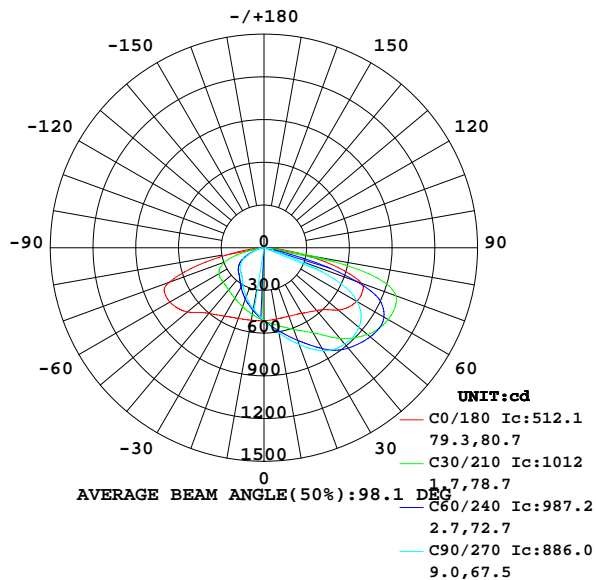


LUMINAIRE PHOTOMETRIC TEST REPORT

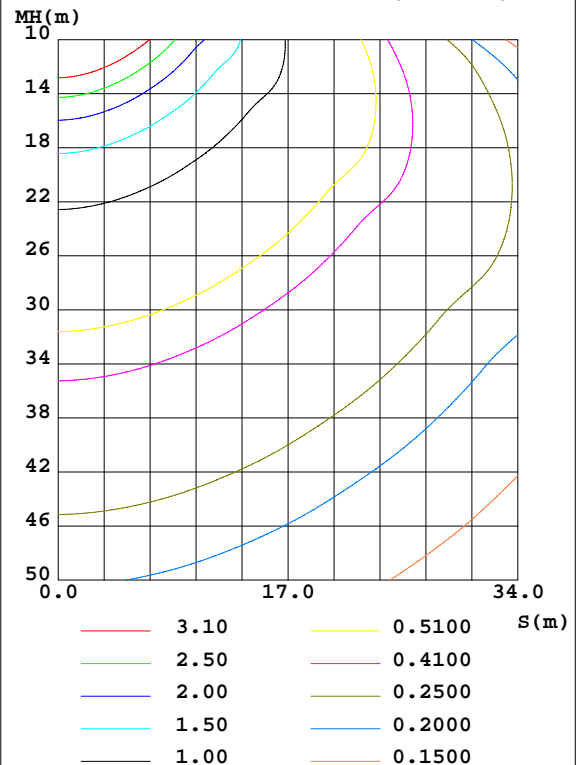
Test:U:21.59V I:0.7201A P:15.54W PF:1.000 Freq:49.99Hz Lamp Flux:2807.4x1 lm		
NAME: AOK I	TYPE:LED	WEIGHT:
SPEC.:AOK-15W-I-5050-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 180.60 lm/W			
MODEL	5050	I _{max} (cd)	1065	S/MH(C0/180)	1.78
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.89
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	2807.4	η UP,DN(C0-180)	0.1,69.6
NOMINAL FLUX(lm)	2807.4	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.2,30.0
LAMPS INSIDE	1	η up(%)	0.3	CIBSE SHR NOM	1.75
TEST VOLTAGE(V)	220	η down(%)	99.7	CIBSE SHR MAX	1.75

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:2018-09-28

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	509.0	575.4	607.2	580.1	517.3	458.8	435.8	455.3	0- 10	49.15	49.15	1.75,1.75
20	512.1	655.2	723.1	667.5	528.5	407.6	365.6	402.2	10- 20	148.8	198.0	7.05,7.05
30	532.1	770.0	834.1	784.9	554.9	357.3	295.9	351.3	20- 30	252.7	450.7	16.1,16.1
40	576.2	916.1	883.5	921.4	602.0	313.2	245.1	303.1	30- 40	362.6	813.3	29,29
50	681.1	1011	870.0	1009	701.4	280.7	219.5	268.8	40- 50	473.1	1286	45.8,45.8
60	752.4	1065	756.2	1053	763.1	231.5	170.9	222.2	50- 60	566.0	1852	66,66
70	731.7	964.3	238.4	930.2	706.0	125.7	85.43	129.4	60- 70	570.1	2422	86.3,86.3
80	287.4	240.1	51.36	154.4	226.9	33.34	34.37	39.00	70- 80	326.2	2749	97.9,97.9
90	6.072	20.31	1.078	14.06	1.181	1.088	0.1098	2.507	80- 90	49.75	2798	99.7,99.7
100	1.114	0.3294	0.1722	0.3532	1.060	1.301	0.5830	1.292	90-100	1.019	2799	99.7,99.7
110	1.553	0.5437	0.4185	0.5551	1.490	1.967	3.283	1.947	100-110	1.076	2800	99.8,99.8
120	1.668	0.7420	1.011	0.7335	1.665	2.313	4.109	2.425	110-120	1.482	2802	99.8,99.8
130	1.609	0.9245	1.769	0.8617	1.673	2.422	3.855	2.565	120-130	1.528	2803	99.9,99.9
140	1.498	1.040	1.818	0.9897	1.609	2.313	3.440	2.449	130-140	1.375	2805	99.9,99.9
150	1.419	1.167	1.638	1.153	1.589	2.146	2.891	2.270	140-150	1.098	2806	99.9,99.9
160	1.643	1.421	1.505	1.444	1.589	2.016	2.295	2.115	150-160	0.8120	2807	100,100
170	1.673	1.523	1.375	1.576	1.603	1.817	1.771	1.952	160-170	0.4865	2807	100,100
180	1.628	1.595	1.469	1.634	1.601	1.607	1.497	1.653	170-180	0.1564	2807	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1036.2 lm

%lum = 36.9%

%lamp = 36.9%

Conical surface Flux(120deg): 1852.4 lm

%lum = 66.0%

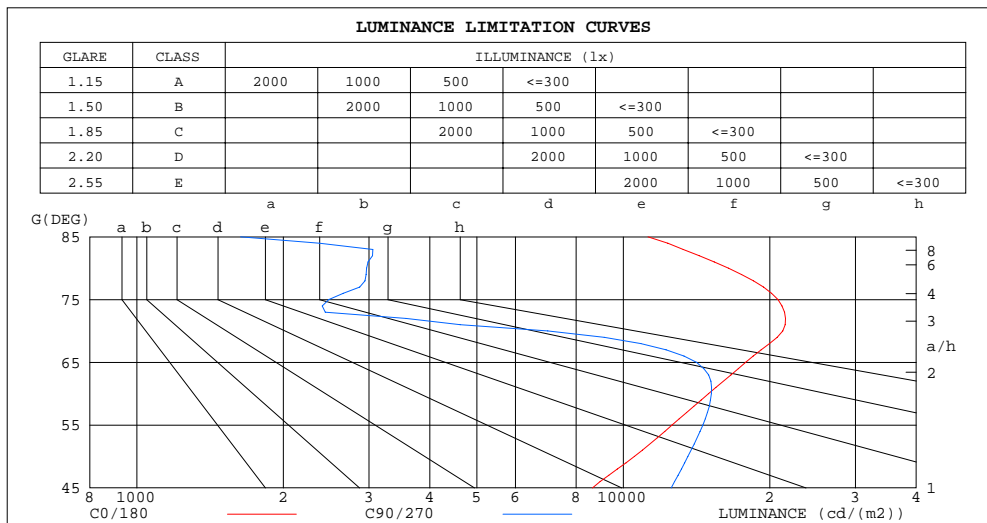
%lamp = 66.0%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-09-28

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:21.59V I:0.7201A P:15.54W PF:1.000 Freq:49.99Hz Lamp Flux:2807.4x1 lm		
NAME: AOK I	TYPE:LED	WEIGHT:
SPEC.:AOK-15W-I-5050-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	11238	1634
80	16457	2967
75	20790	2480
70	21275	6992
65	17837	14142
60	14964	15171
55	12593	14570
50	10537	13576
45	8638	12548

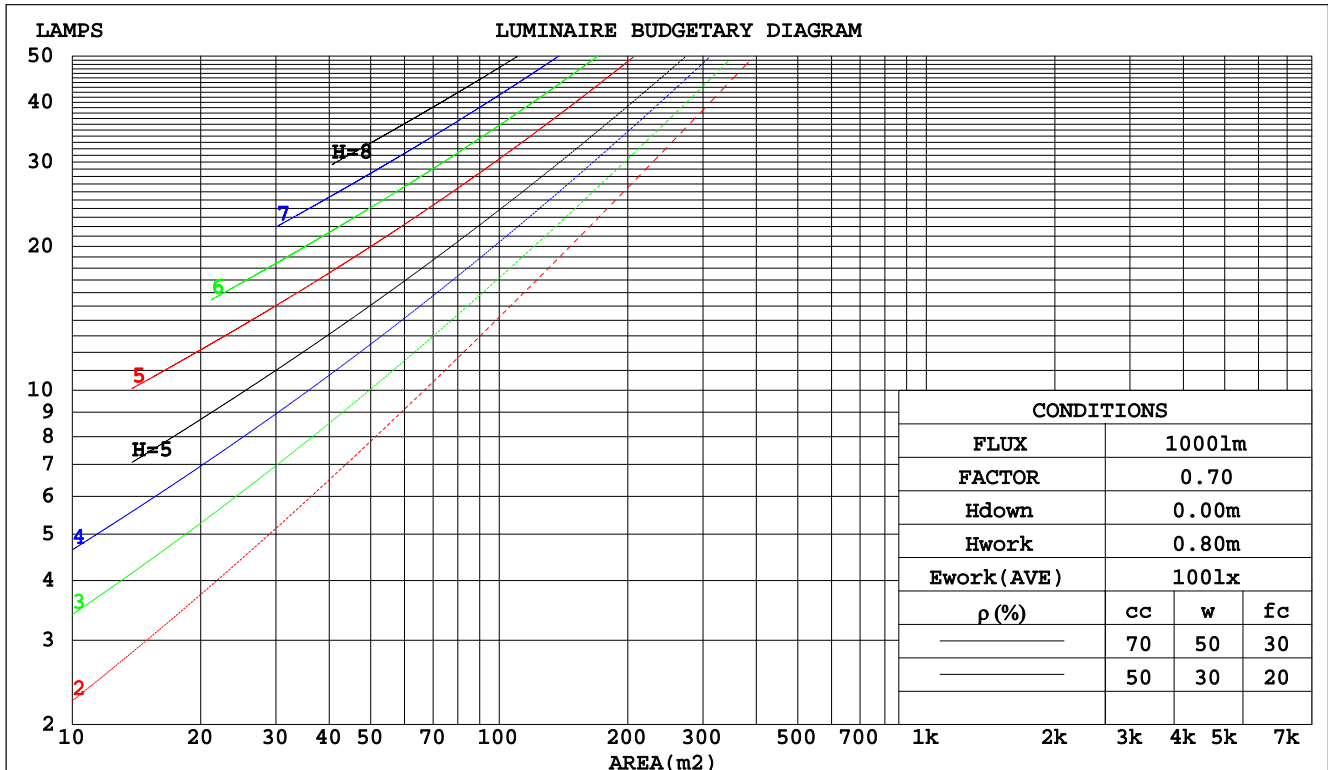
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-09-28

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:21.59V I:0.7201A P:15.54W PF:1.000 Freq:49.99Hz Lamp Flux:2807.4x1 lm		
NAME: AOK I	TYPE:LED	WEIGHT:
SPEC.:AOK-15W-I-5050-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:	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	.00
1.0	1.01	.96	.92	.99	.94	.90	.94	.91	.87	.90	.87	.84	.87	.84	.82	.79
2.0	.85	.77	.71	.83	.76	.70	.80	.73	.68	.76	.71	.66	.73	.69	.65	.62
3.0	.73	.63	.56	.71	.62	.55	.68	.60	.54	.65	.58	.53	.62	.57	.52	.50
4.0	.63	.53	.45	.61	.52	.45	.59	.51	.44	.56	.49	.43	.54	.48	.43	.40
5.0	.55	.45	.37	.54	.44	.37	.52	.43	.37	.49	.42	.36	.47	.41	.36	.33
6.0	.49	.39	.31	.48	.38	.31	.46	.37	.31	.44	.36	.31	.42	.35	.30	.28
7.0	.44	.34	.27	.43	.33	.27	.41	.33	.27	.39	.32	.26	.38	.31	.26	.24
8.0	.39	.30	.23	.39	.30	.23	.37	.29	.23	.36	.28	.23	.34	.28	.23	.21
9.0	.36	.27	.21	.35	.26	.21	.34	.26	.20	.33	.25	.20	.32	.25	.20	.18
10.0	.33	.24	.18	.32	.24	.18	.31	.23	.18	.30	.23	.18	.29	.23	.18	.16



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-09-28

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:21.59V I:0.7201A P:15.54W PF:1.000 Freq:49.99Hz Lamp Flux:2807.4x1 lm		
NAME: AOK I	TYPE:LED	WEIGHT:
SPEC.:AOK-15W-I-5050-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:	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	.361	.205	.065	.354	.202	.064	.340	.195	.062	.328	.189	.061	.316	.183	.059	
2.0	.340	.186	.057	.334	.184	.057	.321	.179	.055	.310	.174	.054	.299	.169	.053	
3.0	.312	.166	.050	.306	.164	.049	.295	.160	.049	.285	.156	.048	.275	.152	.047	
4.0	.284	.148	.043	.279	.146	.043	.269	.143	.043	.260	.140	.042	.252	.137	.042	
5.0	.260	.132	.038	.255	.131	.038	.246	.128	.038	.238	.126	.037	.231	.123	.037	
6.0	.238	.119	.034	.234	.118	.034	.226	.116	.034	.219	.114	.033	.212	.112	.033	
7.0	.220	.109	.031	.216	.108	.031	.209	.106	.030	.203	.104	.030	.196	.102	.030	
8.0	.203	.099	.028	.200	.099	.028	.194	.097	.028	.188	.095	.027	.183	.094	.027	
9.0	.189	.092	.026	.186	.091	.025	.181	.089	.025	.175	.088	.025	.170	.087	.025	
10.0	.177	.085	.024	.174	.084	.023	.169	.083	.023	.164	.082	.023	.160	.080	.023	

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	.193	.193	.193	.165	.165	.165	.113	.113	.113	.065	.065	.065	.021	.021	.021		
1.0	.186	.158	.133	.159	.136	.114	.109	.093	.079	.063	.054	.046	.020	.017	.015		
2.0	.181	.134	.095	.155	.115	.082	.106	.080	.057	.061	.046	.033	.020	.015	.011		
3.0	.175	.117	.071	.150	.101	.061	.103	.070	.043	.059	.041	.025	.019	.013	.008		
4.0	.168	.104	.056	.144	.090	.048	.099	.063	.034	.057	.037	.020	.018	.012	.007		
5.0	.161	.094	.045	.138	.082	.039	.095	.057	.028	.055	.033	.017	.018	.011	.005		
6.0	.153	.086	.038	.132	.075	.033	.091	.052	.023	.053	.031	.014	.017	.010	.005		
7.0	.146	.079	.033	.125	.069	.029	.087	.048	.020	.050	.028	.012	.016	.009	.004		
8.0	.139	.074	.029	.120	.064	.025	.083	.045	.018	.048	.026	.011	.016	.009	.004		
9.0	.132	.069	.026	.114	.060	.023	.079	.042	.016	.046	.025	.010	.015	.008	.003		
10.0	.126	.064	.024	.109	.056	.021	.075	.039	.015	.044	.023	.009	.014	.008	.003		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-09-28

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:21.59V I:0.7201A P:15.54W PF:1.000 Freq:49.99Hz Lamp Flux:2807.4x1 lm											
NAME: AOK I					TYPE:LED			WEIGHT:			
SPEC.:AOK-15W-I-5050-T3					DIM.:			SERIAL No.:			
MFR.: AOK					SUR.:			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		21.2	22.9	21.4	23.1	23.3	21.0	22.7	21.3	22.9	23.2
3H		24.1	25.7	24.4	26.0	26.2	22.2	23.8	22.5	24.0	24.3
4H		25.1	26.7	25.5	26.9	27.2	22.1	23.6	22.4	23.9	24.2
6H		25.6	27.0	25.9	27.3	27.6	22.0	23.5	22.4	23.8	24.1
8H		25.7	27.1	26.0	27.4	27.7	22.0	23.4	22.4	23.7	24.0
12H		25.7	27.0	26.0	27.3	27.7	22.0	23.3	22.3	23.6	23.9
4H	2H	22.6	24.1	22.9	24.4	24.7	22.4	24.0	22.8	24.2	24.5
	3H	25.7	27.1	26.1	27.4	27.7	23.9	25.3	24.3	25.6	25.9
	4H	26.9	28.1	27.3	28.4	28.8	23.9	25.2	24.3	25.5	25.9
	6H	27.3	28.4	27.7	28.8	29.2	23.9	25.0	24.3	25.3	25.7
	8H	27.4	28.4	27.8	28.8	29.2	23.9	24.9	24.3	25.3	25.7
	12H	27.4	28.3	27.8	28.7	29.1	23.8	24.8	24.3	25.2	25.6
8H	4H	27.3	28.3	27.7	28.7	29.1	24.9	25.9	25.3	26.3	26.7
	6H	27.9	28.8	28.4	29.2	29.6	24.9	25.8	25.4	26.2	26.6
	8H	28.0	28.7	28.4	29.2	29.6	24.9	25.7	25.4	26.1	26.6
	12H	28.0	28.7	28.5	29.1	29.6	24.9	25.5	25.4	26.0	26.5
12H	4H	27.3	28.2	27.7	28.6	29.0	25.0	25.9	25.4	26.3	26.7
	6H	27.9	28.6	28.4	29.1	29.5	25.0	25.7	25.5	26.2	26.6
	8H	28.0	28.6	28.4	29.1	29.6	25.0	25.6	25.5	26.1	26.6
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H		+ 0.2 / - 0.3					+ 0.3 / - 0.3				
2.0H		+ 0.2 / - 0.4					+ 1.0 / - 1.3				

CIE Pub.117, 2807 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 3.6$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-09-28

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:

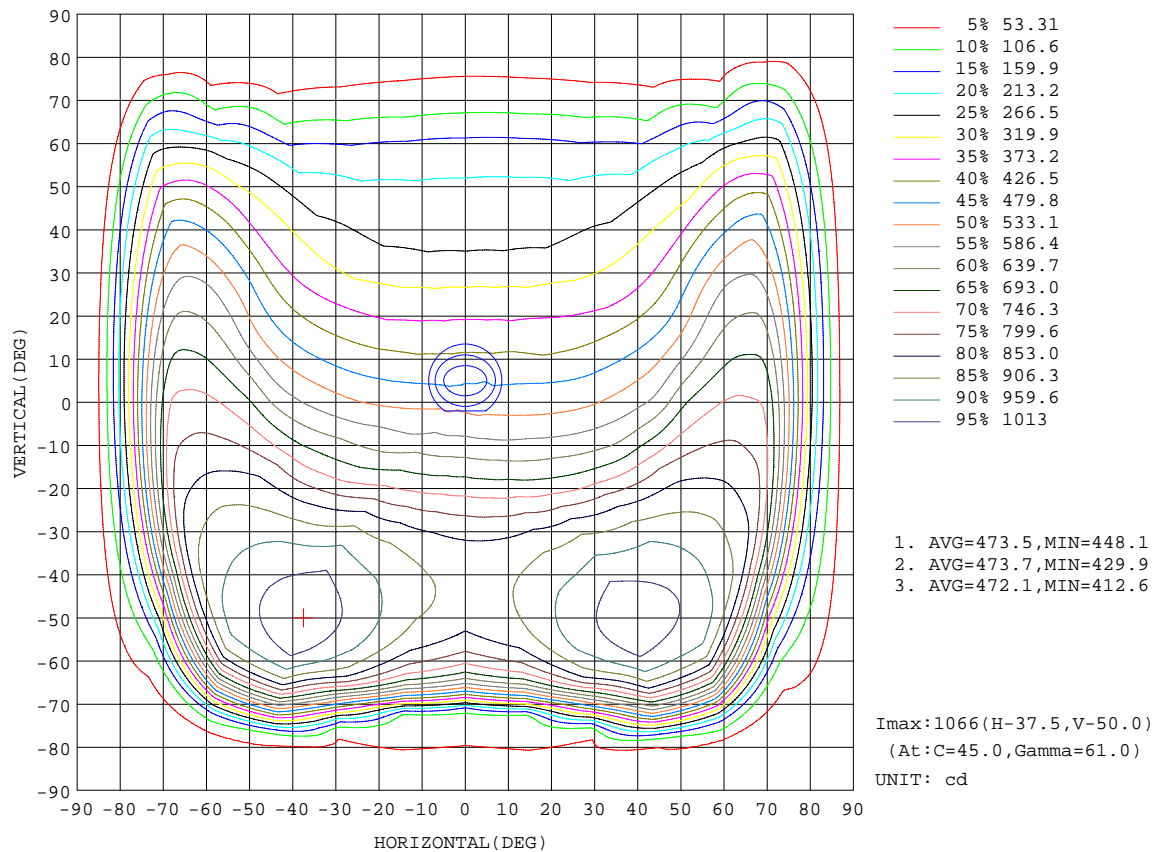
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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.684m [K=1.0000]
Remarks:

```

ISOCANDELA DIAGRAM

Test:U:21.59V I:0.7201A P:15.54W PF:1.000 Freq:49.99Hz Lamp Flux:2807.4x1 lm		
NAME: AOK I	TYPE:LED	WEIGHT:
SPEC.:AOK-15W-I-5050-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:	Shielding Angle:



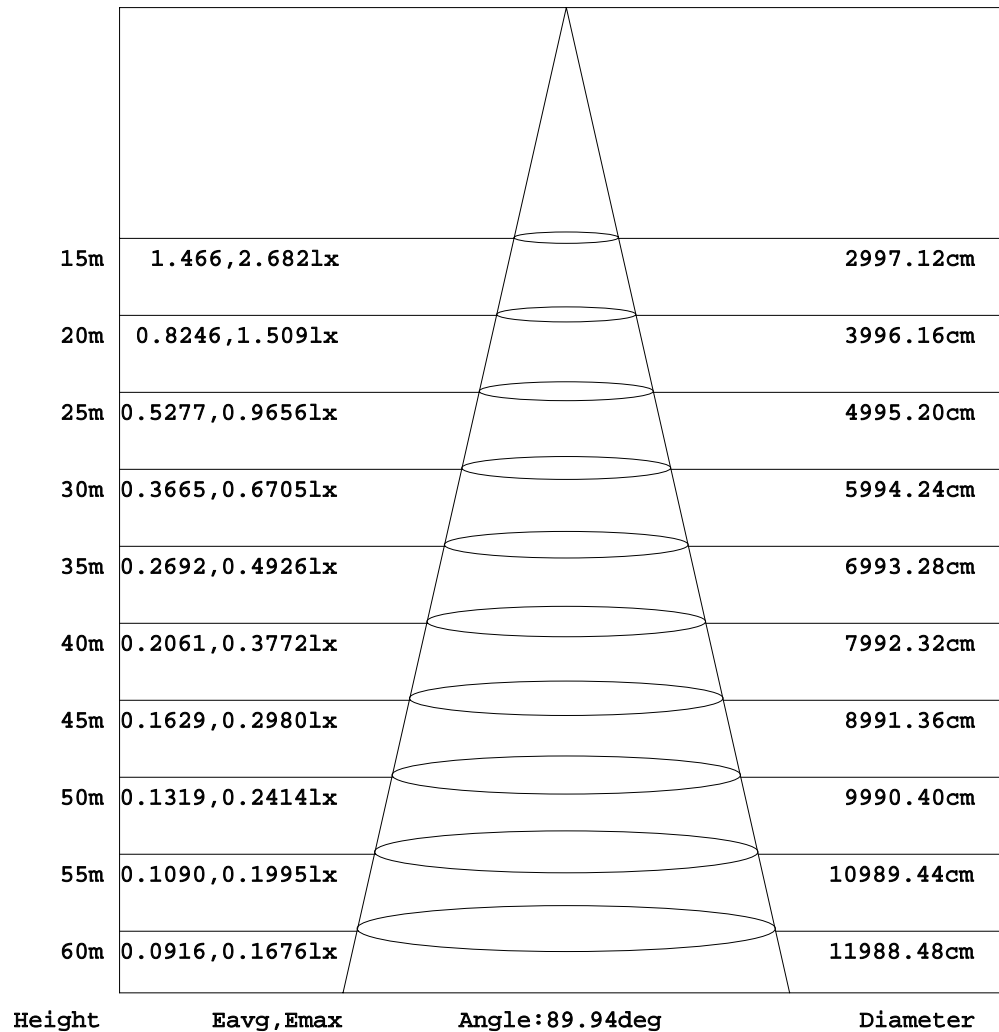
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-09-28

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:21.59V I:0.7201A P:15.54W PF:1.000 Freq:49.99Hz Lamp Flux:2807.4x1 lm		
NAME: AOK I	TYPE:LED	WEIGHT:
SPEC.:AOK-15W-I-5050-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:	Shielding Angle:

Flux out:1036 lm



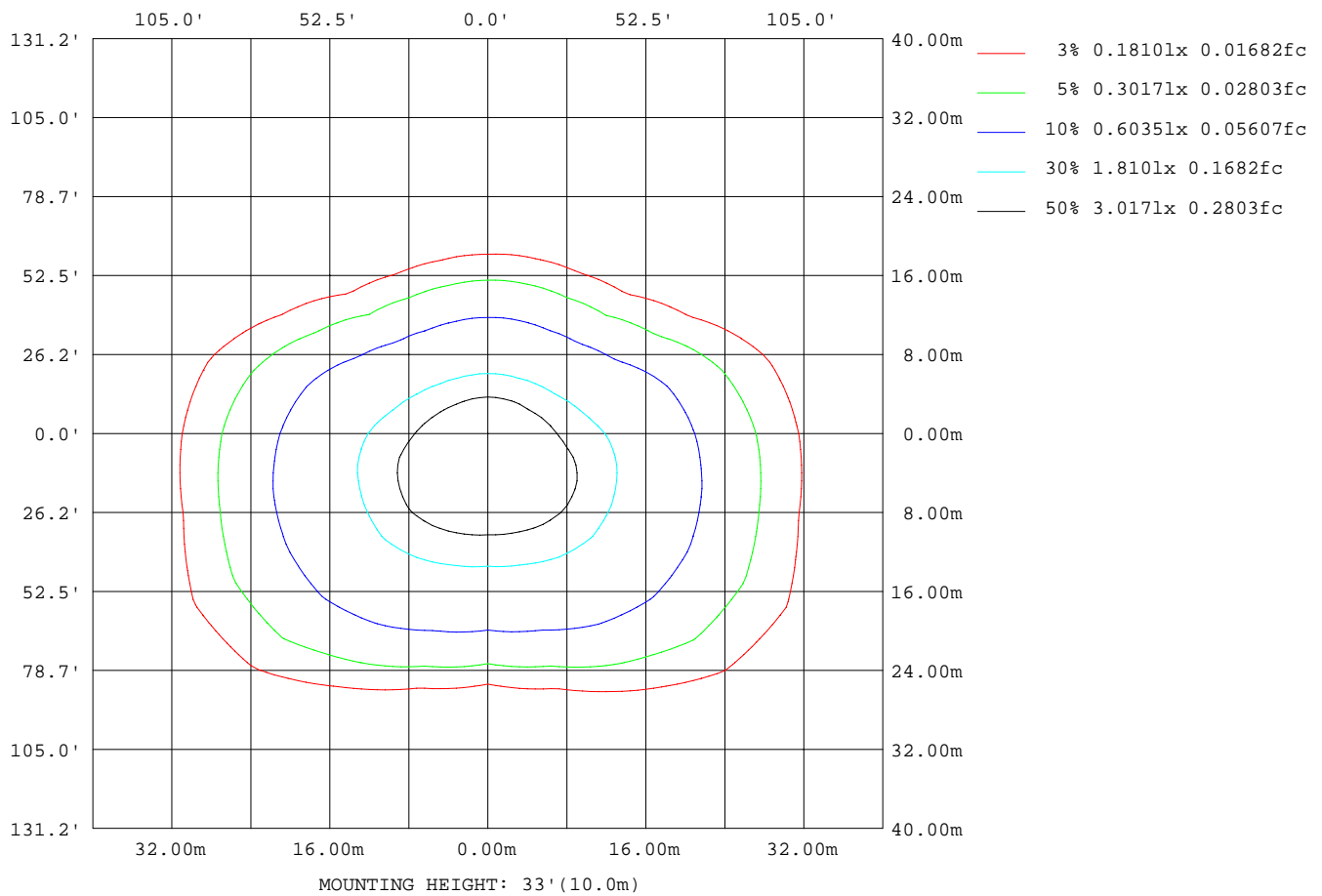
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-09-28

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:21.59V I:0.7201A P:15.54W PF:1.000 Freq:49.99Hz Lamp Flux:2807.4x1 lm		
NAME: AOK I	TYPE:LED	WEIGHT:
SPEC.:AOK-15W-I-5050-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-09-28

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:21.59V I:0.7201A P:15.54W PF:1.000 Freq:49.99Hz Lamp Flux:2807.4x1 lm		
NAME: AOK I	TYPE:LED	WEIGHT:
SPEC.:AOK-15W-I-5050-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:	Shielding Angle:

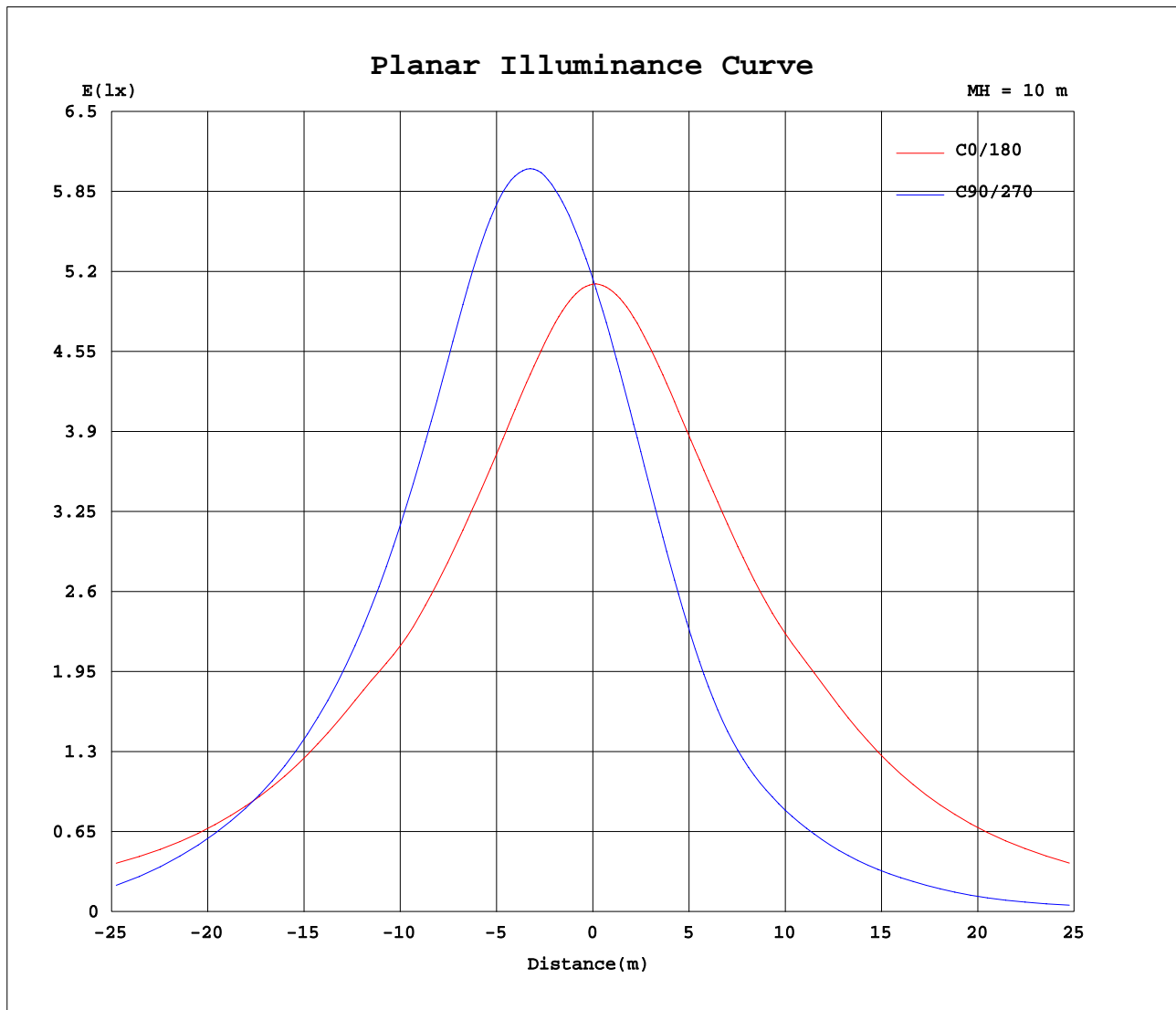
AvgL	cd/m2
L_0~180(65)av	18039
L_0~180(75)av	19760
L_0~180(85)av	8646
L_90~270(65)av	8508
L_90~270(75)av	2316
L_90~270(85)av	1166
L_45(65)av	14472
L_45(75)av	14585
L_45(85)av	3322

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-09-28

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: 2018-09-28

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:21.59V I:0.7201A P:15.54W PF:1.000 Freq:49.99Hz Lamp Flux:2807.4x1 lm		
NAME: AOK I	TYPE:LED	WEIGHT:
SPEC.:AOK-15W-I-5050-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:	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	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513
5	511	522	532	542	550	555	557	556	551	544	535	525	514	504	494	485	479	475	473
10	509	532	555	575	592	603	607	605	596	580	561	539	517	495	475	459	446	439	436
15	509	545	580	613	639	657	664	660	646	621	590	556	521	487	457	433	415	404	401
20	512	561	610	655	692	715	723	720	701	668	624	576	529	482	440	408	384	371	366
25	519	583	645	705	751	775	783	783	763	720	663	600	539	478	424	382	353	336	330
30	532	610	689	770	817	831	834	840	832	785	710	633	555	478	410	357	321	302	296
35	551	645	754	848	879	873	868	881	890	859	768	669	576	481	398	334	293	272	266
40	576	703	830	916	920	896	884	904	929	921	836	716	602	486	387	313	268	250	245
45	614	776	895	966	950	907	885	913	957	968	896	786	642	498	379	296	252	236	232
50	681	840	948	1011	974	905	870	908	977	1009	947	842	701	523	376	281	236	223	220
55	726	879	986	1047	987	884	833	885	985	1041	981	877	740	563	374	260	215	202	200
60	752	900	1007	1065	973	825	756	827	964	1053	998	895	763	588	365	231	186	172	171
65	758	901	1011	1047	907	695	596	698	897	1026	996	894	767	584	343	189	141	124	123
70	732	858	986	964	689	380	238	369	659	930	959	812	706	546	292	126	90.1	83.5	85.4
75	541	570	826	719	284	65.0	64.0	65.5	249	648	751	487	482	455	198	67.9	55.0	53.9	55.9
80	287	192	361	240	52.3	57.8	51.4	57.7	51.8	154	247	130	227	293	76.8	33.3	31.6	33.9	34.4
85	98.5	35.6	41.5	44.2	40.6	33.9	14.2	33.1	39.5	44.8	34.0	25.7	52.2	74.7	17.0	12.2	12.4	8.63	6.12
90	6.07	6.38	10.5	20.3	12.0	9.74	1.08	8.52	8.95	14.1	3.81	2.25	1.18	1.83	1.51	1.09	0.96	0.27	0.11
95	0.82	0.70	0.41	0.24	0.19	0.15	0.13	0.16	0.19	0.26	0.45	0.76	0.78	0.92	1.02	0.90	0.68	0.33	0.27
100	1.11	0.91	0.56	0.33	0.20	0.21	0.17	0.22	0.22	0.35	0.59	0.97	1.06	1.28	1.39	1.30	1.06	0.65	0.58
105	1.37	1.09	0.69	0.43	0.28	0.29	0.27	0.30	0.30	0.45	0.72	1.14	1.31	1.59	1.69	1.64	1.43	1.03	1.21
110	1.55	1.23	0.81	0.54	0.38	0.40	0.42	0.38	0.38	0.56	0.82	1.26	1.49	1.83	1.97	1.97	1.77	1.43	3.28
115	1.66	1.30	0.91	0.65	0.48	0.51	0.95	0.49	0.48	0.65	0.89	1.28	1.62	2.01	2.20	2.19	2.07	1.78	4.03
120	1.67	1.31	0.97	0.74	0.60	0.67	1.01	0.57	0.58	0.73	0.95	1.29	1.67	2.10	2.32	2.31	2.25	2.10	4.11
125	1.66	1.31	1.02	0.83	0.72	0.78	1.14	0.68	0.65	0.80	0.96	1.26	1.68	2.09	2.32	2.42	2.38	2.31	4.15
130	1.61	1.29	1.06	0.92	0.82	0.94	1.77	0.86	0.76	0.86	1.01	1.25	1.67	2.06	2.27	2.42	2.41	2.47	3.86
135	1.55	1.29	1.09	0.98	0.90	1.05	1.94	1.00	0.83	0.93	1.03	1.24	1.66	2.01	2.19	2.38	2.41	2.57	3.65
140	1.50	1.29	1.10	1.04	0.96	1.16	1.82	1.12	0.92	0.99	1.09	1.24	1.61	1.94	2.10	2.31	2.37	2.60	3.44
145	1.46	1.29	1.14	1.10	1.05	1.24	1.73	1.26	1.02	1.06	1.10	1.24	1.60	1.88	2.03	2.22	2.30	2.59	3.17
150	1.42	1.29	1.18	1.17	1.12	1.33	1.64	1.36	1.12	1.15	1.15	1.26	1.59	1.83	1.95	2.15	2.24	2.56	2.89
155	1.63	1.56	1.38	1.36	1.30	1.45	1.59	1.45	1.27	1.37	1.39	1.50	1.58	1.78	1.88	2.08	2.18	2.46	2.58
160	1.64	1.60	1.43	1.42	1.40	1.45	1.50	1.45	1.41	1.44	1.44	1.54	1.59	1.76	1.81	2.02	2.12	2.31	2.30
165	1.66	1.63	1.50	1.49	1.44	1.45	1.44	1.45	1.45	1.53	1.51	1.57	1.60	1.73	1.77	1.94	2.00	2.10	2.04
170	1.67	1.64	1.54	1.52	1.47	1.44	1.38	1.45	1.48	1.58	1.57	1.58	1.60	1.71	1.71	1.82	1.83	1.90	1.77
175	1.66	1.63	1.55	1.54	1.49	1.51	1.40	1.51	1.52	1.59	1.60	1.58	1.60	1.67	1.61	1.70	1.68	1.74	1.62
180	1.63	1.63	1.59	1.59	1.60	1.60	1.47	1.56	1.59	1.63	1.60	1.58	1.60	1.64	1.59	1.61	1.60	1.60	1.50

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-09-28

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:

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Test:U:21.59V I:0.7201A P:15.54W PF:1.000 Freq:49.99Hz Lamp Flux:2807.4x1 lm		
NAME: AOK I	TYPE:LED	WEIGHT:
SPEC.:AOK-15W-I-5050-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEC)	285	300	315	330	345														
γ (DEC)																			
0	513	513	513	513	513														
5	474	478	483	491	500														
10	438	444	455	470	488														
15	403	413	428	450	477														
20	370	382	402	431	468														
25	335	350	377	414	462														
30	301	319	351	398	459														
35	271	290	326	385	462														
40	249	265	303	371	466														
45	236	248	284	359	474														
50	224	234	269	353	491														
55	204	214	249	349	527														
60	176	186	222	340	564														
65	131	146	185	320	571														
70	87.4	96.2	129	279	543														
75	56.6	59.9	75.0	200	470														
80	34.4	34.1	39.0	82.2	327														
85	11.3	14.1	14.6	20.4	117														
90	0.42	1.67	2.51	3.52	5.65														
95	0.35	0.63	0.91	0.95	0.79														
100	0.65	0.98	1.29	1.32	1.15														
105	1.01	1.35	1.62	1.63	1.46														
110	1.42	1.68	1.95	1.91	1.72														
115	1.80	2.02	2.23	2.15	1.90														
120	2.20	2.32	2.43	2.27	1.99														
125	2.48	2.50	2.53	2.29	2.00														
130	2.59	2.56	2.57	2.28	2.00														
135	2.67	2.56	2.52	2.24	1.97														
140	2.69	2.52	2.45	2.18	1.93														
145	2.68	2.42	2.36	2.10	1.89														
150	2.55	2.33	2.27	2.03	1.86														
155	2.45	2.08	2.18	1.96	1.83														
160	2.30	2.16	2.11	1.90	1.81														
165	2.10	2.06	2.05	1.87	1.81														
170	1.88	1.89	1.95	1.83	1.78														
175	1.74	1.73	1.79	1.71	1.71														
180	1.58	1.59	1.65	1.61	1.61														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-09-28

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: