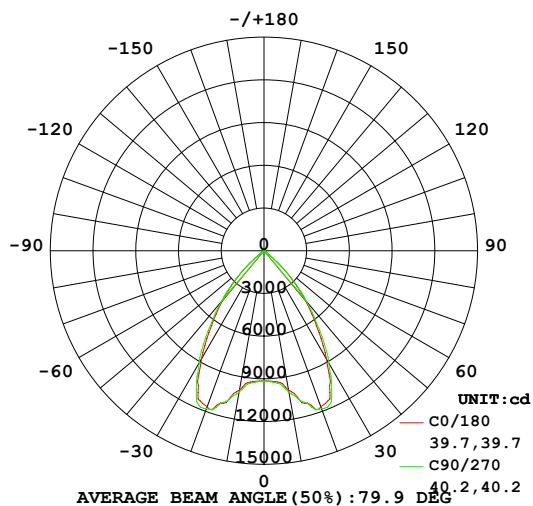


LUMINAIRE PHOTOMETRIC TEST REPORT

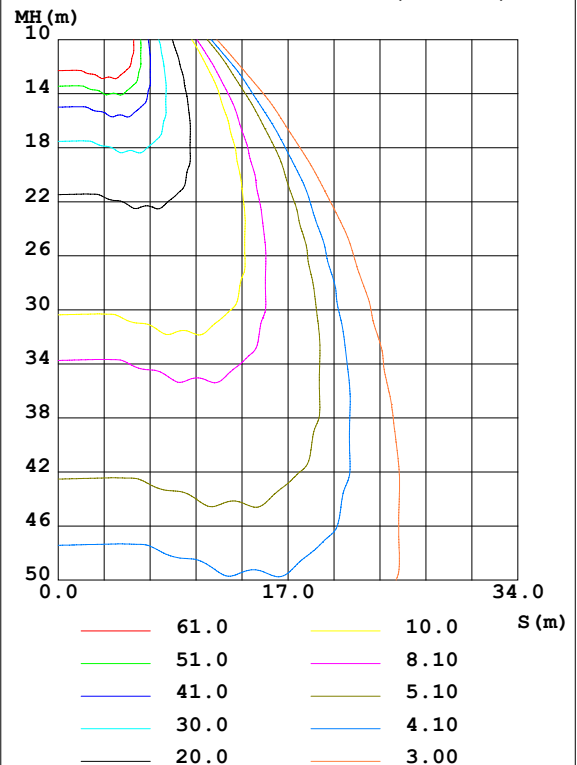
Test:U:220.0V I:0.4735A P:100.1W PF:0.9848 Freq:49.99Hz Lamp Flux:15687.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-5050-90D-PC	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 156.71 lm/W			
MODEL	5050	I _{max} (cd)	11953	S/MH (C0/180)	1.15
NOMINAL POWER (W)	100	LOR (%)	100.0	S/MH (C90/270)	1.16
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	15687	η UP,DN (C0-180)	0.0,50.0
NOMINAL FLUX (lm)	15687.1	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,50.0
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	1.15

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:2018-01-06

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	993.3	1000	1010	1000	993.3	1000	1010	1000	0- 10	905.2	905.2	5.77,5.77
20	1166	1166	1179	1166	1166	1166	1179	1166	10- 20	3150	4055	25.8,25.8
30	876.5	903.7	908.7	903.7	876.5	903.7	908.7	903.7	20- 30	4970	9025	57.5,57.5
40	450.8	452.6	464.5	452.6	450.8	452.6	464.5	452.6	30- 40	4146	13171	84,84
50	96.25	91.36	93.44	91.36	96.25	91.36	93.44	91.36	40- 50	2034	15205	96.9,96.9
60	13.52	13.45	13.68	13.45	13.52	13.45	13.68	13.45	50- 60	274.0	15479	98.7,98.7
70	8.130	8.101	8.153	8.101	8.130	8.101	8.153	8.101	60- 70	104.7	15584	99.3,99.3
80	4.790	4.774	4.777	4.774	4.790	4.774	4.777	4.774	70- 80	66.97	15651	99.8,99.8
90	0	0	0	0	0	0	0	0	80- 90	36.12	15687	100,100
100	0	0	0	0	0	0	0	0	90-100	0	15687	100,100
110	0	0	0	0	0	0	0	0	100-110	0	15687	100,100
120	0	0	0	0	0	0	0	0	110-120	0	15687	100,100
130	0	0	0	0	0	0	0	0	120-130	0	15687	100,100
140	0	0	0	0	0	0	0	0	130-140	0	15687	100,100
150	0	0	0	0	0	0	0	0	140-150	0	15687	100,100
160	0	0	0	0	0	0	0	0	150-160	0	15687	100,100
170	0	0	0	0	0	0	0	0	160-170	0	15687	100,100
180	0	0	0	0	0	0	0	0	170-180	0	15687	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 14495 lm

%lum = 92.4%

%lamp = 92.4%

Conical surface Flux(120deg): 15479 lm

%lum = 98.7%

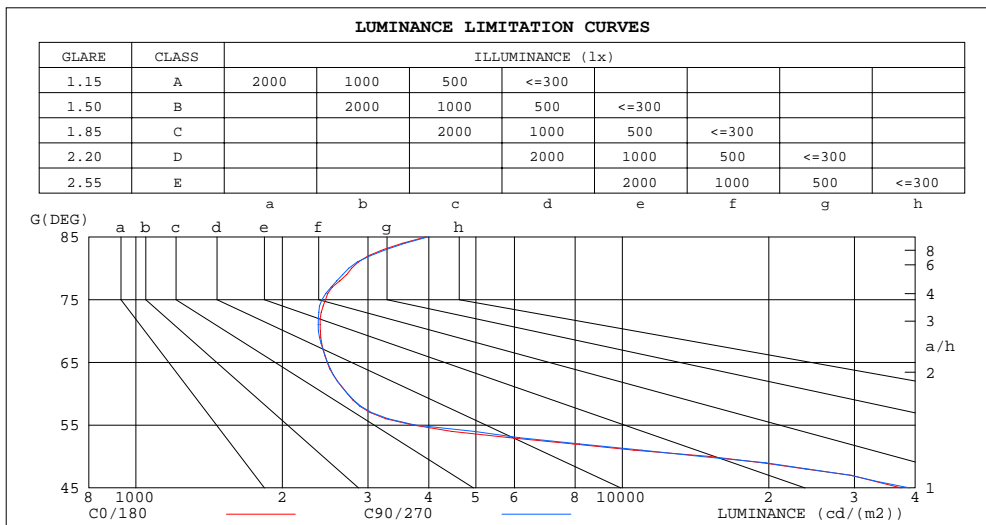
%lamp = 98.7%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ 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:0.4735A P:100.1W PF:0.9848 Freq:49.99Hz Lamp Flux:15687.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-5050-90D-PC	DIM.: $\phi 0.248 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16\text{M}$	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	3952	3992
80	2777	2738
75	2454	2414
70	2393	2373
65	2474	2475
60	2722	2724
55	3714	3749
50	15074	14471
45	37446	38963

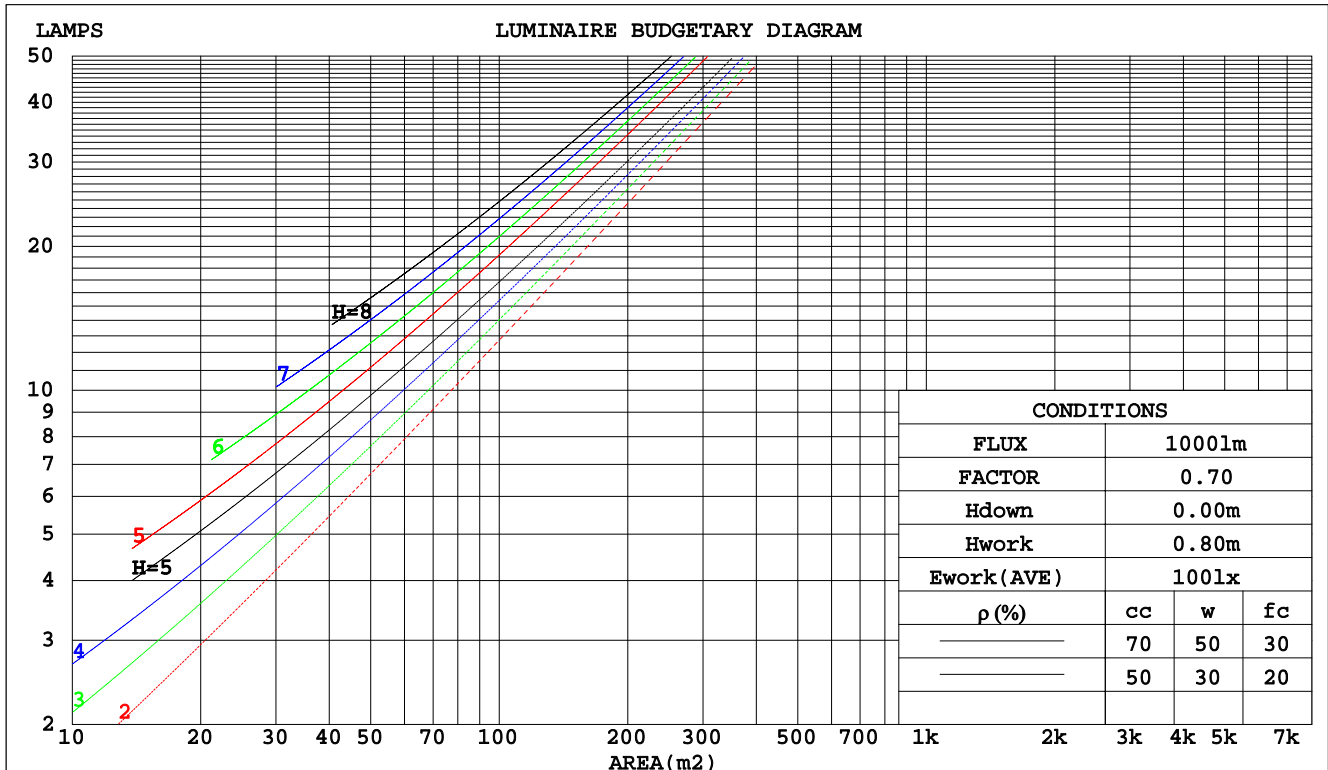
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-06

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:0.4735A P:100.1W PF:0.9848 Freq:49.99Hz Lamp Flux:15687.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-5050-90D-PC	DIM.: $\phi 0.248 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16\text{M}$	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	1.04	1.08	1.05	1.03	1.03	1.01	.00	.00	.98	.97	.96	.95	.94	.92
2.0	1.01	.96	.93	.99	.95	.92	.96	.93	.90	.93	.90	.88	.90	.88	.86	.84
3.0	.93	.87	.83	.92	.86	.82	.89	.85	.81	.86	.83	.80	.84	.81	.78	.77
4.0	.86	.80	.75	.85	.79	.74	.82	.77	.74	.80	.76	.73	.78	.75	.72	.70
5.0	.79	.73	.68	.78	.72	.68	.76	.71	.67	.75	.70	.66	.73	.69	.66	.64
6.0	.74	.67	.62	.73	.66	.62	.71	.66	.61	.70	.65	.61	.68	.64	.60	.59
7.0	.68	.62	.57	.68	.61	.57	.66	.60	.56	.65	.60	.56	.64	.59	.56	.54
8.0	.64	.57	.52	.63	.57	.52	.62	.56	.52	.61	.55	.52	.60	.55	.51	.50
9.0	.59	.53	.48	.59	.52	.48	.58	.52	.48	.57	.52	.48	.56	.51	.48	.46
10.0	.55	.49	.45	.55	.49	.45	.54	.48	.44	.53	.48	.44	.52	.48	.44	.43



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-06

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:0.4735A P:100.1W PF:0.9848 Freq:49.99Hz Lamp Flux:15687.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-5050-90D-PC	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	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	.198	.113	.036	.191	.109	.035	.179	.102	.033	.167	.096	.031	.156	.091	.029	
2.0	.191	.105	.032	.185	.102	.031	.174	.097	.030	.165	.092	.029	.155	.088	.028	
3.0	.183	.097	.029	.178	.095	.029	.168	.091	.028	.160	.088	.027	.152	.084	.026	
4.0	.174	.091	.027	.170	.089	.026	.162	.086	.026	.154	.083	.025	.147	.080	.024	
5.0	.166	.085	.025	.163	.083	.024	.155	.081	.024	.149	.079	.023	.143	.076	.023	
6.0	.159	.080	.023	.155	.079	.023	.149	.076	.022	.143	.074	.022	.138	.072	.022	
7.0	.152	.075	.021	.149	.074	.021	.143	.072	.021	.138	.071	.021	.133	.069	.020	
8.0	.145	.071	.020	.142	.070	.020	.137	.069	.020	.132	.067	.019	.128	.066	.019	
9.0	.139	.067	.019	.136	.066	.019	.132	.065	.018	.127	.064	.018	.123	.063	.018	
10.0	.133	.064	.018	.131	.063	.018	.127	.062	.017	.123	.061	.017	.119	.060	.017	

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	.050	.019	.017	.016	
2.0	.159	.132	.110	.136	.114	.095	.093	.079	.066	.054	.046	.039	.017	.015	.013	
3.0	.148	.114	.087	.127	.098	.075	.087	.068	.053	.050	.040	.031	.016	.013	.010	
4.0	.138	.099	.069	.119	.086	.060	.082	.060	.042	.047	.035	.025	.015	.011	.008	
5.0	.131	.088	.057	.112	.076	.049	.077	.053	.035	.045	.031	.021	.014	.010	.007	
6.0	.124	.079	.047	.106	.068	.041	.073	.048	.029	.043	.028	.017	.014	.009	.006	
7.0	.118	.072	.040	.101	.062	.035	.070	.044	.024	.041	.026	.015	.013	.008	.005	
8.0	.112	.066	.034	.097	.057	.030	.067	.040	.021	.039	.024	.012	.013	.008	.004	
9.0	.107	.061	.029	.092	.053	.026	.064	.037	.018	.037	.022	.011	.012	.007	.004	
10.0	.103	.056	.026	.088	.049	.022	.061	.035	.016	.036	.020	.010	.012	.007	.003	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-06

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:0.4735A P:100.1W PF:0.9848 Freq:49.99Hz Lamp Flux:15687.1x1 lm										
NAME: AOK-oH					TYPE:LED			WEIGHT:2.9KG		
SPEC.:AOK-100WoH-5050-90D-PC					DIM.: ϕ 0.248*0.138M			SERIAL No.:1		
MFR.: AOK					SUR.: ϕ 0.16M			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	11.4	12.5	11.6	12.7	12.8	11.4	12.5	11.7	12.7	12.9
3H	11.3	12.2	11.5	12.5	12.7	11.3	12.3	11.6	12.5	12.7
4H	11.2	12.1	11.5	12.3	12.6	11.2	12.1	11.5	12.4	12.6
6H	11.1	12.0	11.4	12.2	12.5	11.1	12.0	11.5	12.3	12.5
8H	11.1	11.9	11.4	12.2	12.5	11.1	12.0	11.4	12.2	12.5
12H	11.1	11.9	11.4	12.1	12.4	11.1	11.9	11.4	12.2	12.4
4H 2H	11.1	12.1	11.4	12.3	12.5	11.2	12.1	11.5	12.3	12.6
3H	11.0	11.8	11.3	12.1	12.4	11.0	11.8	11.4	12.1	12.4
4H	11.0	11.7	11.3	12.0	12.3	11.0	11.7	11.3	12.0	12.3
6H	10.9	11.5	11.3	11.9	12.2	10.9	11.6	11.3	11.9	12.3
8H	10.9	11.5	11.3	11.8	12.2	10.9	11.5	11.3	11.9	12.2
12H	10.9	11.4	11.3	11.8	12.2	10.9	11.4	11.3	11.8	12.2
8H 4H	10.8	11.4	11.2	11.8	12.1	10.9	11.4	11.3	11.8	12.2
6H	10.8	11.3	11.2	11.7	12.1	10.8	11.3	11.3	11.7	12.1
8H	10.8	11.2	11.3	11.6	12.1	10.8	11.3	11.3	11.7	12.1
12H	10.8	11.2	11.3	11.6	12.1	10.8	11.2	11.3	11.6	12.1
12H 4H	10.8	11.3	11.2	11.7	12.1	10.8	11.4	11.2	11.7	12.1
6H	10.8	11.2	11.2	11.6	12.1	10.8	11.2	11.2	11.6	12.1
8H	10.8	11.1	11.2	11.6	12.0	10.8	11.2	11.3	11.6	12.1
Variations with the observer position at spacings:										
S = 1.0H	+ 2.4 / - 8.6					+ 2.4 / - 8.8				
1.5H	+ 3.7 / - 9.1					+ 3.8 / - 9.2				
2.0H	+ 6.7 / - 5.8					+ 6.9 / - 5.8				

CIE Pub.117, 15687 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 9.6$)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-06

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:0.4735A P:100.1W PF:0.9848 Freq:49.99Hz Lamp Flux:15687.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-5050-90D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:

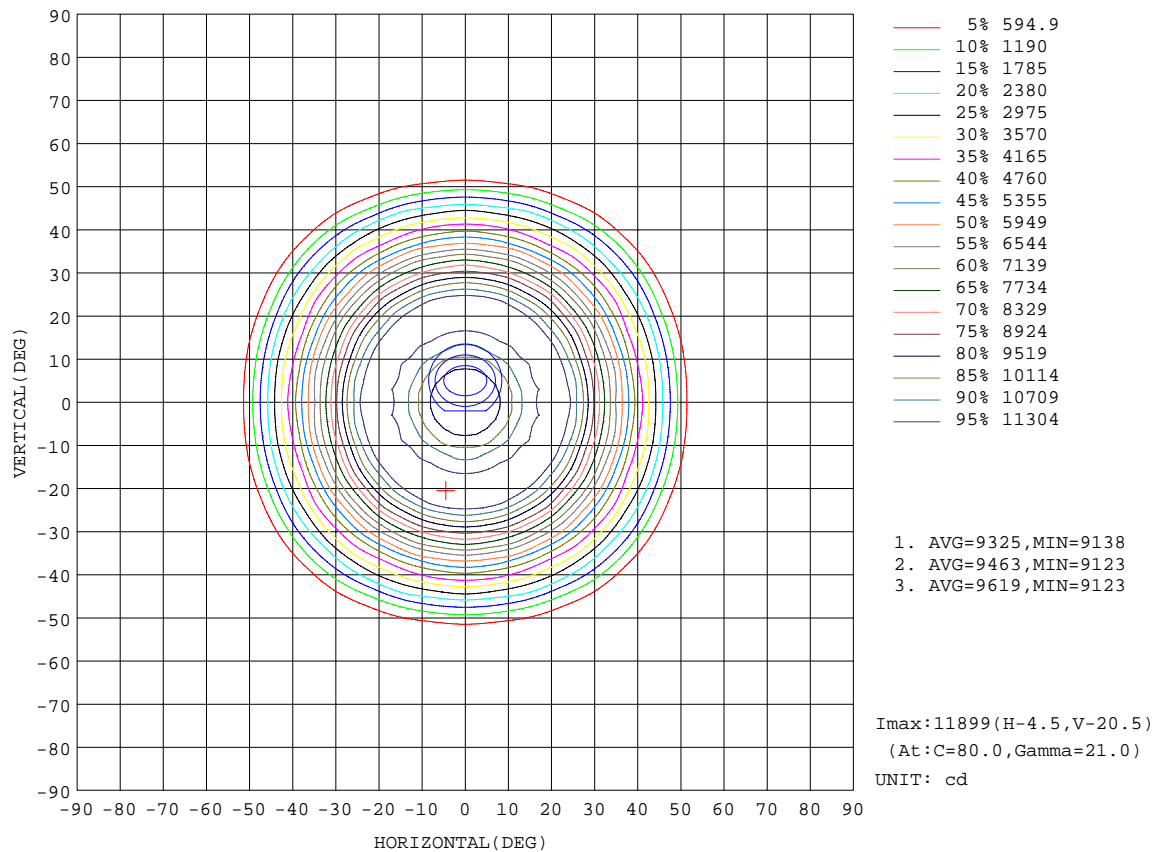
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	81	74	70	81	74	70	80	73	69	65
0.80	90	83	79	89	83	78	88	82	78	74
1.00	96	89	85	95	89	85	93	89	84	80
1.25	100	94	90	99	94	90	97	93	89	85
1.50	103	98	94	102	97	94	100	96	93	88
2.00	107	102	99	105	101	98	103	99	96	91
2.50	109	104	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	111	109	112	110	108	108	106	104	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-06

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:0.4735A P:100.1W PF:0.9848 Freq:49.99Hz Lamp Flux:15687.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-5050-90D-PC	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

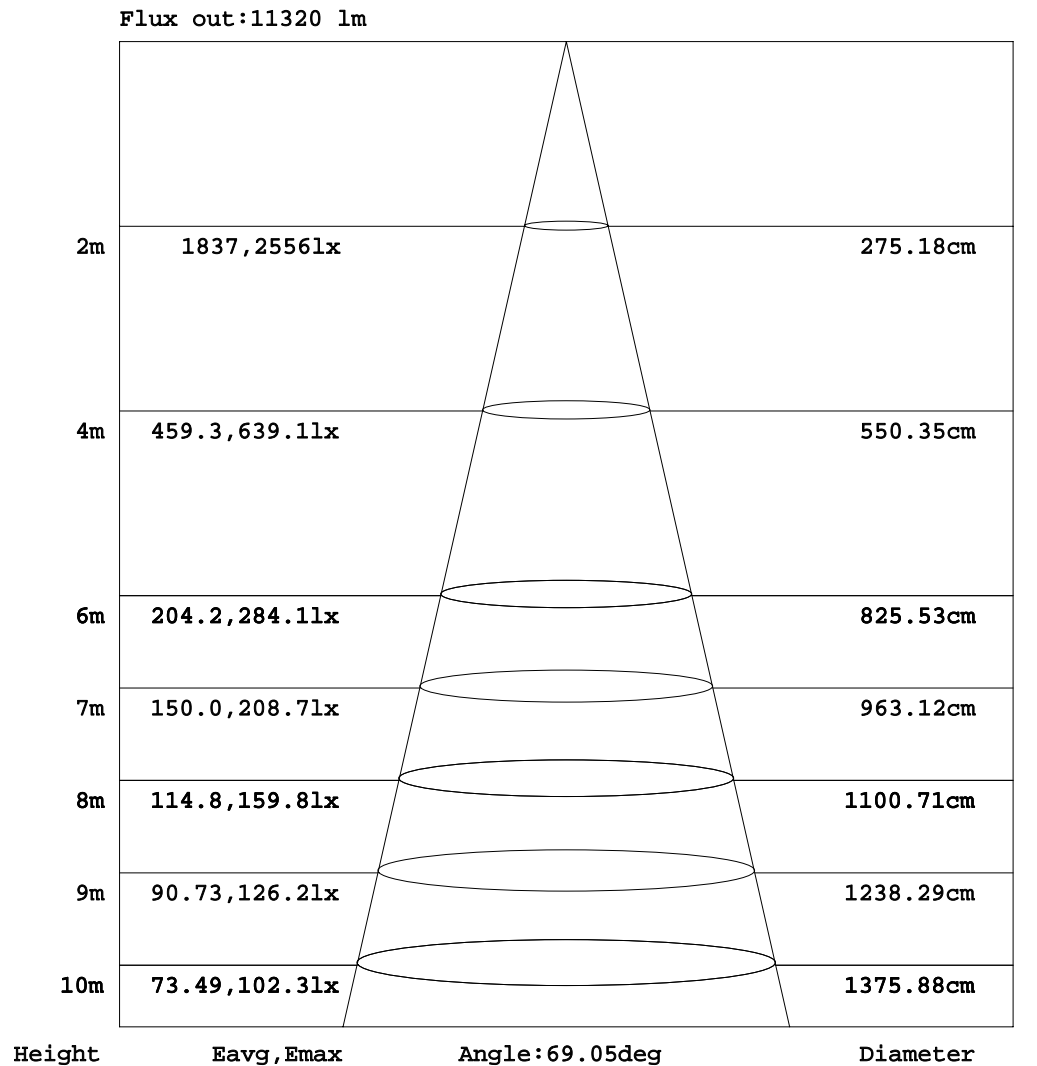


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-06

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:0.4735A P:100.1W PF:0.9848 Freq:49.99Hz Lamp Flux:15687.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-5050-90D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:



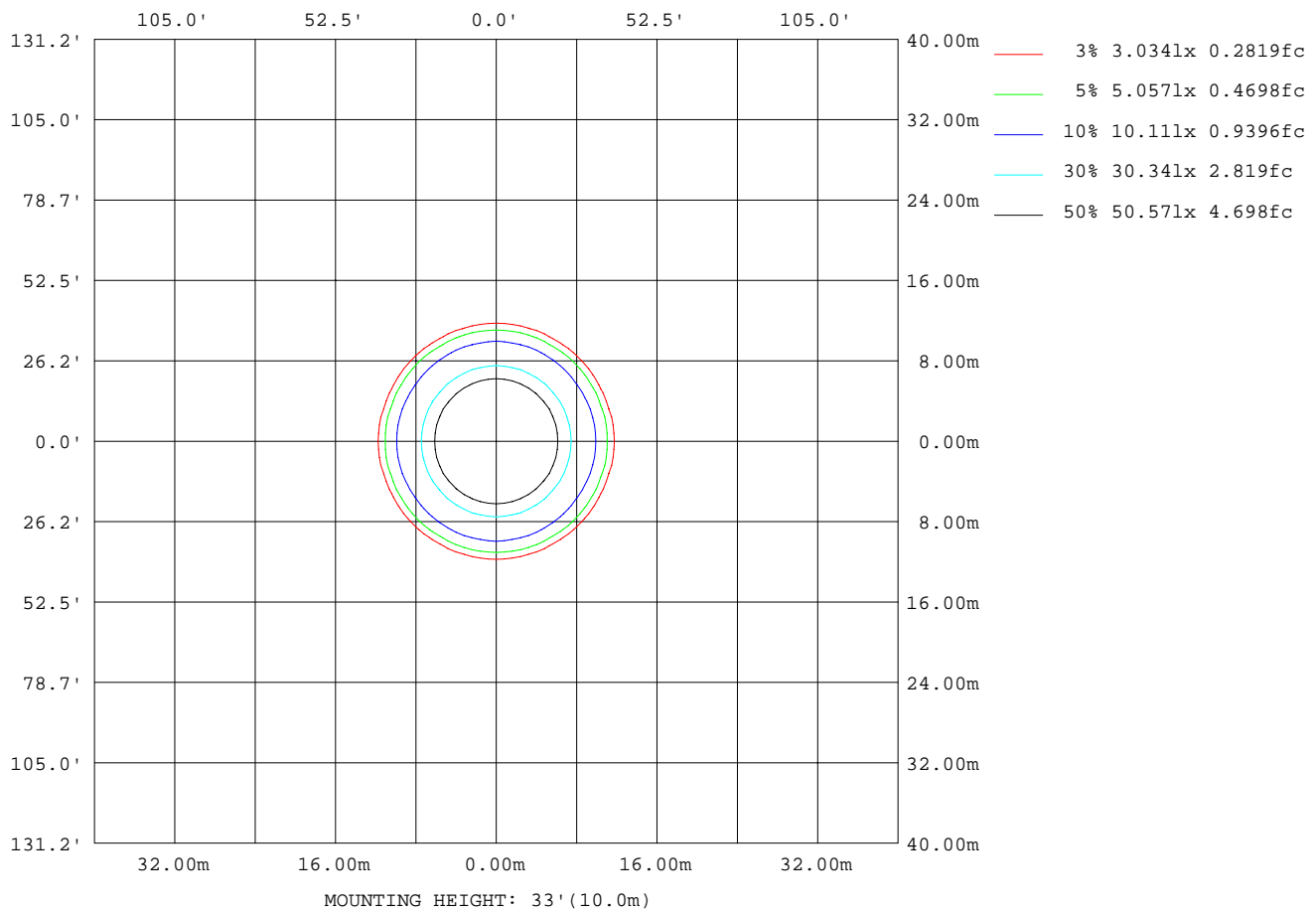
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-01-06

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:0.4735A P:100.1W PF:0.9848 Freq:49.99Hz Lamp Flux:15687.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100Woh-5050-90D-PC	DIM.: Φ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: Φ 0.16M	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-06

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:0.4735A P:100.1W PF:0.9848 Freq:49.99Hz Lamp Flux:15687.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-5050-90D-PC	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	Shielding Angle:

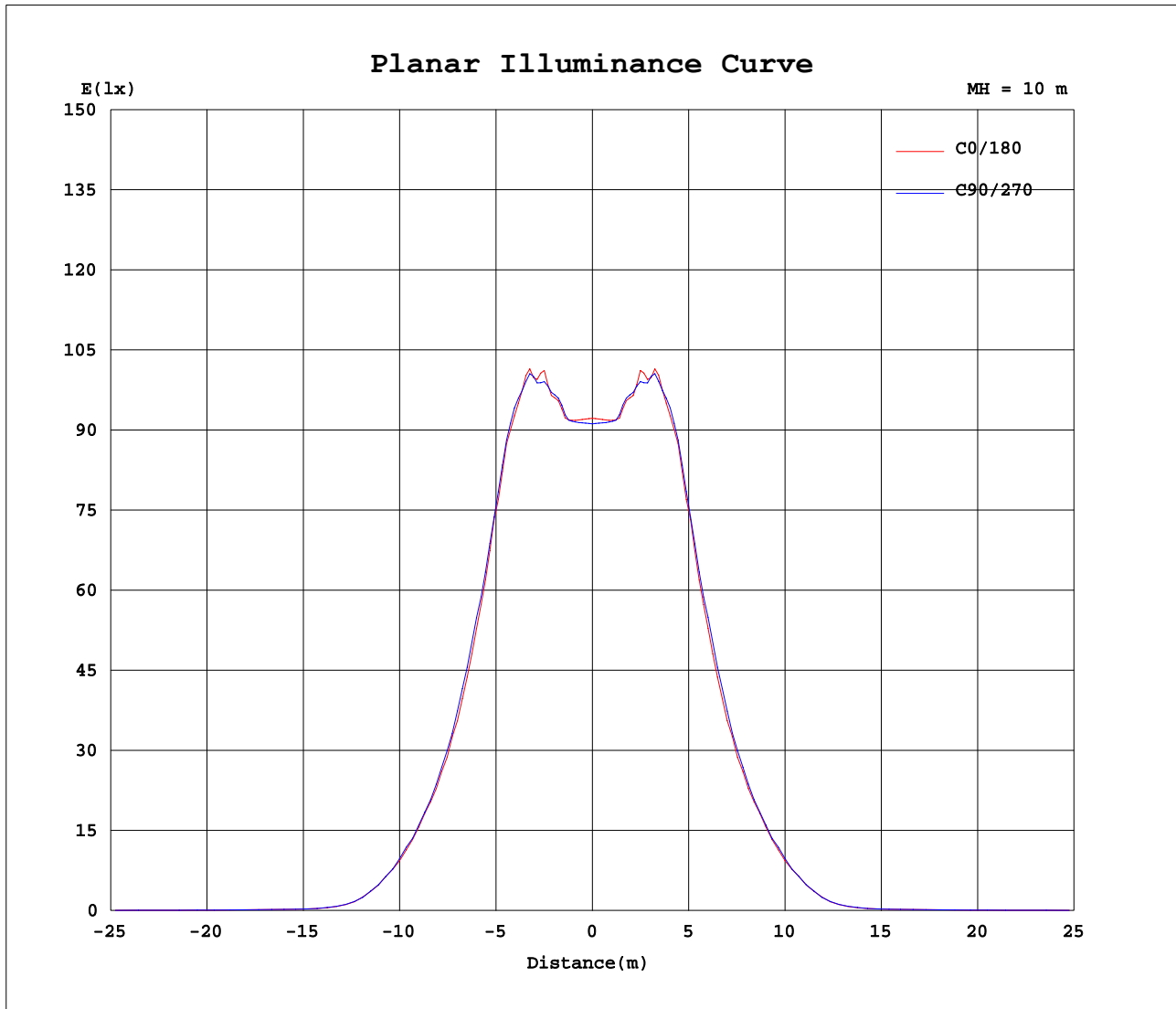
AvgL	cd/m2
L_0~180 (65) av	2458
L_0~180 (75) av	2438
L_0~180 (85) av	3925
L_90~270 (65) av	2486
L_90~270 (75) av	2425
L_90~270 (85) av	4010
L_45 (65) av	2459
L_45 (75) av	2412
L_45 (85) av	3855

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-06

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: 2018-01-06

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:0.4735A P:100.1W PF:0.9848 Freq:49.99Hz Lamp Flux:15687.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-5050-90D-PC	DIM.: ϕ 0.248*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.16M	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	916	916	916	916	916	916	916	916	916	916	916	916	916	916	916	916	916	916	916
5	923	923	924	924	926	926	928	928	930	930	930	928	928	926	926	924	924	923	923
10	993	996	1002	1000	1000	1000	999	1000	1006	1010	1006	1000	999	1000	1000	1000	1002	996	993
15	1110	1113	1111	1101	1108	1103	1122	1107	1106	1102	1106	1107	1122	1103	1108	1101	1111	1113	1110
20	1166	1153	1167	1157	1158	1174	1184	1188	1179	1179	1179	1188	1184	1174	1158	1157	1167	1153	1166
25	1097	1100	1095	1107	1098	1109	1109	1129	1129	1126	1129	1129	1109	1109	1098	1107	1095	1100	1097
30	877	883	883	900	896	911	907	912	907	909	907	912	907	911	896	900	883	883	877
35	642	671	655	660	664	672	665	672	674	683	674	672	665	672	664	660	655	671	642
40	451	446	435	451	447	458	448	447	460	464	460	447	448	458	447	451	435	446	451
45	263	270	263	258	255	263	266	274	274	277	274	274	266	263	255	258	263	270	263
50	96.2	89.2	85.2	87.9	91.9	90.9	88.4	94.4	95.2	93.4	95.2	94.4	88.4	90.9	91.9	87.9	85.2	89.2	96.2
55	21.2	21.5	20.6	20.5	20.0	20.8	21.4	21.8	21.2	21.6	21.2	21.8	21.4	20.8	20.0	20.5	20.6	21.5	21.2
60	13.5	13.5	13.6	13.4	13.4	13.5	13.7	13.8	13.7	13.7	13.7	13.8	13.7	13.5	13.4	13.4	13.6	13.5	13.5
65	10.4	10.4	10.4	10.4	10.3	10.5	10.4	10.6	10.5	10.5	10.5	10.6	10.4	10.5	10.3	10.4	10.4	10.4	10.4
70	8.13	8.12	8.13	8.09	8.05	8.15	8.12	8.26	8.17	8.15	8.17	8.26	8.12	8.15	8.05	8.09	8.13	8.12	8.13
75	6.31	6.31	6.28	6.22	6.19	6.29	6.25	6.35	6.28	6.28	6.28	6.35	6.25	6.29	6.19	6.22	6.28	6.31	6.31
80	4.79	4.78	4.78	4.79	4.74	4.81	4.76	4.81	4.77	4.78	4.77	4.81	4.76	4.81	4.74	4.79	4.78	4.78	4.79
85	3.42	3.44	3.39	3.39	3.34	3.39	3.37	3.44	3.43	3.49	3.43	3.44	3.37	3.39	3.34	3.39	3.39	3.44	3.42
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:2018-01-06

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:0.4735A P:100.1W PF:0.9848 Freq:49.99Hz Lamp Flux:15687.1x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:2.9KG
SPEC.:AOK-100WoH-5050-90D-PC	DIM.: $\phi 0.248 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.16M$	Shielding Angle:

Table--2

UNIT: $\times 10cd$

C (DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	916	916	916	916	916	916	916	916	916	916	916	916	916	916	916	916	916		
5	923	924	924	926	926	928	928	930	930	930	928	928	926	926	924	924	923		
10	996	1002	1000	1000	1000	999	1000	1006	1010	1006	1000	999	1000	1000	1000	1002	996		
15	1113	1111	1101	1108	1103	1122	1107	1106	1102	1106	1107	1122	1103	1108	1101	1111	1113		
20	1153	1167	1157	1158	1174	1184	1188	1179	1179	1179	1188	1184	1174	1158	1157	1167	1153		
25	1100	1095	1107	1098	1109	1109	1129	1129	1126	1129	1129	1109	1109	1098	1107	1095	1100		
30	883	883	900	896	911	907	912	907	909	907	912	907	911	896	900	883	883		
35	671	655	660	664	672	665	672	674	683	674	672	665	672	664	660	655	671		
40	446	435	451	447	458	448	447	460	464	460	447	448	458	447	451	435	446		
45	270	263	258	255	263	266	274	274	277	274	274	266	263	255	258	263	270		
50	89.2	85.2	87.9	91.9	90.9	88.4	94.4	95.2	93.4	95.2	94.4	88.4	90.9	91.9	87.9	85.2	89.2		
55	21.5	20.6	20.5	20.0	20.8	21.4	21.8	21.2	21.6	21.2	21.8	21.4	20.8	20.0	20.5	20.6	21.5		
60	13.5	13.6	13.4	13.4	13.5	13.7	13.8	13.7	13.7	13.7	13.8	13.7	13.5	13.4	13.4	13.6	13.5		
65	10.4	10.4	10.4	10.3	10.5	10.4	10.6	10.5	10.5	10.5	10.6	10.4	10.5	10.3	10.4	10.4	10.4		
70	8.12	8.13	8.09	8.05	8.15	8.12	8.26	8.17	8.15	8.17	8.26	8.12	8.15	8.05	8.09	8.13	8.12		
75	6.31	6.28	6.22	6.19	6.29	6.25	6.35	6.28	6.28	6.28	6.35	6.25	6.29	6.19	6.22	6.28	6.31		
80	4.78	4.78	4.79	4.74	4.81	4.76	4.81	4.77	4.78	4.77	4.81	4.76	4.81	4.74	4.79	4.78	4.78		
85	3.44	3.39	3.39	3.34	3.39	3.37	3.44	3.43	3.49	3.43	3.44	3.37	3.39	3.34	3.39	3.39	3.44		
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:2018-01-06

γ Range: 0 - 180DEG
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Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks: