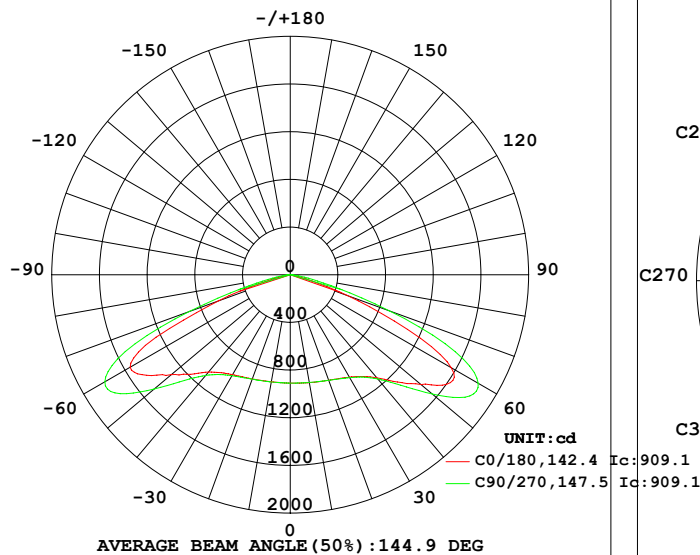
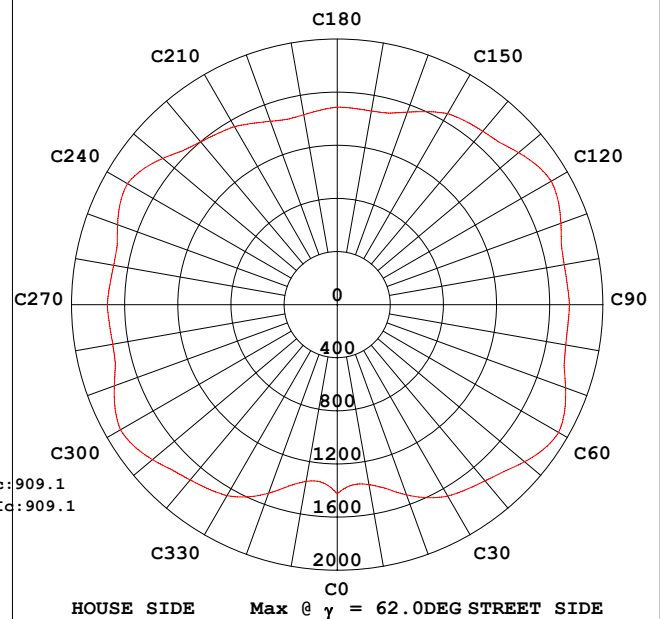


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.2348A P:50.25W PF:0.9764 Freq:49.90Hz Lamp Flux:5695.13x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WiP-NV-L3-00-3080-T501-P	DIM.: $\Phi 460 \times 80$ mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi 409 \times 297$ mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 113.33 lm/W			
MODEL	3030	I _{max} (cd)	1924	η street_up (%)	0.0
NOMINAL POWER (W)	50	LOR (%)	100.0	η street_down (%)	50.5
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	5695	η house_up (%)	0.0
NOMINAL FLUX (lm)	5695.13	MAXIMUM @ (C, γ)	60, 62.0	η house_down (%)	49.5
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	15.961

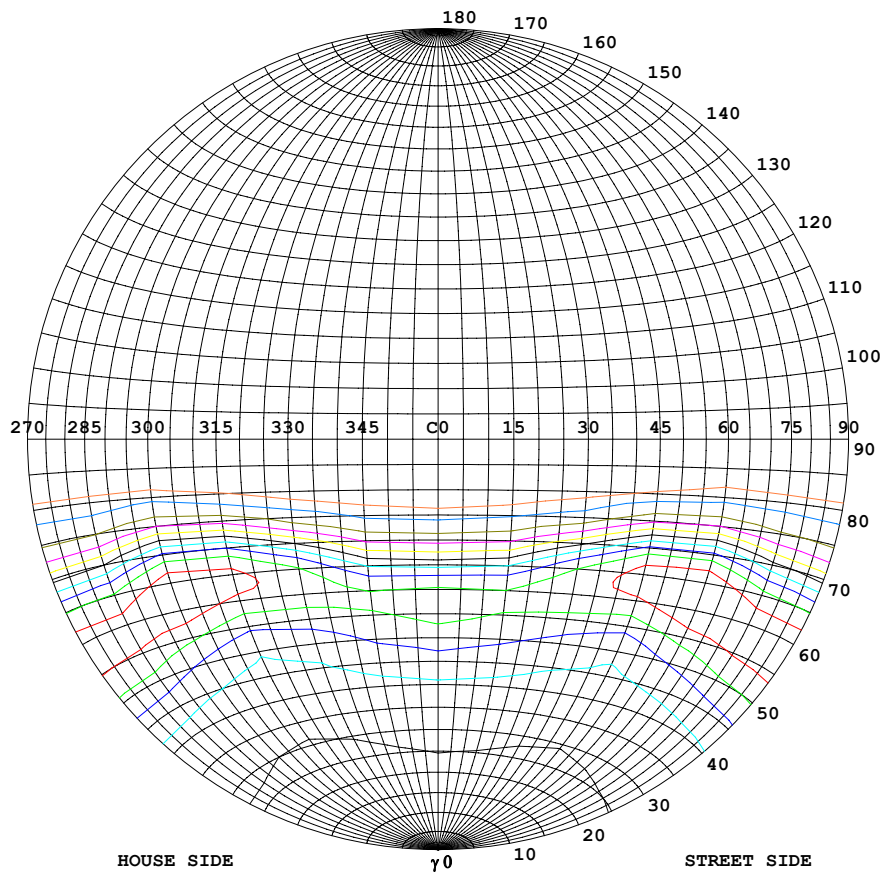
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2021-03-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.2V I:0.2348A P:50.25W PF:0.9764 Freq:49.90Hz Lamp Flux:5695.13x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WiP-NV-L3-00-3080-T501-P	DIM.: Φ 460*80mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 409-297mm	Shielding Angle:



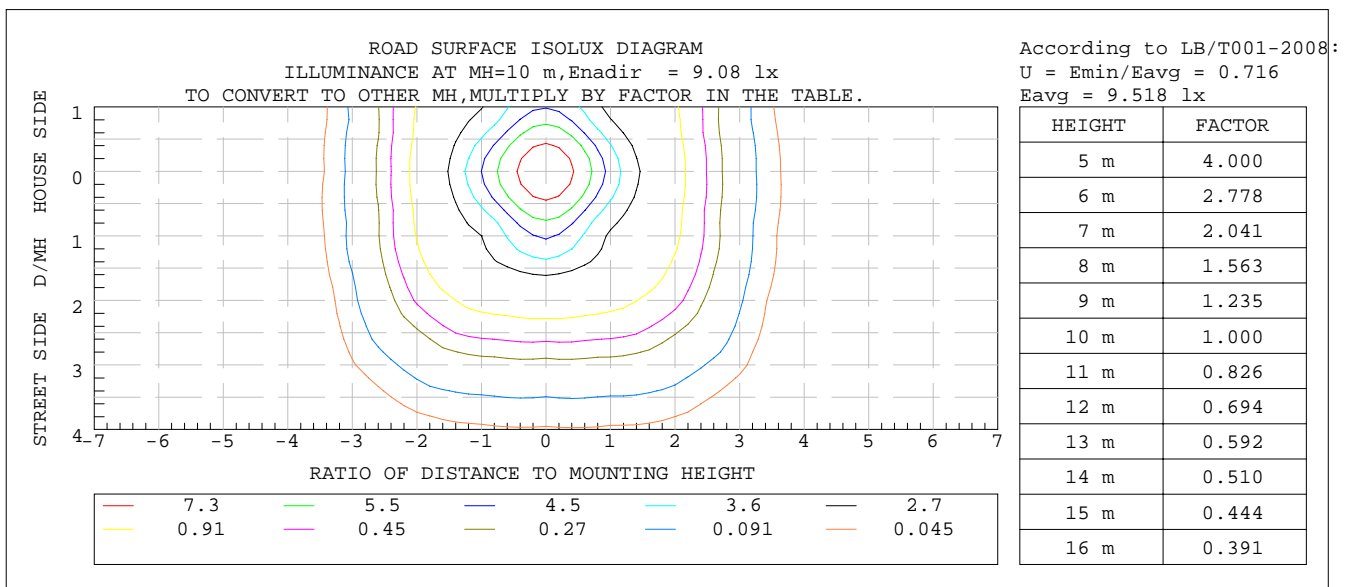
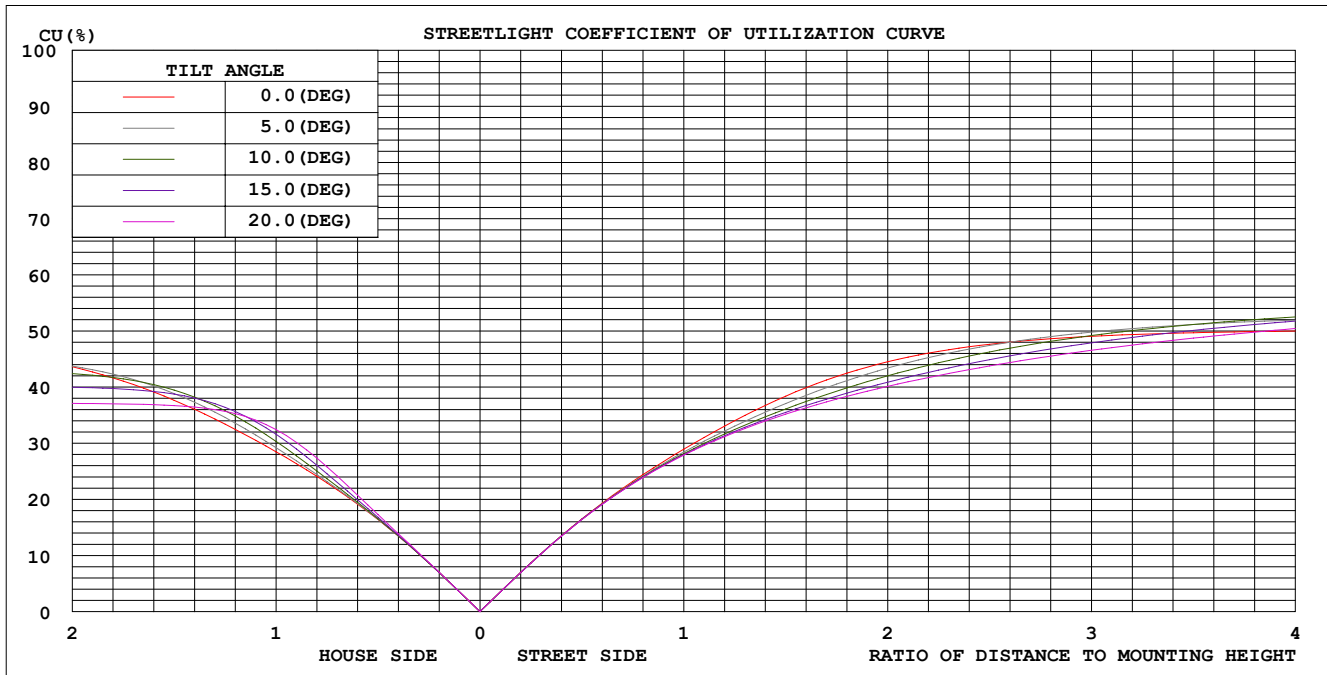
Classification:

IES:Type IV - Very Short
CIE:Broad - Intermediate
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:30.41cd/klm
Max.At90:0cd/klm
Max.80-90:30.41cd/klm
NRB 5101:Limited[3.9%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1924
90%	1732
80%	1539
70%	1347
60%	1155
50%	962
40%	770
30%	577
20%	385
10%	192
5%	96

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-03-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
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:
Test Date: 2021-03-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.2V I:0.2348A P:50.25W PF:0.9764 Freq:49.90Hz Lamp Flux:5695.13x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WiP-NV-L3-00-3080-T501-P	DIM.: Φ 460*80mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 409-297mm	Shielding Angle:

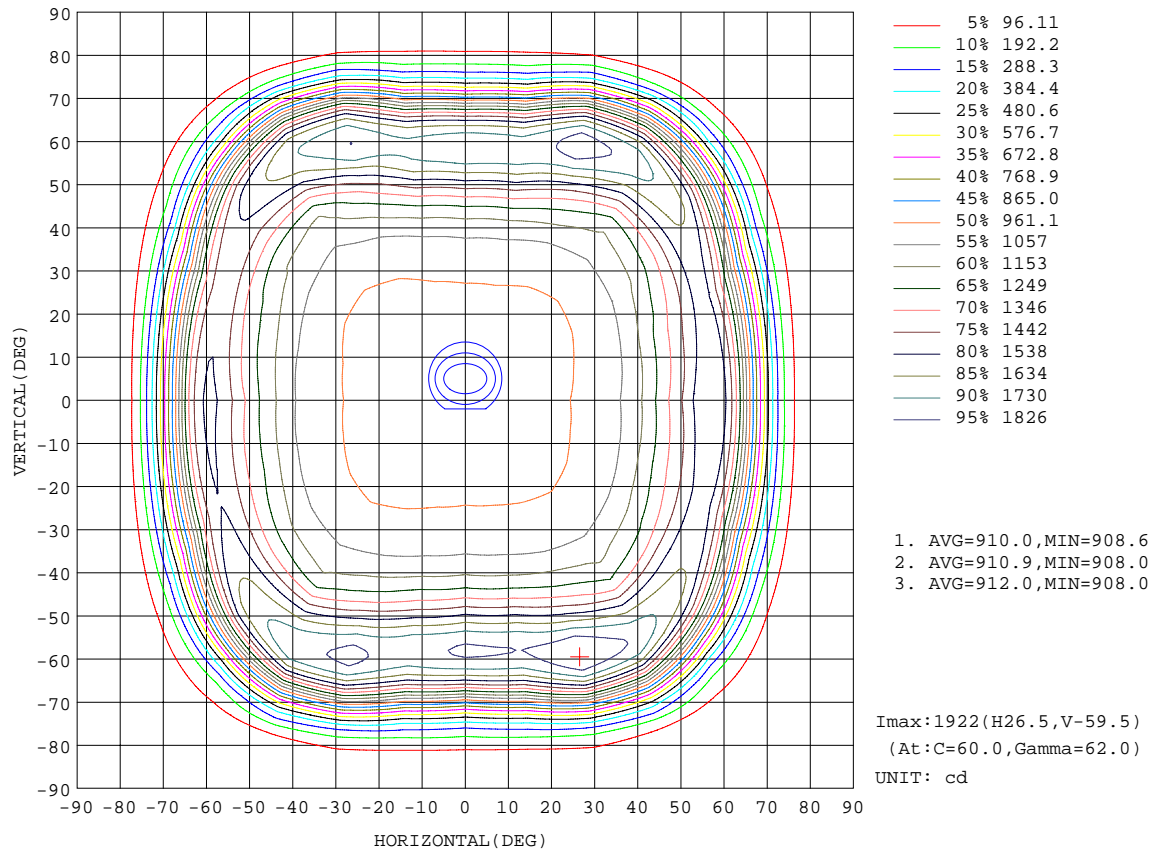
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	919.2	919.1	918.4	914.5	911.9	911.8	913.6	916.4	0- 10	87.08	87.08	1.53,1.53
20	942.5	936.5	942.5	929.7	930.5	924.3	932.7	932.4	10- 20	262.2	349.2	6.13,6.13
30	992.4	965.4	997.2	954.6	968.4	944.9	978.7	957.5	20- 30	440.1	789.3	13.9,13.9
40	1129	1044	1142	1019	1066	1002	1103	1030	30- 40	635.4	1425	25,25
50	1434	1209	1557	1154	1305	1102	1493	1181	40- 50	917.3	2342	41.1,41.1
60	1558	1696	1820	1630	1550	1546	1796	1680	50- 60	1363	3705	65.1,65.1
70	509.2	1384	887.0	1522	637.6	1457	898.0	1341	60- 70	1468	5173	90.8,90.8
80	34.49	111.4	122.3	149.7	47.27	125.5	120.0	103.0	70- 80	487.0	5660	99.4,99.4
90	0	0	0	0	0	0	0	0	80- 90	34.80	5695	100,100
100	0	0	0	0	0	0	0	0	90-100	0	5695	100,100
110	0	0	0	0	0	0	0	0	100-110	0	5695	100,100
120	0	0	0	0	0	0	0	0	110-120	0	5695	100,100
130	0	0	0	0	0	0	0	0	120-130	0	5695	100,100
140	0	0	0	0	0	0	0	0	130-140	0	5695	100,100
150	0	0	0	0	0	0	0	0	140-150	0	5695	100,100
160	0	0	0	0	0	0	0	0	150-160	0	5695	100,100
170	0	0	0	0	0	0	0	0	160-170	0	5695	100,100
180	0	0	0	0	0	0	0	0	170-180	0	5695	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:2021-03-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

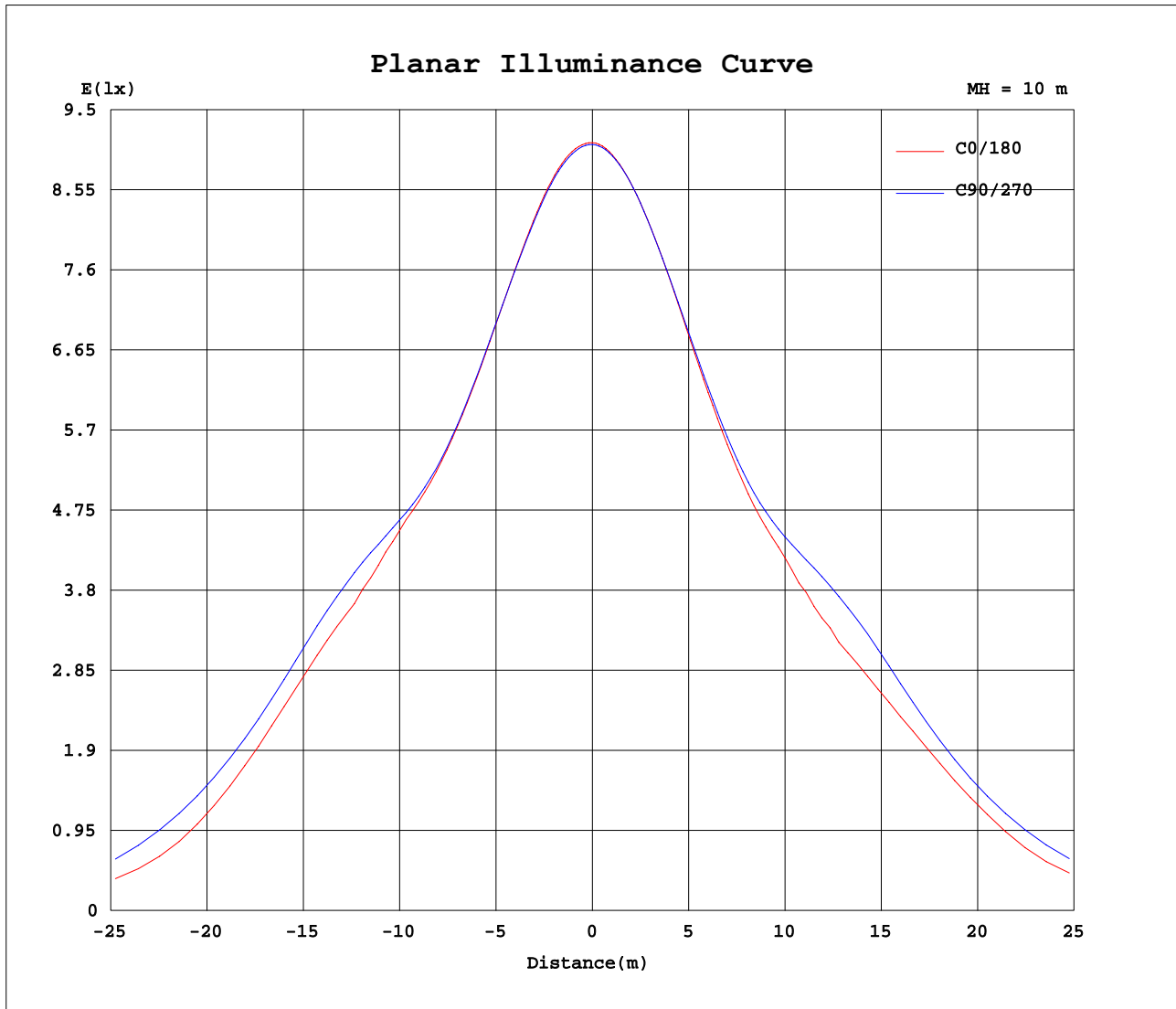
Test:U:219.2V I:0.2348A P:50.25W PF:0.9764 Freq:49.90Hz Lamp Flux:5695.13x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WiP-NV-L3-00-3080-T501-P	DIM.: Φ 460*80mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 409-297mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-03-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

Planar Illuminance Curve



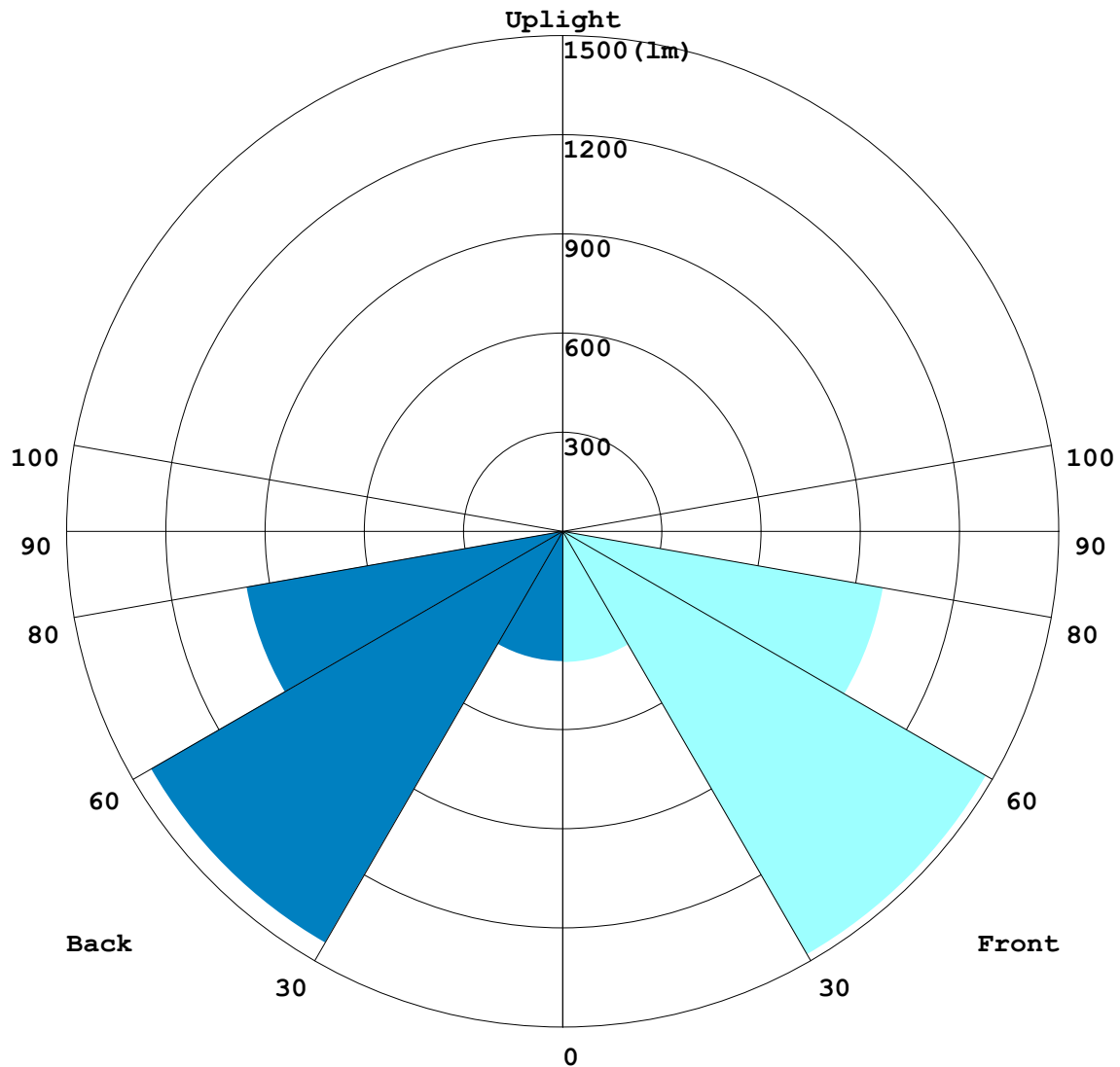
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2021-03-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

LCS REPORT

Test:U:219.2V I:0.2348A P:50.25W PF:0.9764 Freq:49.90Hz Lamp Flux:5695.13x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WiP-NV-L3-00-3080-T501-P	DIM.: Φ 460*80mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 409-297mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-03-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

BUG REPORT

Test:U:219.2V I:0.2348A P:50.25W PF:0.9764 Freq:49.90Hz Lamp Flux:5695.13x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WiP-NV-L3-00-3080-T501-P	DIM.: Φ 460*80mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 409-297mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	396.07	7.0
FM - Front-Medium(30-60)	1478.4	26.0
FH - Front-High(60-80)	984.47	17.3
FVH - Front-Very High(80-90)	18.059	0.3
Total Forward Light	2877	50.5

BL - Back-Low(0-30)	393.26	6.9
BM - Back-Medium(30-60)	1437.3	25.2
BH - Back-High(60-80)	970.88	17.0
BVH - Back-Very High(80-90)	16.737	0.3
Total Back Light	2818.1	49.5

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	B2-U0-G2
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2818.1	0	2818.1
Street Side	2877	0	2877

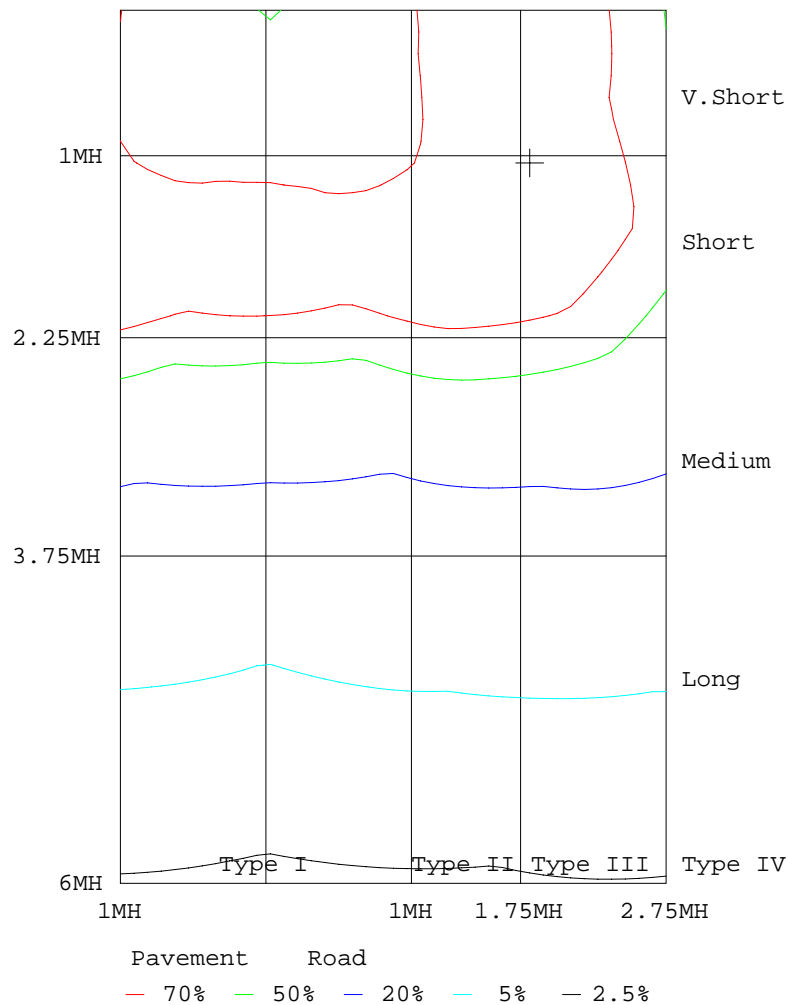
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-03-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.2V I:0.2348A P:50.25W PF:0.9764 Freq:49.90Hz Lamp Flux:5695.13x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WiP-NV-L3-00-3080-T501-P	DIM.: $\Phi 460 \times 80$ mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi 409 \times 297$ mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-03-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:0.2348A P:50.25W PF:0.9764 Freq:49.90Hz Lamp Flux:5695.13x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WiP-NV-L3-00-3080-T501-P	DIM.: Φ 460*80mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 409-297mm	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	909	909	909	909	909	909	909	909	909	909	909	909	909	909	909	909	909	909	909
5	912	912	913	913	913	912	912	911	911	910	909	909	909	909	909	909	909	909	910
10	919	919	919	919	919	919	918	917	916	915	913	912	912	911	911	912	912	913	914
15	929	929	929	928	928	928	928	926	924	921	920	920	919	918	917	918	918	920	921
20	942	941	939	936	938	941	943	940	934	930	929	931	931	928	925	924	926	931	933
25	962	959	952	948	954	961	965	959	948	940	940	945	946	942	935	932	937	947	951
30	992	985	972	965	976	989	997	988	969	955	956	965	968	962	949	945	953	970	979
35	1043	1029	1007	994	1010	1034	1049	1032	1001	978	982	997	1004	994	973	965	980	1008	1023
40	1129	1107	1069	1044	1073	1116	1142	1111	1058	1019	1021	1053	1066	1051	1013	1002	1028	1077	1103
45	1273	1237	1167	1114	1188	1266	1311	1255	1152	1077	1097	1156	1181	1142	1081	1052	1121	1210	1254
50	1434	1384	1287	1209	1359	1501	1557	1467	1305	1154	1192	1284	1305	1251	1154	1102	1257	1431	1493
55	1602	1525	1486	1417	1626	1749	1790	1721	1564	1339	1370	1428	1471	1381	1301	1258	1479	1686	1740
60	1558	1539	1648	1696	1888	1818	1820	1788	1815	1630	1597	1538	1550	1506	1490	1546	1764	1756	1796
65	1085	1155	1537	1804	1870	1601	1528	1592	1826	1810	1648	1296	1241	1247	1553	1722	1805	1571	1527
70	509	558	919	1384	1396	1022	887	1024	1419	1522	1127	703	638	670	1089	1457	1462	998	898
75	138	177	279	549	583	410	356	419	642	680	383	244	213	218	372	631	663	401	359
80	34.5	41.9	57.3	111	150	130	122	136	173	150	86.0	55.8	47.3	53.9	77.0	125	166	128	120
85	15.0	15.3	15.8	16.8	27.5	32.0	29.3	35.3	34.6	19.6	17.6	17.8	17.6	17.5	18.3	17.5	31.4	30.1	27.0
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:2021-03-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:0.2348A P:50.25W PF:0.9764 Freq:49.90Hz Lamp Flux:5695.13x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WiP-NV-L3-00-3080-T501-P	DIM.: Φ 460*80mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 409-297mm	Shielding Angle:

Table--2

UNIT: cd

γ (DEG) \ C (DEG)	285	300	315	330	345														
0	909	909	909	909	909														
5	910	910	911	911	912														
10	915	915	916	917	918														
15	922	922	924	926	928														
20	933	931	932	935	940														
25	951	944	942	947	957														
30	976	963	957	966	983														
35	1016	993	984	999	1025														
40	1090	1049	1030	1054	1102														
45	1231	1157	1094	1143	1233														
50	1462	1312	1181	1250	1370														
55	1711	1577	1394	1435	1514														
60	1781	1841	1680	1635	1535														
65	1557	1841	1777	1557	1143														
70	960	1381	1341	957	551														
75	376	579	517	307	167														
80	123	144	103	57.3	39.8														
85	26.8	24.6	13.8	14.2	14.1														
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:
 Test Date:2021-03-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks: