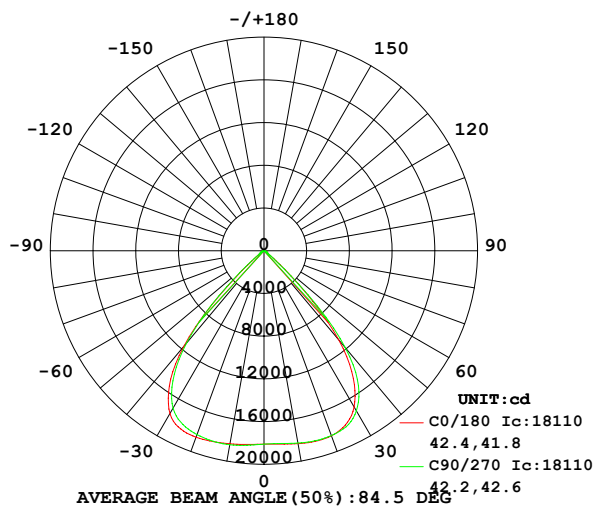


LUMINAIRE PHOTOMETRIC TEST REPORT

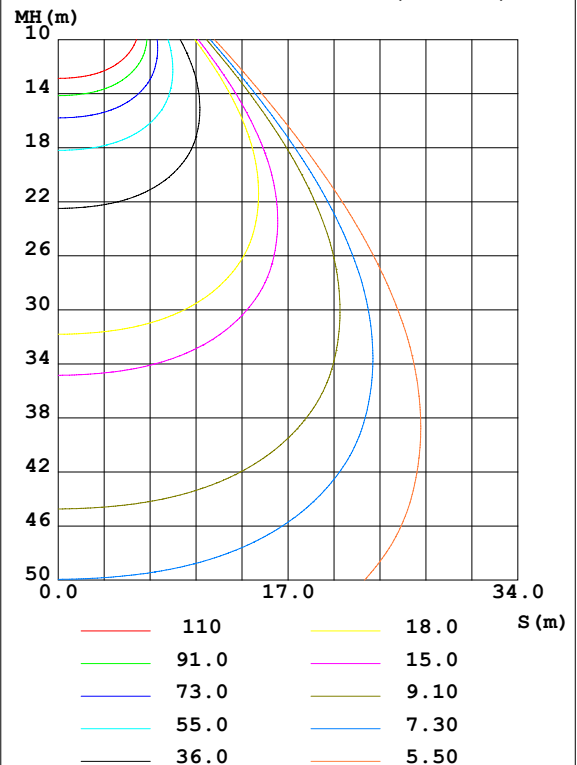
Test:U:220.7V I:0.9494A P:204.0W PF:0.9737 Freq:49.99Hz Lamp Flux:30231.3x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-200Woh-3030-90D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.29M	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 148.17 lm/W			
MODEL	3030	I _{max} (cd)	18586	S/MH (C0/180)	1.23
NOMINAL POWER (W)	200	LOR (%)	100.0	S/MH (C90/270)	1.23
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	30231	η UP,DN (C0-180)	0.0,50.1
NOMINAL FLUX (lm)	30231.3	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,49.9
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-10-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.684m [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	1834	1829	1828	1827	1836	1845	1844	1840	0- 10	1742	1742	5.76, 5.76
20	1844	1844	1842	1848	1858	1849	1832	1833	10- 20	5228	6970	23.1, 23.1
30	1689	1706	1731	1749	1761	1733	1703	1675	20- 30	8329	15300	50.6, 50.6
40	1087	1151	1186	1213	1169	1152	1130	1093	30- 40	9245	24545	81.2, 81.2
50	152.3	143.5	138.3	150.5	149.7	156.1	168.9	160.5	40- 50	4586	29131	96.4, 96.4
60	40.40	36.88	35.28	36.65	38.08	39.37	41.37	41.94	50- 60	590.7	29722	98.3, 98.3
70	24.62	21.79	20.55	21.36	23.12	24.07	25.39	25.82	60- 70	304.0	30026	99.3, 99.3
80	10.24	9.066	8.592	8.936	9.595	10.29	10.89	10.73	70- 80	176.8	30203	99.9, 99.9
90	0	0	0	0	0	0	0	0	80- 90	28.60	30231	100, 100
100	0	0	0	0	0	0	0	0	90-100	0	30231	100, 100
110	0	0	0	0	0	0	0	0	100-110	0	30231	100, 100
120	0	0	0	0	0	0	0	0	110-120	0	30231	100, 100
130	0	0	0	0	0	0	0	0	120-130	0	30231	100, 100
140	0	0	0	0	0	0	0	0	130-140	0	30231	100, 100
150	0	0	0	0	0	0	0	0	140-150	0	30231	100, 100
160	0	0	0	0	0	0	0	0	150-160	0	30231	100, 100
170	0	0	0	0	0	0	0	0	160-170	0	30231	100, 100
180	0	0	0	0	0	0	0	0	170-180	0	30231	100, 100
DEG	LUMINOUS INTENSITY: $\times 10\text{cd}$									UNIT: lm		

Conical surface Flux(90deg): 27782 lm

%lum = 91.9%

%lamp = 91.9%

Conical surface Flux(120deg): 29722 lm

%lum = 98.3%

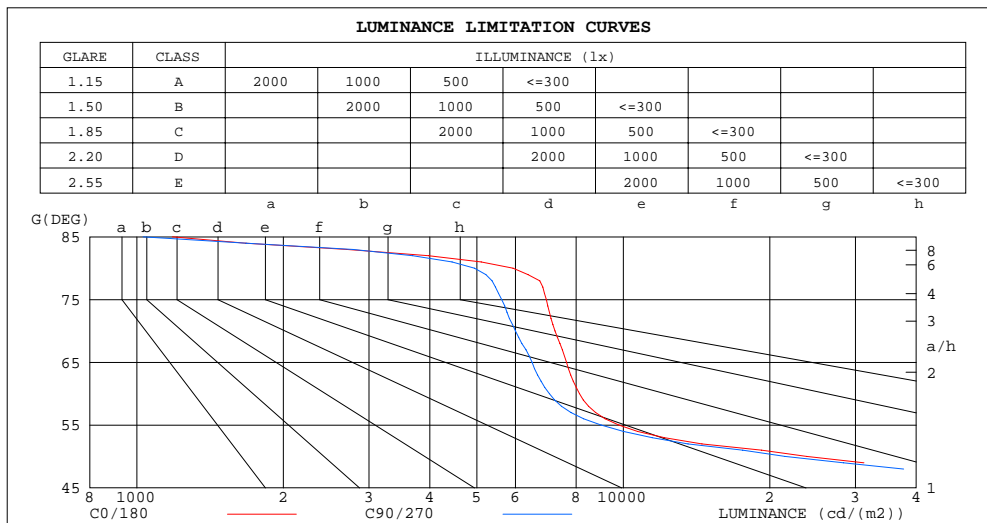
%lamp = 98.3%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-10-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 7.684m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.7V I:0.9494A P:204.0W PF:0.9737 Freq:49.99Hz Lamp Flux:30231.3x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-200Woh-3030-90D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.29M	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1183	1030
80	5931	4943
75	6947	5621
70	7236	6002
65	7645	6495
60	8125	7049
55	9788	8998
50	23818	21495
45	77955	82821

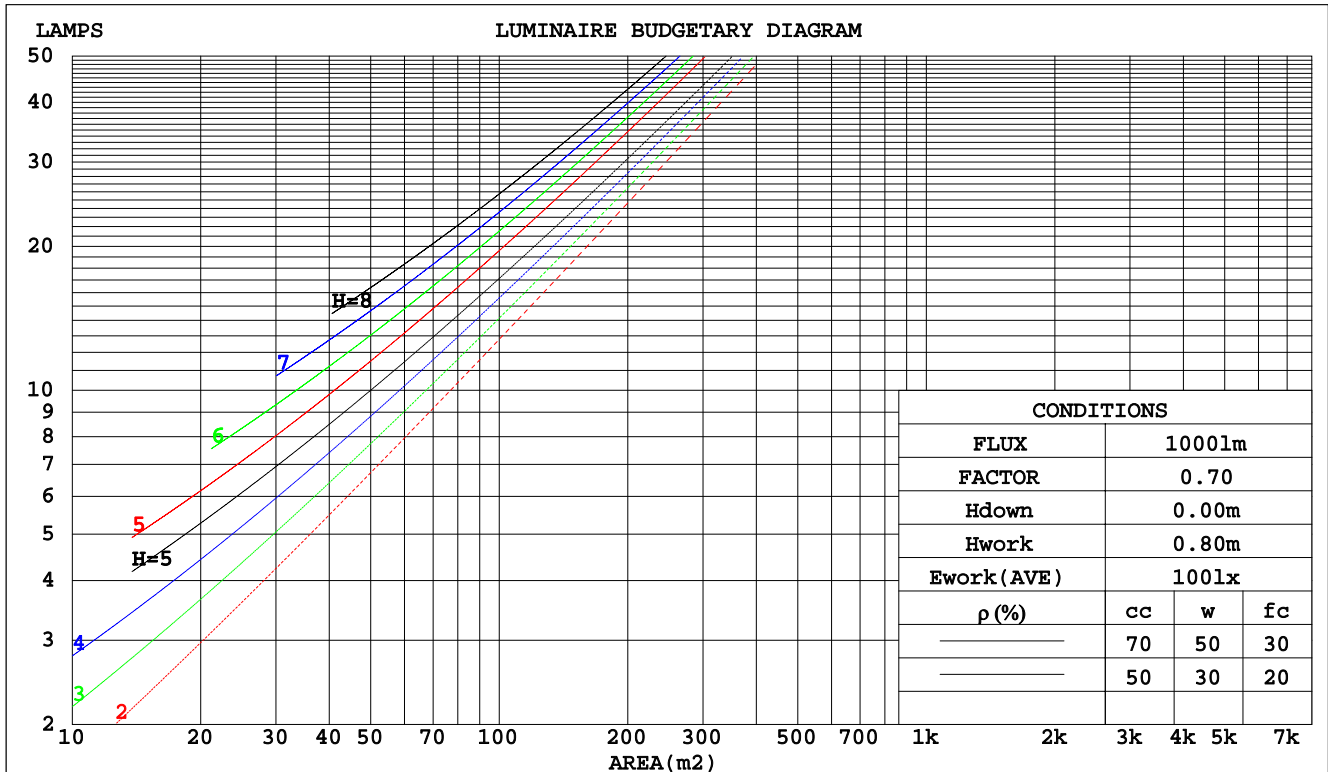
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.684m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.7V I:0.9494A P:204.0W PF:0.9737 Freq:49.99Hz Lamp Flux:30231.3x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-200WoH-3030-90D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.29M	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	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	1.07	1.04	1.07	1.05	1.02	1.03	1.01	.99	.99	.98	.96	.96	.95	.93	.92
2.0	1.00	.96	.92	.99	.94	.91	.95	.92	.89	.92	.89	.87	.89	.87	.85	.83
3.0	.92	.86	.82	.91	.85	.81	.88	.83	.80	.85	.82	.78	.83	.80	.77	.75
4.0	.85	.78	.73	.83	.77	.73	.81	.76	.72	.79	.75	.71	.77	.73	.70	.69
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	.58	.57
7.0	.66	.60	.55	.66	.59	.55	.64	.58	.54	.63	.58	.54	.62	.57	.54	.52
8.0	.62	.55	.50	.61	.54	.50	.60	.54	.50	.59	.53	.49	.58	.53	.49	.48
9.0	.57	.51	.46	.57	.50	.46	.56	.50	.46	.55	.49	.45	.54	.49	.45	.44
10.0	.53	.47	.42	.53	.47	.42	.52	.46	.42	.51	.46	.42	.50	.45	.42	.40



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-10-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.684m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:220.7V I:0.9494A P:204.0W PF:0.9737 Freq:49.99Hz Lamp Flux:30231.3x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-200WoH-3030-90D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.29M	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	.203	.115	.037	.196	.112	.036	.183	.105	.034	.172	.099	.032	.161	.093	.030	
2.0	.197	.108	.033	.191	.105	.032	.180	.100	.031	.170	.096	.030	.161	.091	.029	
3.0	.189	.100	.030	.184	.098	.030	.174	.095	.029	.166	.091	.028	.158	.087	.027	
4.0	.180	.094	.028	.176	.092	.027	.168	.089	.027	.160	.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	.161	.081	.023	.154	.079	.023	.148	.077	.023	.143	.075	.022	
7.0	.157	.077	.022	.154	.076	.022	.148	.075	.022	.142	.073	.021	.137	.071	.021	
8.0	.149	.073	.021	.147	.072	.020	.142	.071	.020	.137	.069	.020	.132	.068	.020	
9.0	.143	.069	.019	.140	.068	.019	.136	.067	.019	.131	.066	.019	.127	.065	.019	
10.0	.137	.066	.018	.134	.065	.018	.130	.064	.018	.126	.063	.018	.123	.062	.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	.095	.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	.063	.034	.071	.044	.024	.041	.026	.014	.013	.008	.005	
8.0	.114	.066	.033	.098	.057	.029	.068	.040	.021	.040	.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: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.684m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.7V I:0.9494A P:204.0W PF:0.9737 Freq:49.99Hz Lamp Flux:30231.3x1 lm										
NAME: AOK oH					TYPE:LED			WEIGHT:6KG		
SPEC.:AOK-200WoH-3030-90D					DIM.: 0.4*0.141M			SERIAL No.:1		
MFR.: AOK					SUR.:±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	12.4	13.5	12.6	13.7	13.9	12.6	13.7	12.8	13.9	14.1
3H	12.3	13.3	12.5	13.5	13.7	12.4	13.5	12.7	13.7	13.9
4H	12.2	13.2	12.5	13.4	13.6	12.4	13.3	12.7	13.6	13.8
6H	12.1	13.0	12.4	13.3	13.5	12.3	13.2	12.6	13.5	13.7
8H	12.1	13.0	12.4	13.2	13.5	12.3	13.1	12.6	13.4	13.7
12H	12.0	12.9	12.4	13.2	13.4	12.2	13.0	12.5	13.3	13.6
4H 2H	12.1	13.1	12.4	13.3	13.6	12.3	13.3	12.6	13.5	13.8
3H	12.0	12.9	12.4	13.1	13.4	12.2	13.0	12.5	13.3	13.6
4H	12.0	12.7	12.3	13.0	13.3	12.2	12.9	12.5	13.2	13.5
6H	11.9	12.6	12.3	12.9	13.3	12.1	12.8	12.5	13.1	13.4
8H	11.9	12.5	12.3	12.9	13.2	12.1	12.7	12.5	13.0	13.4
12H	11.9	12.4	12.3	12.8	13.2	12.0	12.6	12.4	12.9	13.3
8H 4H	11.9	12.5	12.3	12.8	13.2	12.0	12.6	12.4	13.0	13.4
6H	11.8	12.3	12.3	12.7	13.1	12.0	12.5	12.4	12.9	13.3
8H	11.8	12.2	12.3	12.7	13.1	12.0	12.4	12.4	12.8	13.3
12H	11.8	12.1	12.2	12.6	13.0	11.9	12.3	12.4	12.7	13.2
12H 4H	11.8	12.4	12.2	12.7	13.1	12.0	12.5	12.4	12.9	13.3
6H	11.8	12.2	12.2	12.7	13.1	12.0	12.4	12.4	12.8	13.2
8H	11.8	12.1	12.2	12.6	13.1	11.9	12.3	12.4	12.7	13.2
Variations with the observer position at spacings:										
S = 1.0H	+ 2.4 / - 8.6					+ 2.4 / - 9.5				
1.5H	+ 4.1 / - 8.8					+ 4.2 / - 9.5				
2.0H	+ 6.9 / - 4.7					+ 7.3 / - 5.3				

CIE Pub.117, 30231 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 11.8$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.684m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.7V I:0.9494A P:204.0W PF:0.9737 Freq:49.99Hz Lamp Flux:30231.3x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-200WoH-3030-90D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.29M	Shielding Angle:

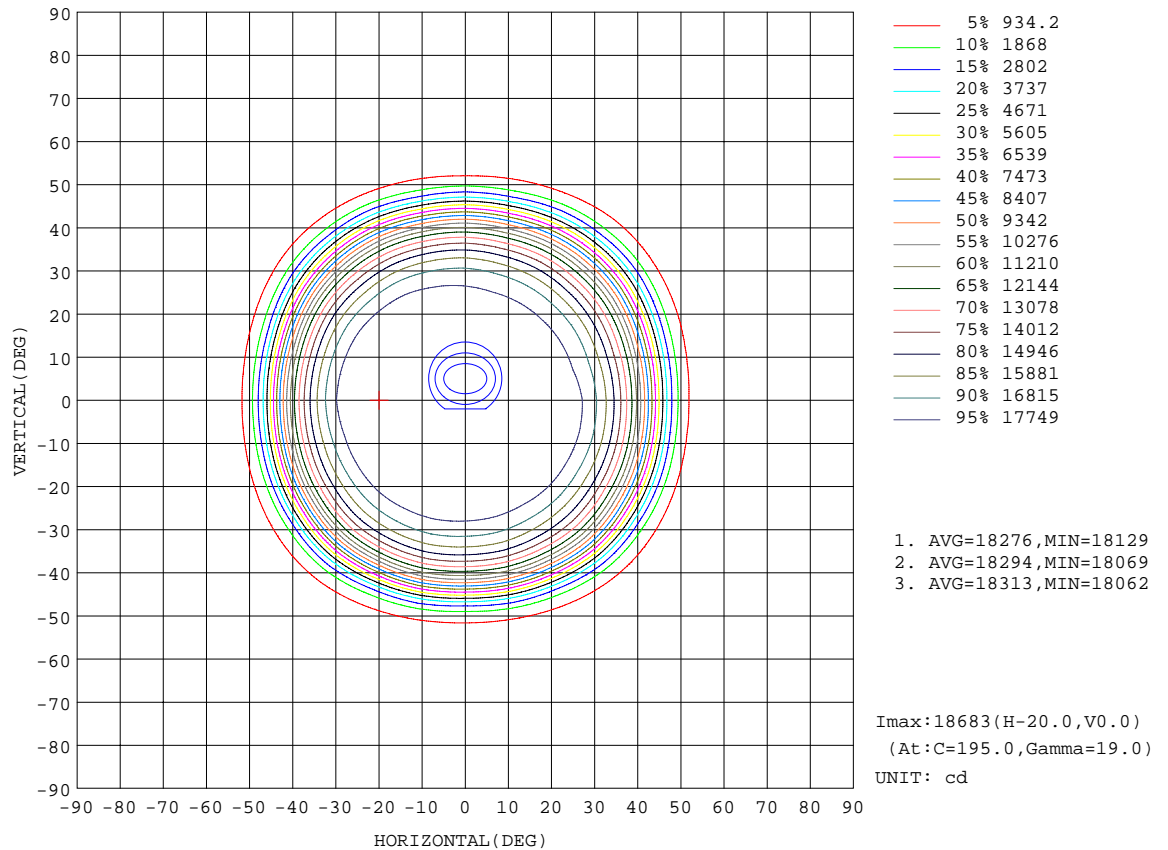
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	80	72	67	79	72	67	78	71	67	63
0.80	88	81	77	88	81	76	86	80	76	72
1.00	94	88	83	93	87	83	92	87	82	78
1.25	99	93	89	98	93	89	96	91	88	83
1.50	103	97	93	101	96	92	99	95	91	86
2.00	106	101	98	105	100	97	102	98	95	90
2.50	108	104	100	107	103	99	103	100	98	91
3.00	110	106	103	108	105	102	105	102	100	93
4.00	112	109	107	110	107	105	107	104	102	95
5.00	114	111	109	112	109	107	108	106	104	96
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.684m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.7V I:0.9494A P:204.0W PF:0.9737 Freq:49.99Hz Lamp Flux:30231.3x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-200WoH-3030-90D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.29M	Shielding Angle:



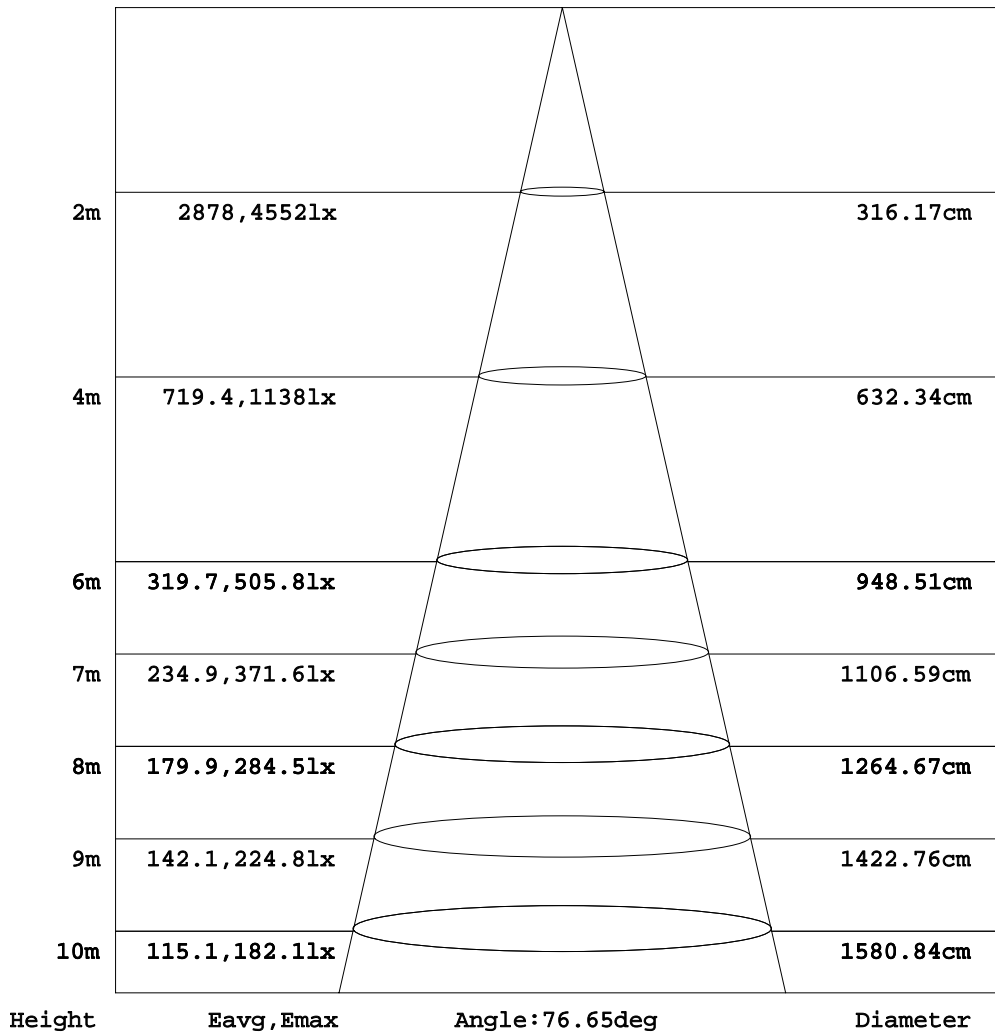
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-10-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.684m [K=1.0000]
 Remarks:

AAI Figure

Test:U:220.7V I:0.9494A P:204.0W PF:0.9737 Freq:49.99Hz Lamp Flux:30231.3x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-200WoH-3030-90D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.29M	Shielding Angle:

Flux out:23713 lm



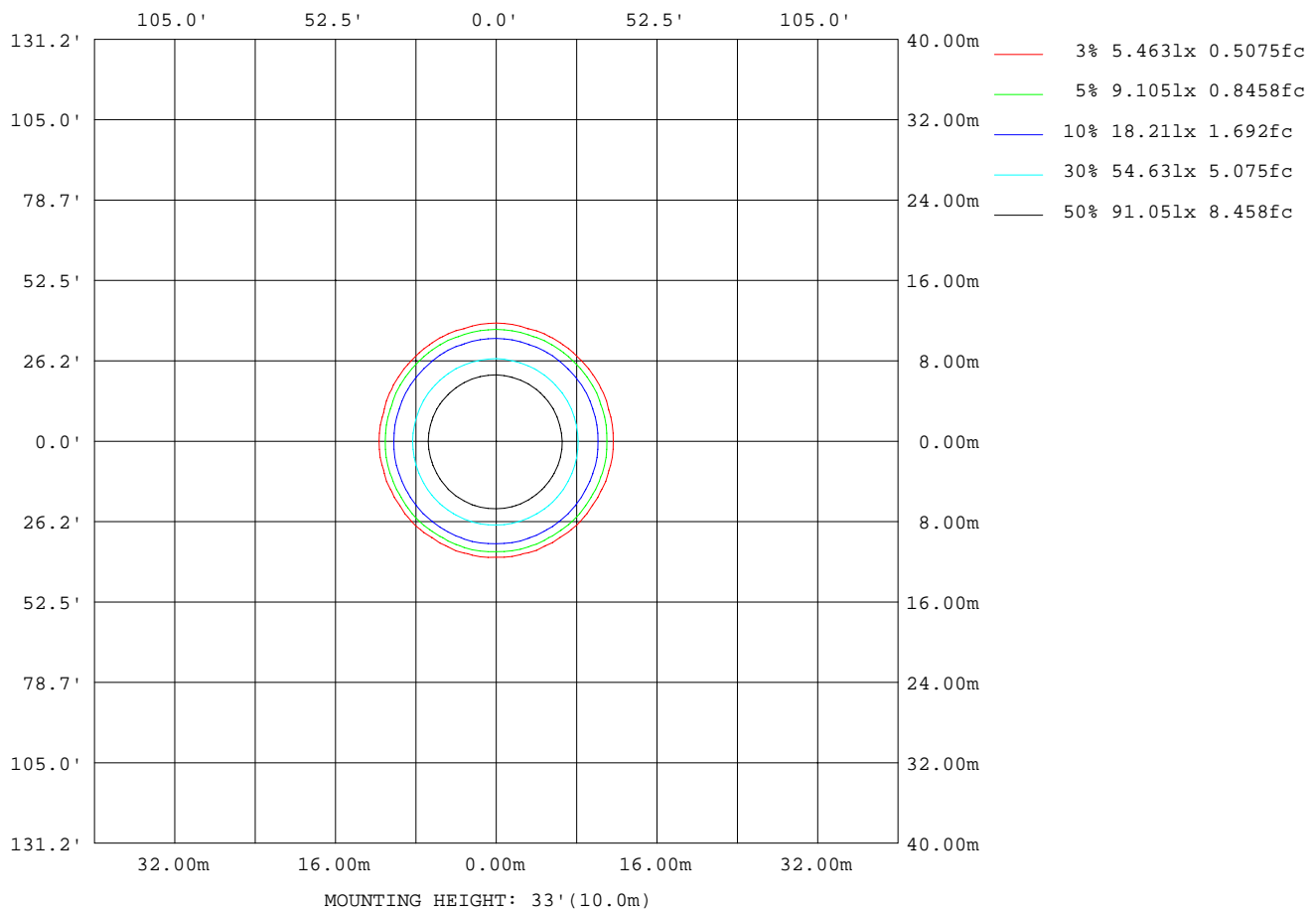
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.684m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.7V I:0.9494A P:204.0W PF:0.9737 Freq:49.99Hz Lamp Flux:30231.3x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-200Woh-3030-90D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.29M	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.684m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.7V I:0.9494A P:204.0W PF:0.9737 Freq:49.99Hz Lamp Flux:30231.3x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-200Woh-3030-90D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.29M	Shielding Angle:

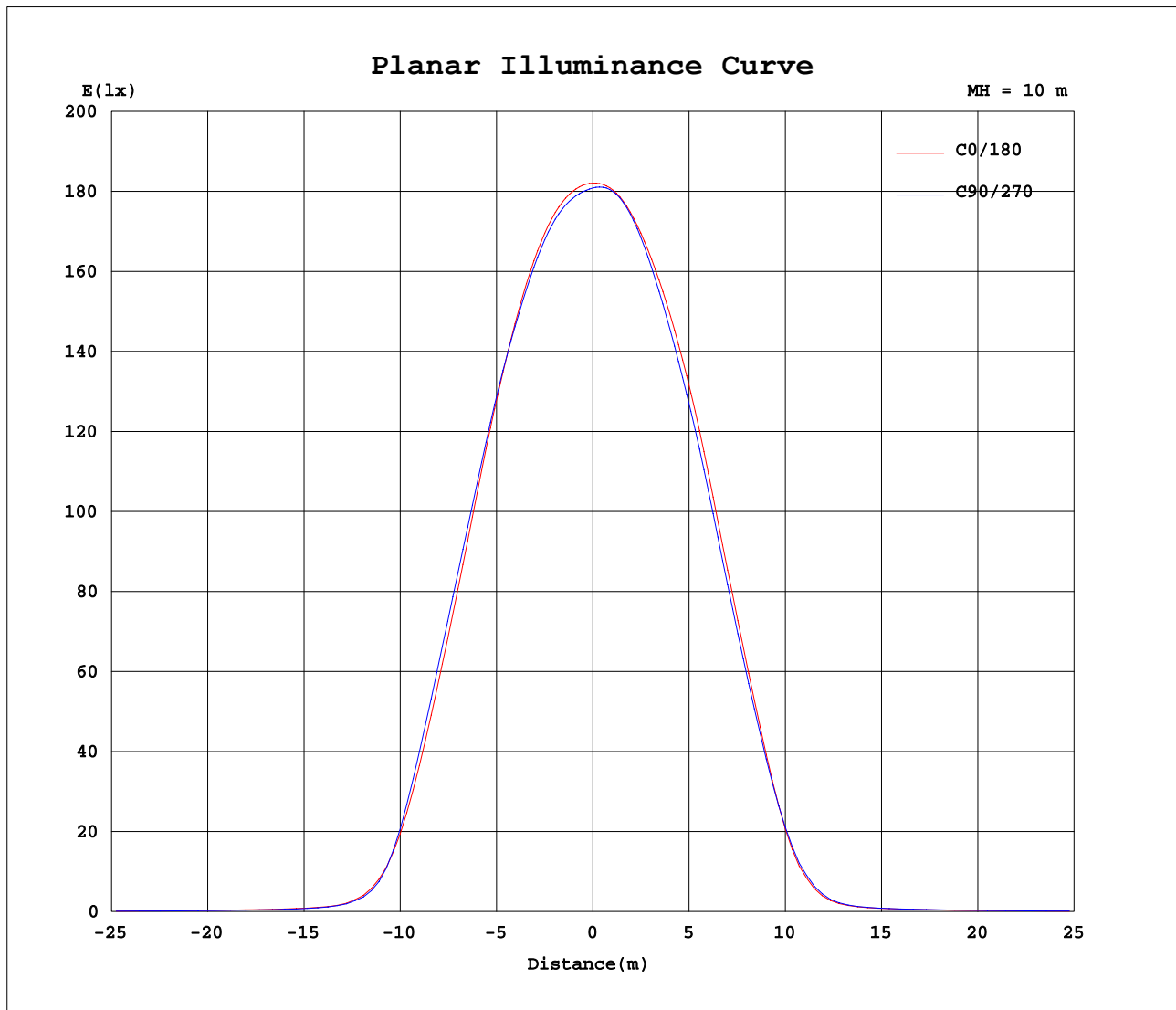
AvgL	cd/m2
L_0~180 (65) av	7370
L_0~180 (75) av	6721
L_0~180 (85) av	1137
L_90~270 (65) av	7156
L_90~270 (75) av	6369
L_90~270 (85) av	1401
L_45 (65) av	7243
L_45 (75) av	6483
L_45 (85) av	1218

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.684m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-10-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.684m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.7V I:0.9494A P:204.0W PF:0.9737 Freq:49.99Hz Lamp Flux:30231.3x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-200WoH-3030-90D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.29M	Shielding Angle:

Table--1

UNIT: ×10cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1811	1811	1811	1811	1811	1811	1811	1811	1811	1811	1811	1811	1811	1811	1811	1811	1811	1811	1811
5	1817	1815	1814	1812	1812	1811	1812	1811	1812	1813	1815	1817	1820	1823	1825	1827	1828	1829	1828
10	1834	1832	1831	1829	1829	1828	1828	1827	1827	1827	1828	1830	1836	1840	1843	1845	1846	1845	1844
15	1848	1847	1847	1845	1843	1842	1843	1842	1842	1840	1840	1842	1849	1853	1855	1854	1852	1848	1846
20	1844	1846	1846	1844	1842	1841	1842	1844	1846	1848	1850	1852	1858	1858	1855	1849	1843	1836	1832
25	1801	1808	1811	1815	1816	1817	1819	1824	1830	1836	1839	1839	1843	1838	1832	1822	1813	1803	1795
30	1689	1698	1697	1706	1712	1725	1731	1741	1744	1749	1749	1755	1761	1755	1748	1733	1725	1710	1703
35	1459	1475	1482	1500	1516	1538	1543	1560	1559	1561	1549	1550	1545	1538	1535	1513	1510	1496	1488
40	1087	1110	1116	1151	1153	1180	1186	1212	1206	1213	1190	1184	1169	1160	1166	1152	1152	1132	1130
45	548	567	557	581	571	593	586	619	606	619	591	595	581	577	596	593	607	589	597
50	152	151	140	144	138	142	138	148	144	150	145	150	150	148	157	156	166	162	169
55	55.8	54.4	52.2	52.2	51.4	52.1	51.7	53.6	53.4	54.1	53.2	53.5	53.2	52.5	53.6	54.0	55.6	55.7	56.9
60	40.4	39.0	37.5	36.9	35.9	35.6	35.3	35.9	35.9	36.6	37.1	37.7	38.1	37.9	38.6	39.4	40.2	40.6	41.4
65	32.1	30.9	29.6	29.0	28.0	27.6	27.5	27.9	27.8	28.4	29.0	29.7	30.2	30.2	30.9	31.4	31.9	32.3	33.0
70	24.6	23.6	22.3	21.8	21.0	20.7	20.6	20.8	20.8	21.4	21.9	22.6	23.1	23.1	23.7	24.1	24.5	24.9	25.4
75	17.9	16.9	16.0	15.4	14.9	14.7	14.6	14.8	14.9	15.3	15.8	16.4	16.9	16.9	17.3	17.5	17.8	18.0	18.4
80	10.2	9.88	9.19	9.07	8.72	8.79	8.59	8.87	8.76	8.94	8.83	9.27	9.60	9.59	10.1	10.3	10.4	10.5	10.9
85	1.03	1.03	0.96	0.99	0.93	0.96	0.90	0.93	0.90	0.92	0.91	0.95	0.96	1.00	1.12	1.20	1.45	1.44	1.54
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: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-10-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.684m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.7V I:0.9494A P:204.0W PF:0.9737 Freq:49.99Hz Lamp Flux:30231.3x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6KG
SPEC.:AOK-200WoH-3030-90D	DIM.: 0.4*0.141M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.29M	Shielding Angle:

Table--2

UNIT: ×10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1811	1811	1811	1811	1811														
5	1827	1825	1824	1821	1819														
10	1843	1841	1840	1837	1835														
15	1845	1846	1846	1846	1846														
20	1830	1831	1833	1835	1838														
25	1788	1787	1787	1789	1792														
30	1687	1682	1675	1679	1679														
35	1467	1463	1450	1456	1455														
40	1102	1103	1093	1099	1091														
45	572	577	568	576	559														
50	160	166	161	166	158														
55	56.9	57.6	57.1	58.1	57.3														
60	41.9	42.1	41.9	42.0	41.5														
65	33.6	33.7	33.6	33.6	33.0														
70	25.7	25.8	25.8	25.8	25.3														
75	18.7	18.8	18.8	18.8	18.4														
80	10.8	10.8	10.7	10.8	10.5														
85	1.29	1.26	1.14	1.14	1.06														
90	0.00	0.00	0.00	0.00	0.00														
95	0.00	0.00	0.00	0.00	0.00														
100	0.00	0.00	0.00	0.00	0.00														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.00	0.00	0.00	0.00														
135	0.00	0.00	0.00	0.00	0.00														
140	0.00	0.00	0.00	0.00	0.00														
145	0.00	0.00	0.00	0.00	0.00														
150	0.00	0.00	0.00	0.00	0.00														
155	0.00	0.00	0.00	0.00	0.00														
160	0.00	0.00	0.00	0.00	0.00														
165	0.00	0.00	0.00	0.00	0.00														
170	0.00	0.00	0.00	0.00	0.00														
175	0.00	0.00	0.00	0.00	0.00														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.684m [K=1.0000]
Remarks: