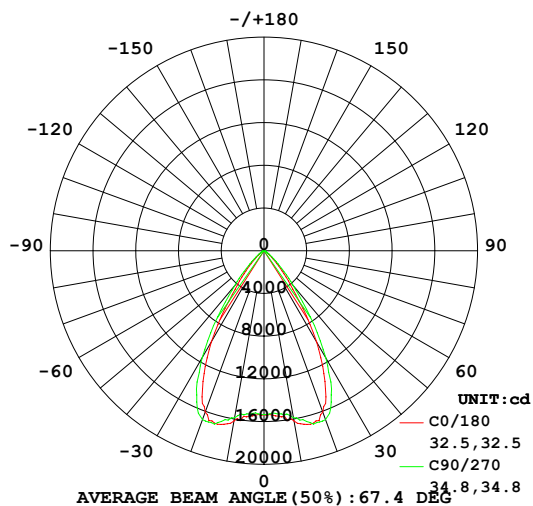


LUMINAIRE PHOTOMETRIC TEST REPORT

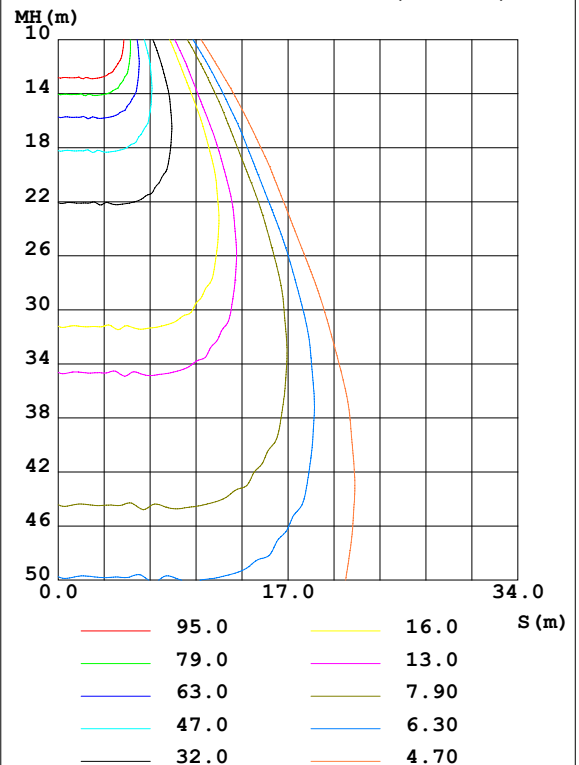
Test:U:220.0V I:0.7389A P:150.1W PF:0.9589 Freq:49.99Hz Lamp Flux:19105.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150Woh-3030-60D-PC-ALL	DIM.: ϕ 0.24M	SERIAL No.:1
MFR.: AOK	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 127.28 lm/W			
MODEL	3030	I _{max} (cd)	17015	S/MH (C0/180)	0.95
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.01
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	19105	η UP,DN (C0-180)	0.0,50.0
NOMINAL FLUX (lm)	19105.2	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,50.0
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	0.95

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	1618	1603	1589	1603	1618	1603	1589	1603	0- 10	1484	1484	7.77,7.77
20	1608	1611	1683	1611	1608	1611	1683	1611	10- 20	4674	6158	32.2,32.2
30	987.1	1022	1157	1022	987.1	1022	1157	1022	20- 30	6271	12429	65.1,65.1
40	322.0	361.6	426.1	361.6	322.0	361.6	426.1	361.6	30- 40	4070	16499	86.4,86.4
50	91.94	108.4	121.0	108.4	91.94	108.4	121.0	108.4	40- 50	1615	18114	94.8,94.8
60	32.32	34.50	36.46	34.50	32.32	34.50	36.46	34.50	50- 60	541.5	18655	97.6,97.6
70	17.69	18.30	19.57	18.30	17.69	18.30	19.57	18.30	60- 70	246.8	18902	98.9,98.9
80	7.985	8.452	9.479	8.452	7.985	8.452	9.479	8.452	70- 80	138.7	19041	99.7,99.7
90	0	0	0	0	0	0	0	0	80- 90	64.32	19105	100,100
100	0	0	0	0	0	0	0	0	90-100	0	19105	100,100
110	0	0	0	0	0	0	0	0	100-110	0	19105	100,100
120	0	0	0	0	0	0	0	0	110-120	0	19105	100,100
130	0	0	0	0	0	0	0	0	120-130	0	19105	100,100
140	0	0	0	0	0	0	0	0	130-140	0	19105	100,100
150	0	0	0	0	0	0	0	0	140-150	0	19105	100,100
160	0	0	0	0	0	0	0	0	150-160	0	19105	100,100
170	0	0	0	0	0	0	0	0	160-170	0	19105	100,100
180	0	0	0	0	0	0	0	0	170-180	0	19105	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 17515 lm

%lum = 91.7%

%lamp = 91.7%

Conical surface Flux(120deg): 18655 lm

%lum = 97.6%

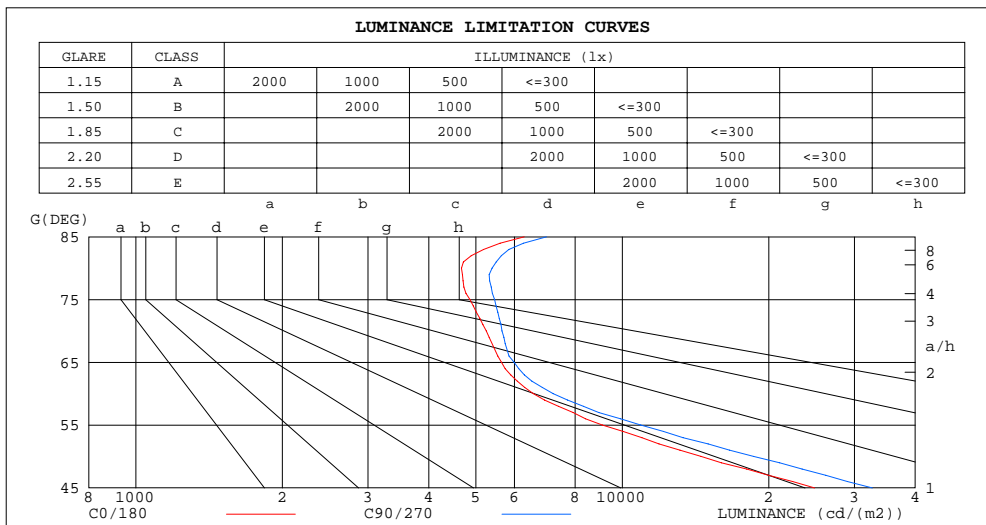
%lamp = 97.6%

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:

LUMINANCE LIMITATION CURVES

Test:U:220.0V I:0.7389A P:150.1W PF:0.9589 Freq:49.99Hz Lamp Flux:19105.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150Woh-3030-60D-PC-ALL	DIM.: ϕ 0.24M	SERIAL No.:1
MFR.: AOK	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	6285	6983
80	4669	5396
75	4862	5464
70	5252	5658
65	5643	5991
60	6563	7209
55	9095	10907
50	14522	18614
45	24843	32667

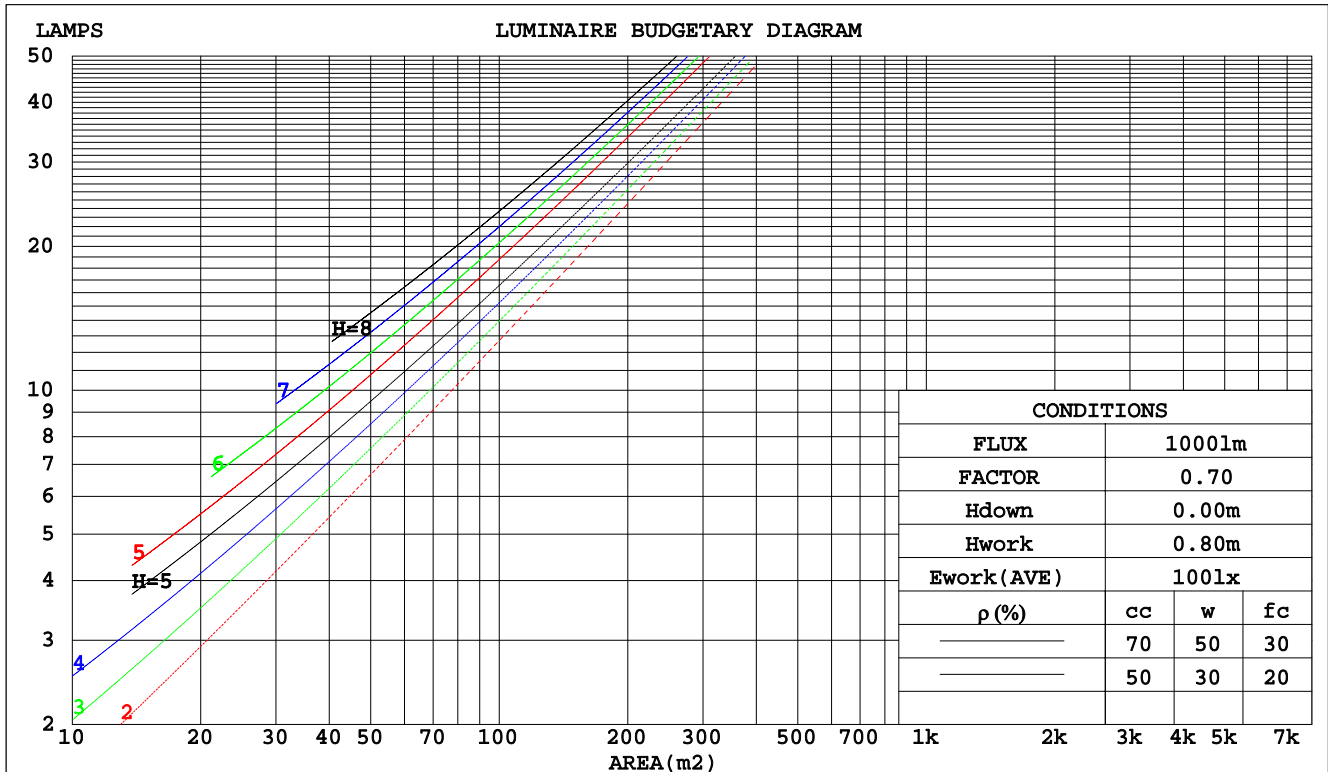
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-08

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:0.7389A P:150.1W PF:0.9589 Freq:49.99Hz Lamp Flux:19105.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150Woh-3030-60D-PC-ALL	DIM.: ϕ 0.24M	SERIAL No.:1
MFR.: AOK	SUR.:	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	1.10	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	.00	.96	.92	.96	.93	.90	.93	.91	.88	.91	.88	.86	.85
3.0	.94	.88	.84	.92	.87	.83	.90	.86	.82	.87	.84	.81	.85	.82	.80	.78
4.0	.87	.81	.76	.86	.80	.76	.84	.79	.75	.82	.78	.74	.80	.76	.73	.72
5.0	.81	.75	.70	.80	.74	.70	.78	.73	.69	.76	.72	.68	.75	.71	.68	.66
6.0	.75	.69	.64	.75	.69	.64	.73	.68	.64	.72	.67	.63	.70	.66	.63	.61
7.0	.71	.64	.60	.70	.64	.59	.69	.63	.59	.67	.62	.59	.66	.62	.58	.57
8.0	.66	.60	.55	.65	.59	.55	.64	.59	.55	.63	.58	.55	.62	.58	.54	.53
9.0	.62	.56	.52	.62	.56	.51	.61	.55	.51	.60	.55	.51	.59	.54	.51	.49
10.0	.58	.52	.48	.58	.52	.48	.57	.52	.48	.56	.51	.48	.56	.51	.48	.46



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:0.7389A P:150.1W PF:0.9589 Freq:49.99Hz Lamp Flux:19105.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-3030-60D-PC-ALL	DIM.: ϕ 0.24M	SERIAL No.:1
MFR.: AOK	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.195	.111	.035	.188	.108	.034	.176	.101	.032	.164	.095	.030	.153	.089	.029	
2.0	.187	.102	.031	.181	.100	.031	.170	.095	.029	.160	.090	.028	.151	.085	.027	
3.0	.177	.094	.028	.172	.092	.028	.163	.088	.027	.155	.085	.026	.147	.081	.025	
4.0	.168	.088	.026	.164	.086	.025	.156	.083	.025	.149	.080	.024	.142	.077	.023	
5.0	.160	.082	.024	.156	.080	.023	.149	.078	.023	.143	.075	.022	.137	.073	.022	
6.0	.152	.076	.022	.149	.075	.022	.143	.073	.021	.137	.071	.021	.132	.069	.021	
7.0	.145	.072	.020	.142	.071	.020	.137	.069	.020	.132	.068	.020	.127	.066	.019	
8.0	.139	.068	.019	.136	.067	.019	.131	.066	.019	.127	.064	.018	.122	.063	.018	
9.0	.133	.064	.018	.130	.063	.018	.126	.062	.018	.122	.061	.017	.118	.060	.017	
10.0	.127	.061	.017	.125	.060	.017	.121	.059	.017	.117	.058	.017	.114	.057	.016	

pcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	.143	.147	.135	.123	.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	.058	.111	.076	.050	.076	.053	.035	.044	.031	.021	.014	.010	.007	
6.0	.122	.079	.048	.104	.068	.042	.072	.048	.030	.042	.028	.018	.013	.009	.006	
7.0	.115	.071	.041	.099	.062	.035	.068	.043	.025	.040	.026	.015	.013	.008	.005	
8.0	.110	.065	.035	.094	.057	.030	.065	.040	.021	.038	.023	.013	.012	.008	.004	
9.0	.105	.060	.030	.090	.052	.026	.062	.037	.019	.036	.022	.011	.012	.007	.004	
10.0	.100	.056	.026	.086	.048	.023	.060	.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:2018-01-08

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:0.7389A P:150.1W PF:0.9589 Freq:49.99Hz Lamp Flux:19105.2x1 lm										
NAME: AOK-oH					TYPE:LED			WEIGHT:4.6KG		
SPEC.:AOK-150WoH-3030-60D-PC-ALL					DIM.: ϕ 0.24M			SERIAL No.:1		
MFR.: AOK					SUR.:			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	9.3	10.3	9.5	10.5	10.7	10.1	11.2	10.3	11.3	11.5
3H	9.3	10.2	9.6	10.4	10.7	10.1	11.1	10.4	11.3	11.5
4H	9.3	10.2	9.6	10.4	10.7	10.1	11.0	10.4	11.2	11.5
6H	9.3	10.2	9.6	10.4	10.7	10.1	11.0	10.4	11.2	11.5
8H	9.3	10.1	9.6	10.4	10.6	10.1	10.9	10.4	11.2	11.5
12H	9.3	10.1	9.6	10.4	10.7	10.1	10.9	10.5	11.2	11.5
4H 2H	9.1	10.0	9.4	10.2	10.5	9.9	10.8	10.2	11.1	11.3
3H	9.2	10.0	9.5	10.3	10.5	10.0	10.8	10.3	11.0	11.3
4H	9.3	10.0	9.6	10.3	10.6	10.1	10.8	10.4	11.1	11.4
6H	9.4	10.0	9.7	10.3	10.7	10.1	10.7	10.5	11.1	11.4
8H	9.4	10.0	9.8	10.3	10.7	10.1	10.7	10.5	11.1	11.4
12H	9.4	10.0	9.9	10.3	10.7	10.2	10.7	10.6	11.1	11.5
8H 4H	9.2	9.8	9.6	10.2	10.5	10.0	10.6	10.4	10.9	11.3
6H	9.4	9.8	9.8	10.2	10.7	10.1	10.6	10.5	11.0	11.4
8H	9.5	9.9	9.9	10.3	10.7	10.2	10.6	10.6	11.0	11.4
12H	9.6	9.9	10.0	10.4	10.8	10.3	10.6	10.7	11.1	11.5
12H 4H	9.2	9.7	9.6	10.1	10.5	9.9	10.5	10.4	10.8	11.2
6H	9.4	9.8	9.8	10.2	10.6	10.1	10.5	10.5	10.9	11.4
8H	9.5	9.8	9.9	10.3	10.7	10.2	10.5	10.6	11.0	11.4
Variations with the observer position at spacings:										
S = 1.0H	+ 1.9 / - 3.2					+ 2.5 / - 3.7				
1.5H	+ 3.3 / - 2.9					+ 4.0 / - 3.7				
2.0H	+ 3.3 / - 1.9					+ 4.3 / - 2.4				

CIE Pub.117, 19105 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 10.2$)

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:0.7389A P:150.1W PF:0.9589 Freq:49.99Hz Lamp Flux:19105.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-3030-60D-PC-ALL	DIM.: ϕ 0.24M	SERIAL No.:1
MFR.: AOK	SUR.:	Shielding Angle:

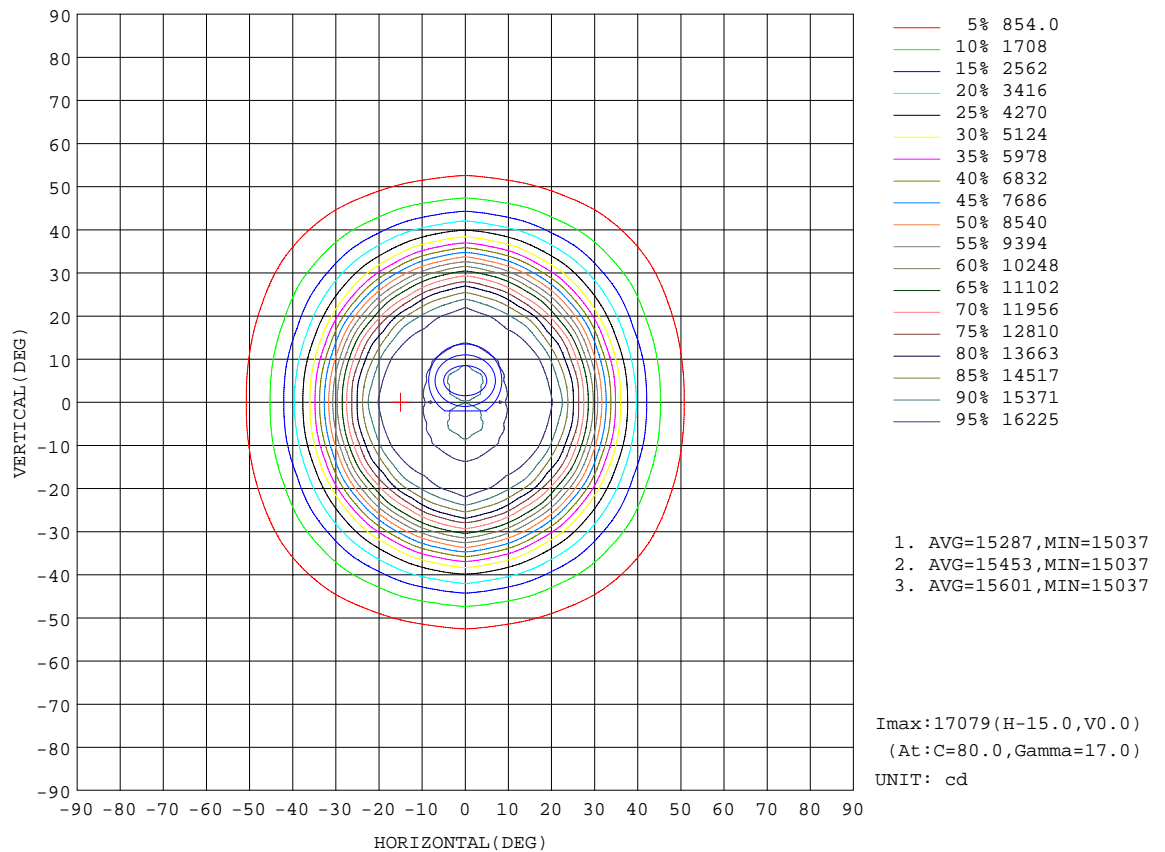
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	83	76	72	82	76	71	82	75	71	67
0.80	91	84	80	90	84	80	89	83	80	75
1.00	96	90	86	95	89	86	94	90	85	81
1.25	101	95	91	100	94	91	98	93	90	85
1.50	104	98	95	102	98	94	100	96	93	88
2.00	107	102	99	106	101	98	103	99	96	91
2.50	109	105	101	107	103	100	104	101	98	92
3.00	111	107	104	109	105	103	105	103	100	94
4.00	113	110	107	111	108	106	107	105	103	96
5.00	114	112	109	112	110	108	108	106	105	97
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:2018-01-08

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:0.7389A P:150.1W PF:0.9589 Freq:49.99Hz Lamp Flux:19105.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150Woh-3030-60D-PC-ALL	DIM.: ϕ 0.24M	SERIAL No.:1
MFR.: AOK	SUR.:	Shielding Angle:



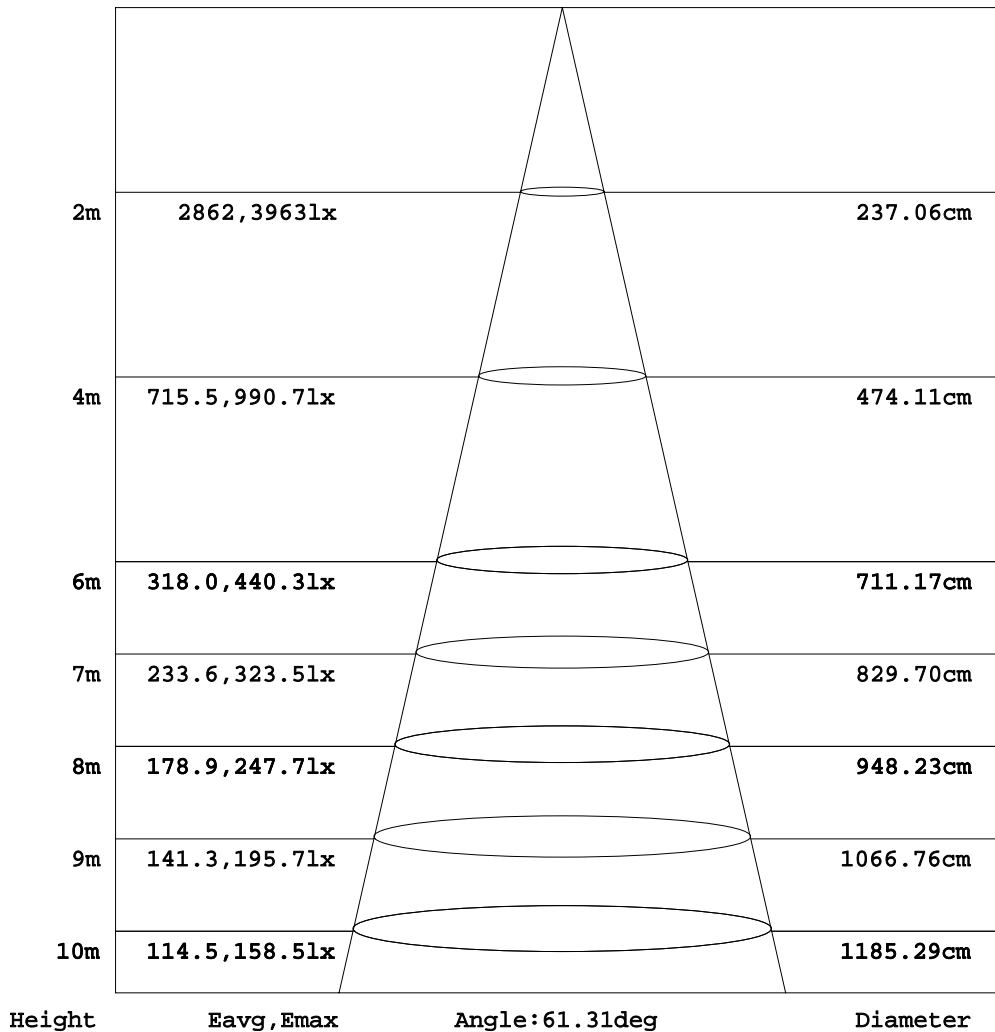
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-08

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:0.7389A P:150.1W PF:0.9589 Freq:49.99Hz Lamp Flux:19105.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150Woh-3030-60D-PC-ALL	DIM.: ϕ 0.24M	SERIAL No.:1
MFR.: AOK	SUR.:	Shielding Angle:

Flux out:12984 lm



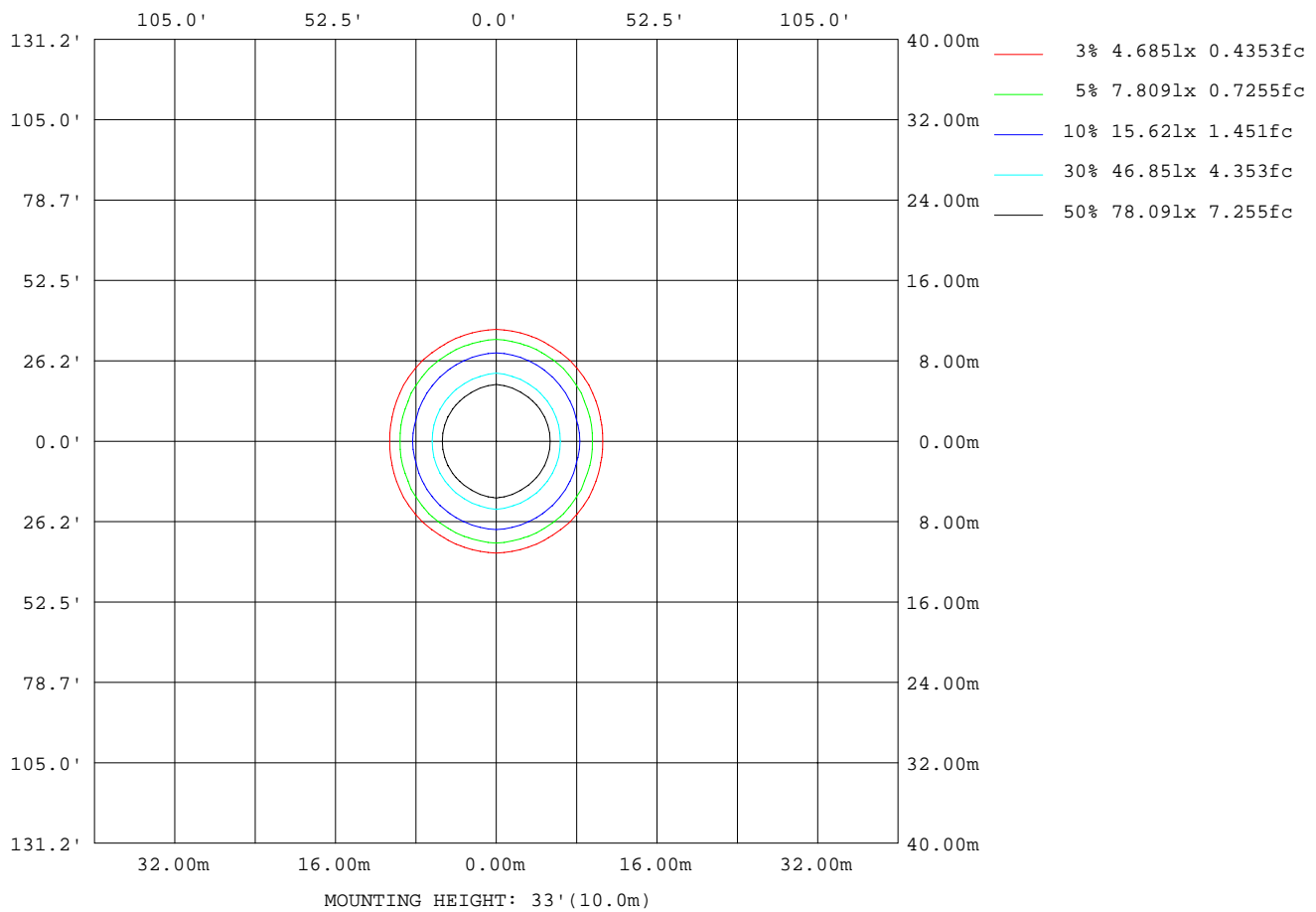
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:0.7389A P:150.1W PF:0.9589 Freq:49.99Hz Lamp Flux:19105.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150Woh-3030-60D-PC-ALL	DIM.: ϕ 0.24M	SERIAL No.:1
MFR.: AOK	SUR.:	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:0.7389A P:150.1W PF:0.9589 Freq:49.99Hz Lamp Flux:19105.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150Woh-3030-60D-PC-ALL	DIM.: ϕ 0.24M	SERIAL No.:1
MFR.: AOK	SUR.:	Shielding Angle:

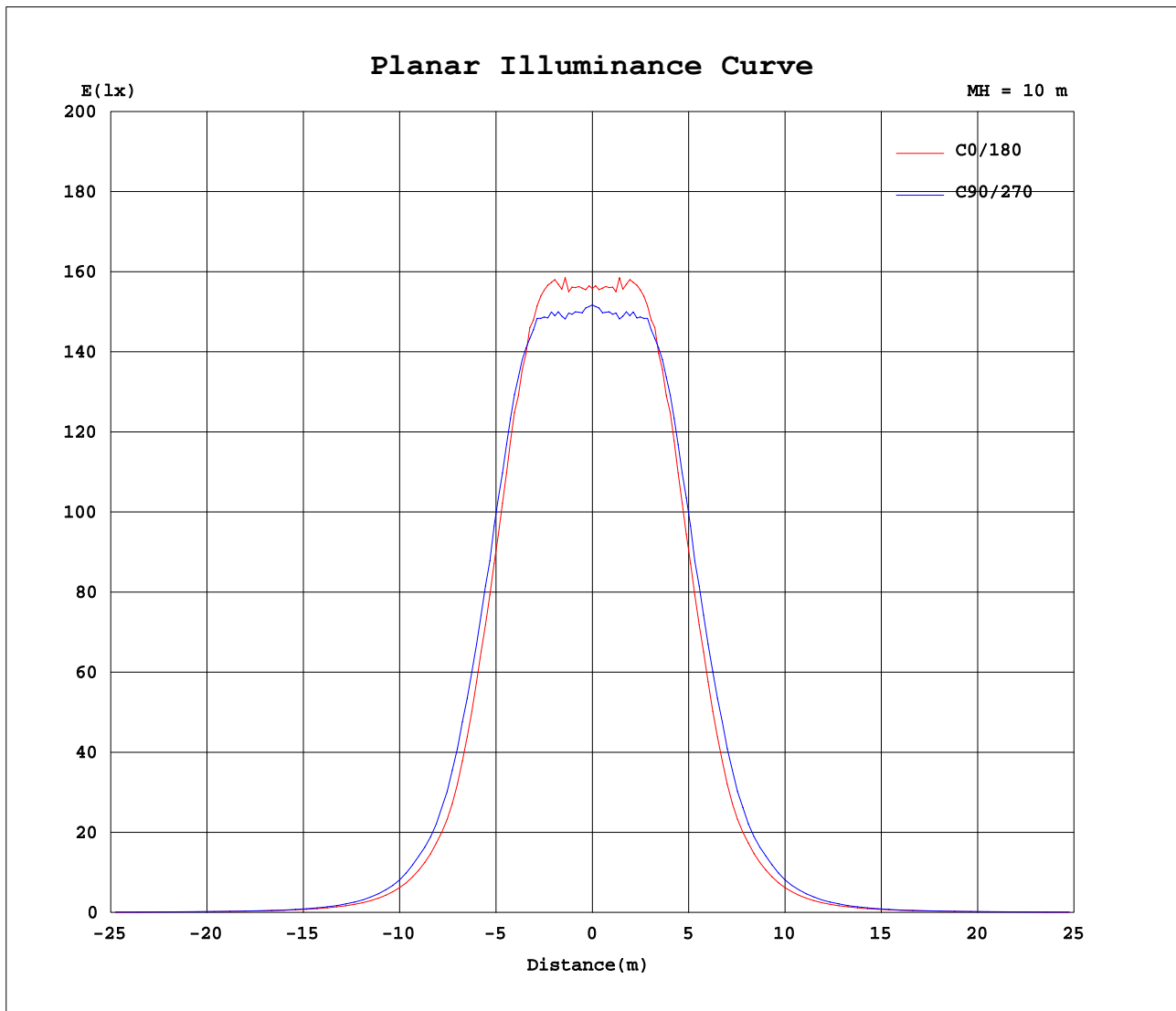
AvgL	cd/m2
L_0~180 (65) av	5558
L_0~180 (75) av	4789
L_0~180 (85) av	6190
L_90~270 (65) av	6060
L_90~270 (75) av	5527
L_90~270 (85) av	7063
L_45 (65) av	5761
L_45 (75) av	4912
L_45 (85) av	6418

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:0.7389A P:150.1W PF:0.9589 Freq:49.99Hz Lamp Flux:19105.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150Woh-3030-60D-PC-ALL	DIM.: ϕ 0.24M	SERIAL No.:1
MFR.: AOK	SUR.:	Shielding Angle:

Table--1

UNIT: $\times 10\text{cd}$

C (DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	1535	1535	1535	1535	1535	1535	1535	1535	1535	1535	1535	1535	1535	1535	1535	1535	1535	1535	1535
5	1554	1545	1547	1546	1534	1541	1533	1526	1535	1535	1535	1526	1533	1541	1534	1546	1547	1545	1554
10	1618	1598	1606	1612	1599	1607	1584	1582	1603	1589	1603	1582	1584	1607	1599	1612	1606	1598	1618
15	1682	1666	1645	1654	1658	1651	1654	1674	1673	1665	1673	1674	1654	1651	1658	1654	1645	1666	1682
20	1608	1588	1594	1611	1612	1610	1621	1643	1674	1683	1674	1643	1621	1610	1612	1611	1594	1588	1608
25	1351	1360	1355	1373	1357	1409	1390	1431	1455	1491	1455	1431	1390	1409	1357	1373	1355	1360	1351
30	987	988	983	1009	1010	1034	1046	1089	1115	1157	1115	1089	1046	1034	1010	1009	983	988	987
35	574	587	584	609	619	646	664	698	717	753	717	698	664	646	619	609	584	587	574
40	322	322	322	337	352	371	375	396	411	426	411	396	375	371	352	337	322	322	322
45	173	176	177	190	193	206	209	220	224	234	224	220	209	206	193	190	177	176	173
50	91.9	95.9	98.4	103	107	109	110	114	117	121	117	114	110	109	107	103	98.4	95.9	91.9
55	51.4	52.3	52.3	55.7	56.9	57.6	55.9	57.2	59.0	63.3	59.0	57.2	55.9	57.6	56.9	55.7	52.3	52.3	51.4
60	32.3	33.3	32.7	34.0	34.3	34.7	34.2	35.0	34.9	36.5	34.9	35.0	34.2	34.7	34.3	34.0	32.7	33.3	32.3
65	23.5	23.8	23.7	23.9	24.2	24.5	24.4	24.9	25.0	25.6	25.0	24.9	24.4	24.5	24.2	23.9	23.7	23.8	23.5
70	17.7	17.8	17.9	18.1	18.2	18.4	18.4	18.8	19.2	19.6	19.2	18.8	18.4	18.4	18.2	18.1	17.9	17.8	17.7
75	12.4	12.5	12.6	12.8	12.6	12.9	13.0	13.5	13.8	14.3	13.8	13.5	13.0	12.9	12.6	12.8	12.6	12.5	12.4
80	7.98	8.11	8.17	8.34	8.36	8.55	8.62	8.92	9.13	9.48	9.13	8.92	8.62	8.55	8.36	8.34	8.17	8.11	7.98
85	5.39	5.43	5.42	5.53	5.54	5.65	5.67	5.83	5.92	6.16	5.92	5.83	5.67	5.65	5.54	5.53	5.42	5.43	5.39
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:0.7389A P:150.1W PF:0.9589 Freq:49.99Hz Lamp Flux:19105.2x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-3030-60D-PC-ALL	DIM.: ϕ 0.24M	SERIAL No.:1
MFR.: AOK	SUR.:	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	1535	1535	1535	1535	1535	1535	1535	1535	1535	1535	1535	1535	1535	1535	1535	1535	1535		
5	1545	1547	1546	1534	1541	1533	1526	1535	1535	1535	1526	1533	1541	1534	1546	1547	1545		
10	1598	1606	1612	1599	1607	1584	1582	1603	1589	1603	1582	1584	1607	1599	1612	1606	1598		
15	1666	1645	1654	1658	1651	1654	1674	1673	1665	1673	1674	1654	1651	1658	1654	1645	1666		
20	1588	1594	1611	1612	1610	1621	1643	1674	1683	1674	1643	1621	1610	1612	1611	1594	1588		
25	1360	1355	1373	1357	1409	1390	1431	1455	1491	1455	1431	1390	1409	1357	1373	1355	1360		
30	988	983	1009	1010	1034	1046	1089	1115	1157	1115	1089	1046	1034	1010	1009	983	988		
35	587	584	609	619	646	664	698	717	753	717	698	664	646	619	609	584	587		
40	322	322	337	352	371	375	396	411	426	411	396	375	371	352	337	322	322		
45	176	177	190	193	206	209	220	224	234	224	220	209	206	193	190	177	176		
50	95.9	98.4	103	107	109	110	114	117	121	117	114	110	109	107	103	98.4	95.9		
55	52.3	52.3	55.7	56.9	57.6	55.9	57.2	59.0	63.3	59.0	57.2	55.9	57.6	56.9	55.7	52.3	52.3		
60	33.3	32.7	34.0	34.3	34.7	34.2	35.0	34.9	36.5	34.9	35.0	34.2	34.7	34.3	34.0	32.7	33.3		
65	23.8	23.7	23.9	24.2	24.5	24.4	24.9	25.0	25.6	25.0	24.9	24.4	24.5	24.2	23.9	23.7	23.8		
70	17.8	17.9	18.1	18.2	18.4	18.4	18.8	19.2	19.6	19.2	18.8	18.4	18.4	18.2	18.1	17.9	17.8		
75	12.5	12.6	12.8	12.6	12.9	13.0	13.5	13.8	14.3	13.8	13.5	13.0	12.9	12.6	12.8	12.6	12.5		
80	8.11	8.17	8.34	8.36	8.55	8.62	8.92	9.13	9.48	9.13	8.92	8.62	8.55	8.36	8.34	8.17	8.11		
85	5.43	5.42	5.53	5.54	5.65	5.67	5.83	5.92	6.16	5.92	5.83	5.67	5.65	5.54	5.53	5.42	5.43		
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: 2018-01-08

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: