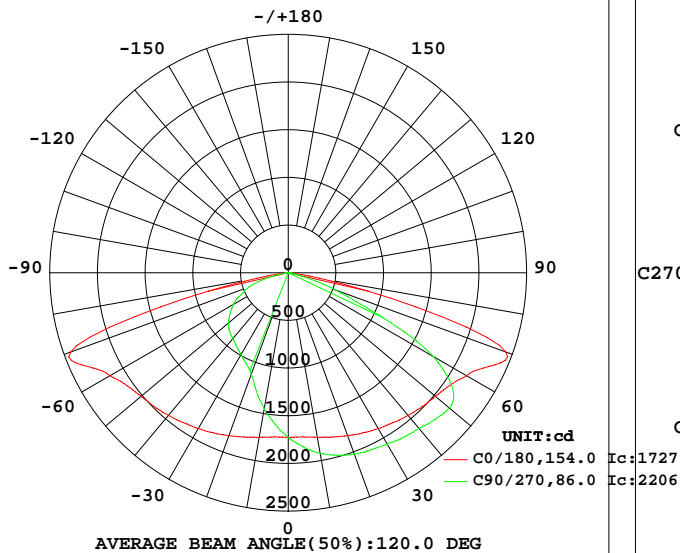
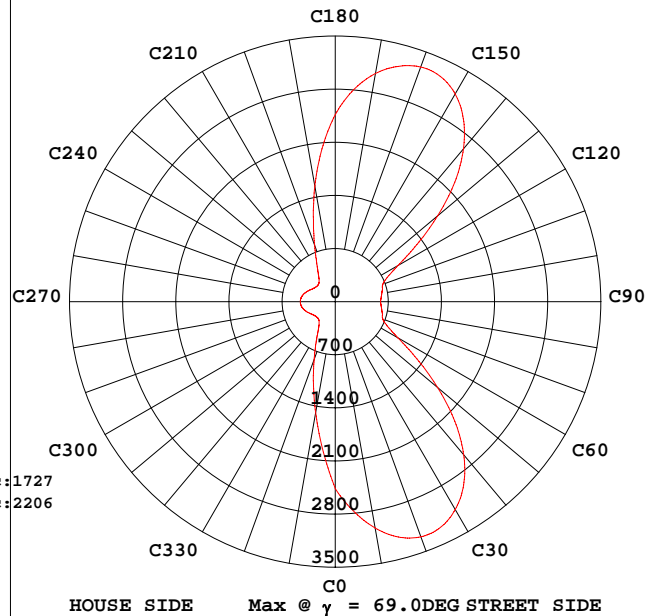


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.2335A P:49.67W PF:0.9703 Freq:49.99Hz Lamp Flux:7431.93x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T311-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 149.62 lm/W			
MODEL	3030	I _{max} (cd)	3210	η street_up(%)	0.0
NOMINAL POWER(W)	50	LOR(%)	100.0	η street_down(%)	66.7
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	7432	η house_up(%)	0.0
NOMINAL FLUX(lm)	7431.93	MAXIMUM @(C,γ)	165,69.0	η house_down(%)	33.3
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	19.875

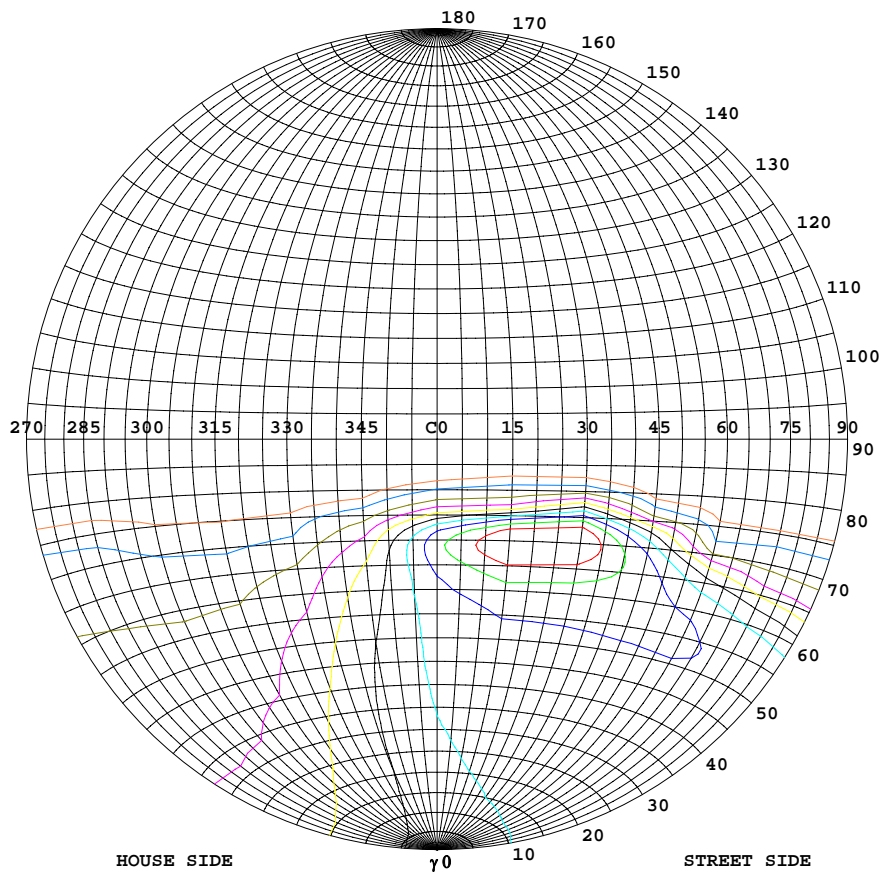
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-04-11

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:219.3V I:0.2335A P:49.67W PF:0.9703 Freq:49.99Hz Lamp Flux:7431.93x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T311-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



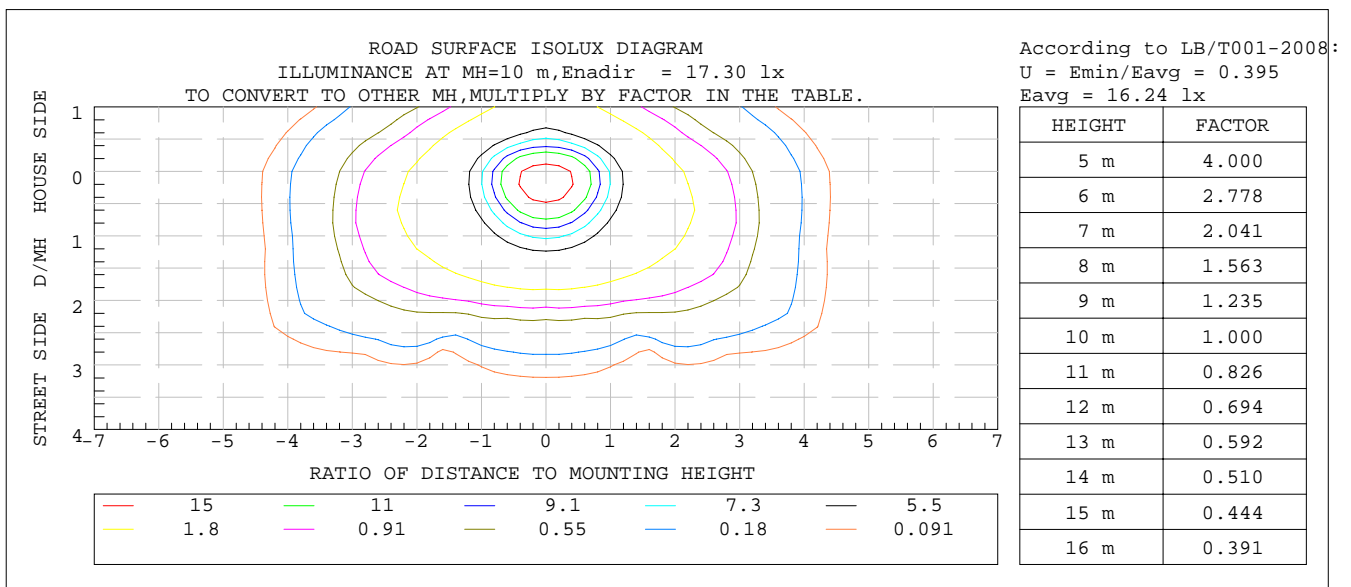
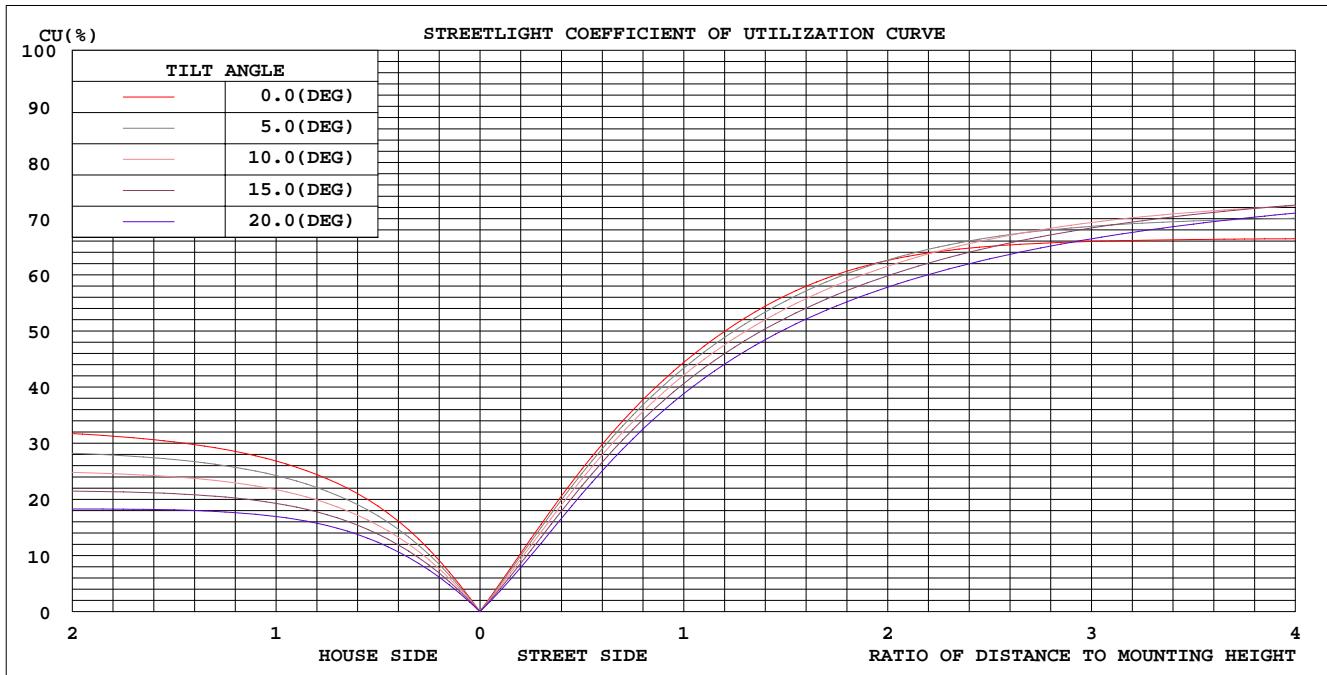
Classification:

IES:Type III - Medium
CIE:Broad - Intermediate
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:70.15cd/klm
Max.At90:0cd/klm
Max.80-90:70.15cd/klm
NRB 5101:Limited[4.3%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	3210
90%	2889
80%	2568
70%	2247
60%	1926
50%	1605
40%	1284
30%	963
20%	642
10%	321
5%	160

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-04-11

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: 2020-04-11

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:219.3V I:0.2335A P:49.67W PF:0.9703 Freq:49.99Hz Lamp Flux:7431.93x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T311-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

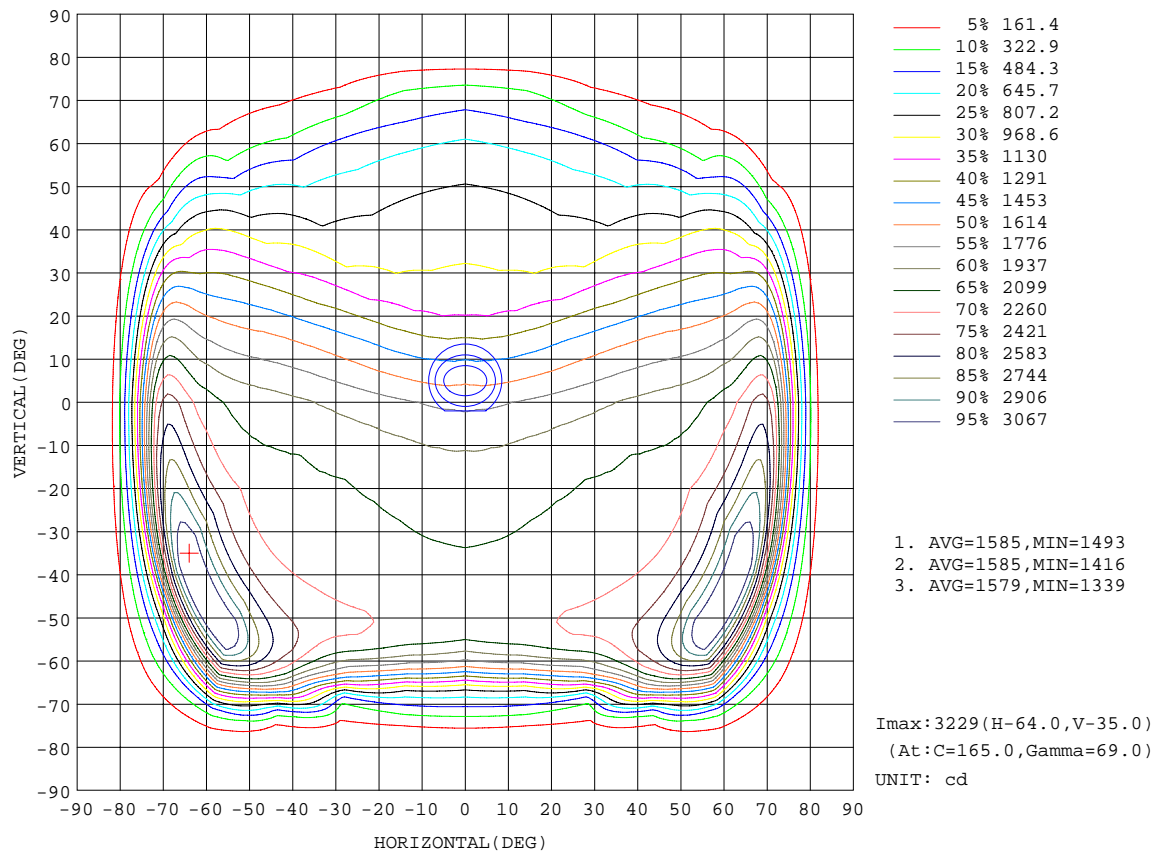
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	1752	1878	1922	1878	1752	1537	1448	1537	0- 10	163.9	163.9	2.21,2.21
20	1818	2001	2025	2001	1818	1356	1135	1356	10- 20	481.8	645.7	8.69,8.69
30	1886	2088	2076	2088	1886	1174	991.6	1174	20- 30	777.2	1423	19.1,19.1
40	1953	2144	2134	2144	1953	986.2	904.5	986.2	30- 40	1046	2469	33.2,33.2
50	2014	2217	2206	2217	2014	822.8	815.4	822.8	40- 50	1279	3748	50.4,50.4
60	2161	2374	1753	2374	2161	630.6	664.2	630.6	50- 60	1451	5199	70,70
70	2425	2119	523.5	2119	2425	280.8	439.2	280.8	60- 70	1446	6645	89.4,89.4
80	332.8	109.3	54.13	109.3	332.8	58.52	62.19	58.52	70- 80	742.1	7387	99.4,99.4
90	0	0	0	0	0	0	0	0	80- 90	44.94	7432	100,100
100	0	0	0	0	0	0	0	0	90-100	0	7432	100,100
110	0	0	0	0	0	0	0	0	100-110	0	7432	100,100
120	0	0	0	0	0	0	0	0	110-120	0	7432	100,100
130	0	0	0	0	0	0	0	0	120-130	0	7432	100,100
140	0	0	0	0	0	0	0	0	130-140	0	7432	100,100
150	0	0	0	0	0	0	0	0	140-150	0	7432	100,100
160	0	0	0	0	0	0	0	0	150-160	0	7432	100,100
170	0	0	0	0	0	0	0	0	160-170	0	7432	100,100
180	0	0	0	0	0	0	0	0	170-180	0	7432	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:2020-04-11

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

ISOCANDELA DIAGRAM

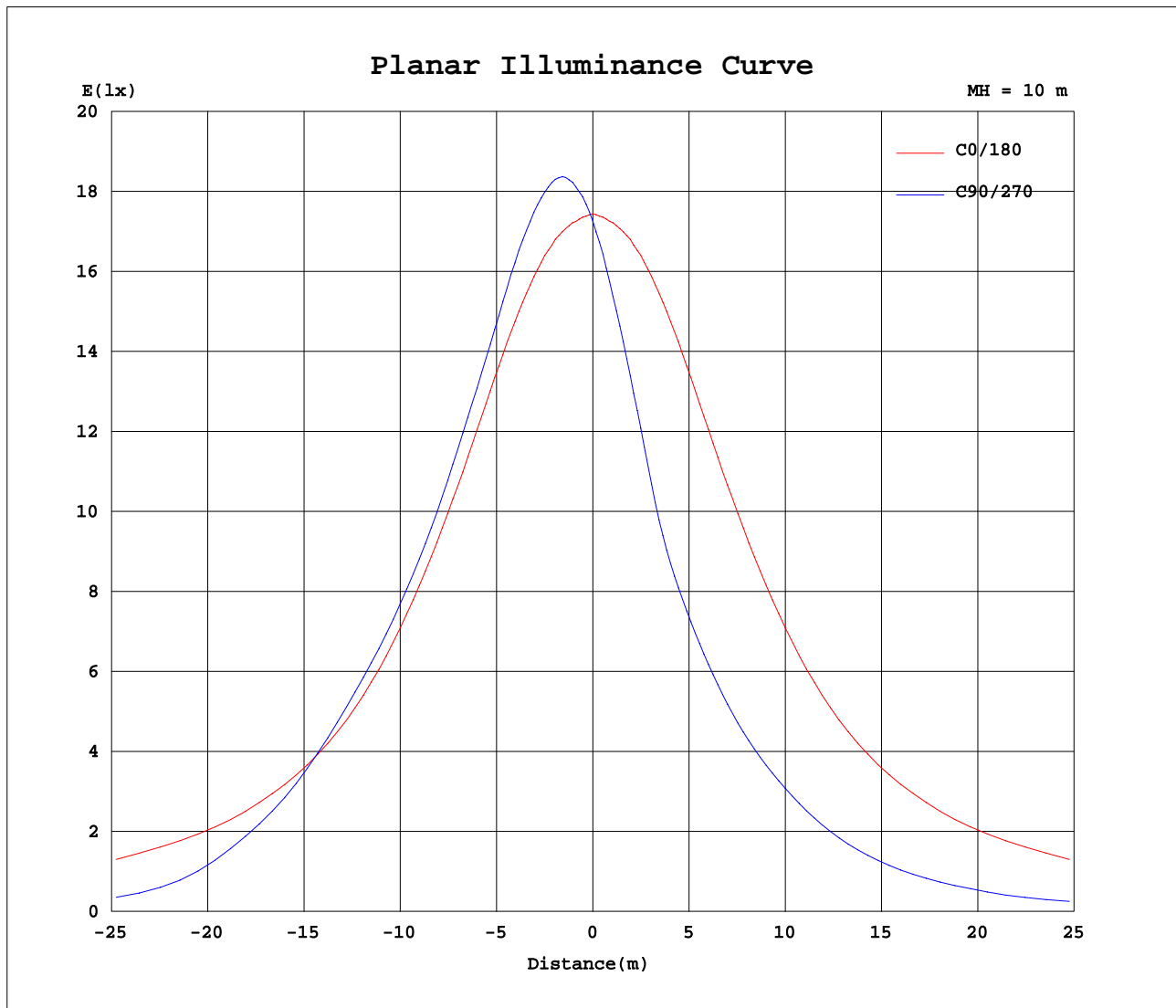
Test:U:219.3V I:0.2335A P:49.67W PF:0.9703 Freq:49.99Hz Lamp Flux:7431.93x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T311-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-04-11

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



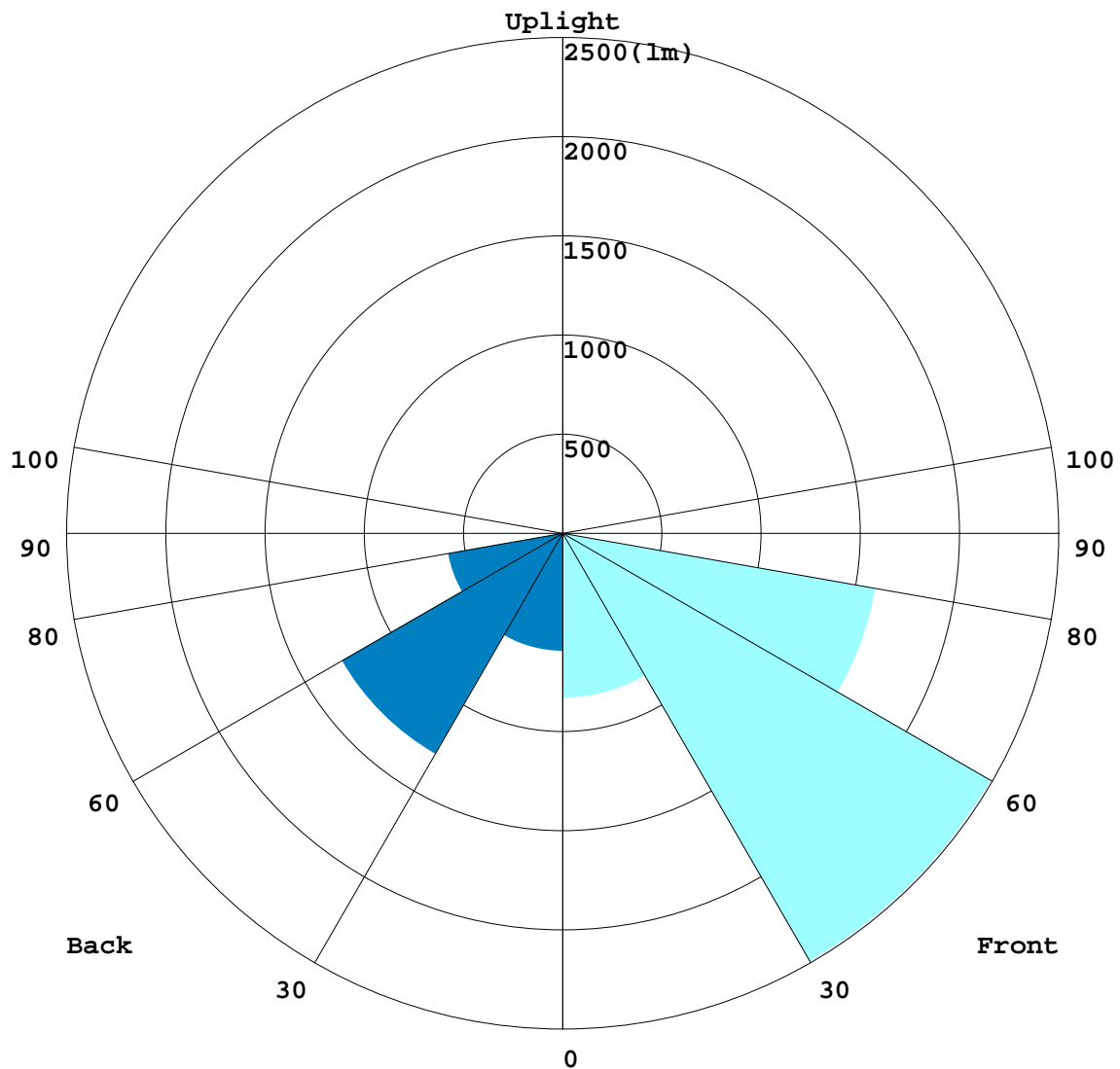
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-04-11

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:219.3V I:0.2335A P:49.67W PF:0.9703 Freq:49.99Hz Lamp Flux:7431.93x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T311-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:2020-04-11

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:219.3V I:0.2335A P:49.67W PF:0.9703 Freq:49.99Hz Lamp Flux:7431.93x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T311-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)	829.71	11.2
FM - Front-Medium(30-60)	2491.5	33.5
FH - Front-High(60-80)	1601.5	21.5
FVH - Front-Very High(80-90)	31.137	0.4
Total Forward Light	4953.9	66.7

BL - Back-Low(0-30)	593.16	8.0
BM - Back-Medium(30-60)	1284.7	17.3
BH - Back-High(60-80)	586.36	7.9
BVH - Back-Very High(80-90)	13.805	0.2
Total Back Light	2478.1	33.3

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	2478.1	0	2478.1
Street Side	4953.9	0	4953.9

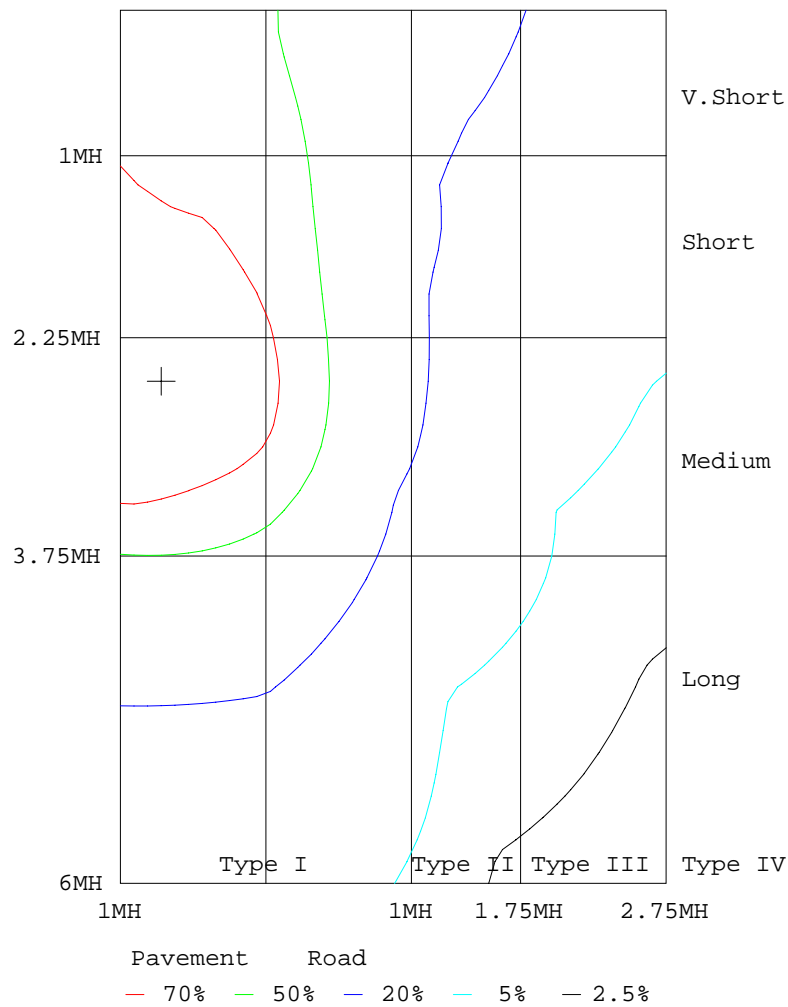
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-04-11

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:219.3V I:0.2335A P:49.67W PF:0.9703 Freq:49.99Hz Lamp Flux:7431.93x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T311-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:2020-04-11

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:219.3V I:0.2335A P:49.67W PF:0.9703 Freq:49.99Hz Lamp Flux:7431.93x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T311-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	1727	1727	1727	1727	1727	1727	1727	1727	1727	1727	1727	1727	1727	1727	1727	1727	1727	1727	1727
5	1728	1757	1783	1806	1817	1832	1834	1832	1817	1806	1783	1757	1728	1694	1661	1629	1610	1598	1593
10	1752	1802	1846	1878	1898	1915	1922	1915	1898	1878	1846	1802	1752	1679	1606	1537	1485	1455	1448
15	1783	1854	1914	1948	1966	1977	1981	1977	1966	1948	1914	1854	1783	1673	1557	1447	1359	1302	1290
20	1818	1906	1971	2001	2012	2022	2025	2022	2012	2001	1971	1906	1818	1674	1513	1356	1231	1151	1135
25	1853	1958	2022	2048	2057	2054	2051	2054	2057	2048	2022	1958	1853	1677	1475	1270	1116	1056	1049
30	1886	2004	2063	2088	2086	2082	2076	2082	2086	2088	2063	2004	1886	1681	1430	1174	1024	990	992
35	1918	2047	2100	2113	2121	2118	2107	2118	2121	2113	2100	2047	1918	1683	1371	1077	952	939	943
40	1953	2084	2128	2144	2158	2147	2134	2147	2158	2144	2128	2084	1953	1674	1299	986	894	897	904
45	1986	2117	2154	2176	2187	2189	2178	2189	2187	2176	2154	2117	1986	1651	1219	904	840	856	871
50	2014	2160	2189	2217	2227	2228	2206	2228	2227	2217	2189	2160	2014	1609	1123	823	776	799	815
55	2065	2250	2257	2281	2271	2184	2102	2184	2271	2281	2257	2250	2065	1550	1005	733	698	724	746
60	2161	2446	2421	2374	2172	1901	1753	1901	2172	2374	2421	2446	2161	1468	863	631	602	632	664
65	2323	2850	2787	2428	1723	1246	1041	1246	1723	2428	2787	2850	2323	1325	685	472	486	508	546
70	2425	3190	3196	2119	676	558	524	558	676	2119	3196	3190	2425	1043	395	281	309	401	439
75	1385	1862	2368	937	191	182	190	182	191	937	2368	1862	1385	506	194	157	167	247	263
80	333	415	521	109	59.6	56.7	54.1	56.7	59.6	109	521	415	333	98.6	66.0	58.5	68.3	58.4	62.2
85	32.4	50.5	52.6	20.6	15.3	14.4	13.6	14.4	15.3	20.6	52.6	50.5	32.4	17.1	14.9	13.0	13.3	11.6	12.0
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:2020-04-11

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:219.3V I:0.2335A P:49.67W PF:0.9703 Freq:49.99Hz Lamp Flux:7431.93x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T311-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	1727	1727	1727	1727	1727														
5	1598	1610	1629	1661	1694														
10	1455	1485	1537	1606	1679														
15	1302	1359	1447	1557	1673														
20	1151	1231	1356	1513	1674														
25	1056	1116	1270	1475	1677														
30	990	1024	1174	1430	1681														
35	939	952	1077	1371	1683														
40	897	894	986	1299	1674														
45	856	840	904	1219	1651														
50	799	776	823	1123	1609														
55	724	698	733	1005	1550														
60	632	602	631	863	1468														
65	508	486	472	685	1325														
70	401	309	281	395	1043														
75	247	167	157	194	506														
80	58.4	68.3	58.5	66.0	98.6														
85	11.6	13.3	13.0	14.9	17.1														
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:2020-04-11

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: