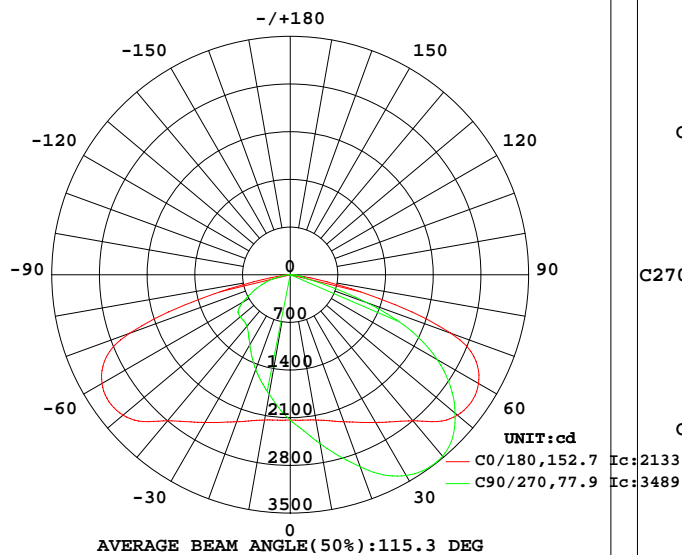
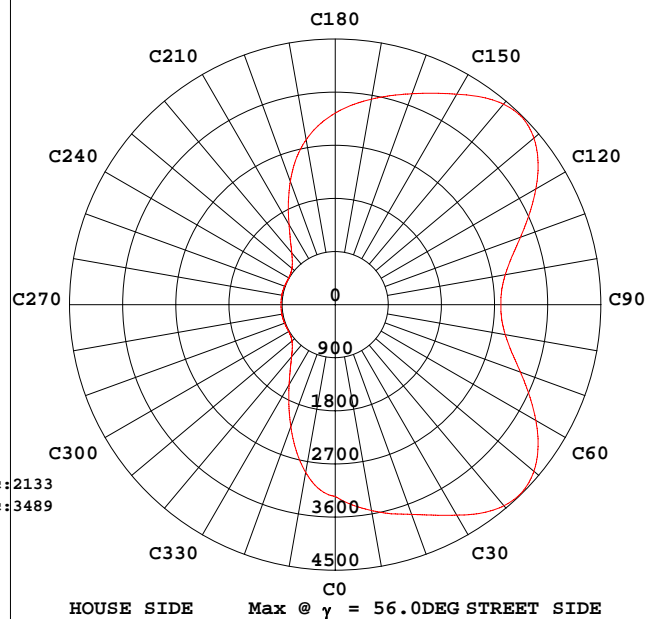


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:43.59V I:1.370A P:59.71W PF:1.000 Freq:0Hz Lamp Flux:11393.1x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-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: 190.81 lm/W			
MODEL	5050	I _{max} (cd)	4484	η street_up(%)	0.0
NOMINAL POWER(W)	60	LOR(%)	100.0	η street_down(%)	69.5
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	11393	η house_up(%)	0.0
NOMINAL FLUX(lm)	11393.1	MAXIMUM @(C,γ)	135,56.0	η house_down(%)	30.5
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	20.119

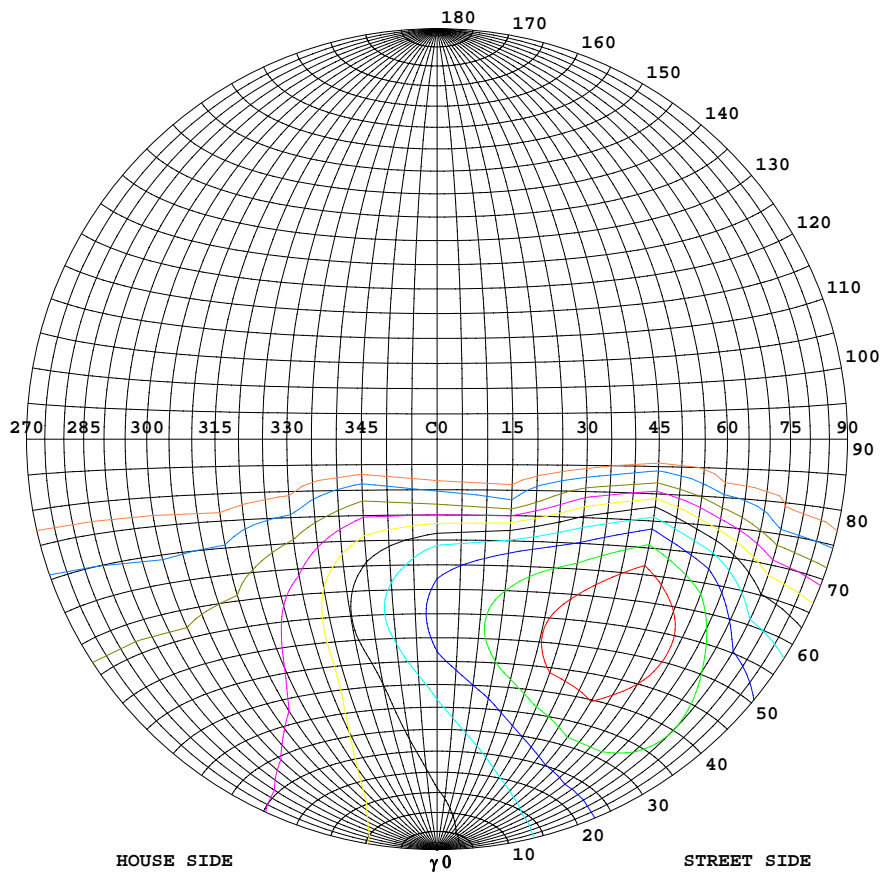
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.802m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:43.59V I:1.370A P:59.71W PF:1.000 Freq:0Hz Lamp Flux:11393.1x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:



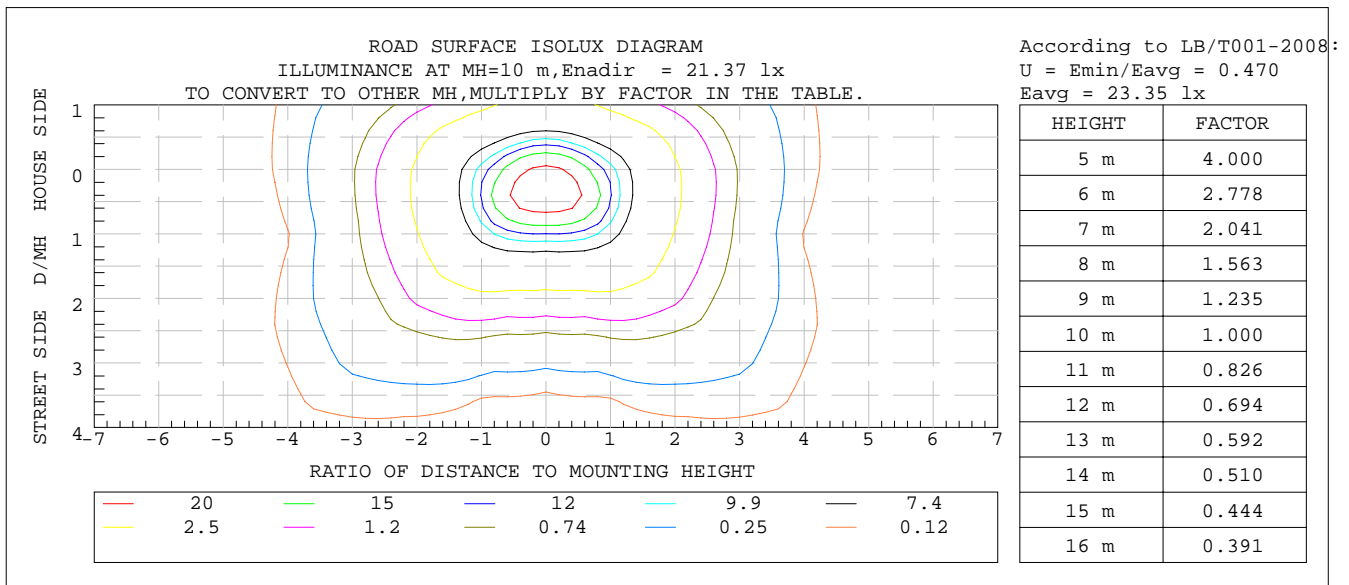
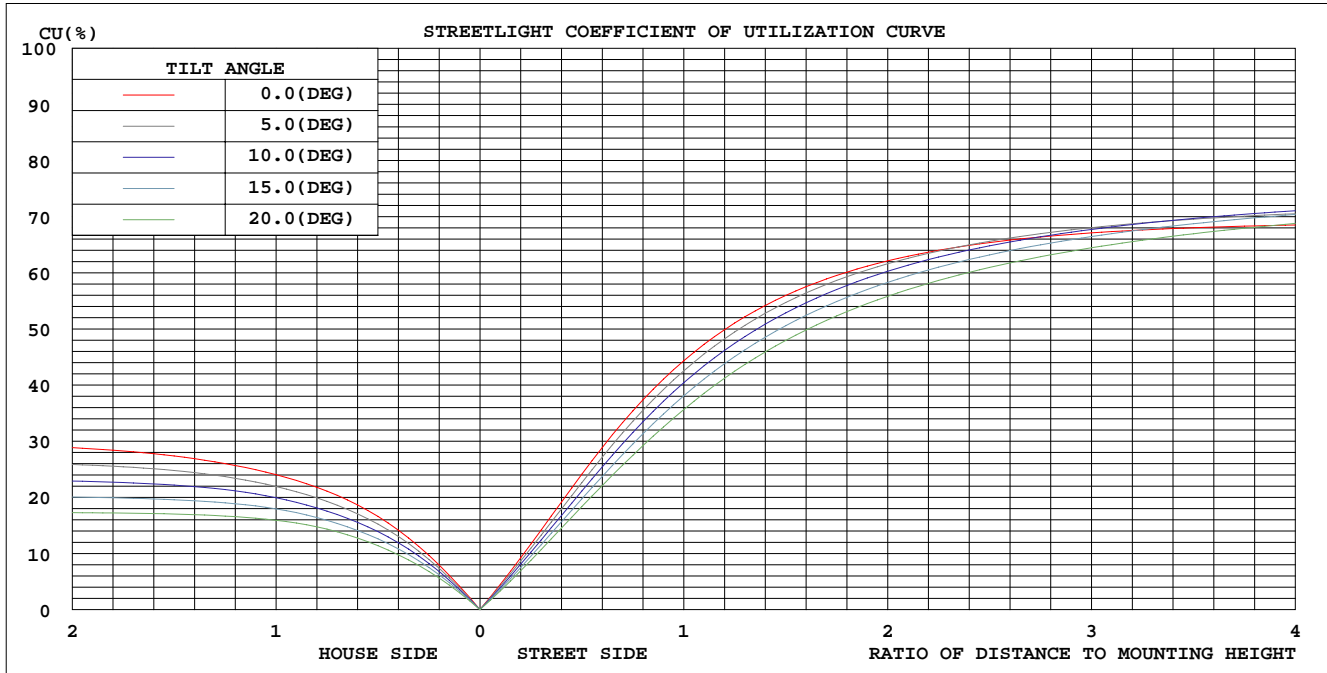
Classification:

IES:Type IV - Short
CIE:Broad - Short
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:131.4cd/klm
Max.At90:0cd/klm
Max.80-90:131.4cd/klm
NRB 5101:Semi limited[15.8%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4484
90%	4035
80%	3587
70%	3139
60%	2690
50%	2242
40%	1793
30%	1345
20%	897
10%	448
5%	224

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.802m [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: 2020-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.802m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:43.59V I:1.370A P:59.71W PF:1.000 Freq:0Hz Lamp Flux:11393.1x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:

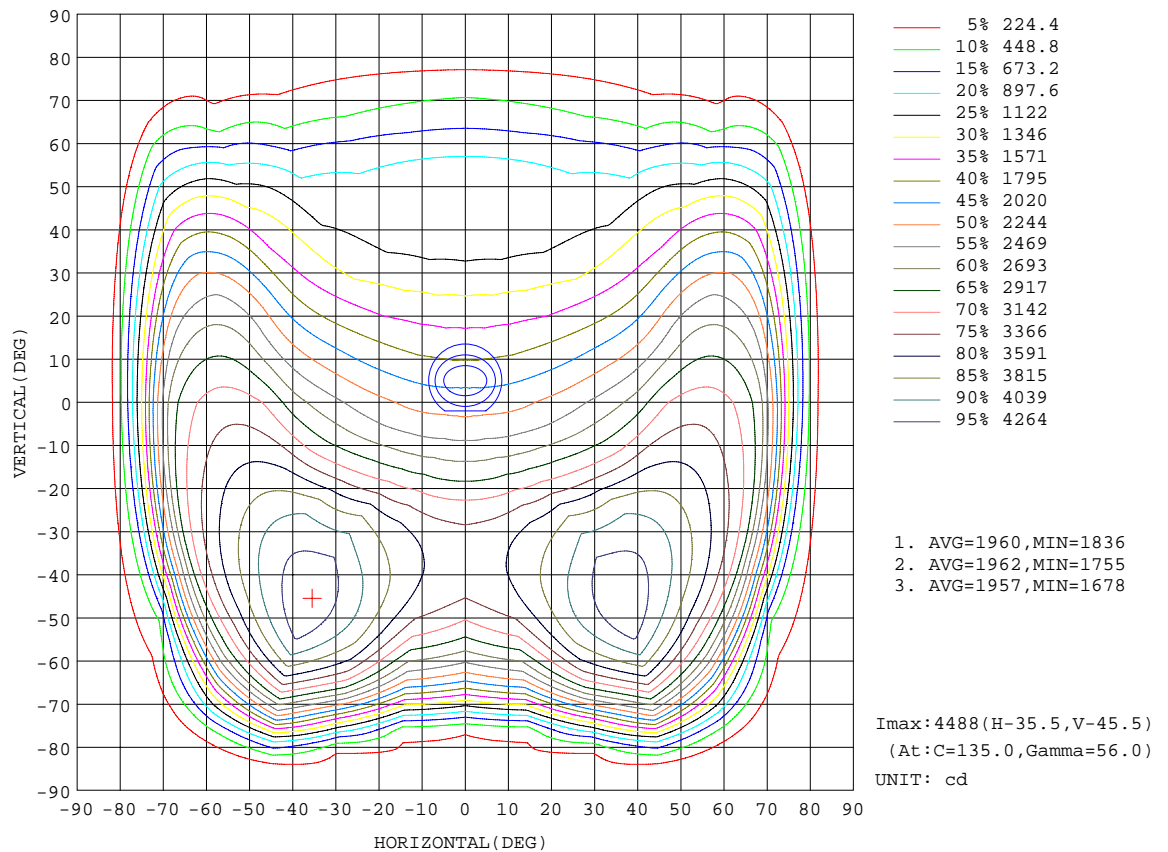
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	2166	2412	2516	2412	2166	1904	1783	1904	0- 10	204.6	204.6	1.8,1.8
20	2295	2846	3000	2846	2295	1713	1482	1713	10- 20	628.0	832.6	7.31,7.31
30	2504	3454	3403	3454	2504	1517	1189	1517	20- 30	1091	1924	16.9,16.9
40	2799	4045	3477	4045	2799	1304	991.4	1304	30- 40	1579	3503	30.7,30.7
50	3205	4407	3158	4407	3205	1141	960.4	1141	40- 50	2048	5551	48.7,48.7
60	3190	4424	2492	4424	3190	931.2	808.3	931.2	50- 60	2349	7899	69.3,69.3
70	2500	3672	1184	3672	2500	475.8	468.5	475.8	60- 70	2179	10078	88.5,88.5
80	410.6	1497	185.5	1497	410.6	149.8	127.7	149.8	70- 80	1154	11232	98.6,98.6
90	0	0	0	0	0	0	0	0	80- 90	161.2	11393	100,100
100	0	0	0	0	0	0	0	0	90-100	0	11393	100,100
110	0	0	0	0	0	0	0	0	100-110	0	11393	100,100
120	0	0	0	0	0	0	0	0	110-120	0	11393	100,100
130	0	0	0	0	0	0	0	0	120-130	0	11393	100,100
140	0	0	0	0	0	0	0	0	130-140	0	11393	100,100
150	0	0	0	0	0	0	0	0	140-150	0	11393	100,100
160	0	0	0	0	0	0	0	0	150-160	0	11393	100,100
170	0	0	0	0	0	0	0	0	160-170	0	11393	100,100
180	0	0	0	0	0	0	0	0	170-180	0	11393	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:2020-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.802m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

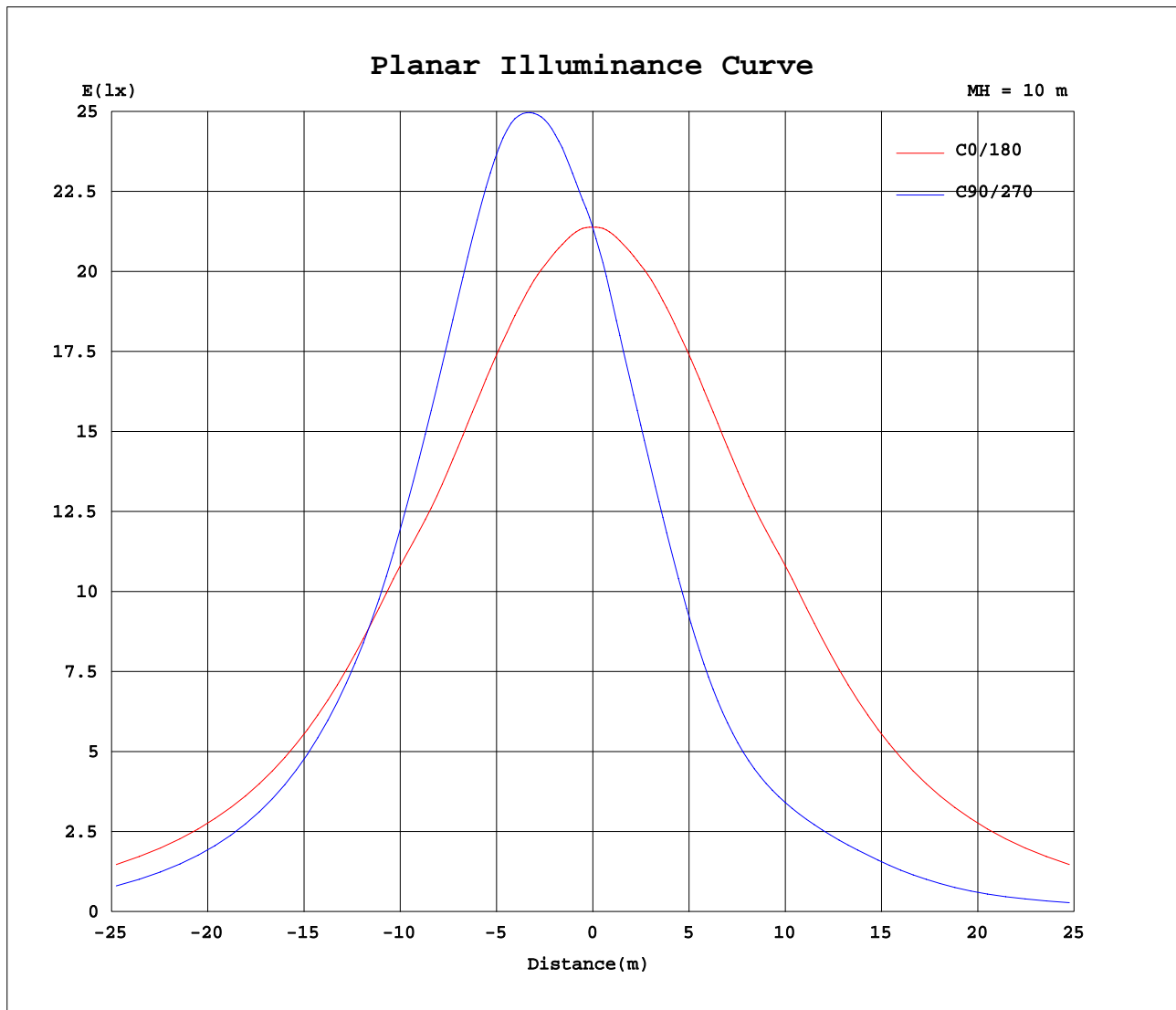
Test:U:43.59V I:1.370A P:59.71W PF:1.000 Freq:0Hz Lamp Flux:11393.1x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-08-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.802m [K=1.0000]
Remarks:

Planar Illuminance Curve



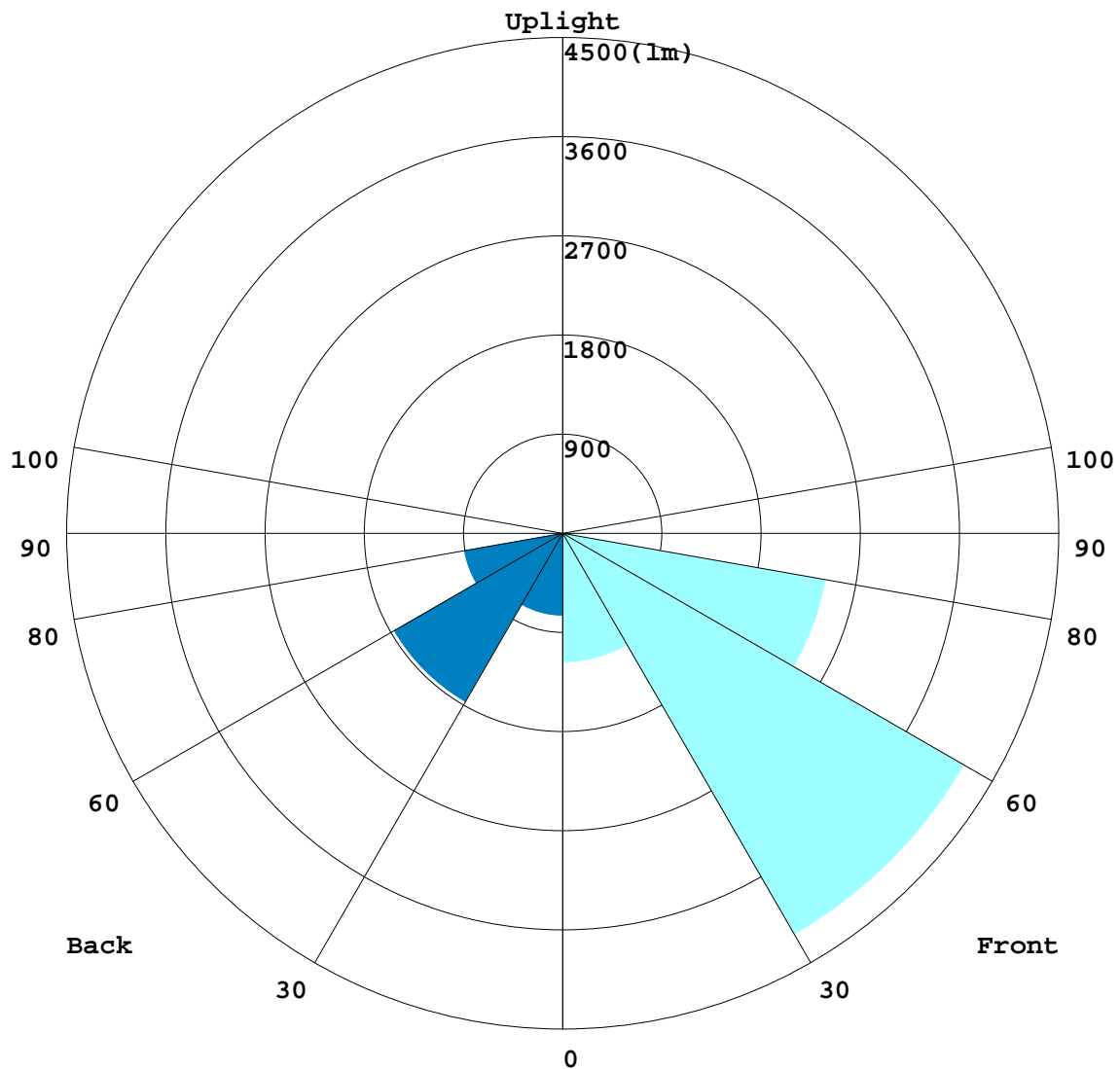
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.802m [K=1.0000]
Remarks:

LCS REPORT

Test:U:43.59V I:1.370A P:59.71W PF:1.000 Freq:0Hz Lamp Flux:11393.1x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-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:2020-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.802m [K=1.0000]
Remarks:

BUG REPORT

Test:U:43.59V I:1.370A P:59.71W PF:1.000 Freq:0Hz Lamp Flux:11393.1x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-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)	1173.4	10.3
FM - Front-Medium(30-60)	4206.7	36.9
FH - Front-High(60-80)	2423.7	21.3
FVH - Front-Very High(80-90)	114.95	1.0
Total Forward Light	7918.6	69.5

BL - Back-Low(0-30)	750.68	6.6
BM - Back-Medium(30-60)	1768.4	15.5
BH - Back-High(60-80)	909.11	8.0
BVH - Back-Very High(80-90)	46.224	0.4
Total Back Light	3474.4	30.5

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	B2-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3474.4	0	3474.4
Street Side	7918.6	0	7918.6

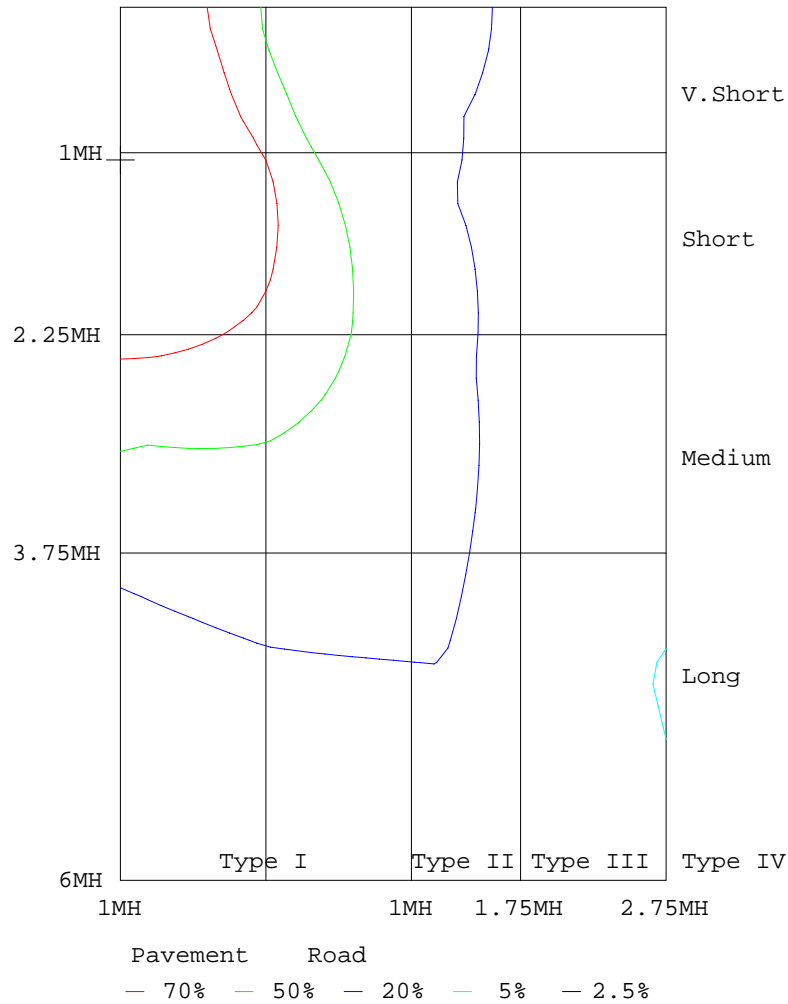
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-08-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.802m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:43.59V I:1.370A P:59.71W PF:1.000 Freq:0Hz Lamp Flux:11393.1x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-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:2020-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.802m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:43.59V I:1.370A P:59.71W PF:1.000 Freq:0Hz Lamp Flux:11393.1x1 lm																		
NAME: AOK SE									TYPE:LED STREET LIGHT					WEIGHT:				
SPEC.:AOK-60WSE-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(DEC)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
γ (DEC)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	2133	2133	2133	2133	2133	2133	2133	2133	2133	2133	2133	2133	2133	2133	2133	2133	2133	2133	2133
5	2143	2185	2223	2257	2282	2297	2301	2297	2282	2257	2223	2185	2143	2098	2057	2019	1989	1966	1959
10	2166	2248	2332	2412	2474	2508	2516	2508	2474	2412	2332	2248	2166	2076	1985	1904	1841	1799	1783
15	2220	2342	2481	2605	2697	2742	2751	2742	2697	2605	2481	2342	2220	2079	1933	1806	1712	1654	1631
20	2295	2472	2670	2846	2953	2993	3000	2993	2953	2846	2670	2472	2295	2094	1888	1713	1588	1510	1482
25	2390	2628	2891	3123	3235	3250	3241	3250	3235	3123	2891	2628	2390	2119	1847	1619	1461	1366	1333
30	2504	2807	3139	3454	3514	3449	3403	3449	3514	3454	3139	2807	2504	2154	1806	1517	1330	1225	1189
35	2634	3011	3464	3809	3711	3556	3481	3556	3711	3809	3464	3011	2634	2193	1754	1406	1201	1103	1070
40	2799	3295	3816	4045	3825	3590	3477	3590	3825	4045	3816	3295	2799	2245	1698	1304	1100	1017	991
45	3049	3569	4059	4230	3923	3548	3373	3548	3923	4230	4059	3569	3049	2336	1654	1217	1032	980	962
50	3205	3683	4164	4407	3966	3415	3158	3415	3966	4407	4164	3683	3205	2482	1624	1141	982	964	960
55	3249	3682	4137	4483	3942	3159	2875	3159	3942	4483	4137	3682	3249	2562	1579	1052	925	933	937
60	3190	3576	3980	4424	3775	2778	2492	2778	3775	4424	3980	3576	3190	2506	1483	931	828	811	808
65	3010	3347	3671	4175	3407	2268	1972	2268	3407	4175	3671	3347	3010	2295	1284	748	625	606	622
70	2500	2708	3153	3672	2746	1502	1184	1502	2746	3672	3153	2708	2500	1904	953	476	421	447	469
75	1349	1316	2287	2851	1652	567	387	567	1652	2851	2287	1316	1349	1309	500	274	273	298	312
80	411	293	1056	1497	529	219	186	219	529	1497	1056	293	411	612	187	150	140	140	128
85	62.1	68.3	166	323	156	122	103	122	156	323	166	68.3	62.1	108	62.5	52.2	53.2	57.2	57.4
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:2020-08-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.802m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:43.59V I:1.370A P:59.71W PF:1.000 Freq:0Hz Lamp Flux:11393.1x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-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(DEC) γ (DEC)	285	300	315	330	345														
0	2133	2133	2133	2133	2133														
5	1966	1989	2019	2057	2098														
10	1799	1841	1904	1985	2076														
15	1654	1712	1806	1933	2079														
20	1510	1588	1713	1888	2094														
25	1366	1461	1619	1847	2119														
30	1225	1330	1517	1806	2154														
35	1103	1201	1406	1754	2193														
40	1017	1100	1304	1698	2245														
45	980	1032	1217	1654	2336														
50	964	982	1141	1624	2482														
55	933	925	1052	1579	2562														
60	811	828	931	1483	2506														
65	606	625	748	1284	2295														
70	447	421	476	953	1904														
75	298	273	274	500	1309														
80	140	140	150	187	612														
85	57.2	53.2	52.2	62.5	108														
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:2020-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.802m [K=1.0000]
 Remarks: