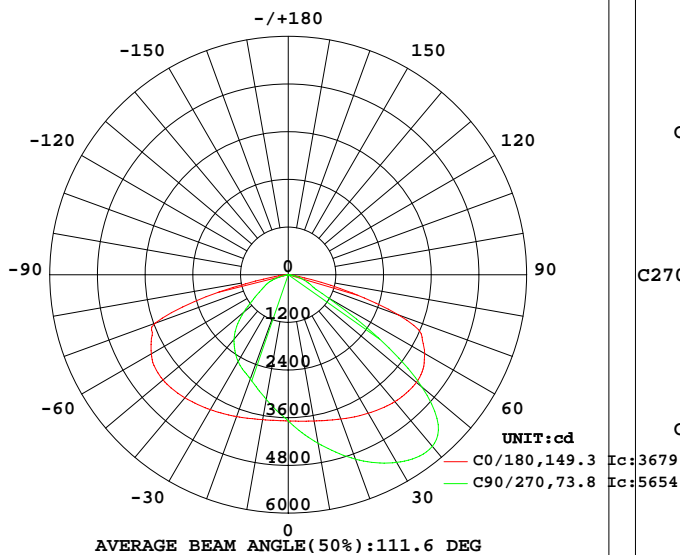
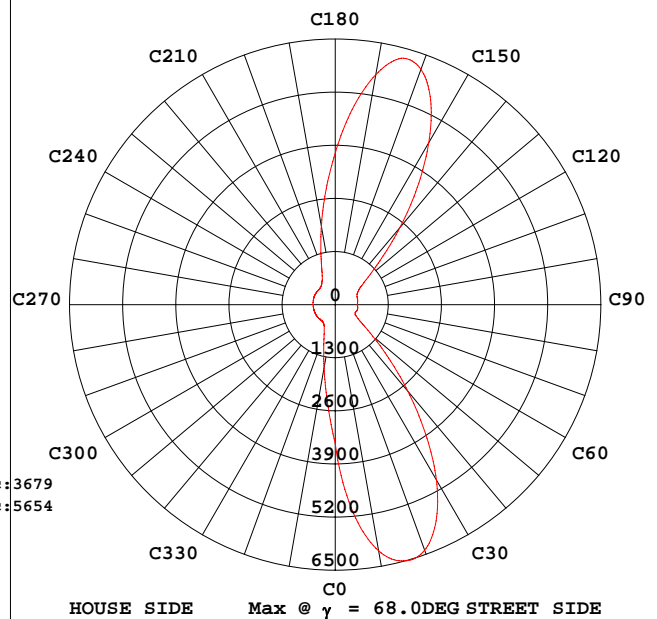


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.4566A P:98.59W PF:0.9848 Freq:49.99Hz Lamp Flux:14819.6x1 lm		
NAME: AOK IK02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-100WiK02-NV-L3-00-5070-T221-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 150.32 lm/W			
MODEL	3030	I _{max} (cd)	6489	η street_up(%)	0.0
NOMINAL POWER(W)	100	LOR(%)	100.0	η street_down(%)	67.9
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	14820	η house_up(%)	0.0
NOMINAL FLUX(lm)	14819.6	MAXIMUM @(C,γ)	15,68.0	η house_down(%)	32.1
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	19.594

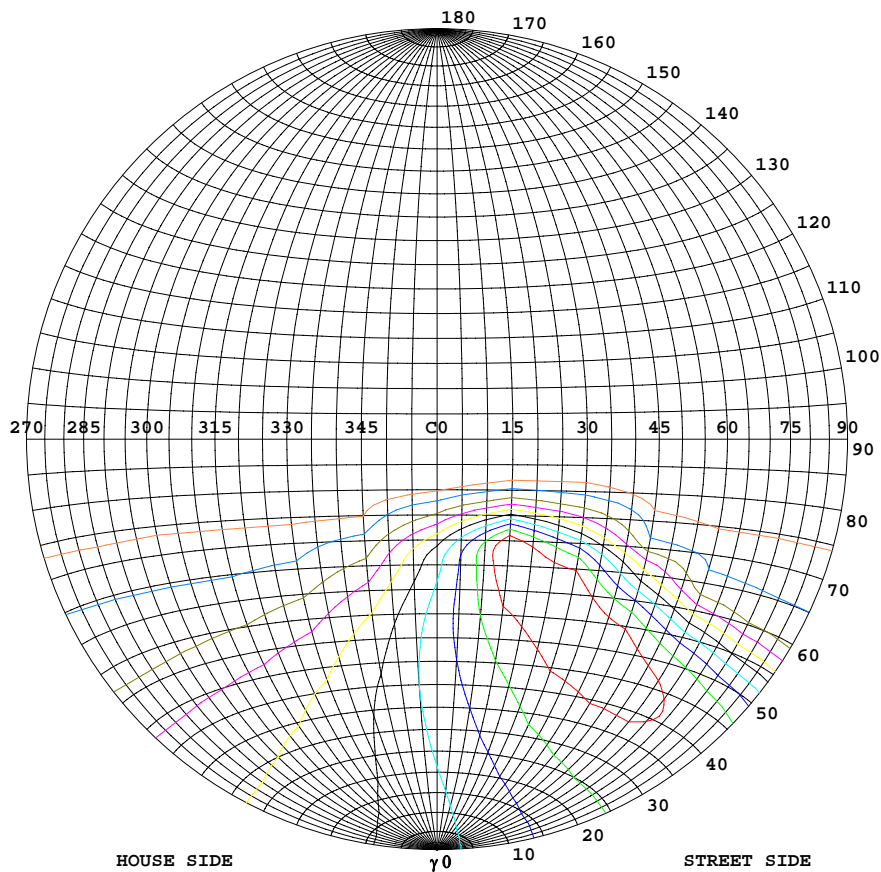
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-08-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.802m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.2V I:0.4566A P:98.59W PF:0.9848 Freq:49.99Hz Lamp Flux:14819.6x1 lm		
NAME: AOK IK02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-100WiK02-NV-L3-00-5070-T221-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:



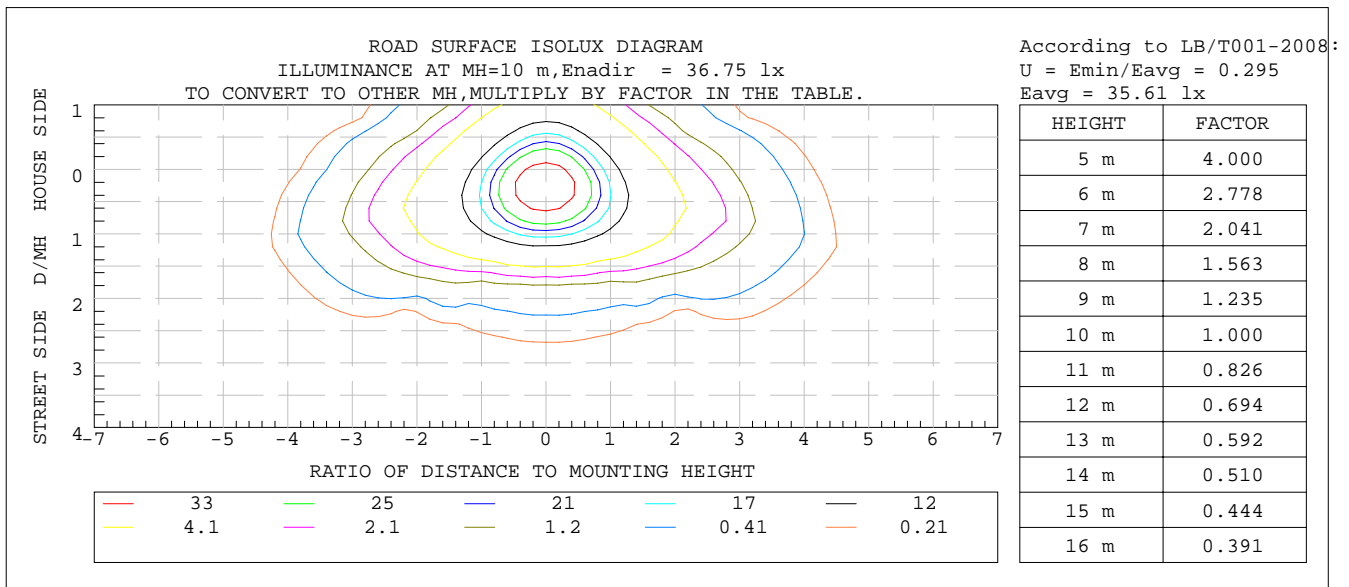
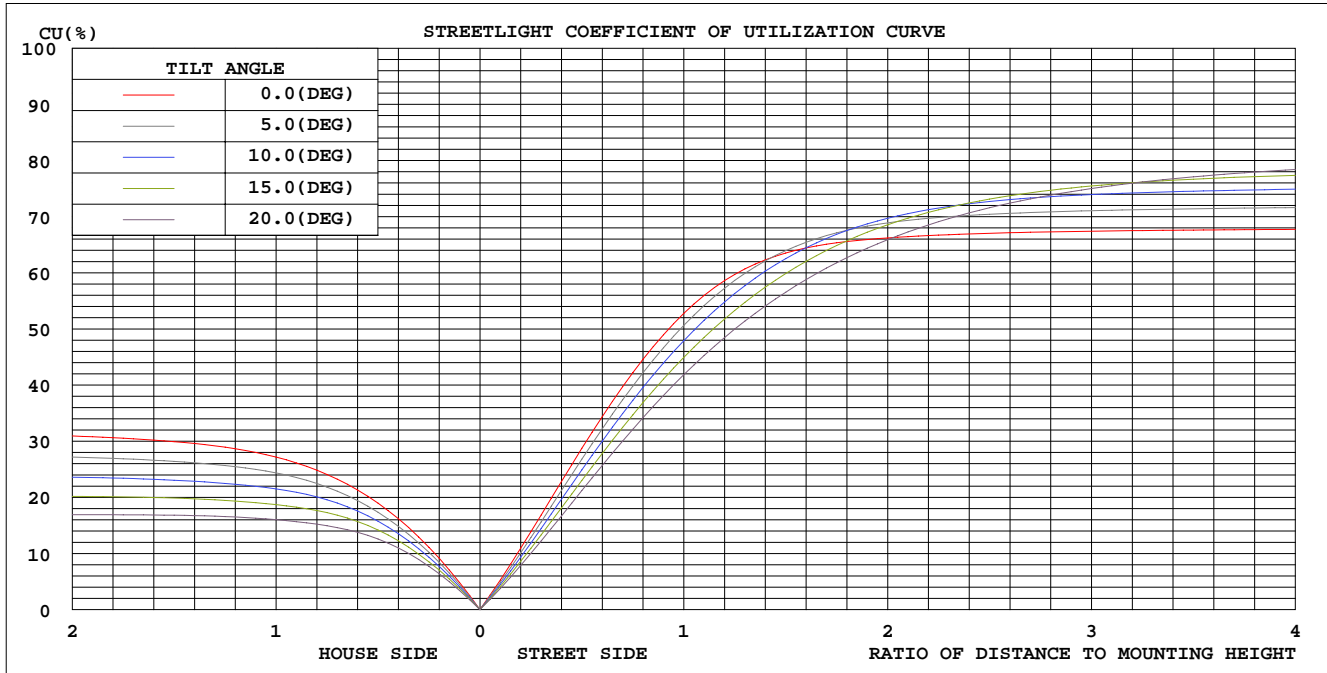
Classification:

IES:Type II - Medium
 CIE:Average - Intermediate
 IES:Full cut-off
 CIE:Semi-cut-off
 Max.At80:81.96cd/klm
 Max.At90:0cd/klm
 Max.80-90:81.96cd/klm
 NRB 5101:Limited[5.9%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6489
90%	5840
80%	5191
70%	4543
60%	3894
50%	3245
40%	2596
30%	1947
20%	1298
10%	649
5%	324

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-08-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.802m [K=1.0000]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-08-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.802m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.2V I:0.4566A P:98.59W PF:0.9848 Freq:49.99Hz Lamp Flux:14819.6x1 lm		
NAME: AOK IK02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-100WiK02-NV-L3-00-5070-T221-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

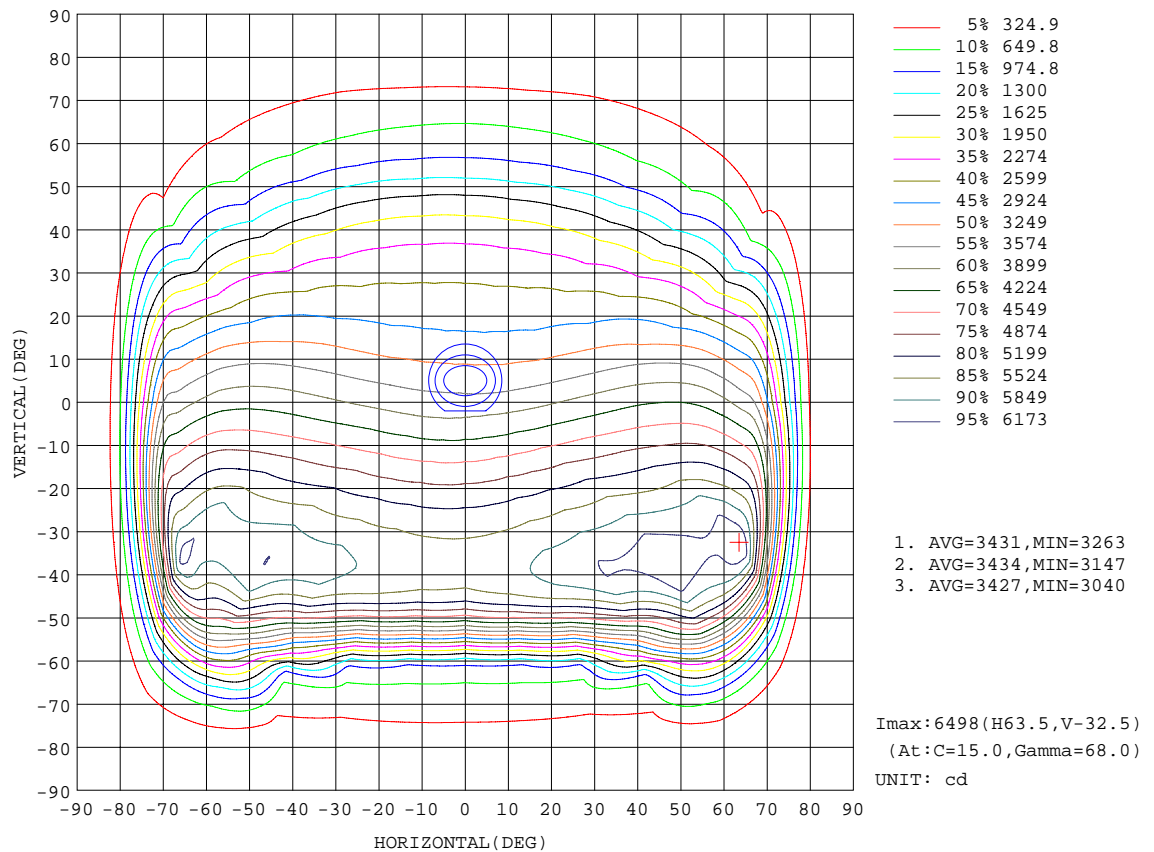
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
10	3738	4167	4303	4138	3704	3339	3186	3333	0- 10	354.6	354.6	2.39,2.39
20	3865	4736	4937	4648	3799	3042	2794	3021	10- 20	1078	1432	9.66,9.66
30	4025	5324	5452	5214	3921	2764	2523	2746	20- 30	1821	3253	22,22
40	4172	5874	5639	5744	4044	2420	2124	2361	30- 40	2537	5790	39.1,39.1
50	4212	6176	4389	5970	4116	1875	1461	1759	40- 50	3054	8844	59.7,59.7
60	3963	4557	1168	4383	3977	1019	805.7	914.0	50- 60	2896	11740	79.2,79.2
70	2956	1039	466.8	881.9	3563	477.8	464.8	448.6	60- 70	2067	13807	93.2,93.2
80	292.3	186.3	127.7	220.3	627.5	128.4	43.06	97.28	70- 80	929.8	14737	99.4,99.4
90	0	0	0	0	0	0	0	0	80- 90	82.89	14820	100,100
100	0	0	0	0	0	0	0	0	90-100	0	14820	100,100
110	0	0	0	0	0	0	0	0	100-110	0	14820	100,100
120	0	0	0	0	0	0	0	0	110-120	0	14820	100,100
130	0	0	0	0	0	0	0	0	120-130	0	14820	100,100
140	0	0	0	0	0	0	0	0	130-140	0	14820	100,100
150	0	0	0	0	0	0	0	0	140-150	0	14820	100,100
160	0	0	0	0	0	0	0	0	150-160	0	14820	100,100
170	0	0	0	0	0	0	0	0	160-170	0	14820	100,100
180	0	0	0	0	0	0	0	0	170-180	0	14820	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-08-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.802m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

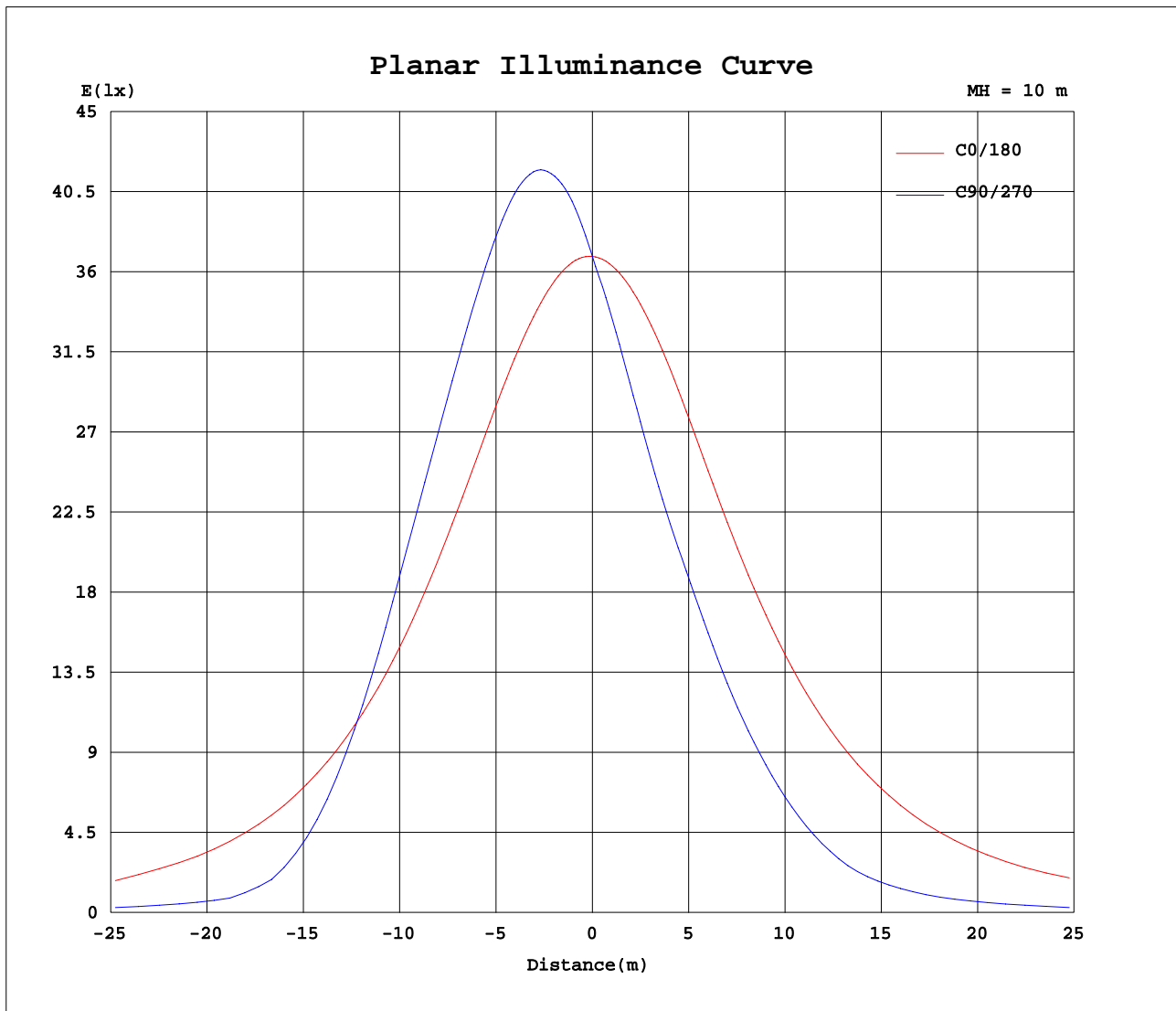
Test:U:219.2V I:0.4566A P:98.59W PF:0.9848 Freq:49.99Hz Lamp Flux:14819.6x1 lm		
NAME: AOK IK02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-100WiK02-NV-L3-00-5070-T221-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-08-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.802m [K=1.0000]
Remarks:

Planar Illuminance Curve



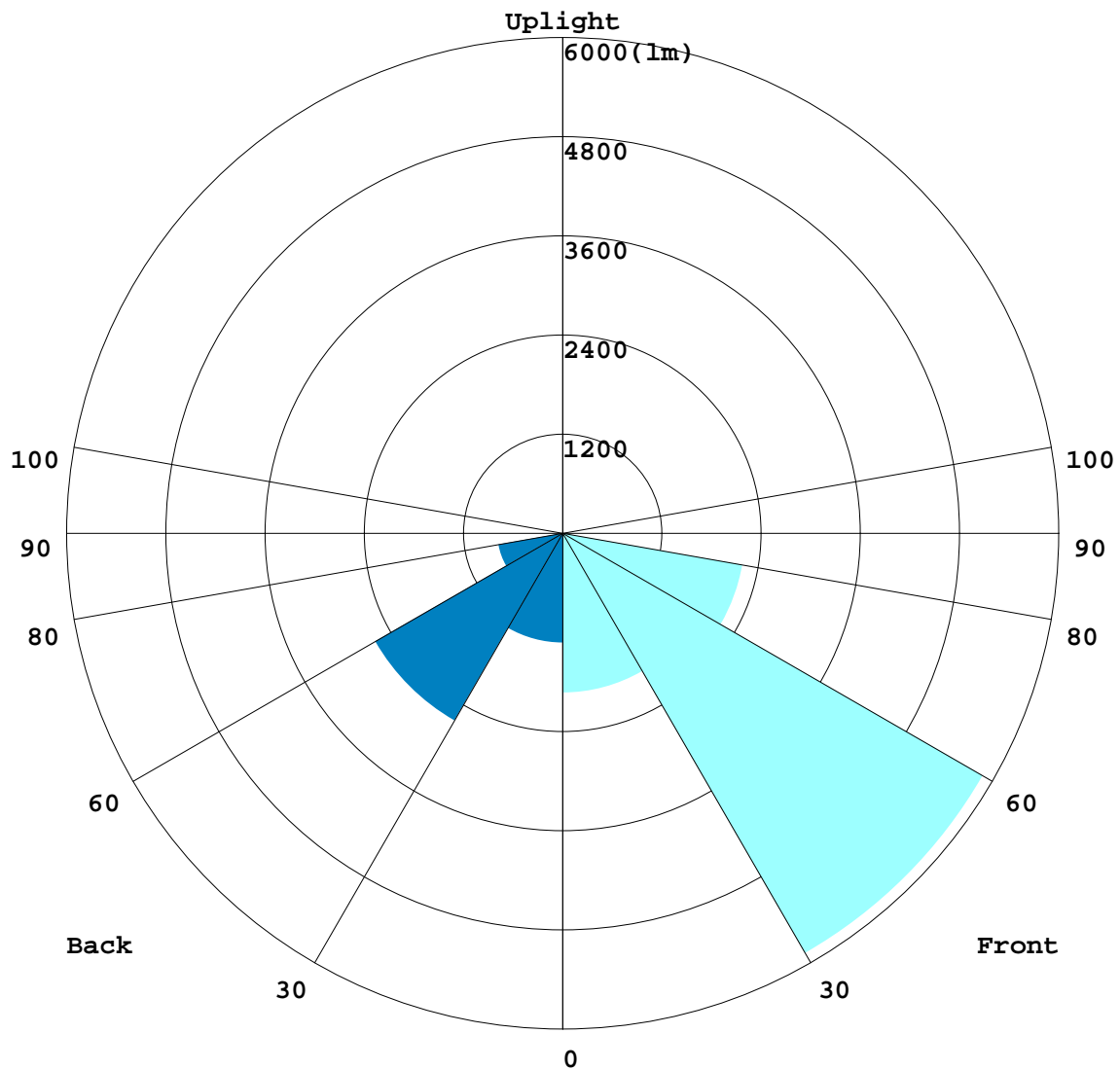
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-08-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.802m [K=1.0000]
Remarks:

LCS REPORT

Test:U:219.2V I:0.4566A P:98.59W PF:0.9848 Freq:49.99Hz Lamp Flux:14819.6x1 lm		
NAME: AOK IK02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-100WiK02-NV-L3-00-5070-T221-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-08-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.802m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:219.2V I:0.4566A P:98.59W PF:0.9848 Freq:49.99Hz Lamp Flux:14819.6x1 lm		
NAME: AOK IK02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-100WiK02-NV-L3-00-5070-T221-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1928.1	13.0
FM - Front-Medium(30-60)	5867.2	39.6
FH - Front-High(60-80)	2207.5	14.9
FVH - Front-Very High(80-90)	58.986	0.4
Total Forward Light	10062	67.9

BL - Back-Low(0-30)	1325.1	8.9
BM - Back-Medium(30-60)	2619.2	17.7
BH - Back-High(60-80)	789.56	5.3
BVH - Back-Very High(80-90)	23.903	0.2
Total Back Light	4757.7	32.1

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B3-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4757.7	0	4757.7
Street Side	10062	0	10062

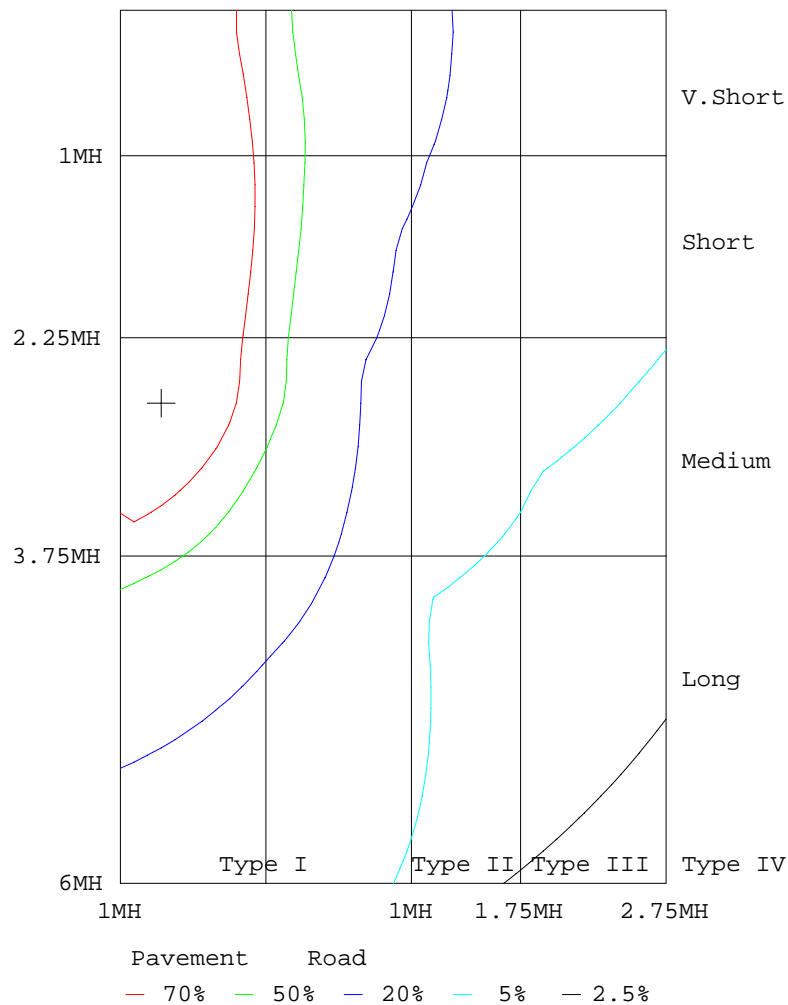
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-08-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.802m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.2V I:0.4566A P:98.59W PF:0.9848 Freq:49.99Hz Lamp Flux:14819.6x1 lm		
NAME: AOK IK02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-100WiK02-NV-L3-00-5070-T221-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-08-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.802m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:0.4566A P:98.59W PF:0.9848 Freq:49.99Hz Lamp Flux:14819.6x1 lm		
NAME: AOK IK02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-100WiK02-NV-L3-00-5070-T221-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	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	3680	3680	3680	3680	3680	3680	3680	3680	3680	3680	3680	3680	3680	3680	3680	3680	3680	3680	3680
5	3700	3776	3853	3913	3959	3985	3992	3981	3950	3900	3836	3760	3682	3613	3551	3501	3459	3434	3425
10	3738	3901	4051	4167	4248	4294	4303	4281	4225	4138	4020	3868	3704	3568	3446	3339	3256	3204	3186
15	3793	4047	4273	4441	4558	4612	4622	4587	4509	4385	4222	4001	3745	3539	3345	3184	3068	3000	2974
20	3865	4211	4512	4736	4875	4934	4937	4899	4807	4648	4431	4153	3799	3512	3244	3042	2900	2822	2794
25	3946	4388	4769	5032	5176	5225	5220	5190	5101	4927	4662	4308	3858	3480	3141	2902	2752	2682	2664
30	4025	4566	5034	5324	5453	5478	5452	5442	5376	5214	4913	4466	3921	3447	3037	2764	2614	2552	2523
35	4103	4750	5300	5603	5699	5675	5615	5632	5618	5489	5169	4636	3982	3403	2920	2615	2463	2376	2340
40	4172	4947	5577	5874	5884	5761	5639	5700	5783	5744	5443	4829	4044	3329	2760	2420	2259	2169	2124
45	4208	5157	5866	6116	5895	5567	5338	5491	5775	5949	5730	5040	4093	3215	2534	2181	2013	1893	1835
50	4212	5406	6173	6176	5458	4766	4389	4680	5336	5970	6019	5299	4116	3030	2239	1875	1673	1526	1461
55	4141	5712	6408	5760	4214	3199	2768	3168	4121	5568	6197	5601	4089	2755	1864	1467	1259	1121	1069
60	3963	6015	6396	4557	2347	1398	1168	1396	2335	4383	6116	5937	3977	2346	1397	1019	886	826	806
65	3717	6329	5763	2857	857	685	650	694	861	2699	5400	6143	3799	1790	891	682	648	640	639
70	2956	6205	4147	1039	522	478	467	491	549	882	3866	6380	3563	1090	521	478	488	475	465
75	1365	3412	1955	424	307	301	295	315	333	452	2184	4215	2142	452	315	304	295	255	228
80	292	720	541	186	139	135	128	145	162	220	643	1215	627	187	154	128	109	64.0	43.1
85	43.6	79.2	84.7	47.0	34.0	35.1	34.9	41.1	46.6	63.8	135	182	107	56.4	40.5	26.1	15.3	4.49	0.71
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:2020-08-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.802m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:0.4566A P:98.59W PF:0.9848 Freq:49.99Hz Lamp Flux:14819.6x1 lm		
NAME: AOK IK02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-100WiK02-NV-L3-00-5070-T221-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	3680	3680	3680	3680	3680														
5	3436	3462	3505	3559	3624														
10	3204	3252	3333	3447	3582														
15	2994	3057	3171	3341	3552														
20	2816	2884	3021	3232	3523														
25	2676	2738	2877	3127	3493														
30	2533	2598	2746	3016	3457														
35	2349	2422	2576	2889	3408														
40	2134	2207	2361	2718	3325														
45	1846	1935	2103	2469	3180														
50	1467	1573	1759	2142	2958														
55	1071	1159	1334	1725	2635														
60	800	834	914	1223	2149														
65	630	626	630	761	1507														
70	455	465	449	462	825														
75	229	261	265	278	320														
80	47.2	83.9	97.3	120	140														
85	3.27	9.22	15.5	21.9	33.7														
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:2020-08-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.802m [K=1.0000]
Remarks: