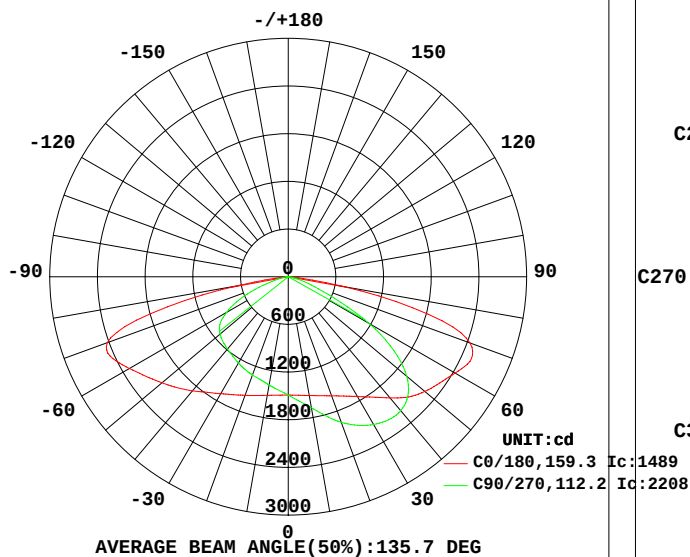
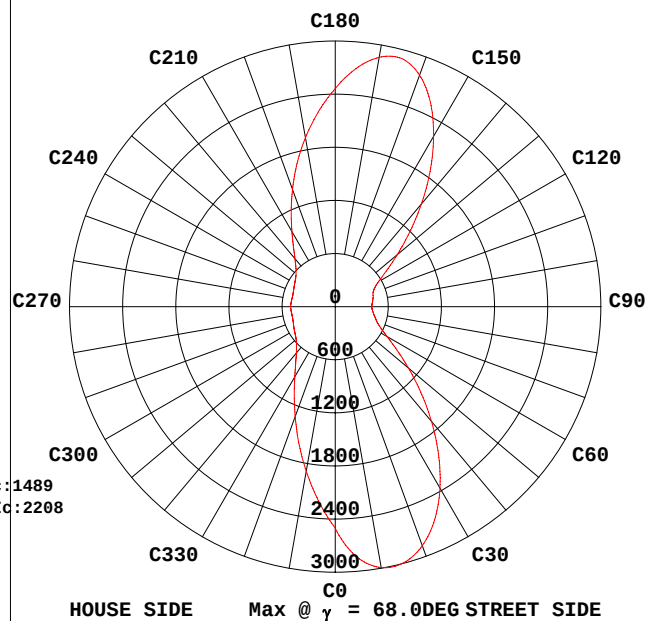


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.2407A P:48.87W PF:0.9258 Freq:60.01Hz Lamp Flux:7601.87x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-50W iLA-NVS-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 155.55 lm/W			
MODEL	3030	I _{max} (cd)	2992	η street_up(%)	0.0
NOMINAL POWER(W)	50	LOR(%)	100.0	η street_down(%)	61.0
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	7602	η house_up(%)	0.0
NOMINAL FLUX(lm)	7601.87	MAXIMUM @(C,γ)	15,68.0	η house_down(%)	39.0
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	21.026

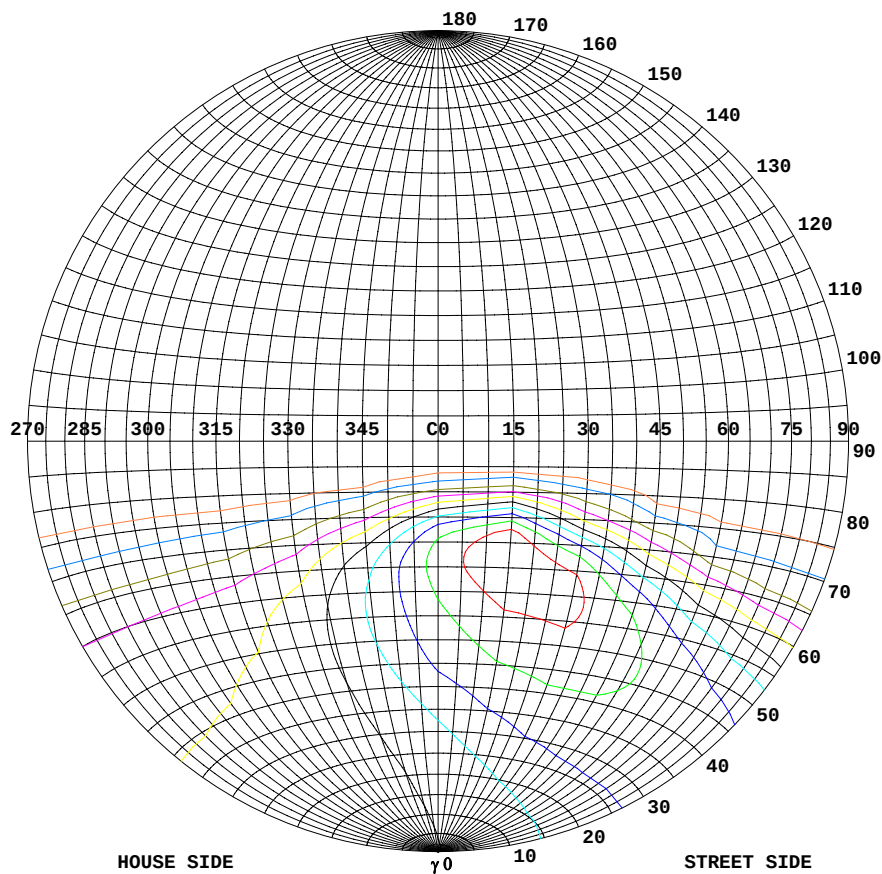
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-06-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.3V I:0.2407A P:48.87W PF:0.9258 Freq:60.01Hz Lamp Flux:7601.87x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Light Weight:3.6kg
SPEC.:AOK-50WiLA-NVS-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:



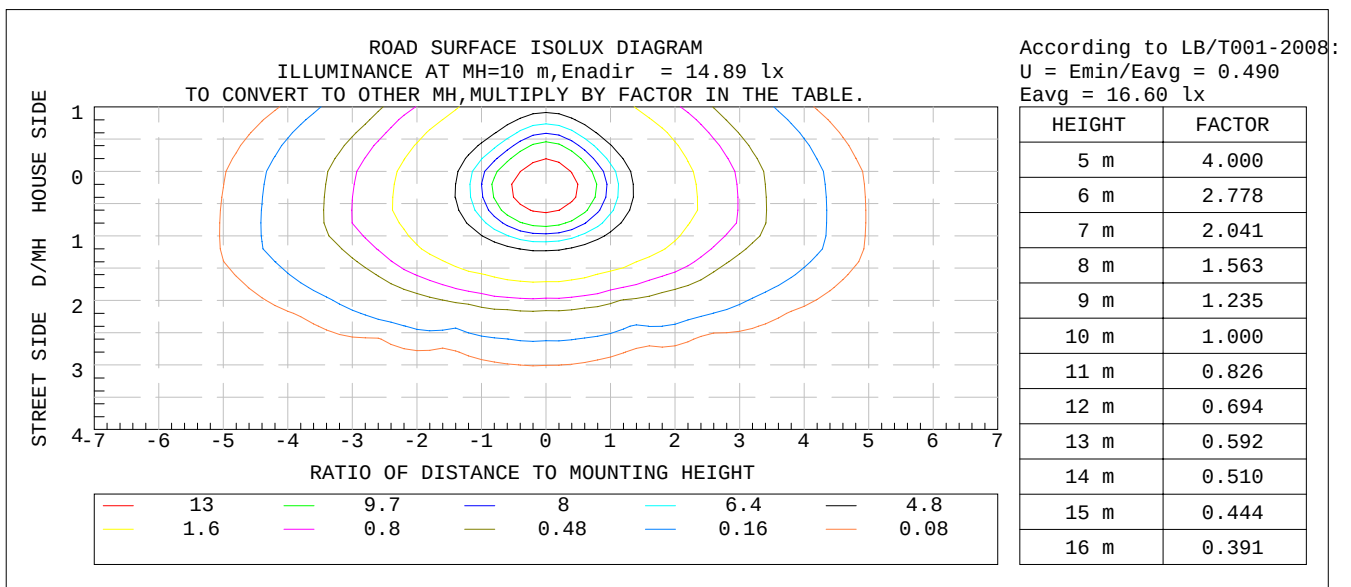
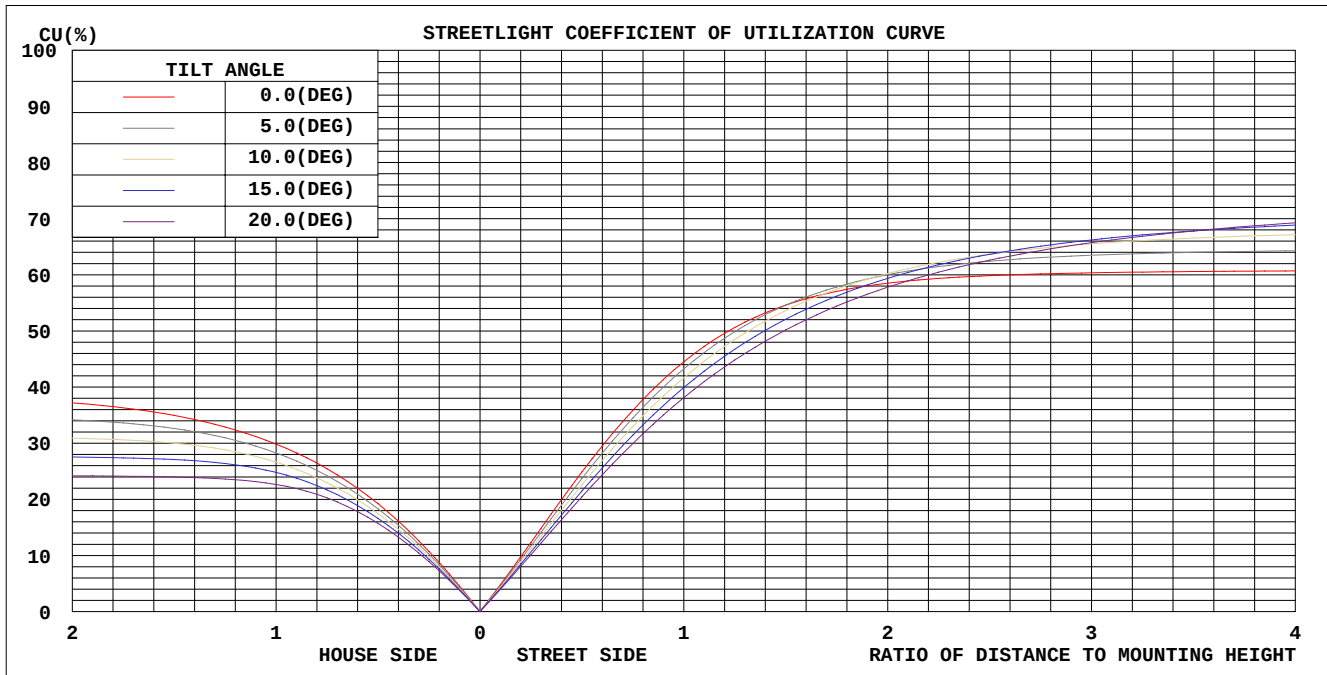
Classification:

IES:Type II - Medium
CIE:Average - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:121.3cd/klm
Max.At90:0cd/klm
Max.80-90:121.3cd/klm
NRB 5101:Limited[8.6%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2992
90%	2693
80%	2394
70%	2095
60%	1795
50%	1496
40%	1197
30%	898
20%	598
10%	299
5%	150

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-06-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_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:
Test Date: 2023-06-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.3V I:0.2407A P:48.87W PF:0.9258 Freq:60.01Hz Lamp Flux:7601.87x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	HEIGHT:3.6kg
SPEC.:AOK-50WiLA-NVS-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

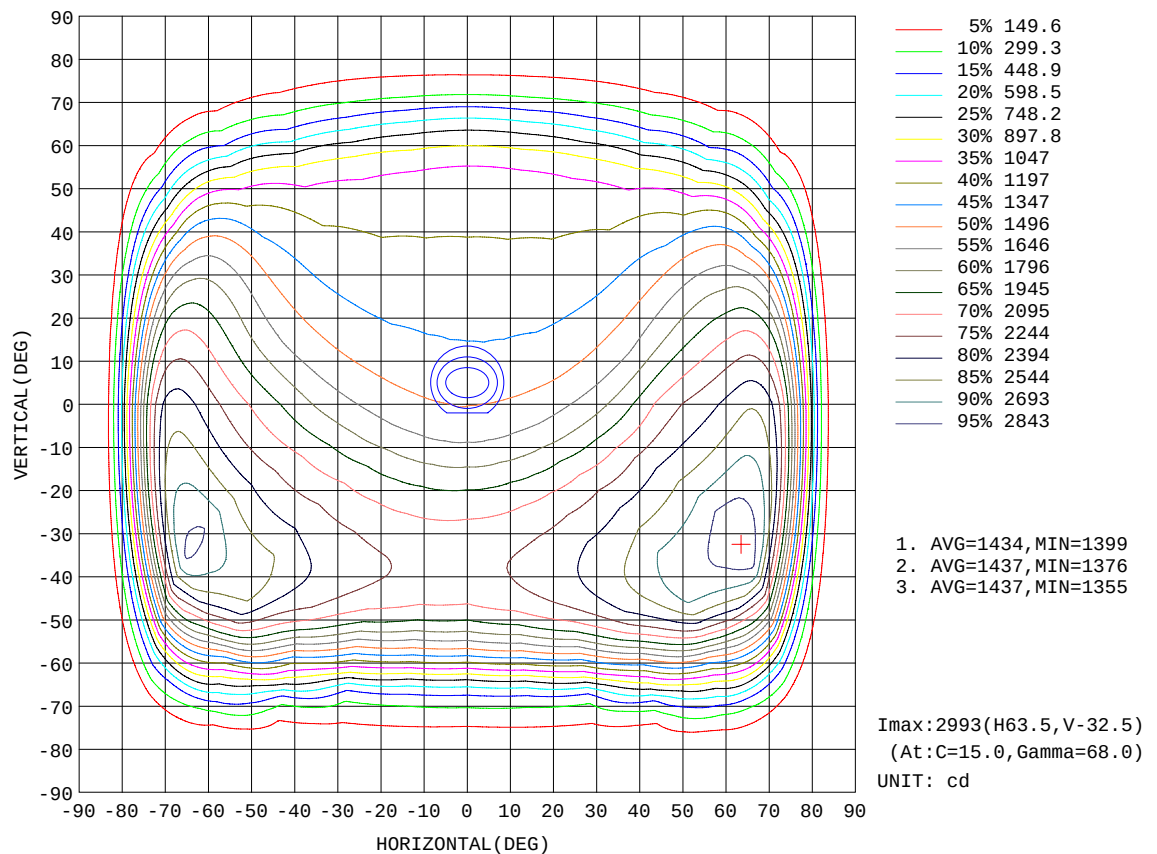
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1518	1628	1673	1624	1516	1421	1384	1418	0- 10	143.8	143.8	1.89,1.89
20	1595	1874	1948	1850	1589	1372	1316	1363	10- 20	444.9	588.7	7.74,7.74
30	1740	2145	2146	2086	1699	1324	1255	1317	20- 30	772.2	1361	17.9,17.9
40	1990	2366	2200	2270	1874	1273	1189	1267	30- 40	1107	2468	32.5,32.5
50	2245	2498	1946	2368	2076	1208	1121	1202	40- 50	1413	3881	51.1,51.1
60	2425	2266	1176	2058	2309	1037	894.9	1021	50- 60	1581	5462	71.9,71.9
70	2433	1094	312.9	954.6	2422	495.3	393.0	489.7	60- 70	1392	6854	90.2,90.2
80	690.6	99.17	41.52	89.05	626.6	94.00	75.69	94.45	70- 80	686.1	7540	99.2,99.2
90	0	0	0	0	0	0	0	0	80- 90	62.02	7602	100,100
100	0	0	0	0	0	0	0	0	90-100	0	7602	100,100
110	0	0	0	0	0	0	0	0	100-110	0	7602	100,100
120	0	0	0	0	0	0	0	0	110-120	0	7602	100,100
130	0	0	0	0	0	0	0	0	120-130	0	7602	100,100
140	0	0	0	0	0	0	0	0	130-140	0	7602	100,100
150	0	0	0	0	0	0	0	0	140-150	0	7602	100,100
160	0	0	0	0	0	0	0	0	150-160	0	7602	100,100
170	0	0	0	0	0	0	0	0	160-170	0	7602	100,100
180	0	0	0	0	0	0	0	0	170-180	0	7602	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:2023-06-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

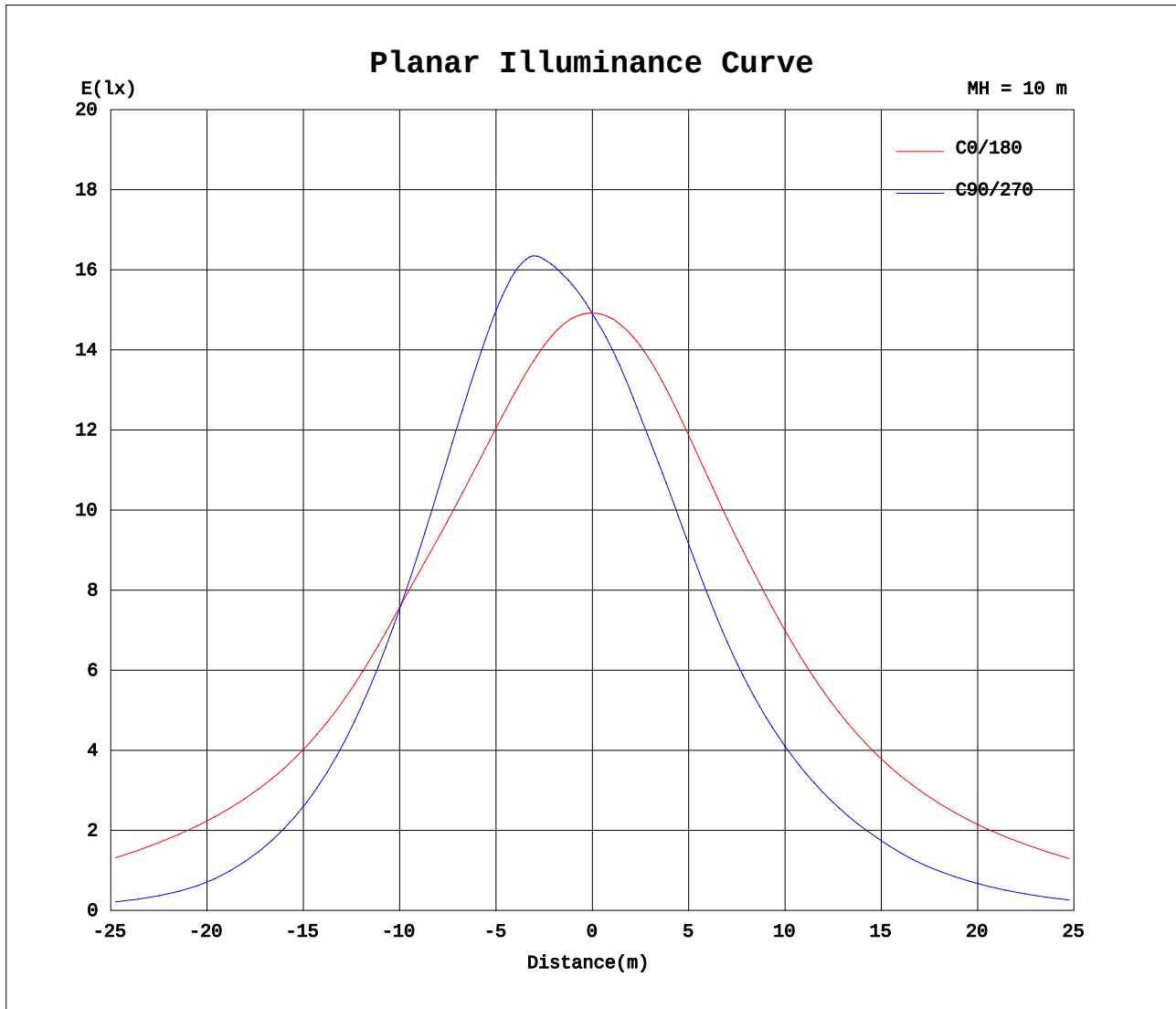
Test:U:219.3V I:0.2407A P:48.87W PF:0.9258 Freq:60.01Hz Lamp Flux:7601.87x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-50WiLA-NVS-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-06-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

Planar Illuminance Curve



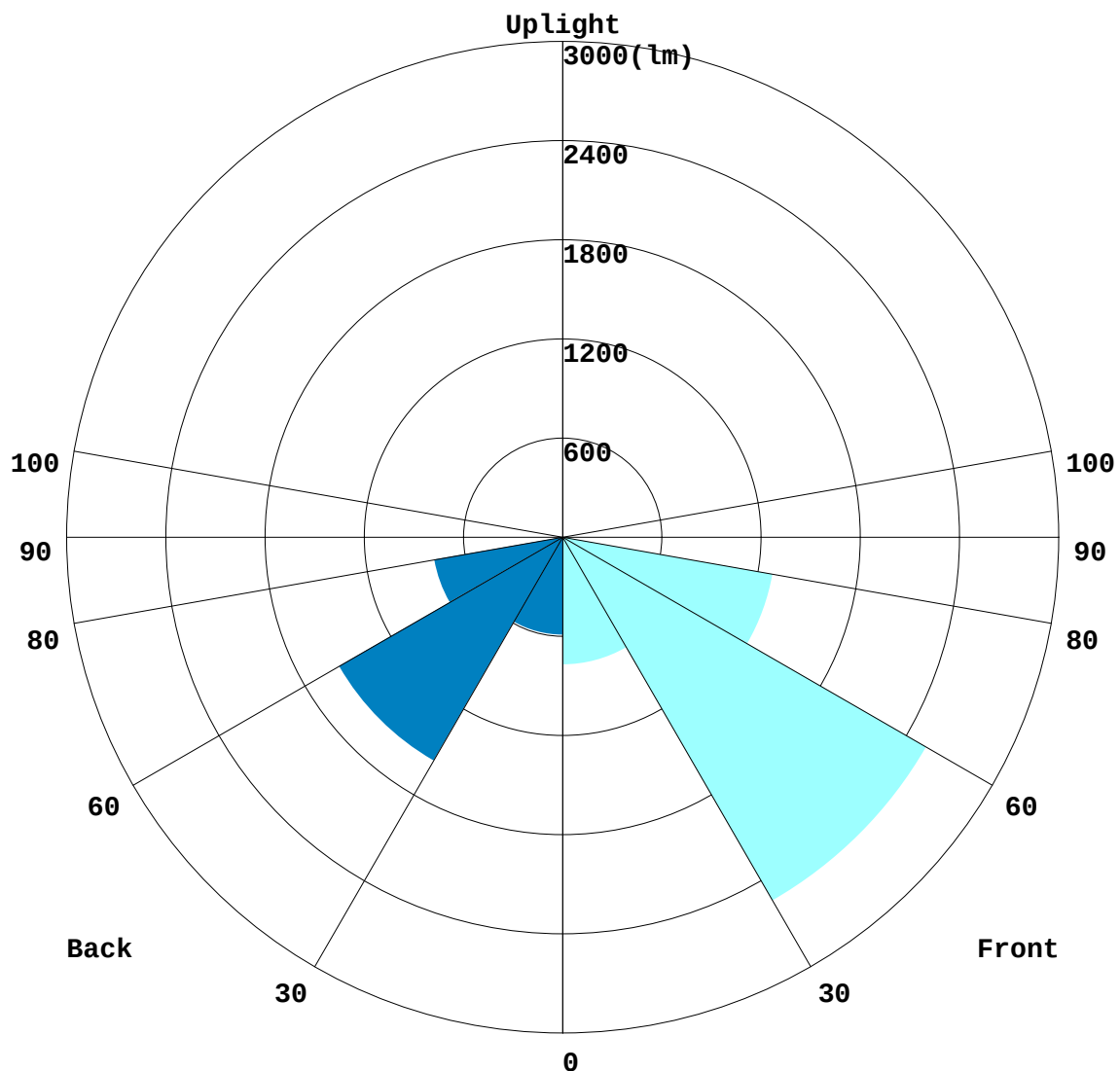
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-06-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

LCS REPORT

Test:U:219.3V I:0.2407A P:48.87W PF:0.9258 Freq:60.01Hz Lamp Flux:7601.87x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-50WiLA-NVS-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-06-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

BUG REPORT

Test:U:219.3V I:0.2407A P:48.87W PF:0.9258 Freq:60.01Hz Lamp Flux:7601.87x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-50WiLA-NVS-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	770.33	10.1
FM - Front-Medium(30-60)	2539.3	33.4
FH - Front-High(60-80)	1289.6	17.0
FVH - Front-Very High(80-90)	37.842	0.5
Total Forward Light	4637.1	61.0

BL - Back-Low(0-30)	590.63	7.8
BM - Back-Medium(30-60)	1562	20.5
BH - Back-High(60-80)	787.99	10.4
BVH - Back-Very High(80-90)	24.183	0.3
Total Back Light	2964.8	39.0

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
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2964.8	0	2964.8
Street Side	4637.1	0	4637.1

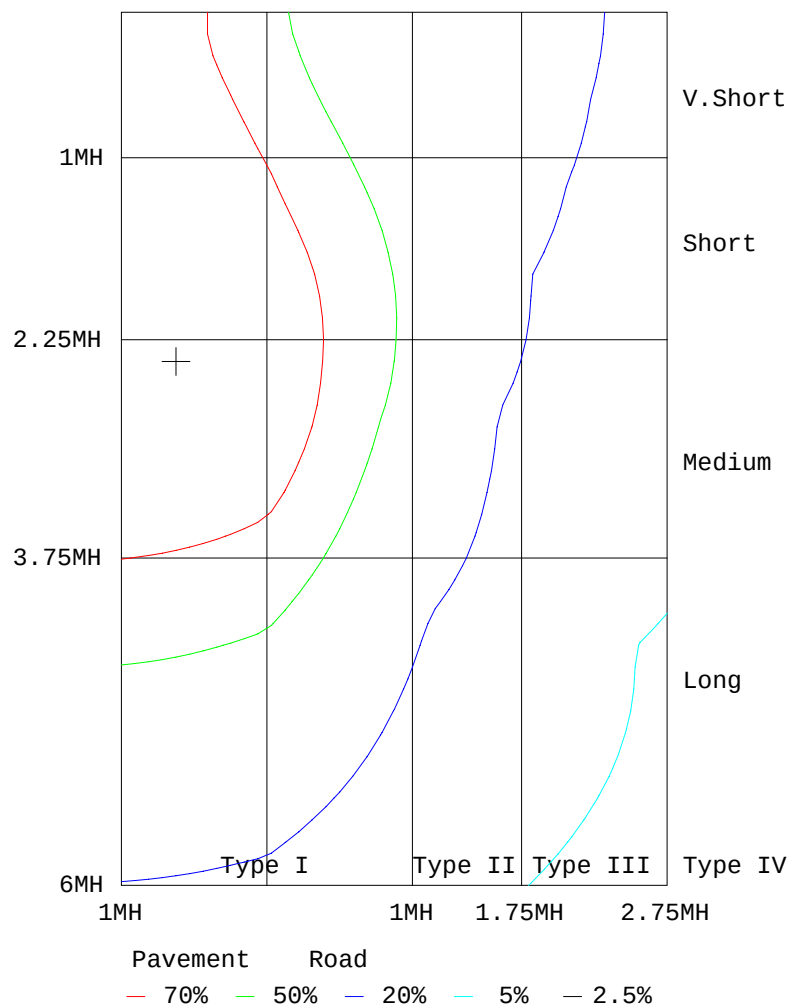
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-06-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.3V I:0.2407A P:48.87W PF:0.9258 Freq:60.01Hz Lamp Flux:7601.87x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-50WILA-NVS-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-06-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.3V I:0.2407A P:48.87W PF:0.9258 Freq:60.01Hz Lamp Flux:7601.87x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	WEIGHT:3.6kg
SPEC.:AOK-50WiLA-NVS-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	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	1489	1489	1489	1489	1489	1489	1489	1489	1489	1489	1489	1489	1489	1489	1489	1489	1489	1489	1489
5	1497	1516	1534	1549	1561	1568	1570	1567	1560	1547	1532	1515	1496	1479	1463	1451	1440	1434	1432
10	1518	1558	1597	1628	1653	1667	1673	1665	1650	1624	1593	1556	1516	1480	1447	1421	1401	1389	1384
15	1550	1617	1682	1737	1780	1801	1809	1794	1769	1726	1674	1613	1548	1489	1437	1397	1366	1350	1343
20	1595	1695	1799	1874	1925	1944	1948	1932	1902	1850	1778	1684	1589	1502	1428	1372	1336	1322	1316
25	1657	1804	1938	2015	2053	2062	2062	2046	2021	1974	1897	1772	1638	1519	1418	1348	1309	1293	1287
30	1740	1934	2079	2145	2161	2157	2146	2135	2118	2086	2017	1881	1699	1539	1408	1324	1280	1261	1255
35	1850	2079	2216	2263	2249	2223	2199	2196	2197	2185	2131	1995	1776	1568	1401	1300	1248	1227	1219
40	1990	2230	2344	2366	2313	2245	2200	2212	2248	2270	2234	2106	1874	1604	1397	1273	1214	1195	1189
45	2139	2373	2472	2451	2328	2202	2128	2158	2245	2343	2337	2216	1975	1649	1394	1243	1179	1163	1160
50	2245	2507	2600	2498	2264	2051	1946	1997	2152	2368	2449	2332	2076	1707	1389	1208	1136	1119	1121
55	2329	2647	2720	2468	2049	1749	1626	1686	1907	2304	2559	2479	2185	1784	1371	1147	1065	1046	1051
60	2425	2815	2781	2266	1635	1312	1176	1253	1485	2058	2620	2670	2309	1839	1313	1037	940	890	895
65	2522	2971	2650	1774	1076	743	642	697	950	1551	2496	2859	2435	1799	1158	833	703	664	674
70	2433	2944	2071	1094	441	345	313	330	387	955	1921	2867	2422	1528	819	495	416	389	393
75	1823	2274	1147	398	179	160	140	156	174	318	1020	2147	1789	865	355	225	198	185	183
80	691	922	395	99.2	67.3	49.8	41.5	47.0	66.0	89.1	338	794	627	215	102	94.0	97.1	81.8	75.7
85	79.5	62.1	29.3	12.6	8.59	7.44	6.09	7.15	8.00	10.5	24.2	52.2	46.1	21.3	23.8	22.7	30.2	23.8	24.3
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:2023-06-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.3V I:0.2407A P:48.87W PF:0.9258 Freq:60.01Hz Lamp Flux:7601.87x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-50WiLA-NVS-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

Table--2

UNIT: cd

γ (DEG) \ C (DEG)	285	300	315	330	345													
0	1489	1489	1489	1489	1489													
5	1434	1440	1450	1463	1479													
10	1388	1398	1418	1445	1480													
15	1347	1361	1391	1431	1486													
20	1318	1332	1363	1420	1498													
25	1290	1304	1339	1409	1519													
30	1259	1276	1317	1403	1552													
35	1224	1242	1293	1402	1601													
40	1194	1211	1267	1402	1664													
45	1164	1179	1240	1404	1740													
50	1122	1136	1202	1398	1807													
55	1053	1070	1134	1363	1845													
60	897	944	1021	1275	1836													
65	669	707	813	1092	1741													
70	390	419	490	764	1434													
75	184	198	226	343	821													
80	78.8	95.6	94.5	108	226													
85	24.0	30.7	24.3	25.7	25.8													
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:2023-06-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks: