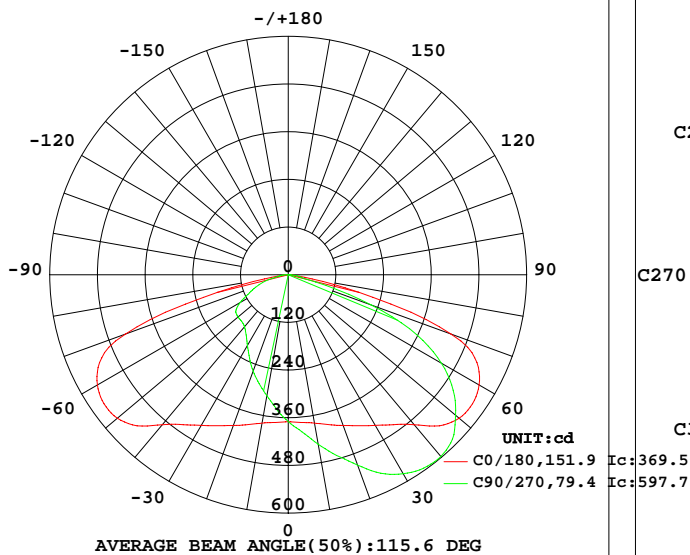
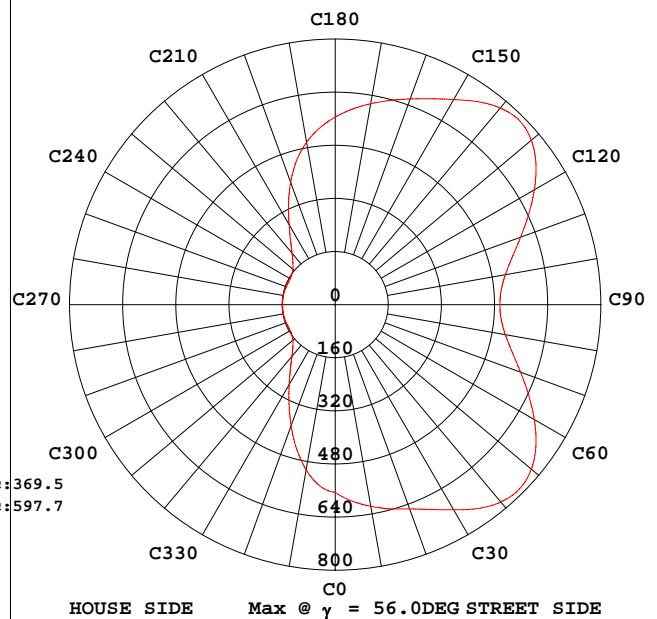


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:42.16V I:0.2360A P:9.950W PF:1.000 Freq:0Hz Lamp Flux:1996.87x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-10WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 200.69 lm/W			
MODEL	5050	I _{max} (cd)	784.8	η street_up(%)	0.0
NOMINAL POWER(W)	10	LOR(%)	100.0	η street_down(%)	69.4
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	1997	η house_up(%)	0.0
NOMINAL FLUX(lm)	1996.87	MAXIMUM @(C,γ)	45,56.0	η house_down(%)	30.6
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	17.406

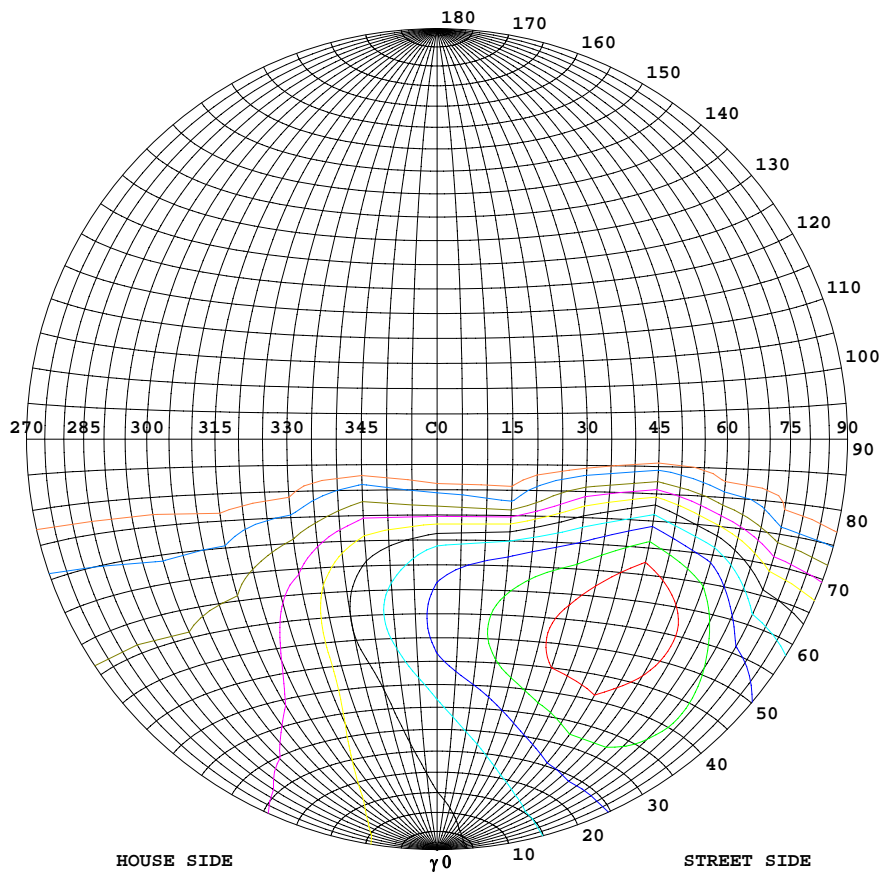
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-08-13

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

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:42.16V I:0.2360A P:9.950W PF:1.000 Freq:0Hz Lamp Flux:1996.87x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-10WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:



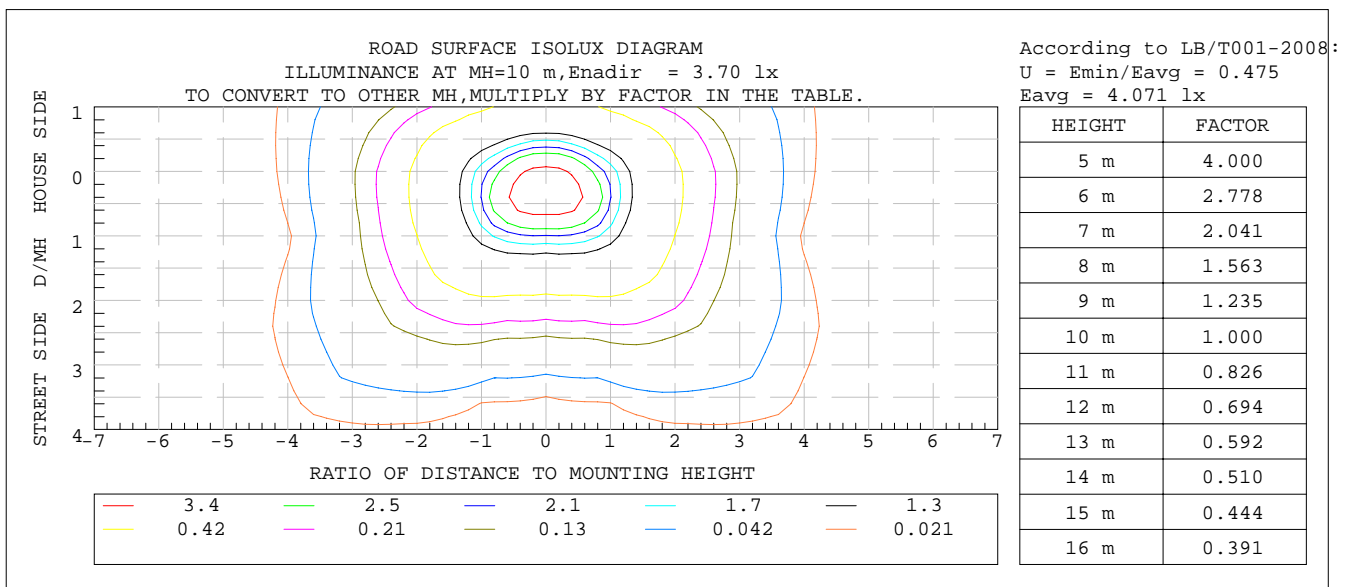
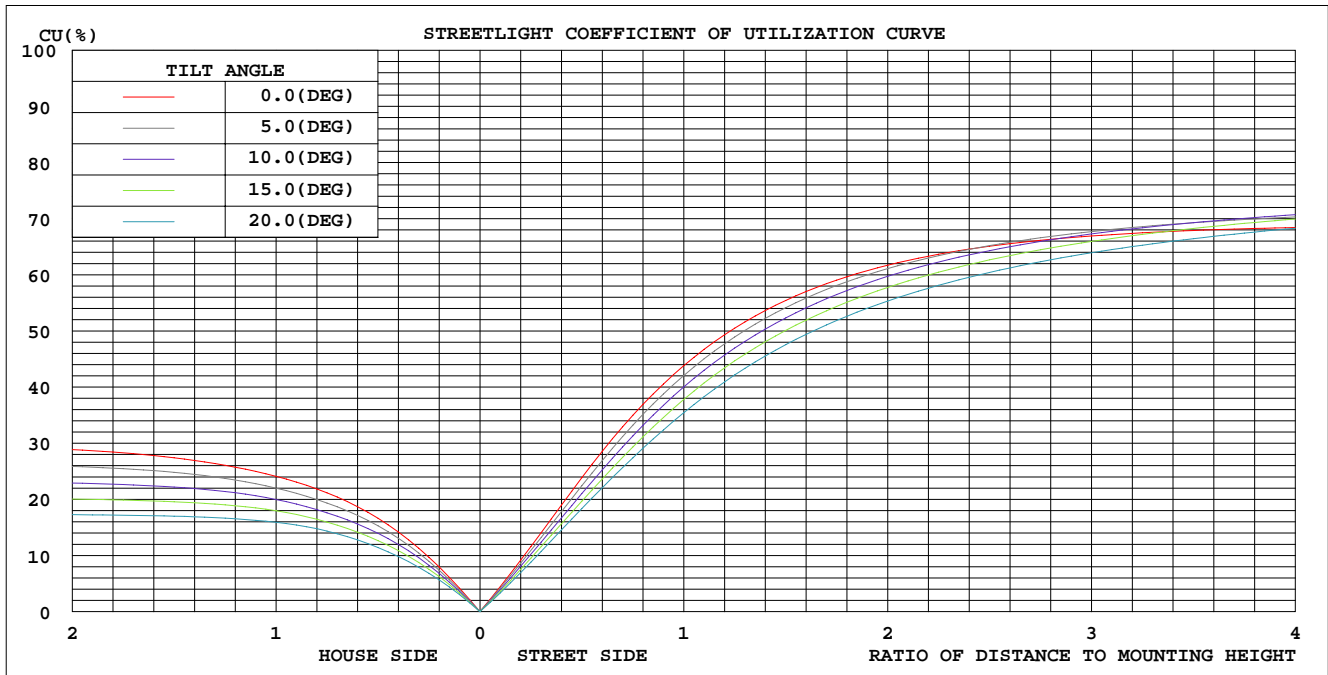
Classification:

IES:Type IV - Short
 CIE:Broad - Short
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:140.2cd/klm
 Max.At90:0cd/klm
 Max.80-90:140.2cd/klm
 NRB 5101:Semi limited[16.1%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	785
90%	706
80%	628
70%	549
60%	471
50%	392
40%	314
30%	235
20%	157
10%	78
5%	39

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.802m [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: 2020-08-13

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

ZONAL FLUX DIAGRAM

Test:U:42.16V I:0.2360A P:9.950W PF:1.000 Freq:0Hz Lamp Flux:1996.87x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-10WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:

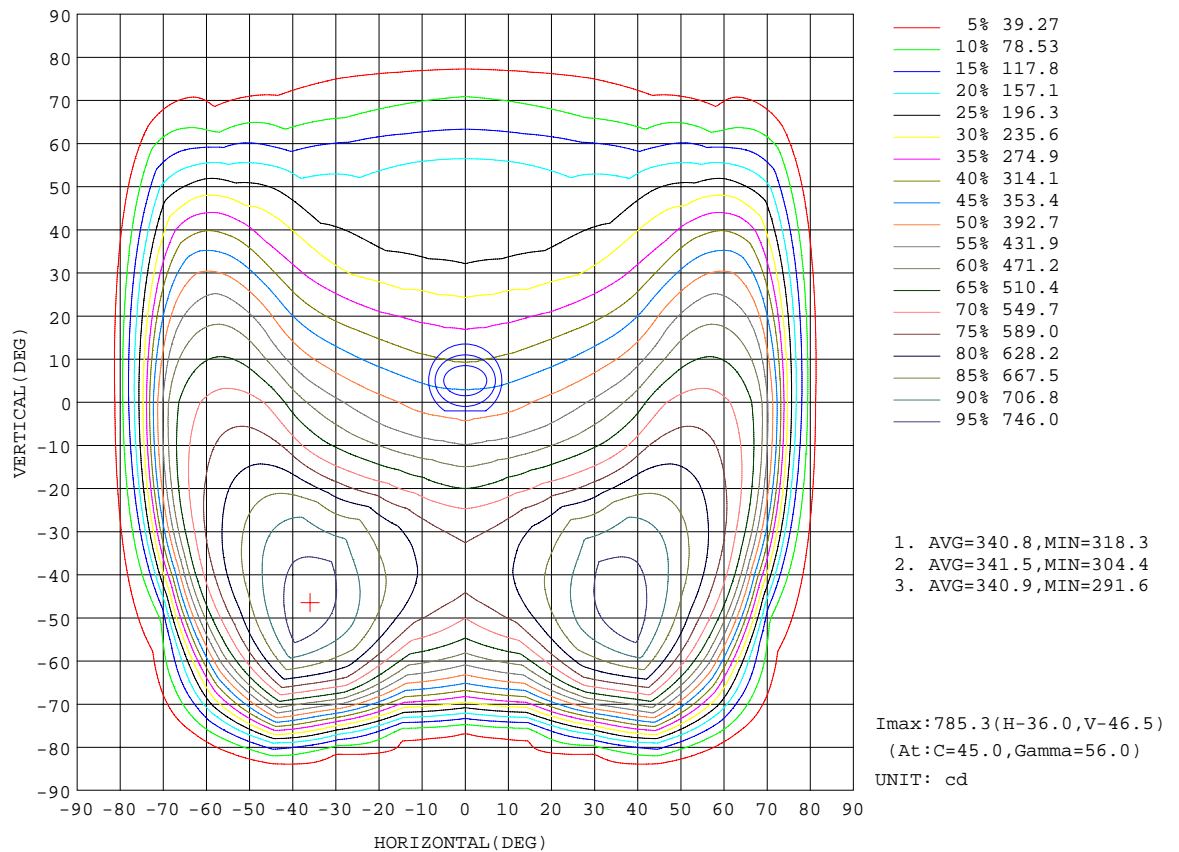
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	379.2	418.8	432.8	418.8	379.2	333.5	309.3	333.5	0- 10	35.57	35.57	1.78,1.78
20	403.8	493.9	509.5	493.9	403.8	302.9	258.4	302.9	10- 20	109.5	145.1	7.27,7.27
30	437.7	597.0	578.0	597.0	437.7	269.5	205.8	269.5	20- 30	190.0	335.1	16.8,16.8
40	492.6	699.3	597.2	699.3	492.6	232.0	171.3	232.0	30- 40	274.5	609.6	30.5,30.5
50	561.5	767.1	549.8	767.1	561.5	201.2	165.3	201.2	40- 50	357.4	967.0	48.4,48.4
60	554.3	776.7	444.9	776.7	554.3	162.6	139.9	162.6	50- 60	411.2	1378	69,69
70	435.8	655.4	221.7	655.4	435.8	81.99	82.93	81.99	60- 70	384.3	1763	88.3,88.3
80	61.01	279.9	29.37	279.9	61.01	26.45	25.31	26.45	70- 80	205.3	1968	98.5,98.5
90	0	0	0	0	0	0	0	0	80- 90	29.08	1997	100,100
100	0	0	0	0	0	0	0	0	90-100	0	1997	100,100
110	0	0	0	0	0	0	0	0	100-110	0	1997	100,100
120	0	0	0	0	0	0	0	0	110-120	0	1997	100,100
130	0	0	0	0	0	0	0	0	120-130	0	1997	100,100
140	0	0	0	0	0	0	0	0	130-140	0	1997	100,100
150	0	0	0	0	0	0	0	0	140-150	0	1997	100,100
160	0	0	0	0	0	0	0	0	150-160	0	1997	100,100
170	0	0	0	0	0	0	0	0	160-170	0	1997	100,100
180	0	0	0	0	0	0	0	0	170-180	0	1997	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:2020-08-13

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

ISOCANDELA DIAGRAM

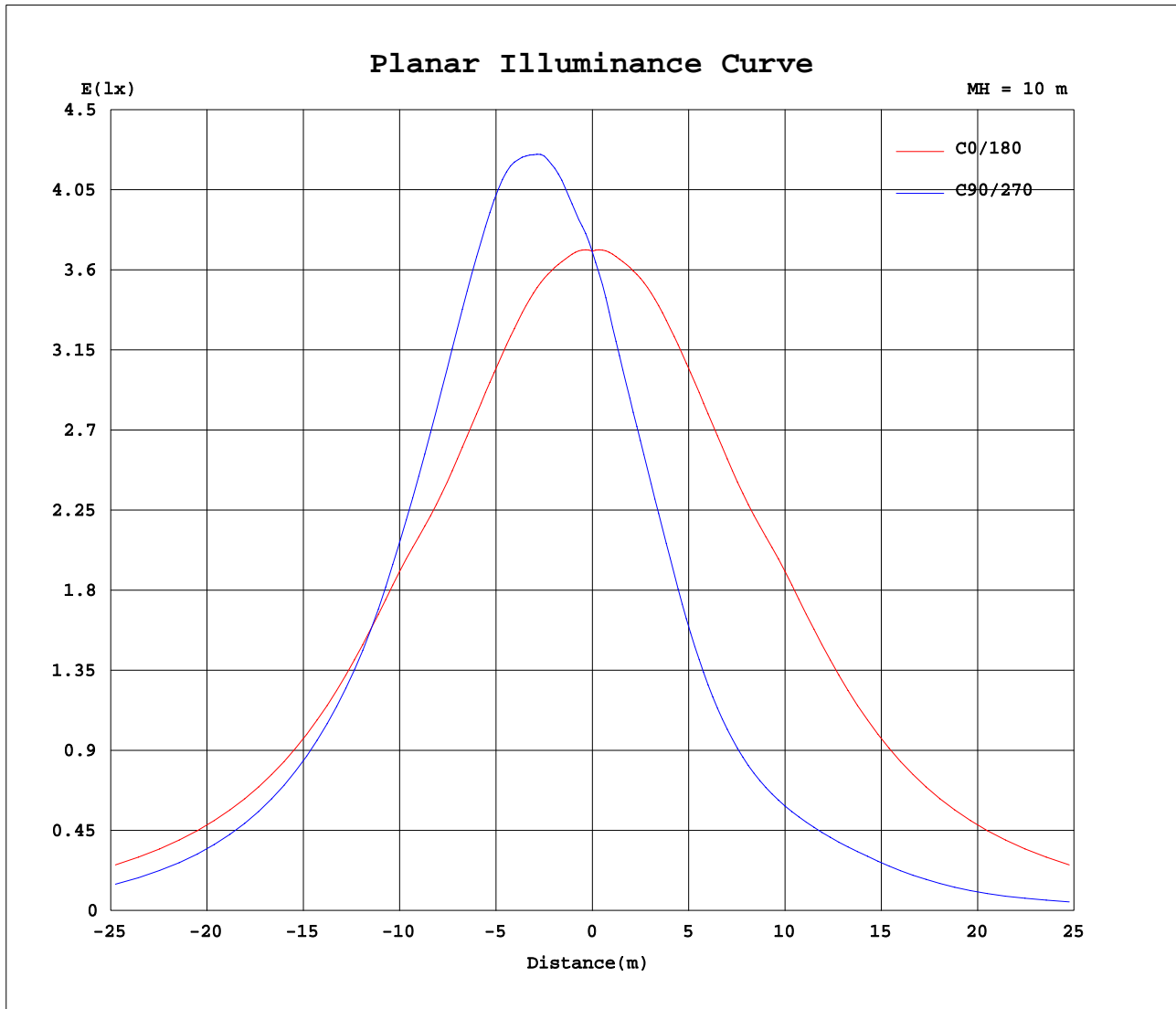
Test:U:42.16V I:0.2360A P:9.950W PF:1.000 Freq:0Hz Lamp Flux:1996.87x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-10WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-08-13

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

Planar Illuminance Curve



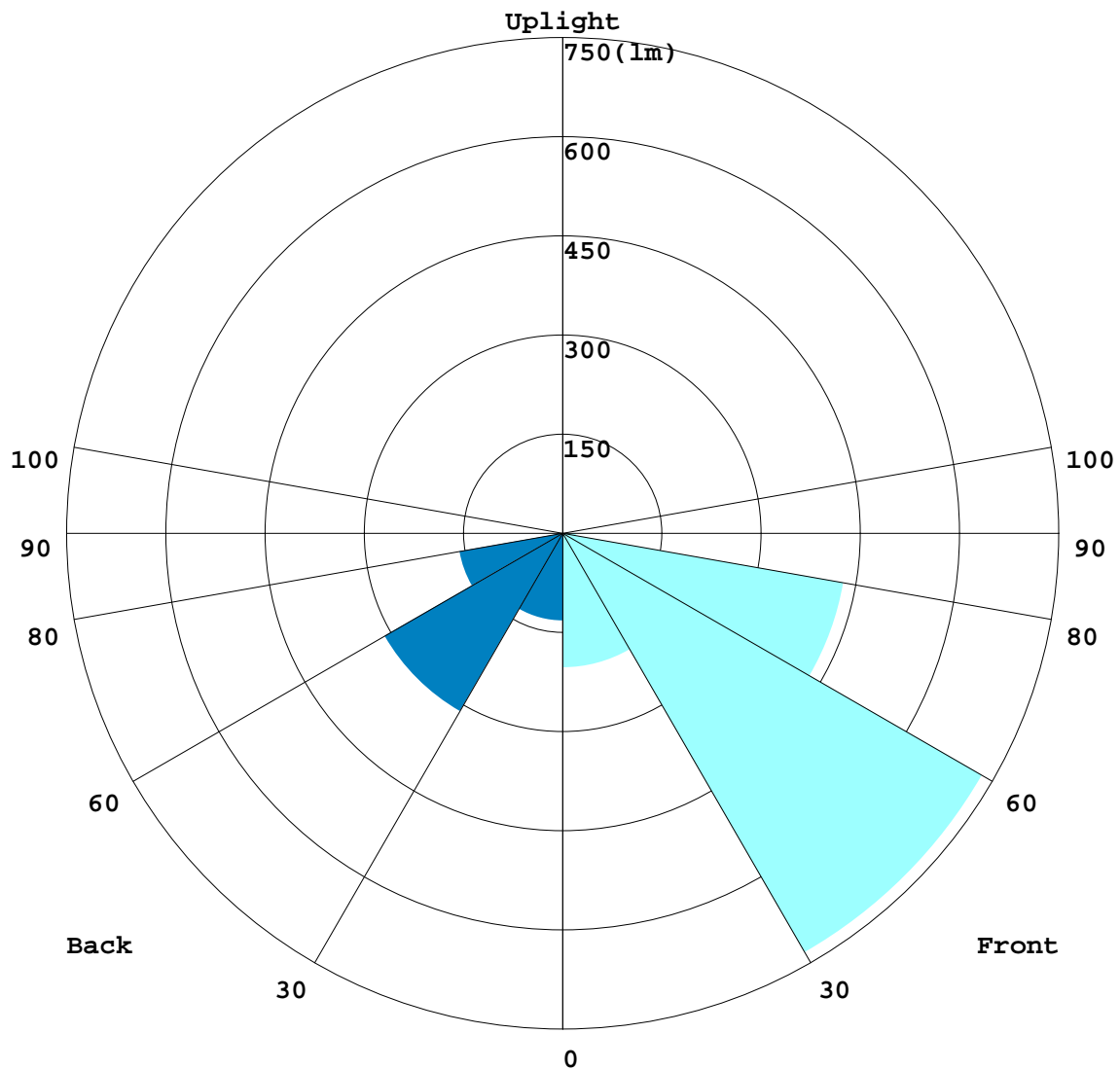
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-08-13

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

LCS REPORT

Test:U:42.16V I:0.2360A P:9.950W PF:1.000 Freq:0Hz Lamp Flux:1996.87x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-10WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-08-13

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

BUG REPORT

Test:U:42.16V I:0.2360A P:9.950W PF:1.000 Freq:0Hz Lamp Flux:1996.87x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-10WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	203.09	10.2
FM - Front-Medium(30-60)	732.14	36.7
FH - Front-High(60-80)	431.23	21.6
FVH - Front-Very High(80-90)	20.363	1.0
Total Forward Light	1386.8	69.4

BL - Back-Low(0-30)	132.03	6.6
BM - Back-Medium(30-60)	310.92	15.6
BH - Back-High(60-80)	158.39	7.9
BVH - Back-Very High(80-90)	8.7165	0.4
Total Back Light	610.05	30.6

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	B1-U0-G1
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	610.05	0	610.05
Street Side	1386.8	0	1386.8

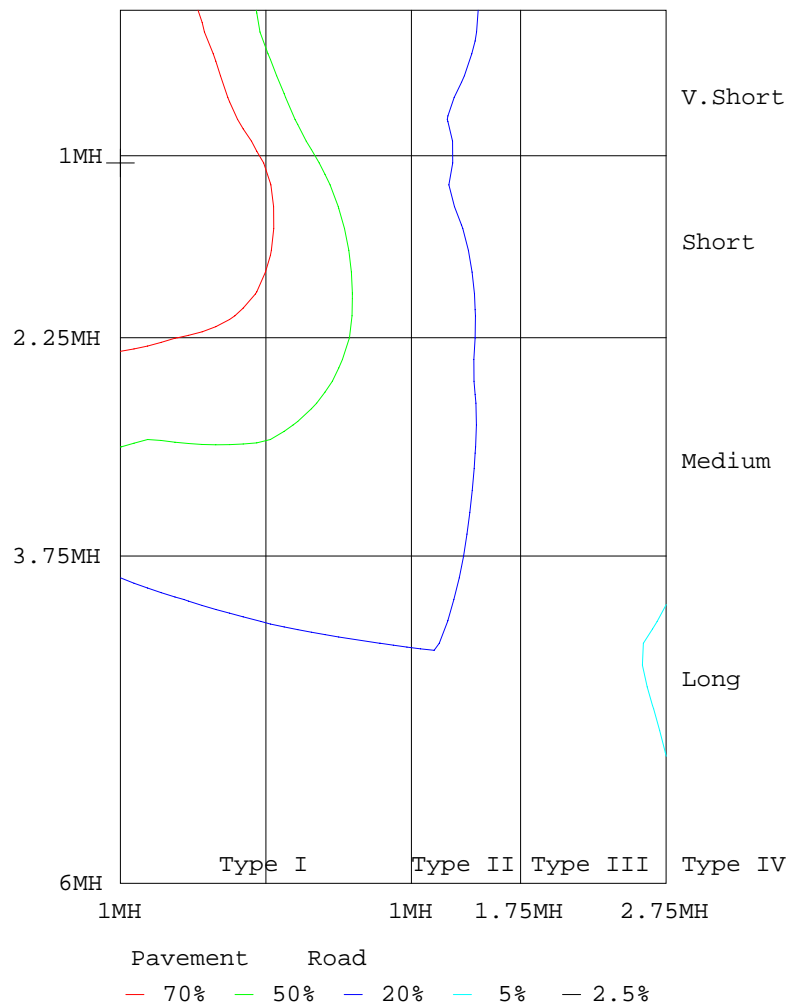
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-08-13

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

ROAD ISOCANDELA REPORT

Test:U:42.16V I:0.2360A P:9.950W PF:1.000 Freq:0Hz Lamp Flux:1996.87x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-10WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-08-13

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:42.16V I:0.2360A P:9.950W PF:1.000 Freq:0Hz Lamp Flux:1996.87x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-10WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	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	370	370	370	370	370	370	370	370	370	370	370	370	370	370	370	370	370	370	370
5	373	380	386	392	395	397	397	397	395	392	386	380	373	366	359	352	346	341	340
10	379	393	406	419	429	433	433	433	429	419	406	393	379	364	348	334	322	313	309
15	391	410	432	453	467	472	471	472	467	453	432	410	391	367	341	318	300	289	284
20	404	432	464	494	510	513	510	513	510	494	464	432	404	370	334	303	280	265	258
25	419	458	502	541	559	557	551	557	559	541	502	458	419	374	327	287	258	240	231
30	438	489	544	597	607	592	578	592	607	597	544	489	438	379	320	270	233	215	206
35	461	524	596	657	643	613	594	613	643	657	596	524	461	386	311	250	212	193	185
40	493	573	659	699	661	622	597	622	661	699	659	573	493	396	301	232	194	178	171
45	538	622	704	732	681	619	584	619	681	732	704	622	538	415	293	216	180	171	166
50	561	641	722	767	692	602	550	602	692	767	722	641	561	441	288	201	171	167	165
55	566	639	717	784	694	562	507	562	694	784	717	639	566	450	280	184	160	161	161
60	554	620	690	777	673	500	445	500	673	777	690	620	554	440	263	163	143	141	140
65	524	579	639	738	618	413	357	413	618	738	639	579	524	404	227	130	108	104	108
70	436	468	552	655	511	283	222	283	511	655	552	468	436	334	169	82.0	72.3	77.8	82.9
75	221	219	404	514	319	111	71.3	111	319	514	404	219	221	225	87.2	46.7	47.7	53.0	56.8
80	61.0	46.5	192	280	111	36.1	29.4	36.1	111	280	192	46.5	61.0	103	32.4	26.5	25.5	26.5	25.3
85	7.21	10.5	29.4	55.5	24.4	18.7	14.6	18.7	24.4	55.5	29.4	10.5	7.21	16.9	11.1	11.7	14.6	16.6	16.8
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:2020-08-13

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:42.16V I:0.2360A P:9.950W PF:1.000 Freq:0Hz Lamp Flux:1996.87x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-10WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	370	370	370	370	370														
5	341	346	352	359	366														
10	313	322	334	348	364														
15	289	300	318	341	367														
20	265	280	303	334	370														
25	240	258	287	327	374														
30	215	233	270	320	379														
35	193	212	250	311	386														
40	178	194	232	301	396														
45	171	180	216	293	415														
50	167	171	201	288	441														
55	161	160	184	280	450														
60	141	143	163	263	440														
65	104	108	130	227	404														
70	77.8	72.3	82.0	169	334														
75	53.0	47.7	46.7	87.2	225														
80	26.5	25.5	26.5	32.4	103														
85	16.6	14.6	11.7	11.1	16.9														
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:2020-08-13

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