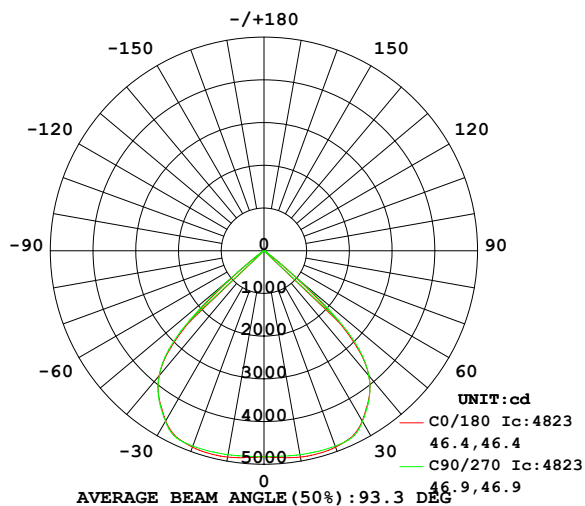


LUMINAIRE PHOTOMETRIC TEST REPORT

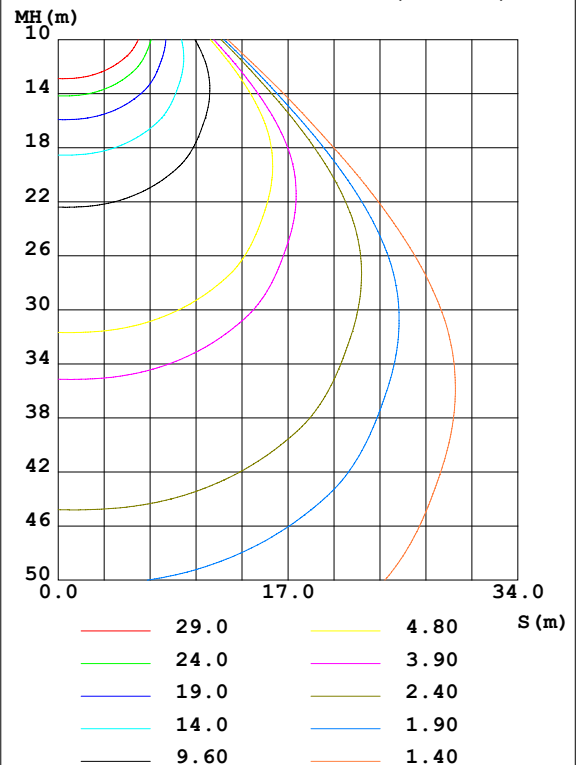
Test:U:220.9V I:0.2896A P:62.31W PF:0.9740 Freq:49.99Hz Lamp Flux:9145.46x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-90D	DIM.: 0.24*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.14M	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 146.78 lm/W			
MODEL	3030	I _{max} (cd)	4917	S/MH (C0/180)	1.36
NOMINAL POWER (W)	60	LOR (%)	100.0	S/MH (C90/270)	1.37
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	9145.5	η UP,DN (C0-180)	0.0,50.0
NOMINAL FLUX (lm)	9145.46	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	4903	4884	4849	4884	4903	4884	4849	4884	0- 10	463.8	463.8	5.07,5.07
20	4893	4885	4869	4885	4893	4885	4869	4885	10- 20	1387	1850	20.2,20.2
30	4601	4600	4613	4600	4601	4600	4613	4600	20- 30	2216	4066	44.5,44.5
40	3818	3802	3816	3802	3818	3802	3816	3802	30- 40	2654	6720	73.5,73.5
50	1036	1193	1158	1193	1036	1193	1158	1193	40- 50	2112	8832	96.6,96.6
60	46.06	49.13	50.96	49.13	46.06	49.13	50.96	49.13	50- 60	255.5	9088	99.4,99.4
70	25.26	26.42	26.48	26.42	25.26	26.42	26.48	26.42	60- 70	35.31	9123	99.8,99.8
80	9.021	9.518	8.832	9.518	9.021	9.518	8.832	9.518	70- 80	19.29	9142	100,100
90	0	0	0	0	0	0	0	0	80- 90	3.184	9145	100,100
100	0	0	0	0	0	0	0	0	90-100	0	9145	100,100
110	0	0	0	0	0	0	0	0	100-110	0	9145	100,100
120	0	0	0	0	0	0	0	0	110-120	0	9145	100,100
130	0	0	0	0	0	0	0	0	120-130	0	9145	100,100
140	0	0	0	0	0	0	0	0	130-140	0	9145	100,100
150	0	0	0	0	0	0	0	0	140-150	0	9145	100,100
160	0	0	0	0	0	0	0	0	150-160	0	9145	100,100
170	0	0	0	0	0	0	0	0	160-170	0	9145	100,100
180	0	0	0	0	0	0	0	0	170-180	0	9145	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 7988.5 lm

%lum = 87.3%

%lamp = 87.3%

Conical surface Flux(120deg): 9087.7 lm

%lum = 99.4%

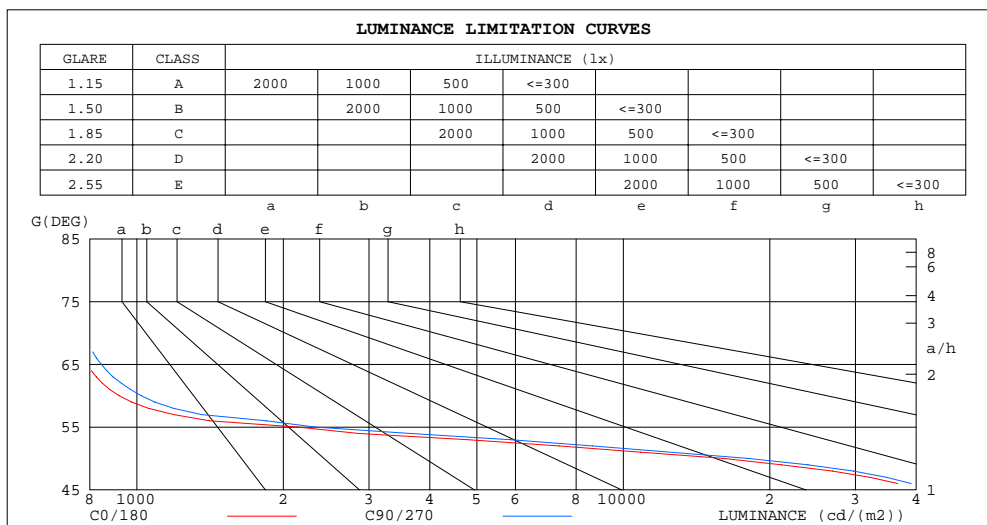
%lamp = 99.4%

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:

LUMINANCE LIMITATION CURVES

Test:U:220.9V I:0.2896A P:62.31W PF:0.9740 Freq:49.99Hz Lamp Flux:9145.46x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-90D	DIM.: 0.24*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.14M	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	188	205
80	519	509
75	700	723
70	737	775
65	791	845
60	919	1021
55	2142	2322
50	16081	18049
45	40489	42223

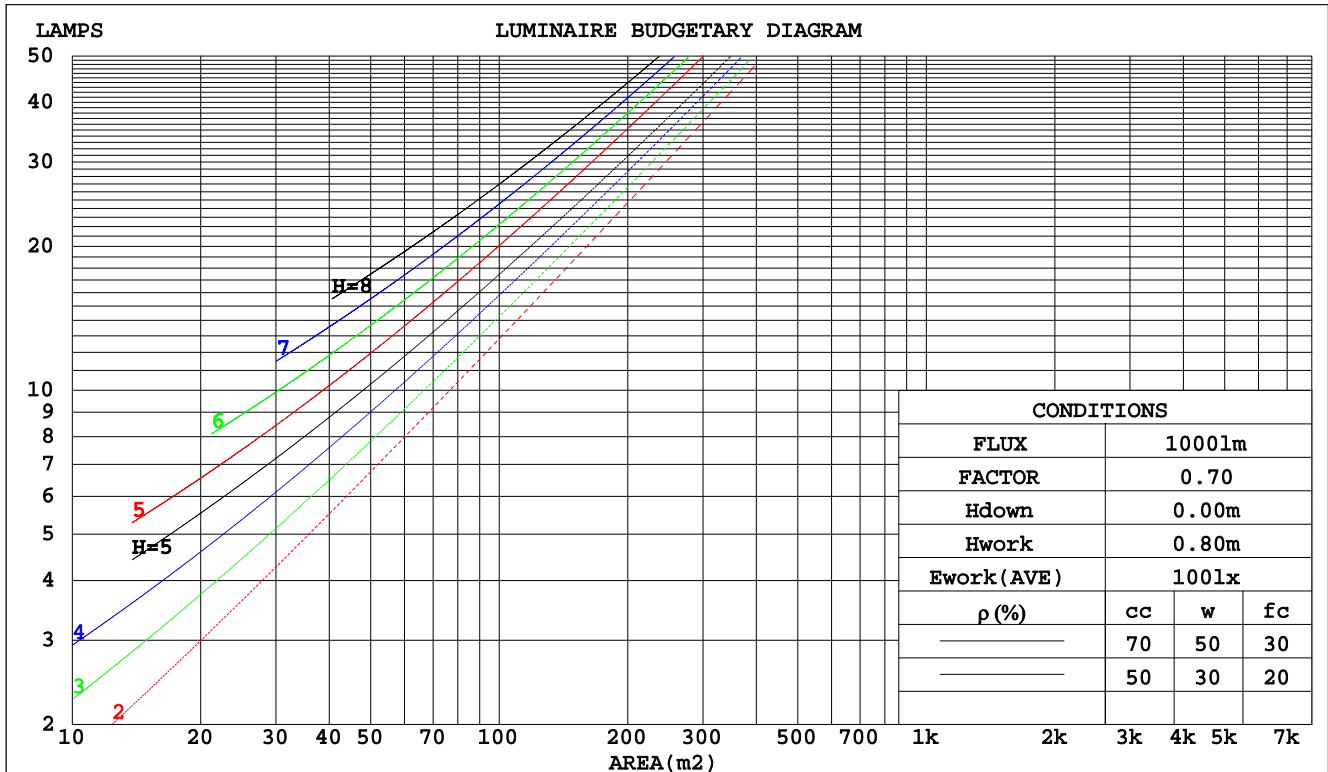
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-18

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:220.9V I:0.2896A P:62.31W PF:0.9740 Freq:49.99Hz Lamp Flux:9145.46x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-90D	DIM.: 0.24*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.14M	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															



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:220.9V I:0.2896A P:62.31W PF:0.9740 Freq:49.99Hz Lamp Flux:9145.46x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-90D	DIM.: 0.24*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.14M	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	.207	.118	.037	.200	.114	.036	.187	.108	.034	.176	.101	.033	.165	.096	.031	
2.0	.202	.111	.034	.197	.108	.033	.186	.103	.032	.176	.099	.031	.166	.094	.030	
3.0	.195	.104	.031	.190	.102	.031	.180	.098	.030	.172	.094	.029	.164	.091	.028	
4.0	.187	.097	.029	.182	.095	.028	.174	.092	.028	.166	.089	.027	.159	.087	.026	
5.0	.178	.091	.026	.175	.090	.026	.167	.087	.026	.160	.085	.025	.154	.082	.025	
6.0	.170	.085	.024	.167	.084	.024	.160	.082	.024	.154	.080	.024	.149	.078	.023	
7.0	.163	.080	.023	.159	.079	.023	.154	.078	.022	.148	.076	.022	.143	.074	.022	
8.0	.155	.076	.021	.152	.075	.021	.147	.074	.021	.142	.072	.021	.138	.071	.021	
9.0	.148	.072	.020	.146	.071	.020	.141	.070	.020	.136	.068	.020	.132	.067	.019	
10.0	.142	.068	.019	.139	.067	.019	.135	.066	.019	.131	.065	.018	.127	.064	.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	.038	.017	.015	.013	
3.0	.150	.114	.085	.129	.098	.074	.088	.068	.052	.051	.040	.030	.016	.013	.010	
4.0	.141	.100	.068	.121	.086	.059	.083	.060	.041	.048	.035	.024	.016	.011	.008	
5.0	.134	.089	.055	.115	.077	.048	.079	.054	.034	.046	.031	.020	.015	.010	.007	
6.0	.128	.080	.045	.110	.069	.040	.076	.048	.028	.044	.028	.017	.014	.009	.005	
7.0	.122	.073	.038	.105	.063	.033	.072	.044	.024	.042	.026	.014	.014	.009	.005	
8.0	.116	.067	.033	.100	.058	.028	.069	.041	.020	.040	.024	.012	.013	.008	.004	
9.0	.111	.062	.028	.096	.054	.025	.066	.038	.017	.039	.022	.010	.013	.007	.003	
10.0	.107	.058	.025	.092	.050	.022	.064	.035	.015	.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:220.9V I:0.2896A P:62.31W PF:0.9740 Freq:49.99Hz Lamp Flux:9145.46x1 lm										
NAME: AOK oH					TYPE:LED			WEIGHT:2.9KG		
SPEC.:AOK-60WoH-3030-90D					DIM.: 0.24*0.138M			SERIAL No.:1		
MFR.: AOK					SUR.:±0.14M			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	14.0	15.2	14.2	15.3	15.5	14.1	15.3	14.4	15.5	15.7
3H	13.8	14.9	14.1	15.1	15.3	13.9	15.0	14.2	15.2	15.4
4H	13.7	14.7	14.0	14.9	15.2	13.8	14.8	14.1	15.1	15.3
6H	13.6	14.6	13.9	14.8	15.1	13.7	14.7	14.1	14.9	15.2
8H	13.6	14.5	13.9	14.7	15.0	13.7	14.6	14.0	14.9	15.1
12H	13.5	14.4	13.9	14.7	14.9	13.7	14.5	14.0	14.8	15.1
4H 2H	13.7	14.7	14.0	14.9	15.2	13.8	14.8	14.1	15.1	15.3
3H	13.5	14.4	13.9	14.7	14.9	13.7	14.5	14.0	14.8	15.1
4H	13.4	14.2	13.8	14.5	14.8	13.6	14.3	13.9	14.7	15.0
6H	13.3	14.0	13.7	14.4	14.7	13.5	14.2	13.9	14.5	14.8
8H	13.3	13.9	13.7	14.3	14.7	13.4	14.1	13.8	14.4	14.8
12H	13.3	13.8	13.7	14.2	14.6	13.4	14.0	13.8	14.3	14.7
8H 4H	13.3	13.9	13.7	14.3	14.7	13.4	14.1	13.8	14.4	14.8
6H	13.2	13.7	13.6	14.1	14.5	13.3	13.9	13.8	14.3	14.7
8H	13.2	13.6	13.6	14.0	14.5	13.3	13.7	13.7	14.2	14.6
12H	13.1	13.5	13.6	13.9	14.4	13.3	13.6	13.7	14.1	14.5
12H 4H	13.3	13.8	13.7	14.2	14.6	13.4	14.0	13.8	14.3	14.7
6H	13.2	13.6	13.6	14.0	14.5	13.3	13.7	13.7	14.2	14.6
8H	13.1	13.5	13.6	13.9	14.4	13.3	13.6	13.7	14.1	14.5
Variations with the observer position at spacings:										
S = 1.0H	+ 3.0 / -16.1					+ 3.0 / -15.8				
1.5H	+ 2.4 / -15.8					+ 2.3 / -14.9				
2.0H	+ 7.0 / -15.2					+ 7.0 / -15.3				

CIE Pub.117, 9145 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 7.7$)

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:220.9V I:0.2896A P:62.31W PF:0.9740 Freq:49.99Hz Lamp Flux:9145.46x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-90D	DIM.: 0.24*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.14M	Shielding Angle:

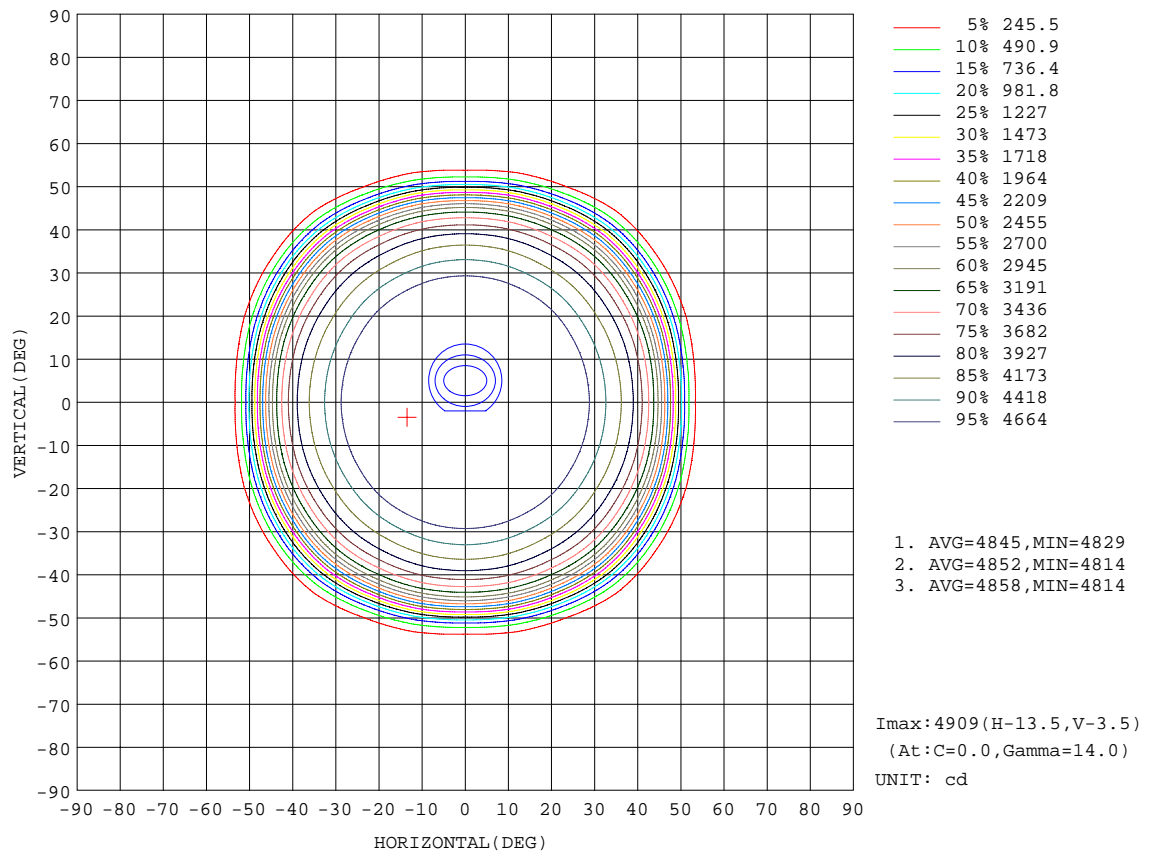
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	75	66	61	74	66	61	73	65	61	56
0.80	84	76	71	84	76	71	82	75	71	66
1.00	92	84	79	91	84	79	89	84	78	73
1.25	97	90	86	96	90	85	94	89	85	80
1.50	101	95	90	100	94	90	97	92	89	83
2.00	105	100	96	104	99	95	101	97	94	88
2.50	107	103	99	106	101	98	102	99	96	89
3.00	109	105	102	107	104	101	104	101	98	92
4.00	112	108	105	110	106	104	106	103	101	94
5.00	113	110	107	111	108	106	107	105	103	95
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 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:220.9V I:0.2896A P:62.31W PF:0.9740 Freq:49.99Hz Lamp Flux:9145.46x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-90D	DIM.: 0.24*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.14M	Shielding Angle:



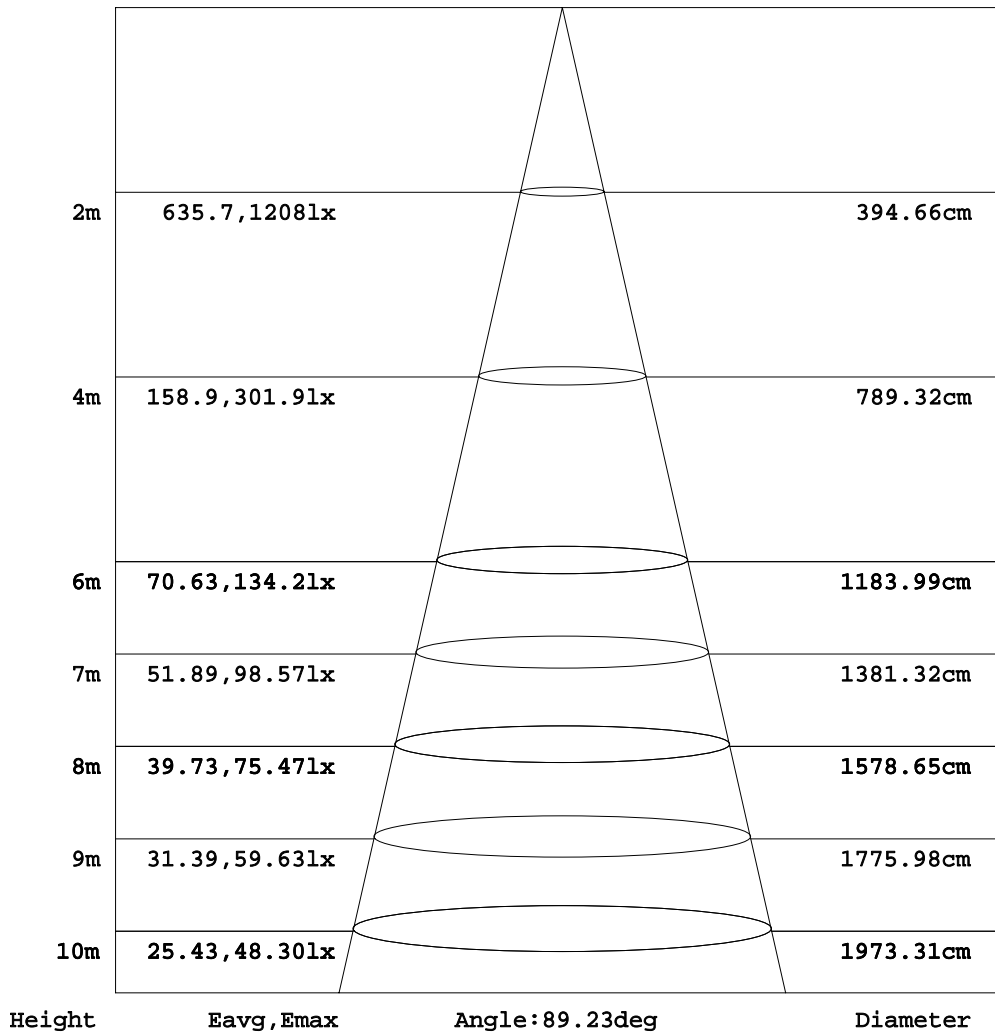
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-18

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:220.9V I:0.2896A P:62.31W PF:0.9740 Freq:49.99Hz Lamp Flux:9145.46x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-90D	DIM.: 0.24*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.14M	Shielding Angle:

Flux out:7989 lm



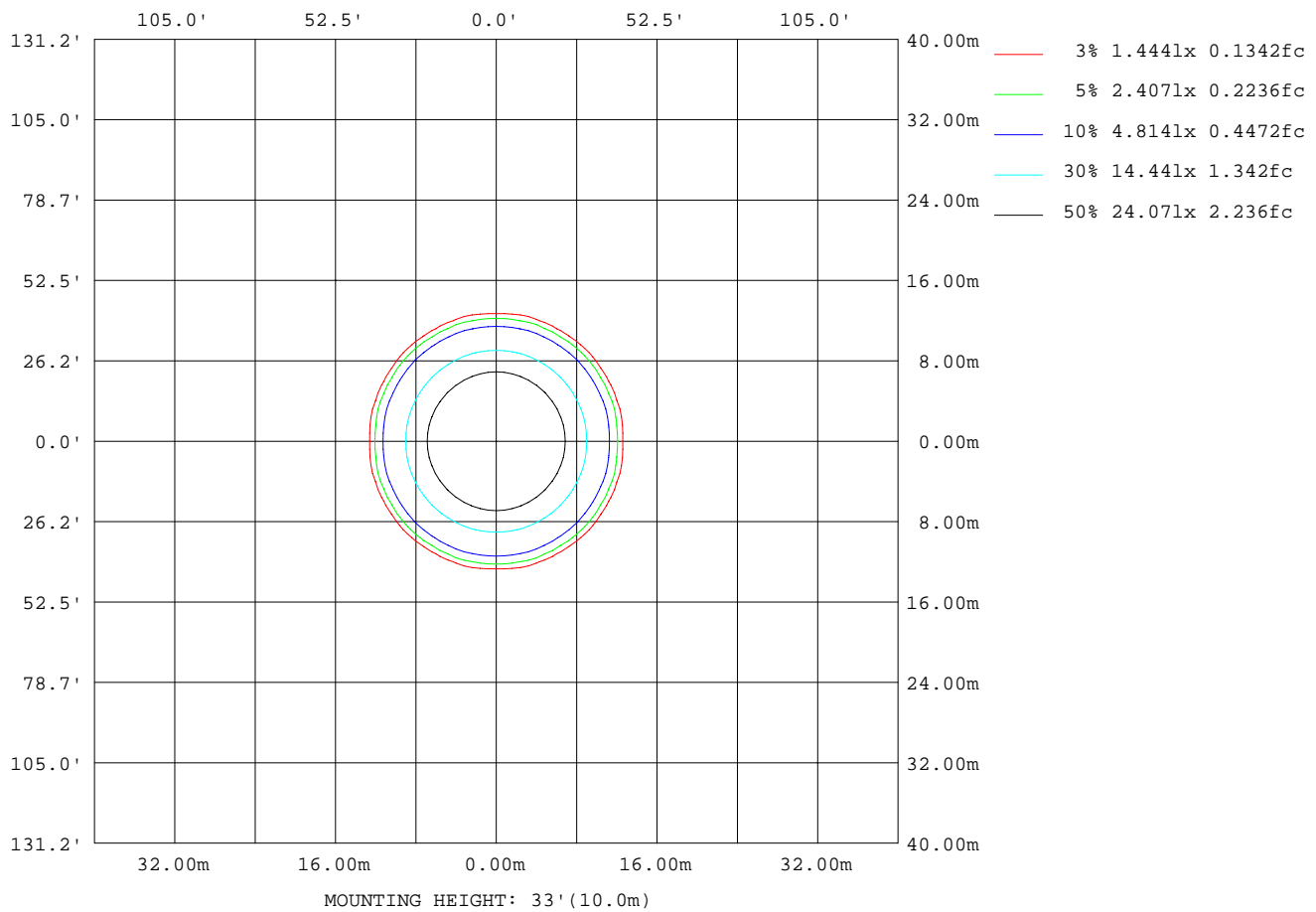
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:220.9V I:0.2896A P:62.31W PF:0.9740 Freq:49.99Hz Lamp Flux:9145.46x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-90D	DIM.: 0.24*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.14M	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:220.9V I:0.2896A P:62.31W PF:0.9740 Freq:49.99Hz Lamp Flux:9145.46x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-90D	DIM.: 0.24*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:Φ0.14M	Shielding Angle:

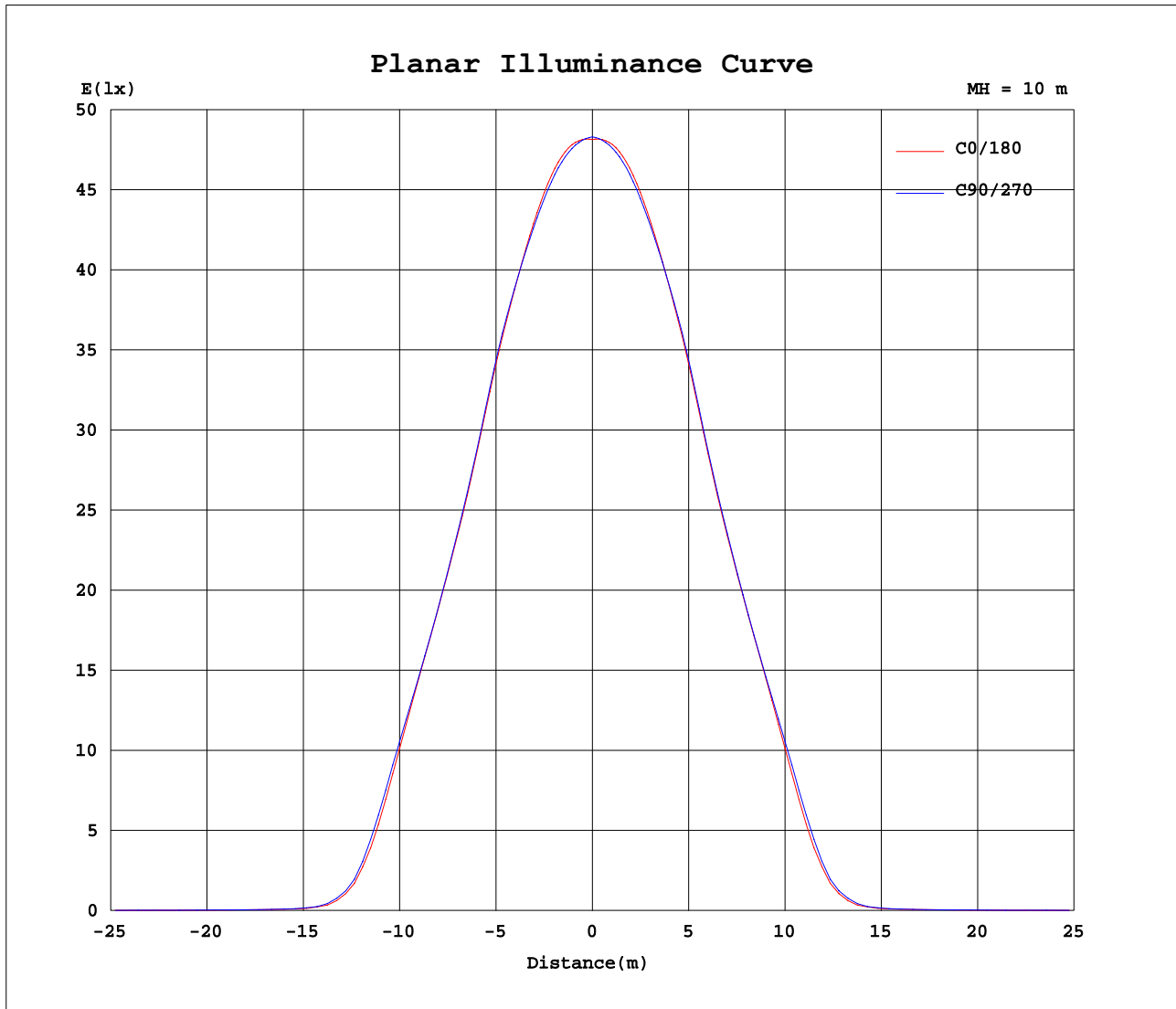
AvgL	cd/m2
L_0~180 (65) av	793
L_0~180 (75) av	702
L_0~180 (85) av	188
L_90~270 (65) av	844
L_90~270 (75) av	722
L_90~270 (85) av	204
L_45 (65) av	835
L_45 (75) av	726
L_45 (85) av	247

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:220.9V I:0.2896A P:62.31W PF:0.9740 Freq:49.99Hz Lamp Flux:9145.46x1 lm																		
NAME: AOK oH									TYPE:LED					WEIGHT:2.9KG				
SPEC.:AOK-60WoH-3030-90D									DIM.: 0.24*0.138M					SERIAL No.:1				
MFR.: AOK									SUR.:Φ0.14M					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	4823	4823	4823	4823	4823	4823	4823	4823	4823	4823	4823	4823	4823	4823	4823	4823	4823	4823	4823
5	4860	4858	4855	4846	4840	4832	4827	4832	4840	4846	4855	4858	4860	4858	4855	4846	4840	4832	4827
10	4903	4900	4895	4884	4873	4860	4849	4860	4873	4884	4895	4900	4903	4900	4895	4884	4873	4860	4849
15	4916	4915	4910	4899	4889	4875	4863	4875	4889	4899	4910	4915	4916	4915	4910	4899	4889	4875	4863
20	4893	4889	4886	4885	4881	4876	4869	4876	4881	4885	4886	4889	4893	4889	4886	4885	4881	4876	4869
25	4823	4817	4818	4823	4830	4836	4838	4836	4830	4823	4818	4817	4823	4817	4818	4823	4830	4836	4838
30	4601	4597	4590	4600	4600	4611	4613	4611	4600	4600	4590	4597	4601	4597	4590	4600	4600	4611	4613
35	4267	4258	4243	4249	4251	4273	4280	4273	4251	4249	4243	4258	4267	4258	4243	4249	4251	4273	4280
40	3818	3817	3794	3802	3795	3820	3816	3820	3795	3802	3794	3817	3818	3817	3794	3802	3795	3820	3816
45	2868	2920	2905	2957	2945	2994	2981	2994	2945	2957	2905	2920	2868	2920	2905	2957	2945	2994	2981
50	1036	1115	1133	1193	1159	1222	1158	1222	1159	1193	1133	1115	1036	1115	1133	1193	1159	1222	1158
55	123	122	126	139	136	143	133	143	136	139	126	122	123	122	126	139	136	143	133
60	46.1	46.5	47.4	49.1	50.1	51.6	51.0	51.6	50.1	49.1	47.4	46.5	46.1	46.5	47.4	49.1	50.1	51.6	51.0
65	33.5	33.7	34.3	35.3	35.7	36.3	35.7	36.3	35.7	35.3	34.3	33.7	33.5	33.7	34.3	35.3	35.7	36.3	35.7
70	25.3	25.8	26.0	26.4	26.7	26.7	26.5	26.7	26.7	26.4	26.0	25.8	25.3	25.8	26.0	26.4	26.7	26.7	26.5
75	18.2	18.6	18.7	18.8	18.7	19.0	18.7	19.0	18.7	18.8	18.7	18.6	18.2	18.6	18.7	18.8	18.7	19.0	18.7
80	9.02	9.22	9.20	9.52	9.09	9.09	8.83	9.09	9.09	9.52	9.20	9.22	9.02	9.22	9.20	9.52	9.09	9.09	8.83
85	1.64	1.94	1.89	2.15	1.97	2.11	1.78	2.11	1.97	2.15	1.89	1.94	1.64	1.94	1.89	2.15	1.97	2.11	1.78
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:220.9V I:0.2896A P:62.31W PF:0.9740 Freq:49.99Hz Lamp Flux:9145.46x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-60WoH-3030-90D	DIM.: 0.24*0.138M	SERIAL No.:1
MFR.: AOK	SUR.:φ0.14M	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	4823	4823	4823	4823	4823														
5	4832	4840	4846	4855	4858														
10	4860	4873	4884	4895	4900														
15	4875	4889	4899	4910	4915														
20	4876	4881	4885	4886	4889														
25	4836	4830	4823	4818	4817														
30	4611	4600	4600	4590	4597														
35	4273	4251	4249	4243	4258														
40	3820	3795	3802	3794	3817														
45	2994	2945	2957	2905	2920														
50	1222	1159	1193	1133	1115														
55	143	136	139	126	122														
60	51.6	50.1	49.1	47.4	46.5														
65	36.3	35.7	35.3	34.3	33.7														
70	26.7	26.7	26.4	26.0	25.8														
75	19.0	18.7	18.8	18.7	18.6														
80	9.09	9.09	9.52	9.20	9.22														
85	2.11	1.97	2.15	1.89	1.94														
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: