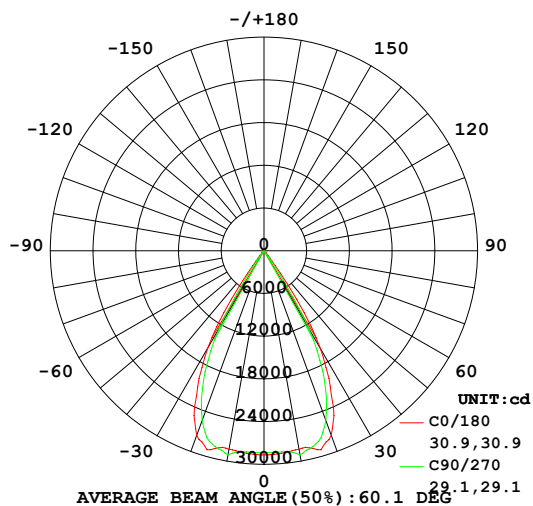


LUMINAIRE PHOTOMETRIC TEST REPORT

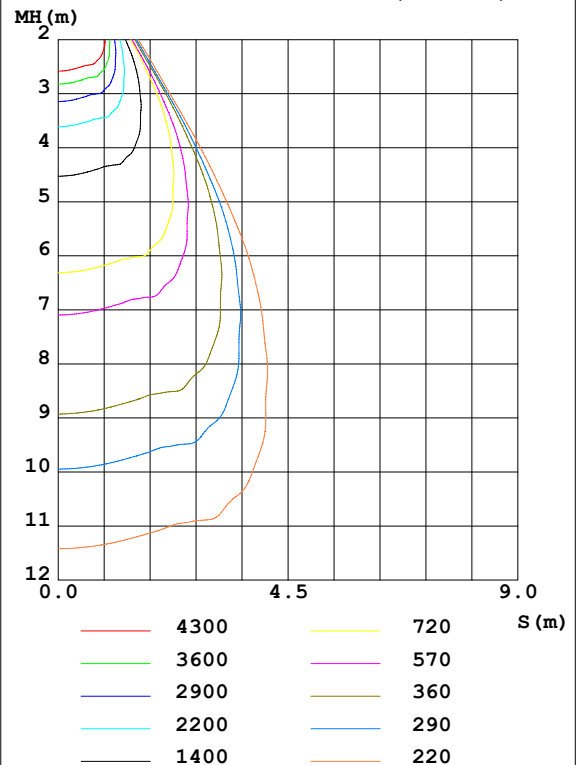
Test:U:219.9V I:0.7216A P:150.1W PF:0.9567 Freq:49.99Hz Lamp Flux:24080.6x1 lm					
NAME: AOK-oH		TYPE:LED		WEIGHT:4.6KG	
SPEC.:AOK-150Woh-5050-60D-PC		DIM.: $\phi 0.319 \times 0.138\text{M}$		SERIAL No.:	
MFR.: AOK		SUR.: $\phi 0.24\text{M}$		Shielding Angle:	

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 160.43 lm/W
MODEL	5050	I _{max} (cd)	29138	S/MH (C0/180)	0.90	
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	0.84	
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	24081	η UP,DN (C0-180)	0.0,50.0	
NOMINAL FLUX (lm)	24080.6	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,50.0	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE (V)	220.0	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: 2018-01-09

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:

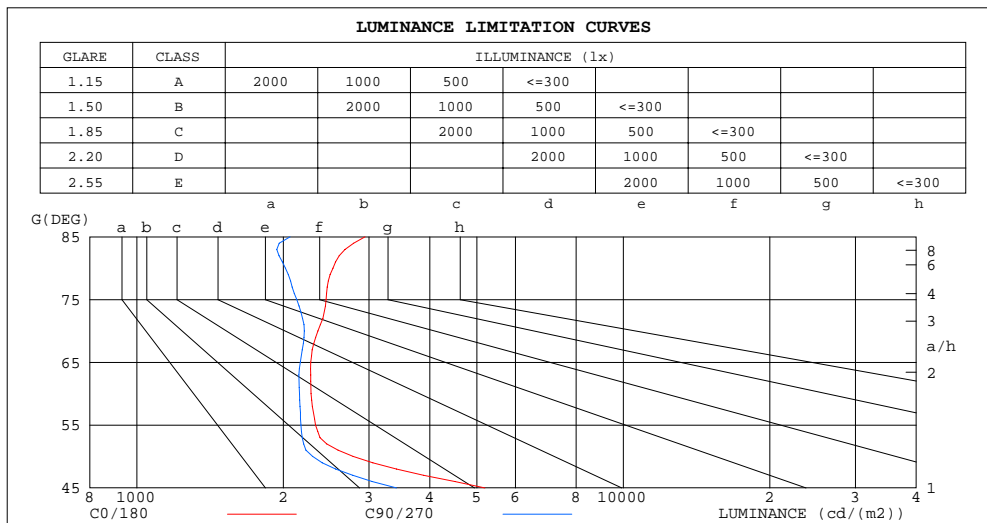
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	2830	2830	2914	2830	2830	2830	2914	2830	0- 10	2712	2712	11.3,11.3
20	2761	2655	2540	2655	2761	2655	2540	2655	10- 20	7965	10677	44.3,44.3
30	1583	1417	1256	1417	1583	1417	1256	1417	20- 30	9549	20226	84,84
40	98.79	66.99	47.10	66.99	98.79	66.99	47.10	66.99	30- 40	3307	23533	97.7,97.7
50	17.89	15.63	14.77	15.63	17.89	15.63	14.77	15.63	40- 50	252.5	23786	98.8,98.8
60	11.40	10.92	10.79	10.92	11.40	10.92	10.79	10.92	50- 60	115.7	23902	99.3,99.3
70	8.057	7.731	7.556	7.731	8.057	7.731	7.556	7.731	60- 70	92.28	23994	99.6,99.6
80	4.392	3.852	3.509	3.852	4.392	3.852	3.509	3.852	70- 80	62.23	24056	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	24.44	24081	100,100
100	0	0	0	0	0	0	0	0	90-100	0	24081	100,100
110	0	0	0	0	0	0	0	0	100-110	0	24081	100,100
120	0	0	0	0	0	0	0	0	110-120	0	24081	100,100
130	0	0	0	0	0	0	0	0	120-130	0	24081	100,100
140	0	0	0	0	0	0	0	0	130-140	0	24081	100,100
150	0	0	0	0	0	0	0	0	140-150	0	24081	100,100
160	0	0	0	0	0	0	0	0	150-160	0	24081	100,100
170	0	0	0	0	0	0	0	0	160-170	0	24081	100,100
180	0	0	0	0	0	0	0	0	170-180	0	24081	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-09

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:219.9V I:0.7216A P:150.1W PF:0.9567 Freq:49.99Hz Lamp Flux:24080.6x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150Woh-5050-60D-PC	DIM.: $\phi 0.319 \times 0.138M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.24M$	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2943	2066
80	2529	2021
75	2448	2132
70	2356	2209
65	2277	2168
60	2281	2159
55	2330	2175
50	2783	2298
45	5194	3417

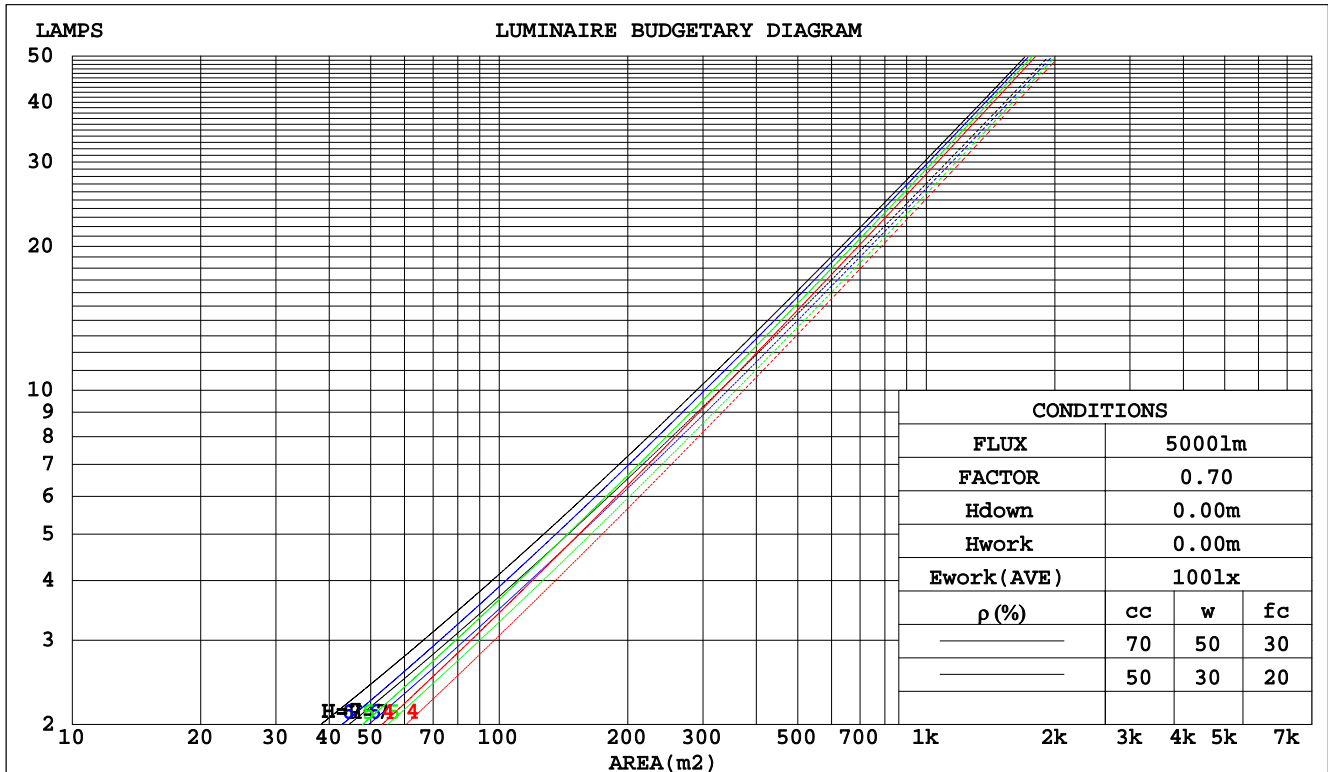
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-09

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.9V I:0.7216A P:150.1W PF:0.9567 Freq:49.99Hz Lamp Flux:24080.6x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-5050-60D-PC	DIM.: $\phi 0.319 \times 0.138M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.24M$	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	1.11	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	.94	.92	.90	.88
3.0	.98	.93	.89	.96	.92	.89	.94	.90	.87	.91	.88	.86	.89	.87	.85	.83
4.0	.92	.87	.83	.91	.86	.82	.89	.85	.81	.87	.83	.81	.85	.82	.80	.78
5.0	.87	.81	.77	.86	.81	.77	.84	.80	.76	.82	.79	.76	.81	.78	.75	.74
6.0	.82	.76	.72	.81	.76	.72	.80	.75	.72	.78	.74	.71	.77	.74	.71	.69
7.0	.78	.72	.68	.77	.72	.68	.76	.71	.68	.74	.70	.67	.73	.70	.67	.65
8.0	.73	.68	.64	.73	.68	.64	.72	.67	.64	.71	.67	.63	.70	.66	.63	.62
9.0	.70	.64	.61	.69	.64	.60	.68	.64	.60	.68	.63	.60	.67	.63	.60	.59
10.0	.66	.61	.57	.66	.61	.57	.65	.60	.57	.64	.60	.57	.64	.60	.57	.56



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-09

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:219.9V I:0.7216A P:150.1W PF:0.9567 Freq:49.99Hz Lamp Flux:24080.6x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-5050-60D-PC	DIM.: ϕ 0.319*0.138M	SERIAL No.:
MFR.: AOK	SUR.: ϕ 0.24M	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	.096	.031	.163	.093	.029	.150	.086	.028	.139	.080	.026	.128	.074	.024	
2.0	.161	.088	.027	.155	.085	.026	.145	.080	.025	.135	.076	.024	.126	.071	.022	
3.0	.152	.081	.024	.148	.079	.024	.139	.075	.023	.130	.071	.022	.123	.068	.021	
4.0	.145	.075	.022	.141	.074	.022	.133	.070	.021	.126	.068	.020	.119	.065	.020	
5.0	.138	.070	.020	.134	.069	.020	.128	.066	.020	.121	.064	.019	.116	.062	.019	
6.0	.132	.066	.019	.129	.065	.019	.123	.063	.018	.117	.061	.018	.112	.059	.018	
7.0	.126	.062	.018	.123	.061	.018	.118	.060	.017	.113	.058	.017	.109	.056	.017	
8.0	.121	.059	.017	.118	.058	.016	.114	.057	.016	.109	.055	.016	.105	.054	.016	
9.0	.116	.056	.016	.114	.055	.016	.110	.054	.015	.106	.053	.015	.102	.052	.015	
10.0	.112	.053	.015	.110	.053	.015	.106	.052	.015	.102	.051	.014	.099	.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	.083	.068	.055	.048	.040	.033	.015	.013	.011	
4.0	.131	.099	.074	.112	.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	.013	.010	.007	
6.0	.114	.077	.051	.098	.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	.035	.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	.055	.033	.017	.032	.019	.010	.010	.006	.003	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-09

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:219.9V I:0.7216A P:150.1W PF:0.9567 Freq:49.99Hz Lamp Flux:24080.6x1 lm										
NAME: AOK-oH					TYPE:LED			WEIGHT:4.6KG		
SPEC.:AOK-150WoH-5050-60D-PC					DIM.: ϕ 0.319*0.138M			SERIAL No.:		
MFR.: AOK					SUR.: ϕ 0.24M			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	7.3	8.2	7.5	8.3	8.5	3.4	4.3	3.6	4.4	4.6
3H	7.1	8.0	7.4	8.1	8.3	3.3	4.1	3.6	4.3	4.5
4H	7.1	7.9	7.4	8.1	8.3	3.3	4.1	3.6	4.3	4.5
6H	7.0	7.8	7.3	8.0	8.2	3.3	4.0	3.6	4.2	4.5
8H	7.0	7.7	7.3	7.9	8.2	3.3	4.0	3.6	4.2	4.5
12H	7.0	7.6	7.3	7.9	8.2	3.2	3.9	3.6	4.2	4.4
4H 2H	7.0	7.8	7.3	8.0	8.2	3.2	3.9	3.4	4.1	4.4
3H	6.9	7.6	7.2	7.8	8.1	3.2	3.8	3.5	4.1	4.4
4H	6.9	7.5	7.2	7.8	8.1	3.2	3.8	3.5	4.1	4.4
6H	6.8	7.4	7.2	7.7	8.0	3.2	3.7	3.6	4.1	4.4
8H	6.8	7.3	7.2	7.7	8.0	3.2	3.7	3.6	4.0	4.4
12H	6.8	7.2	7.2	7.6	8.0	3.2	3.6	3.6	4.0	4.4
8H 4H	6.7	7.2	7.1	7.6	8.0	3.1	3.6	3.5	3.9	4.3
6H	6.7	7.1	7.1	7.5	7.9	3.2	3.6	3.6	4.0	4.4
8H	6.7	7.1	7.2	7.5	7.9	3.2	3.6	3.6	4.0	4.4
12H	6.7	7.0	7.2	7.5	7.9	3.2	3.5	3.7	4.0	4.4
12H 4H	6.7	7.1	7.1	7.5	7.9	3.1	3.5	3.5	3.9	4.3
6H	6.7	7.0	7.1	7.5	7.9	3.1	3.5	3.6	3.9	4.4
8H	6.7	7.0	7.1	7.4	7.9	3.2	3.5	3.7	3.9	4.4
Variations with the observer position at spacings:										
S = 1.0H	+ 4.1 / - 2.9					+ 1.8 / - 1.3				
1.5H	+ 6.5 / - 2.8					+ 3.5 / - 1.2				
2.0H	+ 1.4 / - 0.3					+ 0.6 / - 0.3				

CIE Pub.117, 24081 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 11.1$)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-09

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:219.9V I:0.7216A P:150.1W PF:0.9567 Freq:49.99Hz Lamp Flux:24080.6x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-5050-60D-PC	DIM.: $\phi 0.319 \times 0.138M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.24M$	Shielding Angle:

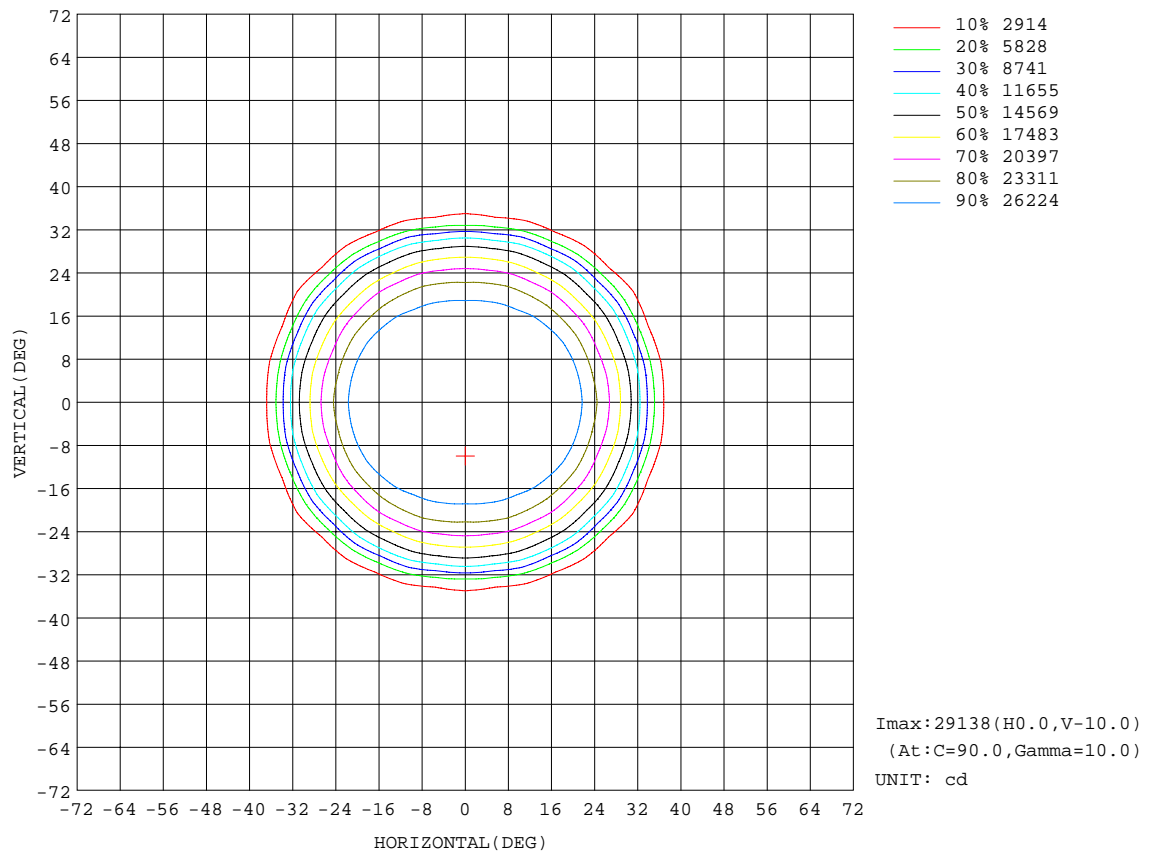
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	90	84	81	90	84	81	89	84	81	77
0.80	97	92	88	97	92	88	95	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:2018-01-09

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:219.9V I:0.7216A P:150.1W PF:0.9567 Freq:49.99Hz Lamp Flux:24080.6x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150Woh-5050-60D-PC	DIM.: $\phi 0.319 \times 0.138\text{M}$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.24\text{M}$	Shielding Angle:

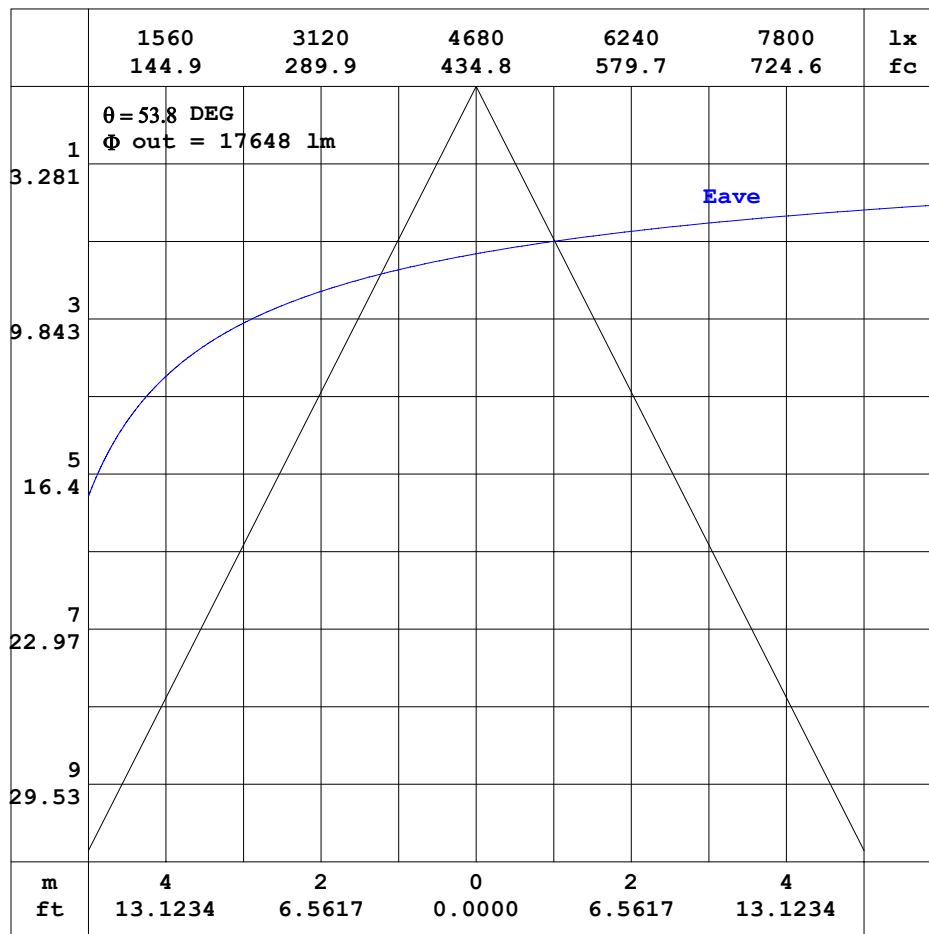


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-09

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 CURVES

Test:U:219.9V I:0.7216A P:150.1W PF:0.9567 Freq:49.99Hz Lamp Flux:24080.6x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-5050-60D-PC	DIM.: $\phi 0.319 \times 0.138M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.24M$	Shielding Angle:



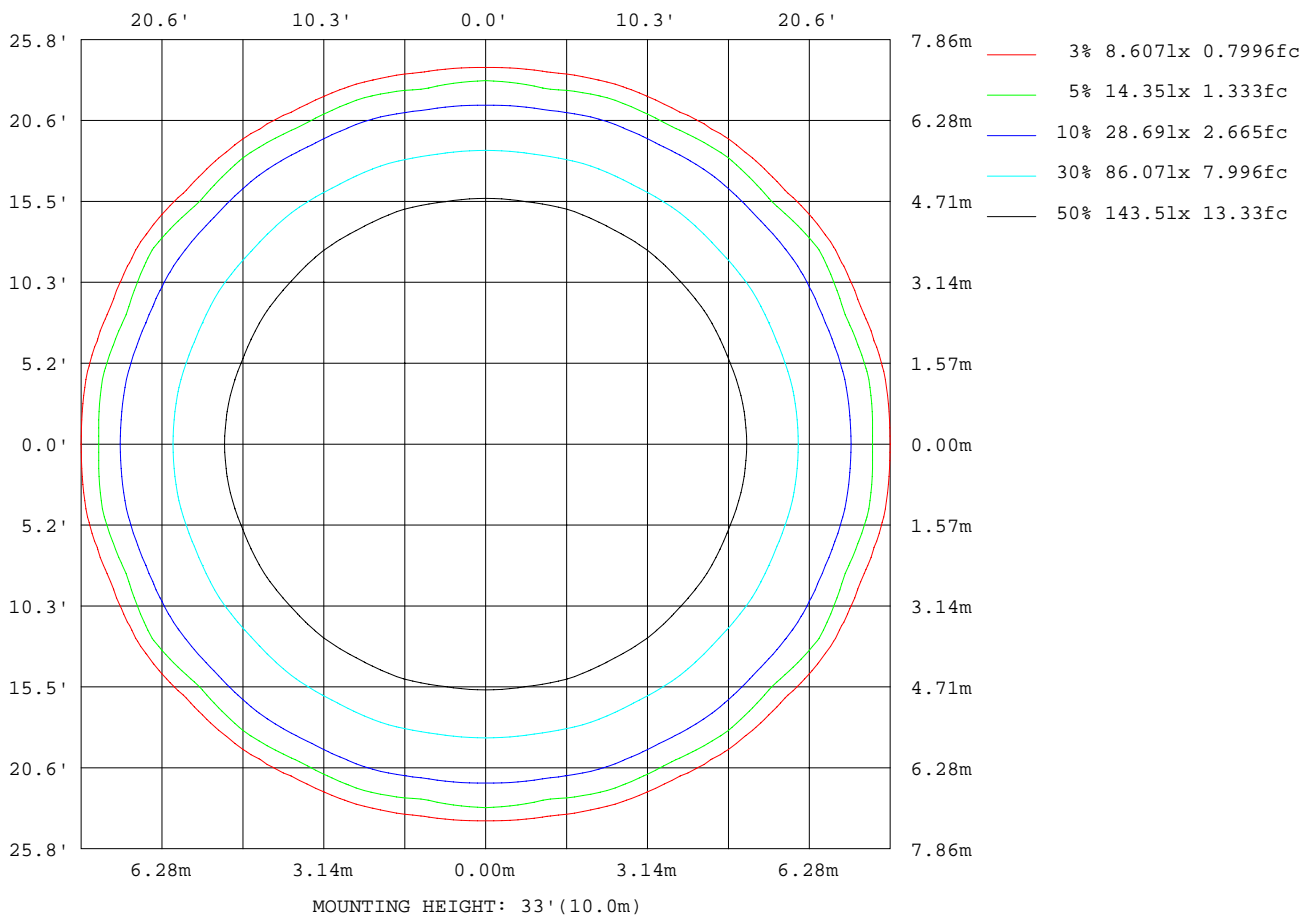
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-09

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:219.9V I:0.7216A P:150.1W PF:0.9567 Freq:49.99Hz Lamp Flux:24080.6x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-5050-60D-PC	DIM.: ϕ 0.319*0.138M	SERIAL No.:
MFR.: AOK	SUR.: ϕ 0.24M	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-09

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:219.9V I:0.7216A P:150.1W PF:0.9567 Freq:49.99Hz Lamp Flux:24080.6x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150Woh-5050-60D-PC	DIM.: ϕ 0.319*0.138M	SERIAL No.:
MFR.: AOK	SUR.: ϕ 0.24M	Shielding Angle:

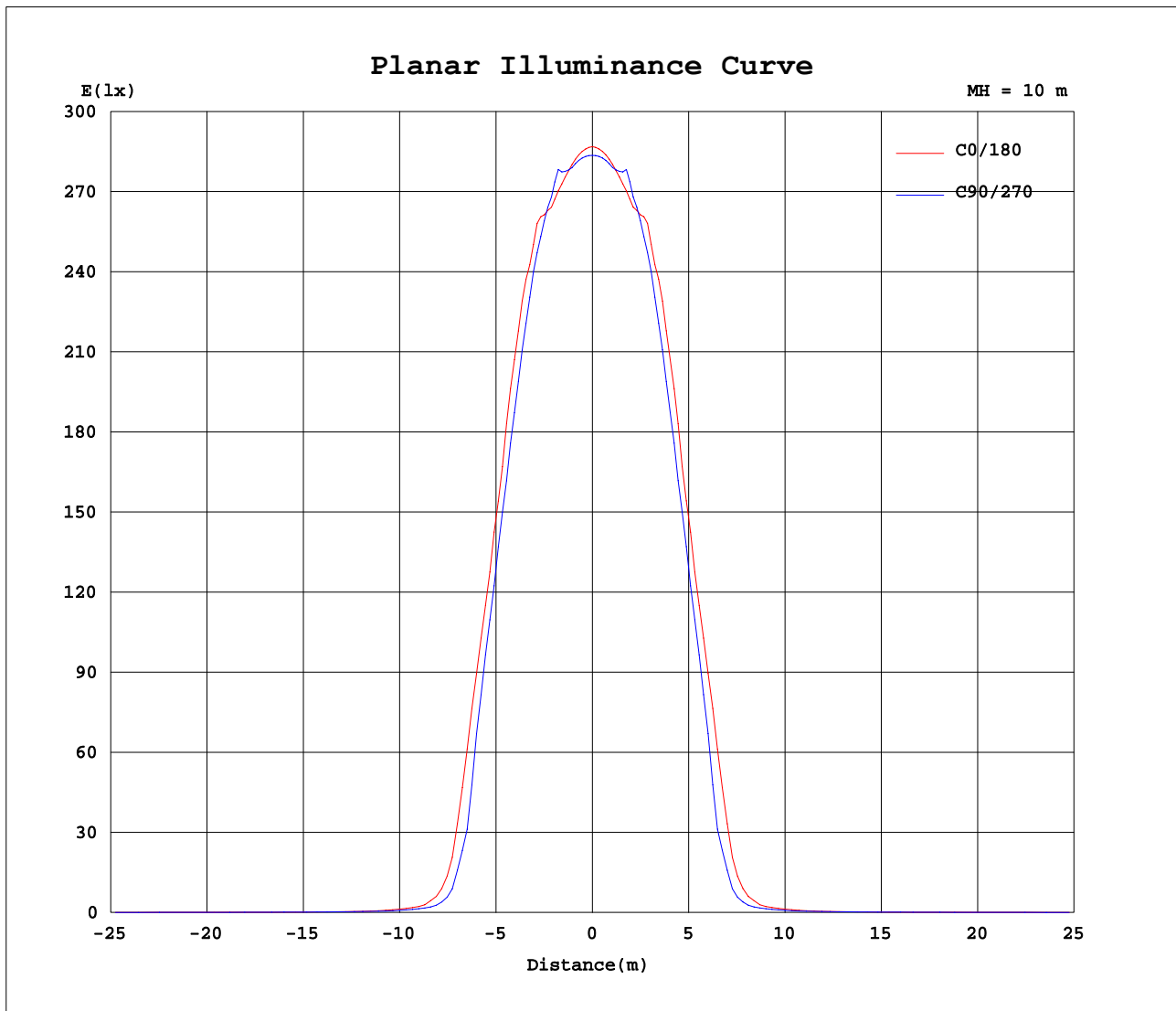
AvgL	cd/m2
L_0~180 (65) av	2277
L_0~180 (75) av	2448
L_0~180 (85) av	2943
L_90~270 (65) av	2168
L_90~270 (75) av	2132
L_90~270 (85) av	2066
L_45 (65) av	2192
L_45 (75) av	2259
L_45 (85) av	2343

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-09

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: 2018-01-09

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:219.9V I:0.7216A P:150.1W PF:0.9567 Freq:49.99Hz Lamp Flux:24080.6x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-5050-60D-PC	DIM.: $\phi 0.319 \times 0.138M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.24M$	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	2869	2863	2859	2855	2851	2848	2844	2841	2838	2836	2838	2841	2844	2848	2851	2855	2859	2863	2869
5	2854	2850	2846	2844	2842	2841	2839	2839	2838	2838	2838	2839	2839	2841	2842	2844	2846	2850	2854
10	2830	2828	2824	2823	2825	2835	2847	2868	2898	2914	2898	2868	2847	2835	2825	2823	2824	2828	2830
15	2892	2896	2911	2888	2851	2863	2851	2844	2834	2809	2834	2844	2851	2863	2851	2888	2911	2896	2892
20	2761	2746	2736	2707	2667	2643	2594	2579	2552	2540	2552	2579	2594	2643	2667	2707	2736	2746	2761
25	2243	2229	2186	2182	2143	2127	2074	2063	2019	2014	2019	2063	2074	2127	2143	2182	2186	2229	2243
30	1583	1586	1520	1499	1424	1410	1339	1324	1262	1256	1262	1324	1339	1410	1424	1499	1520	1586	1583
35	606	593	515	486	403	383	320	327	253	289	253	327	320	383	403	486	515	593	606
40	98.8	91.9	86.8	78.2	69.1	64.8	57.6	54.4	49.1	47.1	49.1	54.4	57.6	64.8	69.1	78.2	86.8	91.9	98.8
45	36.7	36.4	34.0	33.3	30.3	28.6	26.3	26.3	24.5	24.2	24.5	26.3	26.3	28.6	30.3	33.3	34.0	36.4	36.7
50	17.9	17.7	17.0	16.6	15.9	15.4	15.0	15.0	14.9	14.8	14.9	15.0	15.0	15.4	15.9	16.6	17.0	17.7	17.9
55	13.4	13.2	13.0	12.9	12.8	12.6	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.6	12.8	12.9	13.0	13.2	13.4
60	11.4	11.3	11.2	11.1	11.0	10.9	10.7	10.7	10.7	10.8	10.7	10.7	10.7	10.9	11.0	11.1	11.2	11.3	11.4
65	9.62	9.59	9.49	9.44	9.27	9.26	9.07	9.01	9.02	9.16	9.02	9.01	9.07	9.26	9.27	9.44	9.49	9.59	9.62
70	8.06	8.12	8.02	7.93	7.75	7.71	7.54	7.53	7.47	7.56	7.47	7.53	7.54	7.71	7.75	7.93	8.02	8.12	8.06
75	6.34	6.41	6.27	6.11	5.88	5.82	5.65	5.67	5.55	5.52	5.55	5.67	5.65	5.82	5.88	6.11	6.27	6.41	6.34
80	4.39	4.40	4.25	4.09	3.87	3.83	3.70	3.72	3.61	3.51	3.61	3.72	3.70	3.83	3.87	4.09	4.25	4.40	4.39
85	2.57	2.52	2.37	2.26	2.08	2.02	1.94	1.93	1.84	1.80	1.84	1.93	1.94	2.02	2.08	2.26	2.37	2.52	2.57
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: 2018-01-09

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:219.9V I:0.7216A P:150.1W PF:0.9567 Freq:49.99Hz Lamp Flux:24080.6x1 lm																	
NAME: AOK-oH									TYPE:LED						WEIGHT:4.6KG		
SPEC.:AOK-150WoH-5050-60D-PC									DIM.: ϕ 0.319*0.138M						SERIAL No.:		
MFR.: AOK									SUR.: ϕ 0.24M						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	2863	2859	2855	2851	2848	2844	2841	2838	2836	2838	2841	2844	2848	2851	2855	2859	2863		
5	2850	2846	2844	2842	2841	2839	2839	2838	2838	2838	2839	2839	2841	2842	2844	2846	2850		
10	2828	2824	2823	2825	2835	2847	2868	2898	2914	2898	2868	2847	2835	2825	2823	2824	2828		
15	2896	2911	2888	2851	2863	2851	2844	2834	2809	2834	2844	2851	2863	2851	2888	2911	2896		
20	2746	2736	2707	2667	2643	2594	2579	2552	2540	2552	2579	2594	2643	2667	2707	2736	2746		
25	2229	2186	2182	2143	2127	2074	2063	2019	2014	2019	2063	2074	2127	2143	2182	2186	2229		
30	1586	1520	1499	1424	1410	1339	1324	1262	1256	1262	1324	1339	1410	1424	1499	1520	1586		
35	593	515	486	403	383	320	327	253	289	253	327	320	383	403	486	515	593		
40	91.9	86.8	78.2	69.1	64.8	57.6	54.4	49.1	47.1	49.1	54.4	57.6	64.8	69.1	78.2	86.8	91.9		
45	36.4	34.0	33.3	30.3	28.6	26.3	26.3	24.5	24.2	24.5	26.3	26.3	28.6	30.3	33.3	34.0	36.4		
50	17.7	17.0	16.6	15.9	15.4	15.0	15.0	14.9	14.8	14.9	15.0	15.0	15.4	15.9	16.6	17.0	17.7		
55	13.2	13.0	12.9	12.8	12.6	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.6	12.8	12.9	13.0	13.2		
60	11.3	11.2	11.1	11.0	10.9	10.7	10.7	10.7	10.8	10.7	10.7	10.7	10.9	11.0	11.1	11.2	11.3		
65	9.59	9.49	9.44	9.27	9.26	9.07	9.01	9.02	9.16	9.02	9.01	9.07	9.26	9.27	9.44	9.49	9.59		
70	8.12	8.02	7.93	7.75	7.71	7.54	7.53	7.47	7.56	7.47	7.53	7.54	7.71	7.75	7.93	8.02	8.12		
75	6.41	6.27	6.11	5.88	5.82	5.65	5.67	5.55	5.52	5.55	5.67	5.65	5.82	5.88	6.11	6.27	6.41		
80	4.40	4.25	4.09	3.87	3.83	3.70	3.72	3.61	3.51	3.61	3.72	3.70	3.83	3.87	4.09	4.25	4.40		
85	2.52	2.37	2.26	2.08	2.02	1.94	1.93	1.84	1.80	1.84	1.93	1.94	2.02	2.08	2.26	2.37	2.52		
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:2018-01-09

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: