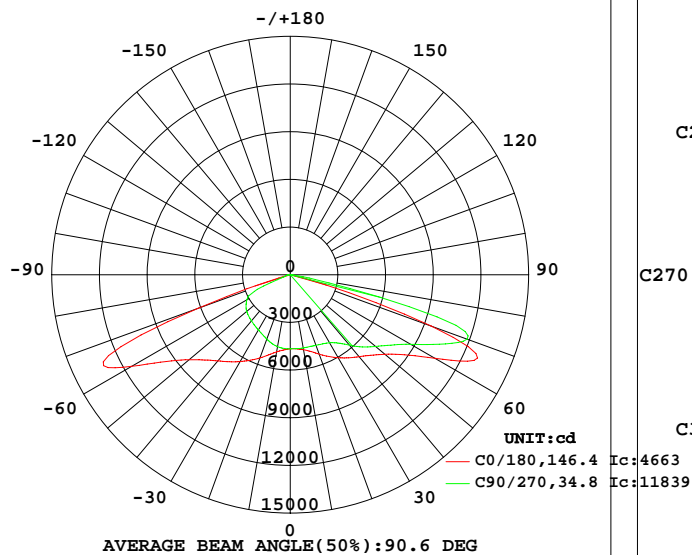
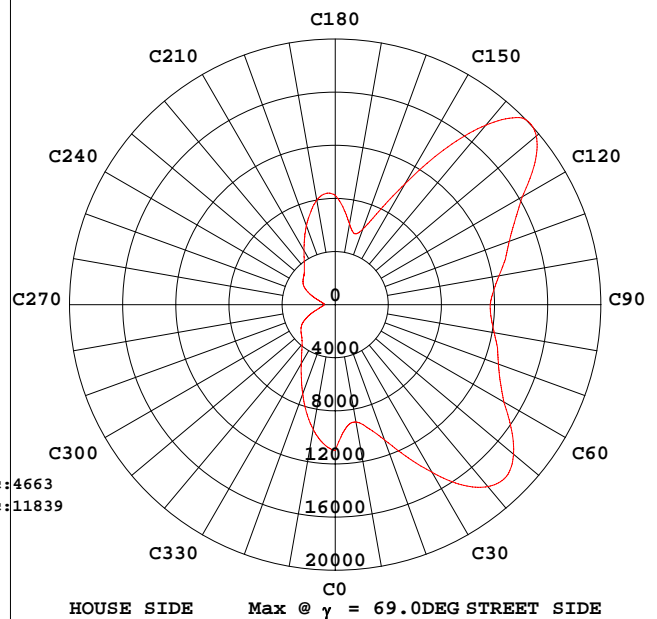


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:478.9V I:0.4452A P:198.9W PF:0.9330 Freq:60.01Hz Lamp Flux:32145.5x1 lm		
NAME: AOK PLA	TYPE:LED STREET LIGHT	WEIGHT:6.4KG
SPEC.:AOK-200WPLA-HVS-L2-00-5070-T401-P	DIM.: 675*300*65mm	SERIAL No.:
MFR.: AOK	SUR.:310*260mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 161.60 lm/W			
MODEL	2835	I _{max} (cd)	19901	η street_up(%)	0.0
NOMINAL POWER(W)	200	LOR(%)	100.0	η street_down(%)	63.5
RATED VOLTAGE(V)	480	TOTAL FLUX(lm)	32145	η house_up(%)	0.0
NOMINAL FLUX(lm)	32145.5	MAXIMUM @(C,γ)	135,69.0	η house_down(%)	36.5
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	480	η down(%)	100.0	SLI	18.701

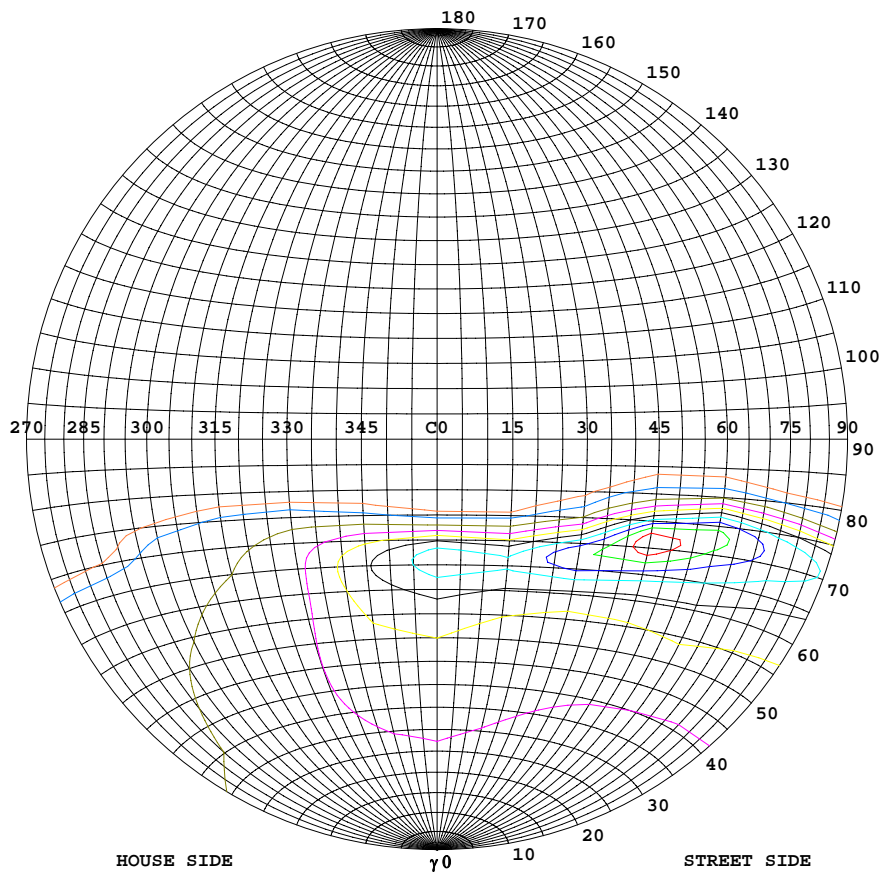
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-30

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:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:478.9V I:0.4452A P:198.9W PF:0.9330 Freq:60.01Hz Lamp Flux:32145.5x1 lm		
NAME: AOK PLA	TYPE:LED STREET LIGHT	WEIGHT:6.4KG
SPEC.:AOK-200WPLA-HVS-L2-00-5070-T401-P	DIM.: 675*300*65mm	SERIAL No.:
MFR.: AOK	SUR.:310*260mm	Shielding Angle:



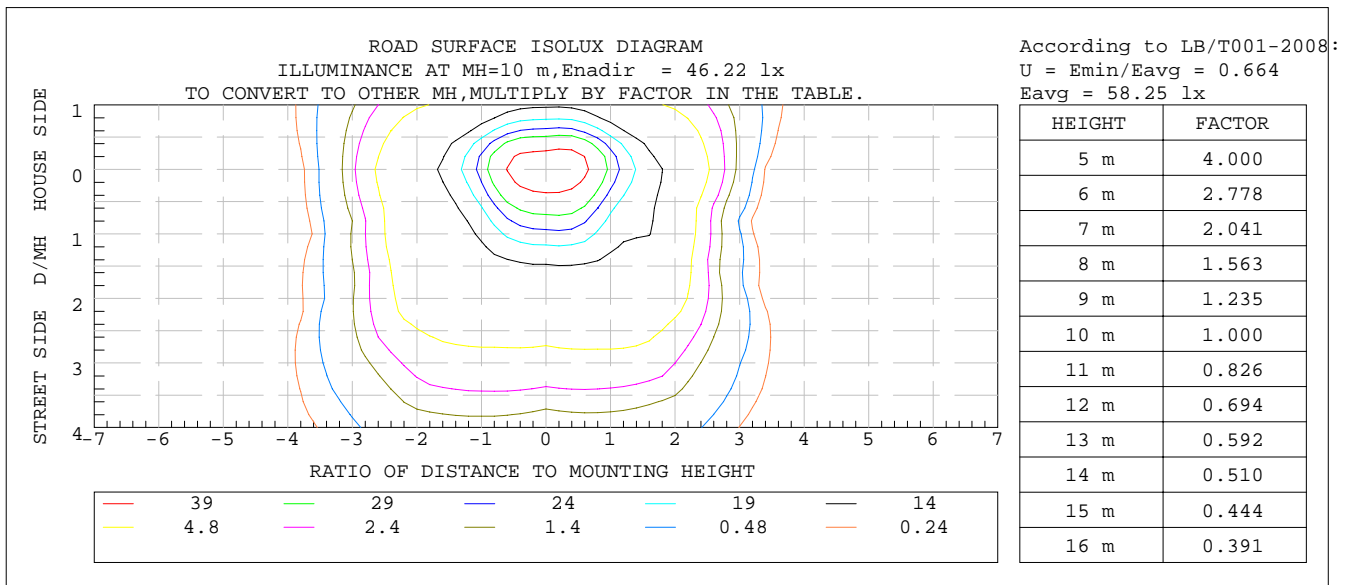
Classification:

IES:Type IV - Short
CIE:Broad - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:116.5cd/klm
Max.At90:0cd/klm
Max.80-90:116.5cd/klm
NRB 5101:Limited[9.3%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	19901
90%	17911
80%	15921
70%	13931
60%	11941
50%	9951
40%	7960
30%	5970
20%	3980
10%	1990
5%	995

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-30

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: 2022-12-30

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:478.9V I:0.4452A P:198.9W PF:0.9330 Freq:60.01Hz Lamp Flux:32145.5x1 lm		
NAME: AOK PLA	TYPE:LED STREET LIGHT	WEIGHT:6.4KG
SPEC.:AOK-200WPLA-HVS-L2-00-5070-T401-P	DIM.: 675*300*65mm	SERIAL No.:
MFR.: AOK	SUR.:310*260mm	Shielding Angle:

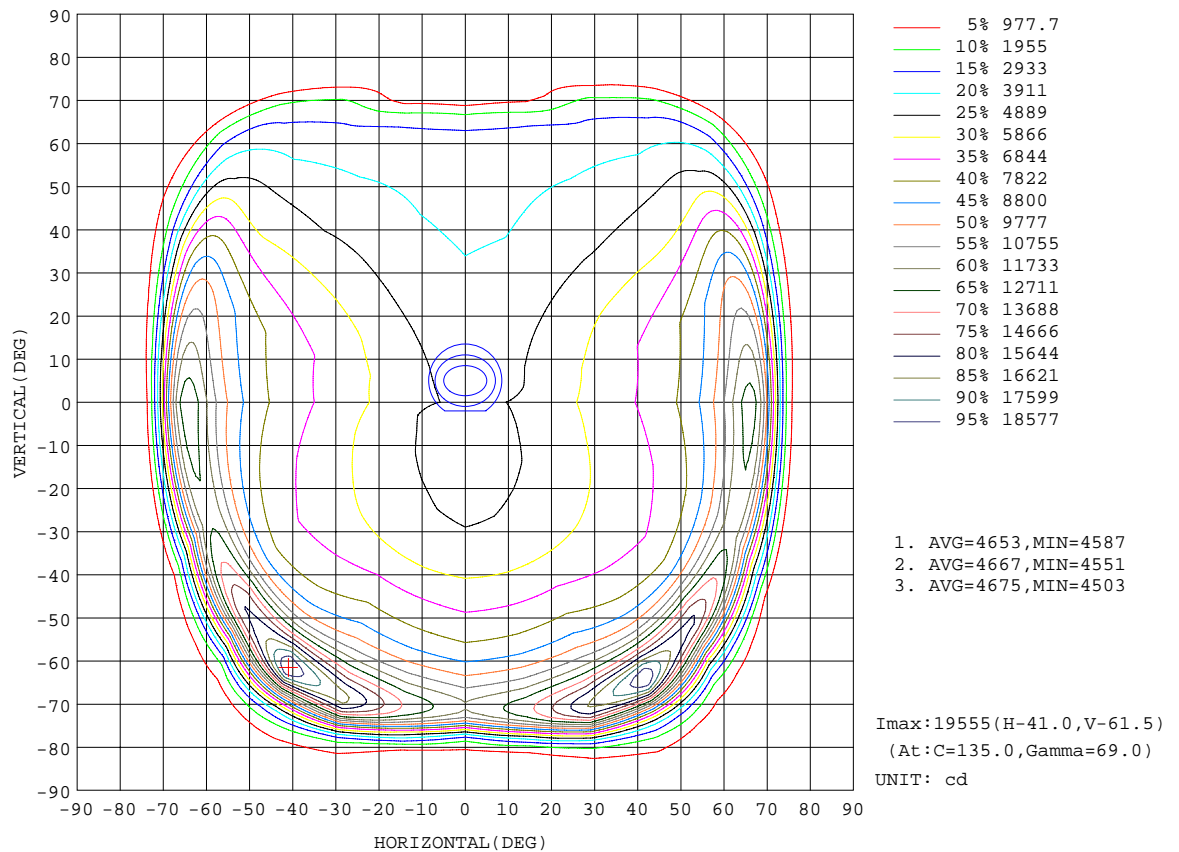
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	479.1	468.0	467.8	477.6	493.0	480.4	459.8	469.6	0- 10	449.4	449.4	1.4,1.4
20	531.4	488.4	472.8	508.6	557.0	505.0	431.1	487.1	10- 20	1379	1828	5.69,5.69
30	602.7	530.1	494.6	558.6	630.4	521.2	401.3	505.4	20- 30	2389	4218	13.1,13.1
40	673.1	601.0	577.7	643.9	707.7	514.0	379.8	503.3	30- 40	3489	7707	24,24
50	779.1	693.2	702.2	748.8	831.8	482.7	357.9	480.1	40- 50	4708	12415	38.6,38.6
60	1052	930.4	876.8	1087	1154	425.6	315.4	437.0	50- 60	6249	18664	58.1,58.1
70	943.4	1914	1184	1920	616.4	315.5	58.46	339.6	60- 70	8693	27357	85.1,85.1
80	20.43	297.4	120.6	146.7	17.46	22.75	19.51	29.90	70- 80	4527	31884	99.2,99.2
90	0	0	0	0	0	0	0	0	80- 90	261.1	32145	100,100
100	0	0	0	0	0	0	0	0	90-100	0	32145	100,100
110	0	0	0	0	0	0	0	0	100-110	0	32145	100,100
120	0	0	0	0	0	0	0	0	110-120	0	32145	100,100
130	0	0	0	0	0	0	0	0	120-130	0	32145	100,100
140	0	0	0	0	0	0	0	0	130-140	0	32145	100,100
150	0	0	0	0	0	0	0	0	140-150	0	32145	100,100
160	0	0	0	0	0	0	0	0	150-160	0	32145	100,100
170	0	0	0	0	0	0	0	0	160-170	0	32145	100,100
180	0	0	0	0	0	0	0	0	170-180	0	32145	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:2022-12-30

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

ISOCANDELA DIAGRAM

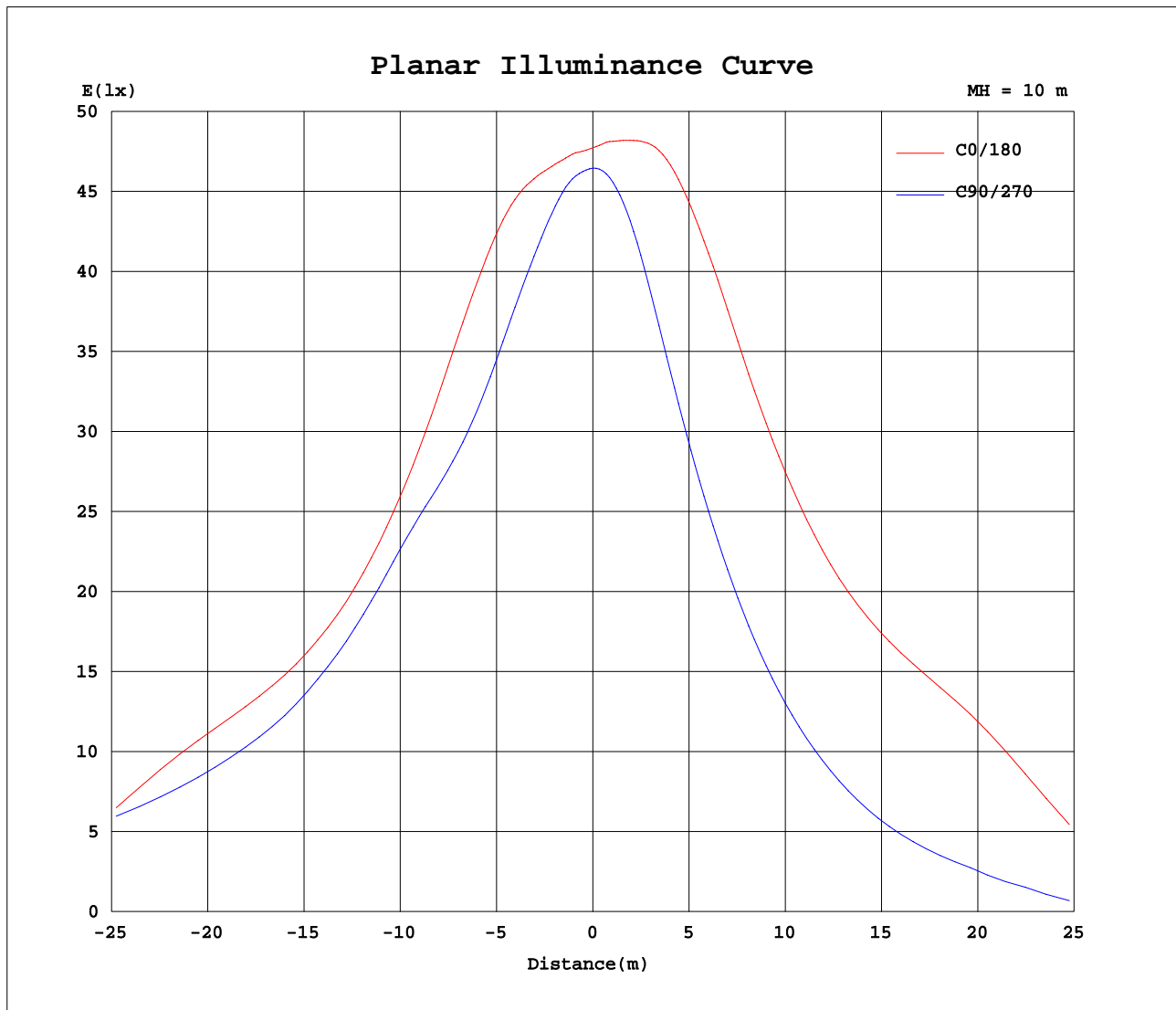
Test:U:478.9V I:0.4452A P:198.9W PF:0.9330 Freq:60.01Hz Lamp Flux:32145.5x1 lm		
NAME: AOK PLA	TYPE:LED STREET LIGHT	WEIGHT:6.4KG
SPEC.:AOK-200WPLA-HVS-L2-00-5070-T401-P	DIM.: 675*300*65mm	SERIAL No.:
MFR.: AOK	SUR.:310*260mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-30

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



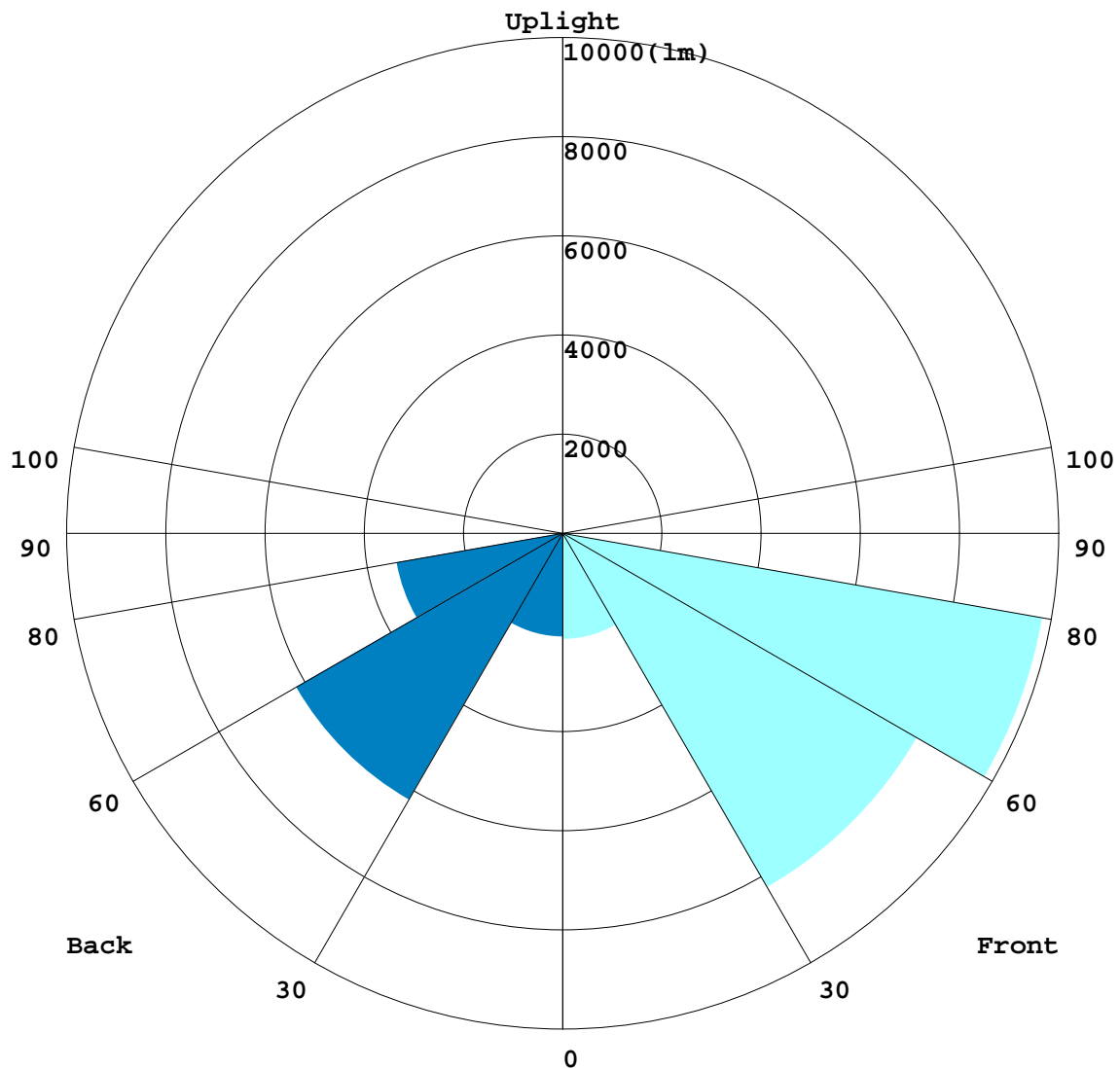
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-12-30

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:478.9V I:0.4452A P:198.9W PF:0.9330 Freq:60.01Hz Lamp Flux:32145.5x1 lm		
NAME: AOK PLA	TYPE:LED STREET LIGHT	WEIGHT:6.4KG
SPEC.:AOK-200WPLA-HVS-L2-00-5070-T401-P	DIM.: 675*300*65mm	SERIAL No.:
MFR.: AOK	SUR.:310*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:2022-12-30

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:478.9V I:0.4452A P:198.9W PF:0.9330 Freq:60.01Hz Lamp Flux:32145.5x1 lm		
NAME: AOK PLA	TYPE:LED STREET LIGHT	WEIGHT:6.4KG
SPEC.:AOK-200WPLA-HVS-L2-00-5070-T401-P	DIM.: 675*300*65mm	SERIAL No.:
MFR.: AOK	SUR.:310*260mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2134	6.6
FM - Front-Medium(30-60)	8244.2	25.6
FH - Front-High(60-80)	9820.7	30.6
FVH - Front-Very High(80-90)	206.71	0.6
Total Forward Light	20406	63.5

BL - Back-Low(0-30)	2083.6	6.5
BM - Back-Medium(30-60)	6202.7	19.3
BH - Back-High(60-80)	3399.3	10.6
BVH - Back-Very High(80-90)	54.367	0.2
Total Back Light	11740	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	B4-U0-G4
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	11740	0	11740
Street Side	20406	0	20406

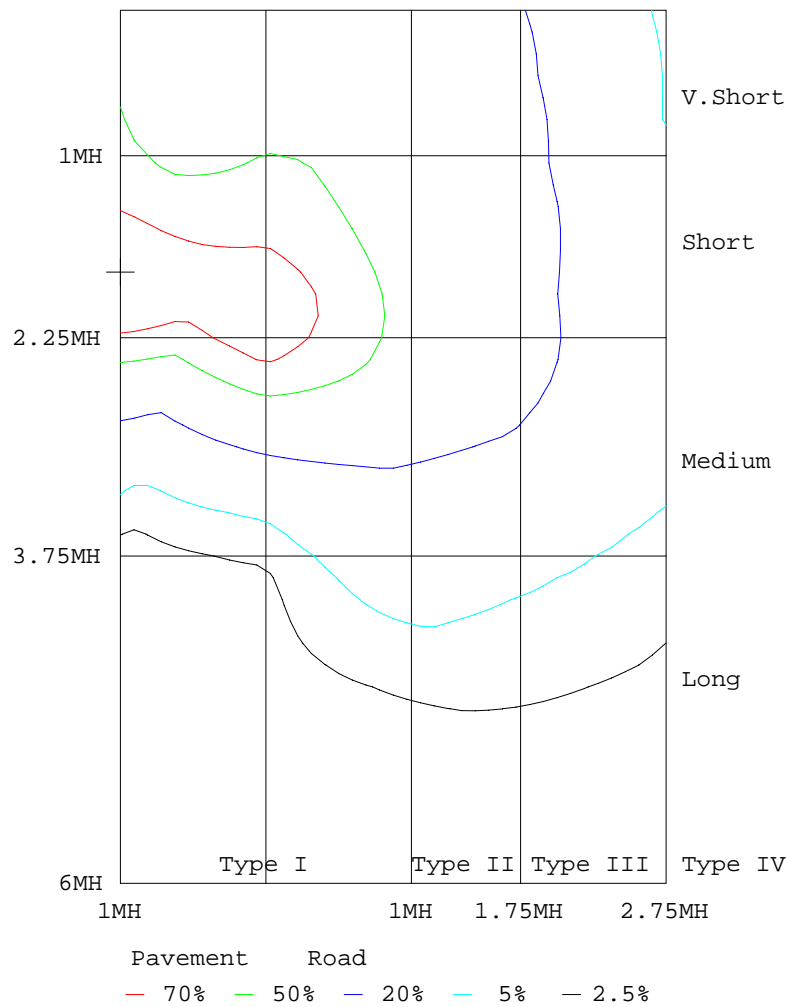
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-30

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:478.9V I:0.4452A P:198.9W PF:0.9330 Freq:60.01Hz Lamp Flux:32145.5x1 lm		
NAME: AOK PLA	TYPE:LED STREET LIGHT	WEIGHT:6.4KG
SPEC.:AOK-200WPLA-HVS-L2-00-5070-T401-P	DIM.: 675*300*65mm	SERIAL No.:
MFR.: AOK	SUR.:310*260mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-30

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:478.9V I:0.4452A P:198.9W PF:0.9330 Freq:60.01Hz Lamp Flux:32145.5x1 lm		
NAME: AOK PLA	TYPE:LED STREET LIGHT	WEIGHT:6.4KG
SPEC.:AOK-200WPLA-HVS-L2-00-5070-T401-P	DIM.: 675*300*65mm	SERIAL No.:
MFR.: AOK	SUR.:310*260mm	Shielding Angle:

Table--1

UNIT: ×10cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466
5	469	468	467	466	466	466	467	468	469	471	473	475	475	476	474	472	469	467	466
10	479	476	472	468	466	467	468	469	472	478	485	491	493	493	488	480	471	463	460
15	500	494	485	475	471	468	469	473	479	490	505	518	521	521	510	492	471	455	448
20	531	520	505	488	480	473	473	479	492	509	531	551	557	556	537	505	470	443	431
25	567	551	529	507	493	483	480	490	510	531	560	586	593	592	564	516	465	429	415
30	603	582	556	530	512	499	495	509	532	559	592	623	630	628	587	521	460	418	401
35	638	613	585	560	542	529	525	543	568	594	627	660	669	663	605	520	454	409	390
40	673	640	615	601	593	581	578	600	630	644	658	692	708	698	615	514	446	399	380
45	717	669	639	646	660	648	643	672	705	692	686	734	759	738	617	501	435	390	370
50	779	713	673	693	727	712	702	741	782	749	735	798	832	784	610	483	420	377	358
55	879	790	744	772	820	788	773	823	886	853	852	924	952	845	592	458	396	357	340
60	1052	957	941	930	956	902	877	948	1048	1087	1195	1173	1154	929	568	426	364	329	315
65	1276	1194	1415	1301	1190	1084	1035	1147	1328	1645	1590	1177	1298	954	538	386	321	286	250
70	943	812	1308	1914	1538	1304	1184	1357	1682	1920	833	394	616	618	443	316	258	93.0	58.5
75	131	136	404	1256	1514	1110	774	1031	1305	733	153	35.1	42.6	151	217	184	105	31.4	31.7
80	20.4	20.8	73.7	297	374	192	121	148	221	147	23.5	17.6	17.5	25.4	18.3	22.8	25.2	18.8	19.5
85	9.74	9.66	12.6	64.0	58.2	27.7	12.7	24.8	38.8	35.8	8.90	7.31	6.96	7.64	6.27	8.95	11.7	7.31	8.13
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:2022-12-30

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:478.9V I:0.4452A P:198.9W PF:0.9330 Freq:60.01Hz Lamp Flux:32145.5x1 lm		
NAME: AOK PLA	TYPE:LED STREET LIGHT	WEIGHT:6.4KG
SPEC.:AOK-200WPLA-HVS-L2-00-5070-T401-P	DIM.: 675*300*65mm	SERIAL No.:
MFR.: AOK	SUR.:310*260mm	Shielding Angle:

Table--2

UNIT: x10cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	466	466	466	466	466														
5	465	465	466	467	468														
10	459	463	470	476	481														
15	449	460	477	493	503														
20	435	456	487	516	536														
25	421	451	498	544	574														
30	410	446	505	570	613														
35	401	441	507	590	651														
40	392	435	503	601	685														
45	384	426	494	605	725														
50	374	415	480	601	772														
55	357	398	462	589	834														
60	333	373	437	574	924														
65	291	333	402	559	994														
70	109	272	340	489	756														
75	32.7	119	233	289	242														
80	19.3	26.8	29.9	44.8	35.9														
85	8.04	12.5	12.8	8.89	11.1														
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:2022-12-30

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: