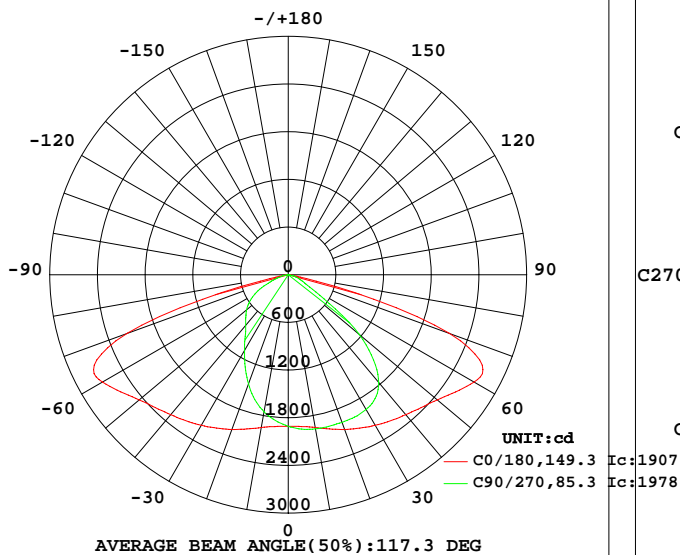
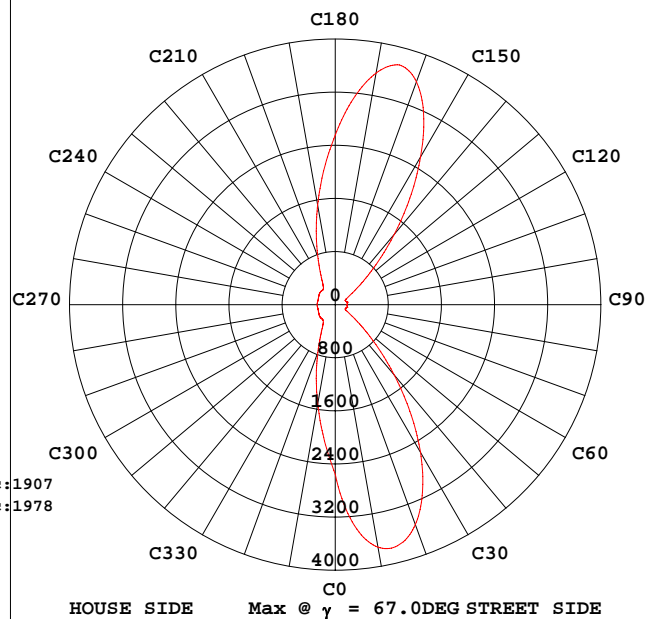


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.2376A P:50.09W PF:0.9616 Freq:50.18Hz Lamp Flux:7083.36x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-50WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 141.41 lm/W			
MODEL	3030	I _{max} (cd)	3738	η street_up(%)	0.0
NOMINAL POWER(W)	50	LOR(%)	100.0	η street_down(%)	62.1
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	7083	η house_up(%)	0.0
NOMINAL FLUX(lm)	7083.36	MAXIMUM @(C,γ)	15,67.0	η house_down(%)	37.9
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	18.126

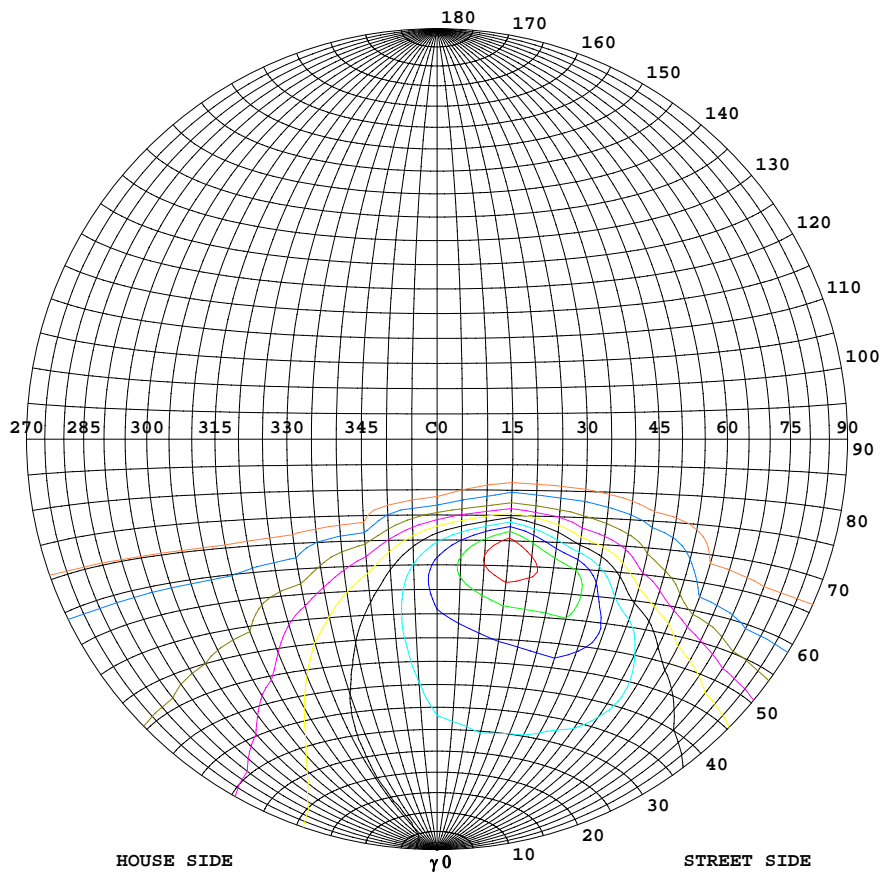
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-25

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:0.2376A P:50.09W PF:0.9616 Freq:50.18Hz Lamp Flux:7083.36x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-50WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



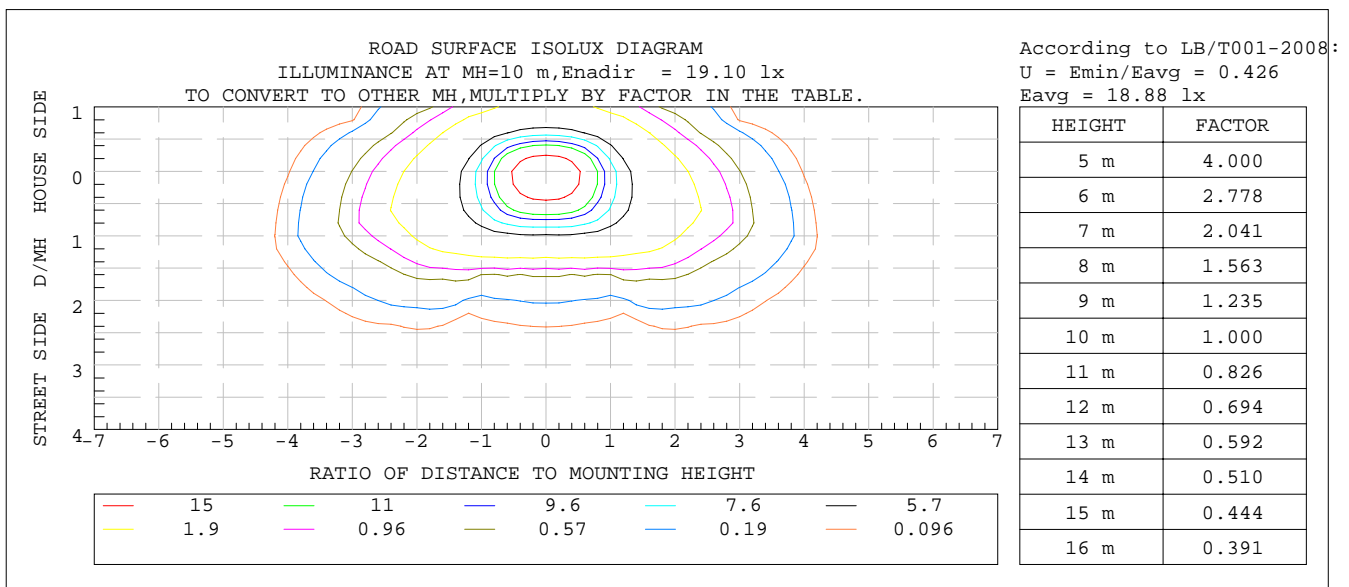
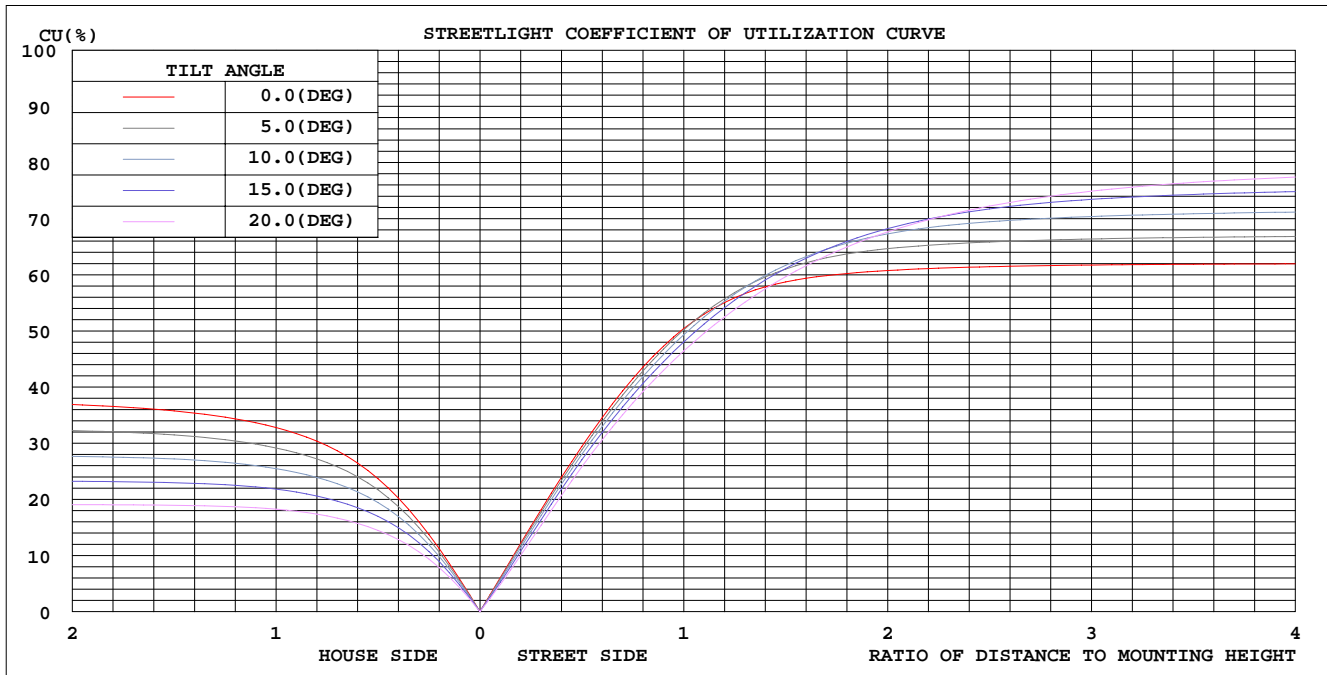
Classification:

IES:Type II - Medium
 CIE:Narrow - Intermediate
 IES:Full cut-off
 CIE:Semi-cut-off
 Max.At80:47.02cd/klm
 Max.At90:0cd/klm
 Max.80-90:47.02cd/klm
 NRB 5101:Limited[3.3%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	3738
90%	3365
80%	2991
70%	2617
60%	2243
50%	1869
40%	1495
30%	1122
20%	748
10%	374
5%	187

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-25

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: 2020-12-25

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:0.2376A P:50.09W PF:0.9616 Freq:50.18Hz Lamp Flux:7083.36x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-50WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

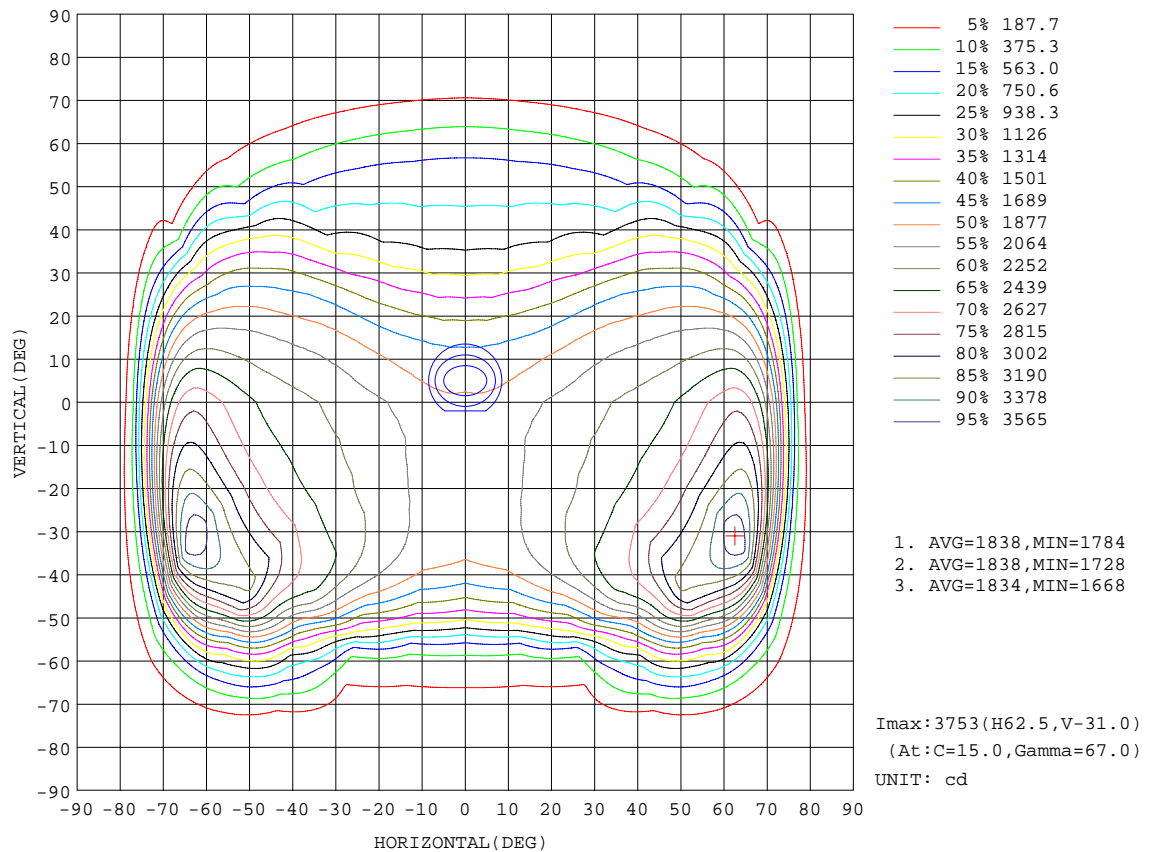
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	1951	1983	1968	1983	1951	1828	1754	1828	0- 10	182.0	182.0	2.57,2.57
20	2072	2067	1978	2067	2072	1726	1463	1726	10- 20	539.3	721.3	10.2,10.2
30	2187	2187	1958	2187	2187	1544	1103	1544	20- 30	869.8	1591	22.5,22.5
40	2300	2351	1772	2351	2300	1283	833.7	1283	30- 40	1155	2746	38.8,38.8
50	2450	2481	1165	2481	2450	890.3	686.1	890.3	40- 50	1358	4104	57.9,57.9
60	2700	1806	313.3	1806	2700	555.7	485.2	555.7	50- 60	1388	5492	77.5,77.5
70	2154	668.3	139.0	668.3	2154	202.9	199.6	202.9	60- 70	1141	6633	93.6,93.6
80	110.6	76.03	35.99	76.03	110.6	40.03	51.39	40.03	70- 80	423.1	7056	99.6,99.6
90	0	0	0	0	0	0	0	0	80- 90	27.53	7083	100,100
100	0	0	0	0	0	0	0	0	90-100	0	7083	100,100
110	0	0	0	0	0	0	0	0	100-110	0	7083	100,100
120	0	0	0	0	0	0	0	0	110-120	0	7083	100,100
130	0	0	0	0	0	0	0	0	120-130	0	7083	100,100
140	0	0	0	0	0	0	0	0	130-140	0	7083	100,100
150	0	0	0	0	0	0	0	0	140-150	0	7083	100,100
160	0	0	0	0	0	0	0	0	150-160	0	7083	100,100
170	0	0	0	0	0	0	0	0	160-170	0	7083	100,100
180	0	0	0	0	0	0	0	0	170-180	0	7083	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:2020-12-25

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

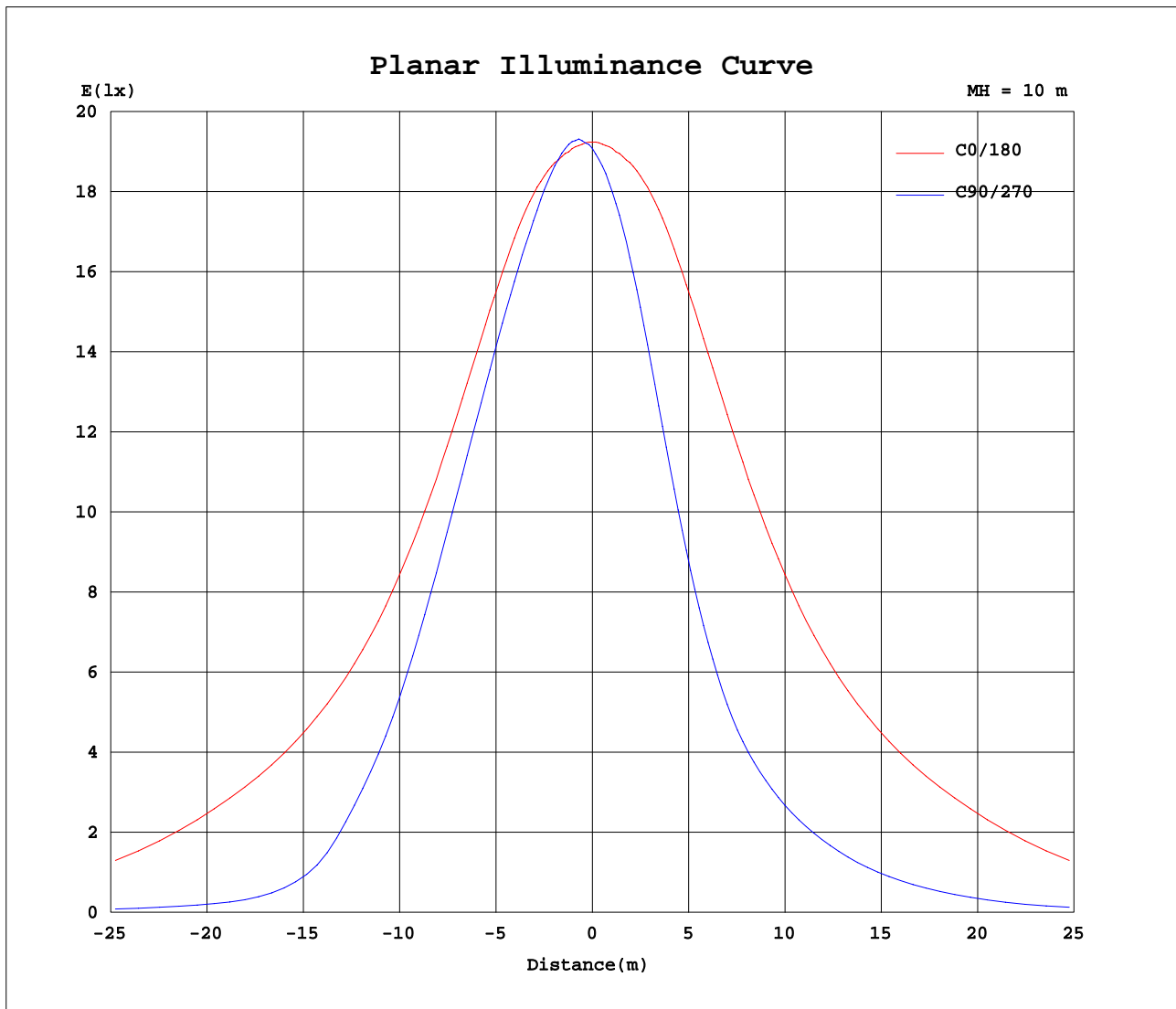
Test:U:219.2V I:0.2376A P:50.09W PF:0.9616 Freq:50.18Hz Lamp Flux:7083.36x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-50WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-12-25

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



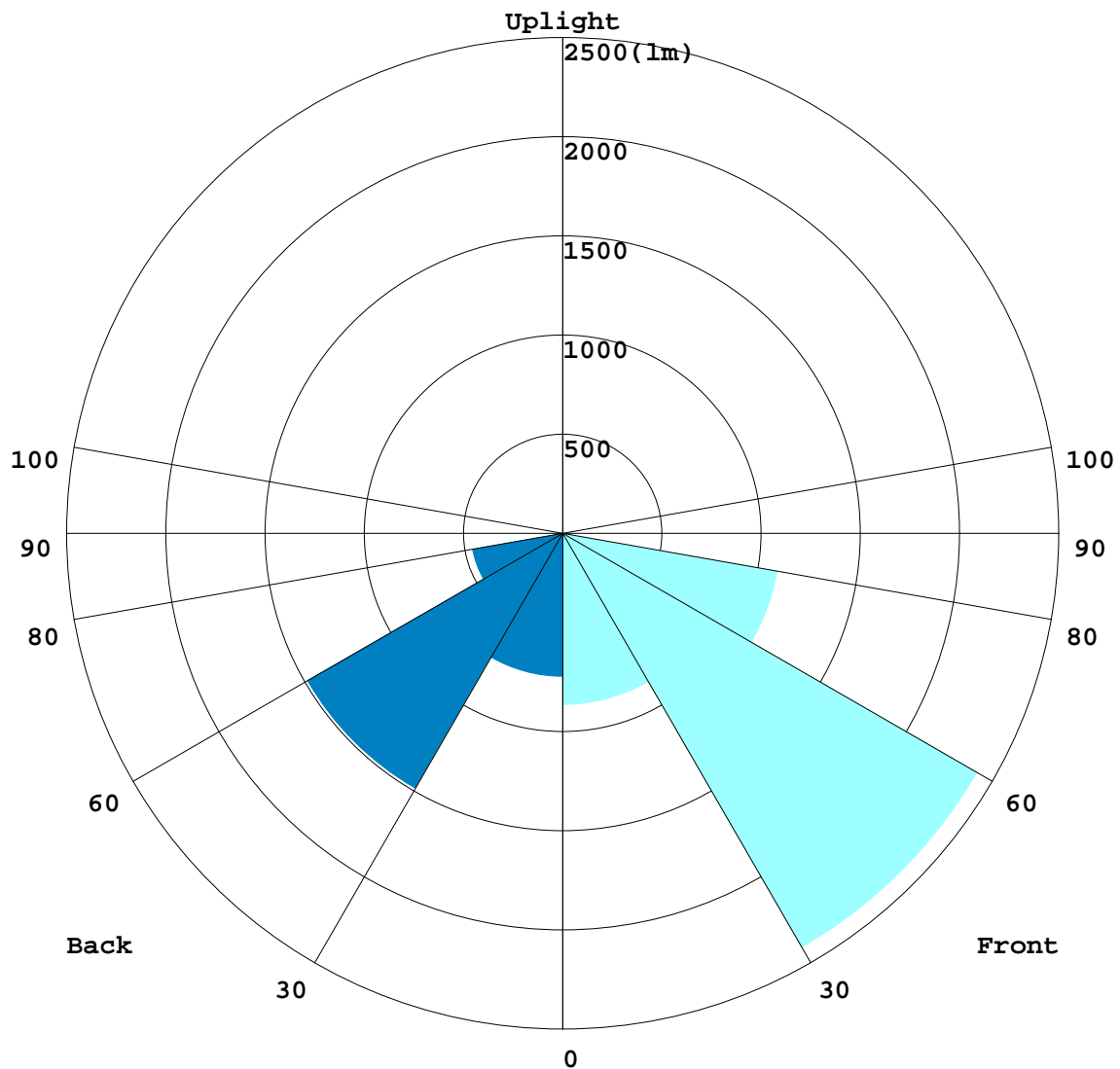
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-12-25

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:0.2376A P:50.09W PF:0.9616 Freq:50.18Hz Lamp Flux:7083.36x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-50WIL02-NV-L3-00-3070-T201-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:2020-12-25

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:0.2376A P:50.09W PF:0.9616 Freq:50.18Hz Lamp Flux:7083.36x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-50WIL02-NV-L3-00-3070-T201-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)	866.27	12.2
FM - Front-Medium(30-60)	2413.5	34.1
FH - Front-High(60-80)	1101.3	15.5
FVH - Front-Very High(80-90)	18.039	0.3
Total Forward Light	4399.1	62.1

BL - Back-Low(0-30)	724.75	10.2
BM - Back-Medium(30-60)	1487.3	21.0
BH - Back-High(60-80)	462.73	6.5
BVH - Back-Very High(80-90)	9.489	0.1
Total Back Light	2684.3	37.9

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-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2684.3	0	2684.3
Street Side	4399.1	0	4399.1

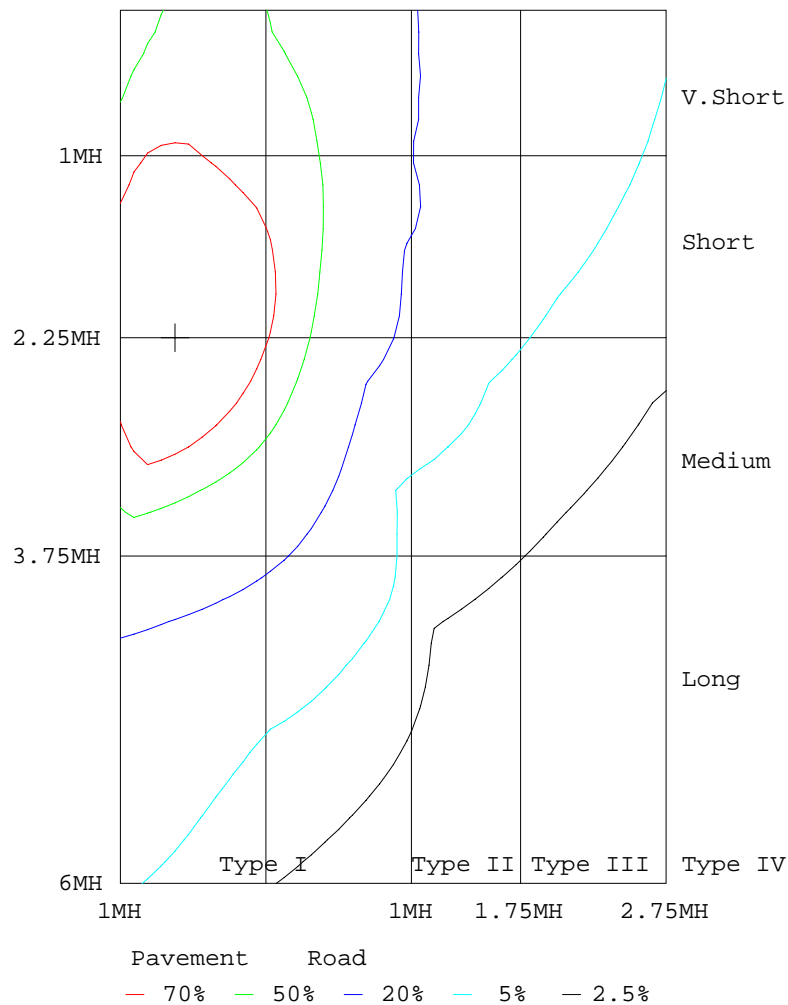
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-12-25

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:0.2376A P:50.09W PF:0.9616 Freq:50.18Hz Lamp Flux:7083.36x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-50WIL02-NV-L3-00-3070-T201-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:2020-12-25

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:0.2376A P:50.09W PF:0.9616 Freq:50.18Hz Lamp Flux:7083.36x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-50WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	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	1907	1907	1907	1907	1907	1907	1907	1907	1907	1907	1907	1907	1907	1907	1907	1907	1907	1907	1907
5	1918	1930	1938	1945	1949	1951	1949	1951	1949	1945	1938	1930	1918	1899	1884	1865	1852	1846	1842
10	1951	1971	1984	1983	1973	1973	1968	1973	1973	1983	1984	1971	1951	1916	1873	1828	1790	1761	1754
15	2009	2035	2043	2020	1993	1985	1975	1985	1993	2020	2043	2035	2009	1949	1873	1786	1704	1647	1626
20	2072	2108	2101	2067	2019	1989	1978	1989	2019	2067	2101	2108	2072	1991	1872	1726	1589	1492	1463
25	2130	2170	2163	2117	2048	1994	1977	1994	2048	2117	2163	2170	2130	2028	1862	1641	1452	1319	1282
30	2187	2235	2227	2187	2081	1990	1958	1990	2081	2187	2227	2235	2187	2068	1845	1544	1299	1146	1103
35	2244	2304	2304	2262	2116	1965	1905	1965	2116	2262	2304	2304	2244	2093	1816	1434	1136	980	944
40	2300	2379	2401	2351	2117	1874	1772	1874	2117	2351	2401	2379	2300	2091	1753	1283	973	859	834
45	2366	2478	2533	2439	2037	1658	1519	1658	2037	2439	2533	2478	2366	2078	1653	1093	852	773	756
50	2450	2619	2720	2481	1772	1315	1165	1315	1772	2481	2720	2619	2450	2052	1511	890	750	698	686
55	2571	2856	2964	2341	1330	788	629	788	1330	2341	2964	2856	2571	1962	1281	719	639	602	596
60	2700	3208	3178	1806	627	336	313	336	627	1806	3178	3208	2700	1764	947	556	507	482	485
65	2693	3651	2948	1162	264	208	204	208	264	1162	2948	3651	2693	1340	508	368	347	335	338
70	2154	3477	1774	668	161	142	139	142	161	668	1774	3477	2154	643	247	203	194	194	200
75	866	1694	793	295	90.5	83.2	82.3	83.2	90.5	295	793	1694	866	140	111	96.3	105	108	111
80	111	333	211	76.0	38.1	36.8	36.0	36.8	38.1	76.0	211	333	111	53.8	46.1	40.0	46.2	49.8	51.4
85	18.2	33.9	29.3	14.6	8.94	8.06	7.99	8.06	8.94	14.6	29.3	33.9	18.2	14.7	13.1	10.9	10.9	8.77	10.5
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:2020-12-25

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:0.2376A P:50.09W PF:0.9616 Freq:50.18Hz Lamp Flux:7083.36x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-50WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	1907	1907	1907	1907	1907														
5	1846	1852	1865	1884	1899														
10	1761	1790	1828	1873	1916														
15	1647	1704	1786	1873	1949														
20	1492	1589	1726	1872	1991														
25	1319	1452	1641	1862	2028														
30	1146	1299	1544	1845	2068														
35	980	1136	1434	1816	2093														
40	859	973	1283	1753	2091														
45	773	852	1093	1653	2078														
50	698	750	890	1511	2052														
55	602	639	719	1281	1962														
60	482	507	556	947	1764														
65	335	347	368	508	1340														
70	194	194	203	247	643														
75	108	105	96.3	111	140														
80	49.8	46.2	40.0	46.1	53.8														
85	8.77	10.9	10.9	13.1	14.7														
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:2020-12-25

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: