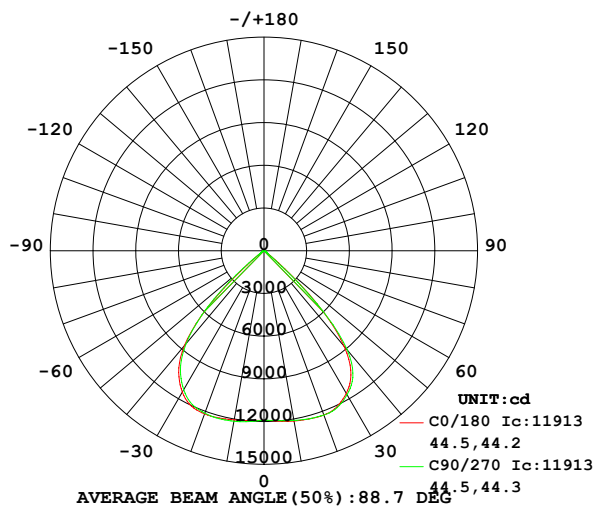


LUMINAIRE PHOTOMETRIC TEST REPORT

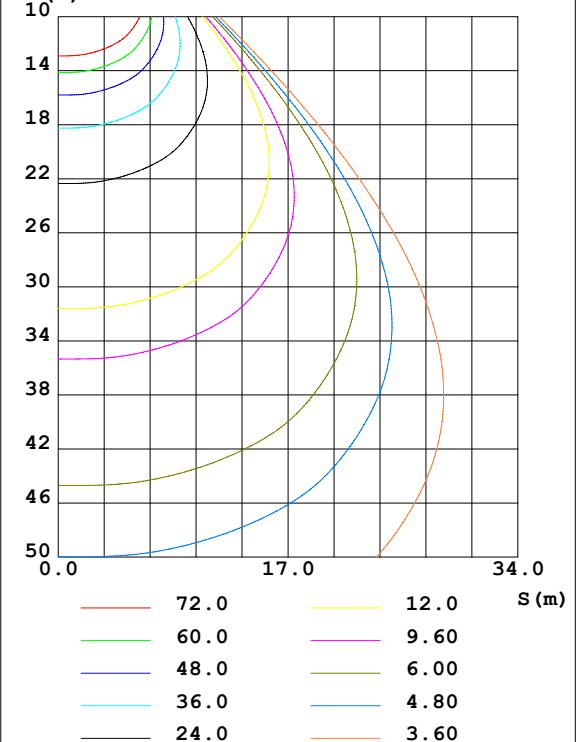
Test:U:220.8V I:0.7043A P:151.1W PF:0.9721 Freq:49.99Hz Lamp Flux:21323.4x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150W oH-3030-90D	DIM.: 0.319*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.24M	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 141.07 lm/W			
MODEL	3030	I _{max} (cd)	12303	S/MH (C0/180)	1.29
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.29
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	21323	η UP,DN (C0-180)	0.0,50.1
NOMINAL FLUX (lm)	21323.4	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	1.35

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:2018-10-18

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	1214	1209	1210	1208	1206	1212	1216	1220	0- 10	1150	1150	5.39,5.39
20	1228	1228	1228	1222	1219	1219	1214	1218	10- 20	3457	4606	21.6,21.6
30	1157	1179	1167	1168	1147	1132	1128	1139	20- 30	5542	10148	47.6,47.6
40	875.5	896.9	909.1	895.0	869.5	839.4	850.7	850.2	30- 40	6499	16647	78.1,78.1
50	135.5	120.0	114.4	140.0	158.3	181.0	191.4	158.9	40- 50	4009	20657	96.9,96.9
60	18.17	16.88	18.83	21.20	22.74	23.63	23.43	20.80	50- 60	427.3	21084	98.9,98.9
70	8.445	8.069	9.232	11.39	12.81	13.33	12.19	10.33	60- 70	150.5	21234	99.6,99.6
80	2.661	2.507	2.725	4.146	5.014	5.859	5.134	3.657	70- 80	77.61	21312	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	11.34	21323	100,100
100	0	0	0	0	0	0	0	0	90-100	0	21323	100,100
110	0	0	0	0	0	0	0	0	100-110	0	21323	100,100
120	0	0	0	0	0	0	0	0	110-120	0	21323	100,100
130	0	0	0	0	0	0	0	0	120-130	0	21323	100,100
140	0	0	0	0	0	0	0	0	130-140	0	21323	100,100
150	0	0	0	0	0	0	0	0	140-150	0	21323	100,100
160	0	0	0	0	0	0	0	0	150-160	0	21323	100,100
170	0	0	0	0	0	0	0	0	160-170	0	21323	100,100
180	0	0	0	0	0	0	0	0	170-180	0	21323	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 19313 lm

%lum = 90.6%

%lamp = 90.6%

Conical surface Flux(120deg): 21084 lm

%lum = 98.9%

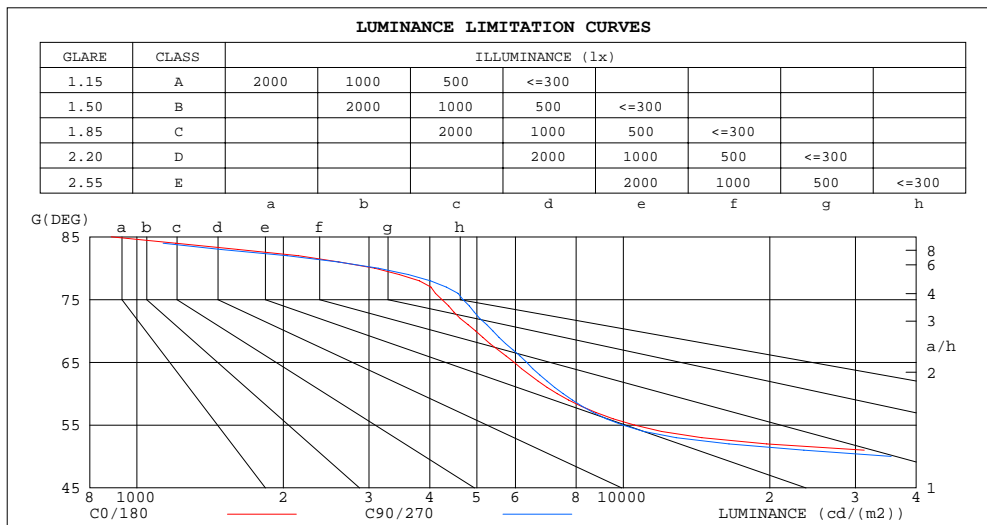
%lamp = 98.9%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-10-18

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:220.8V I:0.7043A P:151.1W PF:0.9721 Freq:49.99Hz Lamp Flux:21323.4x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150Woh-3030-90D	DIM.: 0.319*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.24M	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	886	764
80	3084	3134
75	4237	4682
70	4969	5392
65	5966	6328
60	7311	7523
55	10541	9968
50	42434	35538
45	150009	148142

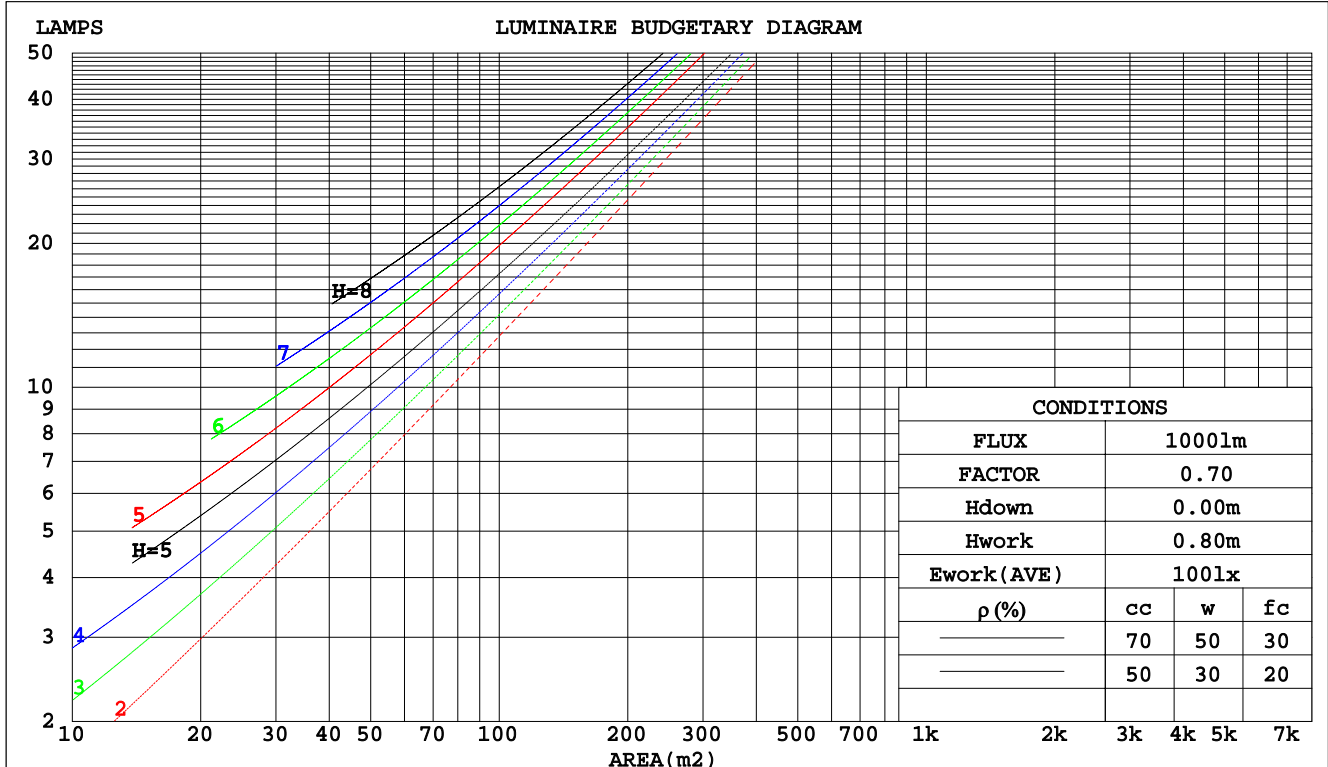
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-18

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:220.8V I:0.7043A P:151.1W PF:0.9721 Freq:49.99Hz Lamp Flux:21323.4x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-3030-90D	DIM.: 0.319*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:±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	1.09	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	.95	.91	.98	.94	.90	.95	.91	.88	.92	.89	.87	.89	.87	.85	.83
3.0	.92	.86	.81	.90	.85	.81	.88	.83	.79	.85	.81	.78	.83	.79	.77	.75
4.0	.84	.78	.73	.83	.77	.72	.81	.75	.71	.78	.74	.70	.77	.73	.70	.68
5.0	.77	.70	.65	.76	.70	.65	.74	.69	.64	.73	.68	.64	.71	.67	.63	.61
6.0	.71	.64	.59	.70	.64	.59	.69	.63	.58	.67	.62	.58	.66	.61	.57	.56
7.0	.66	.58	.54	.65	.58	.53	.63	.57	.53	.62	.57	.53	.61	.56	.52	.51
8.0	.61	.54	.49	.60	.53	.49	.59	.53	.48	.58	.52	.48	.57	.52	.48	.46
9.0	.56	.49	.45	.56	.49	.45	.55	.49	.44	.54	.48	.44	.53	.48	.44	.42
10.0	.52	.46	.41	.52	.45	.41	.51	.45	.41	.50	.45	.41	.49	.44	.41	.39



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-18

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:220.8V I:0.7043A P:151.1W PF:0.9721 Freq:49.99Hz Lamp Flux:21323.4x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-3030-90D	DIM.: 0.319*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.24M	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	.204	.116	.037	.197	.113	.036	.185	.106	.034	.173	.100	.032	.162	.094	.030	
2.0	.199	.109	.033	.193	.106	.033	.182	.101	.031	.172	.097	.030	.163	.092	.029	
3.0	.191	.102	.030	.186	.100	.030	.177	.096	.029	.168	.092	.028	.160	.089	.027	
4.0	.183	.095	.028	.179	.093	.028	.170	.090	.027	.163	.087	.026	.156	.085	.026	
5.0	.175	.089	.026	.171	.088	.026	.164	.085	.025	.157	.083	.025	.151	.080	.024	
6.0	.167	.084	.024	.163	.083	.024	.157	.080	.023	.151	.078	.023	.145	.076	.023	
7.0	.159	.079	.022	.156	.078	.022	.150	.076	.022	.145	.074	.022	.140	.073	.021	
8.0	.152	.074	.021	.149	.073	.021	.144	.072	.021	.139	.071	.020	.135	.069	.020	
9.0	.145	.070	.020	.143	.070	.020	.138	.068	.019	.134	.067	.019	.130	.066	.019	
10.0	.139	.067	.018	.137	.066	.018	.132	.065	.018	.128	.064	.018	.125	.063	.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	.094	.094	.079	.066	.054	.046	.039	.017	.015	.013	
3.0	.149	.114	.085	.128	.098	.074	.088	.068	.052	.051	.040	.031	.016	.013	.010	
4.0	.141	.100	.068	.121	.086	.059	.083	.060	.042	.048	.035	.025	.015	.011	.008	
5.0	.133	.088	.055	.114	.076	.048	.079	.053	.034	.046	.031	.020	.015	.010	.007	
6.0	.126	.080	.046	.109	.069	.040	.075	.048	.028	.043	.028	.017	.014	.009	.006	
7.0	.120	.072	.039	.104	.063	.034	.072	.044	.024	.042	.026	.014	.013	.008	.005	
8.0	.115	.066	.033	.099	.058	.029	.069	.040	.020	.040	.024	.012	.013	.008	.004	
9.0	.110	.061	.029	.095	.053	.025	.066	.037	.018	.038	.022	.011	.012	.007	.003	
10.0	.106	.057	.025	.091	.050	.022	.063	.035	.016	.037	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-18

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:220.8V I:0.7043A P:151.1W PF:0.9721 Freq:49.99Hz Lamp Flux:21323.4x1 lm										
NAME: AOK oH					TYPE:LED			WEIGHT:4.6KG		
SPEC.:AOK-150WoH-3030-90D					DIM.: 0.319*0.138M			SERIAL No.:1		
MFR.: AOK					SUR.:±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	15.6	16.8	15.9	17.0	17.1	15.6	16.8	15.9	17.0	17.2
3H	15.4	16.5	15.7	16.7	16.9	15.5	16.5	15.7	16.7	16.9
4H	15.4	16.3	15.6	16.6	16.8	15.4	16.4	15.7	16.6	16.8
6H	15.3	16.2	15.6	16.4	16.7	15.3	16.2	15.6	16.5	16.7
8H	15.2	16.1	15.5	16.4	16.6	15.3	16.1	15.6	16.4	16.7
12H	15.2	16.0	15.5	16.3	16.6	15.2	16.0	15.5	16.3	16.6
4H 2H	15.3	16.3	15.6	16.6	16.8	15.4	16.4	15.7	16.6	16.8
3H	15.2	16.0	15.5	16.3	16.6	15.2	16.0	15.5	16.3	16.6
4H	15.1	15.9	15.4	16.2	16.5	15.1	15.9	15.5	16.2	16.5
6H	15.0	15.7	15.4	16.0	16.4	15.0	15.7	15.4	16.0	16.4
8H	15.0	15.6	15.4	15.9	16.3	15.0	15.6	15.4	16.0	16.3
12H	14.9	15.5	15.3	15.8	16.2	14.9	15.5	15.4	15.9	16.3
8H 4H	15.0	15.6	15.4	15.9	16.3	15.0	15.6	15.4	16.0	16.3
6H	14.9	15.4	15.3	15.8	16.2	14.9	15.4	15.3	15.8	16.2
8H	14.8	15.3	15.3	15.7	16.1	14.9	15.3	15.3	15.7	16.2
12H	14.8	15.2	15.2	15.6	16.1	14.8	15.2	15.3	15.6	16.1
12H 4H	14.9	15.5	15.3	15.8	16.2	14.9	15.5	15.4	15.9	16.3
6H	14.8	15.3	15.3	15.7	16.1	14.9	15.3	15.3	15.7	16.2
8H	14.8	15.2	15.2	15.6	16.1	14.8	15.2	15.3	15.6	16.1
Variations with the observer position at spacings:										
S = 1.0H	+ 2.7 / -13.7					+ 2.7 / -13.7				
1.5H	+ 3.7 / -13.7					+ 3.8 / -13.7				
2.0H	+ 7.8 / -10.7					+ 7.9 / -10.2				

CIE Pub.117, 21323 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 10.6$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-18

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:220.8V I:0.7043A P:151.1W PF:0.9721 Freq:49.99Hz Lamp Flux:21323.4x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-3030-90D	DIM.: 0.319*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.24M	Shielding Angle:

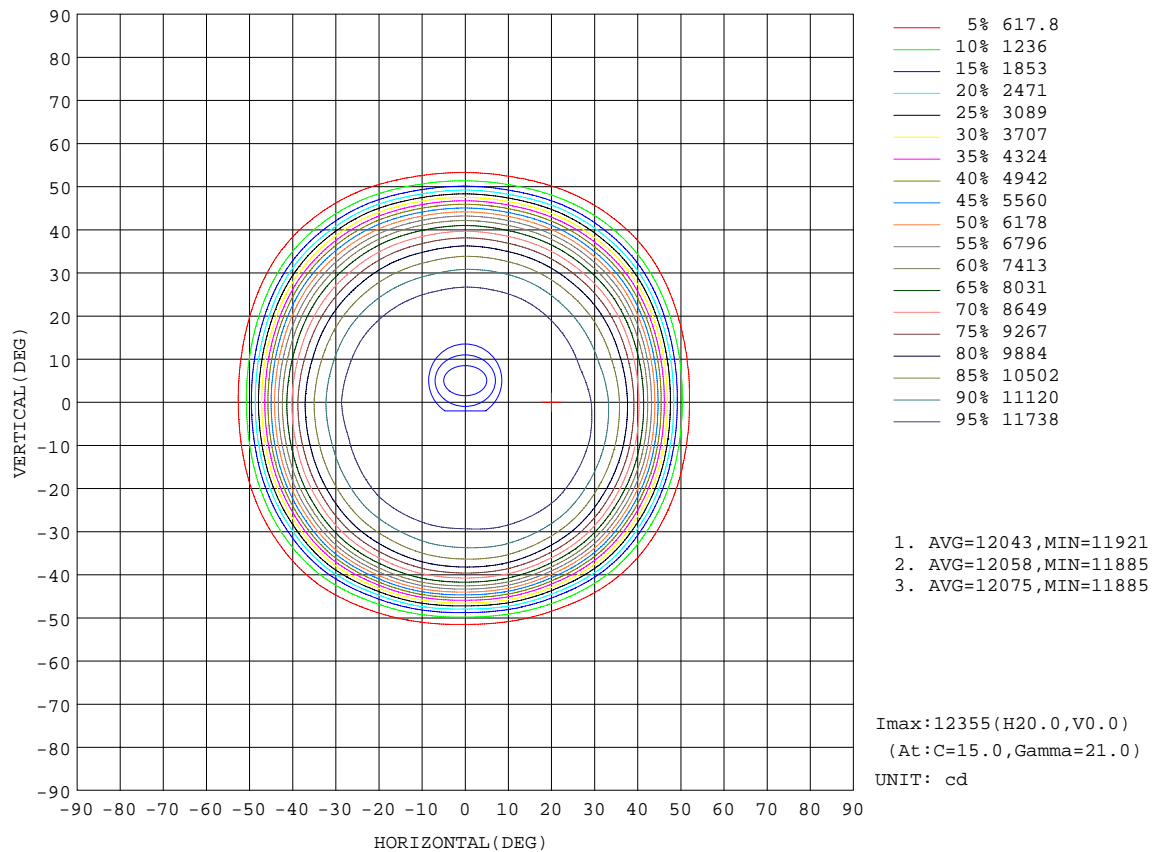
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	78	70	65	77	69	65	76	69	65	60
0.80	87	79	74	86	79	74	85	78	74	69
1.00	93	86	82	92	86	81	91	86	81	76
1.25	99	92	88	97	92	87	95	90	87	82
1.50	102	96	92	101	95	91	98	94	90	85
2.00	106	101	97	104	100	96	102	98	95	89
2.50	108	103	100	106	102	99	103	100	97	91
3.00	110	106	103	108	104	101	105	102	99	92
4.00	112	109	106	110	107	105	106	104	102	94
5.00	114	111	108	111	109	107	107	105	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:2018-10-18

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:220.8V I:0.7043A P:151.1W PF:0.9721 Freq:49.99Hz Lamp Flux:21323.4x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-3030-90D	DIM.: 0.319*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.24M	Shielding Angle:

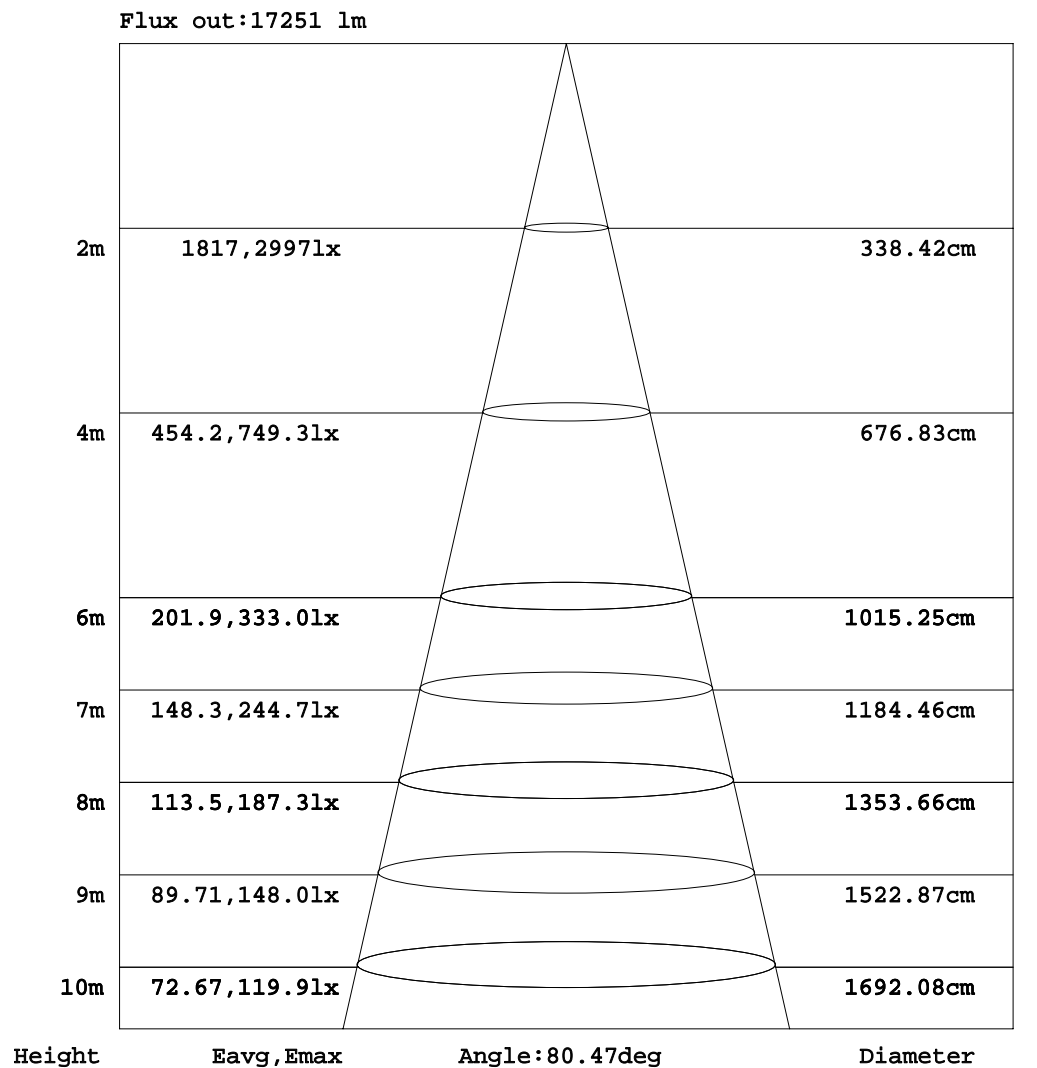


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-18

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:220.8V I:0.7043A P:151.1W PF:0.9721 Freq:49.99Hz Lamp Flux:21323.4x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-3030-90D	DIM.: 0.319*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.24M	Shielding Angle:



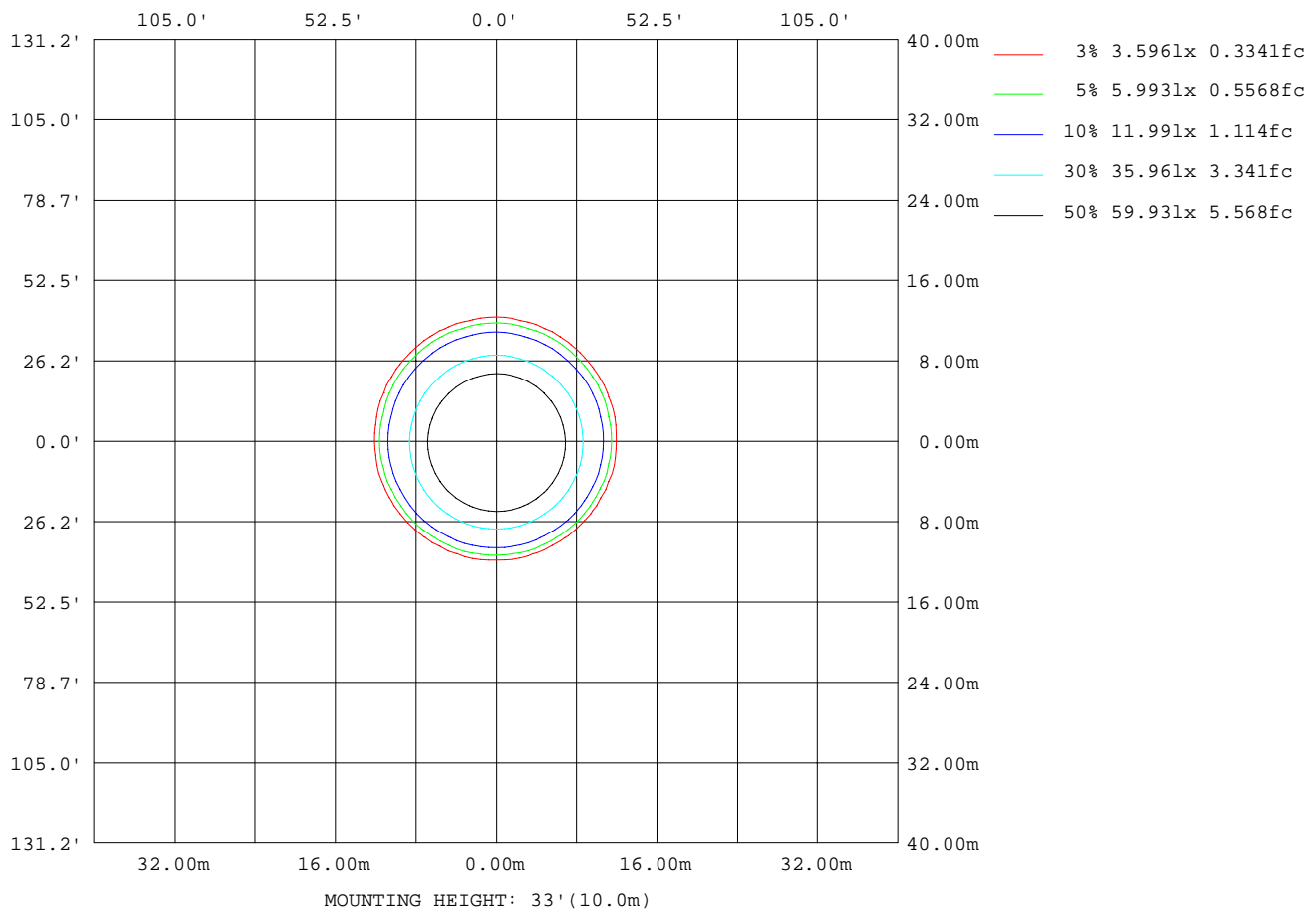
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-18

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:220.8V I:0.7043A P:151.1W PF:0.9721 Freq:49.99Hz Lamp Flux:21323.4x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150Woh-3030-90D	DIM.: 0.319*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.24M	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-18

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:220.8V I:0.7043A P:151.1W PF:0.9721 Freq:49.99Hz Lamp Flux:21323.4x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150Woh-3030-90D	DIM.: 0.319*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.24M	Shielding Angle:

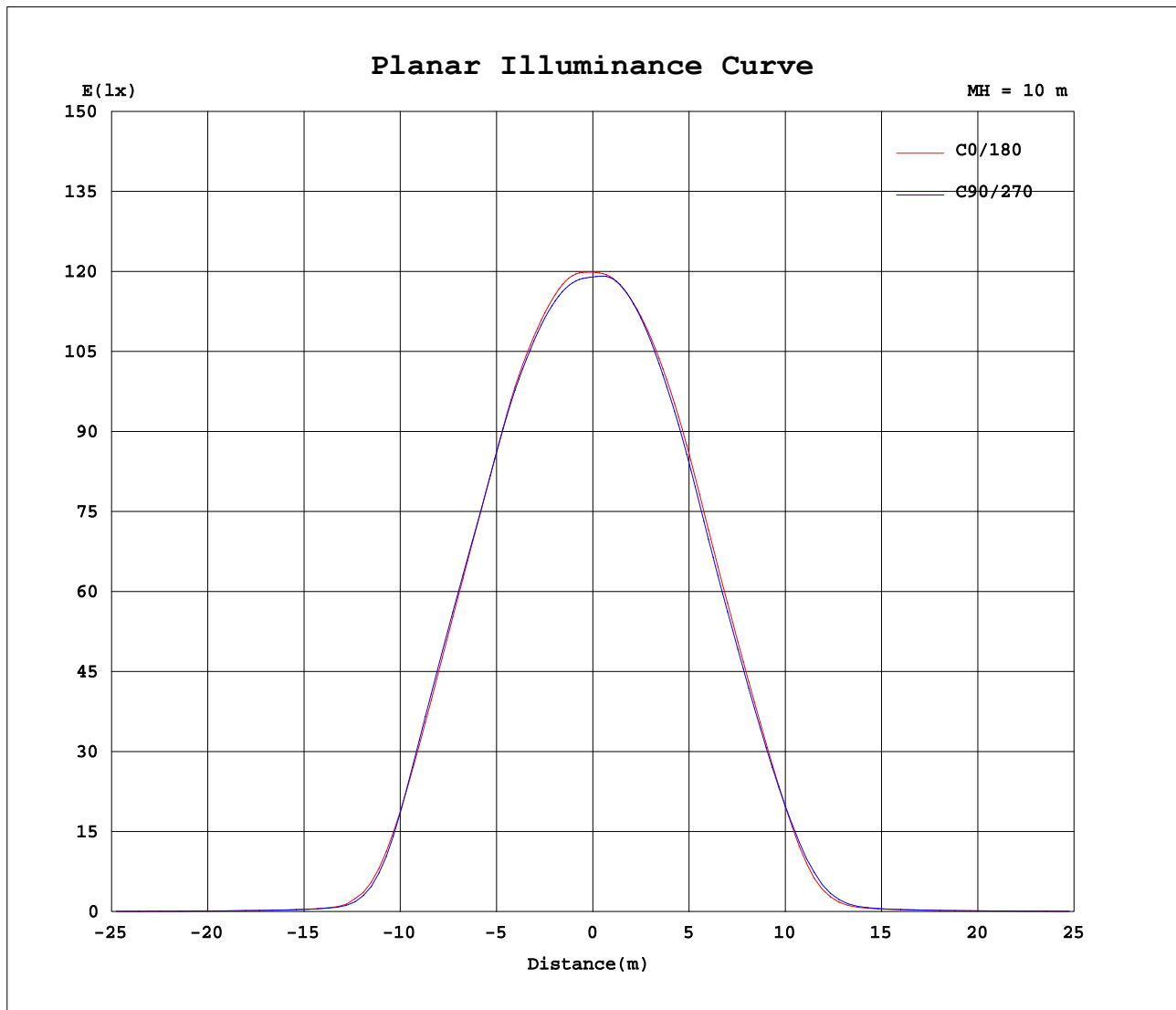
AvgL	cd/m2
L_0~180 (65) av	7042
L_0~180 (75) av	5635
L_0~180 (85) av	1074
L_90~270 (65) av	7124
L_90~270 (75) av	5692
L_90~270 (85) av	1138
L_45 (65) av	7158
L_45 (75) av	5719
L_45 (85) av	1011

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-18

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: 2018-10-18

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:220.8V I:0.7043A P:151.1W PF:0.9721 Freq:49.99Hz Lamp Flux:21323.4x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-3030-90D	DIM.: 0.319*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.24M	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	1191	1191	1191	1191	1191	1191	1191	1191	1191	1191	1191	1191	1191	1191	1191	1191	1191	1191	1191
5	1202	1200	1200	1198	1198	1197	1197	1197	1197	1197	1197	1197	1197	1199	1200	1202	1203	1204	1204
10	1214	1212	1210	1209	1209	1209	1210	1210	1210	1208	1207	1206	1206	1209	1210	1212	1213	1215	1216
15	1223	1220	1219	1217	1218	1220	1222	1221	1221	1218	1216	1216	1216	1217	1219	1220	1220	1220	1221
20	1228	1229	1229	1228	1228	1228	1228	1227	1225	1222	1219	1219	1219	1219	1219	1219	1217	1216	1214
25	1210	1219	1222	1223	1220	1218	1216	1216	1214	1212	1208	1206	1204	1201	1199	1196	1193	1192	1192
30	1157	1170	1174	1179	1176	1174	1167	1169	1168	1168	1159	1151	1147	1142	1140	1132	1126	1122	1128
35	1065	1075	1079	1088	1089	1093	1087	1085	1075	1071	1060	1054	1045	1034	1027	1019	1018	1016	1024
40	876	887	886	897	898	911	909	910	899	895	882	876	870	852	848	839	845	844	851
45	527	536	519	527	514	531	524	544	541	558	546	558	554	547	554	551	561	555	560
50	136	133	120	120	117	117	114	125	125	140	141	155	158	164	179	181	193	187	191
55	30.0	28.8	27.0	26.8	26.3	27.6	28.6	30.1	30.5	31.6	31.7	33.2	34.3	35.2	37.3	37.7	39.3	39.0	39.8
60	18.2	17.4	16.9	16.9	17.1	17.9	18.8	19.8	20.4	21.2	21.5	22.2	22.7	23.0	23.7	23.6	23.8	23.2	23.4
65	12.5	12.1	11.8	11.9	12.1	12.8	13.4	14.4	15.1	15.9	16.3	16.8	17.2	17.6	17.8	17.9	17.7	17.1	16.7
70	8.45	8.20	7.99	8.07	8.20	8.74	9.23	10.00	10.6	11.4	11.8	12.4	12.8	13.0	13.3	13.3	13.0	12.6	12.2
75	5.45	5.27	5.19	5.24	5.29	5.72	6.07	6.71	7.28	7.84	8.17	8.77	9.13	9.38	9.69	9.63	9.23	8.97	8.67
80	2.66	2.55	2.48	2.51	2.42	2.59	2.72	3.15	3.58	4.15	4.45	4.83	5.01	5.32	5.86	5.86	5.53	5.27	5.13
85	0.38	0.36	0.29	0.31	0.29	0.35	0.33	0.35	0.35	0.44	0.46	0.56	0.55	0.55	0.60	0.61	0.67	0.66	0.66
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:2018-10-18

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:220.8V I:0.7043A P:151.1W PF:0.9721 Freq:49.99Hz Lamp Flux:21323.4x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-3030-90D	DIM.: 0.319*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.24M	Shielding Angle:

Table--2

UNIT: ×10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1191	1191	1191	1191	1191														
5	1205	1205	1205	1204	1203														
10	1218	1219	1220	1218	1216														
15	1221	1222	1223	1224	1224														
20	1214	1215	1218	1221	1225														
25	1192	1194	1196	1200	1204														
30	1131	1138	1139	1143	1147														
35	1023	1030	1035	1048	1057														
40	844	849	850	866	873														
45	548	546	535	545	537														
50	180	177	159	158	144														
55	38.0	37.0	34.6	33.5	31.3														
60	22.5	21.8	20.8	20.0	18.9														
65	16.1	15.5	14.8	14.1	13.2														
70	11.5	11.0	10.3	9.80	8.90														
75	7.95	7.50	6.90	6.38	5.80														
80	4.48	4.16	3.66	3.18	2.78														
85	0.56	0.49	0.41	0.42	0.39														
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:2018-10-18

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: