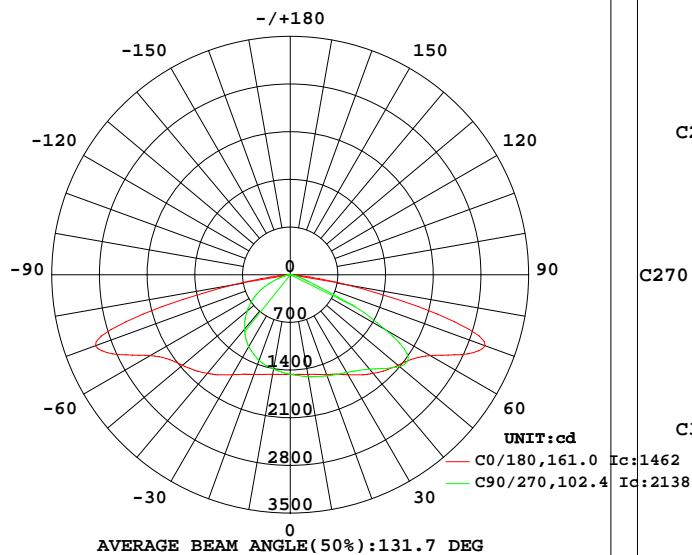
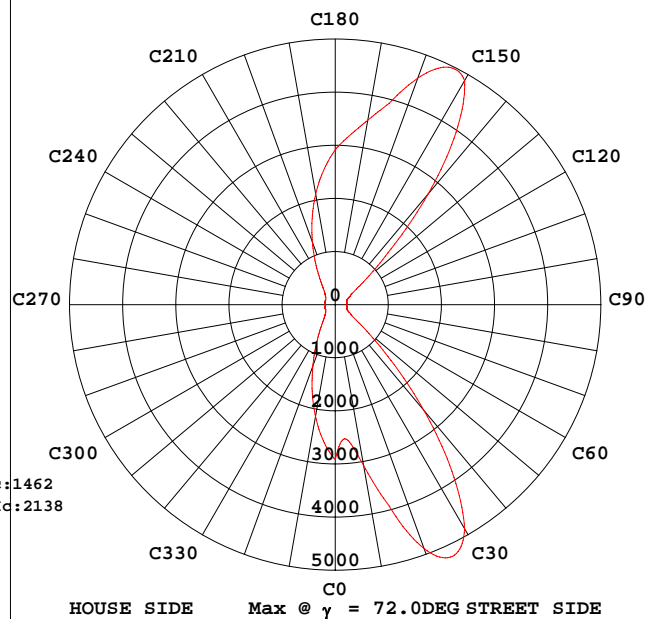


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.1V I:0.2797A P:59.69W PF:0.9739 Freq:50.18Hz Lamp Flux:7859.63x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-60WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.68 lm/W			
MODEL	3030	I _{max} (cd)	4869	η street_up(%)	0.0
NOMINAL POWER(W)	60	LOR(%)	100.0	η street_down(%)	63.0
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	7860	η house_up(%)	0.0
NOMINAL FLUX(lm)	7859.63	MAXIMUM @(C,γ)	30,72.0	η house_down(%)	37.0
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	21.271

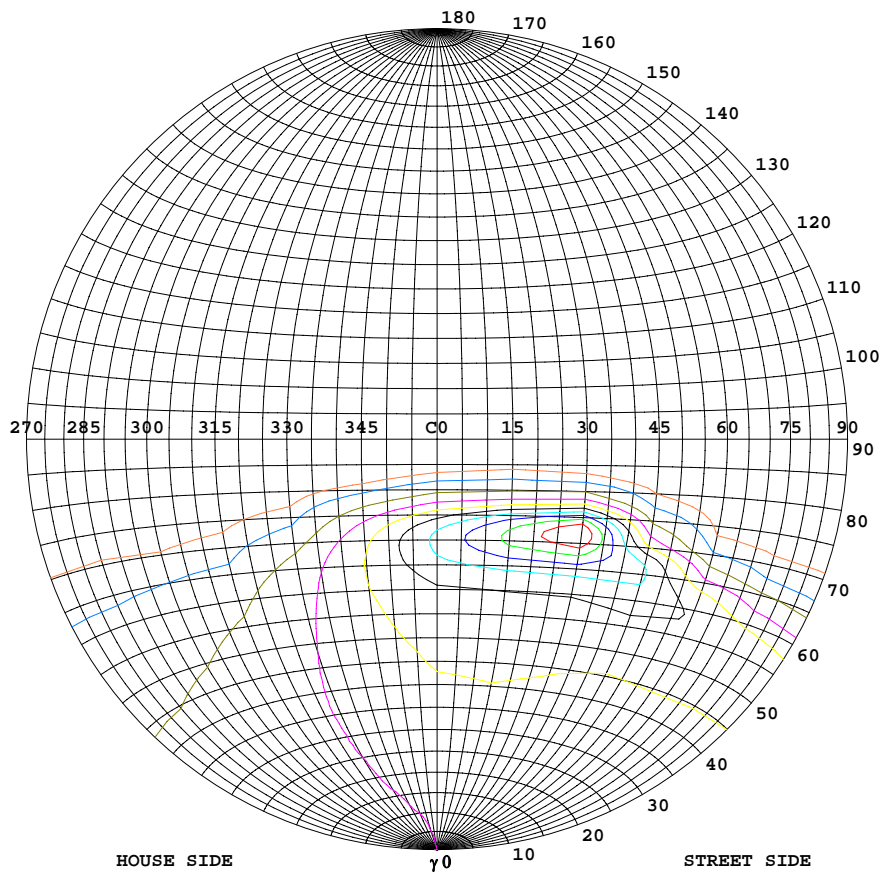
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-26

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:219.1V I:0.2797A P:59.69W PF:0.9739 Freq:50.18Hz Lamp Flux:7859.63x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-60WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



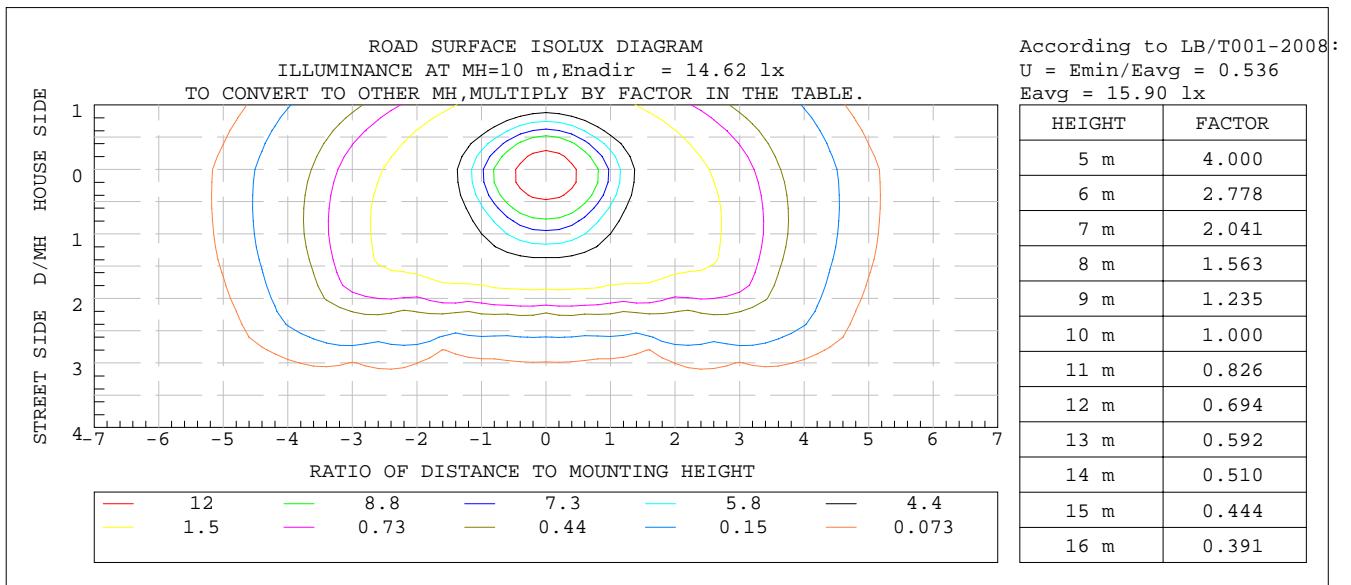
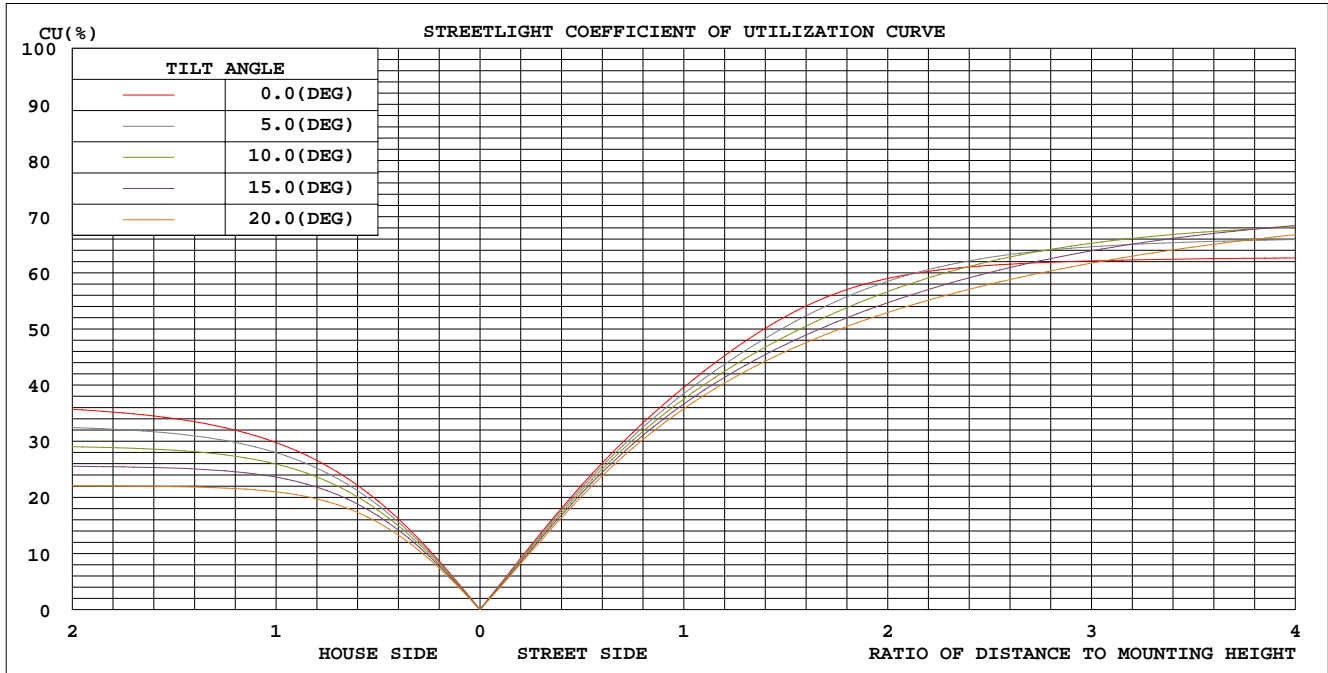
Classification:

IES:Type III - Medium
 CIE:Broad - Long
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:121.5cd/klm
 Max.At90:0cd/klm
 Max.80-90:121.5cd/klm
 NRB 5101:Limited[8.9%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4869
90%	4382
80%	3895
70%	3408
60%	2921
50%	2434
40%	1948
30%	1461
20%	974
10%	487
5%	243

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-26

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: 2020-12-26

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:219.1V I:0.2797A P:59.69W PF:0.9739 Freq:50.18Hz Lamp Flux:7859.63x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-60WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

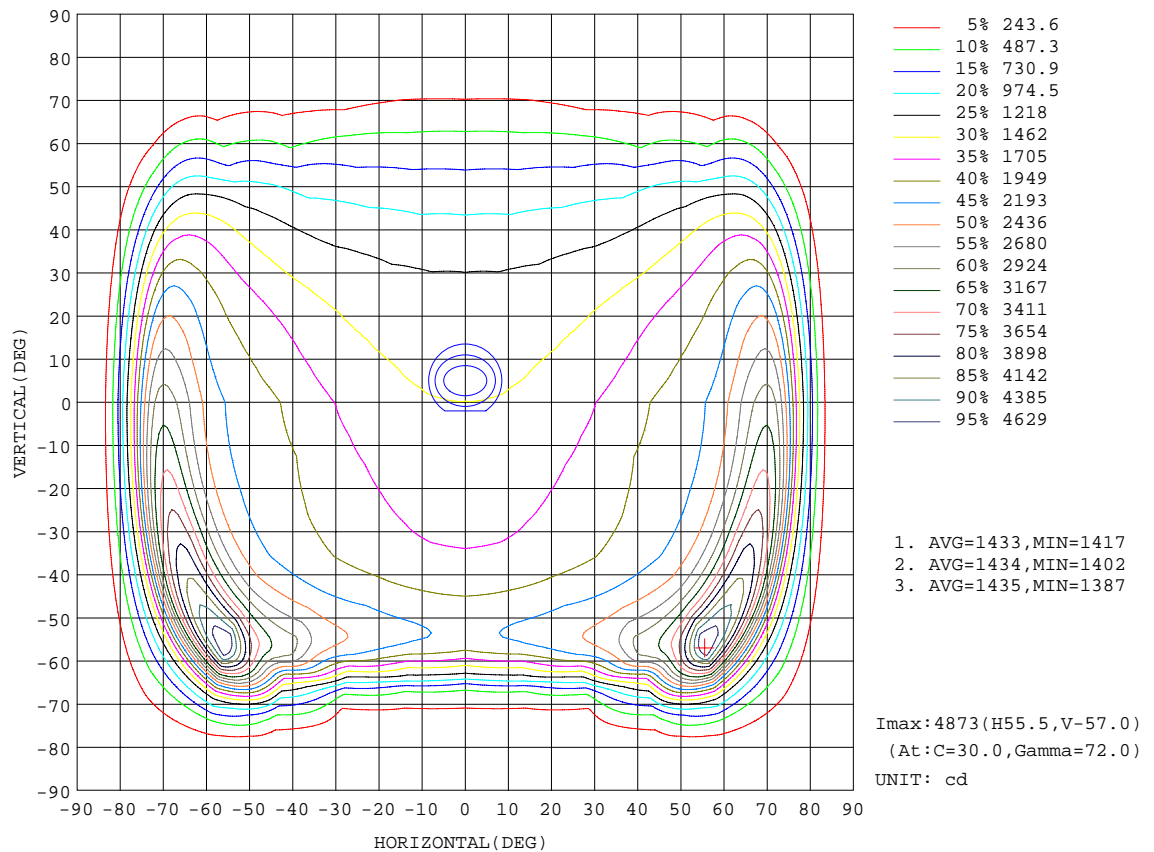
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	1487	1514	1521	1514	1487	1430	1406	1430	0- 10	140.0	140.0	1.78,1.78
20	1560	1604	1582	1604	1560	1409	1340	1409	10- 20	422.4	562.4	7.16,7.16
30	1697	1726	1658	1726	1697	1374	1219	1374	20- 30	708.7	1271	16.2,16.2
40	1892	1852	1810	1852	1892	1300	1044	1300	30- 40	996.3	2267	28.8,28.8
50	2065	2063	2094	2063	2065	1146	825.4	1146	40- 50	1279	3547	45.1,45.1
60	2375	2659	1610	2659	2375	875.6	566.5	875.6	50- 60	1542	5089	64.7,64.7
70	3043	2016	274.4	2016	3043	353.2	251.2	353.2	60- 70	1640	6728	85.6,85.6
80	844.3	243.5	59.75	243.5	844.3	66.41	58.77	66.41	70- 80	1038	7767	98.8,98.8
90	0	0	0	0	0	0	0	0	80- 90	92.93	7860	100,100
100	0	0	0	0	0	0	0	0	90-100	0	7860	100,100
110	0	0	0	0	0	0	0	0	100-110	0	7860	100,100
120	0	0	0	0	0	0	0	0	110-120	0	7860	100,100
130	0	0	0	0	0	0	0	0	120-130	0	7860	100,100
140	0	0	0	0	0	0	0	0	130-140	0	7860	100,100
150	0	0	0	0	0	0	0	0	140-150	0	7860	100,100
160	0	0	0	0	0	0	0	0	150-160	0	7860	100,100
170	0	0	0	0	0	0	0	0	160-170	0	7860	100,100
180	0	0	0	0	0	0	0	0	170-180	0	7860	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:2020-12-26

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

ISOCANDELA DIAGRAM

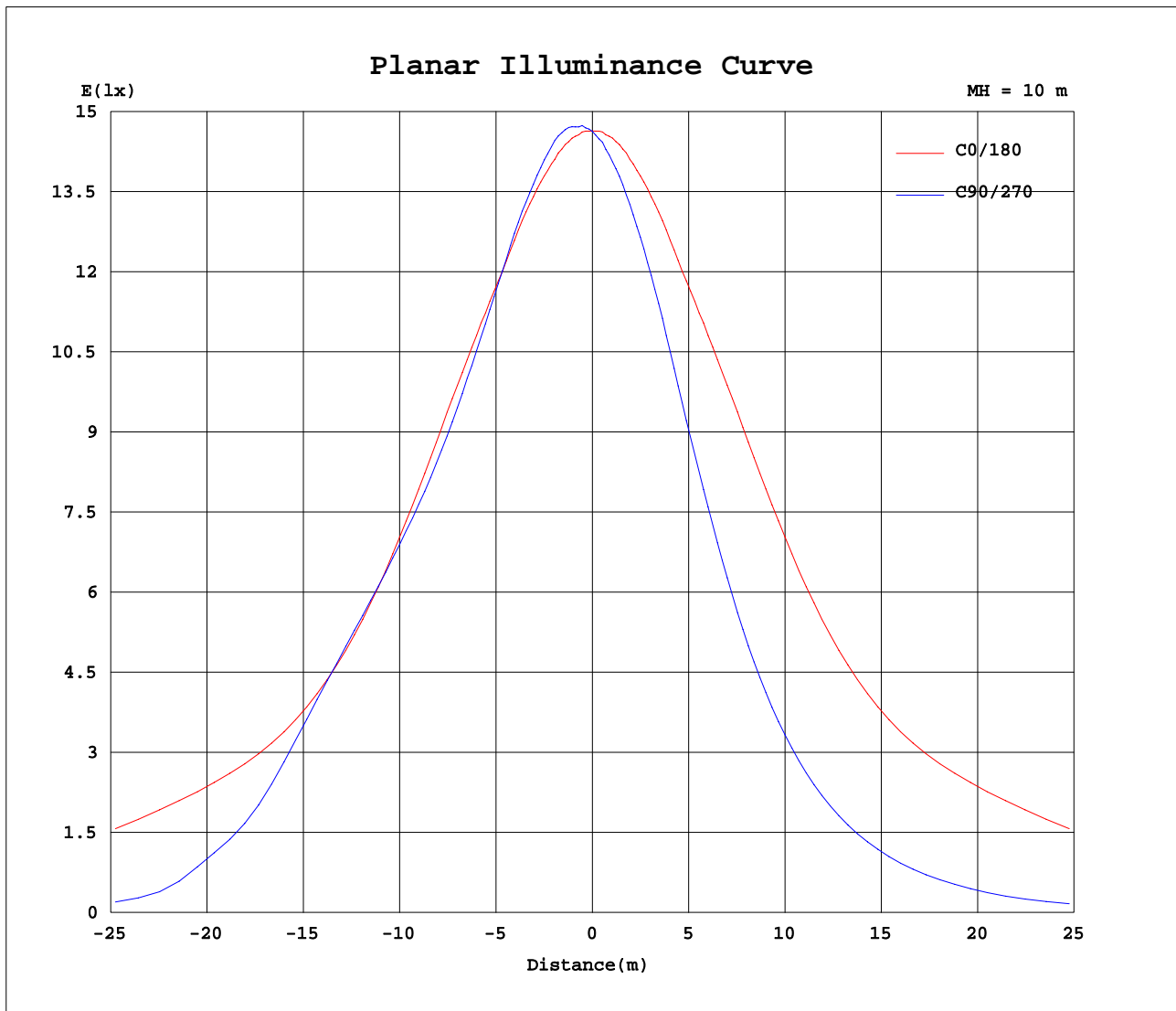
Test:U:219.1V I:0.2797A P:59.69W PF:0.9739 Freq:50.18Hz Lamp Flux:7859.63x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-60WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-12-26

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



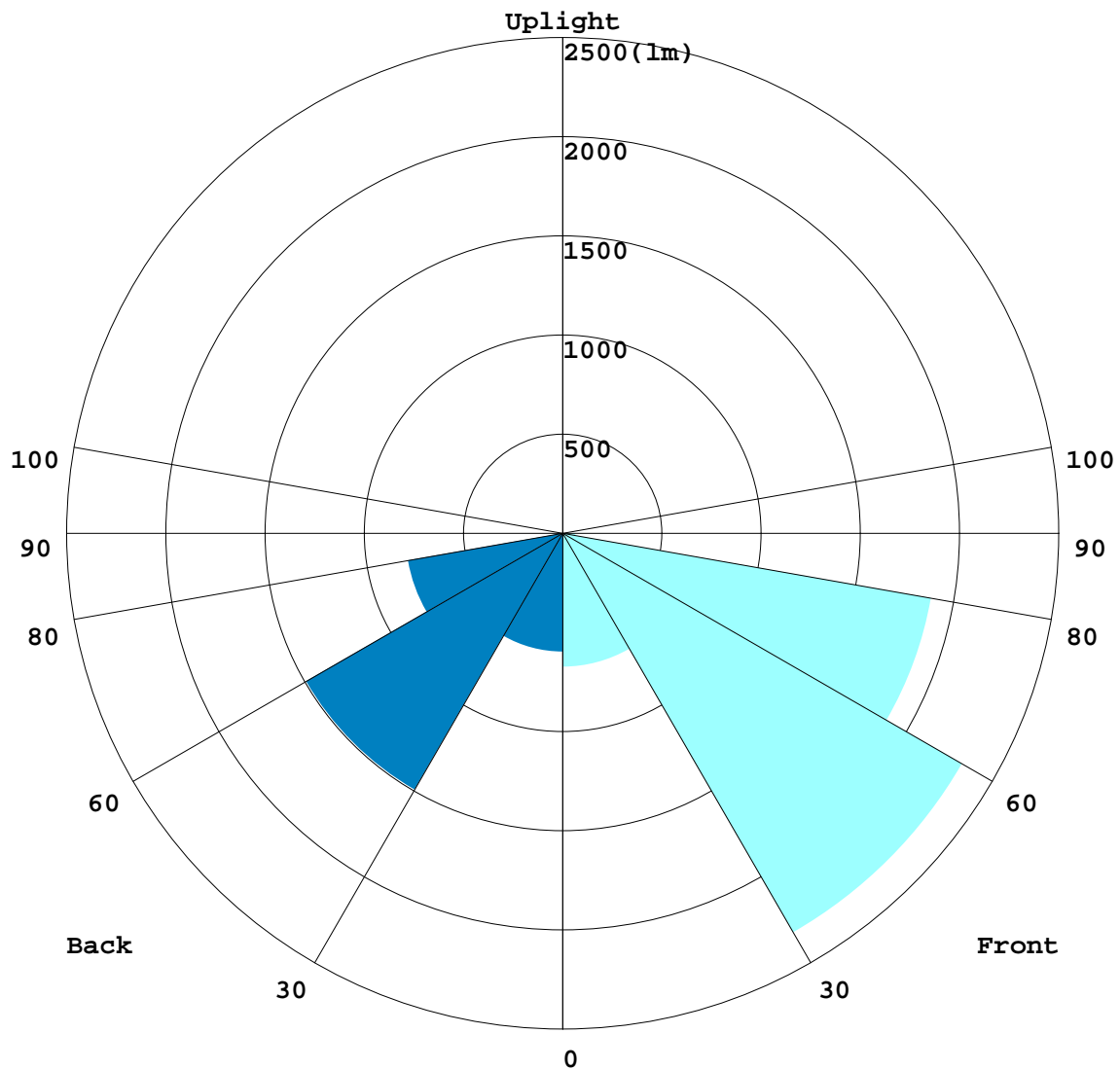
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-12-26

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:219.1V I:0.2797A P:59.69W PF:0.9739 Freq:50.18Hz Lamp Flux:7859.63x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-60WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-12-26

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:219.1V I:0.2797A P:59.69W PF:0.9739 Freq:50.18Hz Lamp Flux:7859.63x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-60WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	673.62	8.6
FM - Front-Medium(30-60)	2325.1	29.6
FH - Front-High(60-80)	1885.5	24.0
FVH - Front-Very High(80-90)	65.018	0.8
Total Forward Light	4949.3	63.0

BL - Back-Low(0-30)	597.47	7.6
BM - Back-Medium(30-60)	1492.7	19.0
BH - Back-High(60-80)	792.2	10.1
BVH - Back-Very High(80-90)	27.915	0.4
Total Back Light	2910.3	37.0

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	2910.3	0	2910.3
Street Side	4949.3	0	4949.3

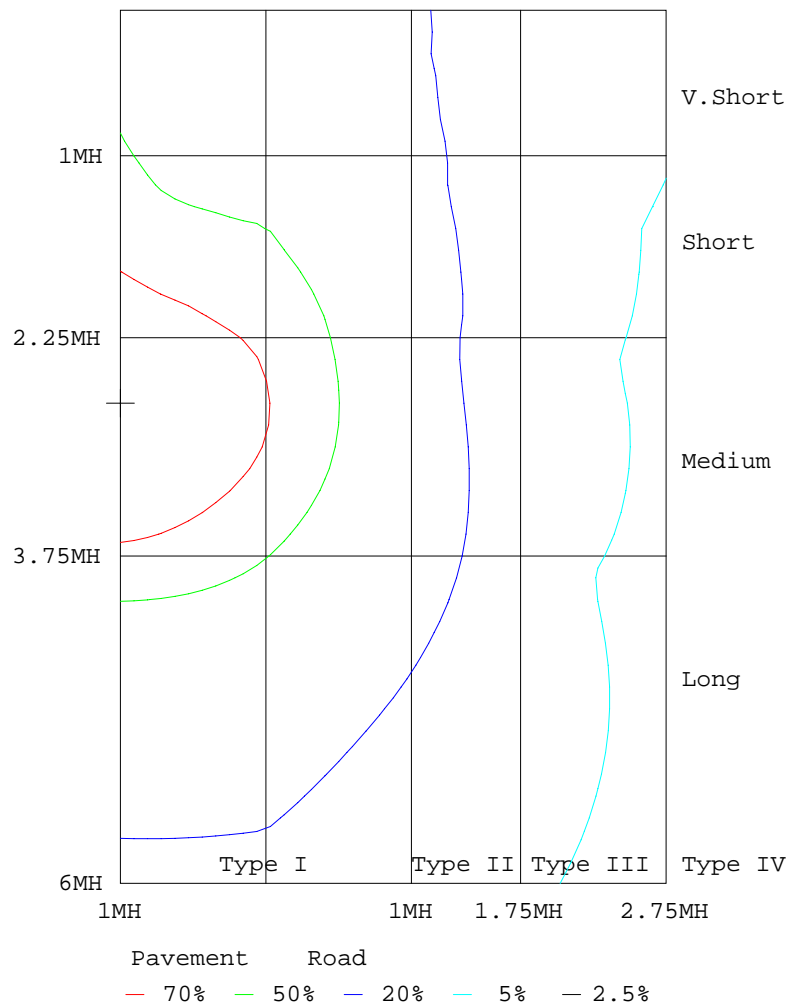
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-12-26

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:219.1V I:0.2797A P:59.69W PF:0.9739 Freq:50.18Hz Lamp Flux:7859.63x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-60WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-26

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:219.1V I:0.2797A P:59.69W PF:0.9739 Freq:50.18Hz Lamp Flux:7859.63x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-60WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	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	1462	1462	1462	1462	1462	1462	1462	1462	1462	1462	1462	1462	1462	1462	1462	1462	1462	1462	1462
5	1468	1473	1479	1483	1488	1489	1487	1489	1488	1483	1479	1473	1468	1459	1449	1441	1438	1437	1434
10	1487	1499	1508	1514	1520	1521	1521	1521	1520	1514	1508	1499	1487	1465	1447	1430	1418	1409	1406
15	1516	1535	1548	1552	1555	1551	1547	1551	1555	1552	1548	1535	1516	1481	1450	1416	1398	1382	1378
20	1560	1588	1605	1604	1594	1583	1582	1583	1594	1604	1605	1588	1560	1510	1457	1409	1372	1347	1340
25	1611	1655	1671	1663	1642	1620	1613	1620	1642	1663	1671	1655	1611	1539	1464	1391	1339	1295	1281
30	1697	1743	1744	1726	1694	1664	1658	1664	1694	1726	1744	1743	1697	1579	1472	1374	1290	1233	1219
35	1793	1842	1821	1782	1760	1732	1719	1732	1760	1782	1821	1842	1793	1635	1487	1342	1230	1160	1140
40	1892	1935	1897	1852	1843	1827	1810	1827	1843	1852	1897	1935	1892	1705	1487	1300	1162	1067	1044
45	1986	2016	1970	1934	1965	1964	1947	1964	1965	1934	1970	2016	1986	1780	1477	1235	1071	964	940
50	2065	2083	2046	2063	2142	2131	2094	2131	2142	2063	2046	2083	2065	1847	1449	1146	957	850	825
55	2169	2193	2183	2295	2355	2224	2114	2224	2355	2295	2183	2193	2169	1893	1405	1027	826	728	701
60	2375	2443	2473	2659	2379	1849	1610	1849	2379	2659	2473	2443	2375	1941	1323	876	676	584	566
65	2776	3081	3192	2994	1590	1071	780	1071	1590	2994	3192	3081	2776	1979	1164	613	493	423	408
70	3043	3982	4653	2016	542	294	274	294	542	2016	4653	3982	3043	1853	791	353	258	269	251
75	2238	3099	3687	882	181	148	139	148	181	882	3687	3099	2238	1272	373	180	142	130	125
80	844	929	955	244	71.7	61.9	59.7	61.9	71.7	244	955	929	844	394	110	66.4	65.5	57.2	58.8
85	103	128	117	40.6	16.6	14.7	14.0	14.7	16.6	40.6	117	128	103	34.5	23.8	19.4	17.3	13.6	16.5
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:2020-12-26

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:219.1V I:0.2797A P:59.69W PF:0.9739 Freq:50.18Hz Lamp Flux:7859.63x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-60WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345													
0	1462	1462	1462	1462	1462													
5	1437	1438	1441	1449	1459													
10	1409	1418	1430	1447	1465													
15	1382	1398	1416	1450	1481													
20	1347	1372	1409	1457	1510													
25	1295	1339	1391	1464	1539													
30	1233	1290	1374	1472	1579													
35	1160	1230	1342	1487	1635													
40	1067	1162	1300	1487	1705													
45	964	1071	1235	1477	1780													
50	850	957	1146	1449	1847													
55	728	826	1027	1405	1893													
60	584	676	876	1323	1941													
65	423	493	613	1164	1979													
70	269	258	353	791	1853													
75	130	142	180	373	1272													
80	57.2	65.5	66.4	110	394													
85	13.6	17.3	19.4	23.8	34.5													
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:2020-12-26

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: