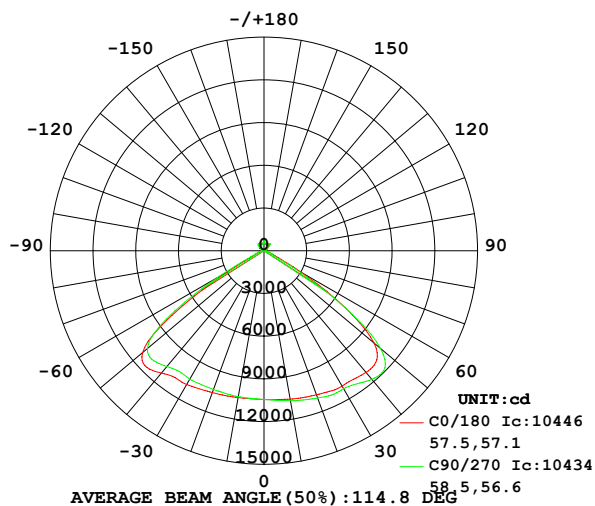


LUMINAIRE PHOTOMETRIC TEST REPORT

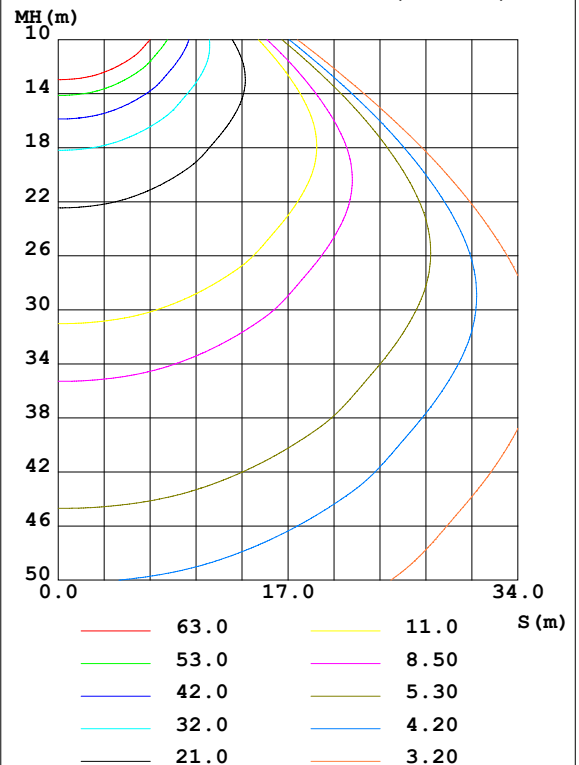
Test:U:220.0V I:1.128A P:240.0W PF:0.9777 Freq:49.80Hz Lamp Flux:34015.6x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240Woh-3030-120D	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 141.73 lm/W			
MODEL	3030	I _{max} (cd)	11964	S/MH (C0/180)	1.62
NOMINAL POWER (W)	240	LOR (%)	100.0	S/MH (C90/270)	1.53
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	34016	η UP, DN (C0-180)	2.2, 47.7
NOMINAL FLUX (lm)	34015.6	CIE CLASS	DIRECT	η UP, DN (C180-360)	2.1, 48.0
LAMPS INSIDE	1	η up (%)	4.3	CIBSE SHR NOM	1.75
TEST VOLTAGE (V)	220	η down (%)	95.7	CIBSE SHR MAX	1.75

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: 2018-03-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_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	1058	1065	1069	1064	1047	1040	1041	1046	0- 10	1001	1001	2.94,2.94
20	1077	1090	1101	1095	1060	1039	1037	1052	10- 20	3010	4012	11.8,11.8
30	1098	1107	1119	1132	1085	1048	1042	1063	20- 30	4994	9006	26.5,26.5
40	1115	1144	1178	1171	1121	1073	1061	1077	30- 40	6890	15896	46.7,46.7
50	1009	1022	1069	1096	1112	1087	1068	1038	40- 50	8666	24561	72.2,72.2
60	298.4	257.7	231.3	225.5	296.0	362.1	381.4	346.8	50- 60	6439	31000	91.1,91.1
70	49.73	46.01	45.81	48.31	52.94	56.41	56.32	54.70	60- 70	1121	32121	94.4,94.4
80	16.51	14.53	14.97	15.35	19.55	23.10	23.27	20.39	70- 80	365.7	32487	95.5,95.5
90	0.7535	0.3955	0.9749	0.5179	0.9585	0.3674	0.7986	0.4321	80- 90	59.27	32546	95.7,95.7
100	2.901	1.853	3.576	2.674	3.453	1.841	2.925	1.887	90-100	14.60	32561	95.7,95.7
110	8.875	5.145	9.685	6.574	9.395	5.207	11.24	5.387	100-110	48.01	32609	95.9,95.9
120	23.05	9.312	17.87	11.14	23.63	8.803	12.95	9.072	110-120	92.39	32701	96.1,96.1
130	40.98	23.63	43.07	29.42	40.13	27.63	41.44	22.64	120-130	205.6	32907	96.7,96.7
140	62.92	49.19	65.28	39.56	58.43	42.70	63.84	47.67	130-140	340.9	33248	97.7,97.7
150	47.06	47.09	49.90	54.82	58.84	53.04	54.99	48.51	140-150	345.2	33593	98.8,98.8
160	50.24	50.07	51.40	51.34	51.67	51.67	51.85	50.52	150-160	234.3	33827	99.4,99.4
170	52.40	36.09	53.26	37.88	53.77	45.47	54.02	39.79	160-170	137.9	33965	99.9,99.9
180	68.88	52.59	68.76	53.29	69.16	52.60	68.69	53.29	170-180	50.49	34016	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 20073 lm

%lum = 59.0%

%lamp = 59.0%

Conical surface Flux(120deg): 31000 lm

%lum = 91.1%

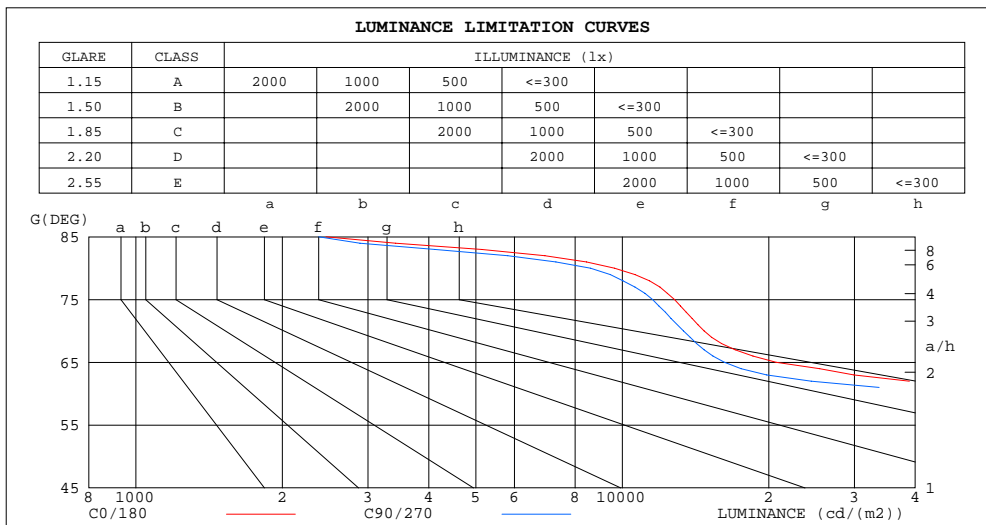
%lamp = 91.1%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-03-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.633m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.0V I:1.128A P:240.0W PF:0.9777 Freq:49.80Hz Lamp Flux:34015.6x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240W oH-3030-120D	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:



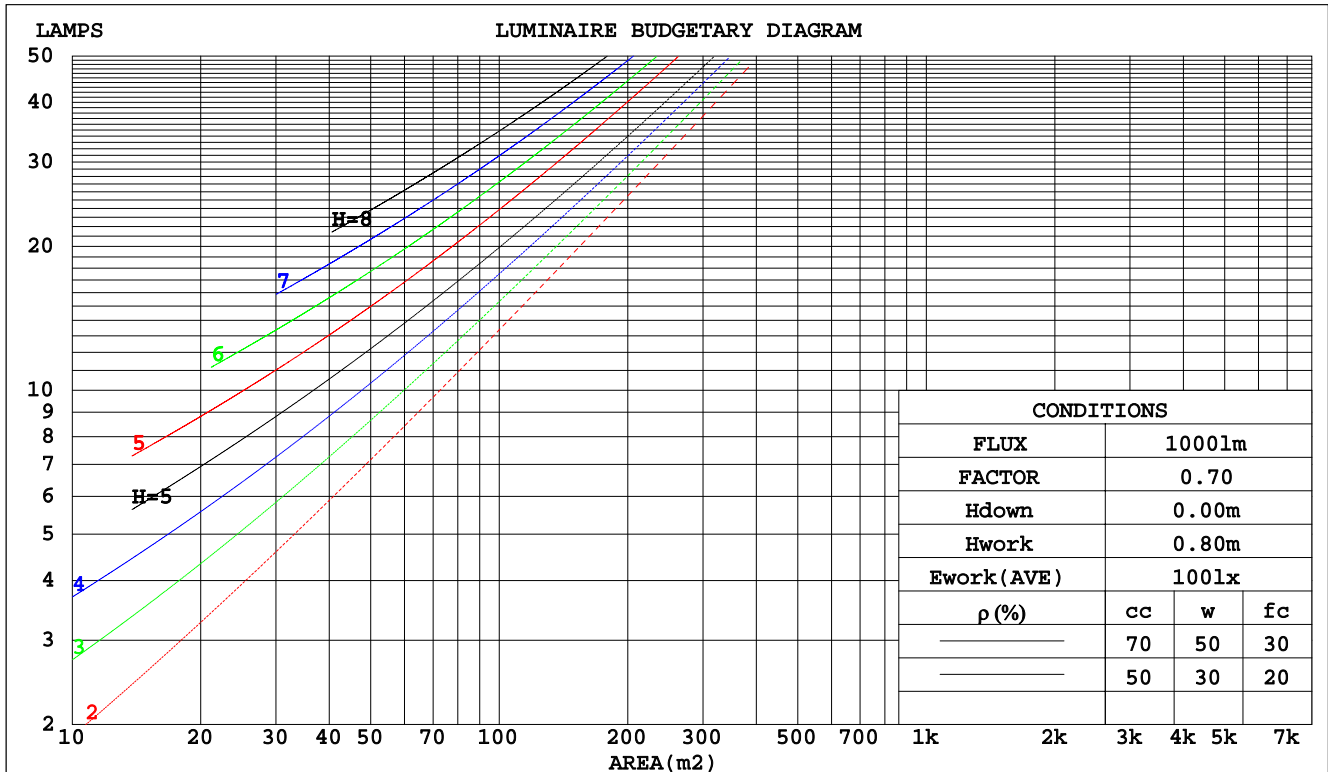
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-03-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System: EVERFINE GO-2000A_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:1.128A P:240.0W PF:0.9777 Freq:49.80Hz Lamp Flux:34015.6x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240W oH-3030-120D	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.29M$	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						Coefficients of Utilization(CU)									
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.09	1.09	1.09	1.03	1.03	1.03	.98	.98	.98	.96
1.0	1.06	1.02	.99	1.03	1.00	.97	.98	.96	.94	.94	.92	.90	.90	.88	.87	.84
2.0	.94	.88	.83	.92	.87	.82	.88	.83	.80	.84	.80	.77	.80	.78	.75	.73
3.0	.84	.76	.71	.82	.75	.70	.78	.73	.68	.75	.70	.66	.72	.68	.65	.63
4.0	.74	.66	.60	.73	.65	.60	.70	.64	.59	.67	.62	.57	.65	.60	.56	.54
5.0	.67	.58	.52	.65	.57	.52	.63	.56	.51	.60	.54	.50	.58	.53	.49	.47
6.0	.60	.51	.45	.59	.51	.45	.56	.49	.44	.54	.48	.44	.52	.47	.43	.41
7.0	.54	.46	.40	.53	.45	.39	.51	.44	.39	.49	.43	.38	.48	.42	.38	.36
8.0	.49	.41	.35	.48	.40	.35	.46	.39	.34	.45	.39	.34	.43	.38	.34	.32
9.0	.45	.37	.31	.44	.36	.31	.42	.36	.31	.41	.35	.30	.40	.34	.30	.28
10.0	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.37	.31	.27	.25



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-03-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 7.633m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:220.0V I:1.128A P:240.0W PF:0.9777 Freq:49.80Hz Lamp Flux:34015.6x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240WoH-3030-120D	DIM.: ϕ 0.4*0.141M	SERIAL No.:
MFR.: AOK	SUR.: ϕ 0.29M	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	.250	.142	.045	.242	.138	.044	.226	.130	.041	.212	.122	.039	.199	.115	.037		
2.0	.246	.135	.041	.239	.132	.041	.225	.125	.039	.213	.119	.037	.201	.114	.036		
3.0	.236	.126	.038	.230	.123	.037	.218	.118	.036	.206	.113	.035	.196	.109	.034		
4.0	.224	.116	.034	.218	.114	.034	.208	.110	.033	.198	.106	.032	.188	.102	.031		
5.0	.212	.108	.031	.207	.106	.031	.197	.103	.030	.188	.099	.029	.179	.096	.029		
6.0	.200	.100	.029	.195	.099	.028	.186	.095	.028	.178	.093	.027	.171	.090	.027		
7.0	.188	.093	.026	.184	.092	.026	.176	.089	.026	.169	.087	.025	.162	.084	.025		
8.0	.178	.087	.024	.174	.086	.024	.167	.083	.024	.160	.081	.023	.154	.079	.023		
9.0	.168	.081	.023	.164	.080	.022	.158	.078	.022	.152	.076	.022	.146	.074	.021		
10.0	.159	.076	.021	.156	.075	.021	.150	.073	.021	.144	.072	.020	.139	.070	.020		

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	.223	.223	.223	.191	.191	.191	.130	.130	.130	.075	.075	.075	.024	.024	.024	
1.0	.209	.190	.172	.179	.163	.148	.123	.112	.103	.071	.065	.060	.023	.021	.019	
2.0	.200	.166	.137	.171	.142	.118	.117	.099	.083	.068	.057	.048	.022	.019	.016	
3.0	.192	.148	.113	.164	.127	.098	.113	.088	.069	.065	.052	.040	.021	.017	.013	
4.0	.184	.134	.096	.158	.116	.083	.109	.081	.059	.063	.047	.035	.020	.015	.011	
5.0	.178	.124	.084	.153	.107	.073	.105	.075	.051	.061	.044	.031	.020	.014	.010	
6.0	.171	.115	.075	.147	.100	.065	.102	.070	.046	.059	.041	.028	.019	.013	.009	
7.0	.165	.109	.069	.142	.094	.060	.098	.066	.042	.057	.039	.025	.018	.013	.008	
8.0	.160	.103	.064	.138	.089	.056	.095	.063	.039	.055	.037	.024	.018	.012	.008	
9.0	.154	.098	.060	.133	.085	.052	.092	.060	.037	.054	.035	.022	.017	.012	.007	
10.0	.149	.094	.057	.129	.082	.050	.089	.057	.035	.052	.034	.021	.017	.011	.007	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-03-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_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:1.128A P:240.0W PF:0.9777 Freq:49.80Hz Lamp Flux:34015.6x1 lm												
NAME: AOK oH					TYPE:LED			WEIGHT:6.0KG				
SPEC.:AOK-240WoH-3030-120D					DIM.: ϕ 0.4*0.141M			SERIAL No.:				
MFR.: AOK					SUR.: ϕ 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	16.8	18.2	17.2	18.5	18.7	16.8	18.1	17.1	18.4	18.7		
	3H	16.7	17.9	17.0	18.2	18.5	16.6	17.8	16.9	18.1	18.4	
	4H	16.6	17.7	17.0	18.1	18.4	16.5	17.7	16.9	18.0	18.3	
	6H	16.5	17.6	16.9	17.9	18.3	16.4	17.5	16.8	17.8	18.2	
	8H	16.4	17.5	16.8	17.8	18.2	16.4	17.4	16.8	17.7	18.1	
	12H	16.4	17.4	16.8	17.7	18.1	16.3	17.3	16.7	17.7	18.0	
	4H	2H	16.7	17.9	17.1	18.2	18.5	16.6	17.8	17.0	18.1	18.5
		3H	16.6	17.6	17.0	17.9	18.3	16.5	17.5	16.9	17.9	18.2
		4H	16.5	17.4	16.9	17.8	18.2	16.4	17.3	16.9	17.7	18.1
		6H	16.4	17.2	16.9	17.6	18.1	16.3	17.1	16.8	17.5	18.0
		8H	16.4	17.1	16.9	17.5	18.0	16.3	17.0	16.8	17.5	17.9
		12H	16.3	17.0	16.8	17.4	17.9	16.3	16.9	16.7	17.4	17.9
	8H	4H	16.4	17.1	16.8	17.5	18.0	16.3	17.0	16.8	17.4	17.9
		6H	16.3	16.9	16.8	17.4	17.9	16.2	16.8	16.7	17.3	17.8
		8H	16.3	16.8	16.8	17.3	17.8	16.2	16.7	16.7	17.2	17.7
		12H	16.2	16.7	16.8	17.2	17.7	16.1	16.6	16.7	17.1	17.7
	12H	4H	16.3	17.0	16.8	17.4	17.9	16.2	16.9	16.7	17.4	17.8
		6H	16.3	16.8	16.8	17.3	17.8	16.2	16.7	16.7	17.2	17.7
		8H	16.2	16.7	16.8	17.2	17.7	16.1	16.6	16.7	17.1	17.7
Variations with the observer position at spacings:												
S = 1.0H	+ 0.7 / - 1.0					+ 0.9 / - 1.2						
1.5H	+ 1.0 / - 2.5					+ 0.9 / - 2.4						
2.0H	+ 2.7 / - 8.3					+ 2.9 / - 9.3						

CIE Pub.117, 34016 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 12.3$)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-03-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.0V I:1.128A P:240.0W PF:0.9777 Freq:49.80Hz Lamp Flux:34015.6x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240WoH-3030-120D	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

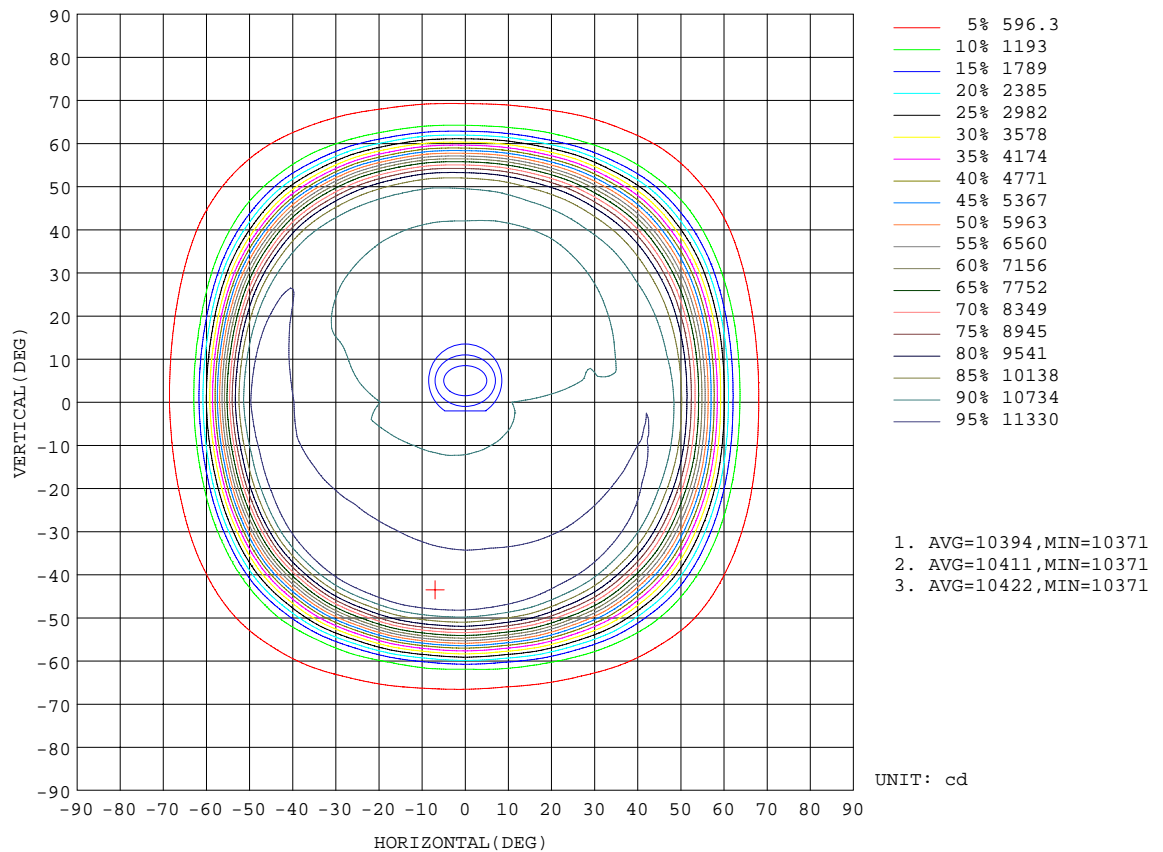
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	45	38	56	45	38	54	44	38	31
0.80	69	57	50	67	57	50	65	56	50	43
1.00	79	69	62	77	68	62	75	69	61	54
1.25	86	77	71	85	76	70	82	74	69	62
1.50	91	83	77	90	82	76	86	80	75	67
2.00	98	91	85	96	89	84	92	87	82	75
2.50	101	95	90	99	93	88	95	90	86	77
3.00	104	98	94	102	96	92	97	93	90	81
4.00	107	102	98	105	100	97	100	96	93	84
5.00	109	105	101	106	102	99	101	98	95	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-03-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.0V I:1.128A P:240.0W PF:0.9777 Freq:49.80Hz Lamp Flux:34015.6x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240WoH-3030-120D	DIM.: ϕ 0.4*0.141M	SERIAL No.:
MFR.: AOK	SUR.: ϕ 0.29M	Shielding Angle:



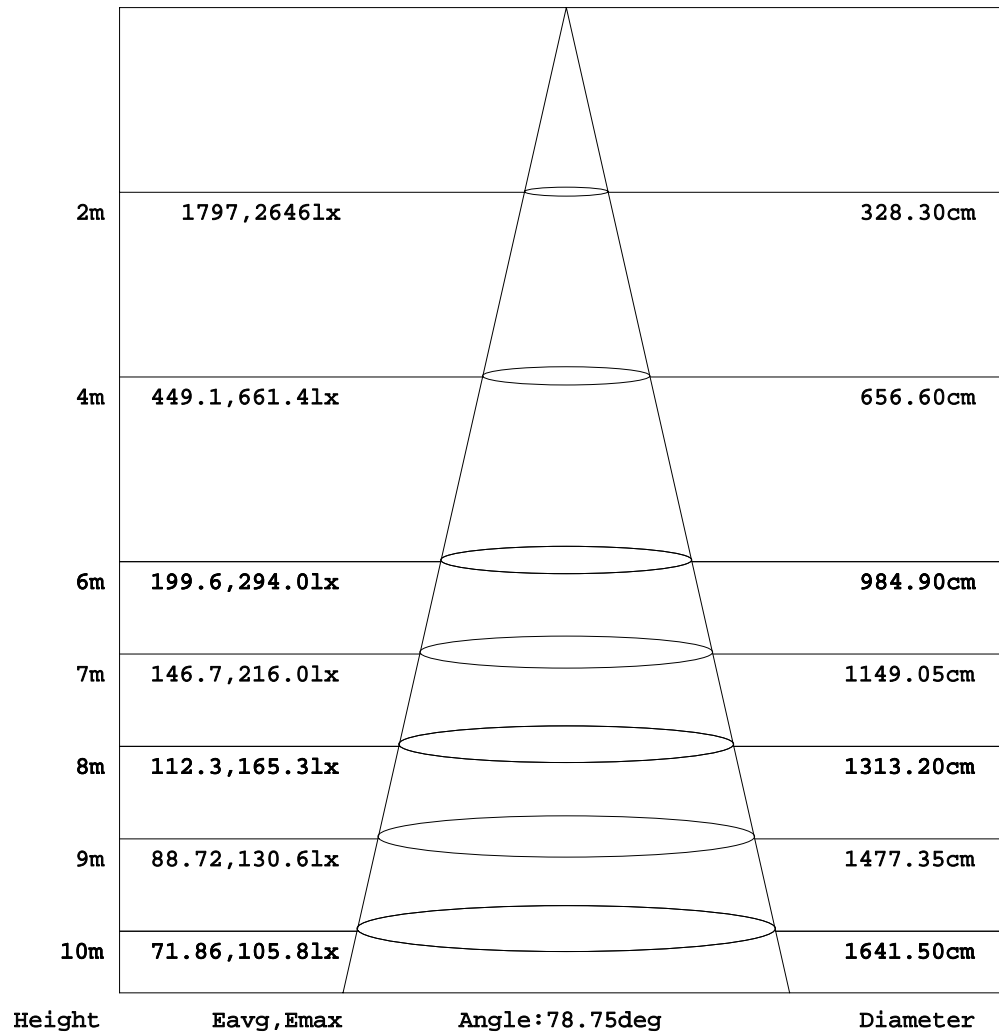
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-03-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.0V I:1.128A P:240.0W PF:0.9777 Freq:49.80Hz Lamp Flux:34015.6x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240W oH-3030-120D	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

Flux out:15896 lm



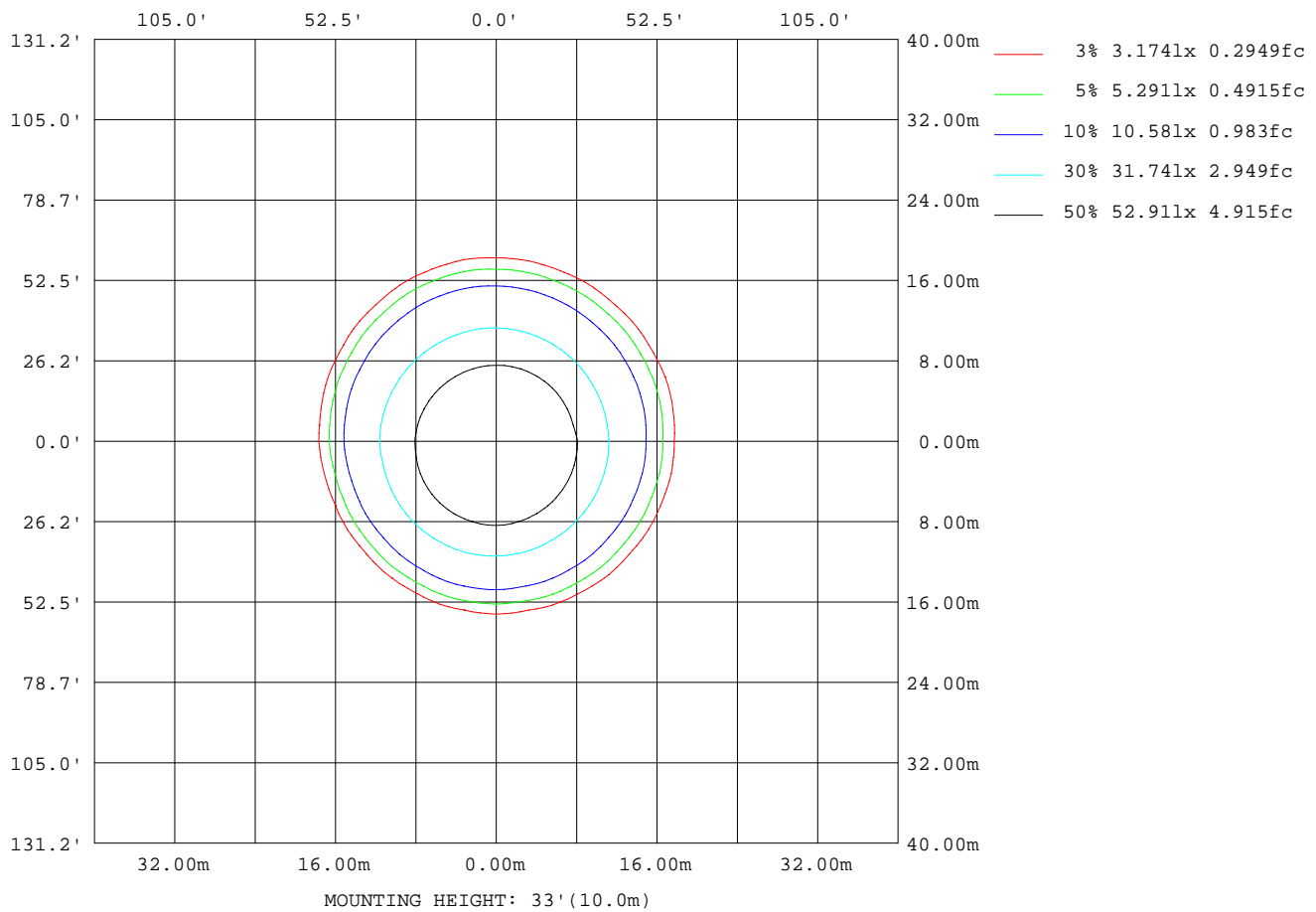
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-03-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 7.633m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:220.0V I:1.128A P:240.0W PF:0.9777 Freq:49.80Hz Lamp Flux:34015.6x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240WoH-3030-120D	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-03-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_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:1.128A P:240.0W PF:0.9777 Freq:49.80Hz Lamp Flux:34015.6x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240WoH-3030-120D	DIM.: ϕ 0.4*0.141M	SERIAL No.:
MFR.: AOK	SUR.: ϕ 0.29M	Shielding Angle:

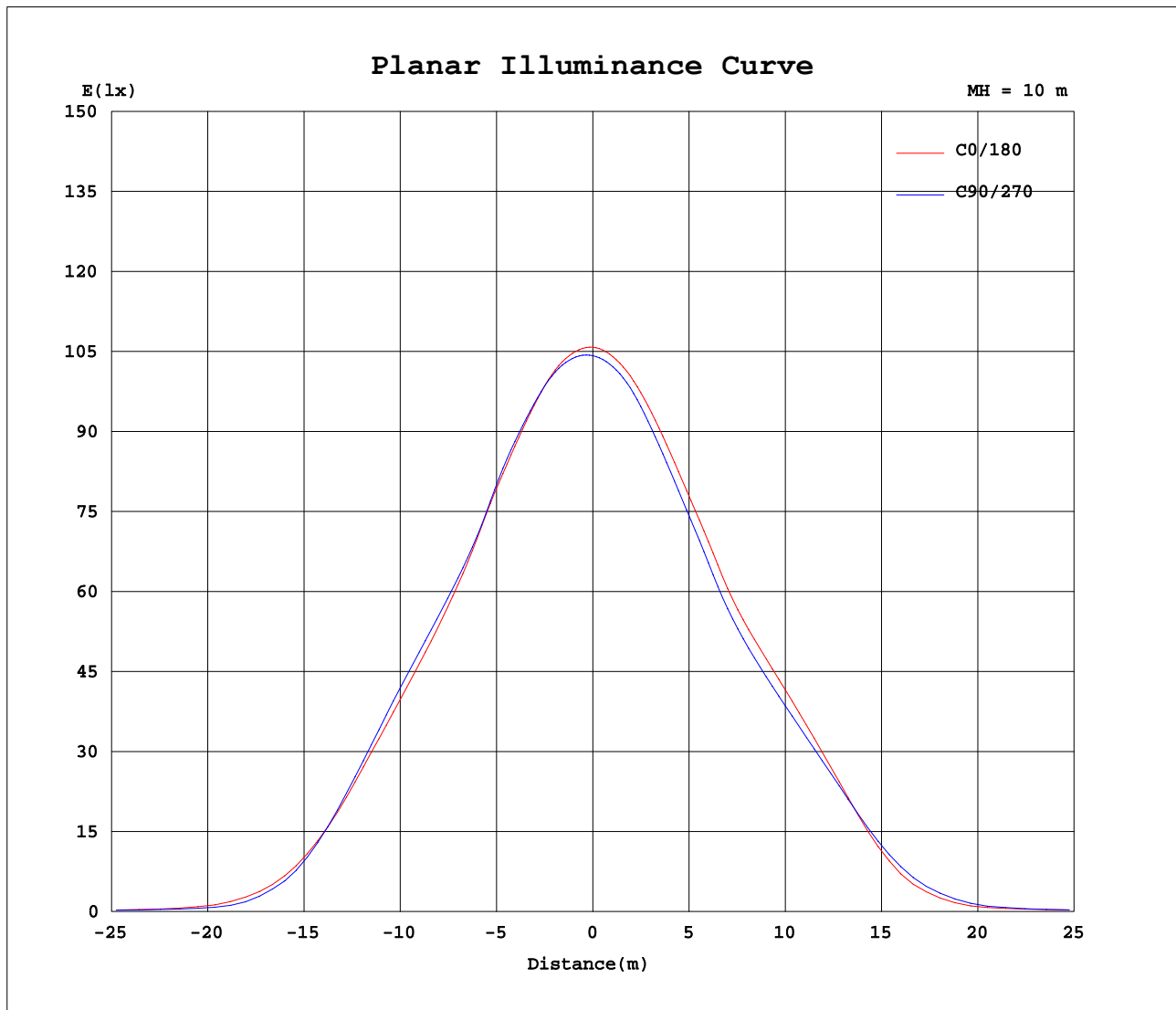
AvgL	cd/m2
L_0~180 (65) av	19633
L_0~180 (75) av	13312
L_0~180 (85) av	2943
L_90~270 (65) av	20348
L_90~270 (75) av	13364
L_90~270 (85) av	3823
L_45 (65) av	19587
L_45 (75) av	13427
L_45 (85) av	3040

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-03-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_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: 2018-03-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_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:1.128A P:240.0W PF:0.9777 Freq:49.80Hz Lamp Flux:34015.6x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-240WoH-3030-120D	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

Table--1

UNIT: $\times 10cd$

C (DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	1045	1045	1045	1045	1045	1045	1045	1045	1045	1045	1045	1045	1045	1045	1045	1045	1045	1045	1045
5	1049	1050	1050	1051	1052	1053	1054	1054	1054	1054	1054	1054	1053	1052	1051	1050	1048	1047	1043
10	1058	1059	1061	1063	1065	1066	1067	1068	1069	1069	1069	1068	1067	1065	1063	1060	1058	1055	1047
15	1067	1069	1071	1074	1077	1079	1081	1083	1084	1085	1085	1084	1083	1081	1078	1074	1069	1064	1053
20	1077	1079	1082	1085	1089	1092	1095	1098	1100	1101	1101	1101	1100	1097	1093	1088	1082	1075	1060
25	1090	1092	1096	1100	1103	1106	1109	1113	1116	1119	1120	1121	1120	1117	1112	1105	1097	1089	1070
30	1098	1099	1101	1104	1105	1108	1111	1114	1116	1119	1123	1127	1131	1133	1131	1124	1116	1106	1085
35	1101	1106	1109	1114	1118	1123	1128	1133	1138	1140	1143	1144	1145	1144	1142	1135	1126	1112	1088
40	1115	1119	1126	1134	1140	1147	1154	1161	1171	1178	1178	1174	1175	1173	1169	1163	1155	1143	1121
45	1111	1116	1121	1132	1139	1148	1155	1167	1181	1190	1195	1194	1192	1190	1187	1182	1176	1173	1161
50	1009	1012	1004	1013	1014	1029	1031	1049	1054	1069	1074	1085	1082	1095	1096	1103	1099	1105	1112
55	696	698	678	681	669	681	670	682	670	689	690	702	690	706	701	725	730	755	790
60	298	300	280	278	256	260	240	240	225	231	224	228	218	228	224	241	244	268	296
65	86.4	85.8	81.9	80.1	75.4	73.8	70.4	69.6	67.8	68.7	68.5	69.3	69.0	70.1	70.0	71.5	72.2	75.0	79.5
70	49.7	49.0	47.6	47.0	45.9	46.1	45.3	45.1	44.8	45.8	46.5	47.6	47.6	48.4	48.2	49.3	50.0	51.3	52.9
75	32.7	32.0	30.9	30.5	29.6	29.8	29.1	29.2	29.0	29.9	30.4	31.2	31.6	32.4	32.4	33.3	33.6	34.8	36.2
80	16.5	15.9	15.0	15.1	14.5	14.6	14.0	14.3	14.2	15.0	14.9	15.1	14.7	15.3	15.3	16.2	16.8	18.2	19.6
85	2.12	2.05	1.79	1.74	1.61	1.67	1.66	1.83	1.88	2.08	2.06	2.08	1.96	2.06	2.05	2.27	2.36	2.65	3.01
90	0.75	0.69	0.58	0.46	0.41	0.38	0.51	0.61	0.87	0.97	0.95	0.74	0.64	0.52	0.51	0.65	0.79	0.97	0.96
95	1.56	1.34	1.13	0.87	0.63	0.67	0.89	1.02	1.37	1.70	1.85	1.53	1.55	1.29	1.25	1.41	1.39	1.57	1.53
100	2.90	2.58	2.61	2.22	1.83	1.88	2.24	2.30	3.06	3.58	3.61	3.08	2.90	2.71	2.64	2.68	2.71	3.35	3.45
105	6.49	5.01	4.22	3.35	3.07	3.06	3.42	4.05	5.88	7.15	5.89	4.33	4.41	4.08	3.96	4.39	4.03	6.18	7.49
110	8.88	6.13	6.24	5.40	5.10	5.19	5.89	5.14	9.36	9.69	6.55	8.00	7.08	6.48	6.67	6.67	7.95	6.32	9.39
115	8.95	10.4	7.11	7.25	7.61	7.32	7.27	7.26	9.32	13.5	13.2	10.6	9.89	9.36	9.39	9.43	9.32	10.9	9.87
120	23.0	14.4	10.4	9.28	9.42	9.20	9.71	12.8	10.4	17.9	23.0	20.4	13.2	11.1	11.2	12.0	15.8	20.5	23.6
125	29.2	28.3	23.1	18.5	17.0	16.7	16.7	19.6	27.2	27.8	30.7	26.2	26.9	24.5	22.7	22.0	25.8	31.2	40.1
130	41.0	42.8	34.9	24.9	23.9	23.4	26.9	39.2	50.1	43.1	32.2	28.8	28.1	29.1	29.7	30.9	36.6	37.5	40.1
135	51.6	47.7	48.3	48.6	37.8	38.4	47.6	54.4	62.6	59.1	51.2	38.8	37.2	29.1	30.2	37.6	45.9	48.9	48.1
140	62.9	57.7	53.5	47.4	48.7	49.7	52.3	65.1	63.8	65.3	61.7	56.0	41.3	39.4	39.7	41.6	58.9	60.7	58.4
145	54.1	58.6	54.7	51.2	51.6	51.6	49.7	57.4	45.3	62.5	65.0	56.4	53.9	52.5	51.7	51.4	64.4	66.5	54.5
150	47.1	46.5	46.6	47.1	47.2	47.0	46.9	56.4	54.0	49.9	50.1	53.1	54.7	55.2	54.4	53.4	66.2	65.7	58.8
155	48.4	48.5	48.2	48.4	48.5	48.7	48.8	60.8	49.7	49.6	49.8	50.0	50.7	51.6	51.8	51.7	63.4	50.3	50.1
160	50.2	50.1	49.8	49.9	50.0	50.2	37.6	51.2	51.4	51.4	51.2	51.0	51.1	51.3	51.4	44.2	51.8	51.9	51.7
165	51.6	51.4	50.9	51.1	51.1	35.9	35.8	52.3	52.6	52.6	52.3	52.1	52.2	52.3	37.9	37.5	53.1	53.4	53.0
170	52.4	52.1	51.6	51.7	36.1	36.0	36.2	53.1	53.3	53.3	52.9	52.6	52.6	38.1	37.7	38.0	53.9	54.1	53.8
175	52.7	65.0	68.8	56.7	52.7	52.9	52.9	53.3	53.3	53.6	64.9	68.7	57.3	53.4	53.5	53.6	54.0	54.1	54.0
180	68.9	69.0	52.7	52.7	52.6	52.6	52.5	68.7	68.7	68.8	68.6	53.4	53.3	53.3	53.3	53.3	67.9	68.6	69.2

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-03-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_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:1.128A P:240.0W PF:0.9777 Freq:49.80Hz Lamp Flux:34015.6x1 lm																	
NAME: AOK oH									TYPE:LED						WEIGHT:6.0KG		
SPEC.:AOK-240Woh-3030-120D									DIM.: ϕ 0.4*0.141M						SERIAL No.:		
MFR.: AOK									SUR.: ϕ 0.29M						Shielding Angle:		

Table--2

UNIT: $\times 10\text{cd}$

γ (DEG) \ C (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	1045	1045	1045	1045	1045	1045	1045	1045	1045	1045	1045	1045	1045	1045	1045	1045	1045		
5	1043	1042	1041	1040	1040	1040	1040	1040	1041	1041	1041	1042	1042	1043	1044	1045	1046		
10	1045	1043	1042	1040	1039	1039	1039	1040	1041	1042	1043	1044	1045	1046	1048	1049	1051		
15	1050	1046	1043	1040	1038	1037	1037	1037	1038	1040	1043	1045	1048	1050	1053	1055	1058		
20	1055	1050	1045	1041	1038	1036	1035	1035	1037	1039	1042	1046	1050	1054	1058	1061	1064		
25	1063	1056	1049	1043	1039	1036	1035	1036	1038	1040	1044	1048	1054	1058	1063	1068	1073		
30	1076	1066	1059	1051	1045	1041	1039	1040	1042	1044	1047	1053	1060	1066	1072	1077	1082		
35	1080	1072	1063	1054	1047	1041	1037	1035	1036	1039	1045	1051	1058	1065	1071	1075	1078		
40	1110	1097	1088	1076	1070	1063	1061	1059	1061	1063	1065	1068	1074	1079	1085	1089	1100		
45	1146	1130	1120	1110	1103	1096	1093	1093	1093	1089	1089	1089	1090	1092	1093	1098	1105		
50	1108	1102	1094	1091	1083	1078	1076	1077	1068	1064	1054	1049	1040	1037	1031	1033	1030		
55	797	824	829	849	848	859	853	856	836	829	808	798	777	775	758	752	731		
60	302	328	334	359	365	388	386	397	381	378	364	362	346	348	335	338	325		
65	80.8	85.0	87.2	92.5	94.9	100	104	102	103	97.4	95.4	95.8	92.8	93.2	91.3	92.6	90.3		
70	53.8	55.5	55.7	56.3	56.5	57.0	56.6	57.0	56.3	56.4	55.9	56.1	55.0	54.4	53.1	52.6	50.9		
75	36.9	38.2	38.6	39.2	39.4	39.9	39.3	39.6	39.2	39.1	38.5	38.8	37.9	37.3	36.1	35.4	33.9		
80	20.2	21.4	22.1	23.0	23.2	23.6	23.6	23.8	23.3	22.5	21.7	21.6	20.8	19.9	18.9	18.3	17.6		
85	3.17	3.56	3.66	4.27	4.34	4.86	4.77	5.23	4.59	4.19	3.44	3.15	2.68	2.56	2.29	2.33	2.20		
90	0.78	0.58	0.46	0.37	0.36	0.46	0.58	0.77	0.80	0.69	0.55	0.42	0.33	0.54	0.47	0.56	0.67		
95	1.35	1.15	0.96	0.61	0.63	0.92	1.06	1.47	1.47	1.23	0.97	0.80	0.60	0.64	0.95	1.12	1.45		
100	3.04	2.54	2.26	1.83	1.86	2.35	2.40	2.80	2.93	2.58	1.98	2.03	1.79	1.98	2.35	2.57	2.93		
105	5.54	4.42	3.49	3.35	3.28	3.52	3.87	5.99	7.15	6.00	3.84	3.51	3.25	3.26	3.60	4.00	5.69		
110	6.17	6.55	5.69	5.11	5.30	5.48	5.74	7.49	11.2	8.09	5.21	5.36	5.48	5.29	5.51	5.92	7.17		
115	7.74	8.39	6.96	6.72	6.67	7.01	10.9	10.4	13.8	8.55	8.32	7.11	7.22	6.97	7.13	8.77	11.0		
120	15.6	11.3	8.91	8.76	8.85	11.3	17.9	21.5	12.9	11.5	12.1	8.88	9.08	9.07	8.83	10.8	16.4		
125	31.2	21.8	18.0	18.8	20.4	22.0	21.8	25.4	25.6	23.9	15.3	15.4	16.1	16.6	18.7	22.9	29.3		
130	42.8	41.0	32.1	28.6	26.7	24.7	24.7	34.6	41.4	46.3	32.0	22.9	21.7	23.6	25.3	28.4	35.6		
135	44.8	46.2	42.8	33.1	31.5	35.9	41.7	45.8	58.9	59.6	50.2	46.2	35.8	35.4	42.3	46.5	57.3		
140	59.3	47.1	43.6	42.5	42.9	49.8	59.3	66.8	63.8	54.1	60.4	48.0	47.7	47.7	51.7	59.4	60.6		
145	63.6	60.8	49.8	51.1	52.9	54.2	62.6	63.7	60.1	60.7	55.0	53.1	53.0	52.1	50.8	58.7	61.3		
150	51.5	65.4	52.6	52.9	53.2	52.9	51.2	48.8	55.0	61.1	61.1	44.9	48.3	48.7	48.6	48.0	47.2		
155	49.8	42.0	52.7	52.7	51.9	50.9	50.0	50.0	50.1	50.1	53.0	46.5	49.2	49.0	48.8	48.6	48.7		
160	51.5	39.2	37.4	51.8	51.6	51.4	51.4	51.7	51.9	51.8	39.9	50.7	50.6	50.4	50.3	50.2	50.4		
165	52.8	40.2	37.5	44.4	52.7	52.5	52.4	52.9	49.4	45.4	38.6	37.3	45.9	51.6	51.4	51.4	51.7		
170	53.5	44.1	37.9	37.7	53.3	53.2	53.2	53.7	54.0	54.1	45.0	37.5	37.3	42.3	52.1	52.1	52.5		
175	53.7	53.4	53.0	52.9	52.6	68.6	66.8	56.9	54.3	54.3	53.9	53.7	53.6	53.4	68.4	66.5	57.5		
180	68.8	52.8	52.6	52.6	52.6	52.6	68.6	68.8	68.7	68.7	53.4	53.3	53.3	53.3	53.3	67.6	68.6		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-03-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 7.633m [K=1.0000]
 Remarks: