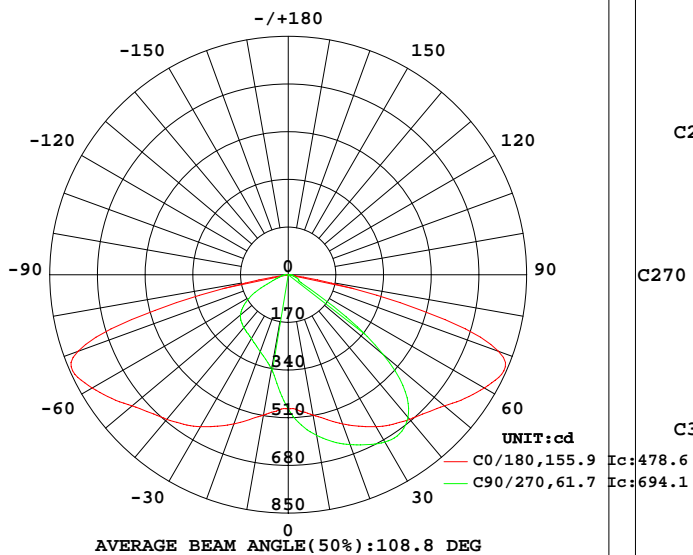
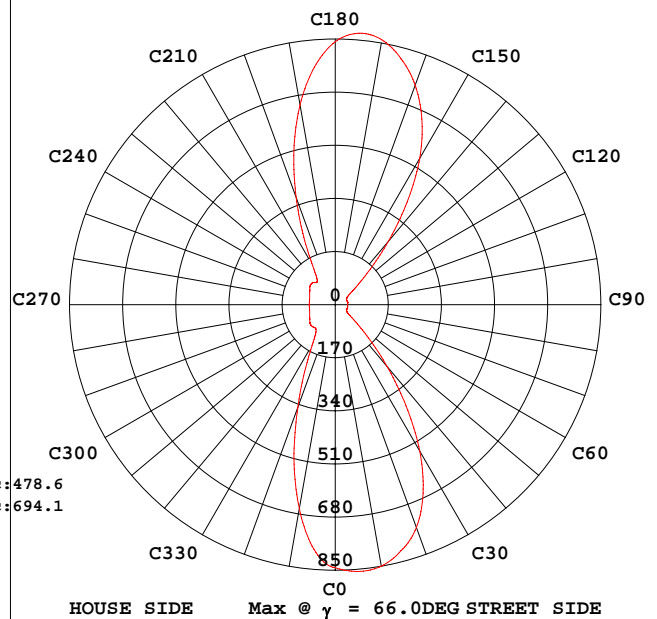


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:42.19V I:0.2349A P:9.911W PF:1.000 Freq:0Hz Lamp Flux:2015.35x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-10WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 203.35 lm/W			
MODEL	5050	I _{max} (cd)	841.7	η street_up(%)	0.0
NOMINAL POWER(W)	10	LOR(%)	100.0	η street_down(%)	64.4
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	2015	η house_up(%)	0.0
NOMINAL FLUX(lm)	2015.35	MAXIMUM @(C,γ)	180,66.0	η house_down(%)	35.6
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	18.330

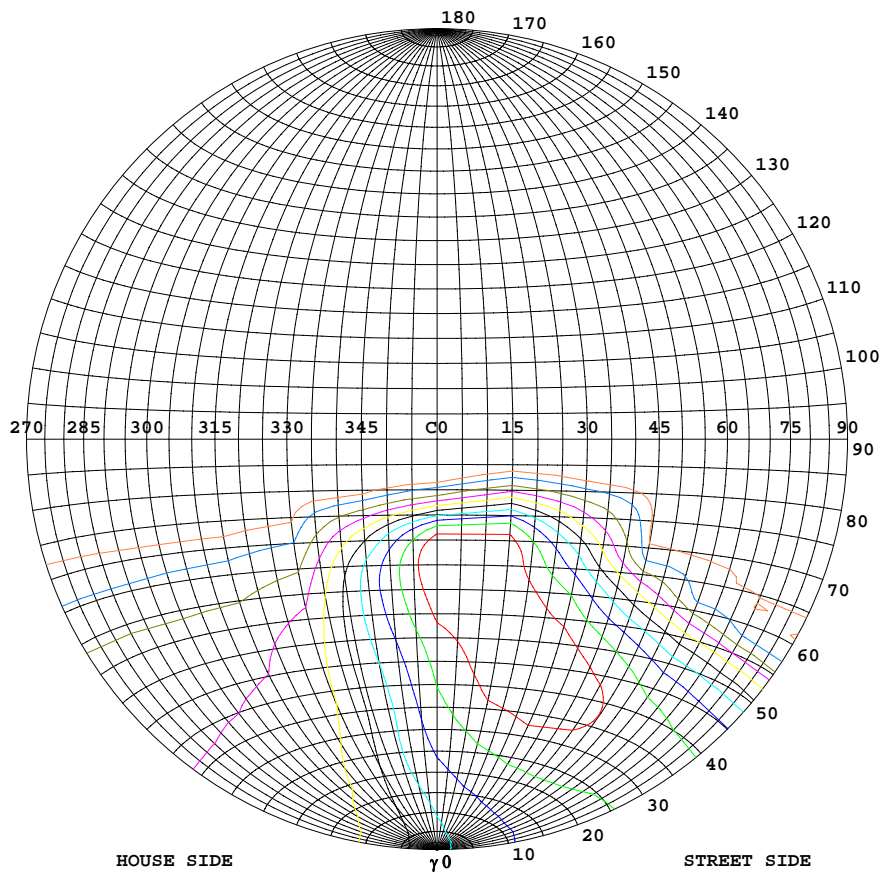
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-10-30

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:42.19V I:0.2349A P:9.911W PF:1.000 Freq:0Hz Lamp Flux:2015.35x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-10WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:



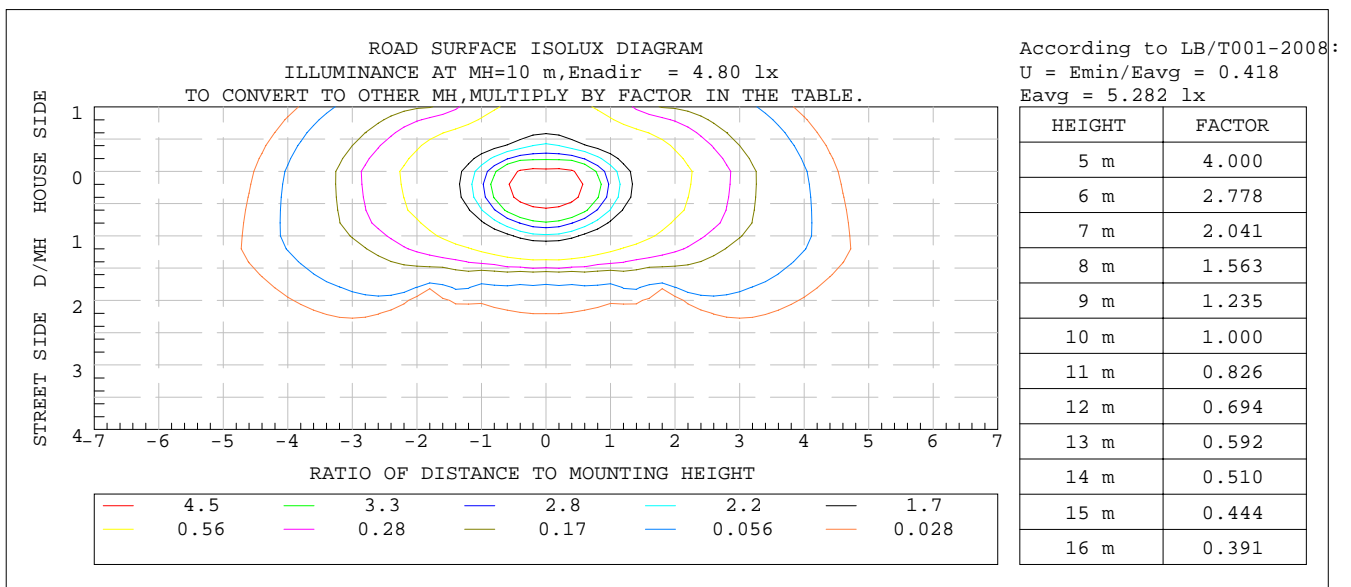
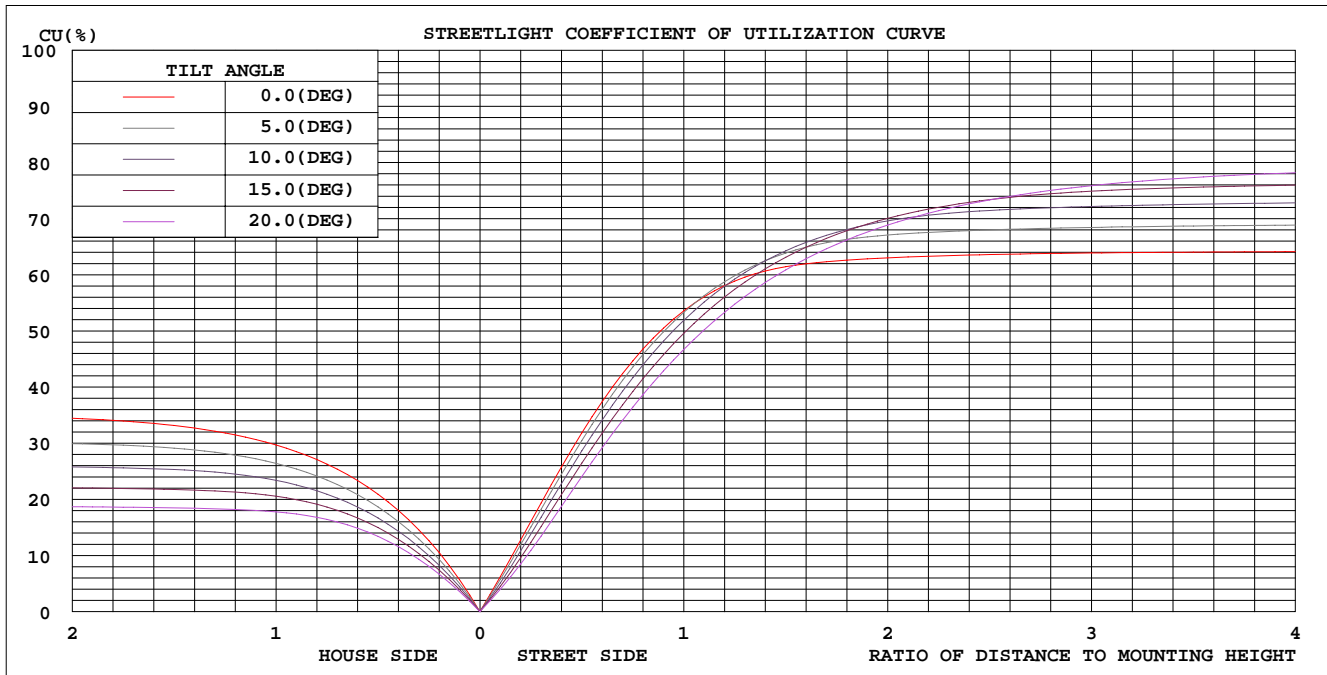
Classification:

IES:Type II - Short
 CIE:Narrow - Intermediate
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:116.2cd/klm
 Max.At90:0cd/klm
 Max.80-90:116.2cd/klm
 NRB 5101:Semi limited[25.6%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	842
90%	758
80%	673
70%	589
60%	505
50%	421
40%	337
30%	253
20%	168
10%	84
5%	42

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-10-30

gamma Range: 0 - 180DEG
 gamma 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: 2020-10-30

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:42.19V I:0.2349A P:9.911W PF:1.000 Freq:0Hz Lamp Flux:2015.35x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-10WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:

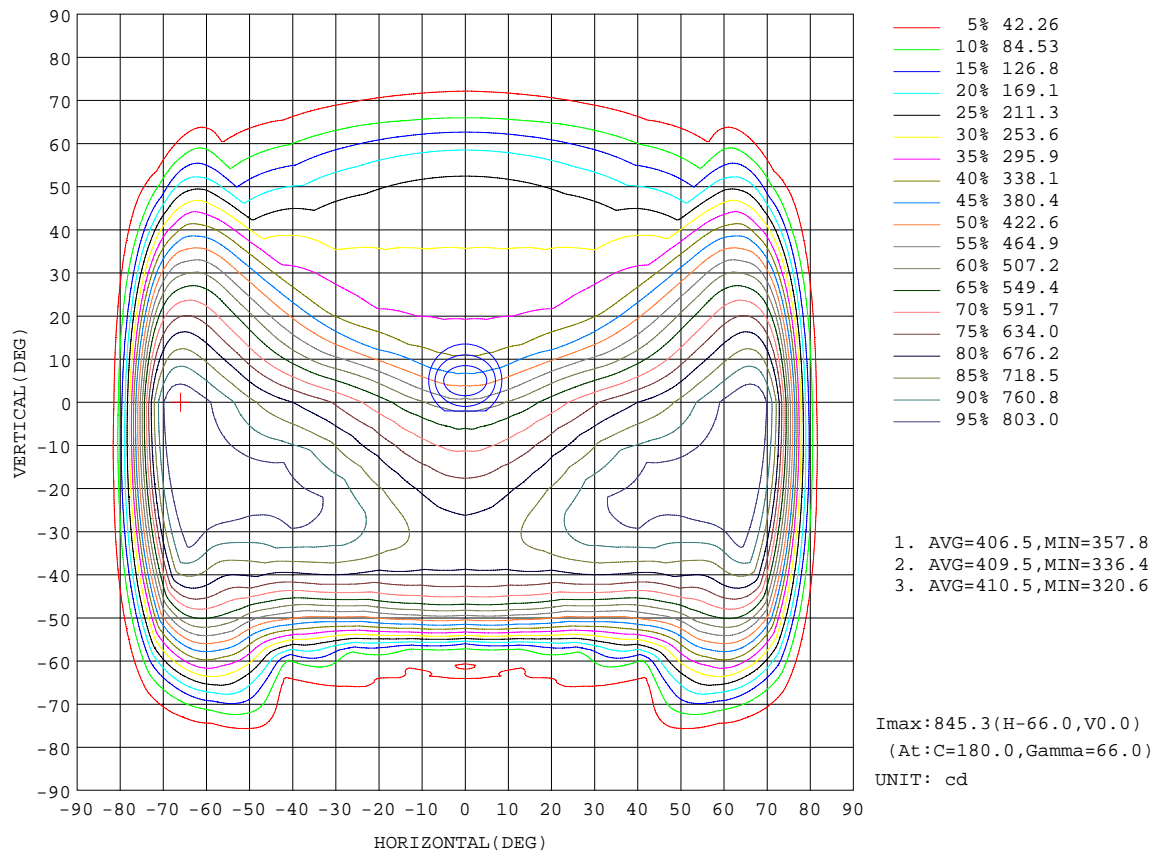
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	507.9	568.9	581.2	568.9	507.9	391.0	342.5	391.0	0- 10	45.78	45.78	2.27,2.27
20	566.1	651.5	644.3	651.5	566.1	332.5	292.4	332.5	10- 20	140.2	186.0	9.23,9.23
30	625.4	734.5	688.9	734.5	625.4	295.8	263.1	295.8	20- 30	240.4	426.3	21.2,21.2
40	673.3	771.9	664.0	771.9	673.3	269.6	246.4	269.6	30- 40	338.0	764.3	37.9,37.9
50	727.1	672.0	440.6	672.0	727.1	236.1	222.4	236.1	40- 50	402.9	1167	57.9,57.9
60	807.6	392.9	43.59	392.9	807.6	165.9	155.1	165.9	50- 60	380.0	1547	76.8,76.8
70	796.5	45.06	32.25	45.06	796.5	59.01	52.65	59.01	60- 70	293.7	1841	91.3,91.3
80	106.0	25.75	16.05	25.75	106.0	18.27	22.45	18.27	70- 80	157.5	1998	99.2,99.2
90	0	0	0	0	0	0	0	0	80- 90	16.98	2015	100,100
100	0	0	0	0	0	0	0	0	90-100	0	2015	100,100
110	0	0	0	0	0	0	0	0	100-110	0	2015	100,100
120	0	0	0	0	0	0	0	0	110-120	0	2015	100,100
130	0	0	0	0	0	0	0	0	120-130	0	2015	100,100
140	0	0	0	0	0	0	0	0	130-140	0	2015	100,100
150	0	0	0	0	0	0	0	0	140-150	0	2015	100,100
160	0	0	0	0	0	0	0	0	150-160	0	2015	100,100
170	0	0	0	0	0	0	0	0	160-170	0	2015	100,100
180	0	0	0	0	0	0	0	0	170-180	0	2015	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:2020-10-30

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

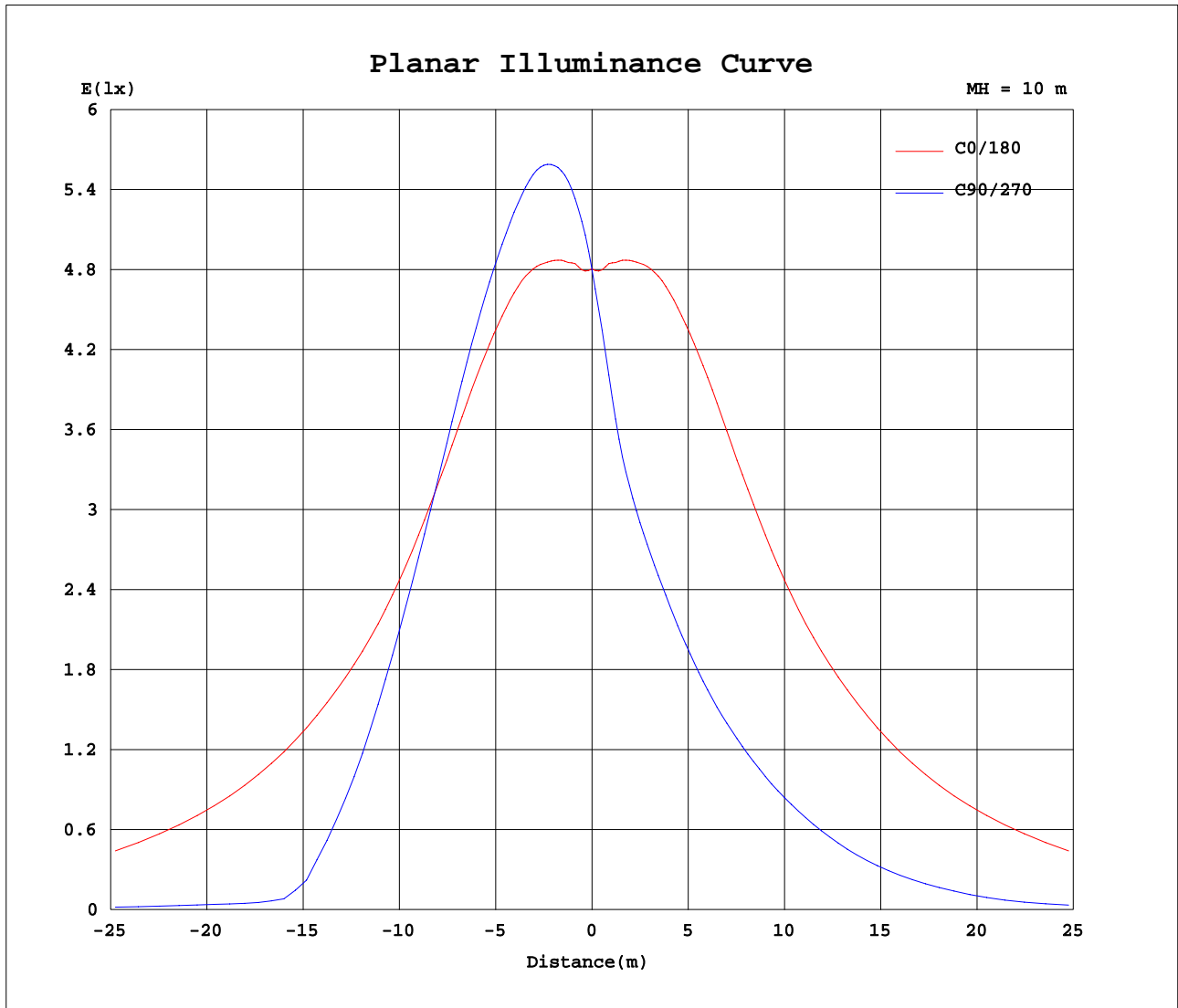
Test:U:42.19V I:0.2349A P:9.911W PF:1.000 Freq:0Hz Lamp Flux:2015.35x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-10WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-10-30

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



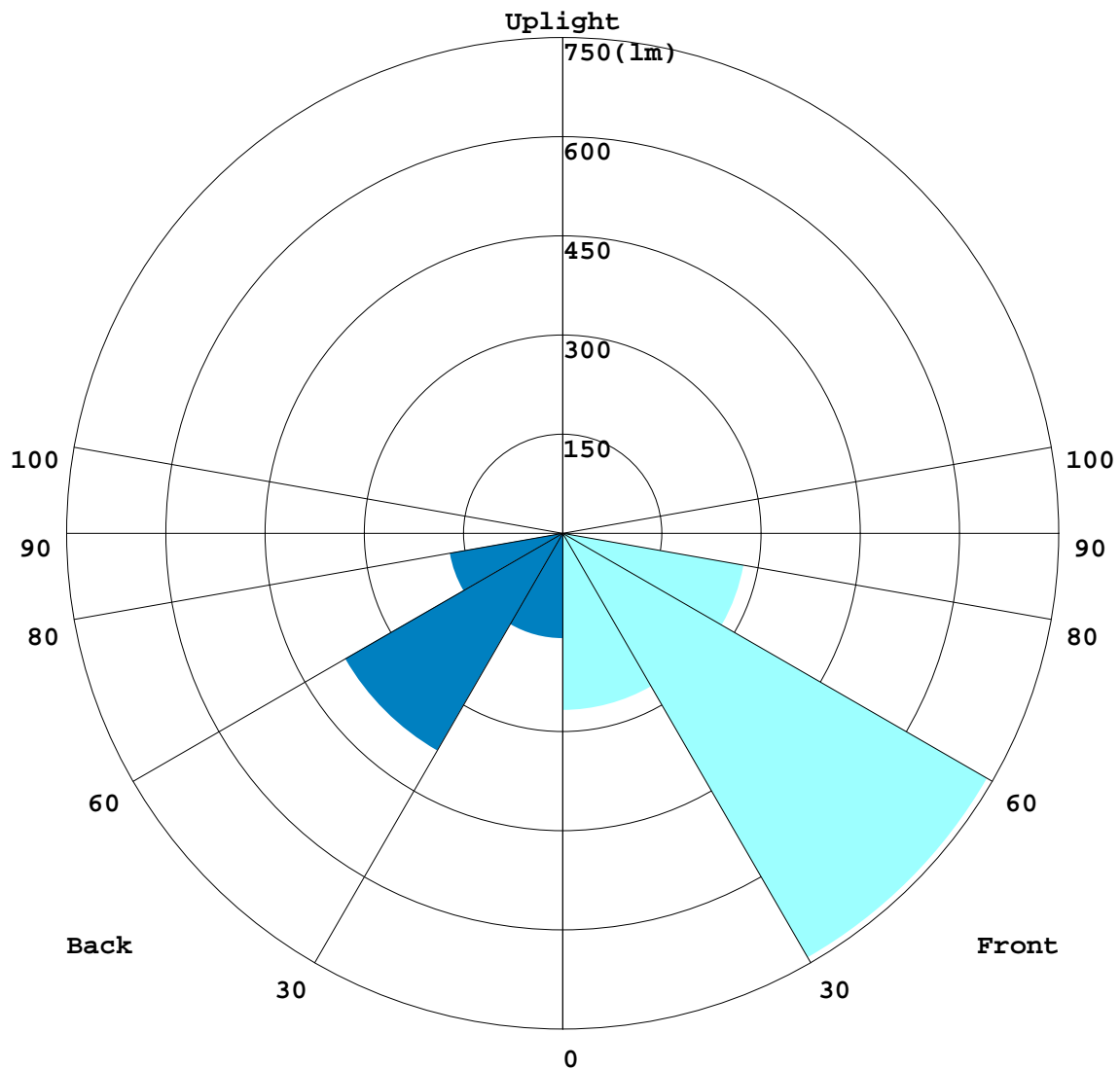
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-10-30

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:42.19V I:0.2349A P:9.911W PF:1.000 Freq:0Hz Lamp Flux:2015.35x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-10WSE-DC-L5-00-5070-T203-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:2020-10-30

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:42.19V I:0.2349A P:9.911W PF:1.000 Freq:0Hz Lamp Flux:2015.35x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-10WSE-DC-L5-00-5070-T203-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)	267.46	13.3
FM - Front-Medium(30-60)	741.24	36.8
FH - Front-High(60-80)	277.89	13.8
FVH - Front-Very High(80-90)	11.237	0.6
Total Forward Light	1297.8	64.4

BL - Back-Low(0-30)	158.87	7.9
BM - Back-Medium(30-60)	379.6	18.8
BH - Back-High(60-80)	173.31	8.6
BVH - Back-Very High(80-90)	5.743	0.3
Total Back Light	717.52	35.6

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
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	717.52	0	717.52
Street Side	1297.8	0	1297.8

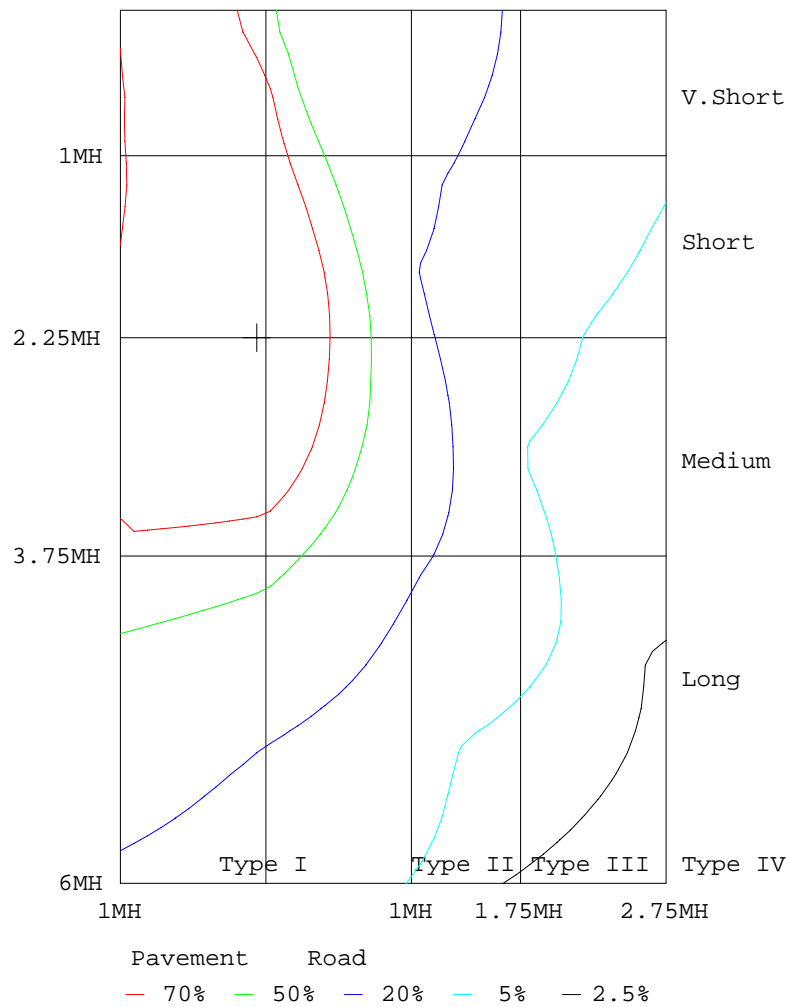
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-10-30

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:42.19V I:0.2349A P:9.911W PF:1.000 Freq:0Hz Lamp Flux:2015.35x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-10WSE-DC-L5-00-5070-T203-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:2020-10-30

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:42.19V I:0.2349A P:9.911W PF:1.000 Freq:0Hz Lamp Flux:2015.35x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-10WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:

Table--1

UNIT: cd

C(DEC) γ (DEC)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	479	479	479	479	479	479	479	479	479	479	479	479	479	479	479	479	479	479	479
5	488	504	518	525	530	536	538	536	530	525	518	504	488	468	447	430	417	407	404
10	508	536	557	569	575	578	581	578	575	569	557	536	508	472	431	391	361	347	343
15	535	573	596	610	614	617	616	617	614	610	596	573	535	481	416	358	329	317	312
20	566	613	639	652	652	649	644	649	652	652	639	613	566	493	397	333	306	296	292
25	596	653	685	695	687	676	668	676	687	695	685	653	596	498	373	312	289	279	276
30	625	695	732	734	715	698	689	698	715	734	732	695	625	495	354	296	275	267	263
35	651	738	774	764	726	700	692	700	726	764	774	738	651	490	342	284	264	257	254
40	673	776	804	772	704	674	664	674	704	772	804	776	673	496	333	270	253	248	246
45	696	804	812	740	644	608	590	608	644	740	812	804	696	509	322	255	239	239	237
50	727	823	788	672	542	477	441	477	542	672	788	823	727	527	303	236	223	224	222
55	769	835	736	554	370	254	198	254	370	554	736	835	769	543	273	208	195	196	195
60	808	829	667	393	142	50.8	43.6	50.8	142	393	667	829	808	550	225	166	155	155	155
65	840	815	562	193	43.4	42.0	40.6	42.0	43.4	193	562	815	840	525	160	112	105	97.2	95.2
70	797	783	446	45.1	37.8	33.9	32.2	33.9	37.8	45.1	446	783	797	425	86.4	59.0	51.3	51.3	52.6
75	492	582	283	36.6	25.8	20.9	20.5	20.9	25.8	36.6	283	582	492	227	36.3	30.8	31.2	31.0	31.4
80	106	234	102	25.8	16.1	16.5	16.0	16.5	16.1	25.8	102	234	106	28.3	18.5	18.3	21.0	22.3	22.4
85	5.64	23.9	15.5	10.1	10.9	11.9	11.1	11.9	10.9	10.1	15.5	23.9	5.64	7.44	7.14	9.05	12.8	14.9	14.9
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:2020-10-30

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:42.19V I:0.2349A P:9.911W PF:1.000 Freq:0Hz Lamp Flux:2015.35x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-10WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC)	285	300	315	330	345														
γ (DEC)																			
0	479	479	479	479	479														
5	407	417	430	447	468														
10	347	361	391	431	472														
15	317	329	358	416	481														
20	296	306	333	397	493														
25	279	289	312	373	498														
30	267	275	296	354	495														
35	257	264	284	342	490														
40	248	253	270	333	496														
45	239	239	255	322	509														
50	224	223	236	303	527														
55	196	195	208	273	543														
60	155	155	166	225	550														
65	97.2	105	112	160	525														
70	51.3	51.3	59.0	86.4	425														
75	31.0	31.2	30.8	36.3	227														
80	22.3	21.0	18.3	18.5	28.3														
85	14.9	12.8	9.05	7.14	7.44														
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:2020-10-30

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: