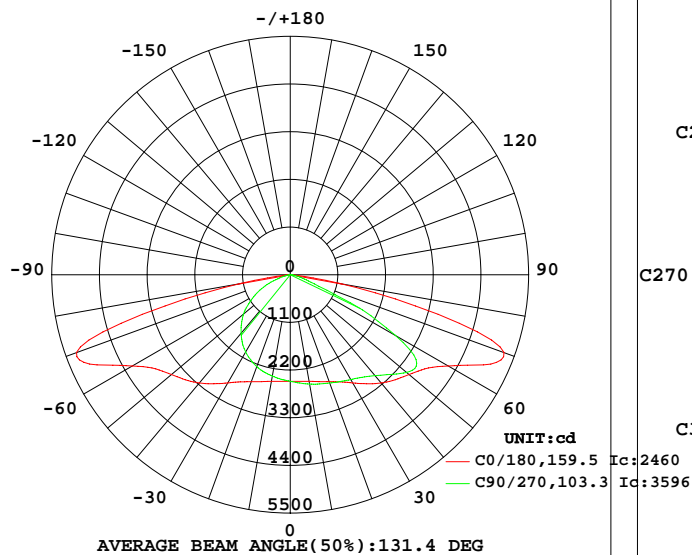
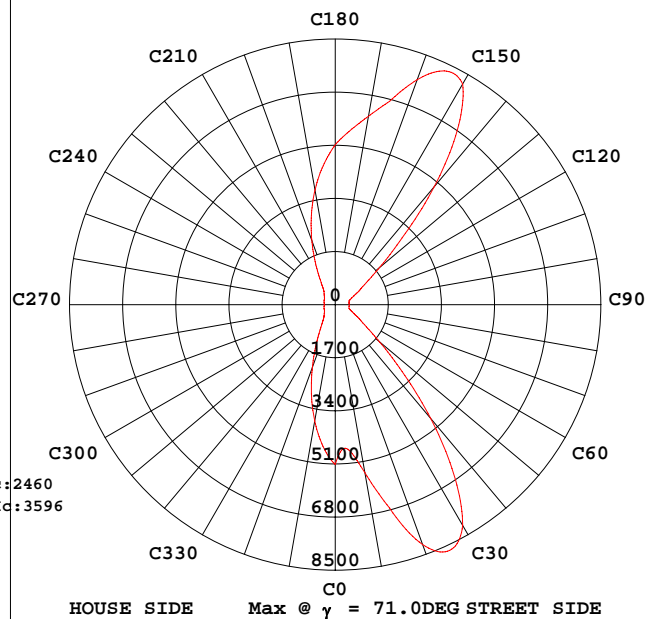


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.1V I:0.4600A P:99.32W PF:0.9855 Freq:50.18Hz Lamp Flux:13353.8x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-100WIL02-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: 134.45 lm/W			
MODEL	3030	I _{max} (cd)	8152	η street_up(%)	0.0
NOMINAL POWER(W)	100	LOR(%)	100.0	η street_down(%)	63.5
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	13354	η house_up(%)	0.0
NOMINAL FLUX(lm)	13353.8	MAXIMUM @(C,γ)	150,71.0	η house_down(%)	36.5
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	21.721

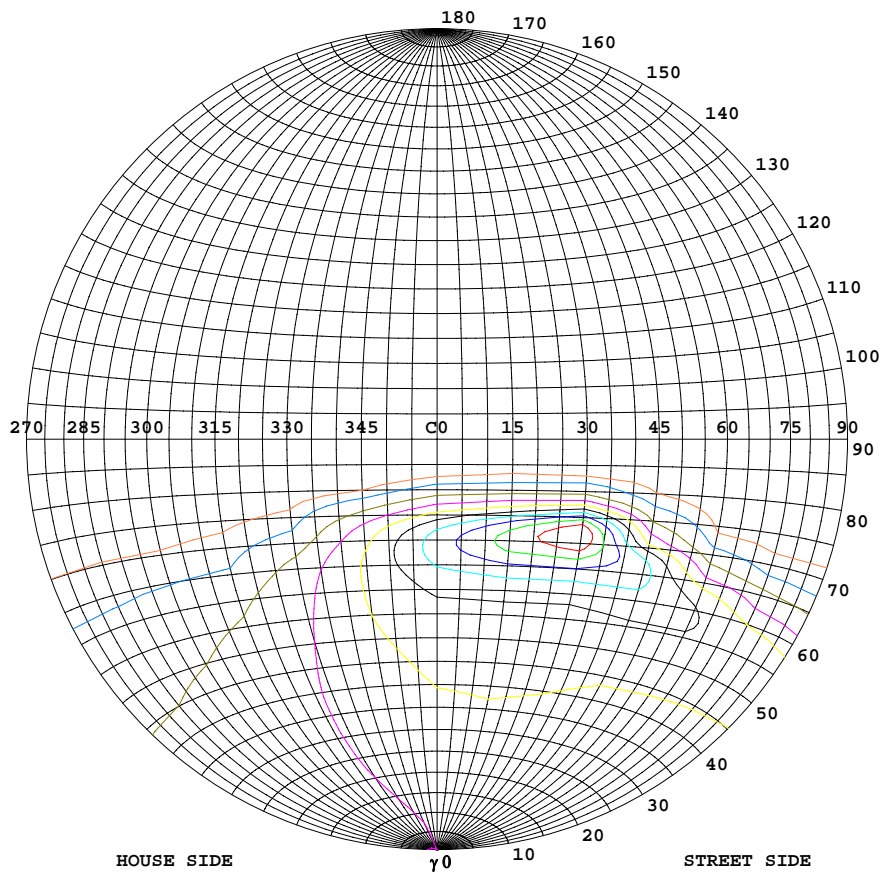
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:0.4600A P:99.32W PF:0.9855 Freq:50.18Hz Lamp Flux:13353.8x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-100WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



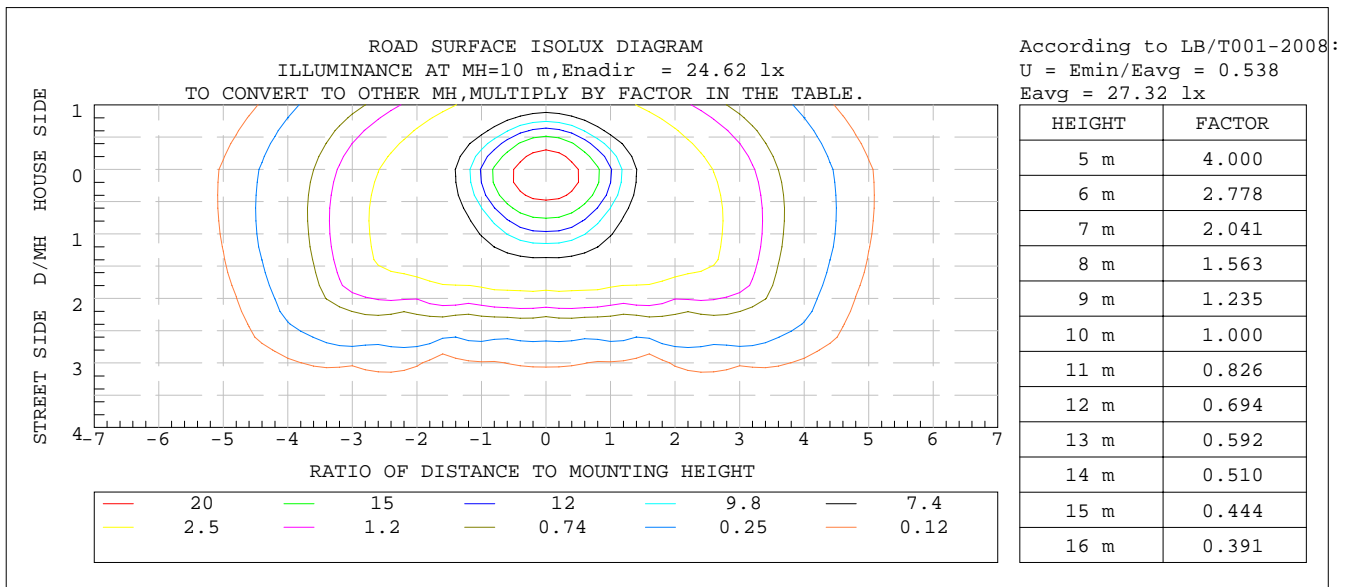
Classification:

IES:Type III - Medium
 CIE:Broad - Long
 IES:Full cut-off
 CIE:Semi-cut-off
 Max.At80:99.40cd/klm
 Max.At90:0cd/klm
 Max.80-90:99.40cd/klm
 NRB 5101:Limited[7.1%]

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	8152
90%	7337
80%	6522
70%	5707
60%	4891
50%	4076
40%	3261
30%	2446
20%	1630
10%	815
5%	408

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:0.4600A P:99.32W PF:0.9855 Freq:50.18Hz Lamp Flux:13353.8x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-100WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

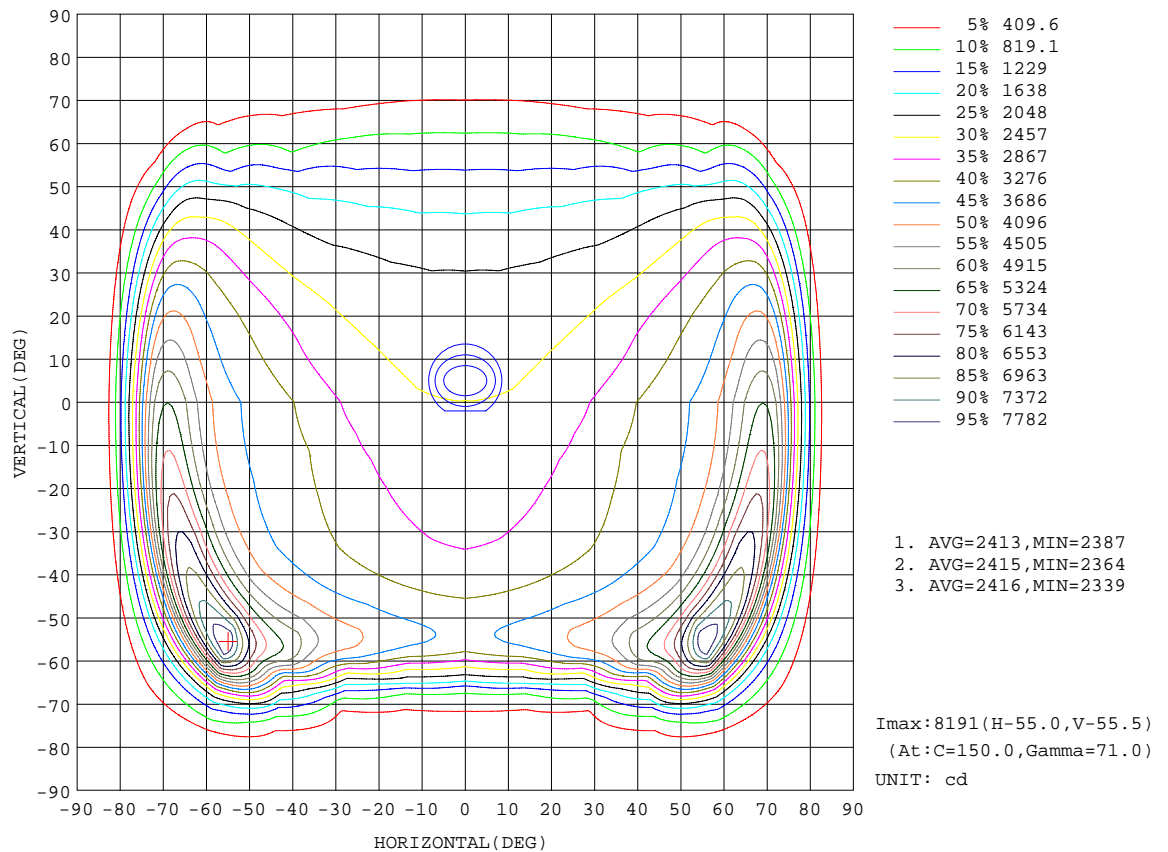
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
10	2498	2555	2562	2555	2498	2412	2375	2412	0- 10	236.0	236.0	1.77,1.77
20	2626	2714	2659	2714	2626	2379	2258	2379	10- 20	712.6	948.7	7.1,7.1
30	2882	2935	2793	2935	2882	2323	2059	2323	20- 30	1200	2149	16.1,16.1
40	3260	3171	3039	3171	3260	2200	1766	2200	30- 40	1694	3843	28.8,28.8
50	3581	3544	3506	3544	3581	1937	1407	1937	40- 50	2183	6026	45.1,45.1
60	4210	4556	2797	4556	4210	1451	935.6	1451	50- 60	2651	8677	65,65
70	5244	3632	511.4	3632	5244	563.0	413.5	563.0	60- 70	2861	11538	86.4,86.4
80	1142	420.2	120.8	420.2	1142	96.38	49.87	96.38	70- 80	1694	13232	99.1,99.1
90	0	0	0	0	0	0	0	0	80- 90	121.9	13354	100,100
100	0	0	0	0	0	0	0	0	90-100	0	13354	100,100
110	0	0	0	0	0	0	0	0	100-110	0	13354	100,100
120	0	0	0	0	0	0	0	0	110-120	0	13354	100,100
130	0	0	0	0	0	0	0	0	120-130	0	13354	100,100
140	0	0	0	0	0	0	0	0	130-140	0	13354	100,100
150	0	0	0	0	0	0	0	0	140-150	0	13354	100,100
160	0	0	0	0	0	0	0	0	150-160	0	13354	100,100
170	0	0	0	0	0	0	0	0	160-170	0	13354	100,100
180	0	0	0	0	0	0	0	0	170-180	0	13354	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
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

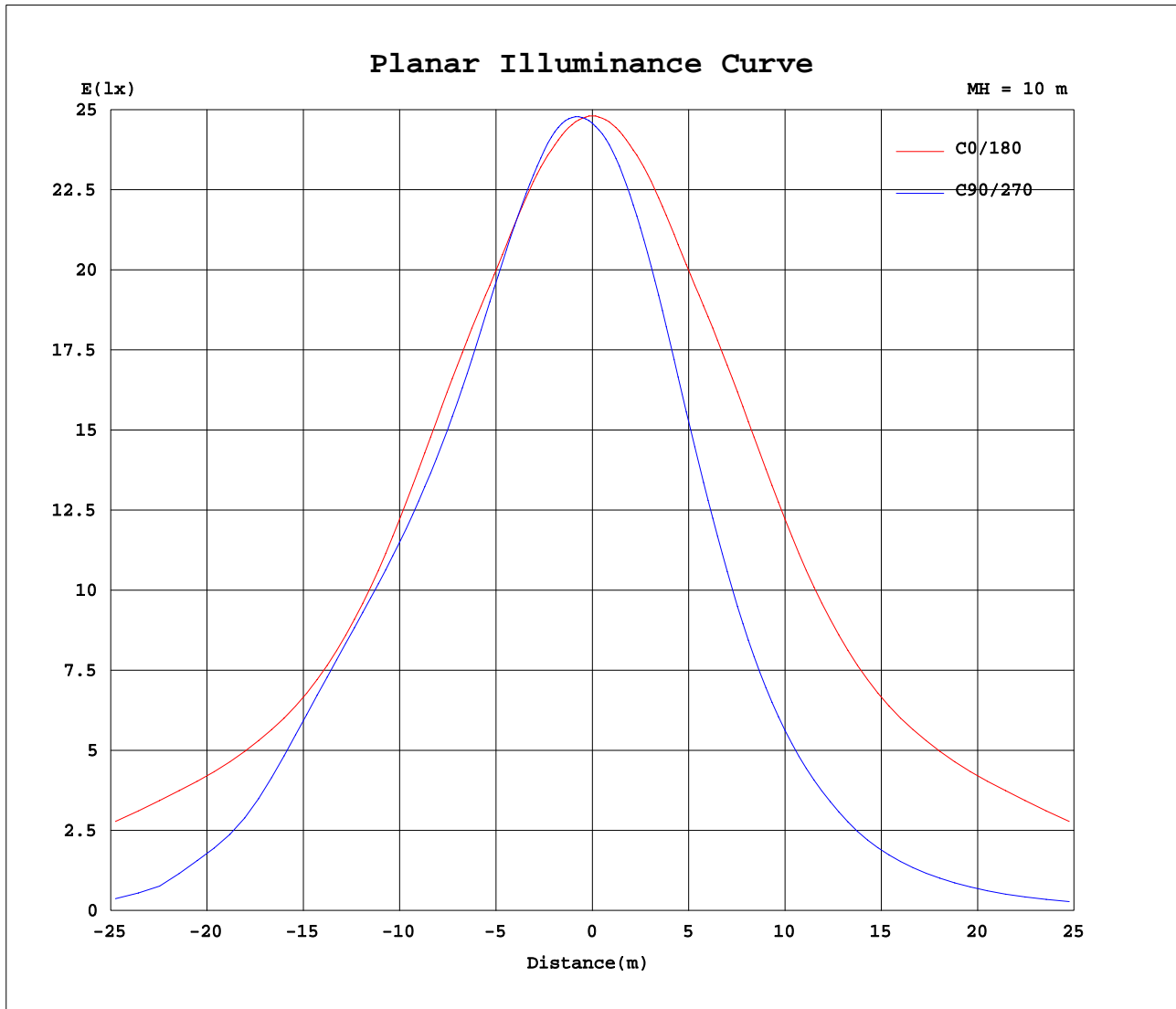
Test:U:219.1V I:0.4600A P:99.32W PF:0.9855 Freq:50.18Hz Lamp Flux:13353.8x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-100WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



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



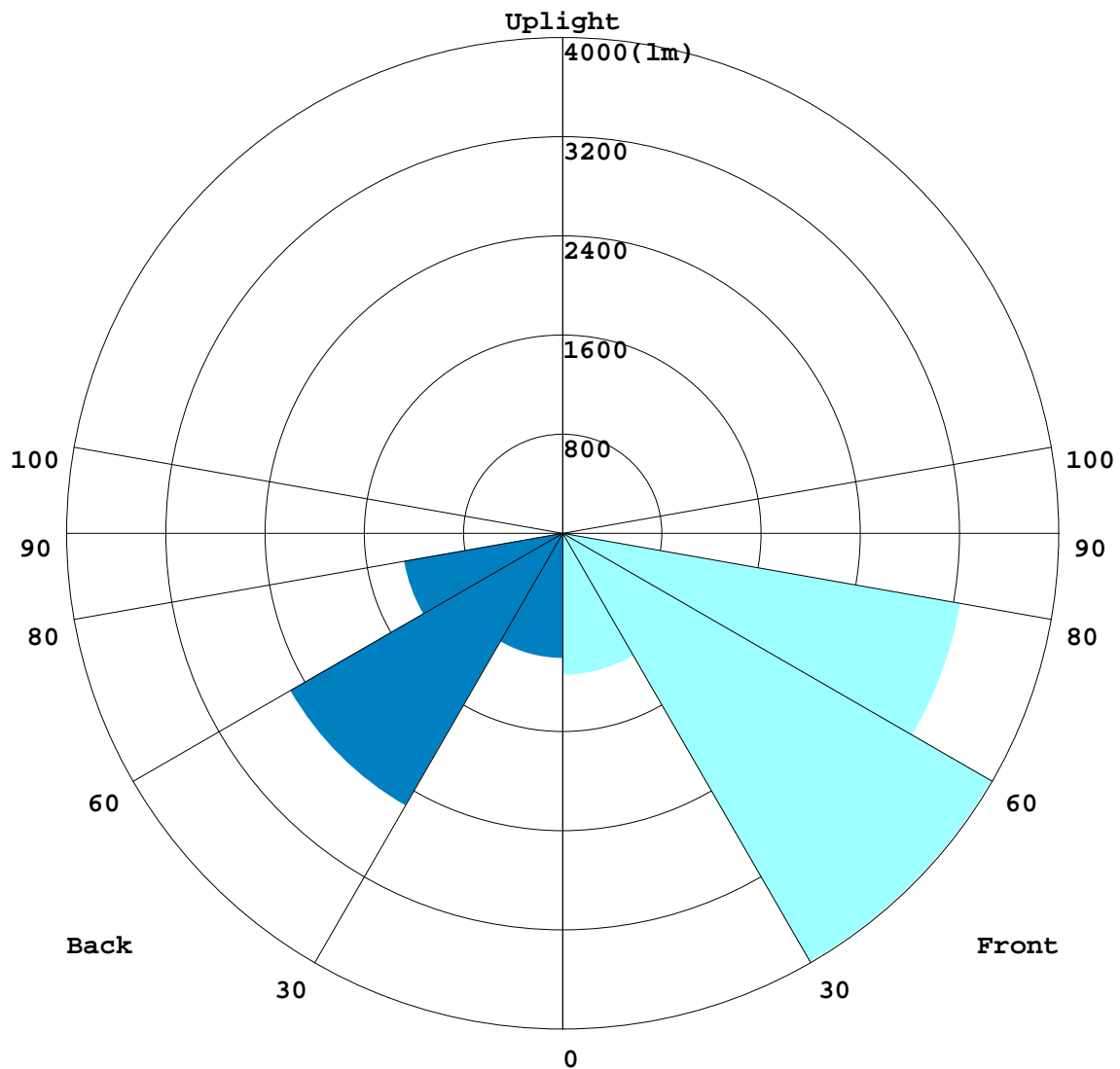
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-12-26

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:0.4600A P:99.32W PF:0.9855 Freq:50.18Hz Lamp Flux:13353.8x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-100WIL02-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:0.4600A P:99.32W PF:0.9855 Freq:50.18Hz Lamp Flux:13353.8x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-100WIL02-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)	1142	8.6
FM - Front-Medium(30-60)	3991.7	29.9
FH - Front-High(60-80)	3256.5	24.4
FVH - Front-Very High(80-90)	92.762	0.7
Total Forward Light	8482.9	63.5

BL - Back-Low(0-30)	1006.8	7.5
BM - Back-Medium(30-60)	2536.8	19.0
BH - Back-High(60-80)	1298.2	9.7
BVH - Back-Very High(80-90)	29.109	0.2
Total Back Light	4870.9	36.5

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
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4870.9	0	4870.9
Street Side	8482.9	0	8482.9

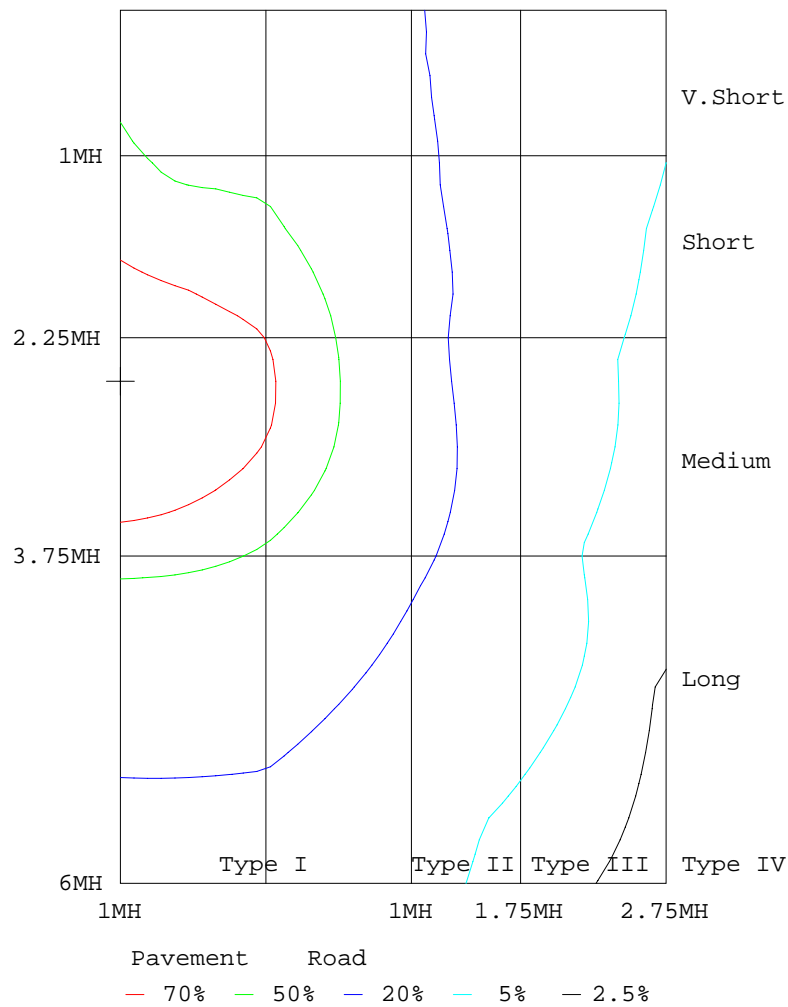
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-12-26

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:0.4600A P:99.32W PF:0.9855 Freq:50.18Hz Lamp Flux:13353.8x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-100WIL02-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:0.4600A P:99.32W PF:0.9855 Freq:50.18Hz Lamp Flux:13353.8x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-100WIL02-NV-L3-00-3070-T301-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	2460	2460	2460	2460	2460	2460	2460	2460	2460	2460	2460	2460	2460	2460	2460	2460	2460	2460	2460
5	2470	2480	2492	2500	2506	2508	2508	2508	2506	2500	2492	2480	2470	2456	2444	2434	2426	2422	2420
10	2498	2522	2544	2555	2561	2563	2562	2563	2561	2555	2544	2522	2498	2470	2440	2412	2391	2378	2375
15	2553	2588	2611	2622	2622	2618	2608	2618	2622	2622	2611	2588	2553	2502	2443	2393	2353	2331	2325
20	2626	2681	2712	2714	2697	2678	2659	2678	2697	2714	2712	2681	2626	2546	2457	2379	2314	2270	2258
25	2727	2809	2841	2823	2782	2746	2720	2746	2782	2823	2841	2809	2727	2603	2474	2358	2257	2187	2166
30	2882	2981	2985	2935	2876	2823	2793	2823	2876	2935	2985	2981	2882	2676	2489	2323	2179	2085	2059
35	3070	3164	3126	3049	2981	2924	2889	2924	2981	3049	3126	3164	3070	2774	2505	2270	2081	1961	1927
40	3260	3333	3261	3171	3119	3079	3039	3079	3119	3171	3261	3333	3260	2910	2513	2200	1963	1805	1766
45	3426	3484	3397	3316	3318	3298	3254	3298	3318	3316	3397	3484	3426	3064	2497	2093	1806	1638	1591
50	3581	3613	3544	3544	3615	3582	3506	3582	3615	3544	3544	3613	3581	3193	2461	1937	1621	1448	1407
55	3789	3829	3790	3944	3995	3776	3564	3776	3995	3944	3790	3829	3789	3286	2382	1733	1393	1212	1169
60	4210	4351	4330	4556	4125	3249	2797	3249	4125	4556	4330	4351	4210	3378	2237	1451	1112	970	936
65	4920	5543	5653	5184	2845	1939	1535	1939	2845	5184	5653	5543	4920	3404	1934	936	791	715	682
70	5244	6799	7927	3632	1149	544	511	544	1149	3632	7927	6799	5244	3085	1180	563	442	441	414
75	3534	4731	6076	1578	328	282	263	282	328	1578	6076	4731	3534	1931	546	295	226	185	181
80	1142	1318	1327	420	138	122	121	122	138	420	1327	1318	1142	405	136	96.4	78.3	50.8	49.9
85	129	127	127	65.7	32.7	32.2	30.6	32.2	32.7	65.7	127	127	129	41.8	25.0	12.6	5.37	4.39	1.49
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:0.4600A P:99.32W PF:0.9855 Freq:50.18Hz Lamp Flux:13353.8x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-100WIL02-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	2460	2460	2460	2460	2460														
5	2422	2426	2434	2444	2456														
10	2378	2391	2412	2440	2470														
15	2331	2353	2393	2443	2502														
20	2270	2314	2379	2457	2546														
25	2187	2257	2358	2474	2603														
30	2085	2179	2323	2489	2676														
35	1961	2081	2270	2505	2774														
40	1805	1963	2200	2513	2910														
45	1638	1806	2093	2497	3064														
50	1448	1621	1937	2461	3193														
55	1212	1393	1733	2382	3286														
60	970	1112	1451	2237	3378														
65	715	791	936	1934	3404														
70	441	442	563	1180	3085														
75	185	226	295	546	1931														
80	50.8	78.3	96.4	136	405														
85	4.39	5.37	12.6	25.0	41.8														
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: