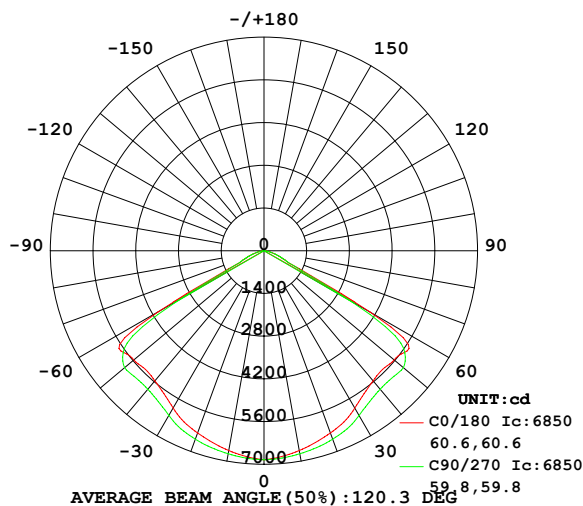


LUMINAIRE PHOTOMETRIC TEST REPORT

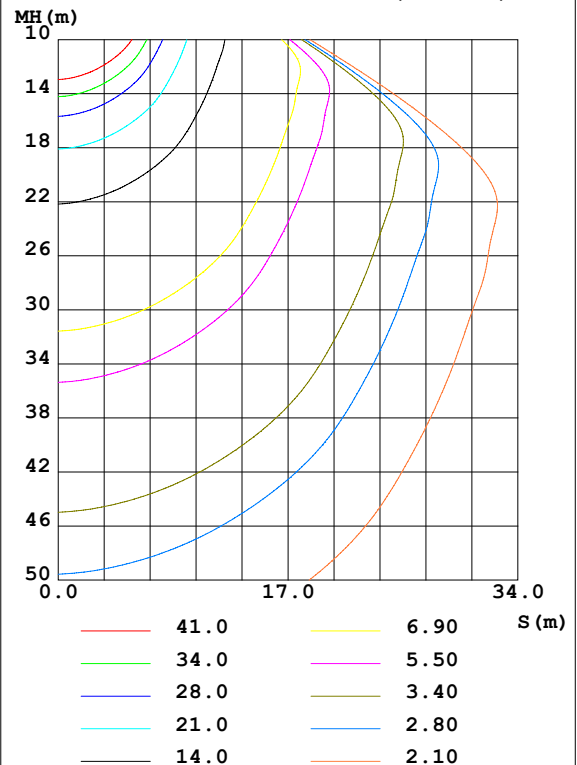
Test:U:220.8V I:0.7043A P:151.1W PF:0.9720 Freq:49.99Hz Lamp Flux:19828.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150Woh-3030-120D	DIM.: 0.319*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.24M	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.19 lm/W			
MODEL	3030	I _{max} (cd)	6850	S/MH (C0/180)	1.30
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.36
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	19829	η UP,DN (C0-180)	0.0,50.0
NOMINAL FLUX (lm)	19828.8	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,50.0
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	6650	6673	6756	6673	6650	6673	6756	6673	0- 10	644.4	644.4	3.25,3.25
20	6356	6417	6573	6417	6356	6417	6573	6417	10- 20	1856	2501	12.6,12.6
30	5954	6049	6235	6049	5954	6049	6235	6049	20- 30	2897	5397	27.2,27.2
40	5566	5631	5924	5631	5566	5631	5924	5631	30- 40	3667	9064	45.7,45.7
50	5570	5678	5962	5678	5570	5678	5962	5678	40- 50	4373	13438	67.8,67.8
60	4020	3835	3215	3835	4020	3835	3215	3835	50- 60	4863	18300	92.3,92.3
70	529.1	523.3	528.4	523.3	529.1	523.3	528.4	523.3	60- 70	1169	19470	98.2,98.2
80	126.3	126.4	118.9	126.4	126.3	126.4	118.9	126.4	70- 80	329.3	19799	99.8,99.8
90	0	0	0	0	0	0	0	0	80- 90	29.96	19829	100,100
100	0	0	0	0	0	0	0	0	90-100	0	19829	100,100
110	0	0	0	0	0	0	0	0	100-110	0	19829	100,100
120	0	0	0	0	0	0	0	0	110-120	0	19829	100,100
130	0	0	0	0	0	0	0	0	120-130	0	19829	100,100
140	0	0	0	0	0	0	0	0	130-140	0	19829	100,100
150	0	0	0	0	0	0	0	0	140-150	0	19829	100,100
160	0	0	0	0	0	0	0	0	150-160	0	19829	100,100
170	0	0	0	0	0	0	0	0	160-170	0	19829	100,100
180	0	0	0	0	0	0	0	0	170-180	0	19829	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 11150 lm

%lum = 56.2%

%lamp = 56.2%

Conical surface Flux(120deg): 18300 lm

%lum = 92.3%

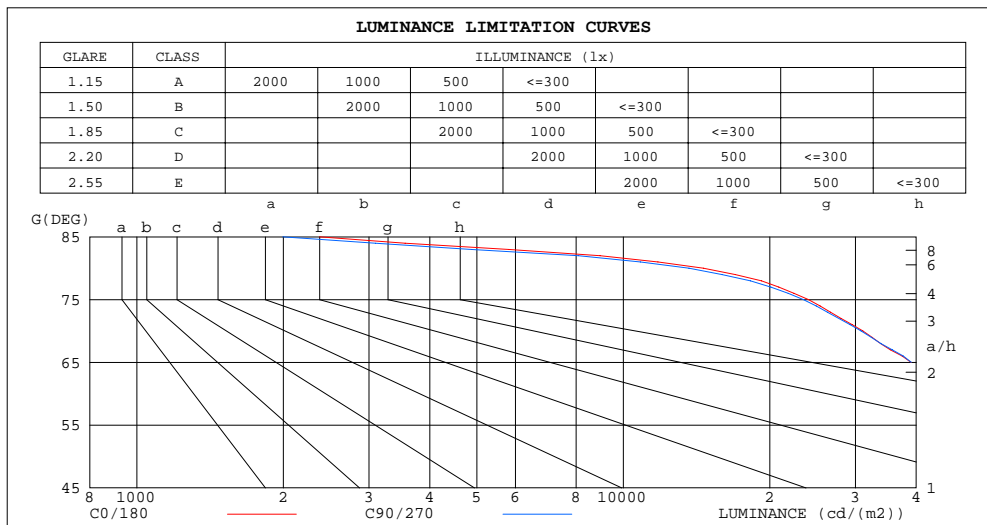
%lamp = 92.3%

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:0.9720 Freq:49.99Hz Lamp Flux:19828.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-3030-120D	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	2373	1996
80	14611	13647
75	24006	23442
70	31071	30802
65	39018	39091
60	161455	128203
55	200538	194396
50	174028	184943
45	156121	166739

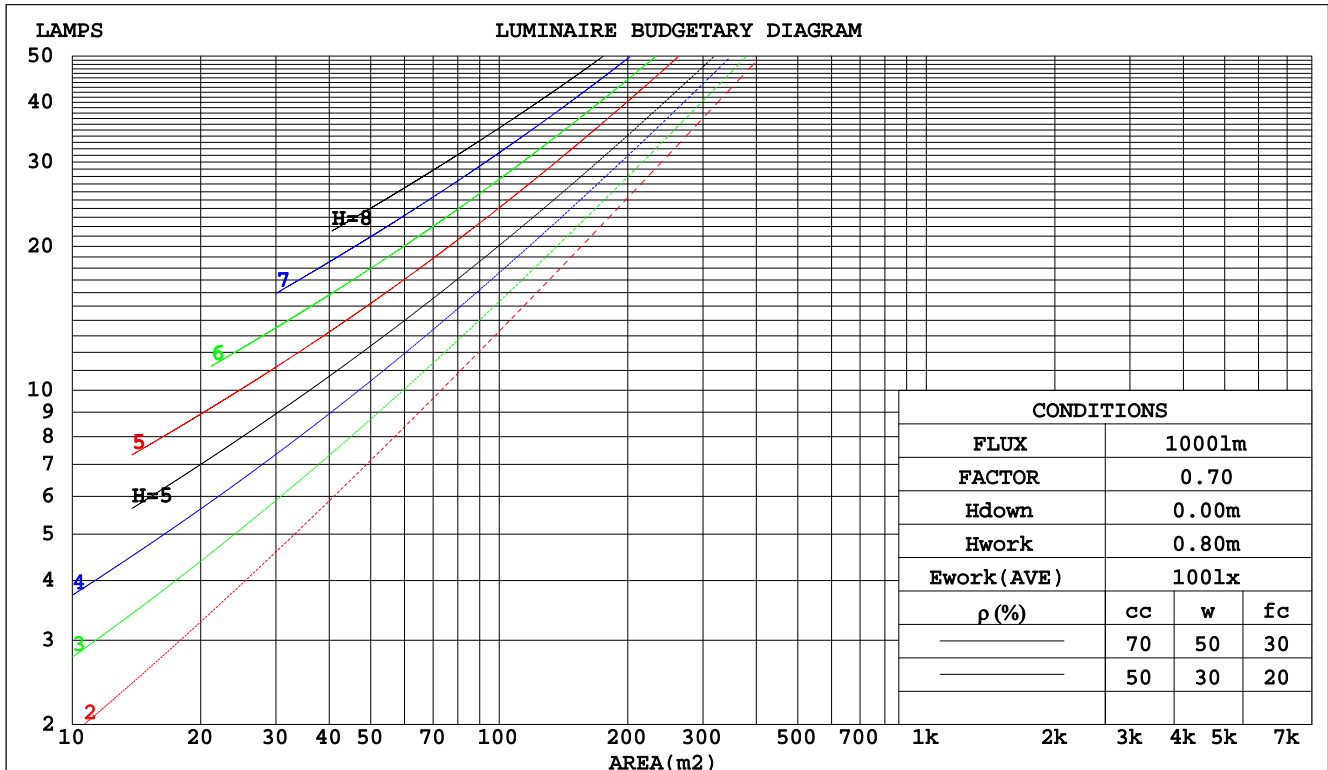
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-18

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:0.9720 Freq:49.99Hz Lamp Flux:19828.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-3030-120D	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						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	1.06	1.03	.00	1.04	1.01	.98	1.00	.97	.95	.96	.94	.92	.93	.91	.89	.87
2.0	.94	.88	.83	.92	.87	.82	.89	.84	.80	.85	.82	.78	.83	.79	.76	.74
3.0	.83	.75	.70	.81	.75	.69	.79	.73	.68	.76	.71	.67	.73	.69	.65	.63
4.0	.74	.65	.59	.72	.65	.59	.70	.63	.58	.68	.62	.57	.65	.60	.56	.54
5.0	.66	.57	.51	.64	.56	.50	.62	.55	.50	.60	.54	.49	.59	.53	.49	.47
6.0	.59	.50	.44	.58	.50	.44	.56	.49	.43	.54	.48	.43	.53	.47	.43	.41
7.0	.53	.44	.38	.52	.44	.38	.51	.43	.38	.49	.43	.38	.48	.42	.37	.35
8.0	.48	.40	.34	.47	.39	.34	.46	.39	.34	.45	.38	.33	.44	.38	.33	.31
9.0	.44	.36	.30	.43	.36	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28
10.0	.40	.33	.27	.40	.32	.27	.39	.32	.27	.38	.32	.27	.37	.31	.27	.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:

WEC AND CCEC

Test:U:220.8V I:0.7043A P:151.1W PF:0.9720 Freq:49.99Hz Lamp Flux:19828.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-3030-120D	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						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.260	.148	.047	.253	.145	.046	.240	.138	.044	.229	.132	.042	.217	.126	.041		
2.0	.258	.141	.043	.252	.139	.043	.240	.134	.041	.230	.129	.040	.220	.124	.039		
3.0	.247	.131	.039	.241	.129	.039	.231	.125	.038	.222	.122	.037	.213	.118	.037		
4.0	.233	.121	.036	.229	.120	.035	.220	.116	.035	.211	.113	.034	.204	.111	.034		
5.0	.219	.112	.032	.215	.111	.032	.207	.108	.032	.200	.105	.031	.193	.103	.031		
6.0	.206	.103	.030	.202	.102	.029	.195	.100	.029	.189	.098	.029	.182	.096	.029		
7.0	.194	.096	.027	.190	.095	.027	.184	.093	.027	.178	.091	.027	.172	.090	.026		
8.0	.182	.089	.025	.179	.088	.025	.173	.087	.025	.168	.085	.025	.163	.084	.024		
9.0	.172	.083	.023	.169	.082	.023	.164	.081	.023	.159	.080	.023	.154	.078	.023		
10.0	.162	.078	.022	.159	.077	.021	.155	.076	.021	.150	.075	.021	.146	.074	.021		

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	.177	.157	.138	.151	.134	.119	.104	.092	.082	.060	.053	.048	.019	.017	.015	
2.0	.168	.132	.102	.144	.114	.088	.098	.079	.062	.057	.046	.036	.018	.015	.012	
3.0	.160	.114	.078	.137	.098	.067	.094	.068	.047	.054	.040	.028	.017	.013	.009	
4.0	.153	.101	.061	.131	.087	.053	.090	.061	.037	.052	.035	.022	.017	.012	.007	
5.0	.146	.090	.049	.126	.078	.042	.086	.054	.030	.050	.032	.018	.016	.010	.006	
6.0	.140	.082	.040	.120	.071	.035	.083	.050	.025	.048	.029	.015	.016	.010	.005	
7.0	.133	.075	.034	.115	.065	.030	.079	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.128	.069	.029	.110	.060	.025	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.122	.064	.025	.105	.056	.022	.073	.039	.016	.042	.023	.009	.014	.008	.003	
10.0	.116	.060	.023	.100	.052	.020	.070	.037	.014	.041	.022	.008	.013	.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:0.9720 Freq:49.99Hz Lamp Flux:19828.8x1 lm											
NAME: AOK oH					TYPE:LED			WEIGHT:4.6KG			
SPEC.:AOK-150WoH-3030-120D					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	21.0	22.5	21.3	22.7	22.9	20.8	22.2	21.0	22.4	22.6	
	3H	20.9	22.3	21.2	22.5	22.7	20.7	22.0	21.0	22.2	22.5
	4H	20.9	22.1	21.2	22.4	22.6	20.6	21.9	20.9	22.1	22.4
	6H	20.8	22.0	21.1	22.2	22.5	20.5	21.7	20.9	22.0	22.3
	8H	20.7	21.9	21.1	22.1	22.4	20.5	21.6	20.8	21.9	22.2
	12H	20.7	21.8	21.0	22.1	22.4	20.4	21.5	20.8	21.8	22.1
4H	2H	21.1	22.4	21.4	22.6	22.9	20.9	22.1	21.2	22.4	22.6
	3H	21.1	22.1	21.4	22.4	22.7	20.8	21.9	21.2	22.2	22.5
	4H	21.0	22.0	21.4	22.3	22.6	20.8	21.8	21.2	22.1	22.4
	6H	21.0	21.8	21.4	22.2	22.5	20.8	21.6	21.1	22.0	22.3
	8H	20.9	21.7	21.3	22.1	22.5	20.7	21.5	21.1	21.9	22.2
	12H	20.9	21.6	21.3	22.0	22.4	20.7	21.4	21.1	21.8	22.2
8H	4H	20.9	21.7	21.3	22.1	22.5	20.7	21.5	21.1	21.9	22.2
	6H	20.9	21.5	21.3	21.9	22.4	20.7	21.3	21.1	21.7	22.1
	8H	20.8	21.4	21.3	21.8	22.3	20.6	21.2	21.1	21.6	22.1
	12H	20.8	21.3	21.3	21.7	22.2	20.6	21.1	21.1	21.5	22.0
12H	4H	20.9	21.6	21.3	22.0	22.4	20.7	21.4	21.1	21.8	22.2
	6H	20.8	21.4	21.3	21.8	22.3	20.6	21.2	21.1	21.6	22.1
	8H	20.8	21.3	21.3	21.7	22.2	20.6	21.1	21.1	21.5	22.0
Variations with the observer position at spacings:											
S = 1.0H	+ 1.2 / - 1.1					+ 1.2 / - 1.1					
1.5H	+ 2.2 / - 2.4					+ 2.0 / - 2.1					
2.0H	+ 2.0 / - 7.7					+ 1.8 / - 7.4					

CIE Pub.117, 19829 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 10.4$)

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:0.9720 Freq:49.99Hz Lamp Flux:19828.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-3030-120D	DIM.: 0.319*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.24M	Shielding Angle:

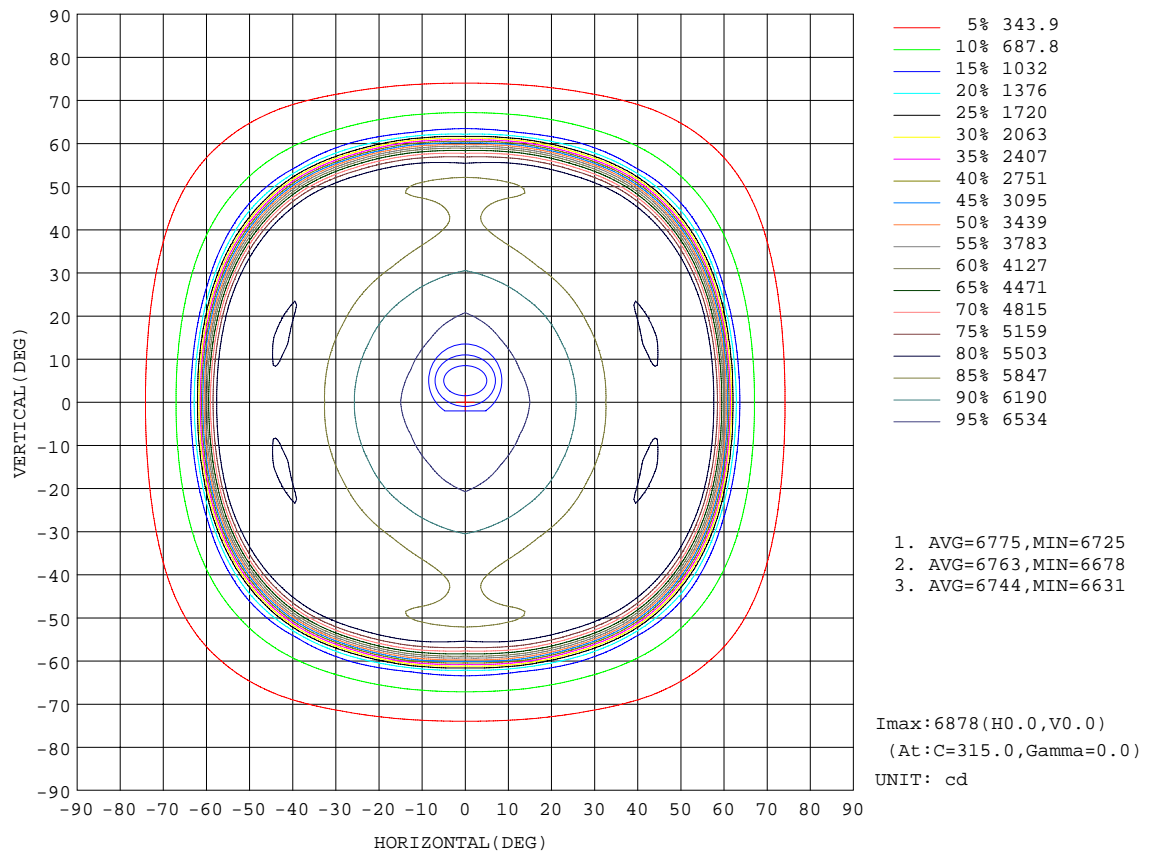
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	56	44	37	55	44	37	54	43	37	30
0.80	68	56	49	67	56	49	65	55	48	41
1.00	78	68	61	77	67	60	75	68	60	53
1.25	86	76	70	85	76	69	82	74	69	62
1.50	91	82	76	90	81	75	87	80	74	67
2.00	98	91	85	97	90	84	93	87	83	76
2.50	102	95	89	100	93	89	96	91	87	79
3.00	105	99	94	103	97	93	99	94	91	83
4.00	108	103	99	106	101	97	102	98	95	86
5.00	110	105	102	107	104	100	103	100	97	88
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHR _{NOM} = 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:0.9720 Freq:49.99Hz Lamp Flux:19828.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-3030-120D	DIM.: 0.319*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.24M	Shielding Angle:



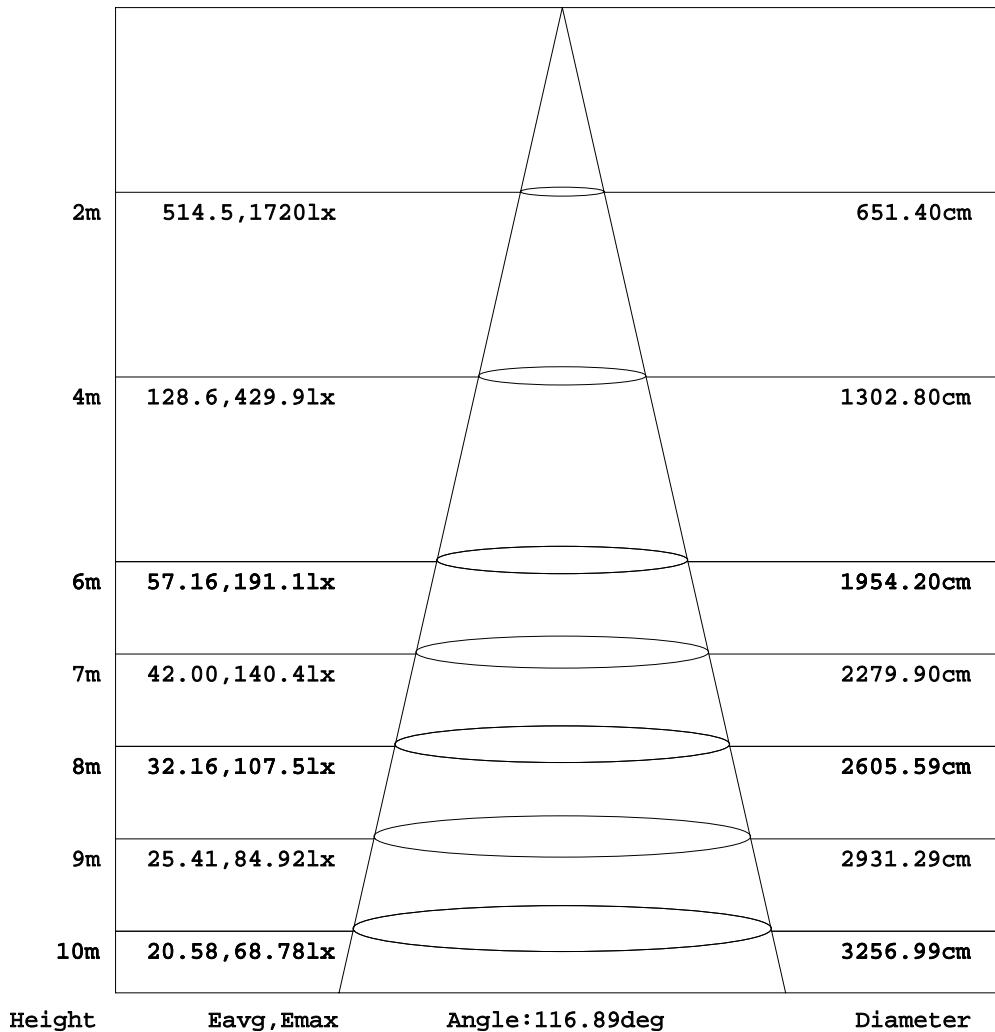
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-18

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:

AAI Figure

Test:U:220.8V I:0.7043A P:151.1W PF:0.9720 Freq:49.99Hz Lamp Flux:19828.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-3030-120D	DIM.: 0.319*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.24M	Shielding Angle:

Flux out:17907 lm



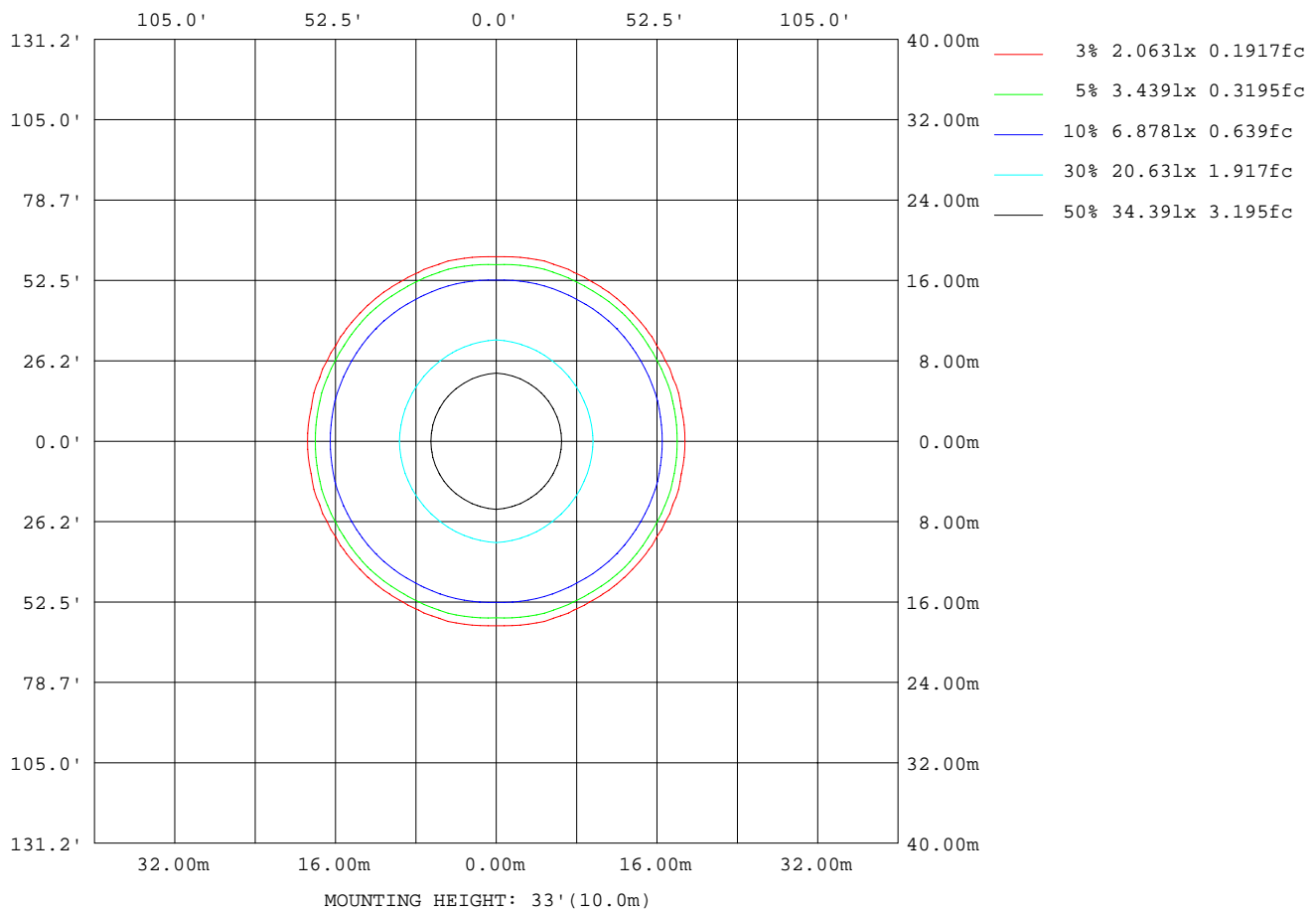
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:0.9720 Freq:49.99Hz Lamp Flux:19828.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150Woh-3030-120D	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:0.9720 Freq:49.99Hz Lamp Flux:19828.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-3030-120D	DIM.: 0.319*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.24M	Shielding Angle:

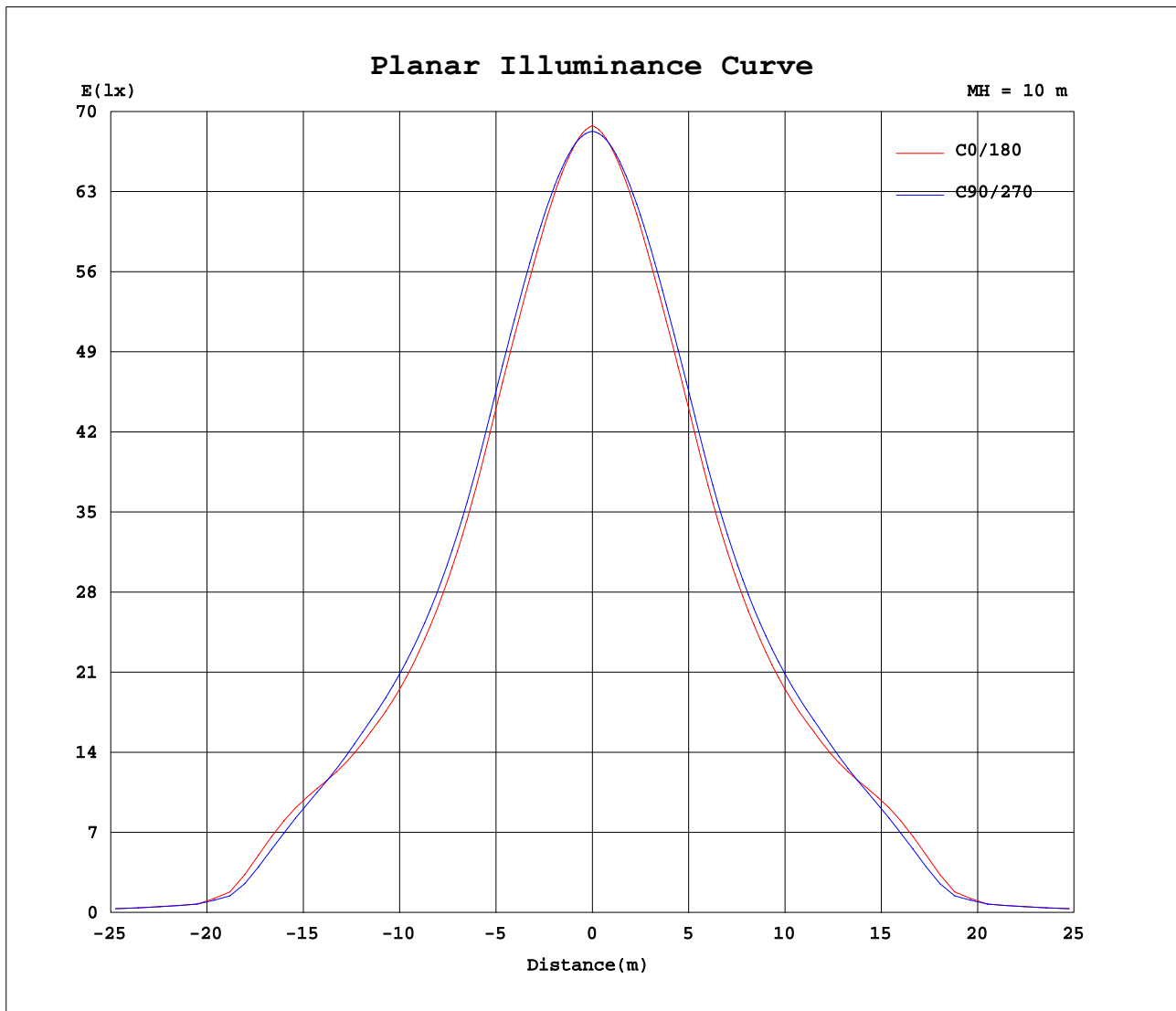
AvgL	cd/m2
L_0~180 (65) av	38855
L_0~180 (75) av	23906
L_0~180 (85) av	2363
L_90~270 (65) av	39211
L_90~270 (75) av	23514
L_90~270 (85) av	2003
L_45 (65) av	38382
L_45 (75) av	23988
L_45 (85) av	2013

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:0.9720 Freq:49.99Hz Lamp Flux:19828.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-3030-120D	DIM.: 0.319*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.24M	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	6850	6850	6850	6850	6850	6850	6850	6850	6850	6850	6850	6850	6850	6850	6850	6850	6850	6850	6850
5	6768	6770	6771	6780	6791	6806	6820	6806	6791	6780	6771	6770	6768	6770	6771	6780	6791	6806	6820
10	6650	6649	6654	6673	6694	6724	6756	6724	6694	6673	6654	6649	6650	6649	6654	6673	6694	6724	6756
15	6506	6509	6519	6548	6582	6630	6678	6630	6582	6548	6519	6509	6506	6509	6519	6548	6582	6630	6678
20	6356	6361	6380	6417	6460	6516	6573	6516	6460	6417	6380	6361	6356	6361	6380	6417	6460	6516	6573
25	6193	6204	6224	6265	6311	6372	6440	6372	6311	6265	6224	6204	6193	6204	6224	6265	6311	6372	6440
30	5954	5978	6006	6049	6091	6158	6235	6158	6091	6049	6006	5978	5954	5978	6006	6049	6091	6158	6235
35	5721	5739	5762	5813	5866	5949	6036	5949	5866	5813	5762	5739	5721	5739	5762	5813	5866	5949	6036
40	5566	5552	5577	5631	5711	5814	5924	5814	5711	5631	5577	5552	5566	5552	5577	5631	5711	5814	5924
45	5497	5474	5504	5567	5670	5794	5913	5794	5670	5567	5504	5474	5497	5474	5504	5567	5670	5794	5913
50	5570	5552	5594	5678	5776	5882	5962	5882	5776	5678	5594	5552	5570	5552	5594	5678	5776	5882	5962
55	5727	5786	5791	5783	5748	5712	5592	5712	5748	5783	5791	5786	5727	5786	5791	5783	5748	5712	5592
60	4020	4070	3852	3835	3554	3498	3215	3498	3554	3835	3852	4070	4020	4070	3852	3835	3554	3498	3215
65	821	819	808	811	817	827	829	827	817	811	808	819	821	819	808	811	817	827	829
70	529	532	523	523	519	528	528	528	519	523	523	532	529	532	523	523	519	528	528
75	309	312	306	310	302	306	304	306	302	310	306	312	309	312	306	310	302	306	304
80	126	130	127	126	120	119	119	119	120	126	127	130	126	130	127	126	120	119	119
85	10.3	10.2	8.34	8.77	8.29	9.47	8.73	9.47	8.29	8.77	8.34	10.2	10.3	10.2	8.34	8.77	8.29	9.47	8.73
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:0.9720 Freq:49.99Hz Lamp Flux:19828.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-3030-120D	DIM.: 0.319*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.24M	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	6850	6850	6850	6850	6850														
5	6806	6791	6780	6771	6770														
10	6724	6694	6673	6654	6649														
15	6630	6582	6548	6519	6509														
20	6516	6460	6417	6380	6361														
25	6372	6311	6265	6224	6204														
30	6158	6091	6049	6006	5978														
35	5949	5866	5813	5762	5739														
40	5814	5711	5631	5577	5552														
45	5794	5670	5567	5504	5474														
50	5882	5776	5678	5594	5552														
55	5712	5748	5783	5791	5786														
60	3498	3554	3835	3852	4070														
65	827	817	811	808	819														
70	528	519	523	523	532														
75	306	302	310	306	312														
80	119	120	126	127	130														
85	9.47	8.29	8.77	8.34	10.2														
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: