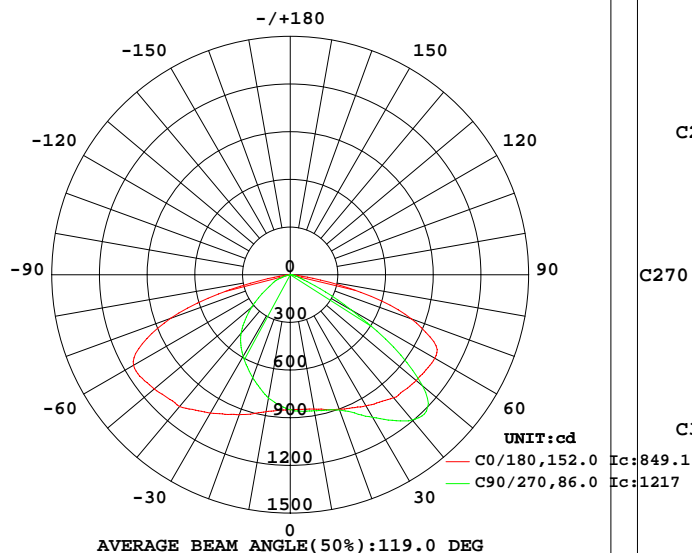
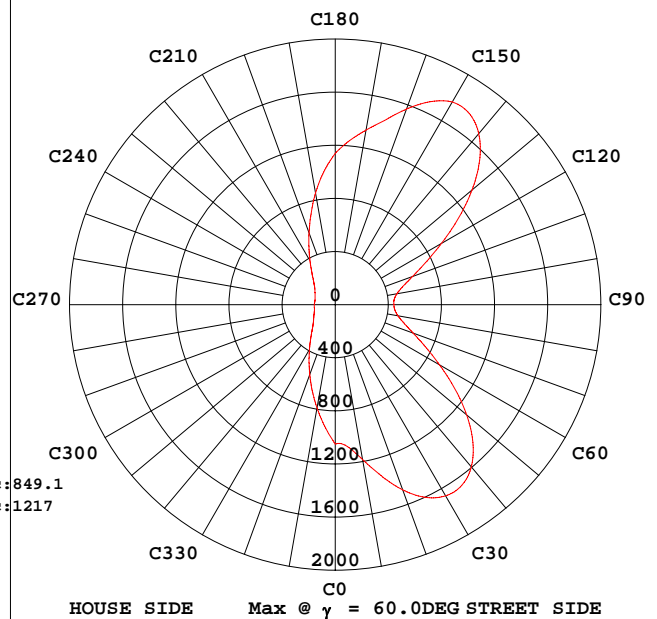


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.1010A P:20.32W PF:0.9181 Freq:50.01Hz Lamp Flux:3509.06x1 lm		
NAME: AoK iLF	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-20WiLF-NV-L2-00-4070-T201-P	DIM.: 550*215*100mm	SERIAL No.:
MFR.: AOK	SUR.:150*100mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 172.70 lm/W			
MODEL	2835	I _{max} (cd)	1763	η street_up(%)	0.0
NOMINAL POWER(W)	20	LOR(%)	100.0	η street_down(%)	65.6
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	3509	η house_up(%)	0.0
NOMINAL FLUX(lm)	3509.06	MAXIMUM @(C,γ)	150,60.0	η house_down(%)	34.4
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	19.181

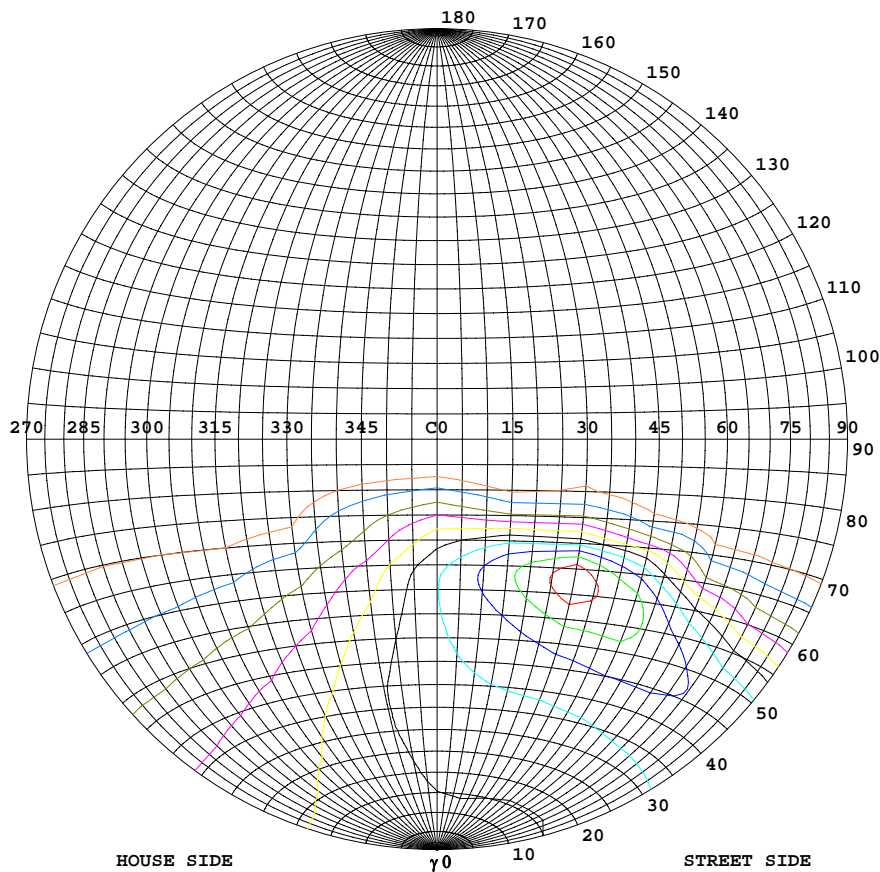
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-9-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.2V I:0.1010A P:20.32W PF:0.9181 Freq:50.01Hz Lamp Flux:3509.06x1 lm		
NAME: AoK iLF	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-20WiLF-NV-L2-00-4070-T201-P	DIM.: 550*215*100mm	SERIAL No.:
MFR.: AOK	SUR.:150*100mm	Shielding Angle:



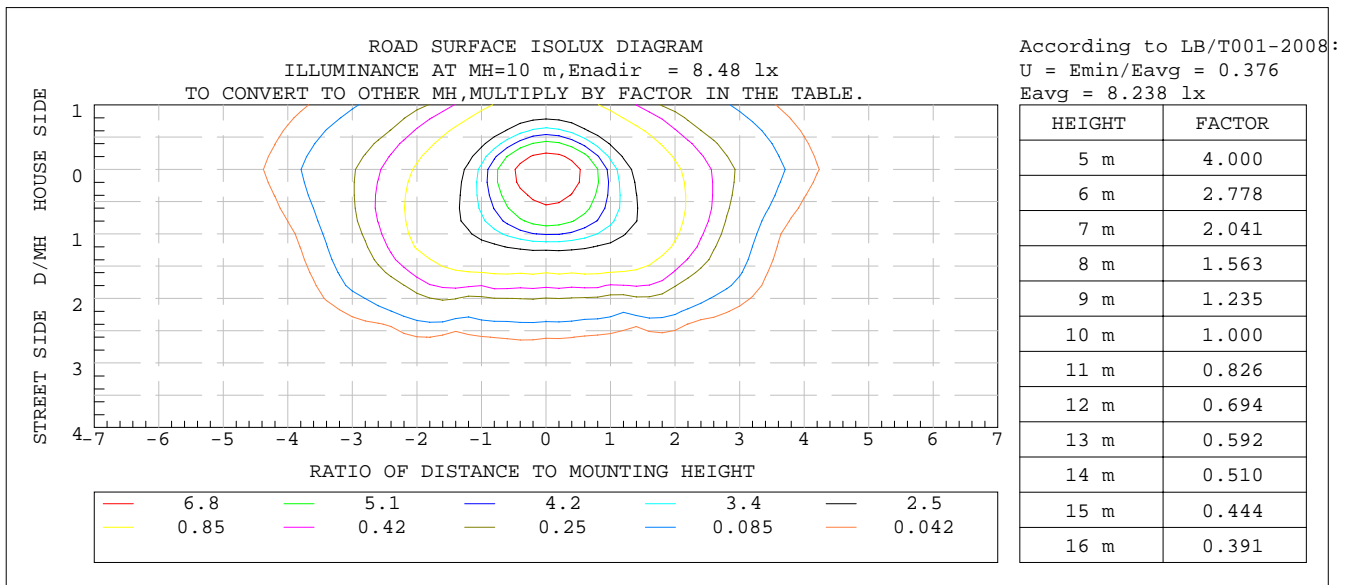
Classification:

IES:Type II - Short
CIE:Average - Intermediate
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:55.10cd/klm
Max.At90:0cd/klm
Max.80-90:55.10cd/klm
NRB 5101:Semi limited[13.1%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1763
90%	1587
80%	1410
70%	1234
60%	1058
50%	881
40%	705
30%	529
20%	353
10%	176
5%	88

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-9-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
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: yanyonggeng
Test Date: 2024-9-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.2V I:0.1010A P:20.32W PF:0.9181 Freq:50.01Hz Lamp Flux:3509.06x1 lm		
NAME: AoK iLF	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-20WiLF-NV-L2-00-4070-T201-P	DIM.: 550*215*100mm	SERIAL No.:
MFR.: AOK	SUR.:150*100mm	Shielding Angle:

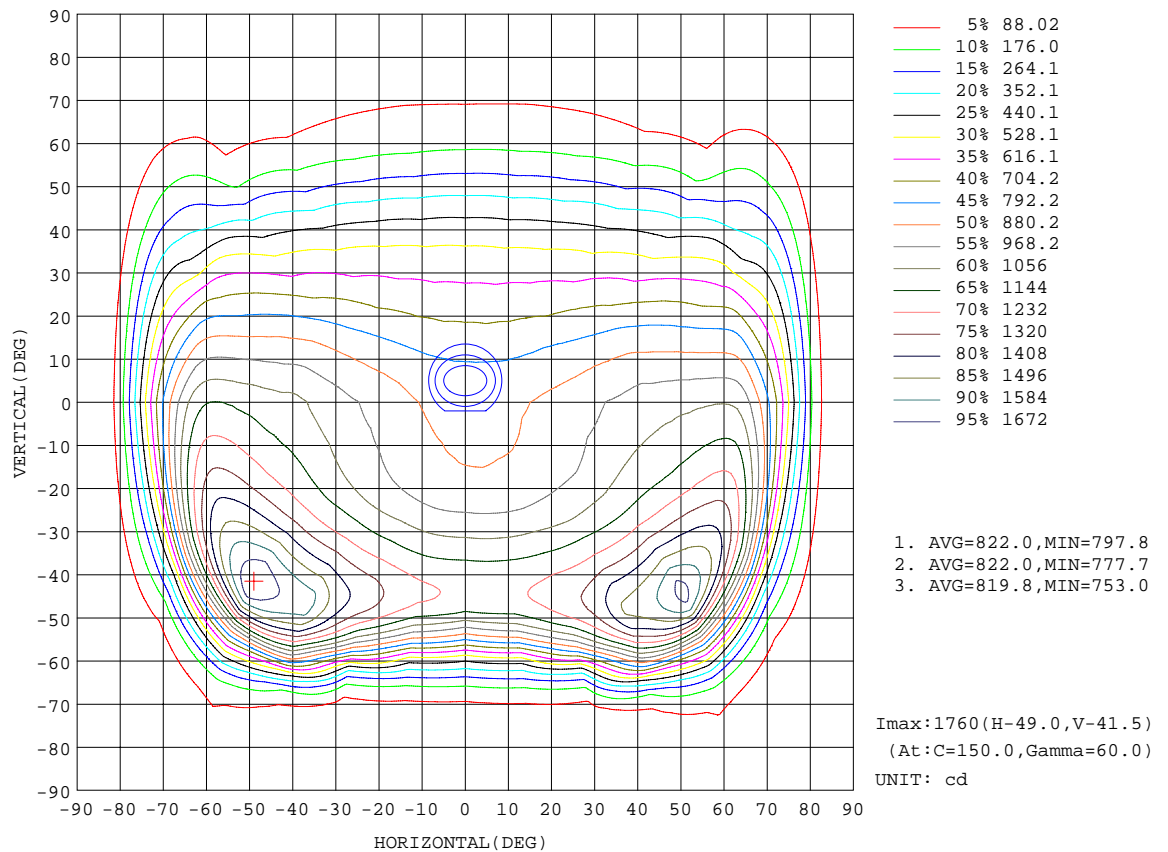
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	857.8	866.7	868.9	880.5	874.7	818.9	788.8	808.2	0- 10	80.78	80.78	2.3,2.3
20	902.0	899.1	905.3	935.5	936.4	775.2	689.1	756.7	10- 20	240.0	320.8	9.14,9.14
30	951.5	979.8	1036	1029	1005	699.9	593.2	682.0	20- 30	397.5	718.4	20.5,20.5
40	1011	1128	1192	1214	1082	594.5	481.1	581.7	30- 40	558.6	1277	36.4,36.4
50	1035	1355	1086	1482	1118	444.6	316.2	444.2	40- 50	703.4	1980	56.4,56.4
60	1051	1467	442.2	1538	1139	226.7	158.4	241.6	50- 60	755.3	2736	78,78
70	810.3	631.7	80.44	485.3	799.3	78.66	77.37	87.99	60- 70	572.7	3308	94.3,94.3
80	193.4	45.60	25.67	37.48	142.8	19.01	5.422	23.99	70- 80	182.1	3490	99.5,99.5
90	0	0	0	0	0	0	0	0	80- 90	18.62	3509	100,100
100	0	0	0	0	0	0	0	0	90-100	0	3509	100,100
110	0	0	0	0	0	0	0	0	100-110	0	3509	100,100
120	0	0	0	0	0	0	0	0	110-120	0	3509	100,100
130	0	0	0	0	0	0	0	0	120-130	0	3509	100,100
140	0	0	0	0	0	0	0	0	130-140	0	3509	100,100
150	0	0	0	0	0	0	0	0	140-150	0	3509	100,100
160	0	0	0	0	0	0	0	0	150-160	0	3509	100,100
170	0	0	0	0	0	0	0	0	160-170	0	3509	100,100
180	0	0	0	0	0	0	0	0	170-180	0	3509	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-9-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

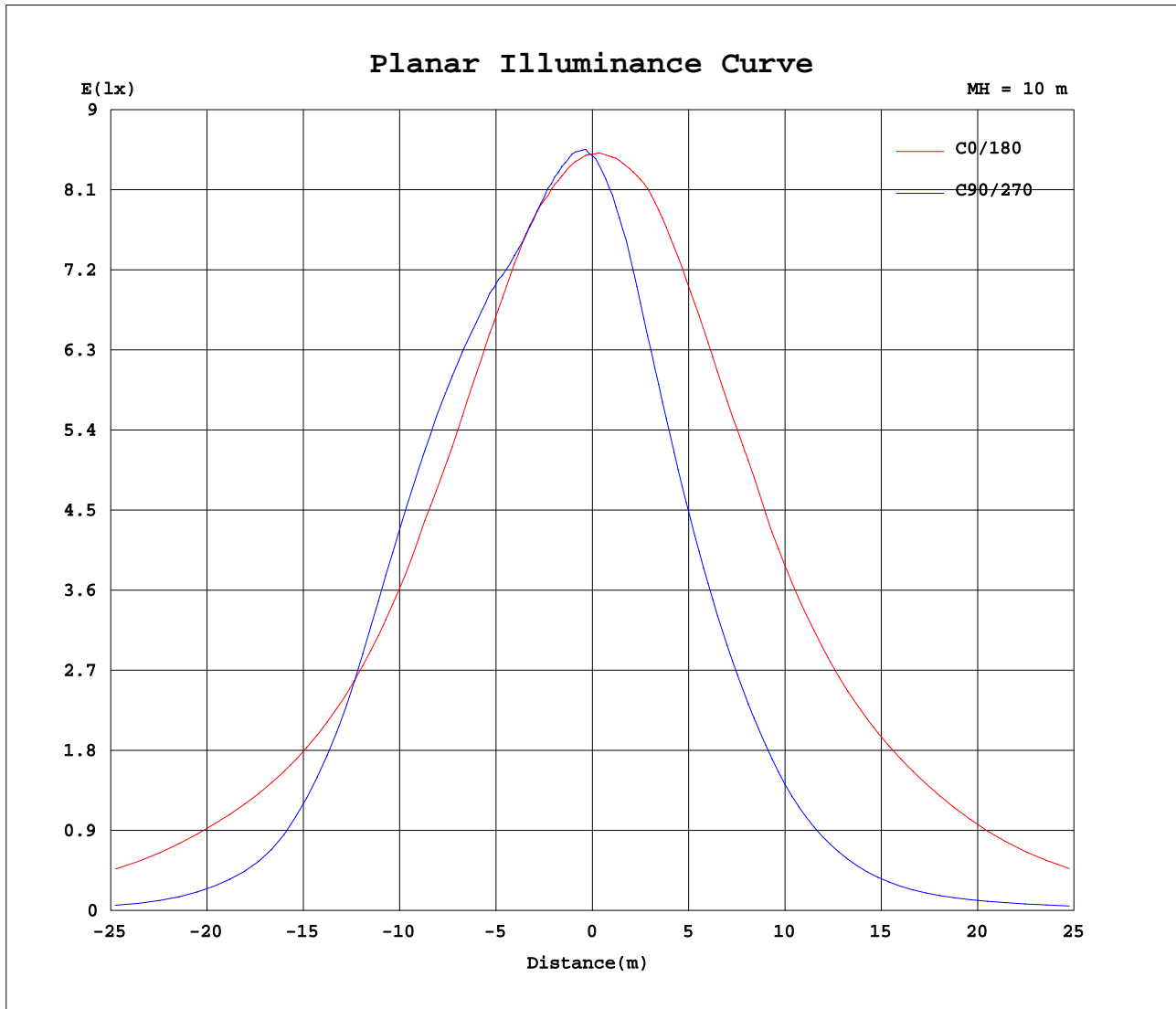
Test:U:219.2V I:0.1010A P:20.32W PF:0.9181 Freq:50.01Hz Lamp Flux:3509.06x1 lm		
NAME: AoK iLF	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-20WiLF-NV-L2-00-4070-T201-P	DIM.: 550*215*100mm	SERIAL No.:
MFR.: AOK	SUR.:150*100mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yanyonggeng
Test Date: 2024-9-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

Planar Illuminance Curve



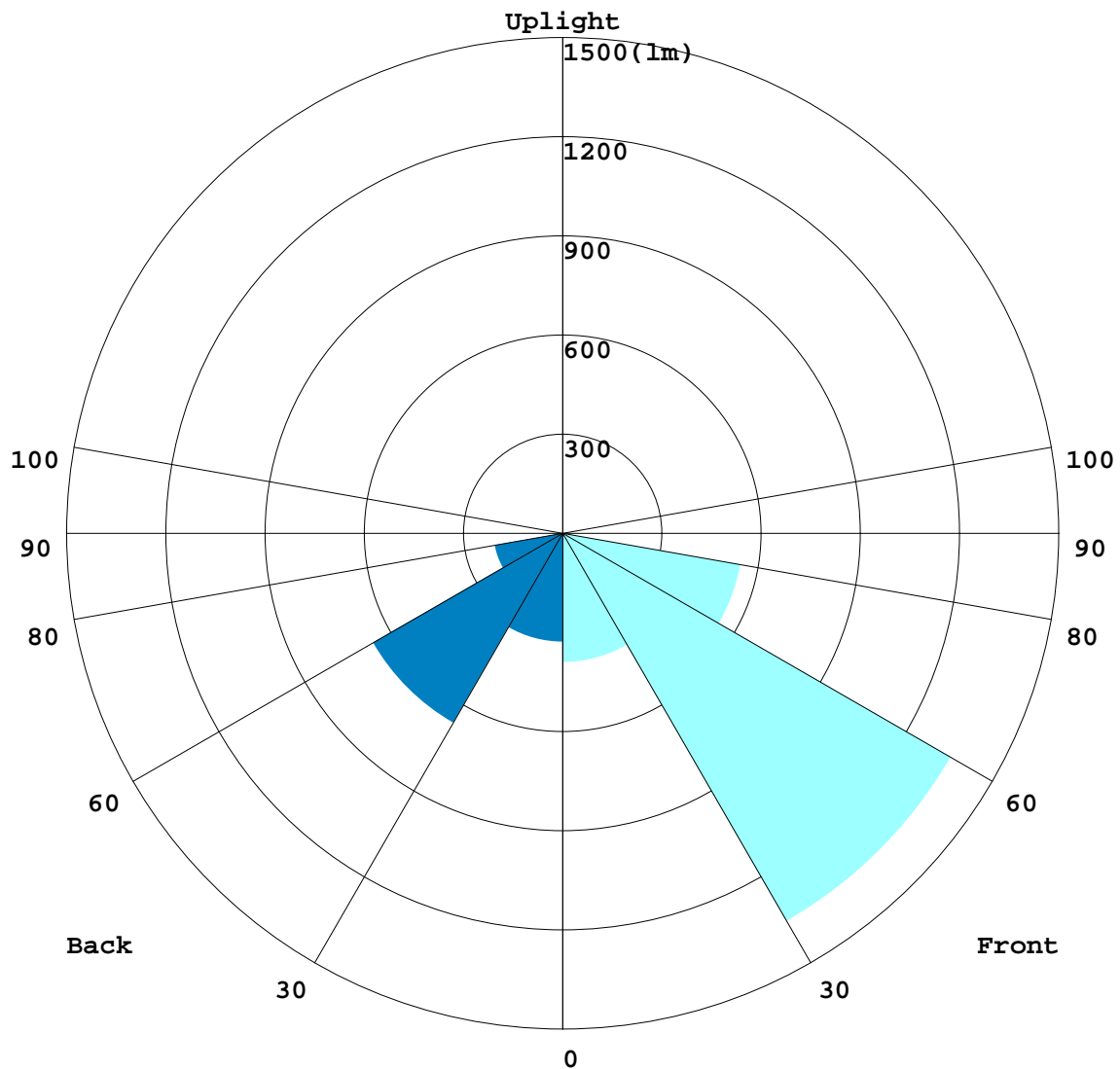
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yanyonggeng
Test Date: 2024-9-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

LCS REPORT

Test:U:219.2V I:0.1010A P:20.32W PF:0.9181 Freq:50.01Hz Lamp Flux:3509.06x1 lm		
NAME: AoK iLF	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-20WiLF-NV-L2-00-4070-T201-P	DIM.: 550*215*100mm	SERIAL No.:
MFR.: AOK	SUR.:150*100mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-9-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

BUG REPORT

Test:U:219.2V I:0.1010A P:20.32W PF:0.9181 Freq:50.01Hz Lamp Flux:3509.06x1 lm		
NAME: AoK iLF	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-20WiLF-NV-L2-00-4070-T201-P	DIM.: 550*215*100mm	SERIAL No.:
MFR.: AOK	SUR.:150*100mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	389.97	11.1
FM - Front-Medium(30-60)	1355.1	38.6
FH - Front-High(60-80)	545.99	15.6
FVH - Front-Very High(80-90)	11.169	0.3
Total Forward Light	2302.3	65.6

BL - Back-Low(0-30)	328.39	9.4
BM - Back-Medium(30-60)	662.2	18.9
BH - Back-High(60-80)	208.76	5.9
BVH - Back-Very High(80-90)	7.4505	0.2
Total Back Light	1206.8	34.4

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	1206.8	0	1206.8
Street Side	2302.3	0	2302.3

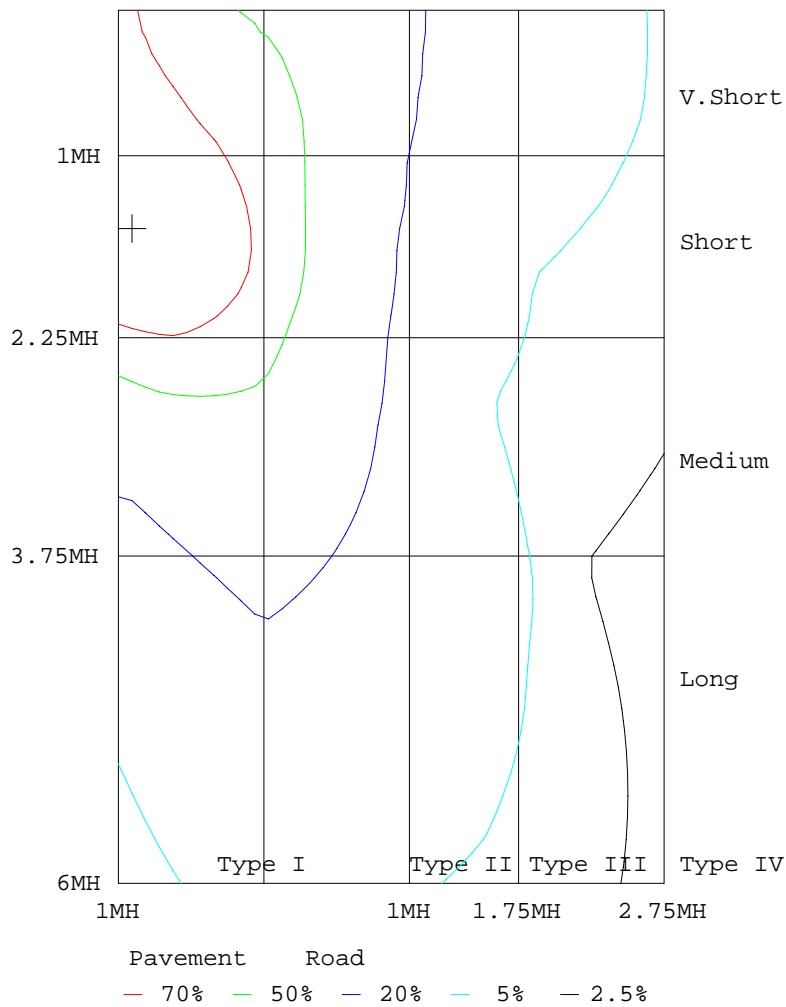
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yanyonggeng
 Test Date:2024-9-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.2V I:0.1010A P:20.32W PF:0.9181 Freq:50.01Hz Lamp Flux:3509.06x1 lm		
NAME: AoK iLF	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-20WiLF-NV-L2-00-4070-T201-P	DIM.: 550*215*100mm	SERIAL No.:
MFR.: AOK	SUR.:150*100mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-9-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:0.1010A P:20.32W PF:0.9181 Freq:50.01Hz Lamp Flux:3509.06x1 lm		
NAME: AoK iLF	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-20WiLF-NV-L2-00-4070-T201-P	DIM.: 550*215*100mm	SERIAL No.:
MFR.: AOK	SUR.:150*100mm	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	849	849	849	849	849	849	849	849	849	849	849	849	849	849	849	849	849	849	849
5	850	854	856	856	859	861	863	863	864	865	863	860	857	852	842	834	828	825	822
10	858	865	866	867	864	868	869	872	878	880	882	882	875	859	839	819	802	792	789
15	879	887	882	877	878	879	882	885	893	902	913	917	906	877	838	800	767	746	738
20	902	914	911	899	895	899	905	910	918	936	949	952	936	894	837	775	725	698	689
25	923	938	936	931	932	946	960	961	969	973	983	988	970	905	823	740	682	650	641
30	952	972	967	980	999	1021	1036	1036	1042	1029	1027	1031	1005	917	801	700	638	603	593
35	979	1010	1018	1040	1076	1099	1118	1117	1127	1114	1096	1083	1040	926	772	652	585	551	542
40	1011	1054	1082	1128	1163	1181	1192	1202	1219	1214	1169	1138	1082	919	726	594	528	492	481
45	1022	1099	1169	1230	1245	1221	1212	1249	1319	1337	1276	1193	1095	891	664	527	457	412	401
50	1035	1150	1290	1355	1284	1148	1086	1171	1361	1482	1423	1264	1118	847	585	445	361	323	316
55	1043	1234	1465	1477	1187	909	794	923	1235	1606	1619	1361	1137	788	494	334	266	234	230
60	1051	1332	1662	1467	907	535	442	526	923	1538	1763	1436	1139	707	381	227	177	157	158
65	997	1344	1655	1173	431	258	206	242	390	1150	1531	1312	1027	551	237	136	115	114	118
70	810	1014	1009	632	136	94.4	80.4	85.3	117	485	812	848	799	394	118	78.7	84.1	84.8	77.4
75	528	374	381	122	54.3	52.3	42.3	49.8	49.8	103	272	262	467	239	59.4	49.6	59.4	43.7	36.7
80	193	74.7	97.1	45.6	29.2	28.0	25.7	26.8	25.8	37.5	87.8	38.1	143	94.7	25.8	19.0	31.0	20.8	5.42
85	25.9	13.1	44.7	13.3	11.0	13.4	11.5	12.1	8.81	9.14	21.3	8.10	11.5	9.91	4.63	4.80	5.40	4.72	1.17
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:yanyonggeng

Test Date:2024-9-13

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T

Humidity:65.0%

Test Distance:7.682m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:0.1010A P:20.32W PF:0.9181 Freq:50.01Hz Lamp Flux:3509.06x1 lm		
NAME: AoK iLF	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-20WiLF-NV-L2-00-4070-T201-P	DIM.: 550*215*100mm	SERIAL No.:
MFR.: AOK	SUR.:150*100mm	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	849	849	849	849	849														
5	821	825	829	834	841														
10	790	797	808	825	841														
15	742	760	787	818	851														
20	693	717	757	811	862														
25	646	673	723	797	869														
30	598	628	682	773	874														
35	546	577	635	742	877														
40	489	521	582	699	872														
45	410	454	519	641	844														
50	324	365	444	571	803														
55	238	274	344	489	744														
60	163	187	242	389	671														
65	117	122	151	262	566														
70	86.7	88.2	88.0	134	398														
75	43.0	63.2	53.5	67.7	267														
80	21.6	35.3	24.0	31.6	117														
85	8.46	9.19	7.42	7.70	20.1														
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:yanyonggeng
Test Date:2024-9-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks: