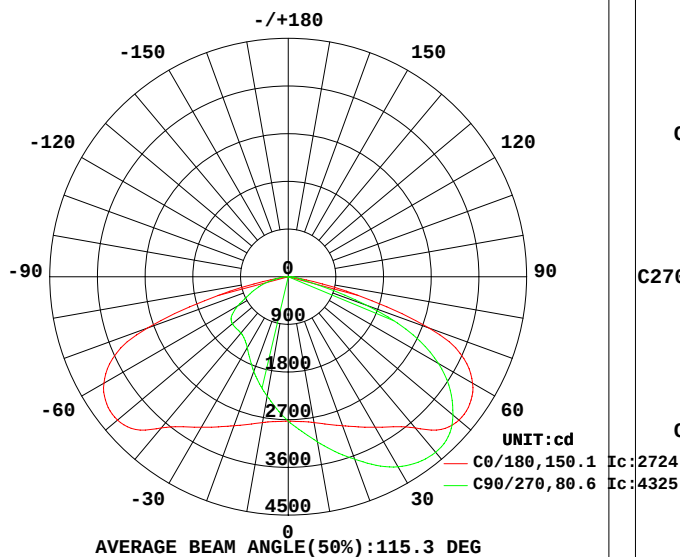
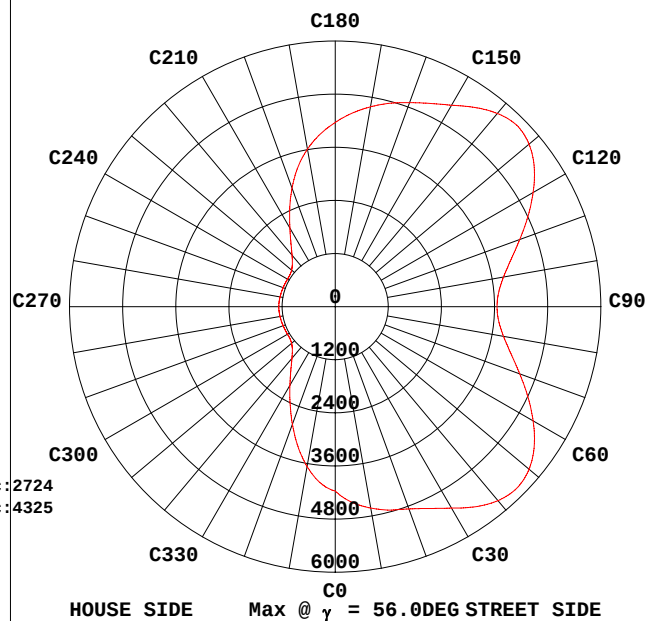


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:44.27V I:1.810A P:80.13W PF:1.000 Freq:0Hz Lamp Flux:14530.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-80WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 181.34 lm/W			
MODEL	5050	I _{max} (cd)	5799	η street_up(%)	0.0
NOMINAL POWER(W)	80	LOR(%)	100.0	η street_down(%)	69.2
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	14530	η house_up(%)	0.0
NOMINAL FLUX(lm)	14530.5	MAXIMUM @(C,γ)	135,56.0	η house_down(%)	30.8
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	20.103

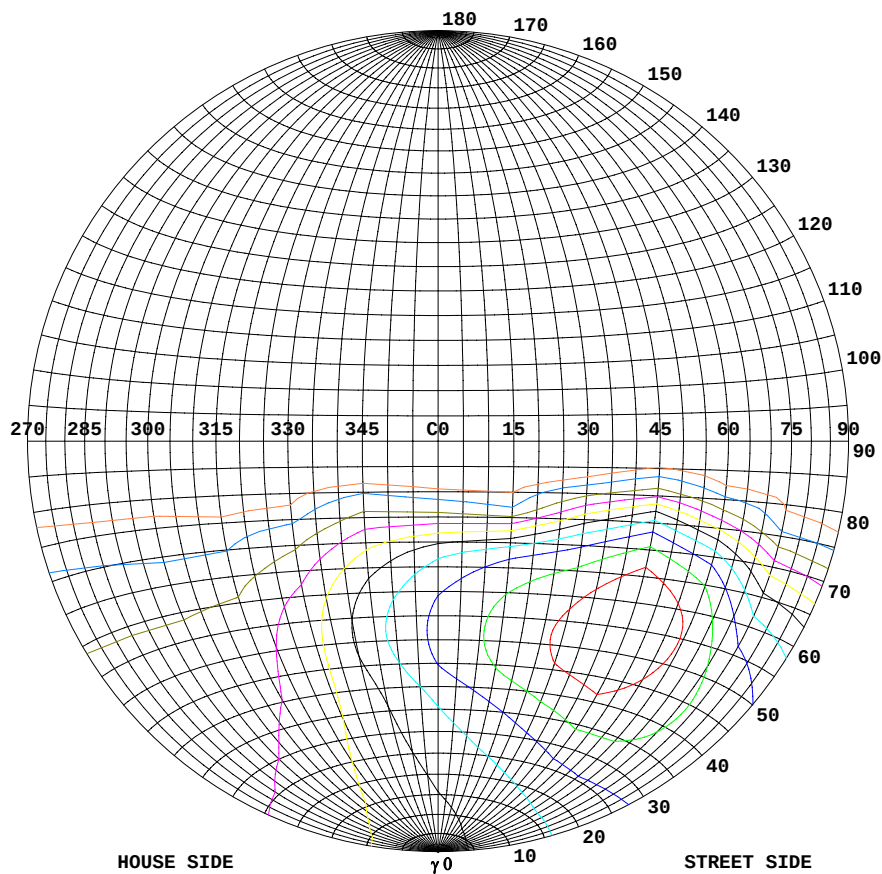
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:44.27V I:1.810A P:80.13W PF:1.000 Freq:0Hz Lamp Flux:14530.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-80WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:



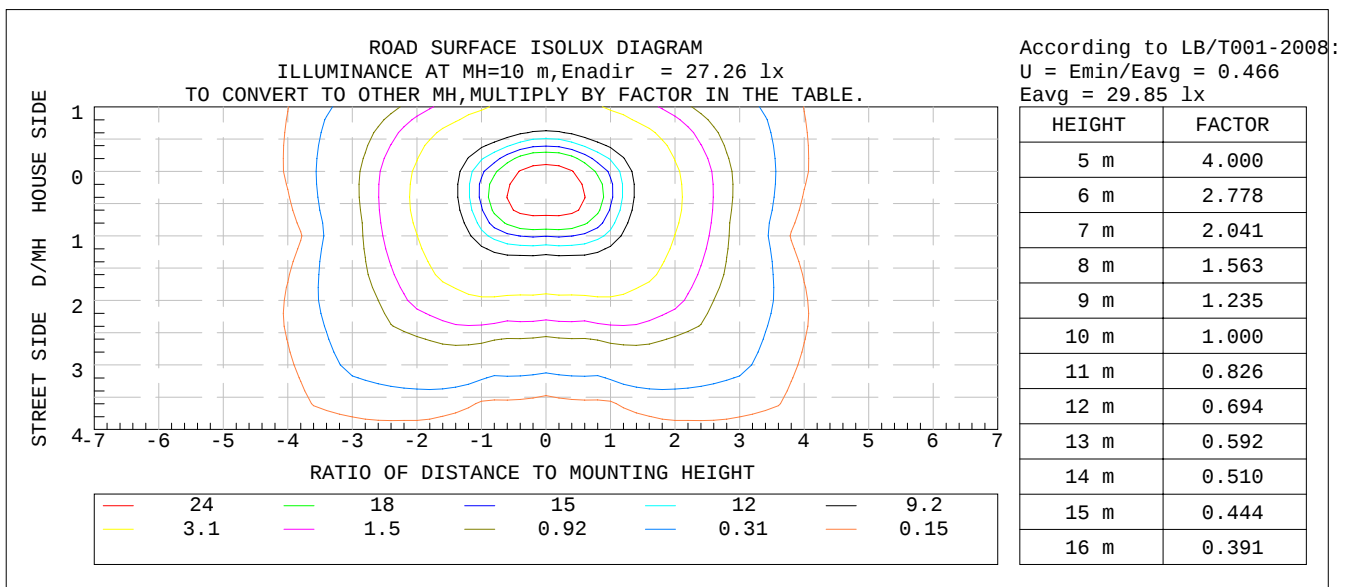
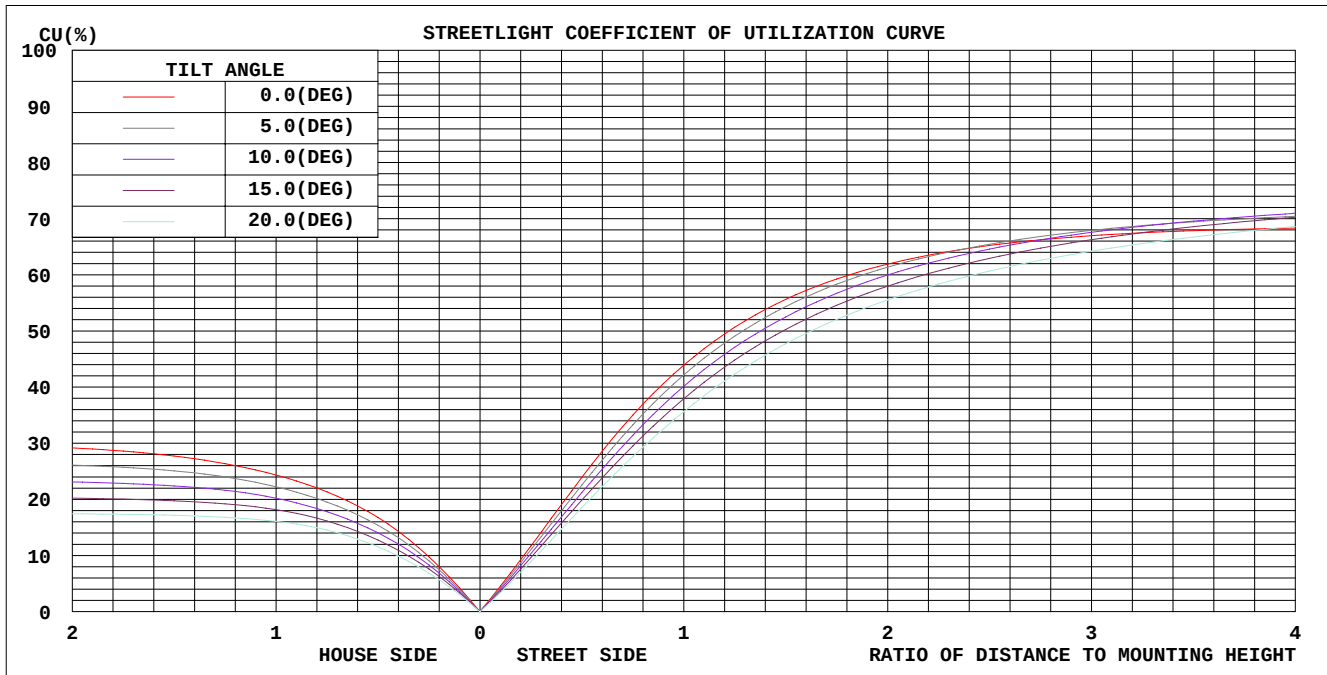
Classification:

IES:Type IV - Short
 CIE:Broad - Short
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:115.2cd/klm
 Max.At90:0cd/klm
 Max.80-90:115.2cd/klm
 NRB 5101:Semi limited[13.7%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	5799
90%	5219
80%	4639
70%	4059
60%	3479
50%	2900
40%	2320
30%	1740
20%	1160
10%	580
5%	290

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_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: 2020-12-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:44.27V I:1.810A P:80.13W PF:1.000 Freq:0Hz Lamp Flux:14530.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-80WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:

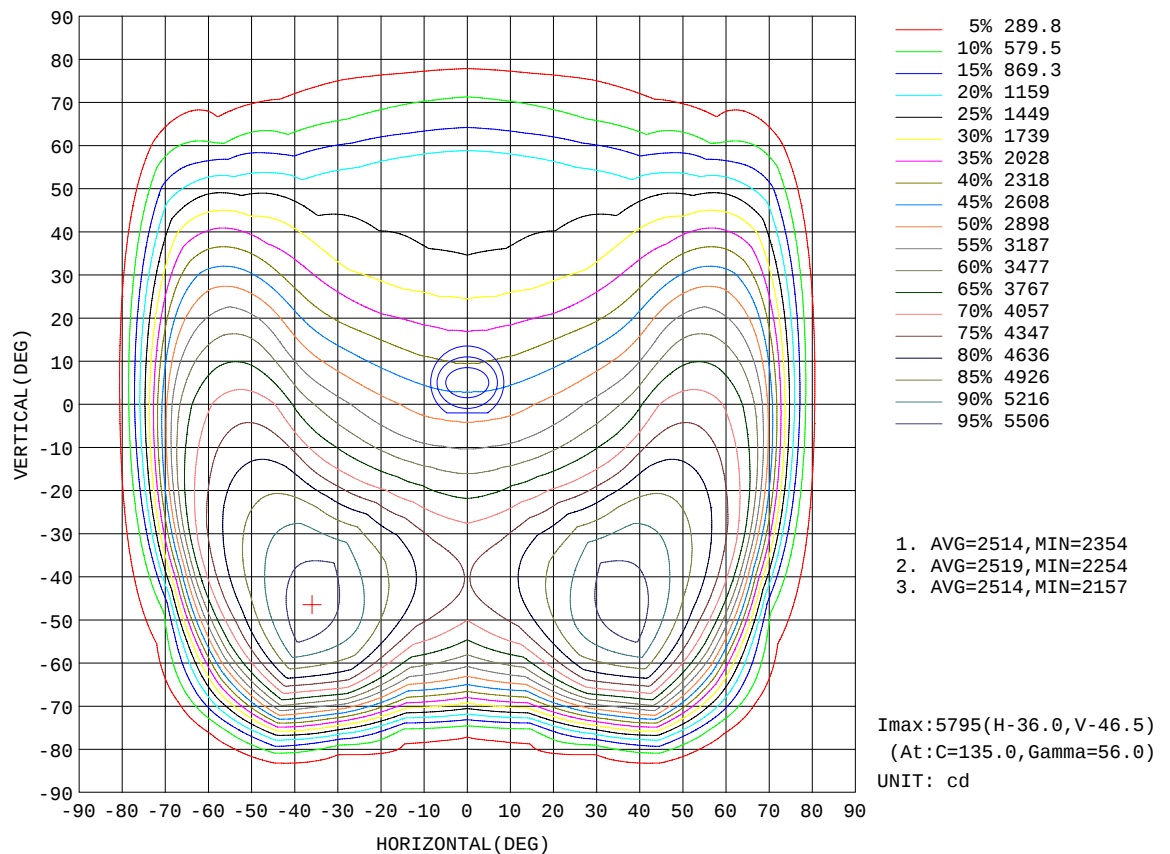
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	2796	3059	3164	3059	2796	2456	2289	2456	0- 10	261.6	261.6	1.8,1.8
20	2993	3559	3663	3559	2993	2232	1903	2232	10- 20	801.5	1063	7.32,7.32
30	3278	4287	4142	4287	3278	1986	1552	1986	20- 30	1387	2450	16.9,16.9
40	3725	5116	4325	5116	3725	1751	1390	1751	30- 40	2024	4475	30.8,30.8
50	4207	5669	4057	5669	4207	1543	1378	1543	40- 50	2677	7152	49.2,49.2
60	4016	5727	3273	5727	4016	1215	1098	1215	50- 60	3061	10213	70.3,70.3
70	2816	4754	1581	4754	2816	569.7	627.7	569.7	60- 70	2780	12993	89.4,89.4
80	349.1	1674	228.2	1674	349.1	174.5	223.1	174.5	70- 80	1369	14362	98.8,98.8
90	0	0	0	0	0	0	0	0	80- 90	168.3	14530	100,100
100	0	0	0	0	0	0	0	0	90-100	0	14530	100,100
110	0	0	0	0	0	0	0	0	100-110	0	14530	100,100
120	0	0	0	0	0	0	0	0	110-120	0	14530	100,100
130	0	0	0	0	0	0	0	0	120-130	0	14530	100,100
140	0	0	0	0	0	0	0	0	130-140	0	14530	100,100
150	0	0	0	0	0	0	0	0	140-150	0	14530	100,100
160	0	0	0	0	0	0	0	0	150-160	0	14530	100,100
170	0	0	0	0	0	0	0	0	160-170	0	14530	100,100
180	0	0	0	0	0	0	0	0	170-180	0	14530	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:2020-12-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

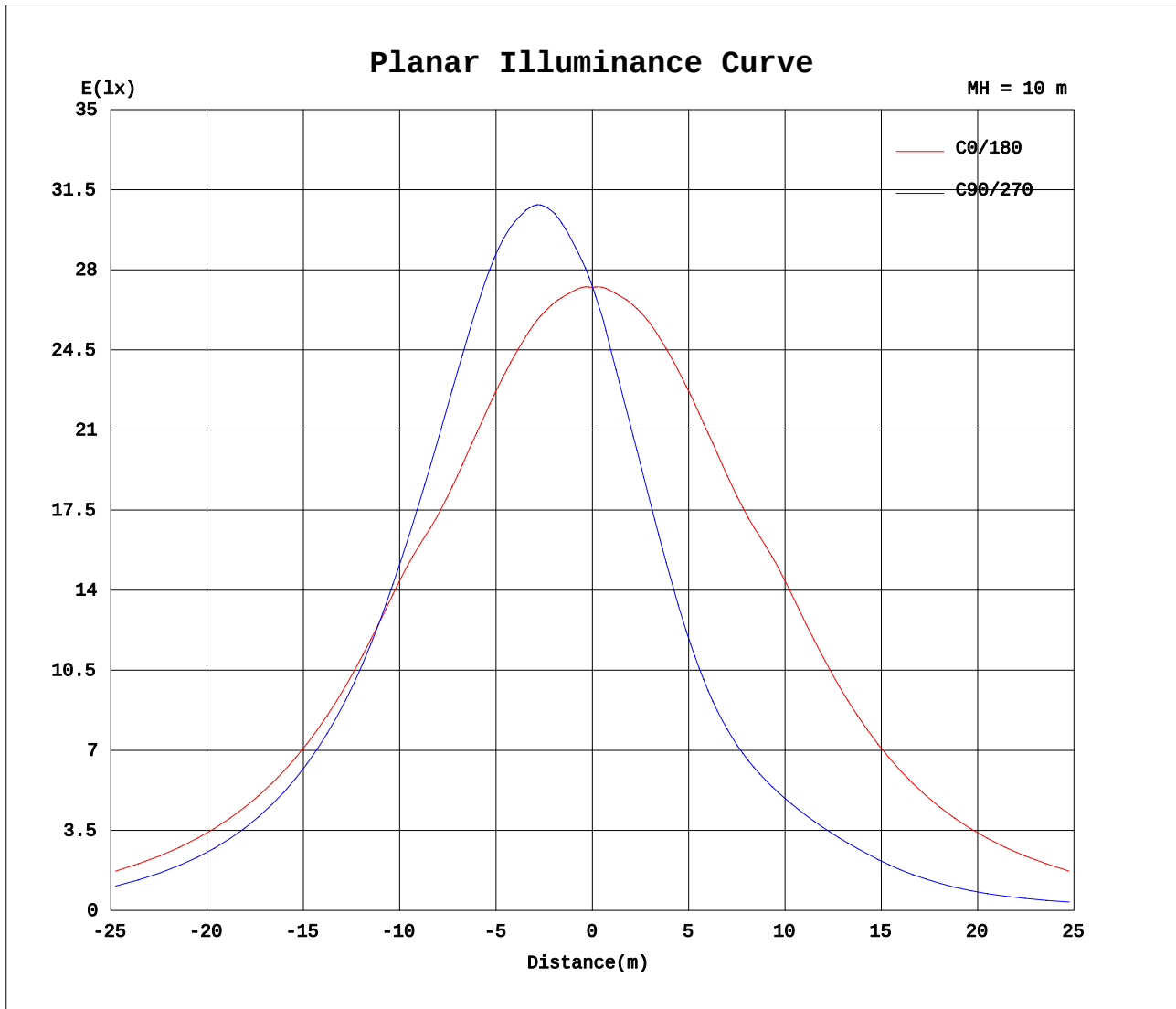
Test:U:44.27V I:1.810A P:80.13W PF:1.000 Freq:0Hz Lamp Flux:14530.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-80WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-12-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

Planar Illuminance Curve



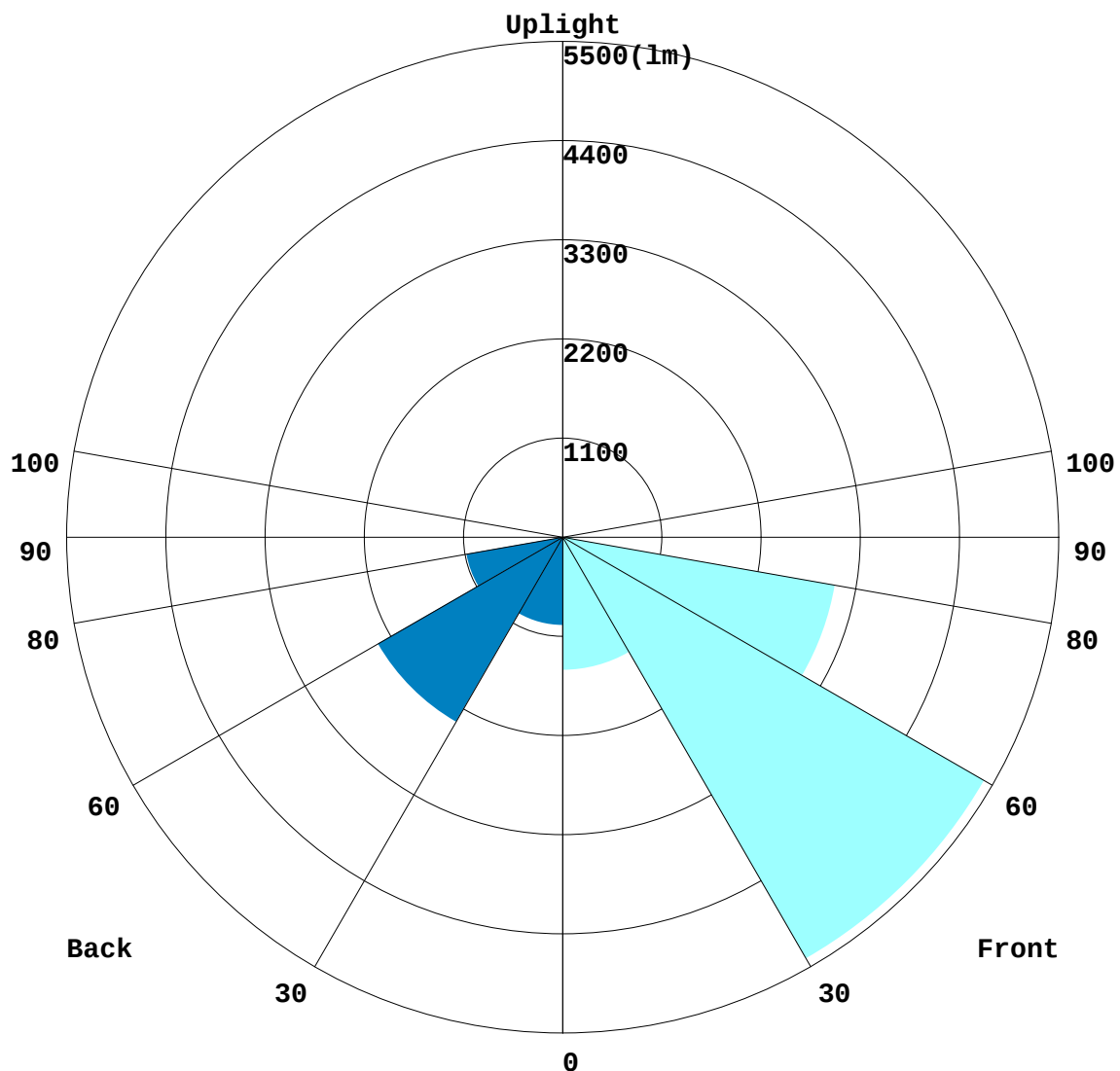
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-12-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

LCS REPORT

Test:U:44.27V I:1.810A P:80.13W PF:1.000 Freq:0Hz Lamp Flux:14530.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-80WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:44.27V I:1.810A P:80.13W PF:1.000 Freq:0Hz Lamp Flux:14530.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-80WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1473.6	10.1
FM - Front-Medium(30-60)	5397.7	37.1
FH - Front-High(60-80)	3066.1	21.1
FVH - Front-Very High(80-90)	114.62	0.8
Total Forward Light	10052	69.2

BL - Back-Low(0-30)	976.47	6.7
BM - Back-Medium(30-60)	2365	16.3
BH - Back-High(60-80)	1083.3	7.5
BVH - Back-Very High(80-90)	53.647	0.4
Total Back Light	4478.4	30.8

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
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4478.4	0	4478.4
Street Side	10052	0	10052

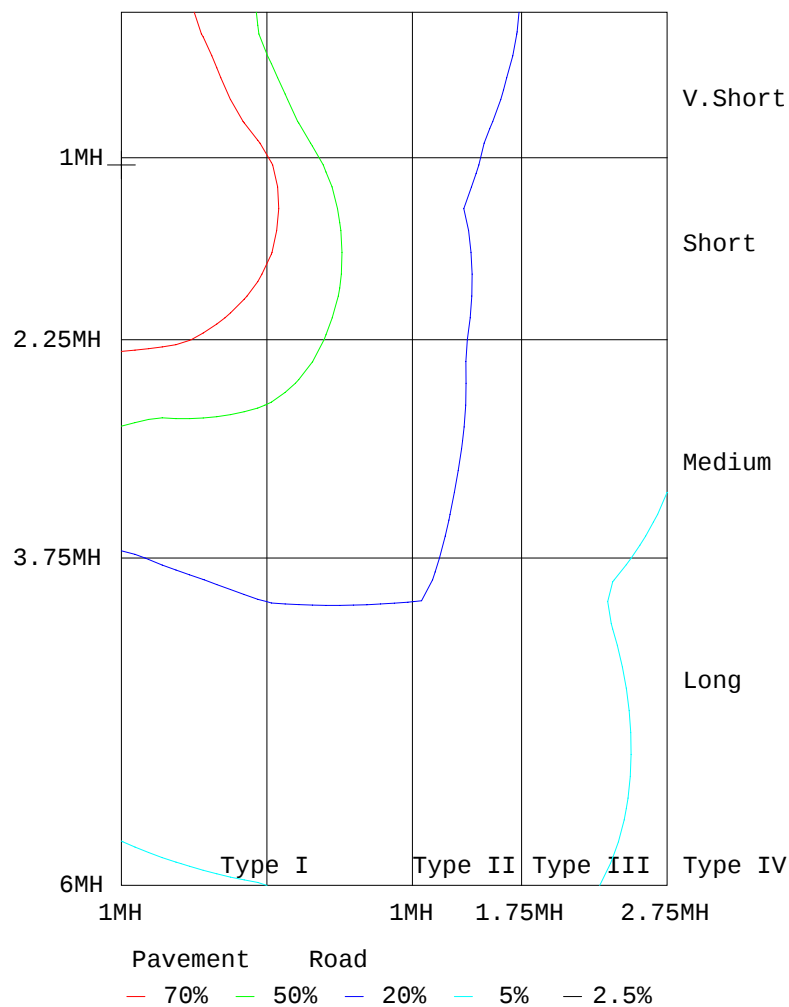
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-12-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:44.27V I:1.810A P:80.13W PF:1.000 Freq:0Hz Lamp Flux:14530.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-80WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-12-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:44.27V I:1.810A P:80.13W PF:1.000 Freq:0Hz Lamp Flux:14530.5x1 lm																		
NAME: AOK SE									TYPE:LED STREET LIGHT					WEIGHT:				
SPEC.:AOK-80WSE-DC-L5-00-5070-T402-P									DIM.: 560*240*200mm					SERIAL No.:				
MFR.: AOK									SUR.:235*70mm*3					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	2724	2724	2724	2724	2724	2724	2724	2724	2724	2724	2724	2724	2724	2724	2724	2724	2724	2724	2724
5	2744	2797	2843	2883	2909	2927	2927	2927	2909	2883	2843	2797	2744	2688	2633	2584	2546	2512	2503
10	2796	2892	2980	3059	3124	3161	3164	3161	3124	3059	2980	2892	2796	2680	2565	2456	2372	2311	2289
15	2885	3027	3159	3283	3373	3416	3416	3416	3373	3283	3159	3027	2885	2701	2514	2342	2216	2128	2095
20	2993	3195	3384	3559	3666	3685	3663	3685	3666	3559	3384	3195	2993	2734	2469	2232	2059	1946	1903
25	3126	3400	3654	3897	3998	3977	3926	3977	3998	3897	3654	3400	3126	2777	2425	2116	1898	1765	1715
30	3278	3635	3965	4287	4353	4246	4142	4246	4353	4287	3965	3635	3278	2830	2373	1986	1738	1602	1552
35	3458	3911	4354	4728	4682	4444	4274	4444	4682	4728	4354	3911	3458	2889	2312	1859	1600	1481	1439
40	3725	4311	4798	5116	4897	4548	4325	4548	4897	5116	4798	4311	3725	2987	2259	1751	1506	1421	1390
45	4077	4664	5155	5425	5045	4558	4270	4558	5045	5425	5155	4664	4077	3162	2224	1650	1438	1398	1384
50	4207	4791	5299	5669	5141	4453	4057	4453	5141	5669	5299	4791	4207	3320	2180	1543	1371	1371	1378
55	4184	4777	5276	5796	5169	4188	3733	4188	5169	5796	5276	4777	4184	3292	2082	1406	1273	1292	1309
60	4016	4623	5101	5727	5036	3706	3273	3706	5036	5727	5101	4623	4016	3094	1878	1215	1098	1082	1098
65	3657	4268	4706	5410	4609	3024	2605	3024	4609	5410	4706	4268	3657	2725	1539	928	800	795	830
70	2816	3230	3992	4754	3745	2006	1581	2006	3745	4754	3992	3230	2816	2138	1078	570	538	589	628
75	1372	1232	2656	3630	2231	734	498	734	2231	3630	2656	1232	1372	1364	484	331	353	396	432
80	349	285	1029	1674	670	274	228	274	670	1674	1029	285	349	541	204	174	201	217	223
85	42.6	56.1	128	317	164	147	125	147	164	317	128	56.1	42.6	83.6	59.8	74.8	107	126	132
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:2020-12-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:44.27V I:1.810A P:80.13W PF:1.000 Freq:0Hz Lamp Flux:14530.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-80WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345													
0	2724	2724	2724	2724	2724													
5	2512	2546	2584	2633	2688													
10	2311	2372	2456	2565	2680													
15	2128	2216	2342	2514	2701													
20	1946	2059	2232	2469	2734													
25	1765	1898	2116	2425	2777													
30	1602	1738	1986	2373	2830													
35	1481	1600	1859	2312	2889													
40	1421	1506	1751	2259	2987													
45	1398	1438	1650	2224	3162													
50	1371	1371	1543	2180	3320													
55	1292	1273	1406	2082	3292													
60	1082	1098	1215	1878	3094													
65	795	800	928	1539	2725													
70	589	538	570	1078	2138													
75	396	353	331	484	1364													
80	217	201	174	204	541													
85	126	107	74.8	59.8	83.6													
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:2020-12-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks: