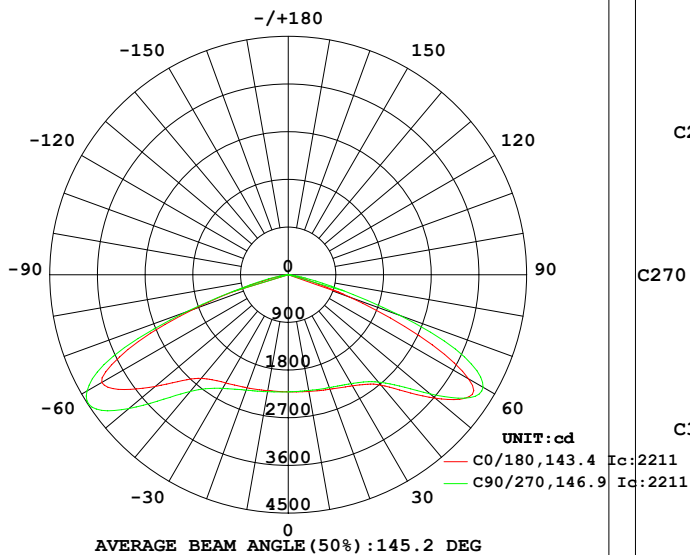
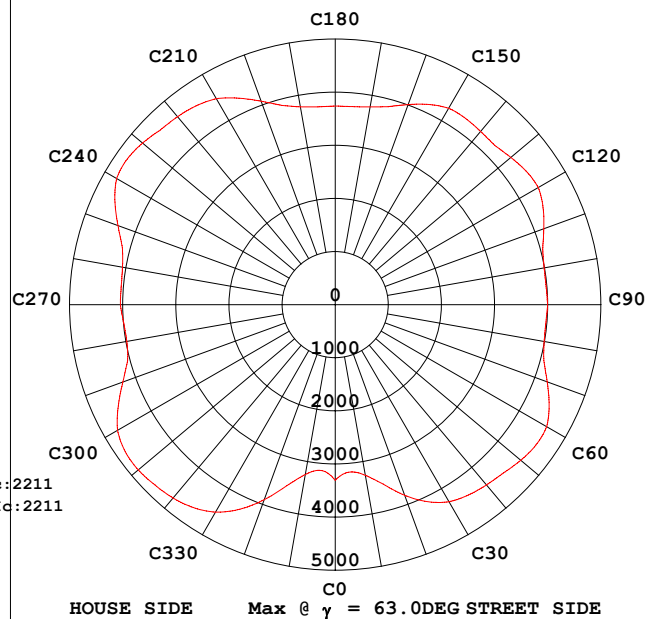


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.4V I:0.5433A P:116.7W PF:0.9787 Freq:60.01Hz Lamp Flux:14211.9x1 lm		
NAME: AOK IP	TYPE:LED STREET LIGHT	WEIGHT:7.5kg
SPEC.:AOK-120WiP-NVF-L3-00-3070-T501-P	DIM.: $\Phi 460 \times 80$ mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi 409 \times 297$ mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 121.80 lm/W			
MODEL	3030	I _{max} (cd)	4799	η street_up (%)	0.0
NOMINAL POWER (W)	120	LOR (%)	100.0	η street_down (%)	49.2
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	14212	η house_up (%)	0.0
NOMINAL FLUX (lm)	14211.9	MAXIMUM @ (C, γ)	315,63.0	η house_down (%)	50.8
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	17.354

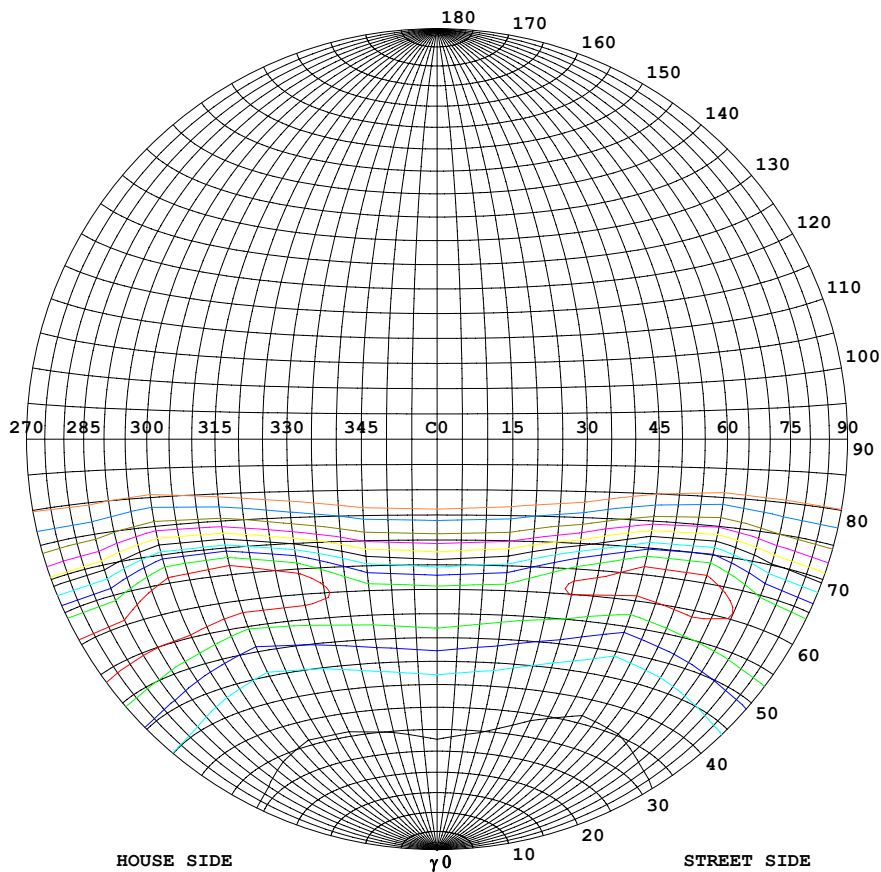
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2021-11-10

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:219.4V I:0.5433A P:116.7W PF:0.9787 Freq:60.01Hz Lamp Flux:14211.9x1 lm		
NAME: AOK IP	TYPE:LED STREET LIGHT	WEIGHT:7.5kg
SPEC.:AOK-120WiP-NVF-L3-00-3070-T501-P	DIM.: Φ 460*80mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 409-297mm	Shielding Angle:



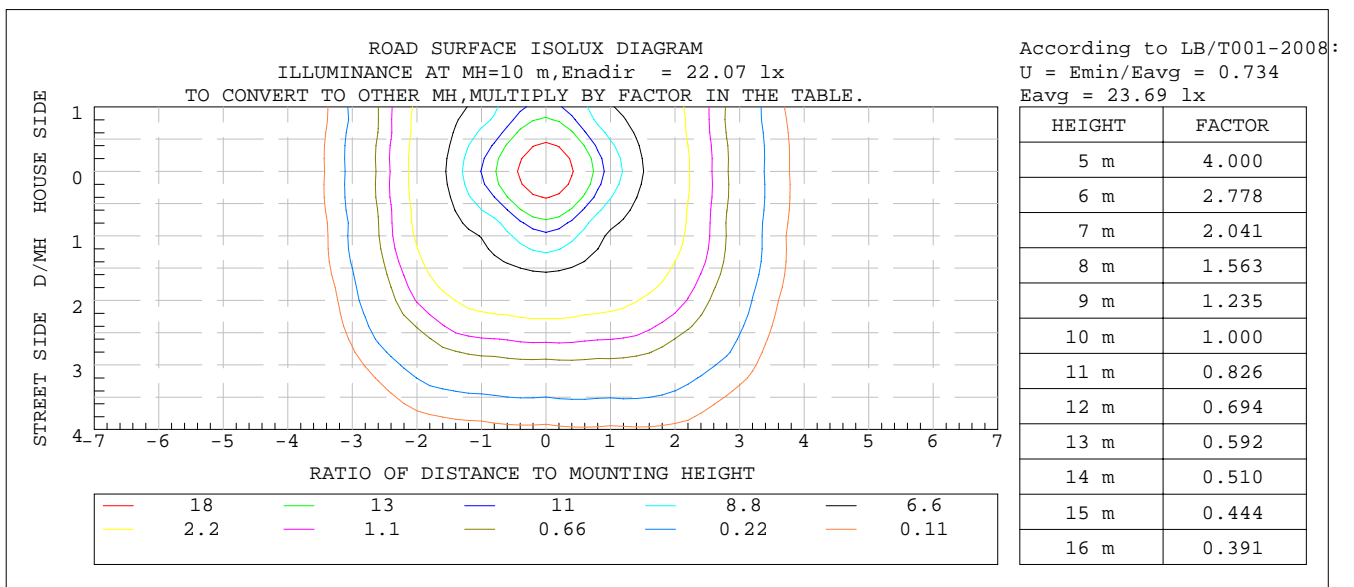
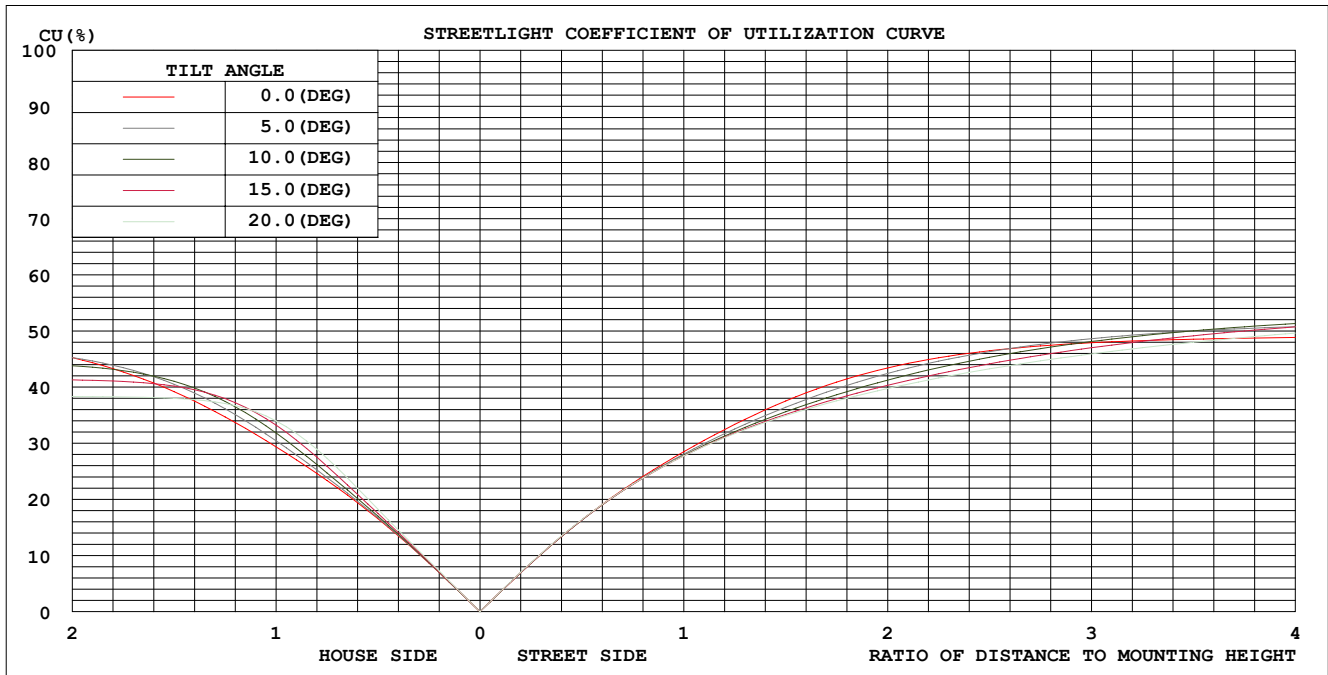
Classification:

IES:Type III - Short
 CIE:Broad - Intermediate
 IES:Full cut-off
 CIE:Semi-cut-off
 Max.At80:33.12cd/klm
 Max.At90:0cd/klm
 Max.80-90:33.12cd/klm
 NRB 5101:Limited[4.8%]

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	4799
90%	4319
80%	3840
70%	3360
60%	2880
50%	2400
40%	1920
30%	1440
20%	960
10%	480
5%	240

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-11-10

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: 2021-11-10

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:219.4V I:0.5433A P:116.7W PF:0.9787 Freq:60.01Hz Lamp Flux:14211.9x1 lm		
NAME: AOK IP	TYPE:LED STREET LIGHT	WEIGHT:7.5kg
SPEC.:AOK-120WiP-NVF-L3-00-3070-T501-P	DIM.: Φ 460*80mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 409-297mm	Shielding Angle:

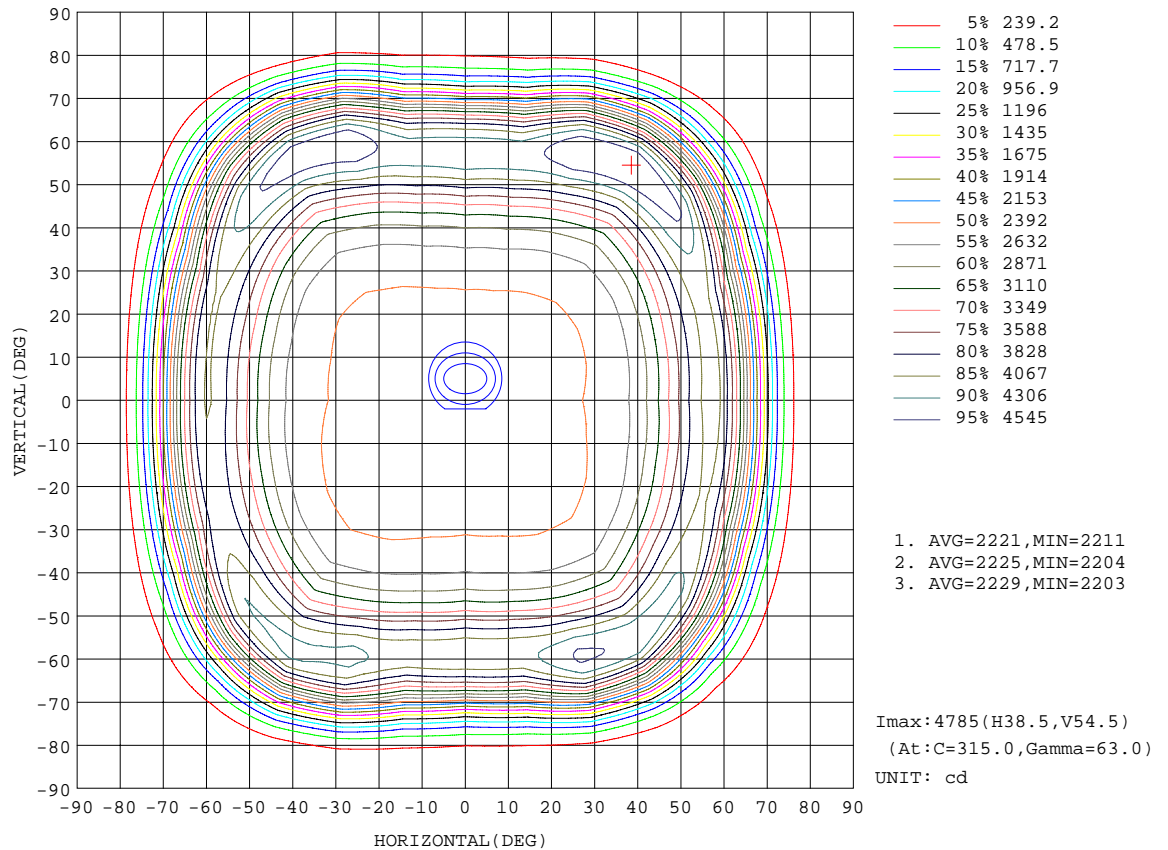
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	2236	2226	2219	2218	2222	2233	2242	2242	0- 10	212.0	212.0	1.49,1.49
20	2300	2270	2268	2256	2271	2282	2318	2299	10- 20	640.0	851.9	5.99,5.99
30	2421	2323	2375	2297	2359	2353	2477	2391	20- 30	1077	1929	13.6,13.6
40	2720	2463	2646	2411	2555	2502	2877	2597	30- 40	1552	3481	24.5,24.5
50	3623	2950	3496	2788	3280	2998	3928	3257	40- 50	2258	5738	40.4,40.4
60	3929	4202	4244	3900	4066	4297	4386	4634	50- 60	3466	9205	64.8,64.8
70	1239	3271	2232	3875	1888	3720	2040	3119	60- 70	3718	12923	90.9,90.9
80	72.18	236.6	248.5	441.2	144.3	361.5	228.2	192.4	70- 80	1222	14144	99.5,99.5
90	0	0	0	0	0	0	0	0	80- 90	67.41	14212	100,100
100	0	0	0	0	0	0	0	0	90-100	0	14212	100,100
110	0	0	0	0	0	0	0	0	100-110	0	14212	100,100
120	0	0	0	0	0	0	0	0	110-120	0	14212	100,100
130	0	0	0	0	0	0	0	0	120-130	0	14212	100,100
140	0	0	0	0	0	0	0	0	130-140	0	14212	100,100
150	0	0	0	0	0	0	0	0	140-150	0	14212	100,100
160	0	0	0	0	0	0	0	0	150-160	0	14212	100,100
170	0	0	0	0	0	0	0	0	160-170	0	14212	100,100
180	0	0	0	0	0	0	0	0	170-180	0	14212	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:2021-11-10

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

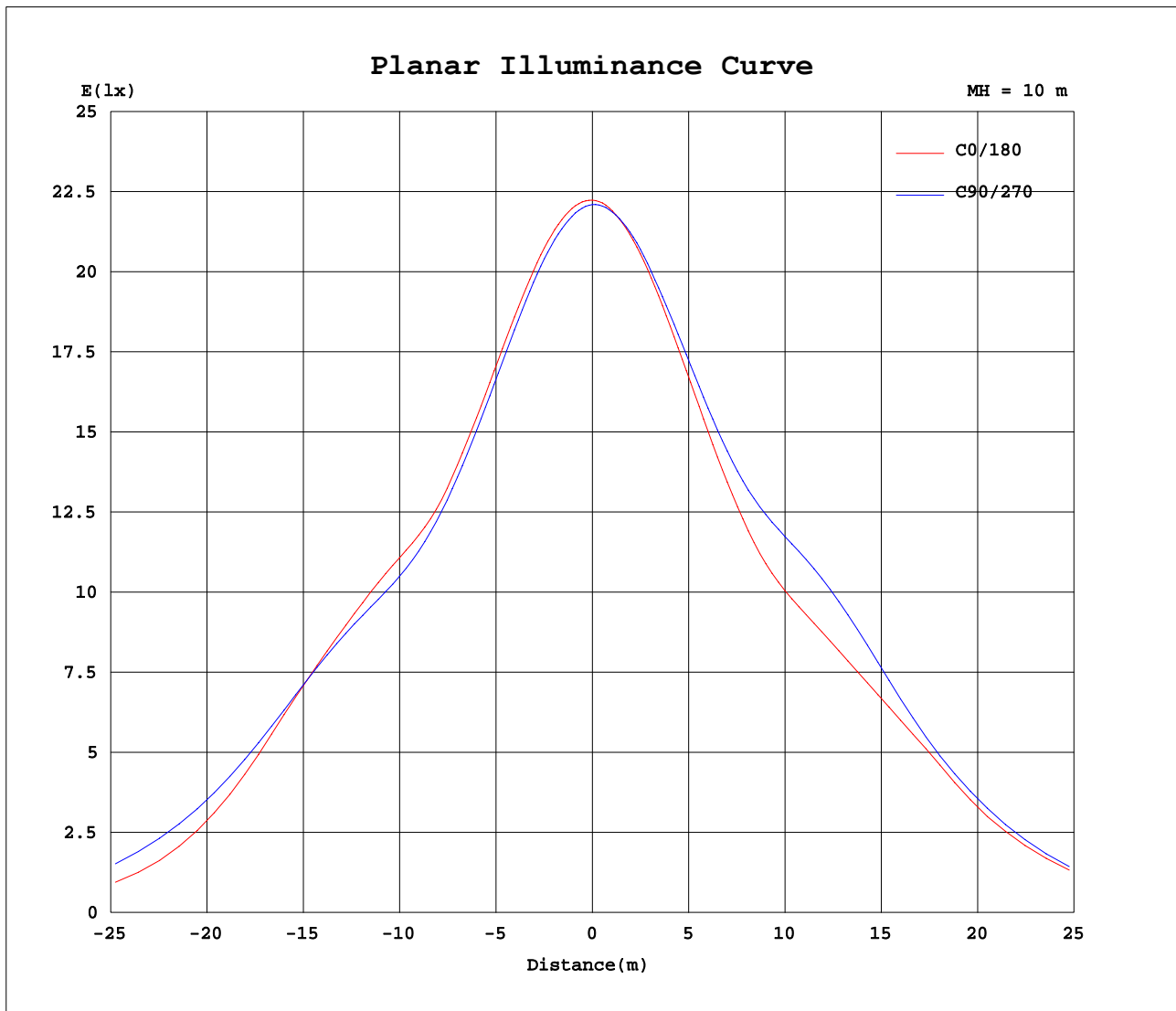
Test:U:219.4V I:0.5433A P:116.7W PF:0.9787 Freq:60.01Hz Lamp Flux:14211.9x1 lm		
NAME: AOK IP	TYPE:LED STREET LIGHT	WEIGHT:7.5kg
SPEC.:AOK-120WiP-NVF-L3-00-3070-T501-P	DIM.: Φ 460*80mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 409-297mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-10

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



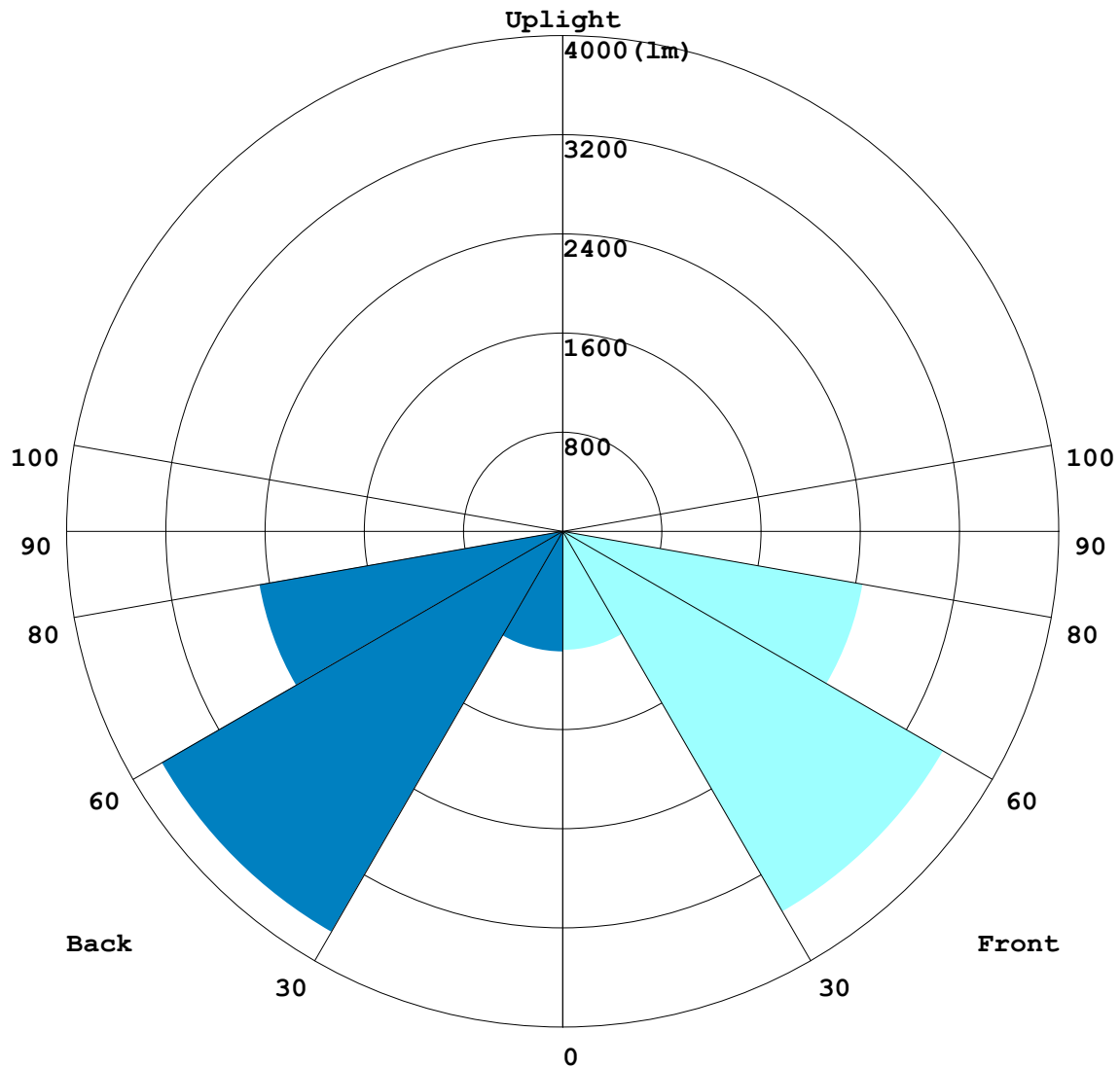
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2021-11-10

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:219.4V I:0.5433A P:116.7W PF:0.9787 Freq:60.01Hz Lamp Flux:14211.9x1 lm		
NAME: AOK IP	TYPE:LED STREET LIGHT	WEIGHT:7.5kg
SPEC.:AOK-120WiP-NVF-L3-00-3070-T501-P	DIM.: Φ 460*80mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 409-297mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-11-10

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:219.4V I:0.5433A P:116.7W PF:0.9787 Freq:60.01Hz Lamp Flux:14211.9x1 lm		
NAME: AOK IP	TYPE:LED STREET LIGHT	WEIGHT:7.5kg
SPEC.:AOK-120WiP-NVF-L3-00-3070-T501-P	DIM.: Φ 460*80mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 409-297mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	958.52	6.7
FM - Front-Medium(30-60)	3543.8	24.9
FH - Front-High(60-80)	2457.3	17.3
FVH - Front-Very High(80-90)	35.622	0.3
Total Forward Light	6995.3	49.2

BL - Back-Low(0-30)	970.36	6.8
BM - Back-Medium(30-60)	3731.9	26.3
BH - Back-High(60-80)	2482.6	17.5
BVH - Back-Very High(80-90)	31.791	0.2
Total Back Light	7216.6	50.8

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	B3-U0-G3
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7216.6	0	7216.6
Street Side	6995.3	0	6995.3

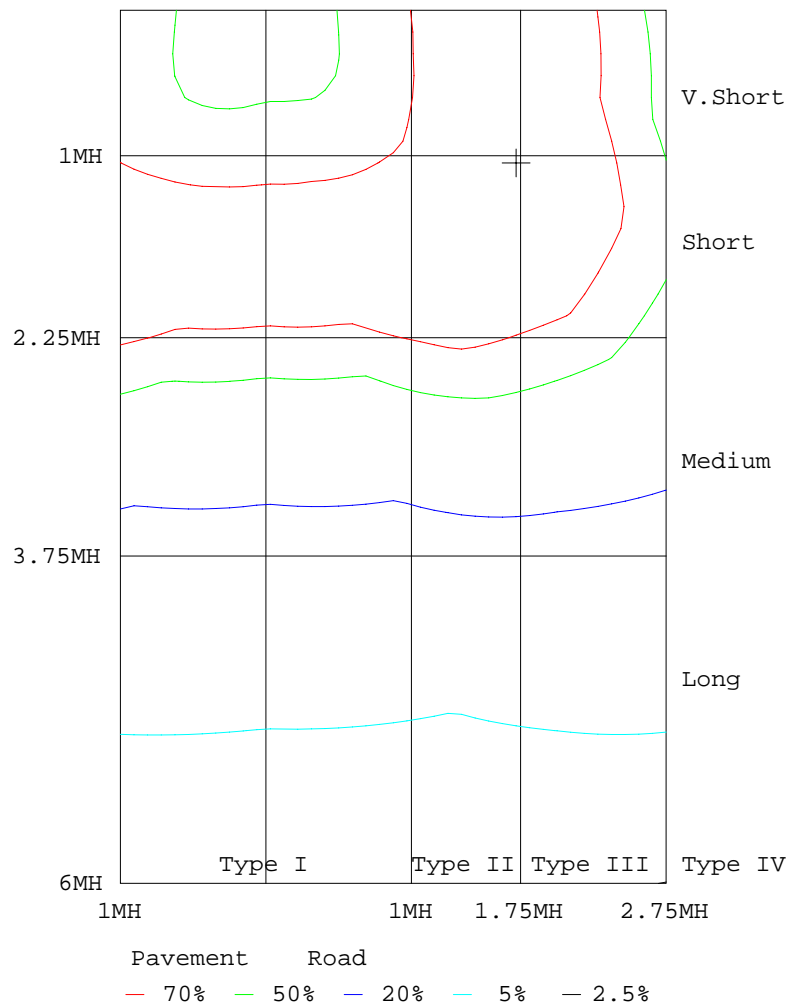
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-10

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:219.4V I:0.5433A P:116.7W PF:0.9787 Freq:60.01Hz Lamp Flux:14211.9x1 lm		
NAME: AOK IP	TYPE:LED STREET LIGHT	WEIGHT:7.5kg
SPEC.:AOK-120WiP-NVF-L3-00-3070-T501-P	DIM.: $\Phi 460 \times 80$ mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi 409 \times 297$ mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-10

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:219.4V I:0.5433A P:116.7W PF:0.9787 Freq:60.01Hz Lamp Flux:14211.9x1 lm		
NAME: AOK IP	TYPE:LED STREET LIGHT	WEIGHT:7.5kg
SPEC.:AOK-120WiP-NVF-L3-00-3070-T501-P	DIM.: Φ 460*80mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 409-297mm	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	2211	2211	2211	2211	2211	2211	2211	2211	2211	2211	2211	2211	2211	2211	2211	2211	2211	2211	2211
5	2219	2218	2217	2213	2213	2211	2211	2210	2210	2210	2210	2211	2212	2214	2216	2217	2218	2221	2220
10	2236	2234	2231	2226	2224	2222	2219	2219	2220	2218	2219	2220	2222	2225	2228	2233	2237	2242	2242
15	2265	2259	2253	2247	2245	2243	2240	2237	2238	2236	2237	2240	2243	2245	2250	2256	2262	2271	2275
20	2300	2291	2280	2270	2266	2269	2268	2264	2258	2256	2259	2266	2271	2274	2276	2282	2294	2310	2318
25	2352	2335	2310	2291	2293	2305	2310	2300	2285	2274	2283	2298	2307	2307	2302	2311	2338	2368	2385
30	2421	2396	2353	2323	2332	2358	2375	2356	2321	2297	2313	2342	2359	2354	2341	2353	2394	2451	2477
35	2528	2485	2416	2374	2392	2442	2473	2441	2378	2340	2363	2405	2431	2420	2395	2408	2478	2575	2623
40	2720	2662	2539	2463	2500	2587	2646	2584	2482	2411	2442	2514	2555	2535	2489	2502	2624	2789	2877
45	3116	3004	2798	2624	2718	2873	2972	2859	2678	2540	2618	2752	2825	2787	2683	2674	2887	3169	3321
50	3623	3495	3259	2950	3142	3375	3496	3341	3059	2788	2961	3169	3280	3224	3065	2998	3365	3745	3928
55	4066	3945	3824	3506	3797	3975	4062	3933	3654	3244	3481	3641	3777	3727	3629	3558	4040	4290	4423
60	3929	3993	4321	4202	4448	4240	4244	4219	4267	3900	4034	3991	4066	4057	4233	4297	4628	4407	4386
65	2728	2981	3955	4488	4490	3788	3671	3758	4334	4374	4308	3549	3341	3481	4355	4717	4654	3826	3644
70	1239	1404	2202	3271	3399	2454	2232	2541	3555	3875	3252	2145	1888	2060	3184	3720	3515	2376	2040
75	336	393	639	1222	1389	957	839	1057	1763	1942	1245	767	670	727	1227	1735	1649	916	745
80	72.2	81.8	116	237	320	270	249	305	471	441	244	163	144	155	246	361	424	262	228
85	15.0	17.0	18.6	23.6	38.8	46.0	45.1	60.4	76.1	42.4	31.2	30.6	29.7	28.6	31.7	30.6	63.7	47.4	38.5
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:2021-11-10

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:219.4V I:0.5433A P:116.7W PF:0.9787 Freq:60.01Hz Lamp Flux:14211.9x1 lm		
NAME: AOK IP	TYPE:LED STREET LIGHT	WEIGHT:7.5kg
SPEC.:AOK-120WiP-NVF-L3-00-3070-T501-P	DIM.: Φ460*80mm	SERIAL No.:
MFR.: AOK	SUR.:Φ409-297mm	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	2211	2211	2211	2211	2211														
5	2222	2222	2222	2221	2221														
10	2244	2243	2242	2240	2239														
15	2276	2273	2269	2267	2267														
20	2316	2307	2299	2297	2301														
25	2378	2354	2335	2337	2348														
30	2465	2423	2391	2393	2413														
35	2600	2522	2468	2471	2505														
40	2834	2702	2597	2614	2689														
45	3250	3028	2832	2904	3045														
50	3837	3575	3257	3395	3560														
55	4361	4272	3916	4004	4023														
60	4388	4760	4634	4532	4050														
65	3663	4491	4666	4158	3007														
70	2137	3108	3119	2361	1400														
75	782	1203	1116	674	386														
80	216	289	192	108	79.8														
85	34.8	31.6	18.6	17.9	15.6														
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:2021-11-10

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: