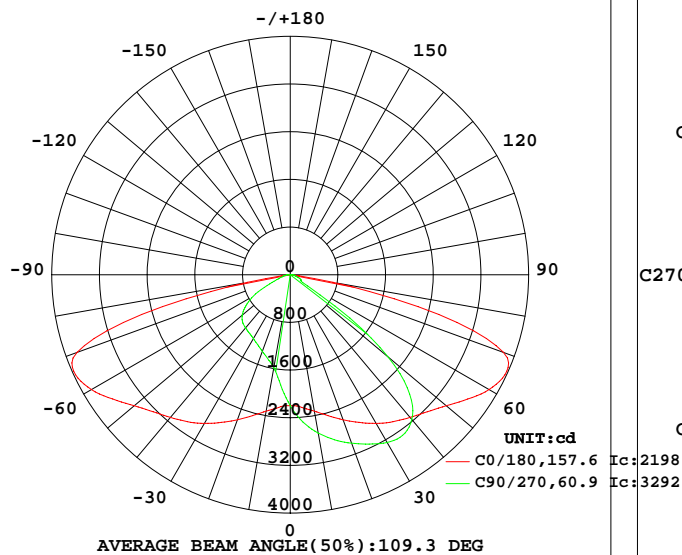
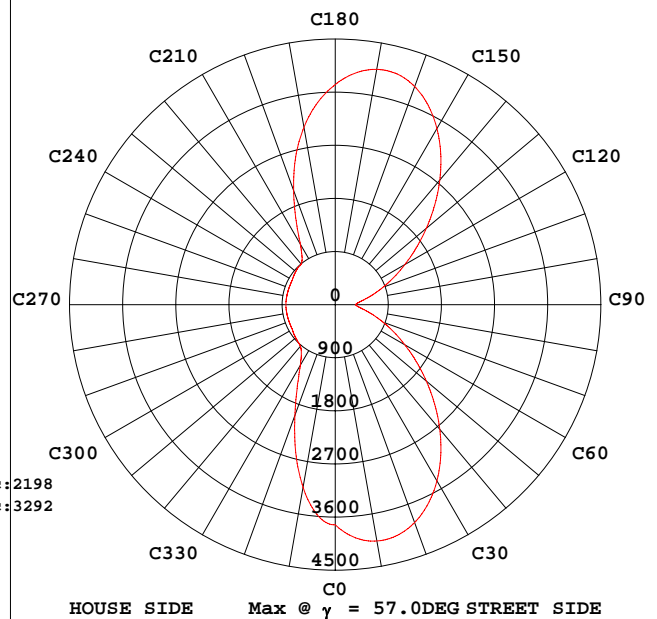


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:43.90V I:1.135A P:49.83W PF:1.000 Freq:0Hz Lamp Flux:9548.88x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-50WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 191.65 lm/W			
MODEL	5050	I _{max} (cd)	4047	η street_up(%)	0.0
NOMINAL POWER(W)	50	LOR(%)	100.0	η street_down(%)	64.9
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	9549	η house_up(%)	0.0
NOMINAL FLUX(lm)	9548.88	MAXIMUM @(C,γ)	15,57.0	η house_down(%)	35.1
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	21.239

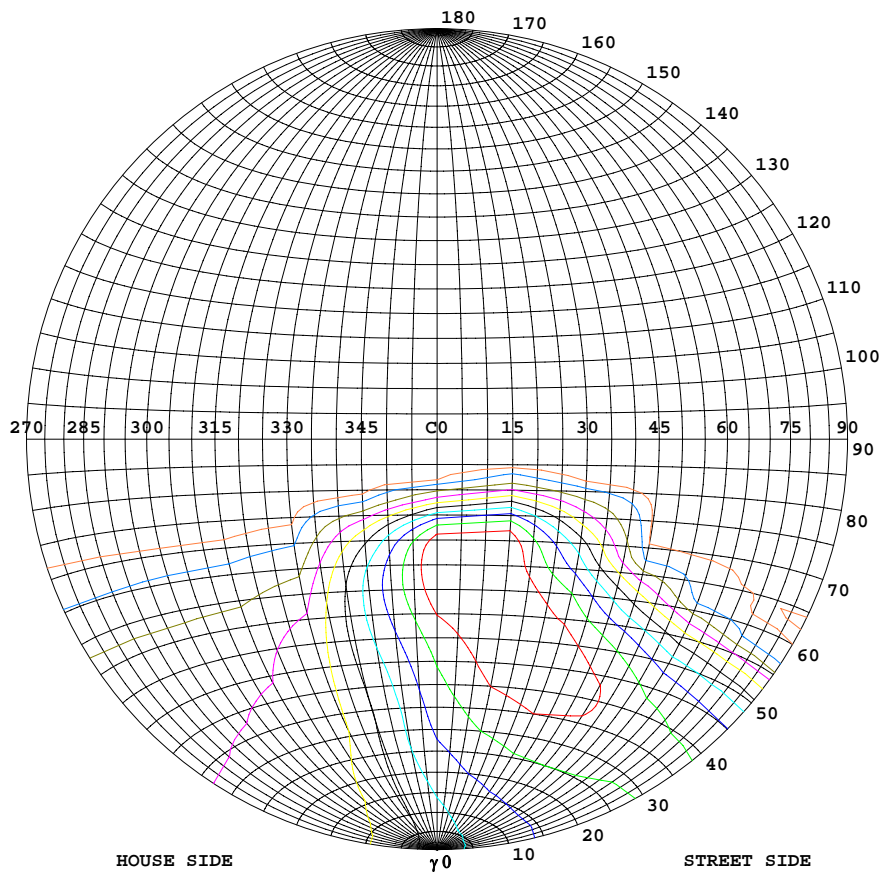
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-10-30

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:43.90V I:1.135A P:49.83W PF:1.000 Freq:0Hz Lamp Flux:9548.88x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-50WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:



Classification:

IES:Type II - Short

CIE:Narrow - Short

IES:Semi cut-off

CIE:Non-cut-off

Max.At80:130.3cd/klm

Max.At90:0cd/klm

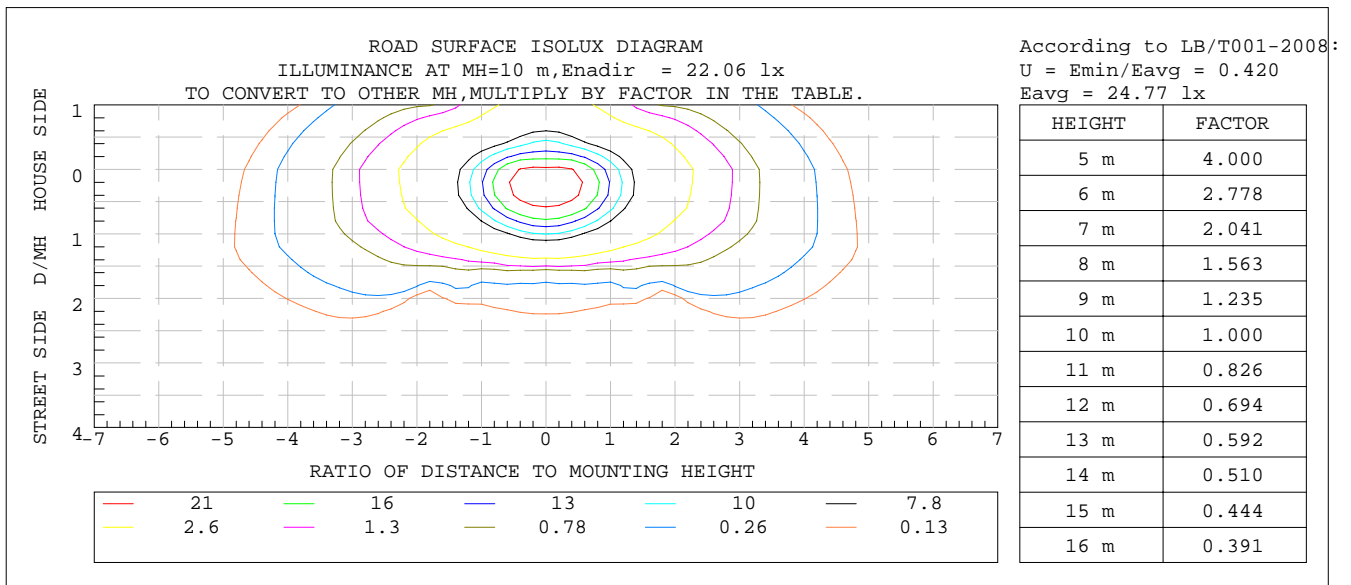
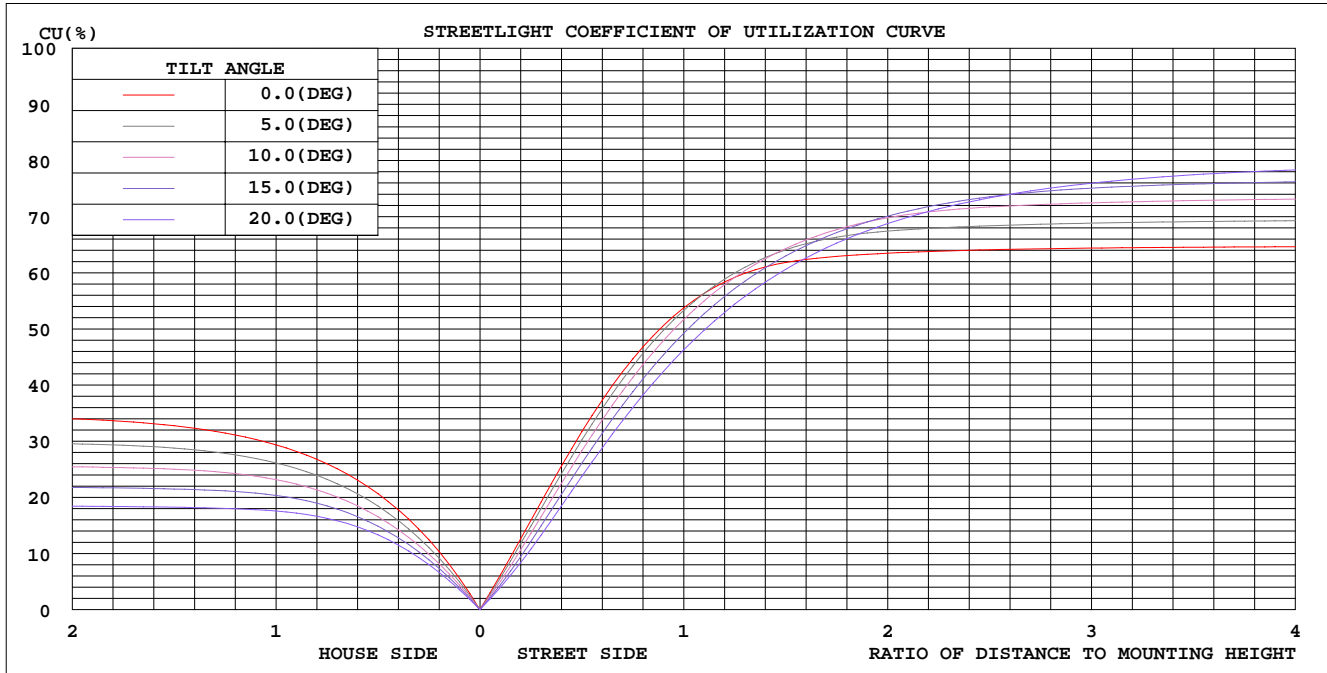
Max.80-90:130.3cd/klm

NRB 5101:Semi limited[27.4%]

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	4047
90%	3643
80%	3238
70%	2833
60%	2428
50%	2024
40%	1619
30%	1214
20%	809
10%	405
5%	202

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-10-30

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: 2020-10-30

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:43.90V I:1.135A P:49.83W PF:1.000 Freq:0Hz Lamp Flux:9548.88x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-50WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

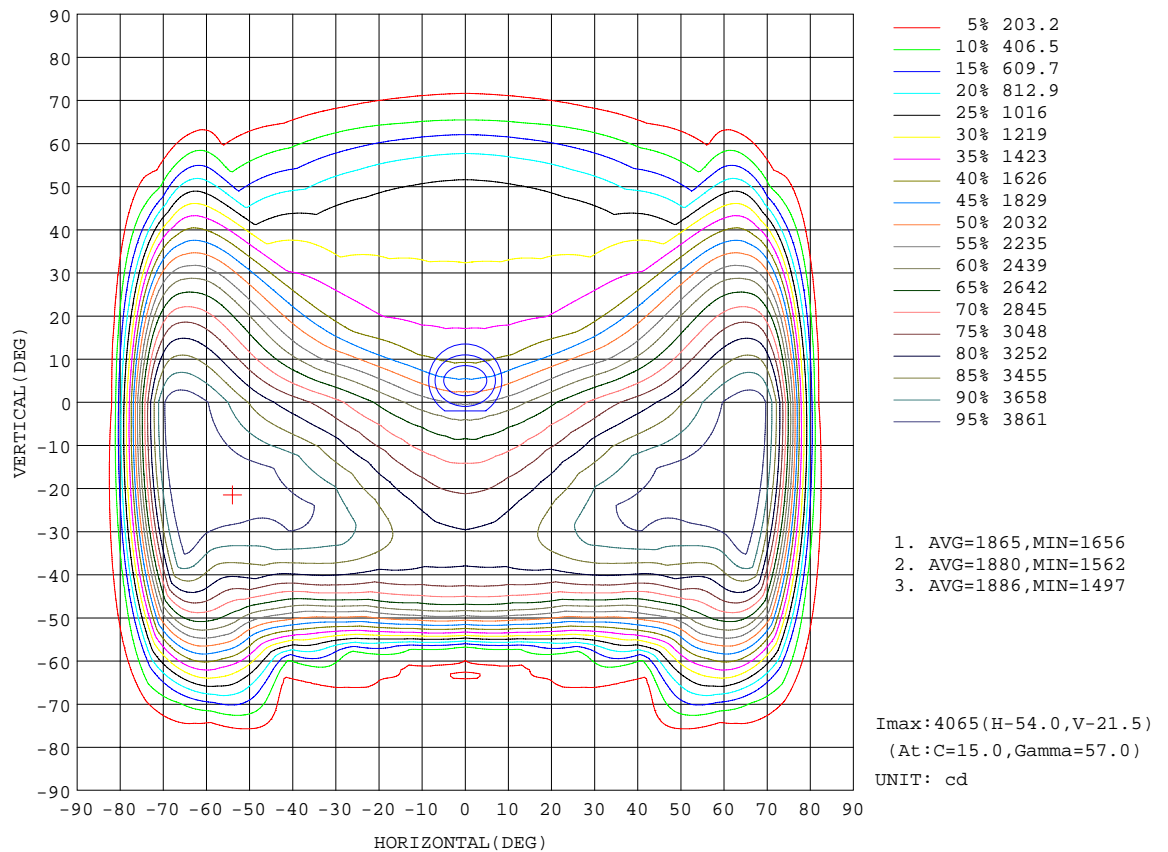
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	2325	2632	2698	2632	2325	1784	1590	1784	0- 10	210.6	210.6	2.21,2.21
20	2590	3023	3007	3023	2590	1542	1370	1542	10- 20	647.3	857.9	8.98,8.98
30	2880	3432	3250	3432	2880	1392	1238	1392	20- 30	1117	1974	20.7,20.7
40	3125	3677	3174	3677	3125	1271	1166	1271	30- 40	1585	3560	37.3,37.3
50	3420	3251	2137	3251	3420	1113	1052	1113	40- 50	1915	5475	57.3,57.3
60	3853	1913	201.9	1913	3853	759.3	711.8	759.3	50- 60	1815	7290	76.3,76.3
70	3804	215.7	156.8	215.7	3804	259.8	242.3	259.8	60- 70	1395	8685	91,91
80	729.8	121.8	76.37	121.8	729.8	80.11	103.7	80.11	70- 80	776.1	9462	99.1,99.1
90	0	0	0	0	0	0	0	0	80- 90	87.31	9549	100,100
100	0	0	0	0	0	0	0	0	90-100	0	9549	100,100
110	0	0	0	0	0	0	0	0	100-110	0	9549	100,100
120	0	0	0	0	0	0	0	0	110-120	0	9549	100,100
130	0	0	0	0	0	0	0	0	120-130	0	9549	100,100
140	0	0	0	0	0	0	0	0	130-140	0	9549	100,100
150	0	0	0	0	0	0	0	0	140-150	0	9549	100,100
160	0	0	0	0	0	0	0	0	150-160	0	9549	100,100
170	0	0	0	0	0	0	0	0	160-170	0	9549	100,100
180	0	0	0	0	0	0	0	0	170-180	0	9549	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:2020-10-30

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

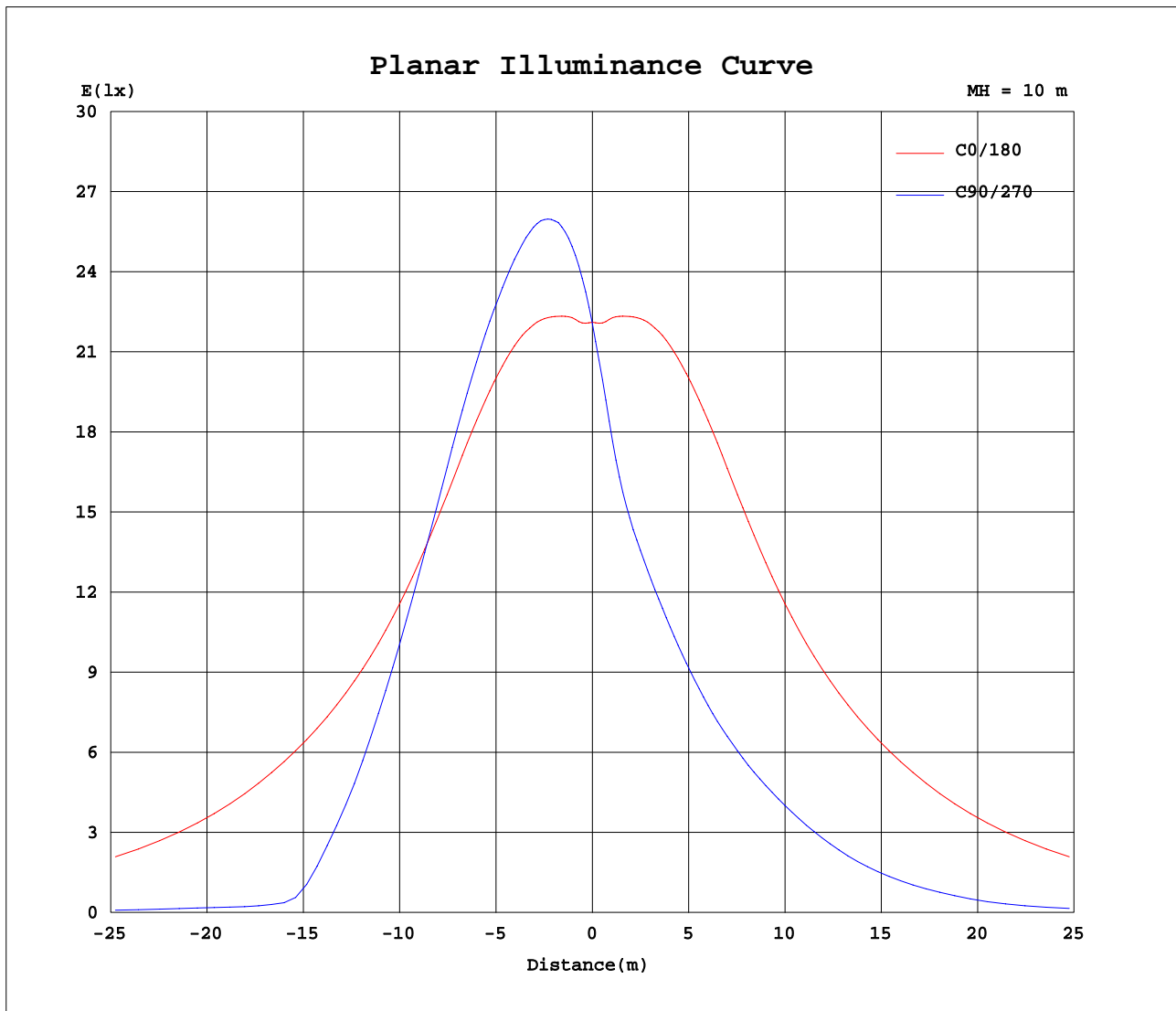
Test:U:43.90V I:1.135A P:49.83W PF:1.000 Freq:0Hz Lamp Flux:9548.88x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-50WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-10-30

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



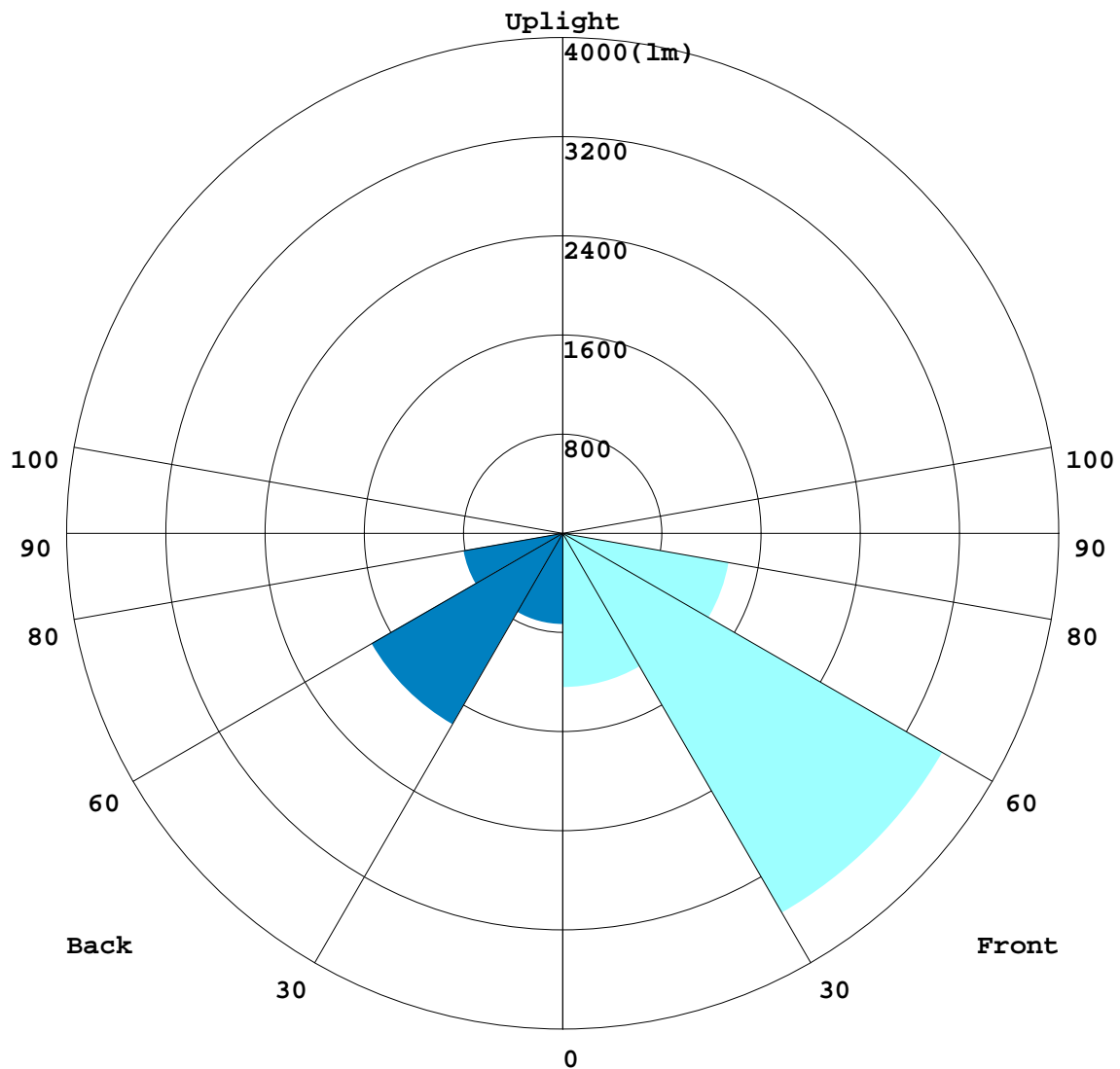
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-10-30

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:43.90V I:1.135A P:49.83W PF:1.000 Freq:0Hz Lamp Flux:9548.88x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-50WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-10-30

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:43.90V I:1.135A P:49.83W PF:1.000 Freq:0Hz Lamp Flux:9548.88x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-50WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1241.6	13.0
FM - Front-Medium(30-60)	3536.1	37.0
FH - Front-High(60-80)	1360.4	14.2
FVH - Front-Very High(80-90)	60.358	0.6
Total Forward Light	6198.5	64.9

BL - Back-Low(0-30)	732.85	7.7
BM - Back-Medium(30-60)	1779.5	18.6
BH - Back-High(60-80)	811.1	8.5
BVH - Back-Very High(80-90)	26.954	0.3
Total Back Light	3350.4	35.1

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
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3350.4	0	3350.4
Street Side	6198.5	0	6198.5

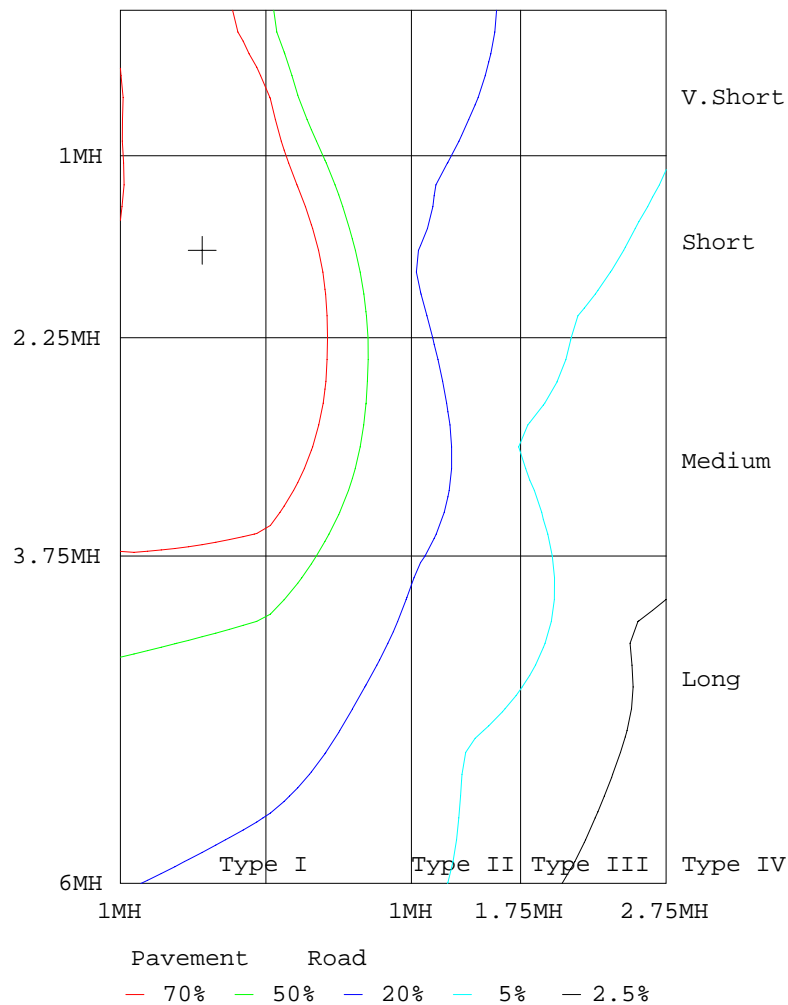
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-10-30

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:43.90V I:1.135A P:49.83W PF:1.000 Freq:0Hz Lamp Flux:9548.88x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-50WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-10-30

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:43.90V I:1.135A P:49.83W PF:1.000 Freq:0Hz Lamp Flux:9548.88x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-50WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

Table--1

UNIT: cd

C(DEC) γ (DEC)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	2198	2198	2198	2198	2198	2198	2198	2198	2198	2198	2198	2198	2198	2198	2198	2198	2198	2198	2198
5	2234	2307	2373	2416	2445	2474	2483	2474	2445	2416	2373	2307	2234	2143	2052	1975	1911	1868	1856
10	2325	2462	2565	2632	2665	2684	2698	2684	2665	2632	2565	2462	2325	2156	1959	1784	1665	1610	1590
15	2448	2631	2755	2827	2853	2868	2866	2868	2853	2827	2755	2631	2448	2197	1887	1646	1527	1480	1461
20	2590	2822	2958	3023	3031	3026	3007	3026	3031	3023	2958	2822	2590	2241	1809	1542	1432	1389	1370
25	2734	3016	3175	3233	3203	3167	3135	3167	3203	3233	3175	3016	2734	2271	1711	1460	1356	1315	1296
30	2880	3222	3401	3432	3354	3284	3250	3284	3354	3432	3401	3222	2880	2265	1639	1392	1294	1258	1238
35	3009	3427	3617	3596	3432	3322	3290	3322	3432	3596	3617	3427	3009	2251	1594	1335	1243	1214	1197
40	3125	3629	3797	3677	3362	3220	3174	3220	3362	3677	3797	3629	3125	2296	1555	1271	1194	1177	1166
45	3252	3803	3891	3566	3089	2917	2835	2917	3089	3566	3891	3803	3252	2379	1504	1204	1137	1135	1130
50	3420	3945	3805	3251	2604	2305	2137	2305	2604	3251	3805	3945	3420	2486	1418	1113	1055	1055	1052
55	3636	4035	3560	2689	1782	1240	920	1240	1782	2689	3560	4035	3636	2575	1268	968	915	907	908
60	3853	4016	3235	1913	665	279	202	279	665	1913	3235	4016	3853	2594	1030	759	717	708	712
65	3975	3934	2716	950	209	201	198	201	209	950	2716	3934	3975	2427	712	510	477	437	429
70	3804	3840	2191	216	184	163	157	163	184	216	2191	3840	3804	1962	379	260	242	232	242
75	2580	2940	1387	178	123	97.5	96.5	97.5	123	178	1387	2940	2580	1031	160	140	144	140	140
80	730	1244	504	122	73.3	77.5	76.4	77.5	73.3	122	504	1244	730	144	81.2	80.1	96.9	104	104
85	55.9	105	62.3	44.7	50.0	58.1	55.4	58.1	50.0	44.7	62.3	105	55.9	29.1	26.4	39.3	53.7	56.1	56.8
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:2020-10-30

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:43.90V I:1.135A P:49.83W PF:1.000 Freq:0Hz Lamp Flux:9548.88x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-50WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345													
0	2198	2198	2198	2198	2198													
5	1868	1911	1975	2052	2143													
10	1610	1665	1784	1959	2156													
15	1480	1527	1646	1887	2197													
20	1389	1432	1542	1809	2241													
25	1315	1356	1460	1711	2271													
30	1258	1294	1392	1639	2265													
35	1214	1243	1335	1594	2251													
40	1177	1194	1271	1555	2296													
45	1135	1137	1204	1504	2379													
50	1055	1055	1113	1418	2486													
55	907	915	968	1268	2575													
60	708	717	759	1030	2594													
65	437	477	510	712	2427													
70	232	242	260	379	1962													
75	140	144	140	160	1031													
80	104	96.9	80.1	81.2	144													
85	56.1	53.7	39.3	26.4	29.1													
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:2020-10-30

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: