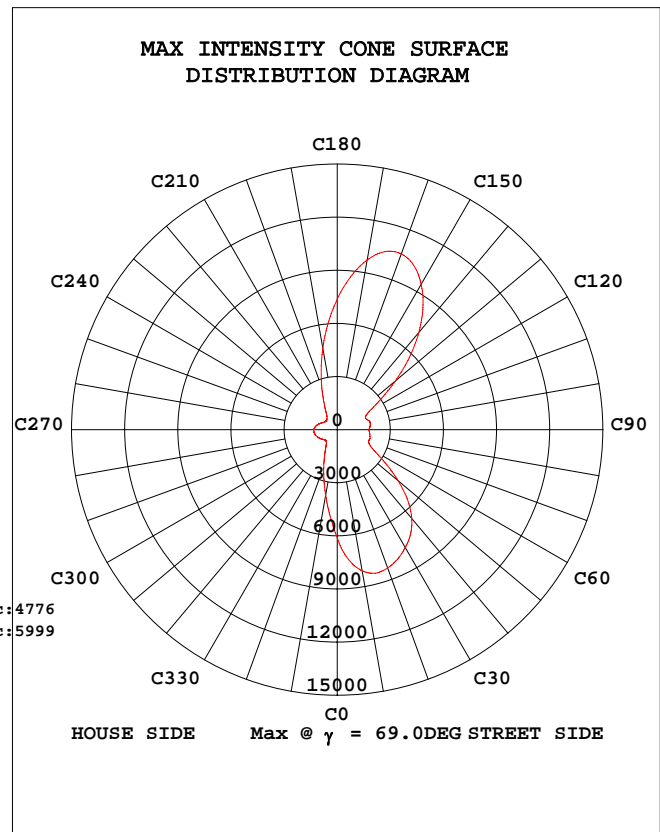
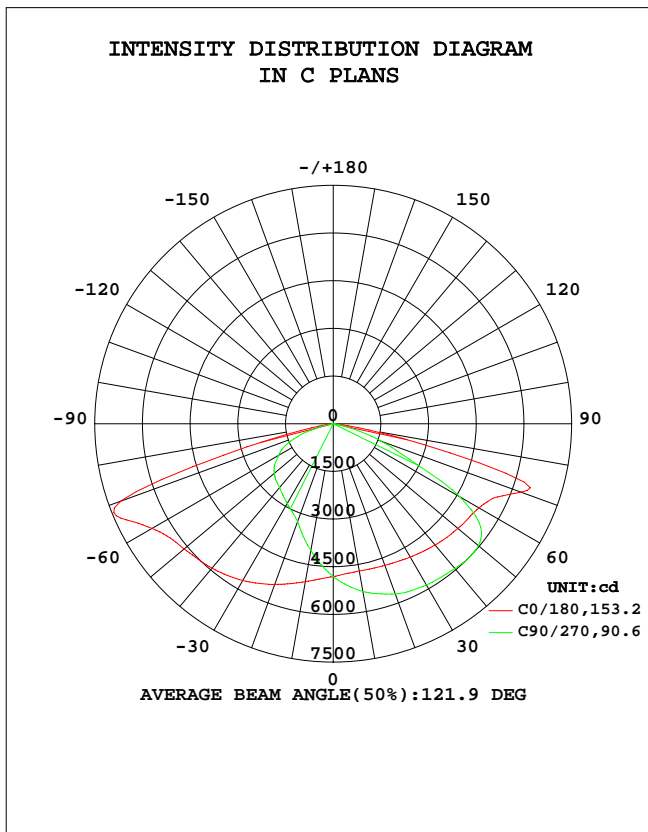


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.6524A P:139.2W PF:0.9727 Freq:60.01Hz Lamp Flux:20684.4x1 lm		
NAME: AOK iL02	TYPE:LED STREET LIGHT	WEIGHT:5.2KG
SPEC.:AOK-140WiL02-NVS-L3-00-3070-T311-P	DIM.: 680*280*140mm	SERIAL No.:
MFR.: AOK	SUR.:290*260mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 148.61 lm/W			
MODEL	3030	I _{max} (cd)	10414	η street_up(%)	0.0
NOMINAL POWER(W)	140	LOR(%)	100.0	η street_down(%)	65.4
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	20684	η house_up(%)	0.0
NOMINAL FLUX(lm)	20684.4	MAXIMUM @(C,γ)	165,69.0	η house_down(%)	34.6
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	21.696



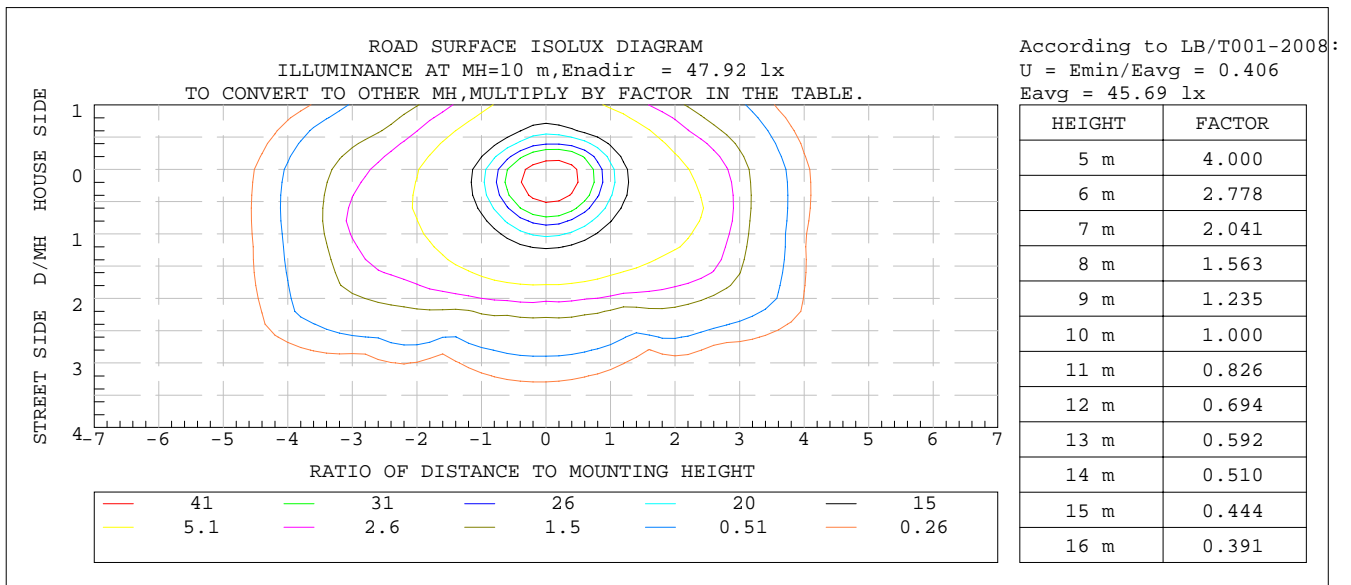
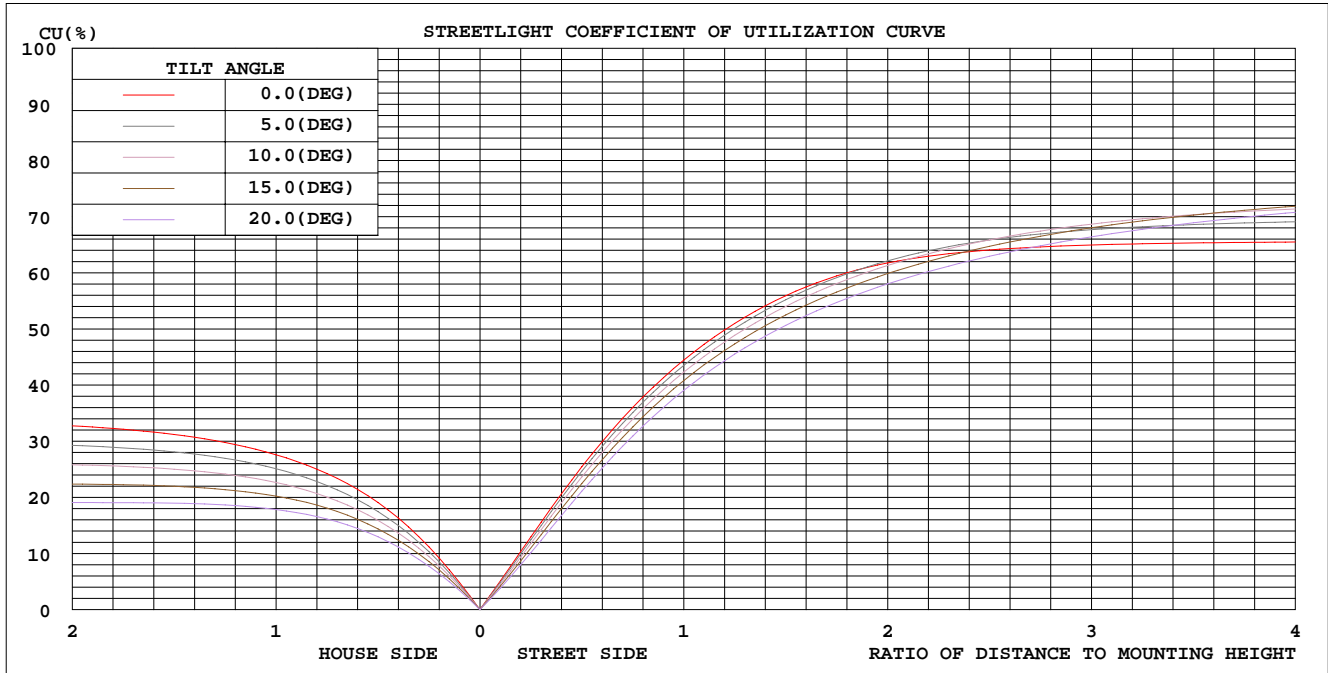
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:


```

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
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: 2023-10-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.3V I:0.6524A P:139.2W PF:0.9727 Freq:60.01Hz Lamp Flux:20684.4x1 lm		
NAME: AOK iL02	TYPE:LED STREET LIGHT	WEIGHT:5.2KG
SPEC.:AOK-140WiL02-NVS-L3-00-3070-T311-P	DIM.: 680*280*140mm	SERIAL No.:
MFR.: AOK	SUR.:290*260mm	Shielding Angle:

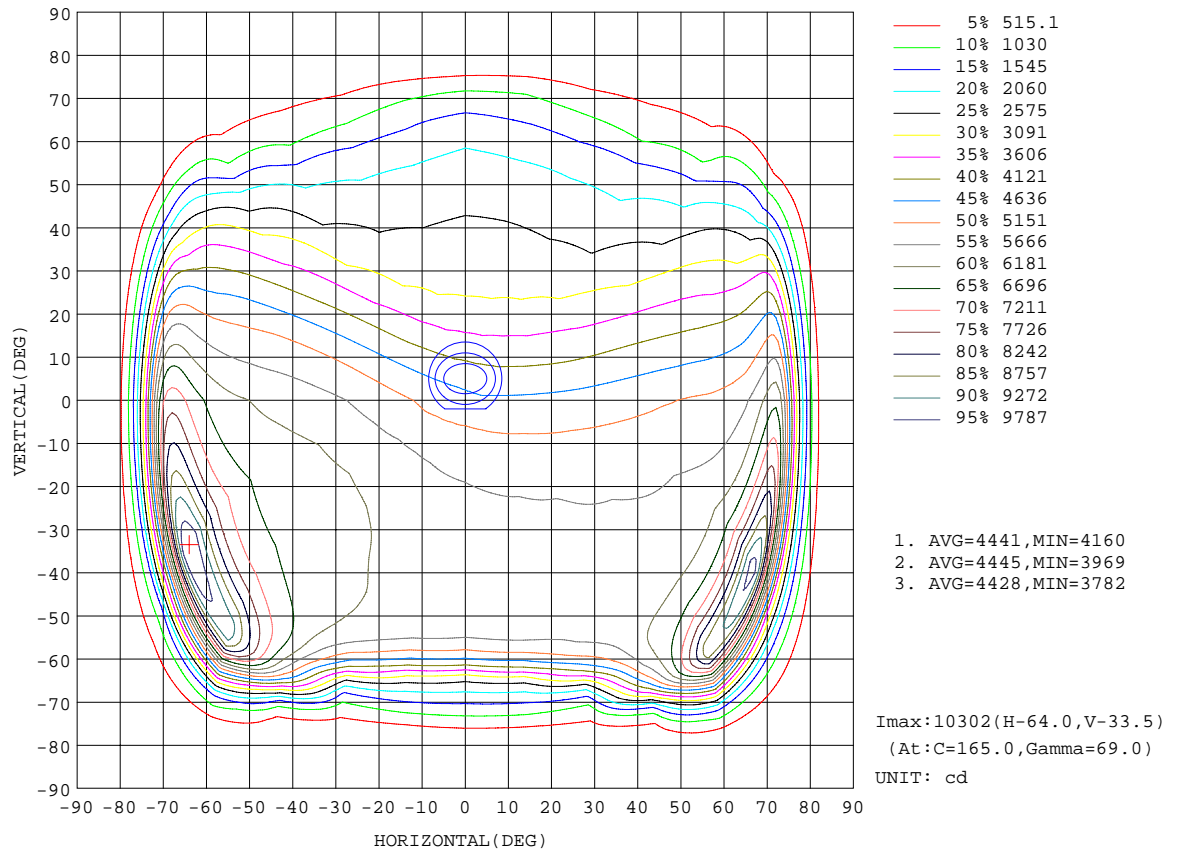
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	470.7	511.7	535.6	537.4	504.5	443.3	405.4	419.4	0- 10	457.4	457.4	2.21,2.21
20	474.2	540.3	569.6	583.3	537.9	404.8	328.1	366.1	10- 20	1352	1809	8.75,8.75
30	484.3	563.5	585.7	616.1	569.2	361.3	289.8	318.4	20- 30	2196	4005	19.4,19.4
40	498.2	574.6	594.5	631.6	593.2	311.2	263.2	273.5	30- 40	2960	6965	33.7,33.7
50	512.0	581.6	596.4	641.8	612.6	259.6	242.9	233.8	40- 50	3600	10565	51.1,51.1
60	529.7	601.5	458.7	661.2	658.5	193.6	198.6	184.9	50- 60	4029	14594	70.6,70.6
70	629.1	539.3	160.6	542.0	710.8	76.98	120.7	81.79	60- 70	3929	18523	89.6,89.6
80	114.0	38.07	17.58	26.01	45.68	12.15	6.956	16.12	70- 80	2052	20576	99.5,99.5
90	0	0	0	0	0	0	0	0	80- 90	108.9	20684	100,100
100	0	0	0	0	0	0	0	0	90-100	0	20684	100,100
110	0	0	0	0	0	0	0	0	100-110	0	20684	100,100
120	0	0	0	0	0	0	0	0	110-120	0	20684	100,100
130	0	0	0	0	0	0	0	0	120-130	0	20684	100,100
140	0	0	0	0	0	0	0	0	130-140	0	20684	100,100
150	0	0	0	0	0	0	0	0	140-150	0	20684	100,100
160	0	0	0	0	0	0	0	0	150-160	0	20684	100,100
170	0	0	0	0	0	0	0	0	160-170	0	20684	100,100
180	0	0	0	0	0	0	0	0	170-180	0	20684	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-10-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

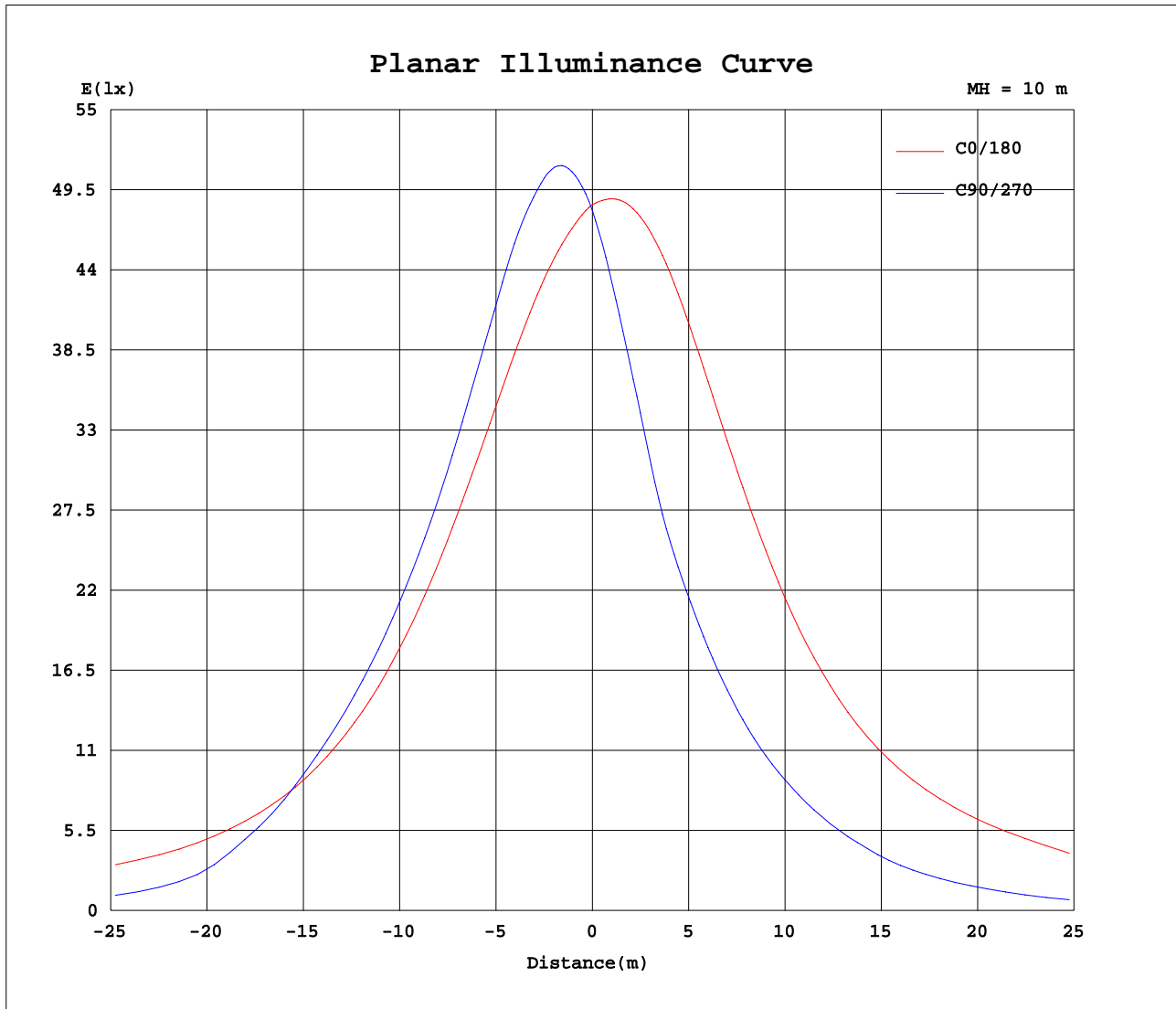
Test:U:219.3V I:0.6524A P:139.2W PF:0.9727 Freq:60.01Hz Lamp Flux:20684.4x1 lm		
NAME: AOK iL02	TYPE:LED STREET LIGHT	WEIGHT:5.2KG
SPEC.:AOK-140WiL02-NVS-L3-00-3070-T311-P	DIM.: 680*280*140mm	SERIAL No.:
MFR.: AOK	SUR.:290*260mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

Planar Illuminance Curve



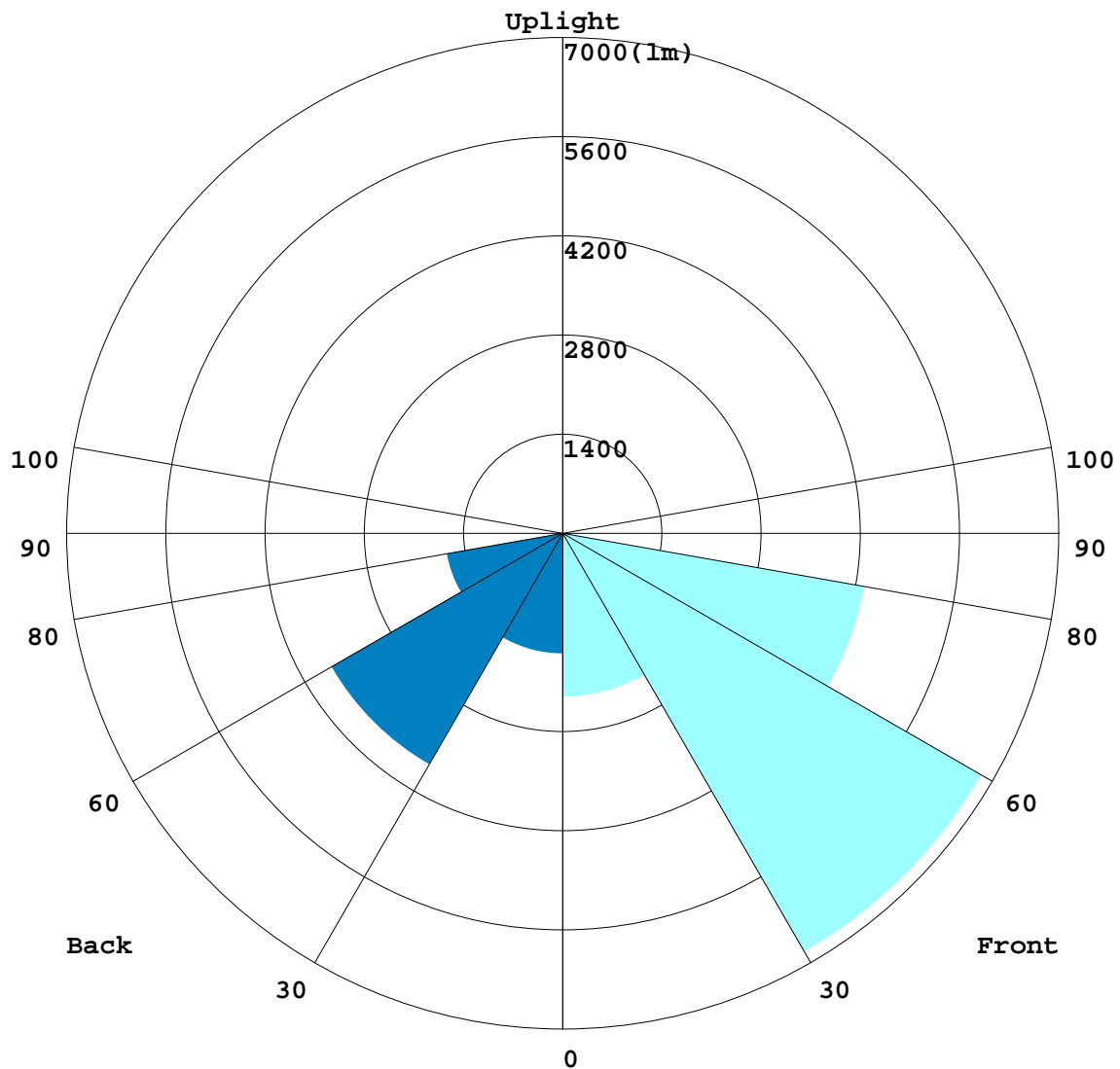
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-10-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

LCS REPORT

Test:U:219.3V I:0.6524A P:139.2W PF:0.9727 Freq:60.01Hz Lamp Flux:20684.4x1 lm		
NAME: AOK iL02	TYPE:LED STREET LIGHT	WEIGHT:5.2KG
SPEC.:AOK-140WiL02-NVS-L3-00-3070-T311-P	DIM.: 680*280*140mm	SERIAL No.:
MFR.: AOK	SUR.:290*260mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

BUG REPORT

Test:U:219.3V I:0.6524A P:139.2W PF:0.9727 Freq:60.01Hz Lamp Flux:20684.4x1 lm		
NAME: AOK iL02	TYPE:LED STREET LIGHT	WEIGHT:5.2KG
SPEC.:AOK-140WiL02-NVS-L3-00-3070-T311-P	DIM.: 680*280*140mm	SERIAL No.:
MFR.: AOK	SUR.:290*260mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2307.2	11.2
FM - Front-Medium(30-60)	6821.9	33.0
FH - Front-High(60-80)	4321.6	20.9
FVH - Front-Very High(80-90)	84.46	0.4
Total Forward Light	13535	65.4

BL - Back-Low(0-30)	1698	8.2
BM - Back-Medium(30-60)	3767.3	18.2
BH - Back-High(60-80)	1659.5	8.0
BVH - Back-Very High(80-90)	24.423	0.1
Total Back Light	7149.2	34.6

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	7149.2	0	7149.2
Street Side	13535	0	13535

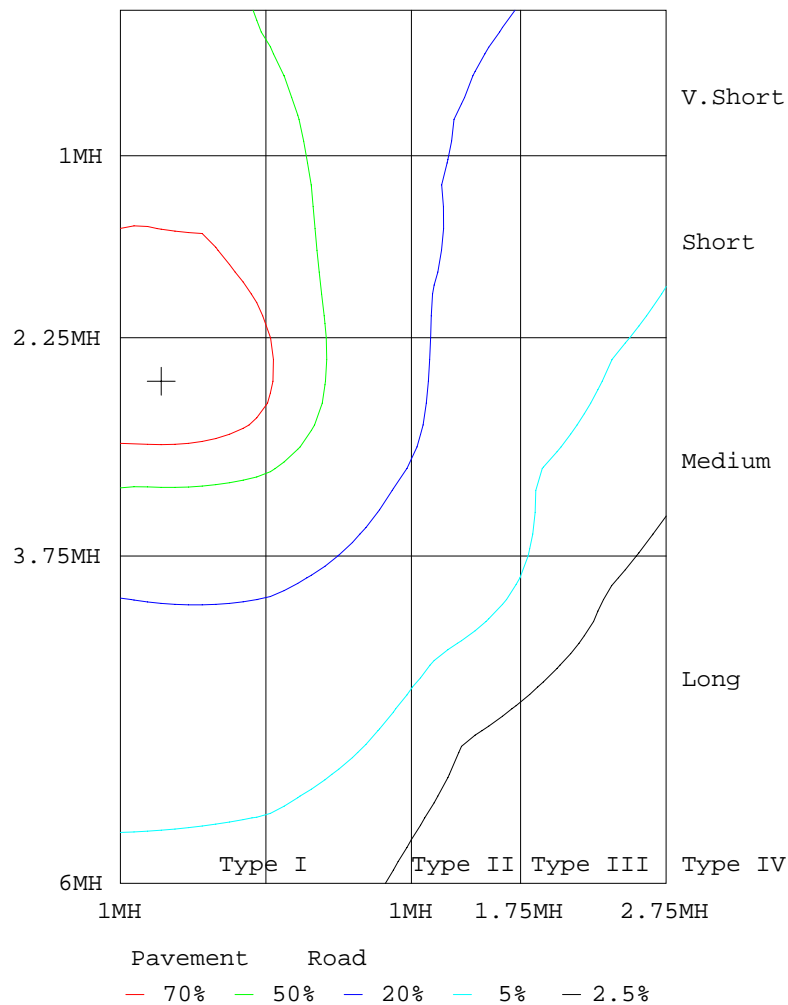
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-10-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.3V I:0.6524A P:139.2W PF:0.9727 Freq:60.01Hz Lamp Flux:20684.4x1 lm		
NAME: AOK iL02	TYPE:LED STREET LIGHT	WEIGHT:5.2KG
SPEC.:AOK-140WiL02-NVS-L3-00-3070-T311-P	DIM.: 680*280*140mm	SERIAL No.:
MFR.: AOK	SUR.:290*260mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.3V I:0.6524A P:139.2W PF:0.9727 Freq:60.01Hz Lamp Flux:20684.4x1 lm		
NAME: AOK iL02	TYPE:LED STREET LIGHT	WEIGHT:5.2KG
SPEC.:AOK-140WiL02-NVS-L3-00-3070-T311-P	DIM.: 680*280*140mm	SERIAL No.:
MFR.: AOK	SUR.:290*260mm	Shielding Angle:

Table--1

UNIT: ×10cd

C(°) \ γ (°)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481
5	473	481	489	496	502	508	511	512	511	509	505	499	490	482	472	462	454	448	444
10	471	486	499	512	521	530	536	539	539	537	531	521	504	487	465	443	425	412	405
15	471	493	512	527	538	547	554	559	563	563	557	543	521	493	459	424	395	375	366
20	474	501	524	540	551	561	570	576	581	583	579	566	538	501	453	405	364	338	328
25	478	511	535	552	564	573	580	589	597	601	599	587	554	508	447	384	335	310	306
30	484	521	545	564	572	579	586	595	605	616	617	606	569	515	439	361	308	292	290
35	491	531	554	570	579	585	590	600	612	625	632	622	582	519	427	336	286	275	276
40	498	541	563	575	584	589	594	603	614	632	643	636	593	519	411	311	267	260	263
45	506	551	570	578	586	596	600	606	617	635	652	647	602	515	390	286	250	247	254
50	512	561	578	582	590	597	596	603	618	642	663	664	613	506	364	260	229	230	243
55	519	577	589	591	587	581	566	580	609	652	682	695	627	492	329	229	205	208	225
60	530	603	608	601	563	499	459	484	564	661	729	758	659	465	285	194	172	176	199
65	555	674	665	604	448	301	264	300	414	654	835	917	717	424	221	126	127	148	169
70	629	902	806	539	202	170	161	166	174	542	957	1006	711	326	115	77.0	76.6	104	121
75	474	653	788	268	66.6	71.6	69.4	62.5	58.9	170	539	355	281	138	49.1	38.8	38.3	46.5	54.5
80	114	146	207	38.1	21.1	19.2	17.6	17.3	17.3	26.0	108	57.0	45.7	18.5	14.7	12.1	10.8	8.36	6.96
85	13.2	15.2	15.3	5.63	4.94	4.96	4.61	4.54	3.87	4.00	8.50	5.41	4.16	3.30	2.95	1.96	1.14	0.43	0.11
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:2023-10-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.3V I:0.6524A P:139.2W PF:0.9727 Freq:60.01Hz Lamp Flux:20684.4x1 lm		
NAME: AOK iL02	TYPE:LED STREET LIGHT	WEIGHT:5.2KG
SPEC.:AOK-140WiL02-NVS-L3-00-3070-T311-P	DIM.: 680*280*140mm	SERIAL No.:
MFR.: AOK	SUR.:290*260mm	Shielding Angle:

Table--2

UNIT: x10cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	481	481	481	481	481														
5	443	445	449	456	464														
10	404	409	419	434	452														
15	366	376	393	416	443														
20	330	343	366	398	436														
25	308	317	342	382	430														
30	291	296	318	366	426														
35	276	278	295	349	424														
40	264	262	274	331	419														
45	252	248	254	311	412														
50	238	232	234	289	402														
55	217	209	212	262	387														
60	185	177	185	231	365														
65	157	143	139	191	333														
70	117	93.1	81.8	118	278														
75	58.4	46.4	48.3	59.4	163														
80	9.72	14.9	16.1	22.2	32.7														
85	0.47	1.45	2.79	4.38	5.38														
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:2023-10-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks: