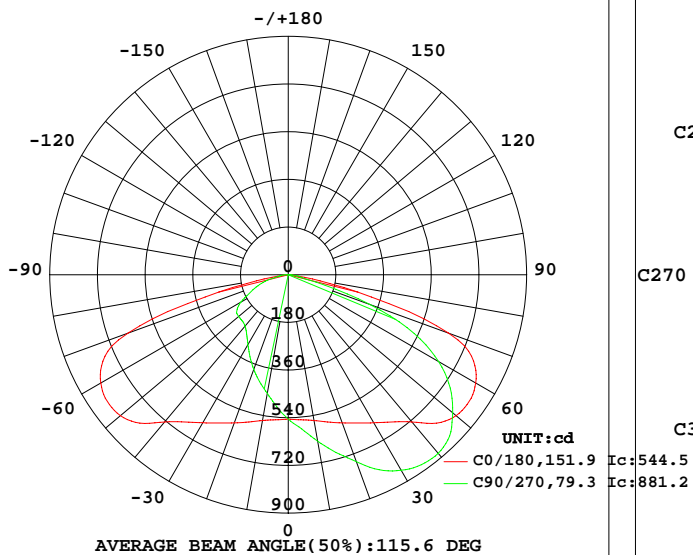
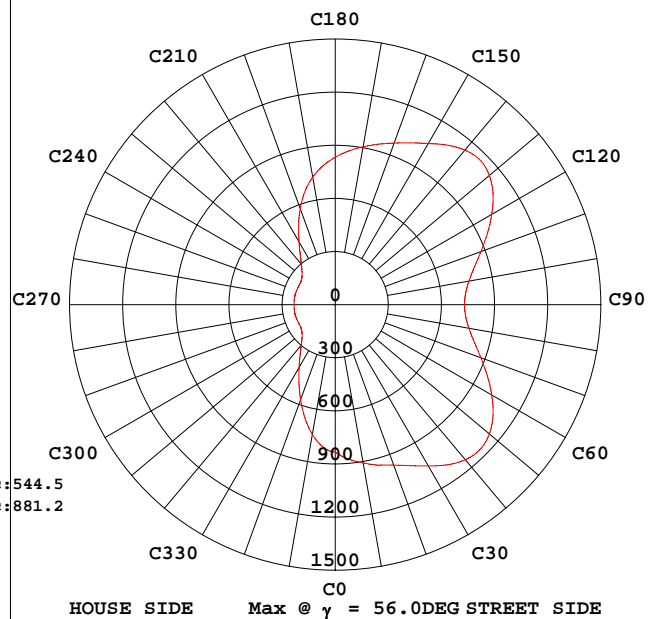


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:42.70V I:0.3499A P:14.94W PF:1.000 Freq:0Hz Lamp Flux:2942.76x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-15WSE-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: 196.95 lm/W			
MODEL	5050	I _{max} (cd)	1156	η street_up(%)	0.0
NOMINAL POWER(W)	15	LOR(%)	100.0	η street_down(%)	69.4
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	2943	η house_up(%)	0.0
NOMINAL FLUX(lm)	2942.76	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	18.012

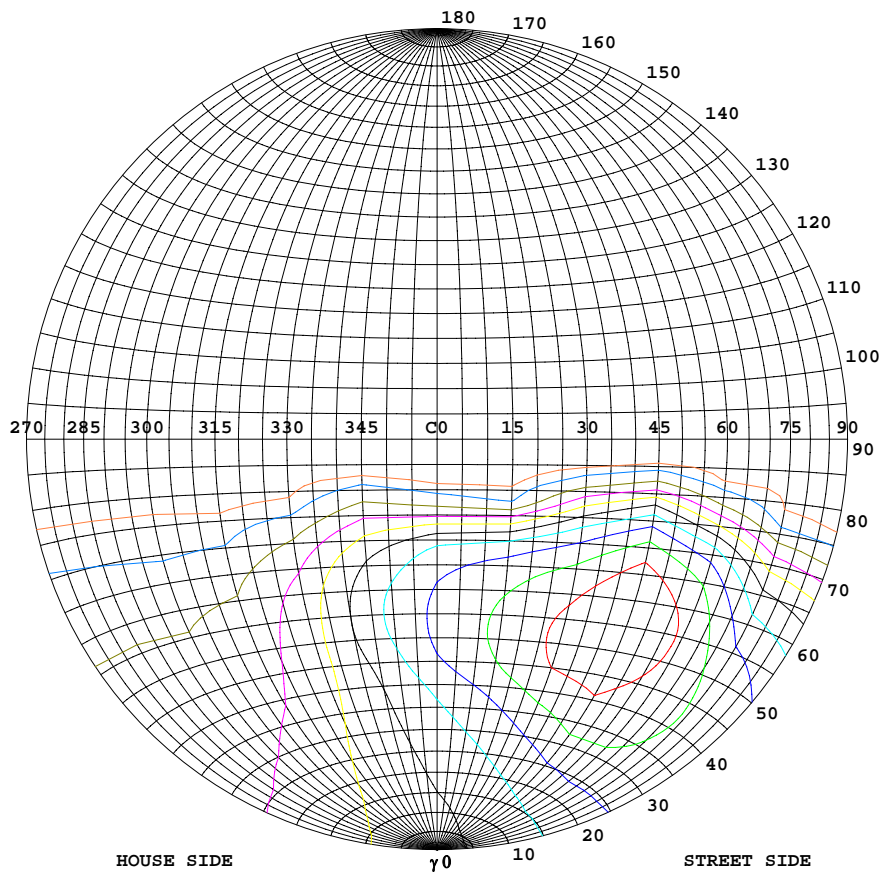
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:42.70V I:0.3499A P:14.94W PF:1.000 Freq:0Hz Lamp Flux:2942.76x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-15WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:



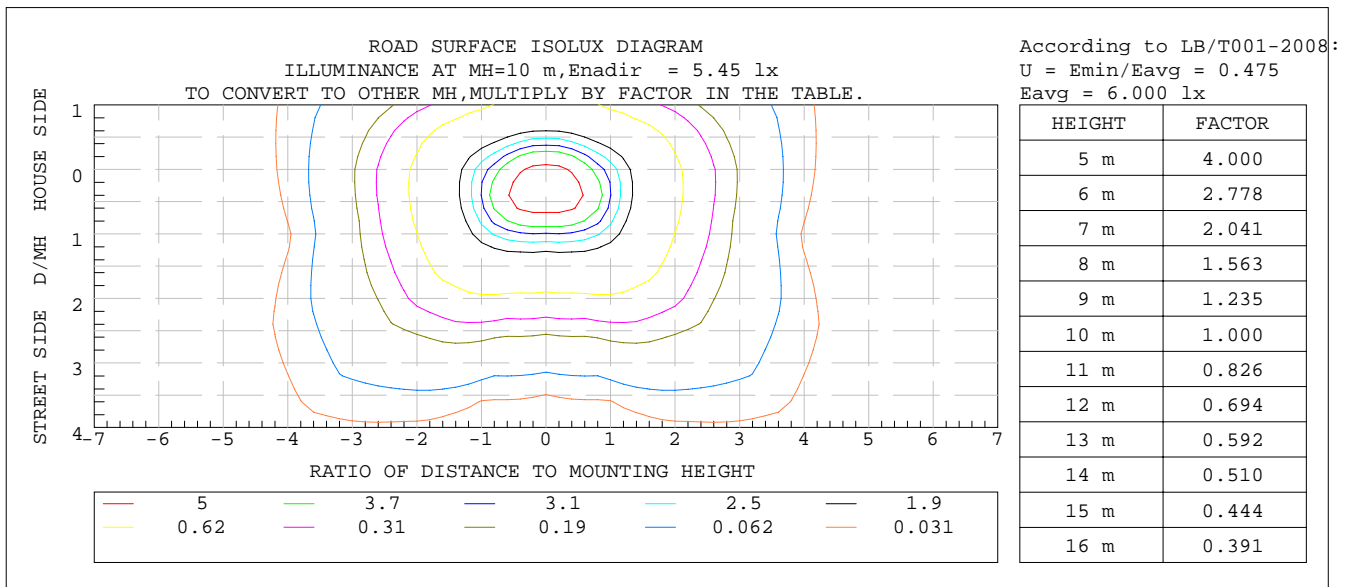
Classification:

IES:Type IV - Short
 CIE:Broad - Short
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:139.2cd/klm
 Max.At90:0cd/klm
 Max.80-90:139.2cd/klm
 NRB 5101:Semi limited[16.1%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1156
90%	1041
80%	925
70%	810
60%	694
50%	578
40%	463
30%	347
20%	231
10%	116
5%	58

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:42.70V I:0.3499A P:14.94W PF:1.000 Freq:0Hz Lamp Flux:2942.76x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-15WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:

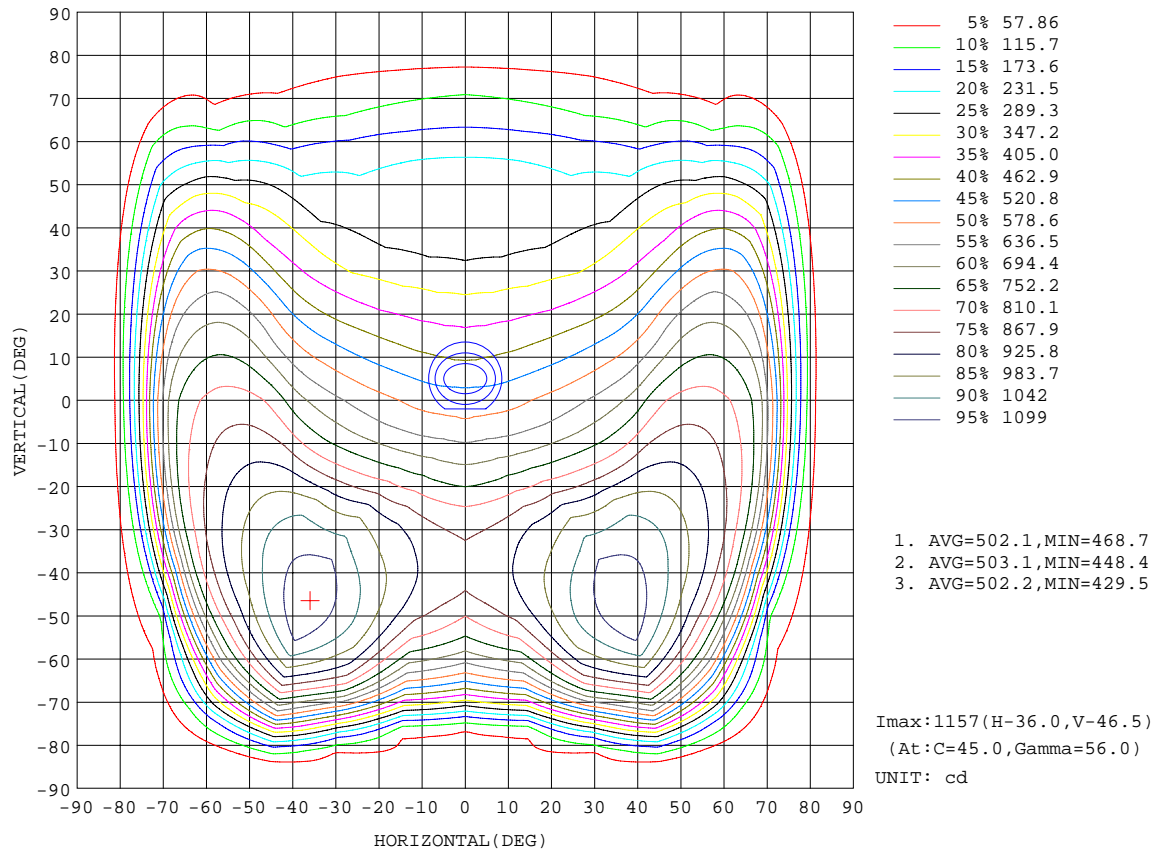
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
10	558.8	617.2	637.6	617.2	558.8	491.3	455.5	491.3	0- 10	52.42	52.42	1.78,1.78
20	595.1	728.1	750.5	728.1	595.1	446.2	380.3	446.2	10- 20	161.4	213.8	7.27,7.27
30	645.1	880.0	852.3	880.0	645.1	397.0	304.8	397.0	20- 30	280.1	493.9	16.8,16.8
40	725.9	1031	880.4	1031	725.9	341.6	253.9	341.6	30- 40	404.7	898.6	30.5,30.5
50	827.4	1131	810.0	1131	827.4	296.3	245.1	296.3	40- 50	526.9	1426	48.4,48.4
60	817.0	1144	655.3	1144	817.0	239.5	206.6	239.5	50- 60	605.9	2031	69,69
70	642.6	964.5	325.9	964.5	642.6	121.8	122.1	121.8	60- 70	566.3	2598	88.3,88.3
80	92.75	409.6	43.33	409.6	92.75	39.12	37.25	39.12	70- 80	302.0	2900	98.5,98.5
90	0	0	0	0	0	0	0	0	80- 90	42.97	2943	100,100
100	0	0	0	0	0	0	0	0	90-100	0	2943	100,100
110	0	0	0	0	0	0	0	0	100-110	0	2943	100,100
120	0	0	0	0	0	0	0	0	110-120	0	2943	100,100
130	0	0	0	0	0	0	0	0	120-130	0	2943	100,100
140	0	0	0	0	0	0	0	0	130-140	0	2943	100,100
150	0	0	0	0	0	0	0	0	140-150	0	2943	100,100
160	0	0	0	0	0	0	0	0	150-160	0	2943	100,100
170	0	0	0	0	0	0	0	0	160-170	0	2943	100,100
180	0	0	0	0	0	0	0	0	170-180	0	2943	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

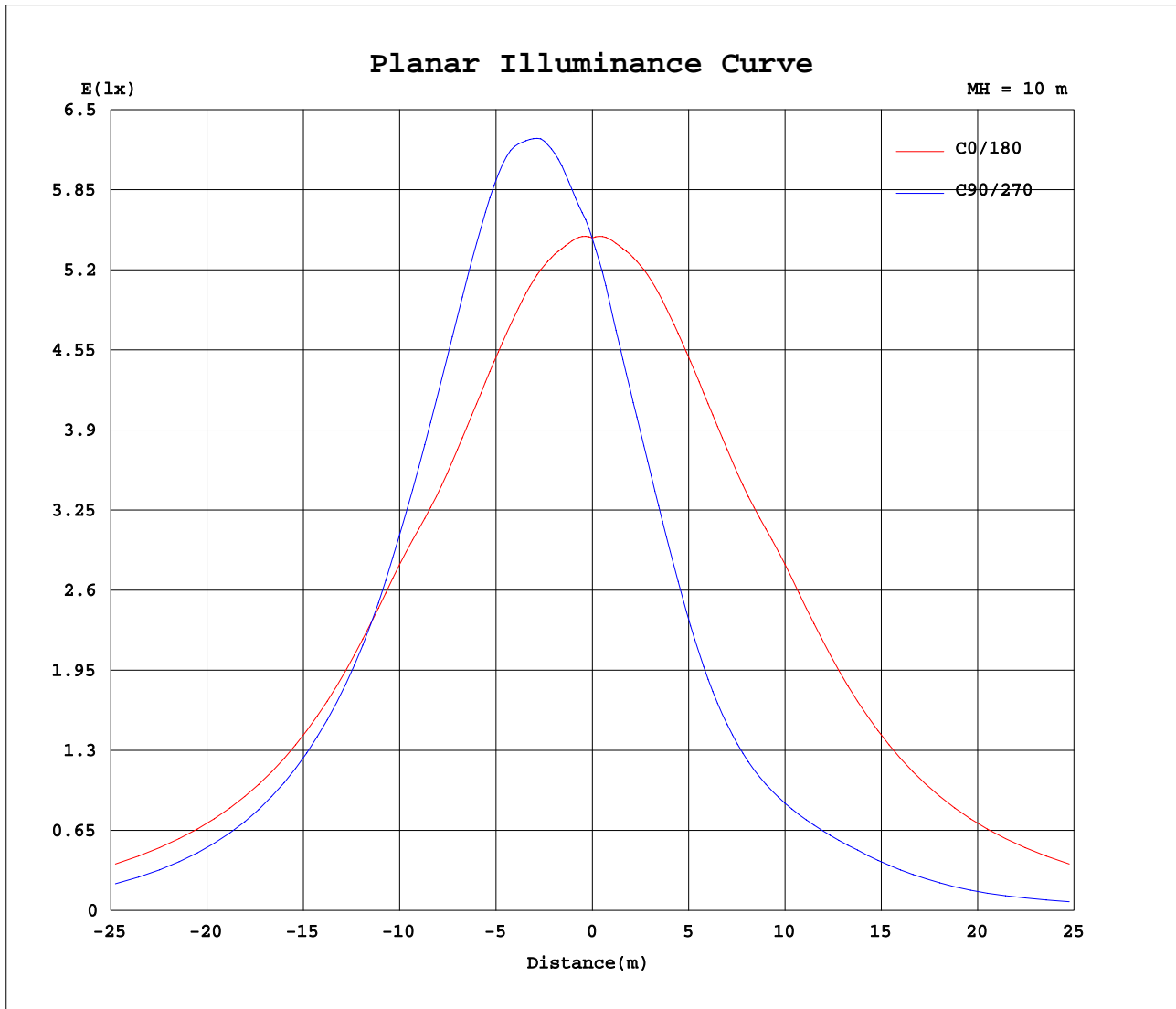
Test:U:42.70V I:0.3499A P:14.94W PF:1.000 Freq:0Hz Lamp Flux:2942.76x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-15WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:



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



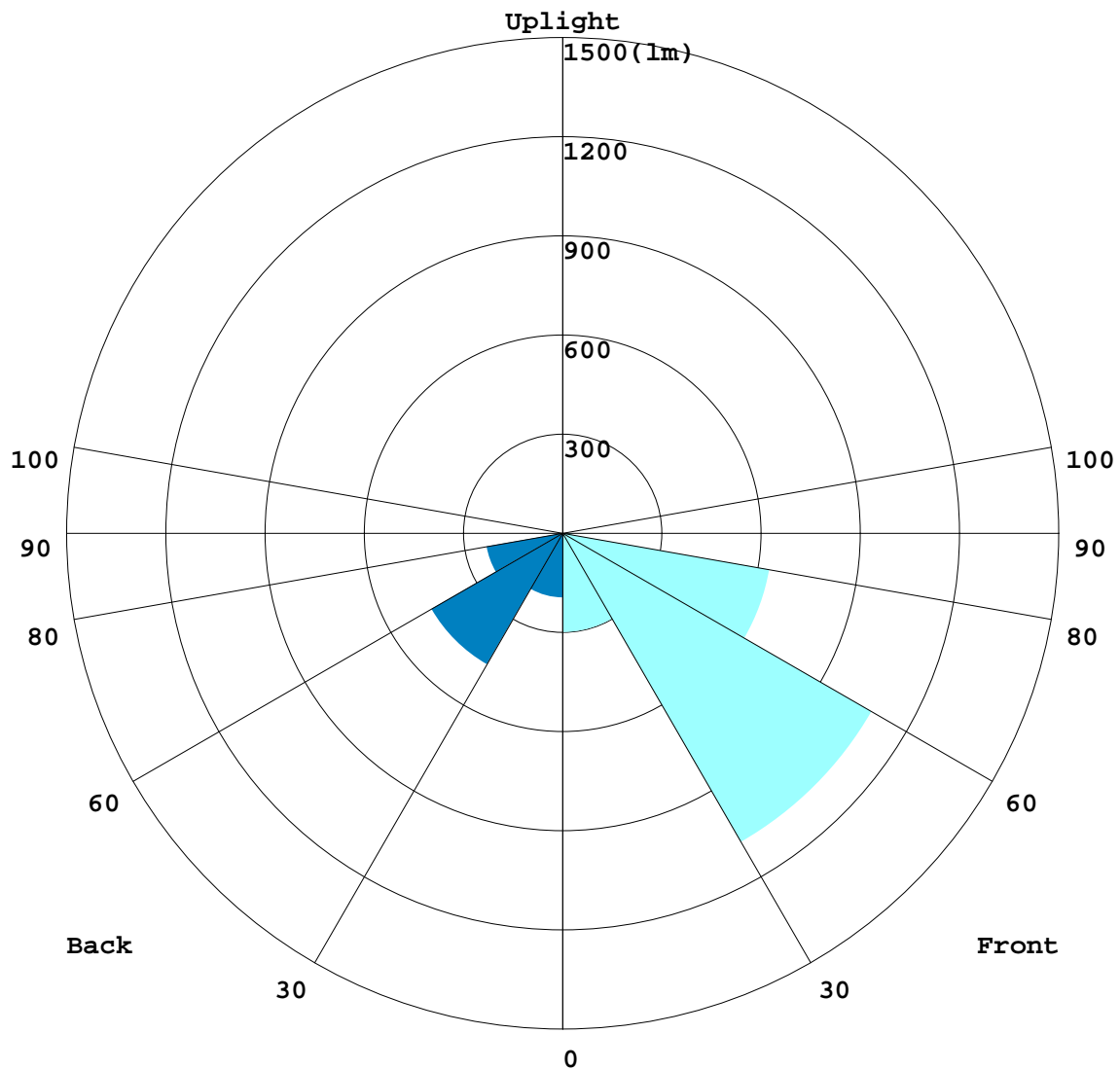
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-08-13

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:42.70V I:0.3499A P:14.94W PF:1.000 Freq:0Hz Lamp Flux:2942.76x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-15WSE-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:42.70V I:0.3499A P:14.94W PF:1.000 Freq:0Hz Lamp Flux:2942.76x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-15WSE-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)	299.35	10.2
FM - Front-Medium(30-60)	1079.1	36.7
FH - Front-High(60-80)	634.99	21.6
FVH - Front-Very High(80-90)	30.105	1.0
Total Forward Light	2043.6	69.4

BL - Back-Low(0-30)	194.54	6.6
BM - Back-Medium(30-60)	458.39	15.6
BH - Back-High(60-80)	233.37	7.9
BVH - Back-Very High(80-90)	12.866	0.4
Total Back Light	899.17	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	899.17	0	899.17
Street Side	2043.6	0	2043.6

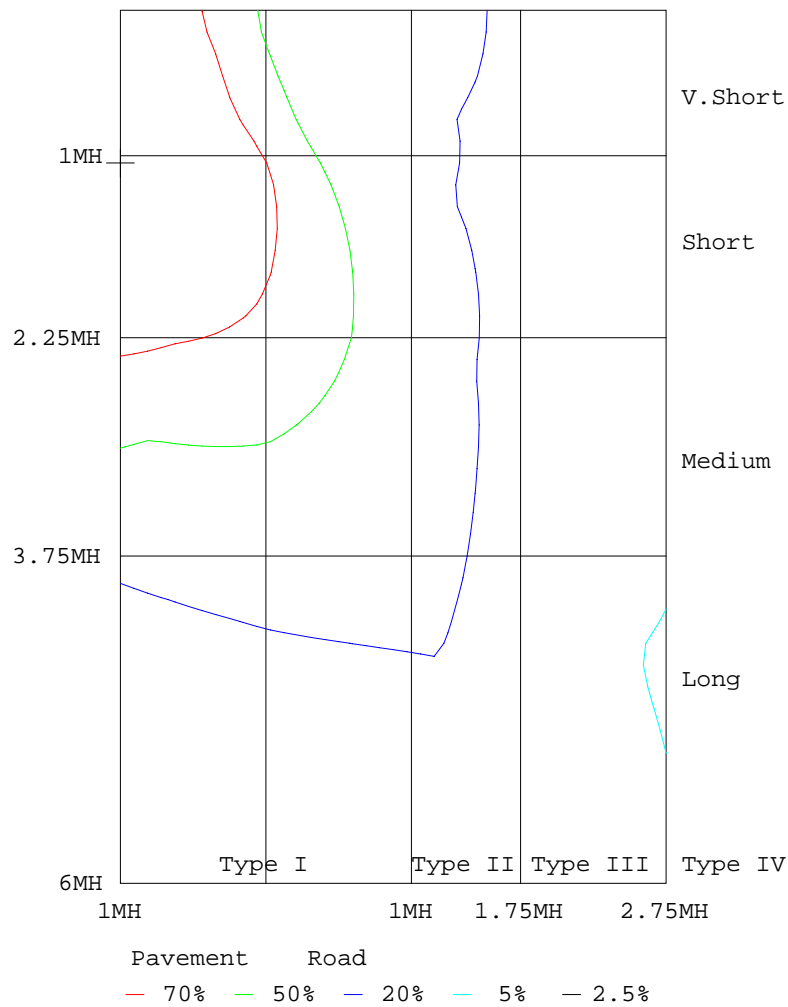
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-08-13

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:42.70V I:0.3499A P:14.94W PF:1.000 Freq:0Hz Lamp Flux:2942.76x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-15WSE-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:42.70V I:0.3499A P:14.94W PF:1.000 Freq:0Hz Lamp Flux:2942.76x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-15WSE-DC-L5-00-5070-T402-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	544	544	544	544	544	544	544	544	544	544	544	544	544	544	544	544	544	544	544
5	550	560	569	577	582	585	584	585	582	577	569	560	550	539	529	518	510	503	500
10	559	579	598	617	632	639	638	639	632	617	598	579	559	537	513	491	474	461	456
15	576	605	637	667	688	696	694	696	688	667	637	605	576	541	503	468	443	426	418
20	595	637	684	728	752	756	750	756	752	728	684	637	595	546	493	446	412	390	380
25	618	676	740	798	823	822	812	822	823	798	740	676	618	551	482	422	380	353	342
30	645	721	802	880	895	873	852	873	895	880	802	721	645	559	471	397	347	317	305
35	679	773	878	969	948	904	876	904	948	969	878	773	679	569	458	368	314	285	274
40	726	845	971	1031	975	917	880	917	975	1031	971	845	726	583	443	342	287	262	254
45	793	917	1038	1079	1004	912	862	912	1004	1079	1038	917	793	611	432	318	267	251	246
50	827	944	1064	1131	1020	887	810	887	1020	1131	1064	944	827	649	424	296	253	246	245
55	834	942	1056	1156	1023	829	746	829	1023	1156	1056	942	834	664	412	272	236	237	237
60	817	914	1017	1144	992	736	655	736	992	1144	1017	914	817	648	388	239	211	207	207
65	772	853	941	1087	911	608	525	608	911	1087	941	853	772	595	336	192	159	155	159
70	643	688	811	964	754	415	326	415	754	964	811	688	643	491	248	122	107	115	122
75	325	325	594	756	471	162	109	162	471	756	594	325	325	332	128	68.8	70.4	78.2	83.7
80	92.7	68.2	282	410	159	53.3	43.3	53.3	159	410	282	68.2	92.7	152	47.6	39.1	37.6	39.2	37.2
85	10.6	15.4	43.4	81.2	36.0	27.6	21.5	27.6	36.0	81.2	43.4	15.4	10.6	24.7	16.4	17.2	21.6	24.5	24.8
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:42.70V I:0.3499A P:14.94W PF:1.000 Freq:0Hz Lamp Flux:2942.76x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-15WSE-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	544	544	544	544	544														
5	503	510	518	529	539														
10	461	474	491	513	537														
15	426	443	468	503	541														
20	390	412	446	493	546														
25	353	380	422	482	551														
30	317	347	397	471	559														
35	285	314	368	458	569														
40	262	287	342	443	583														
45	251	267	318	432	611														
50	246	253	296	424	649														
55	237	236	272	412	664														
60	207	211	239	388	648														
65	155	159	192	336	595														
70	115	107	122	248	491														
75	78.2	70.4	68.8	128	332														
80	39.2	37.6	39.1	47.6	152														
85	24.5	21.6	17.2	16.4	24.7														
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:2020-08-13

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: