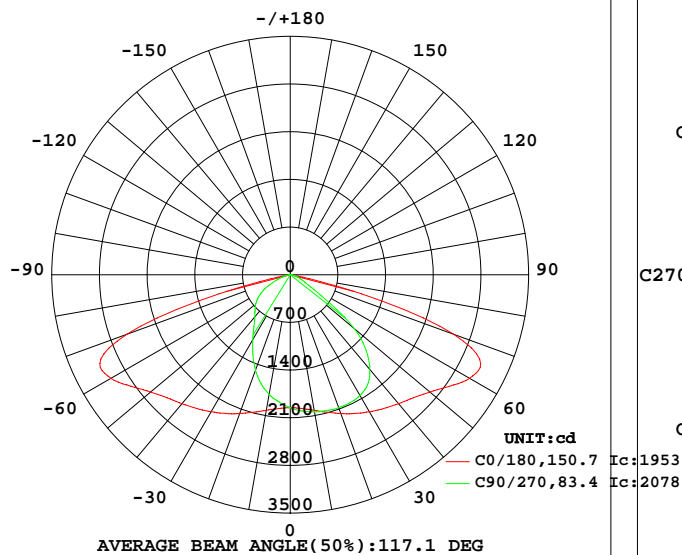
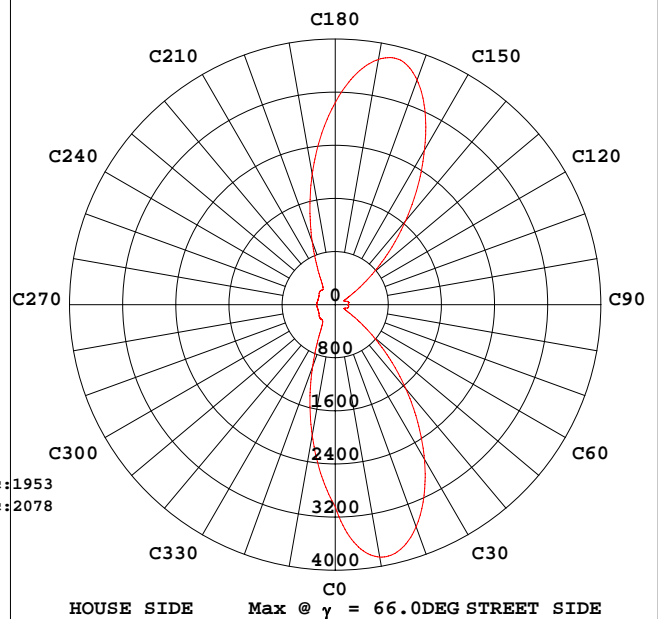


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.2303A P:48.92W PF:0.9694 Freq:49.99Hz Lamp Flux:7464.39x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T201-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 152.58 lm/W			
MODEL	3030	I _{max} (cd)	3813	η street_up(%)	0.0
NOMINAL POWER(W)	50	LOR(%)	100.0	η street_down(%)	62.3
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	7464	η house_up(%)	0.0
NOMINAL FLUX(lm)	7464.39	MAXIMUM @(C,γ)	165,66.0	η house_down(%)	37.7
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	18.294

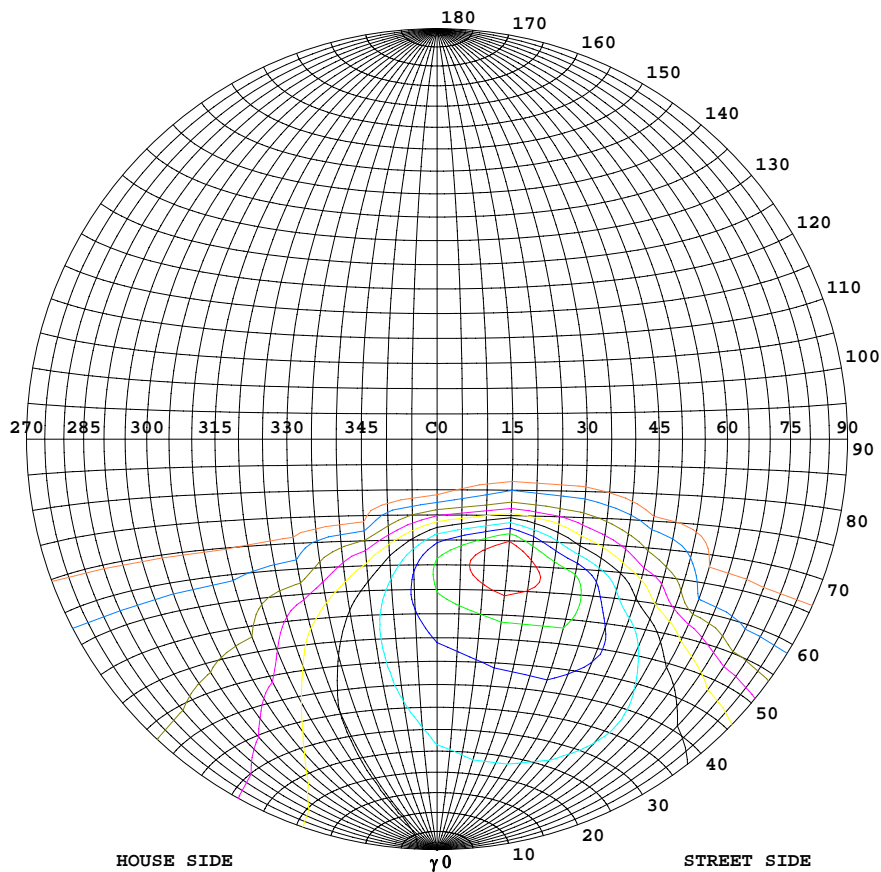
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-04-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.801m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.2V I:0.2303A P:48.92W PF:0.9694 Freq:49.99Hz Lamp Flux:7464.39x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T201-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



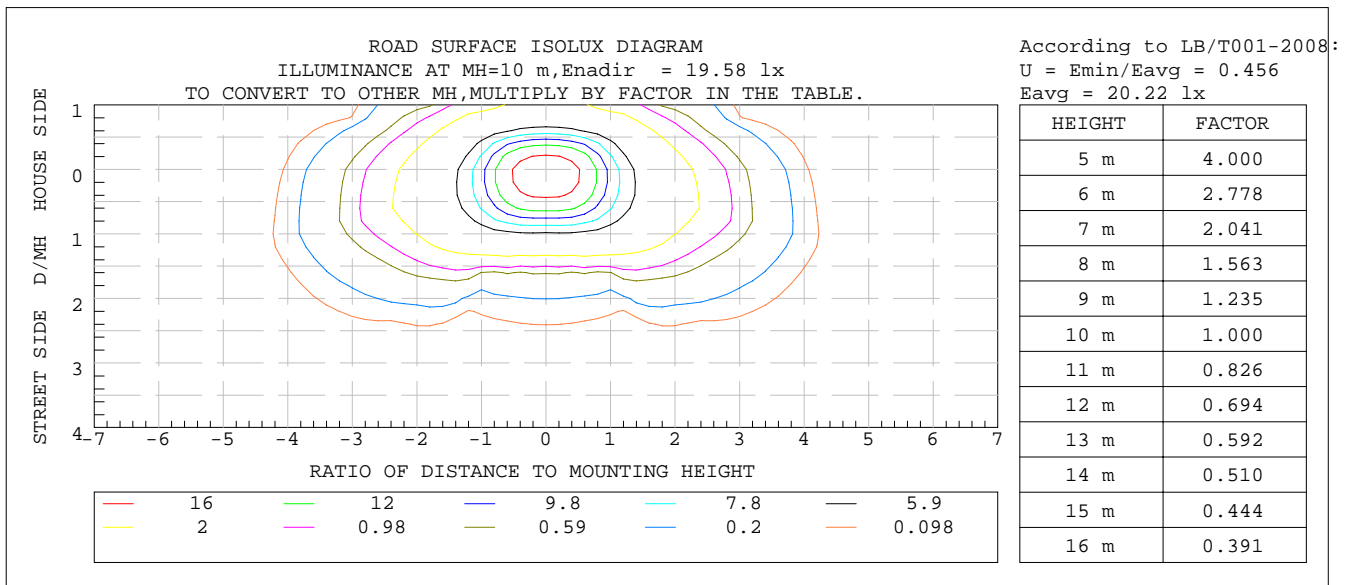
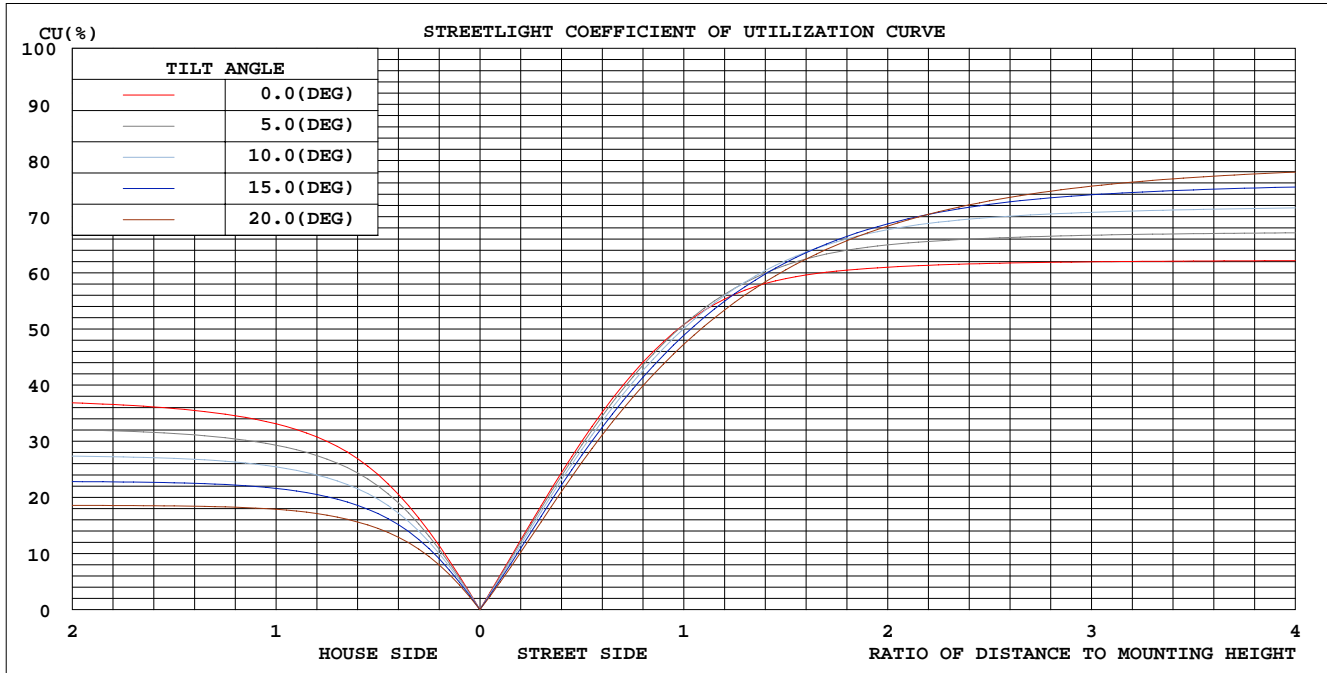
Classification:

IES:Type II - Short
 CIE:Narrow - Intermediate
 IES:Full cut-off
 CIE:Semi-cut-off
 Max.At80:49.94cd/klm
 Max.At90:0cd/klm
 Max.80-90:49.94cd/klm
 NRB 5101:Semi limited[17.0%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	3813
90%	3432
80%	3050
70%	2669
60%	2288
50%	1906
40%	1525
30%	1144
20%	763
10%	381
5%	191

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-04-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.801m [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: 2020-04-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.801m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.2V I:0.2303A P:48.92W PF:0.9694 Freq:49.99Hz Lamp Flux:7464.39x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T201-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

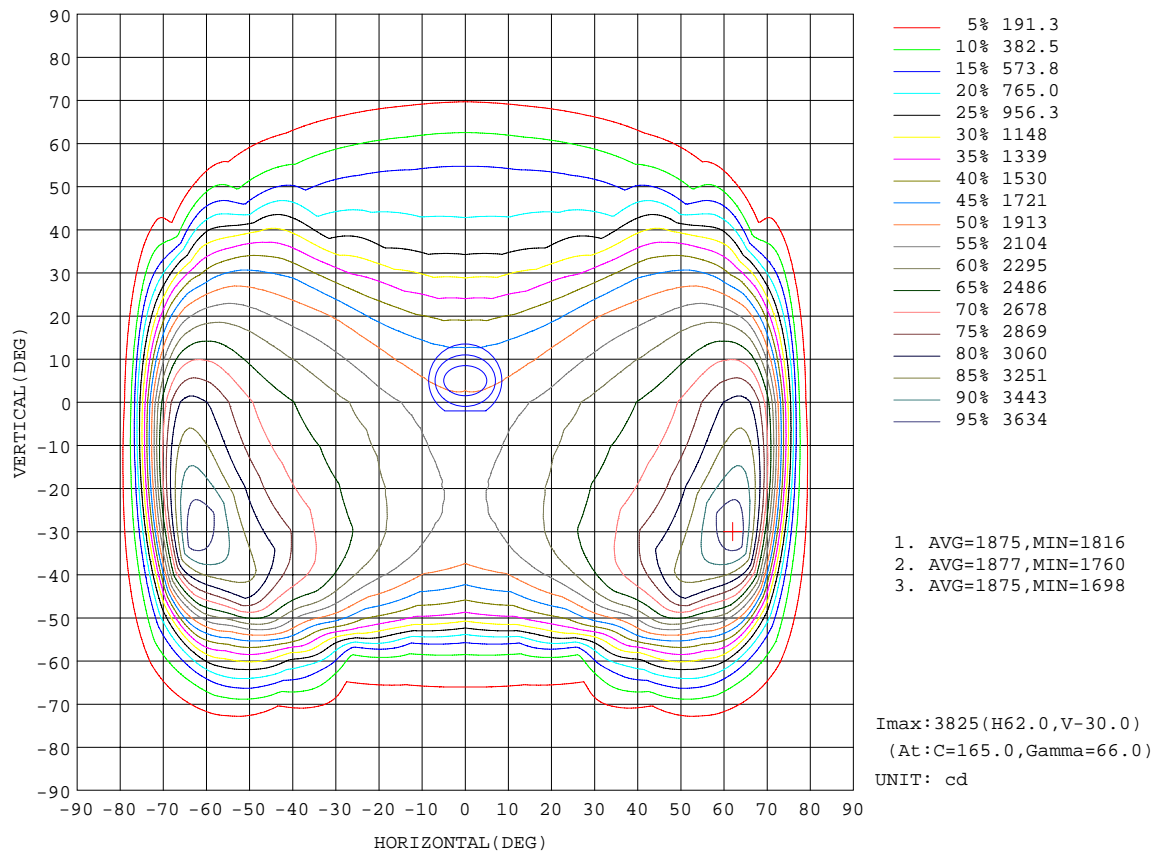
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	2021	2066	2045	2066	2021	1874	1785	1874	0- 10	187.2	187.2	2.51,2.51
20	2166	2192	2076	2192	2166	1774	1493	1774	10- 20	560.0	747.3	10,10
30	2323	2342	2047	2342	2323	1600	1102	1600	20- 30	912.5	1660	22.2,22.2
40	2473	2508	1820	2508	2473	1307	810.6	1307	30- 40	1216	2875	38.5,38.5
50	2679	2580	1224	2580	2679	870.6	659.3	870.6	40- 50	1433	4308	57.7,57.7
60	3040	1954	309.5	1954	3040	524.7	455.0	524.7	50- 60	1478	5786	77.5,77.5
70	2551	703.0	143.1	703.0	2551	184.2	184.2	184.2	60- 70	1205	6991	93.7,93.7
80	124.4	59.81	38.14	59.81	124.4	34.54	41.89	34.54	70- 80	445.3	7436	99.6,99.6
90	0	0	0	0	0	0	0	0	80- 90	28.39	7464	100,100
100	0	0	0	0	0	0	0	0	90-100	0	7464	100,100
110	0	0	0	0	0	0	0	0	100-110	0	7464	100,100
120	0	0	0	0	0	0	0	0	110-120	0	7464	100,100
130	0	0	0	0	0	0	0	0	120-130	0	7464	100,100
140	0	0	0	0	0	0	0	0	130-140	0	7464	100,100
150	0	0	0	0	0	0	0	0	140-150	0	7464	100,100
160	0	0	0	0	0	0	0	0	150-160	0	7464	100,100
170	0	0	0	0	0	0	0	0	160-170	0	7464	100,100
180	0	0	0	0	0	0	0	0	170-180	0	7464	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:2020-04-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.801m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

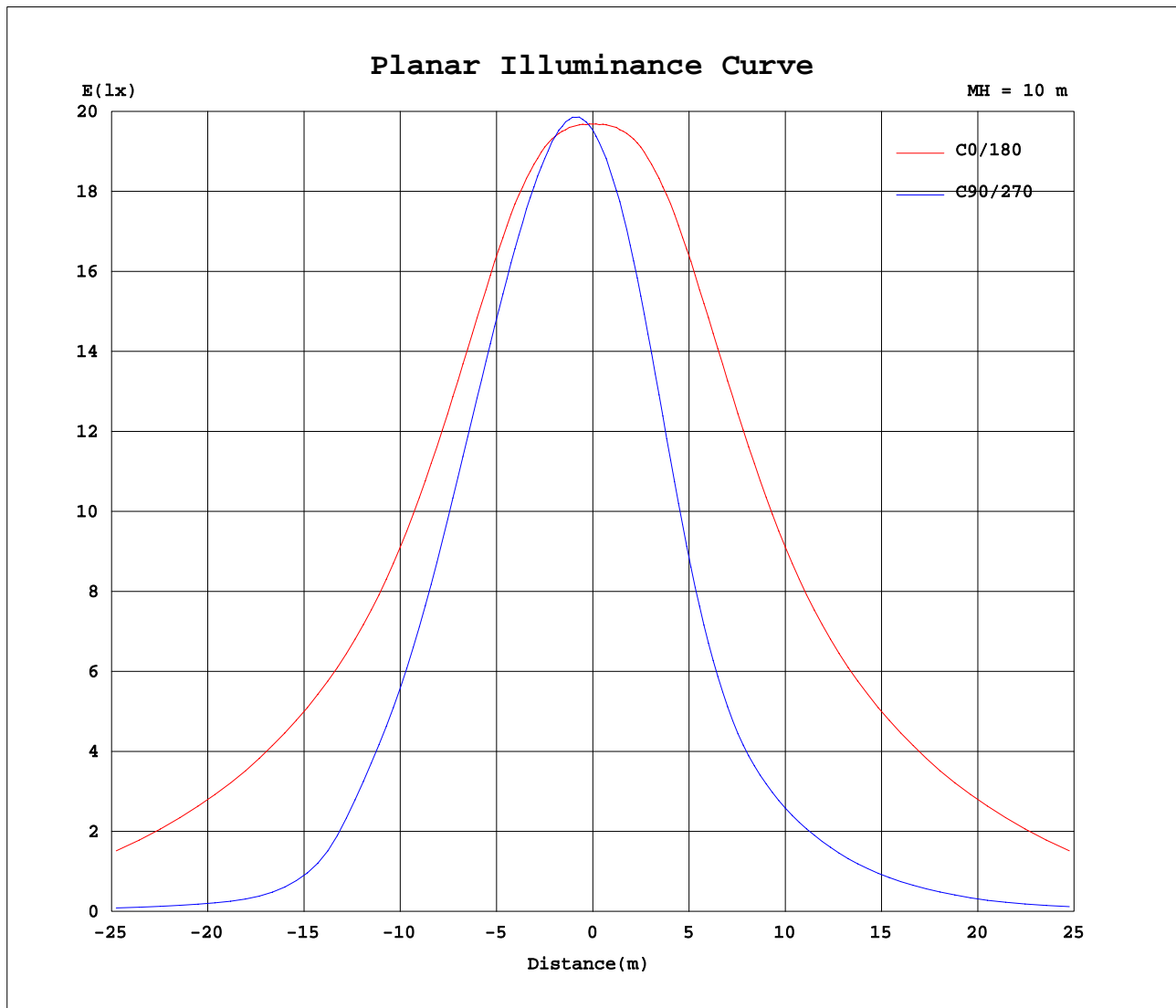
Test:U:219.2V I:0.2303A P:48.92W PF:0.9694 Freq:49.99Hz Lamp Flux:7464.39x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T201-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-04-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

Planar Illuminance Curve



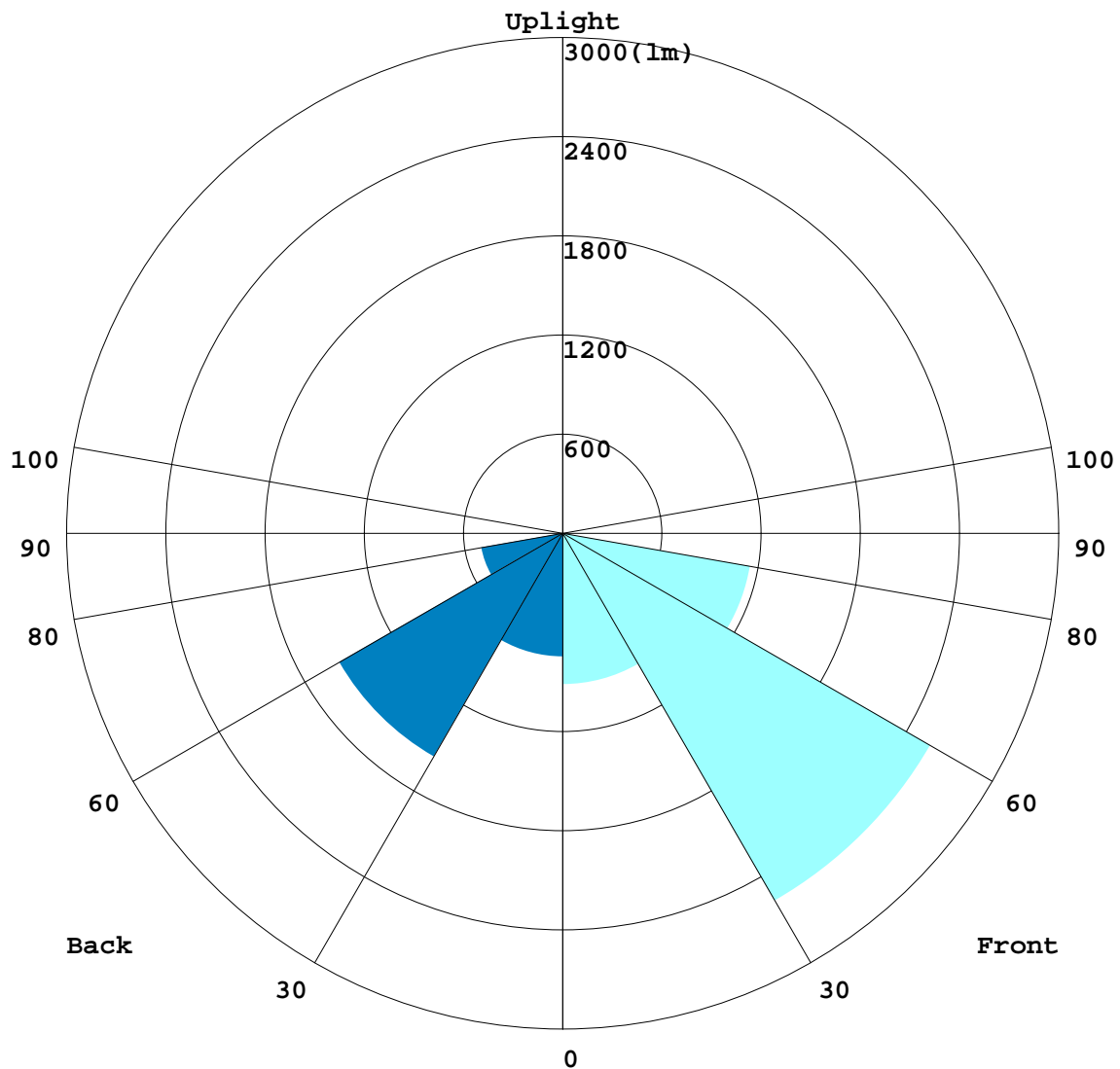
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-04-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.801m [K=1.0000]
Remarks:

LCS REPORT

Test:U:219.2V I:0.2303A P:48.92W PF:0.9694 Freq:49.99Hz Lamp Flux:7464.39x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T201-P	DIM.: 470*290*60mm	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:2020-04-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

BUG REPORT

Test:U:219.2V I:0.2303A P:48.92W PF:0.9694 Freq:49.99Hz Lamp Flux:7464.39x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T201-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	913.71	12.2
FM - Front-Medium(30-60)	2566.4	34.4
FH - Front-High(60-80)	1150.9	15.4
FVH - Front-Very High(80-90)	20.032	0.3
Total Forward Light	4651	62.3

BL - Back-Low(0-30)	746.05	10.0
BM - Back-Medium(30-60)	1560	20.9
BH - Back-High(60-80)	498.96	6.7
BVH - Back-Very High(80-90)	8.3627	0.1
Total Back Light	2813.4	37.7

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
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2813.4	0	2813.4
Street Side	4651	0	4651

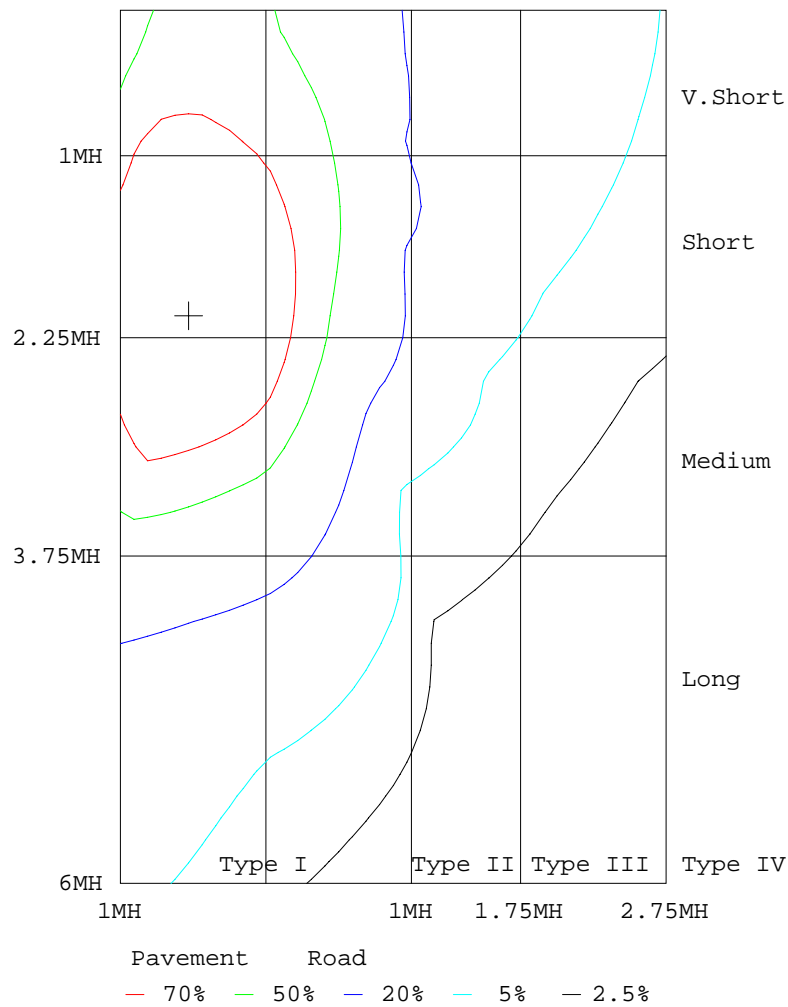
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-04-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.2V I:0.2303A P:48.92W PF:0.9694 Freq:49.99Hz Lamp Flux:7464.39x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T201-P	DIM.: 470*290*60mm	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:2020-04-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:0.2303A P:48.92W PF:0.9694 Freq:49.99Hz Lamp Flux:7464.39x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T201-P	DIM.: 470*290*60mm	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	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953
5	1972	1989	2000	2009	2008	2011	2008	2011	2008	2009	2000	1989	1972	1952	1928	1909	1893	1881	1877
10	2021	2049	2063	2066	2055	2051	2045	2051	2055	2066	2063	2049	2021	1976	1921	1874	1827	1794	1785
15	2090	2129	2137	2122	2098	2077	2065	2077	2098	2122	2137	2129	2090	2018	1927	1829	1739	1675	1657
20	2166	2219	2217	2192	2141	2098	2076	2098	2141	2192	2217	2219	2166	2067	1932	1774	1626	1518	1493
25	2246	2305	2306	2260	2186	2107	2074	2107	2186	2260	2306	2305	2246	2124	1937	1696	1480	1333	1299
30	2323	2386	2392	2342	2218	2102	2047	2102	2218	2342	2392	2386	2323	2177	1935	1600	1313	1143	1102
35	2395	2474	2486	2423	2245	2055	1975	2055	2245	2423	2486	2474	2395	2220	1918	1478	1135	966	931
40	2473	2566	2594	2508	2220	1937	1820	1937	2220	2508	2594	2566	2473	2250	1870	1307	952	835	811
45	2557	2683	2730	2568	2107	1716	1579	1716	2107	2568	2730	2683	2557	2262	1791	1093	829	751	731
50	2679	2854	2906	2580	1852	1392	1224	1392	1852	2580	2906	2854	2679	2263	1661	871	729	672	659
55	2855	3122	3101	2410	1462	795	639	795	1462	2410	3101	3122	2855	2219	1437	698	612	572	568
60	3040	3501	3225	1954	630	336	310	336	630	1954	3225	3501	3040	2044	1035	525	479	451	455
65	3084	3796	2877	1359	246	209	204	209	246	1359	2877	3796	3084	1597	505	341	319	298	306
70	2551	3395	1802	703	159	146	143	146	159	703	1802	3395	2551	789	236	184	180	179	184
75	1083	1695	903	253	92.6	86.7	85.2	86.7	92.6	253	903	1695	1083	141	106	87.0	94.7	95.3	99.2
80	124	373	248	59.8	40.0	39.3	38.1	39.3	40.0	59.8	248	373	124	54.2	42.9	34.5	38.4	40.3	41.9
85	19.3	36.4	37.9	12.8	9.22	8.75	8.30	8.75	9.22	12.8	37.9	36.4	19.3	13.2	10.9	8.18	8.31	7.72	8.42
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:2020-04-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:0.2303A P:48.92W PF:0.9694 Freq:49.99Hz Lamp Flux:7464.39x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T201-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC)	285	300	315	330	345														
γ (DEC)																			
0	1953	1953	1953	1953	1953														
5	1881	1893	1909	1928	1952														
10	1794	1827	1874	1921	1976														
15	1675	1739	1829	1927	2018														
20	1518	1626	1774	1932	2067														
25	1333	1480	1696	1937	2124														
30	1143	1313	1600	1935	2177														
35	966	1135	1478	1918	2220														
40	835	952	1307	1870	2250														
45	751	829	1093	1791	2262														
50	672	729	871	1661	2263														
55	572	612	698	1437	2219														
60	451	479	525	1035	2044														
65	298	319	341	505	1597														
70	179	180	184	236	789														
75	95.3	94.7	87.0	106	141														
80	40.3	38.4	34.5	42.9	54.2														
85	7.72	8.31	8.18	10.9	13.2														
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:2020-04-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks: