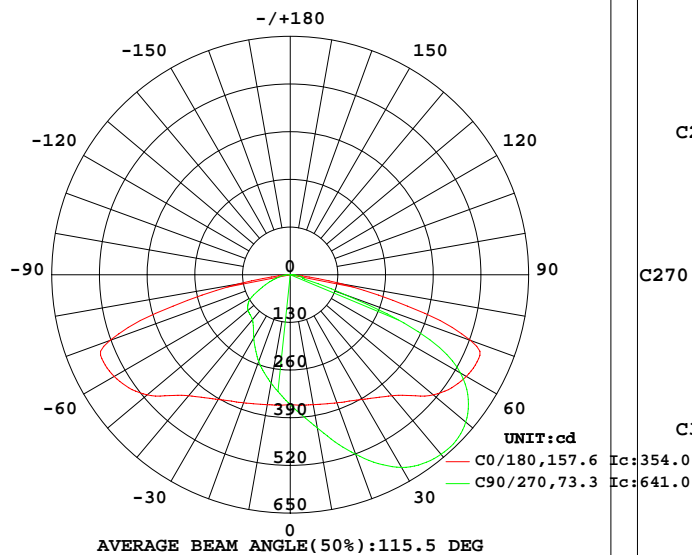
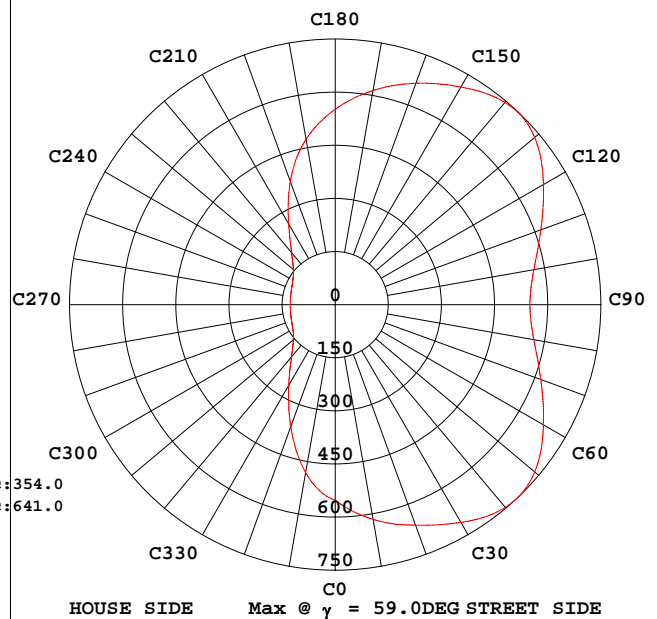


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:42.11V I:0.2360A P:9.937W PF:1.000 Freq:0Hz Lamp Flux:1990.15x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-10WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 200.28 lm/W			
MODEL	5050	I _{max} (cd)	748.8	η street_up(%)	0.0
NOMINAL POWER(W)	10	LOR(%)	100.0	η street_down(%)	69.5
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	1990	η house_up(%)	0.0
NOMINAL FLUX(lm)	1990.15	MAXIMUM @(C,γ)	135,59.0	η house_down(%)	30.5
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	18.694

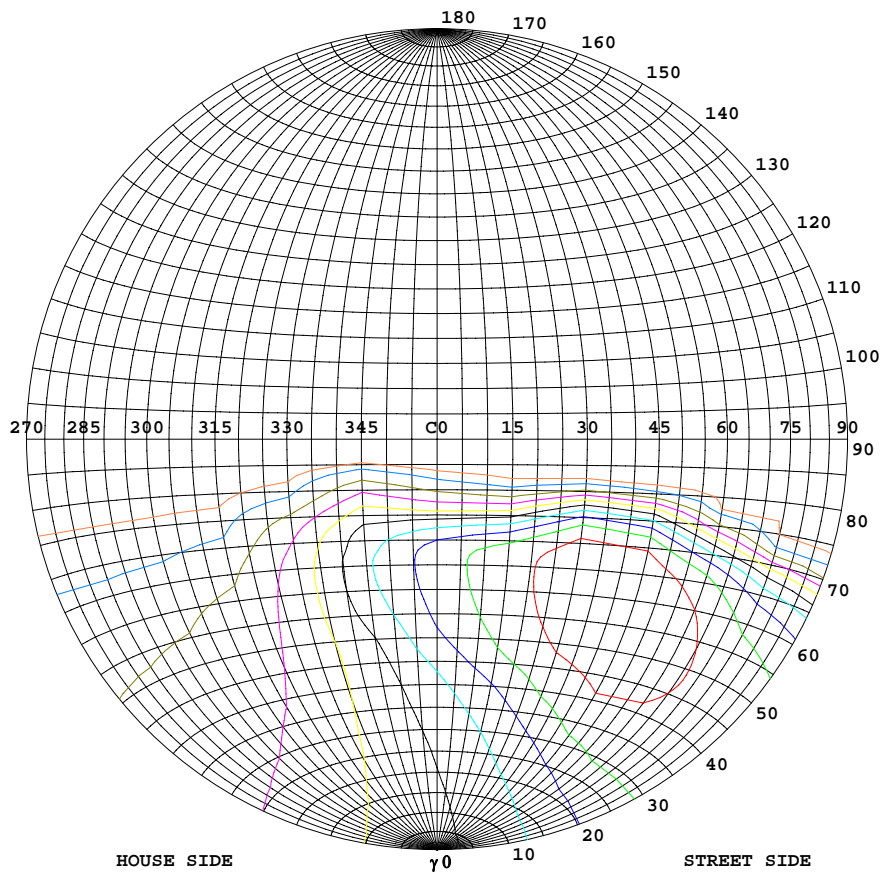
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-08-15

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:42.11V I:0.2360A P:9.937W PF:1.000 Freq:0Hz Lamp Flux:1990.15x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-10WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:



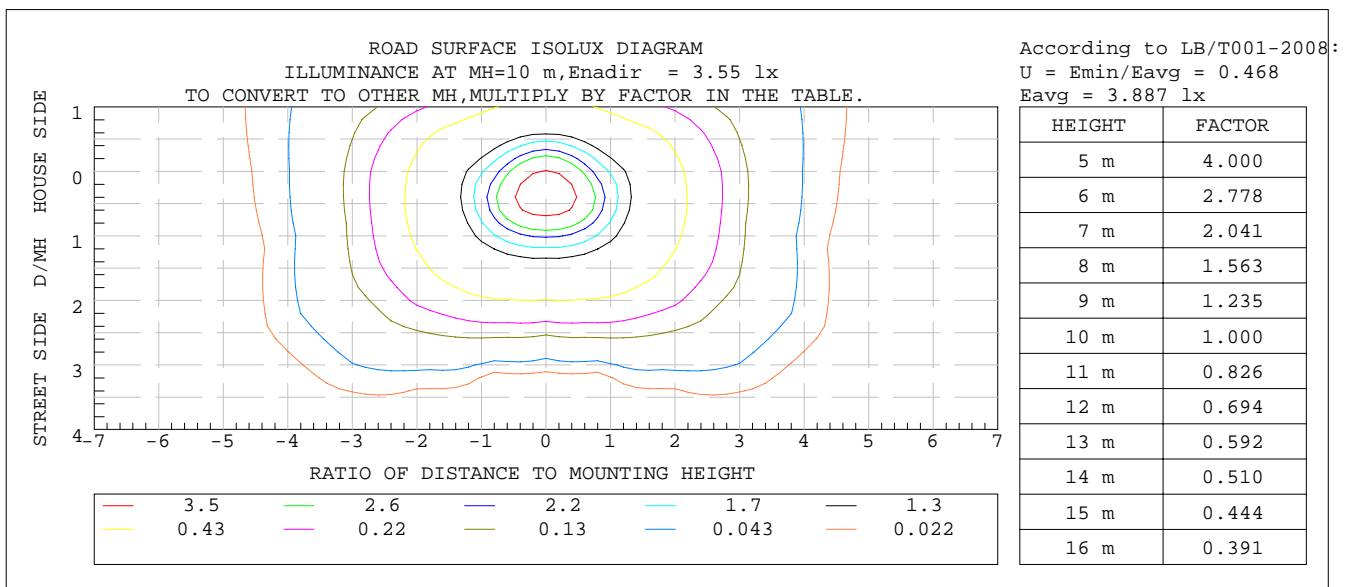
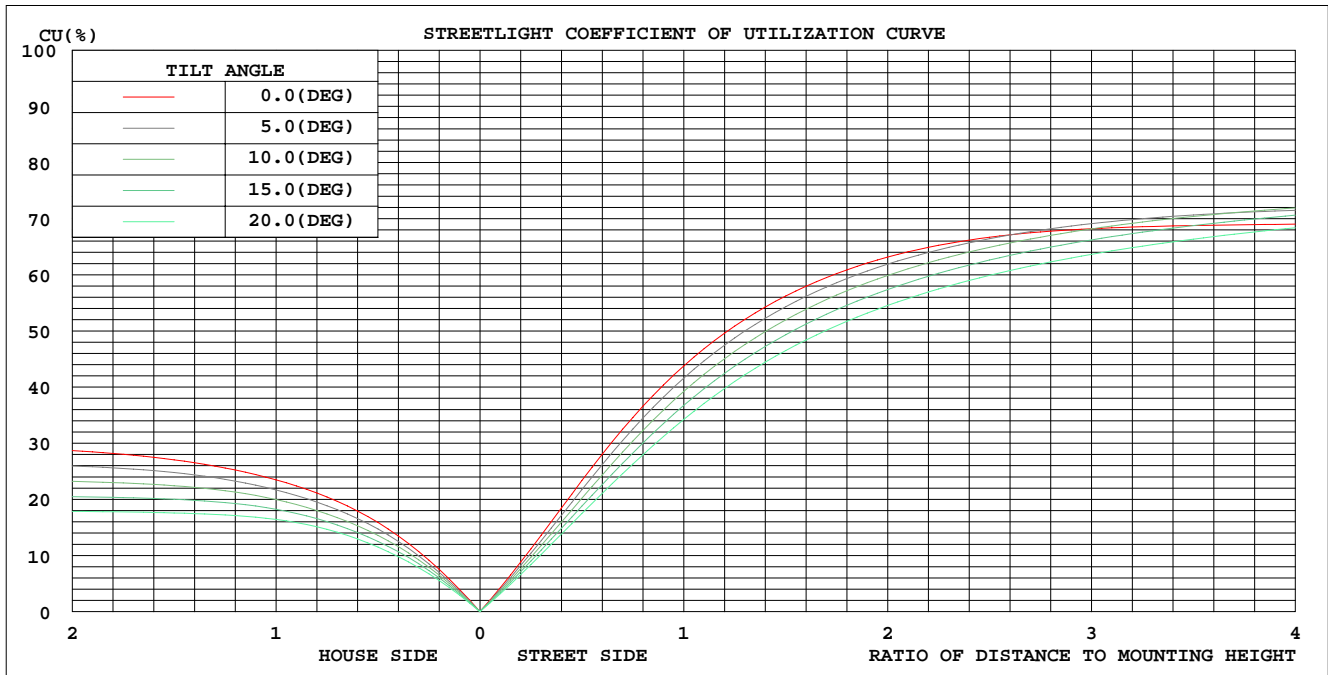
Classification:

IES:Type IV - Short
 CIE:Broad - Short
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:107.6cd/klm
 Max.At90:0cd/klm
 Max.80-90:107.6cd/klm
 NRB 5101:Semi limited[20.4%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	749
90%	674
80%	599
70%	524
60%	449
50%	374
40%	300
30%	225
20%	150
10%	75
5%	37

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-08-15

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: 2020-08-15

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:42.11V I:0.2360A P:9.937W PF:1.000 Freq:0Hz Lamp Flux:1990.15x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-10WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:

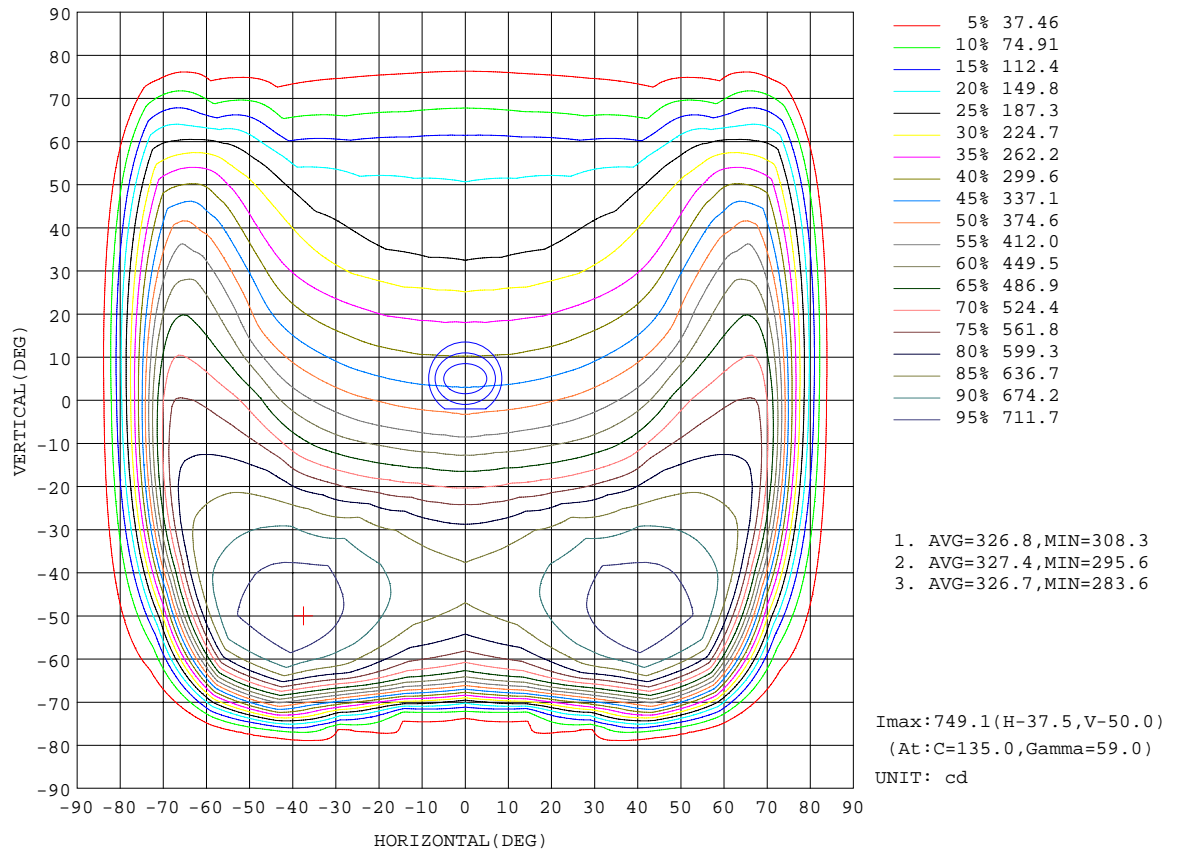
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	359.7	405.3	423.8	405.3	359.7	317.3	300.1	317.3	0- 10	34.19	34.19	1.72,1.72
20	371.7	477.2	520.5	477.2	371.7	284.1	251.8	284.1	10- 20	105.2	139.4	7.7
30	392.6	572.7	606.7	572.7	392.6	252.8	199.3	252.8	20- 30	181.9	321.3	16.1,16.1
40	430.8	664.8	639.1	664.8	430.8	220.9	160.6	220.9	30- 40	262.1	583.3	29.3,29.3
50	509.7	720.3	624.6	720.3	509.7	196.3	150.5	196.3	40- 50	340.8	924.1	46.4,46.4
60	554.4	748.1	535.8	748.1	554.4	165.4	121.3	165.4	50- 60	405.7	1330	66.8,66.8
70	522.7	661.3	158.6	661.3	522.7	92.36	63.44	92.36	60- 70	408.9	1739	87.4,87.4
80	137.9	94.23	29.21	94.23	137.9	26.73	28.07	26.73	70- 80	224.0	1963	98.6,98.6
90	0	0	0	0	0	0	0	0	80- 90	27.51	1990	100,100
100	0	0	0	0	0	0	0	0	90-100	0	1990	100,100
110	0	0	0	0	0	0	0	0	100-110	0	1990	100,100
120	0	0	0	0	0	0	0	0	110-120	0	1990	100,100
130	0	0	0	0	0	0	0	0	120-130	0	1990	100,100
140	0	0	0	0	0	0	0	0	130-140	0	1990	100,100
150	0	0	0	0	0	0	0	0	140-150	0	1990	100,100
160	0	0	0	0	0	0	0	0	150-160	0	1990	100,100
170	0	0	0	0	0	0	0	0	160-170	0	1990	100,100
180	0	0	0	0	0	0	0	0	170-180	0	1990	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:2020-08-15

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

ISOCANDELA DIAGRAM

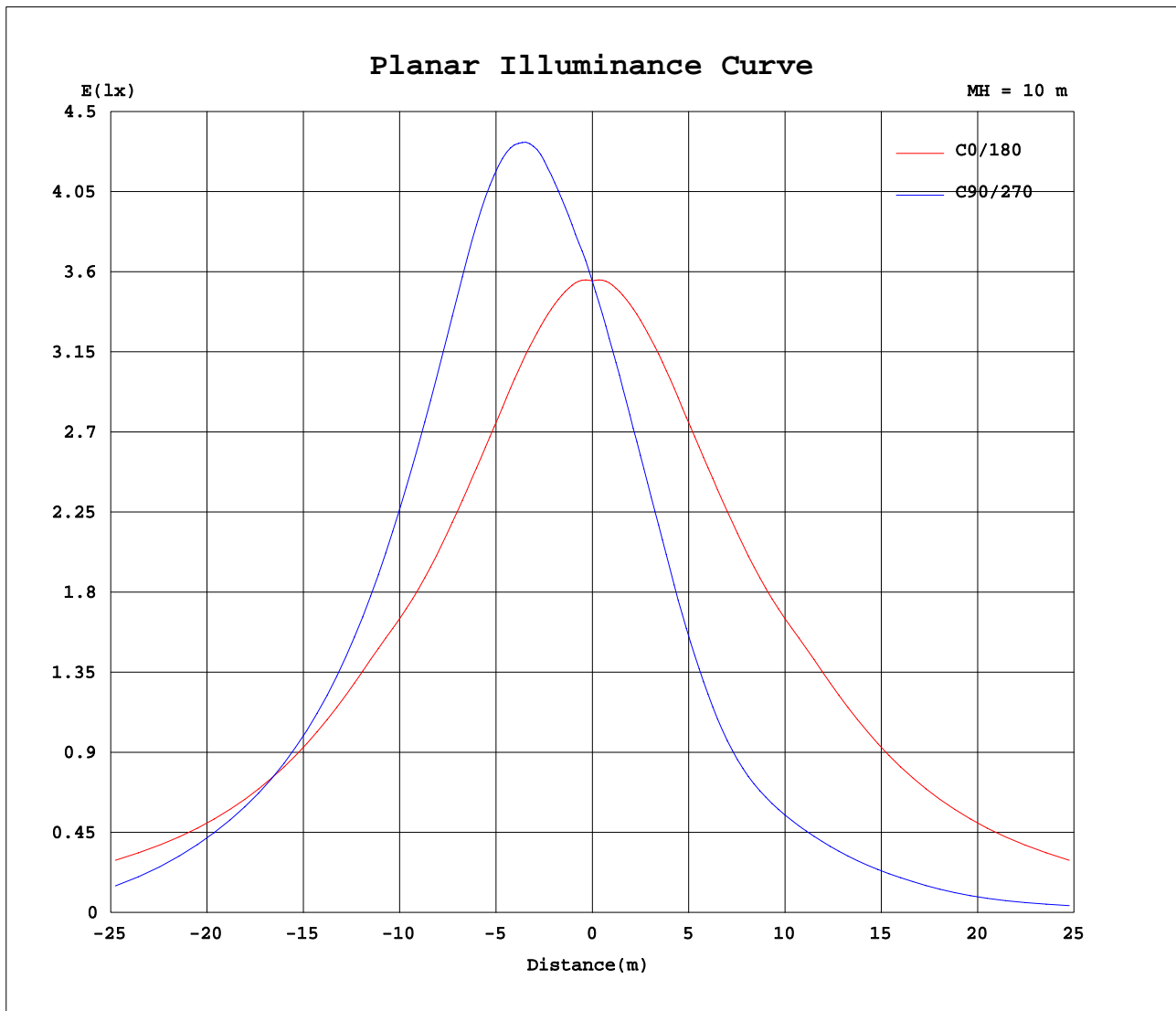
Test:U:42.11V I:0.2360A P:9.937W PF:1.000 Freq:0Hz Lamp Flux:1990.15x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-10WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-08-15

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



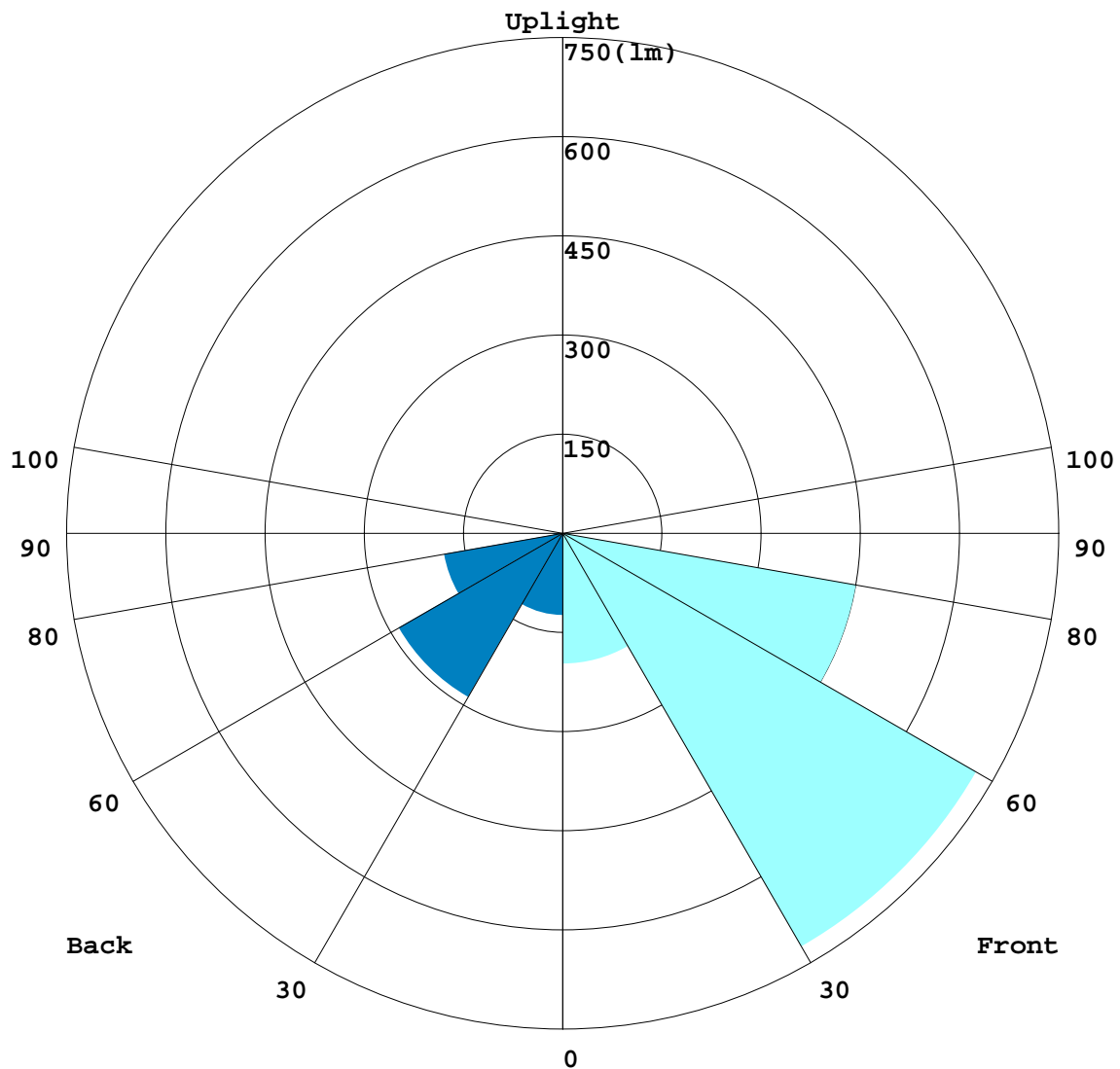
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-08-15

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:42.11V I:0.2360A P:9.937W PF:1.000 Freq:0Hz Lamp Flux:1990.15x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-10WSE-DC-L5-00-5070-T304-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:2020-08-15

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:42.11V I:0.2360A P:9.937W PF:1.000 Freq:0Hz Lamp Flux:1990.15x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-10WSE-DC-L5-00-5070-T304-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)	197.39	9.9
FM - Front-Medium(30-60)	722.3	36.3
FH - Front-High(60-80)	450.8	22.7
FVH - Front-Very High(80-90)	13.282	0.7
Total Forward Light	1383.8	69.5

BL - Back-Low(0-30)	123.87	6.2
BM - Back-Medium(30-60)	286.19	14.4
BH - Back-High(60-80)	182.09	9.1
BVH - Back-Very High(80-90)	14.227	0.7
Total Back Light	606.38	30.5

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	606.38	0	606.38
Street Side	1383.8	0	1383.8

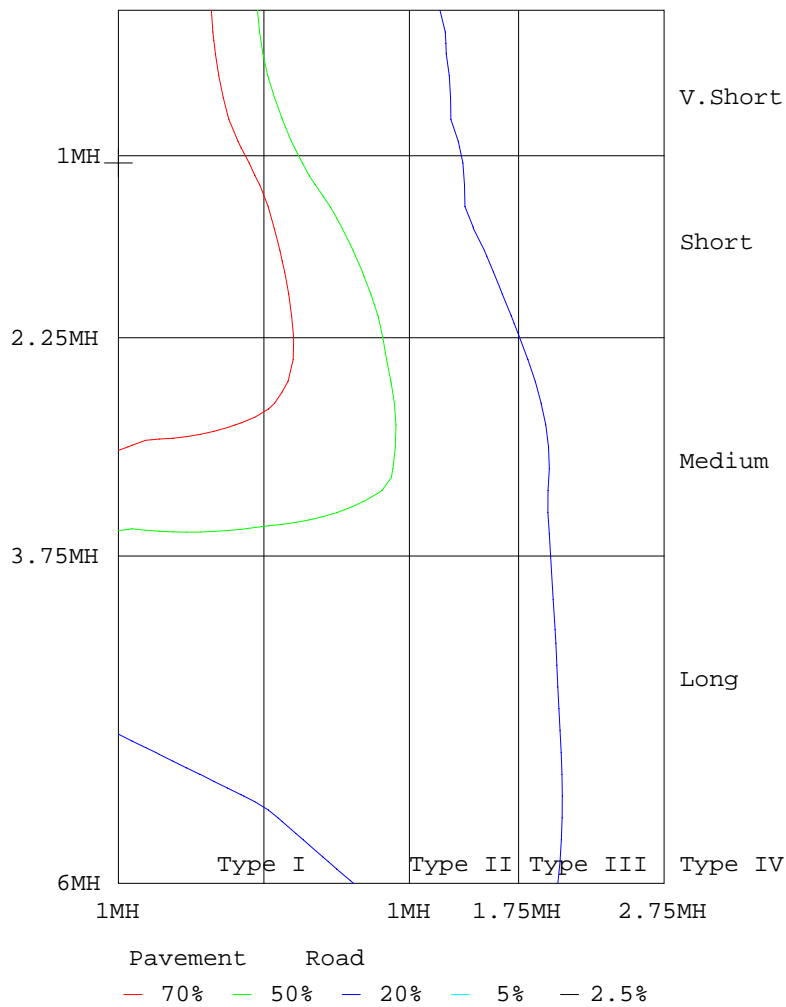
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-08-15

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:42.11V I:0.2360A P:9.937W PF:1.000 Freq:0Hz Lamp Flux:1990.15x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-10WSE-DC-L5-00-5070-T304-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:2020-08-15

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:42.11V I:0.2360A P:9.937W PF:1.000 Freq:0Hz Lamp Flux:1990.15x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-10WSE-DC-L5-00-5070-T304-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	354	354	354	354	354	354	354	354	354	354	354	354	354	354	354	354	354	354	354
5	357	365	372	378	382	385	385	385	382	378	372	365	357	349	342	336	331	327	326
10	360	376	391	405	416	423	424	423	416	405	391	376	360	344	329	317	308	303	300
15	365	390	415	439	458	469	472	469	458	439	415	390	365	340	318	300	287	279	276
20	372	407	443	477	504	518	520	518	504	477	443	407	372	338	308	284	267	256	252
25	380	426	475	521	554	567	568	567	554	521	475	426	380	337	299	268	246	232	225
30	393	449	511	573	606	609	607	609	606	573	511	449	393	338	291	253	223	207	199
35	409	479	557	628	642	636	629	636	642	628	557	479	409	342	283	236	202	184	176
40	431	517	607	665	664	650	639	650	664	665	607	517	431	346	275	221	184	167	161
45	466	572	649	694	681	655	640	655	681	694	649	572	466	355	268	207	172	160	155
50	510	608	683	720	691	648	625	648	691	720	683	608	510	374	264	196	164	155	151
55	537	631	702	742	691	625	592	625	691	742	702	631	537	407	263	184	152	144	141
60	554	643	711	748	673	580	536	580	673	748	711	643	554	431	262	165	134	124	121
65	562	646	712	726	625	488	420	488	625	726	712	646	562	440	256	137	103	91.2	88.8
70	523	585	687	661	459	254	159	254	459	661	687	585	523	418	230	92.4	67.6	62.5	63.4
75	331	358	533	454	161	36.9	34.8	36.9	161	454	533	358	331	343	163	52.5	43.4	41.7	42.7
80	138	92.6	165	94.2	29.2	33.4	29.2	33.4	29.2	94.2	165	92.6	138	214	59.6	26.7	26.6	28.2	28.1
85	16.6	12.8	19.5	26.4	21.9	18.1	14.7	18.1	21.9	26.4	19.5	12.8	16.6	44.4	12.5	11.9	15.2	17.3	16.9
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:2020-08-15

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:42.11V I:0.2360A P:9.937W PF:1.000 Freq:0Hz Lamp Flux:1990.15x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-10WSE-DC-L5-00-5070-T304-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	354	354	354	354	354														
5	327	331	336	342	349														
10	303	308	317	329	344														
15	279	287	300	318	340														
20	256	267	284	308	338														
25	232	246	268	299	337														
30	207	223	253	291	338														
35	184	202	236	283	342														
40	167	184	221	275	346														
45	160	172	207	268	355														
50	155	164	196	264	374														
55	144	152	184	263	407														
60	124	134	165	262	431														
65	91.2	103	137	256	440														
70	62.5	67.6	92.4	230	418														
75	41.7	43.4	52.5	163	343														
80	28.2	26.6	26.7	59.6	214														
85	17.3	15.2	11.9	12.5	44.4														
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:2020-08-15

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: