	46	61	52	46	40
0.80	74	63	57	73	63	57	71	62	56	50
1.00	82	73	67	81	72	66	79	73	66	60
1.25	89	81	75	88	80	74	86	79	73	67
1.50	94	86	80	93	85	80	90	83	79	72
2.00	100	93	88	98	92	87	95	90	86	79
2.50	103	97	92	101	96	91	98	93	89	82
3.00	106	100	96	104	99	95	100	96	93	85
4.00	109	104	101	107	103	99	103	99	97	88
5.00	111	107	104	109	105	102	104	102	99	90
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:220.1V I:1.137A P:240.1W PF:0.9793 Freq:49.99Hz Lamp Flux:37378.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240WoH-5050-120D-PC	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

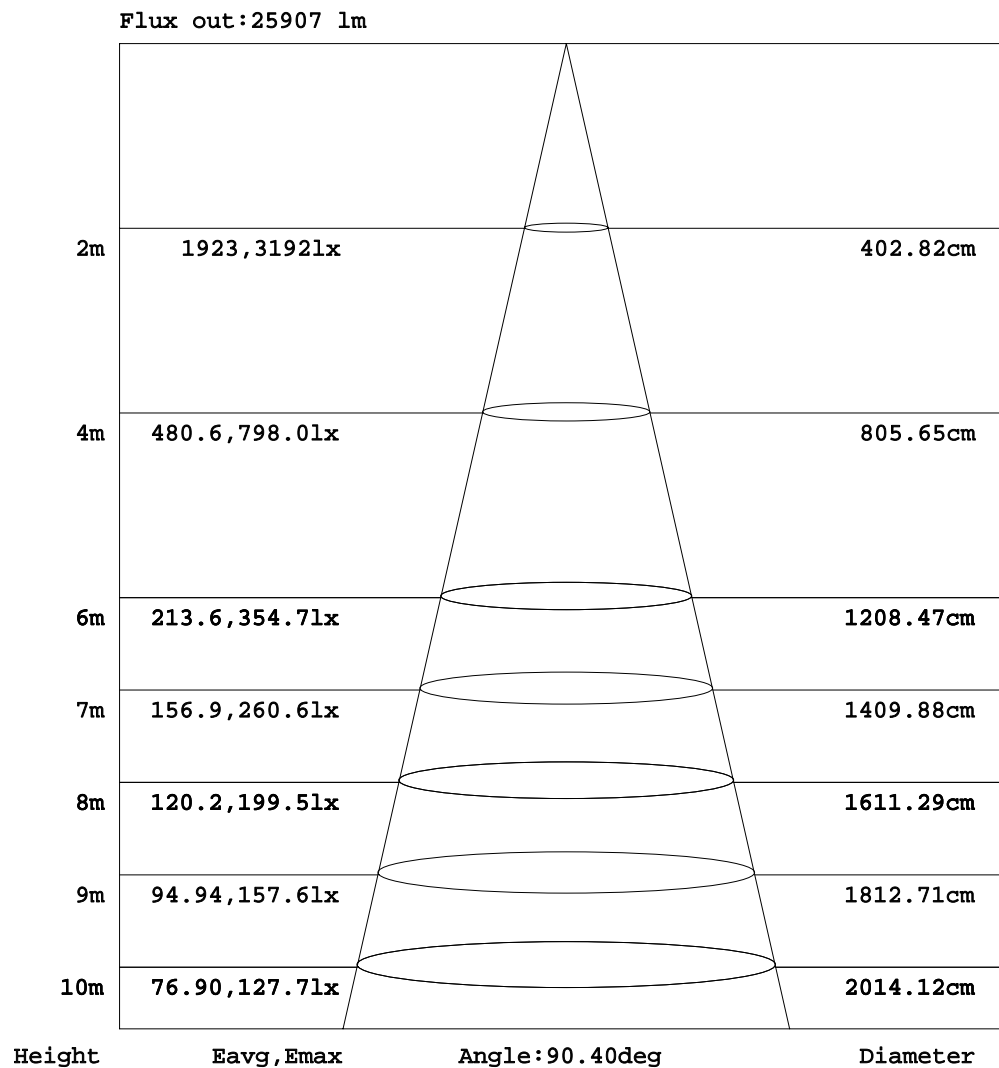


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-05

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:220.1V I:1.137A P:240.1W PF:0.9793 Freq:49.99Hz Lamp Flux:37378.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240WoH-5050-120D-PC	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:



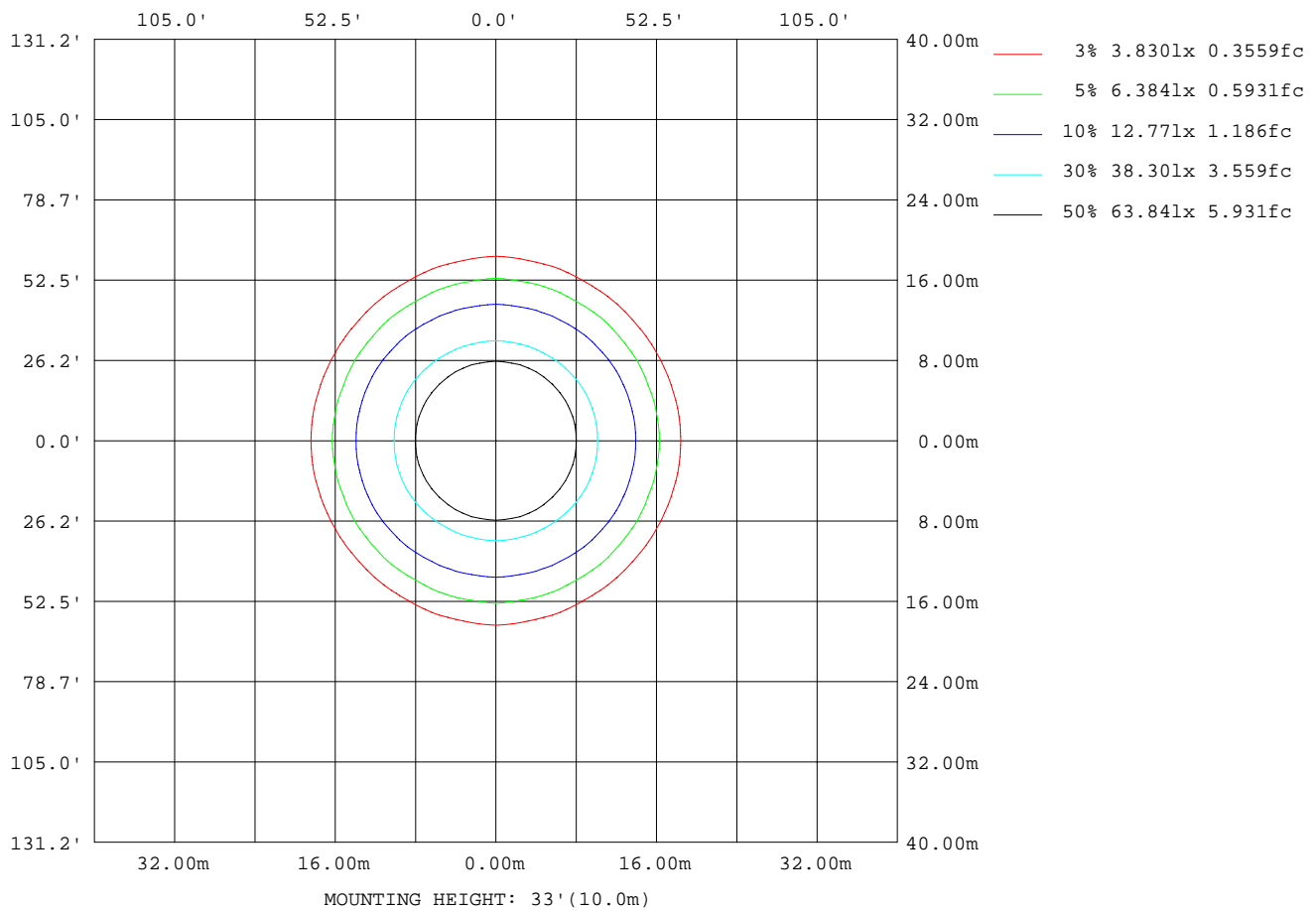
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:220.1V I:1.137A P:240.1W PF:0.9793 Freq:49.99Hz Lamp Flux:37378.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240Woh-5050-120D-PC	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:220.1V I:1.137A P:240.1W PF:0.9793 Freq:49.99Hz Lamp Flux:37378.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240WoH-5050-120D-PC	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

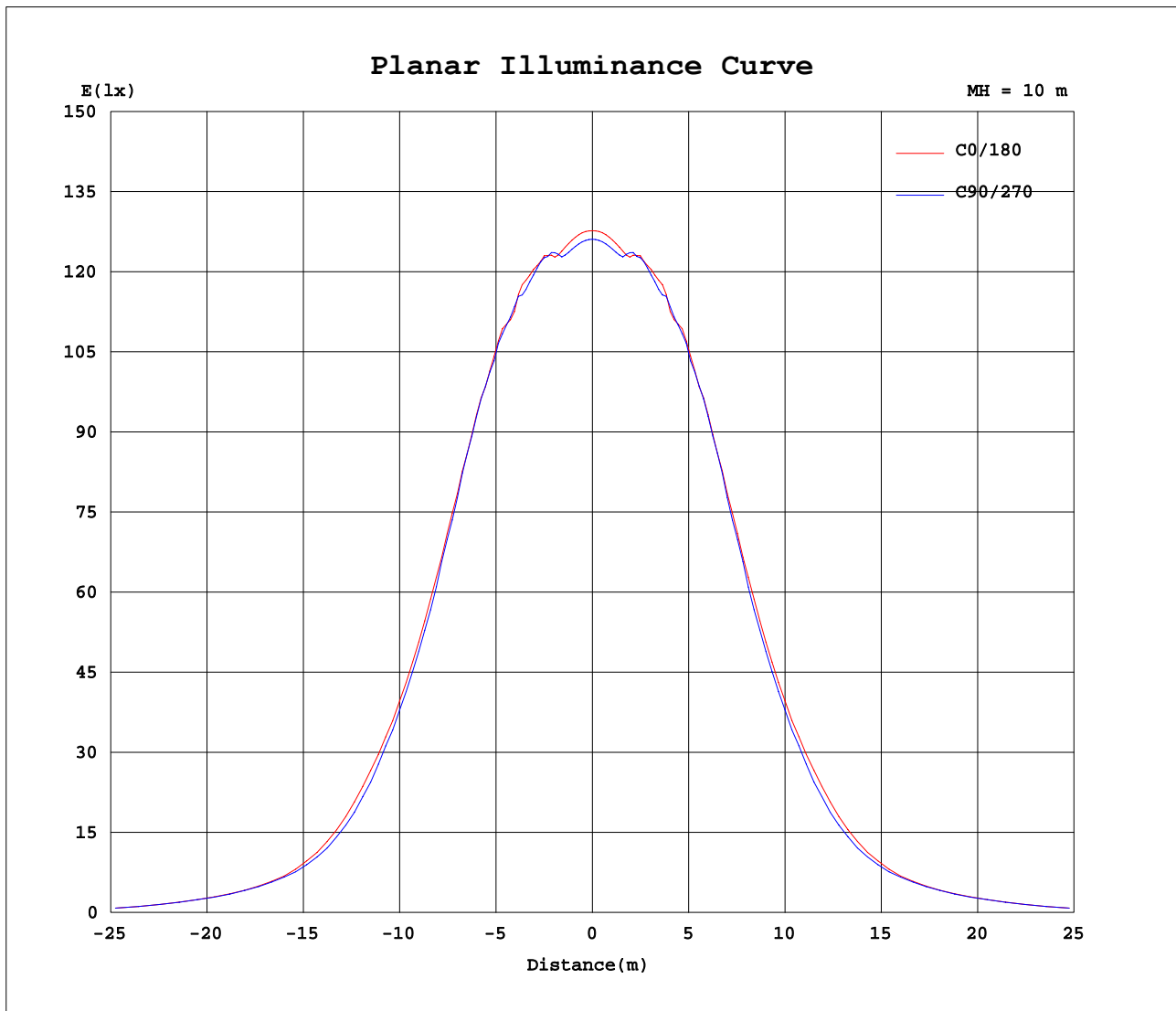
AvgL	cd/m2
L_0~180 (65) av	61191
L_0~180 (75) av	20088
L_0~180 (85) av	12741
L_90~270 (65) av	61127
L_90~270 (75) av	19883
L_90~270 (85) av	12526
L_45 (65) av	59480
L_45 (75) av	19178
L_45 (85) av	12059

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:220.1V I:1.137A P:240.1W PF:0.9793 Freq:49.99Hz Lamp Flux:37378.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240WoH-5050-120D-PC	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	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267
5	1270	1270	1269	1269	1269	1269	1269	1268	1268	1268	1268	1268	1269	1269	1269	1269	1269	1270	1270
10	1279	1280	1280	1280	1281	1282	1287	1291	1298	1297	1298	1291	1287	1282	1281	1280	1280	1280	1279
15	1343	1338	1340	1344	1353	1349	1354	1355	1359	1359	1359	1355	1354	1349	1353	1344	1340	1338	1343
20	1406	1408	1415	1426	1428	1423	1409	1405	1412	1400	1412	1405	1409	1423	1428	1426	1415	1408	1406
25	1457	1466	1481	1500	1507	1503	1493	1482	1477	1463	1477	1482	1493	1503	1507	1500	1481	1466	1457
30	1473	1476	1478	1485	1480	1488	1496	1497	1493	1488	1493	1497	1496	1488	1480	1485	1478	1476	1473
35	1417	1422	1415	1419	1414	1420	1430	1429	1414	1421	1414	1429	1430	1420	1414	1419	1415	1422	1417
40	1296	1303	1298	1302	1292	1284	1275	1271	1260	1268	1260	1271	1275	1284	1292	1302	1298	1303	1296
45	1112	1115	1112	1114	1095	1089	1067	1073	1058	1078	1058	1073	1067	1089	1095	1114	1112	1115	1112
50	883	891	895	889	861	854	818	820	801	821	801	820	818	854	861	889	895	891	883
55	594	598	582	583	569	570	552	553	540	556	540	553	552	570	569	583	582	598	594
60	394	390	381	384	377	380	371	381	381	391	381	381	371	380	377	384	381	390	394
65	259	256	255	253	253	250	247	250	252	258	252	250	247	250	253	253	255	256	259
70	114	113	112	111	109	108	106	107	107	110	107	107	106	108	109	111	112	113	114
75	52.0	52.9	51.1	51.3	49.6	49.7	48.4	49.8	49.3	51.5	49.3	49.8	48.4	49.7	49.6	51.3	51.1	52.9	52.0
80	23.8	24.5	23.4	23.7	22.9	22.7	22.4	22.8	22.7	24.2	22.7	22.8	22.4	22.7	22.9	23.7	23.4	24.5	23.8
85	11.1	11.1	10.7	10.7	10.5	10.5	10.3	10.5	10.5	10.9	10.5	10.5	10.3	10.5	10.5	10.7	10.7	11.1	11.1
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:2018-01-05

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:220.1V I:1.137A P:240.1W PF:0.9793 Freq:49.99Hz Lamp Flux:37378.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240WoH-5050-120D-PC	DIM.: ϕ 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.29M	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	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267		
5	1270	1269	1269	1269	1269	1269	1268	1268	1268	1268	1268	1269	1269	1269	1269	1269	1270		
10	1280	1280	1280	1281	1282	1287	1291	1298	1297	1298	1291	1287	1282	1281	1280	1280	1280		
15	1338	1340	1344	1353	1349	1354	1355	1359	1359	1359	1355	1354	1349	1353	1344	1340	1338		
20	1408	1415	1426	1428	1423	1409	1405	1412	1400	1412	1405	1409	1423	1428	1426	1415	1408		
25	1466	1481	1500	1507	1503	1493	1482	1477	1463	1477	1482	1493	1503	1507	1500	1481	1466		
30	1476	1478	1485	1480	1488	1496	1497	1493	1488	1493	1497	1496	1488	1480	1485	1478	1476		
35	1422	1415	1419	1414	1420	1430	1429	1414	1421	1414	1429	1430	1420	1414	1419	1415	1422		
40	1303	1298	1302	1292	1284	1275	1271	1260	1268	1260	1271	1275	1284	1292	1302	1298	1303		
45	1115	1112	1114	1095	1089	1067	1073	1058	1078	1058	1073	1067	1089	1095	1114	1112	1115		
50	891	895	889	861	854	818	820	801	821	801	820	818	854	861	889	895	891		
55	598	582	583	569	570	552	553	540	556	540	553	552	570	569	583	582	598		
60	390	381	384	377	380	371	381	381	391	381	381	371	380	377	384	381	390		
65	256	255	253	253	250	247	250	252	258	252	250	247	250	253	253	255	256		
70	113	112	111	109	108	106	107	107	110	107	107	106	108	109	111	112	113		
75	52.9	51.1	51.3	49.6	49.7	48.4	49.8	49.3	51.5	49.3	49.8	48.4	49.7	49.6	51.3	51.1	52.9		
80	24.5	23.4	23.7	22.9	22.7	22.4	22.8	22.7	24.2	22.7	22.8	22.4	22.7	22.9	23.7	23.4	24.5		
85	11.1	10.7	10.7	10.5	10.5	10.3	10.5	10.5	10.9	10.5	10.5	10.3	10.5	10.5	10.7	10.7	11.1		
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		
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: