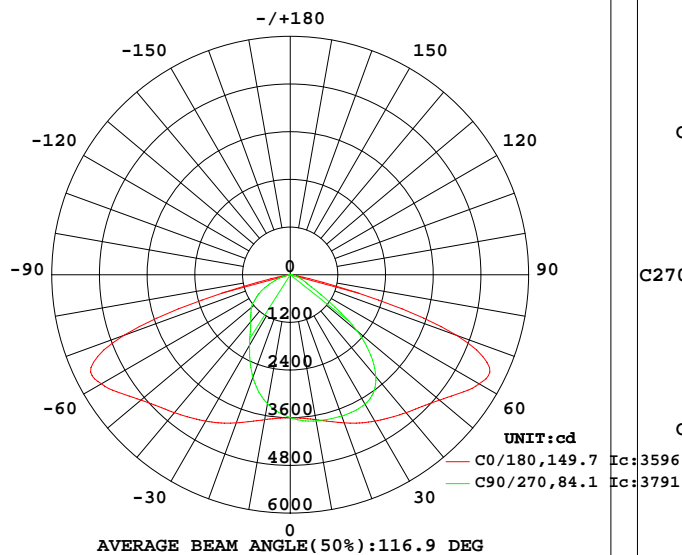
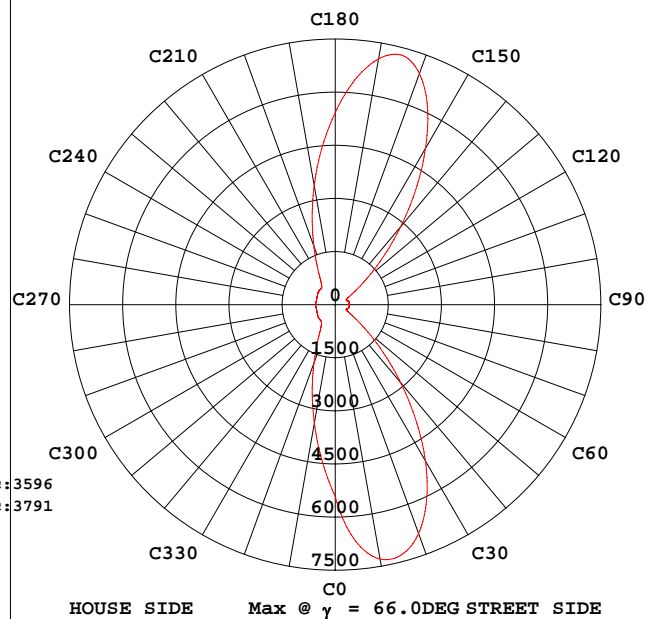


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.4582A P:98.96W PF:0.9853 Freq:50.18Hz Lamp Flux:13698.7x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:3KG
SPEC.:AOK-100WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 138.43 lm/W			
MODEL	3030	I _{max} (cd)	7296	η street_up(%)	0.0
NOMINAL POWER(W)	100	LOR(%)	100.0	η street_down(%)	62.2
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	13699	η house_up(%)	0.0
NOMINAL FLUX(lm)	13698.7	MAXIMUM @(C,γ)	165,66.0	η house_down(%)	37.8
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	19.134

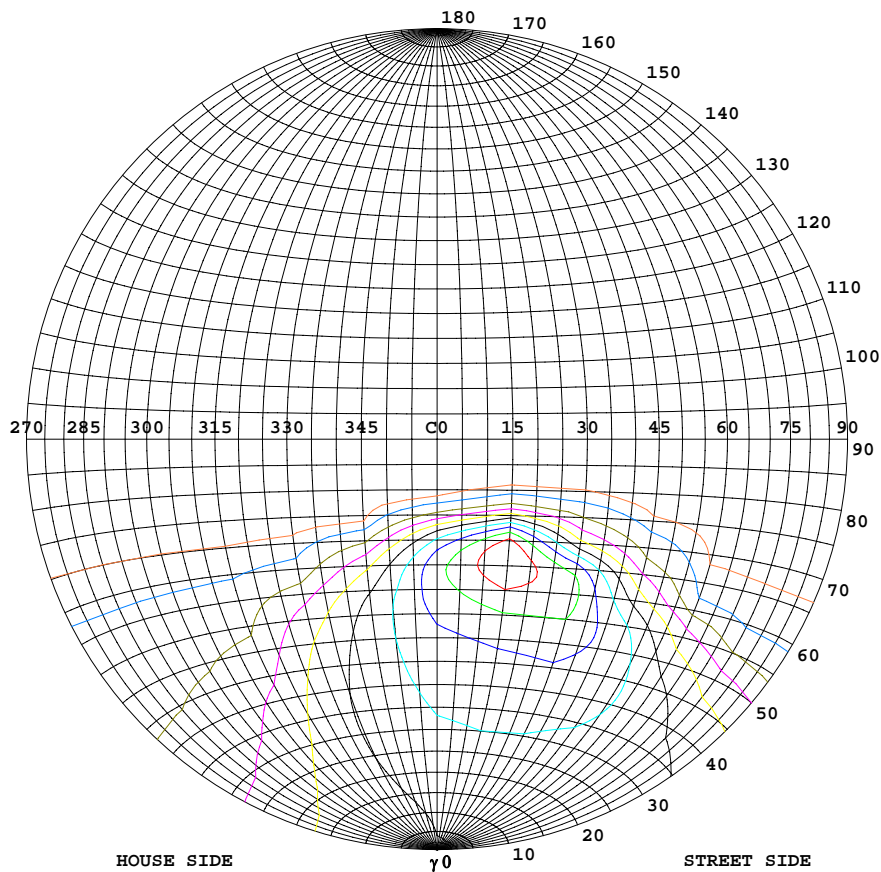
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.2V I:0.4582A P:98.96W PF:0.9853 Freq:50.18Hz Lamp Flux:13698.7x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:3KG
SPEC.:AOK-100WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:



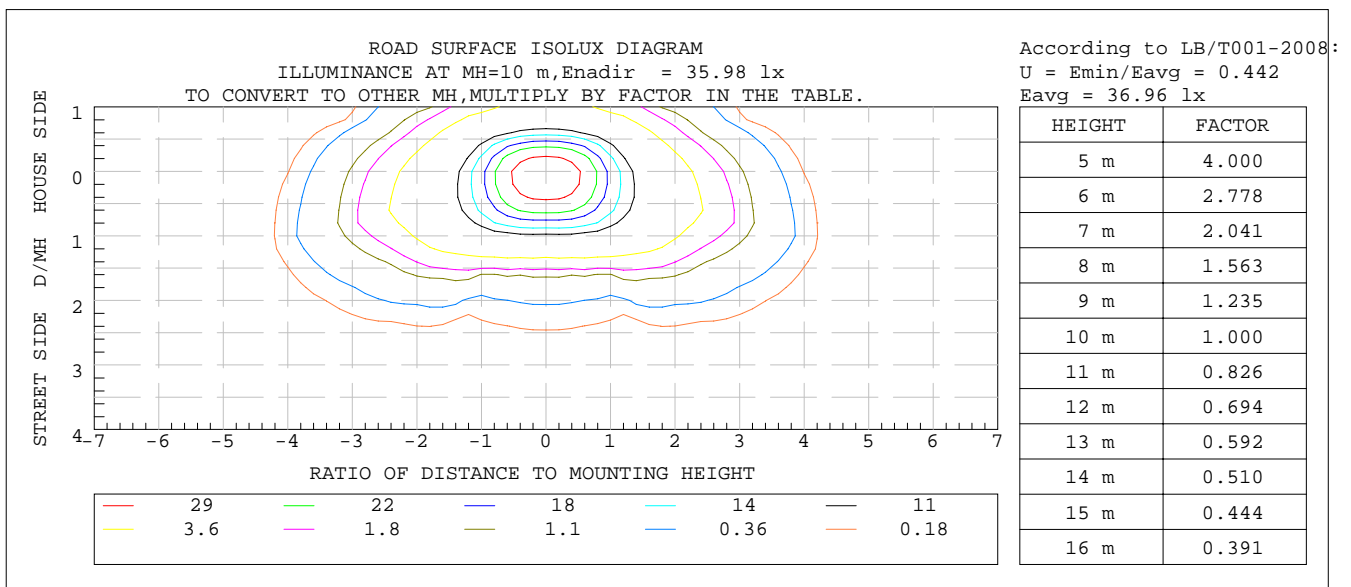
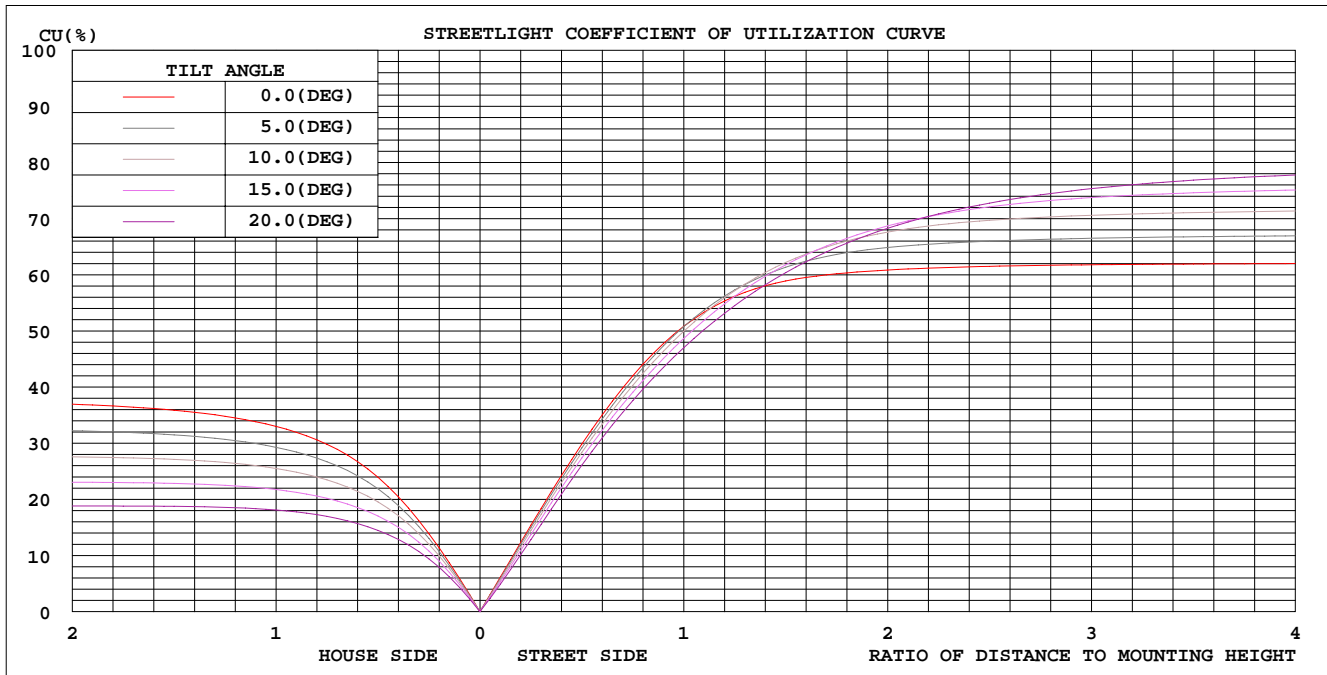
Classification:

IES:Type II - Short
 CIE:Narrow - Intermediate
 IES:Full cut-off
 CIE:Semi-cut-off
 Max.At80:40.08cd/klm
 Max.At90:0cd/klm
 Max.80-90:40.08cd/klm
 NRB 5101:Semi limited[17.8%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7296
90%	6567
80%	5837
70%	5108
60%	4378
50%	3648
40%	2919
30%	2189
20%	1459
10%	730
5%	365

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [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: 2020-12-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.2V I:0.4582A P:98.96W PF:0.9853 Freq:50.18Hz Lamp Flux:13698.7x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:3KG
SPEC.:AOK-100WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

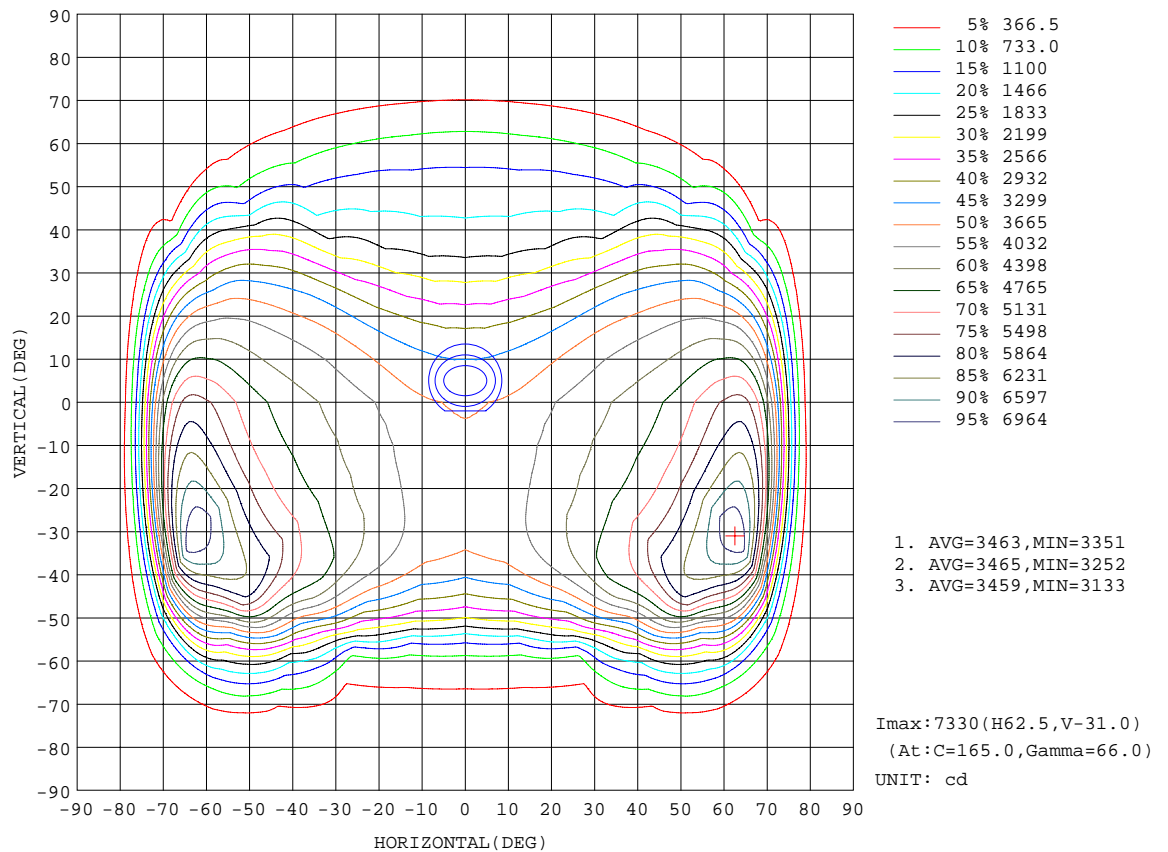
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
10	3704	3766	3734	3766	3704	3455	3297	3455	0- 10	344.1	344.1	2.51,2.51
20	3968	3968	3784	3968	3968	3265	2748	3265	10- 20	1025	1369	9.99,9.99
30	4254	4241	3761	4241	4254	2936	2052	2936	20- 30	1669	3038	22.2,22.2
40	4532	4589	3350	4589	4532	2422	1550	2422	30- 40	2230	5267	38.5,38.5
50	4907	4765	2189	4765	4907	1673	1276	1673	40- 50	2636	7903	57.7,57.7
60	5489	3400	618.1	3400	5489	1047	872.5	1047	50- 60	2714	10617	77.5,77.5
70	4445	1163	282.2	1163	4445	381.2	373.2	381.2	60- 70	2225	12843	93.8,93.8
80	218.3	125.4	80.08	125.4	218.3	67.00	34.88	67.00	70- 80	810.9	13654	99.7,99.7
90	0	0	0	0	0	0	0	0	80- 90	45.11	13699	100,100
100	0	0	0	0	0	0	0	0	90-100	0	13699	100,100
110	0	0	0	0	0	0	0	0	100-110	0	13699	100,100
120	0	0	0	0	0	0	0	0	110-120	0	13699	100,100
130	0	0	0	0	0	0	0	0	120-130	0	13699	100,100
140	0	0	0	0	0	0	0	0	130-140	0	13699	100,100
150	0	0	0	0	0	0	0	0	140-150	0	13699	100,100
160	0	0	0	0	0	0	0	0	150-160	0	13699	100,100
170	0	0	0	0	0	0	0	0	160-170	0	13699	100,100
180	0	0	0	0	0	0	0	0	170-180	0	13699	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:2020-12-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

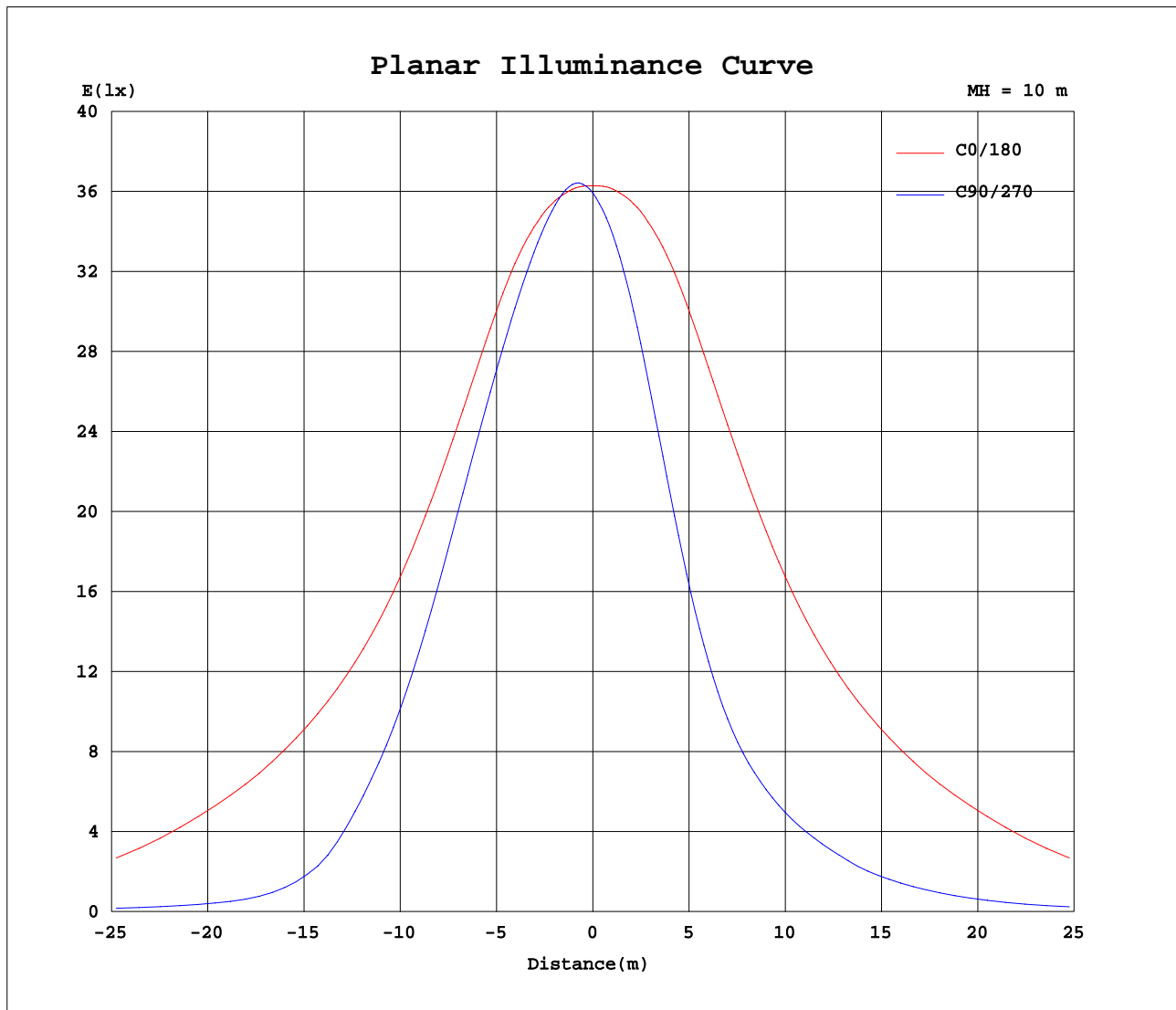
Test:U:219.2V I:0.4582A P:98.96W PF:0.9853 Freq:50.18Hz Lamp Flux:13698.7x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:3KG
SPEC.:AOK-100WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-12-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

Planar Illuminance Curve



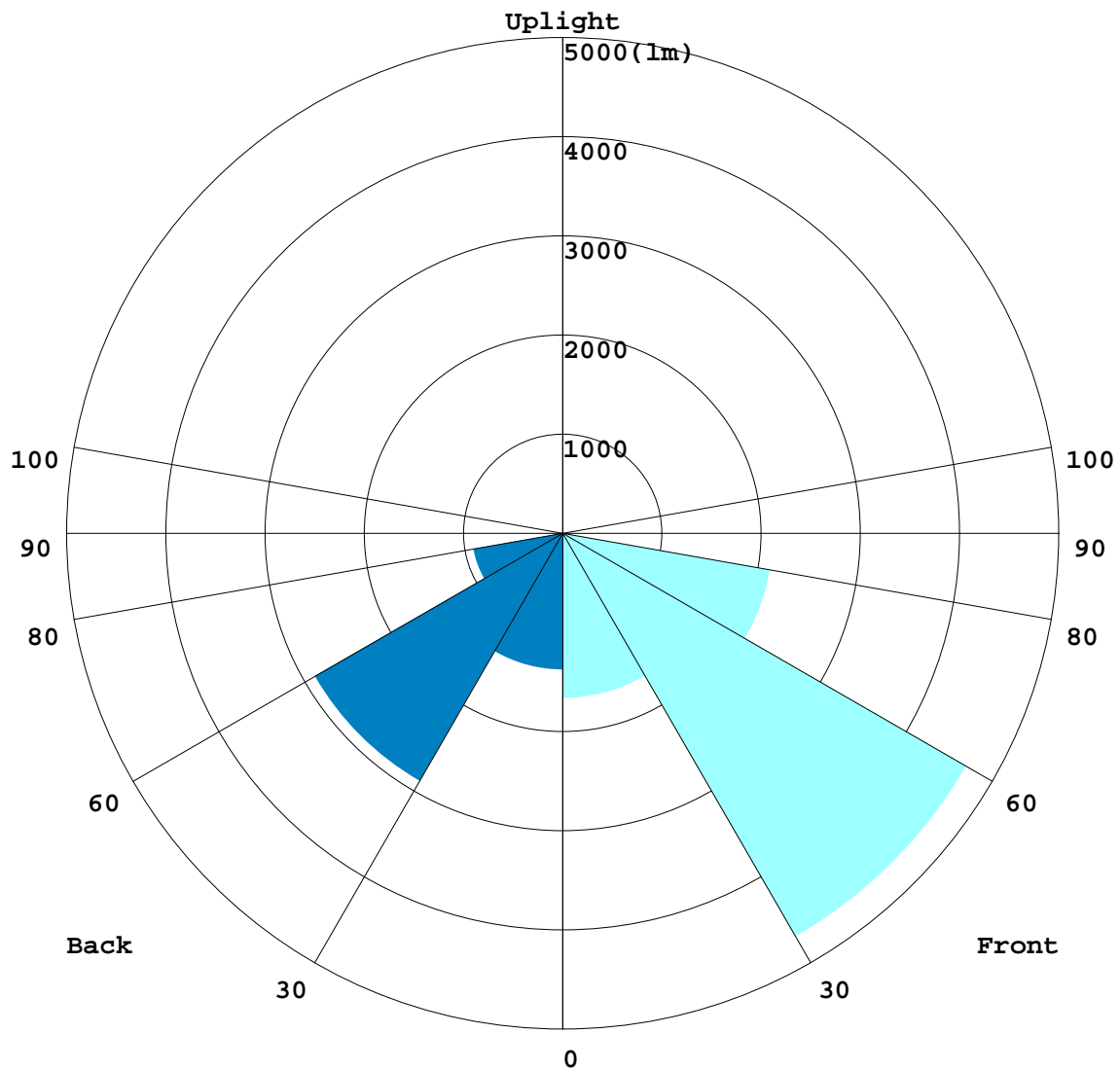
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-12-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

LCS REPORT

Test:U:219.2V I:0.4582A P:98.96W PF:0.9853 Freq:50.18Hz Lamp Flux:13698.7x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:3KG
SPEC.:AOK-100WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	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:2020-12-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

BUG REPORT

Test:U:219.2V I:0.4582A P:98.96W PF:0.9853 Freq:50.18Hz Lamp Flux:13698.7x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:3KG
SPEC.:AOK-100WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1663.1	12.1
FM - Front-Medium(30-60)	4696.5	34.3
FH - Front-High(60-80)	2122.1	15.5
FVH - Front-Very High(80-90)	32.604	0.2
Total Forward Light	8514.3	62.2

BL - Back-Low(0-30)	1374.5	10.0
BM - Back-Medium(30-60)	2883.3	21.0
BH - Back-High(60-80)	914.01	6.7
BVH - Back-Very High(80-90)	12.503	0.1
Total Back Light	5184.4	37.8

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	5184.4	0	5184.4
Street Side	8514.3	0	8514.3

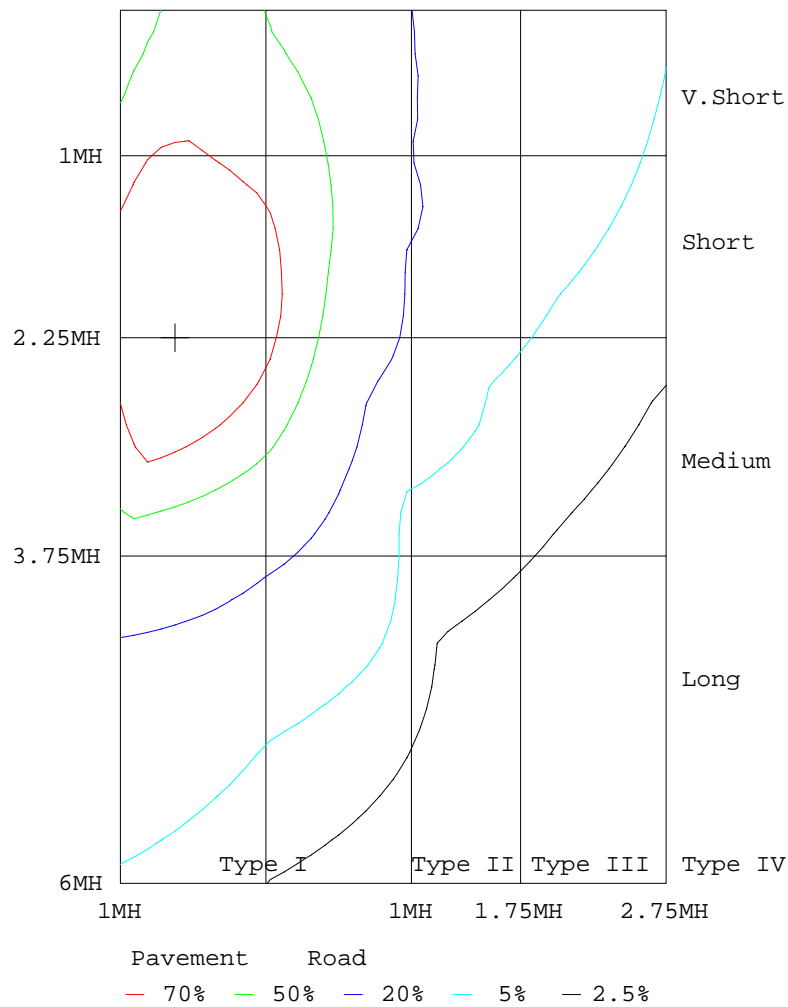
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-12-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.2V I:0.4582A P:98.96W PF:0.9853 Freq:50.18Hz Lamp Flux:13698.7x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:3KG
SPEC.:AOK-100WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	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:2020-12-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:0.4582A P:98.96W PF:0.9853 Freq:50.18Hz Lamp Flux:13698.7x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:3KG
SPEC.:AOK-100WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	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	3596	3596	3596	3596	3596	3596	3596	3596	3596	3596	3596	3596	3596	3596	3596	3596	3596	3596	3596
5	3628	3651	3669	3680	3687	3688	3687	3688	3687	3680	3669	3651	3628	3594	3558	3523	3495	3475	3470
10	3704	3747	3766	3766	3757	3743	3734	3743	3757	3766	3766	3747	3704	3630	3543	3455	3374	3314	3297
15	3823	3879	3889	3860	3818	3784	3762	3784	3818	3860	3889	3879	3823	3703	3548	3373	3213	3089	3057
20	3968	4038	4031	3968	3885	3818	3784	3818	3885	3968	4031	4038	3968	3798	3553	3265	3000	2802	2748
25	4117	4200	4180	4095	3962	3844	3790	3844	3962	4095	4180	4200	4117	3906	3560	3117	2735	2465	2398
30	4254	4349	4340	4241	4041	3842	3761	3842	4041	4241	4340	4349	4254	3997	3548	2936	2439	2129	2052
35	4389	4501	4511	4407	4098	3776	3641	3776	4098	4407	4511	4501	4389	4076	3510	2712	2125	1822	1756
40	4532	4677	4724	4589	4075	3558	3350	3558	4075	4589	4724	4677	4532	4126	3413	2422	1814	1595	1550
45	4691	4899	5008	4738	3861	3124	2867	3124	3861	4738	5008	4899	4691	4140	3238	2059	1593	1442	1403
50	4907	5220	5377	4765	3336	2487	2189	2487	3336	4765	5377	5220	4907	4115	2972	1673	1408	1301	1276
55	5201	5737	5814	4412	2518	1492	1212	1492	2518	4412	5814	5737	5201	3990	2540	1360	1200	1091	1077
60	5489	6492	6112	3400	1184	674	618	674	1184	3400	6112	6492	5489	3593	1877	1047	923	871	873
65	5535	7250	5479	2219	497	416	404	416	497	2219	5479	7250	5535	2762	989	674	636	607	616
70	4445	6706	3137	1163	313	291	282	291	313	1163	3137	6706	4445	1346	461	381	373	367	373
75	1706	3240	1463	460	187	176	173	176	187	460	1463	3240	1706	282	223	185	185	169	171
80	218	549	396	125	83.8	82.3	80.1	82.3	83.8	125	396	549	218	107	89.8	67.0	60.0	40.7	34.9
85	33.2	50.5	42.9	25.7	19.5	19.9	19.0	19.9	19.5	25.7	42.9	50.5	33.2	24.5	21.5	12.3	6.51	3.30	1.21
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:2020-12-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:0.4582A P:98.96W PF:0.9853 Freq:50.18Hz Lamp Flux:13698.7x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:3KG
SPEC.:AOK-100WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	3596	3596	3596	3596	3596														
5	3475	3495	3523	3558	3594														
10	3314	3374	3455	3543	3630														
15	3089	3213	3373	3548	3703														
20	2802	3000	3265	3553	3798														
25	2465	2735	3117	3560	3906														
30	2129	2439	2936	3548	3997														
35	1822	2125	2712	3510	4076														
40	1595	1814	2422	3413	4126														
45	1442	1593	2059	3238	4140														
50	1301	1408	1673	2972	4115														
55	1091	1200	1360	2540	3990														
60	871	923	1047	1877	3593														
65	607	636	674	989	2762														
70	367	373	381	461	1346														
75	169	185	185	223	282														
80	40.7	60.0	67.0	89.8	107														
85	3.30	6.51	12.3	21.5	24.5														
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:2020-12-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks: