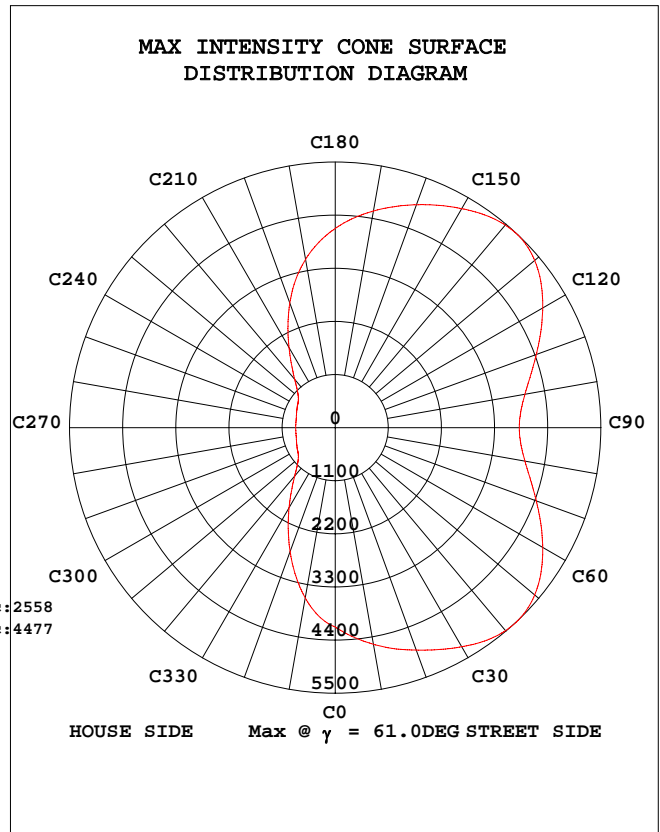
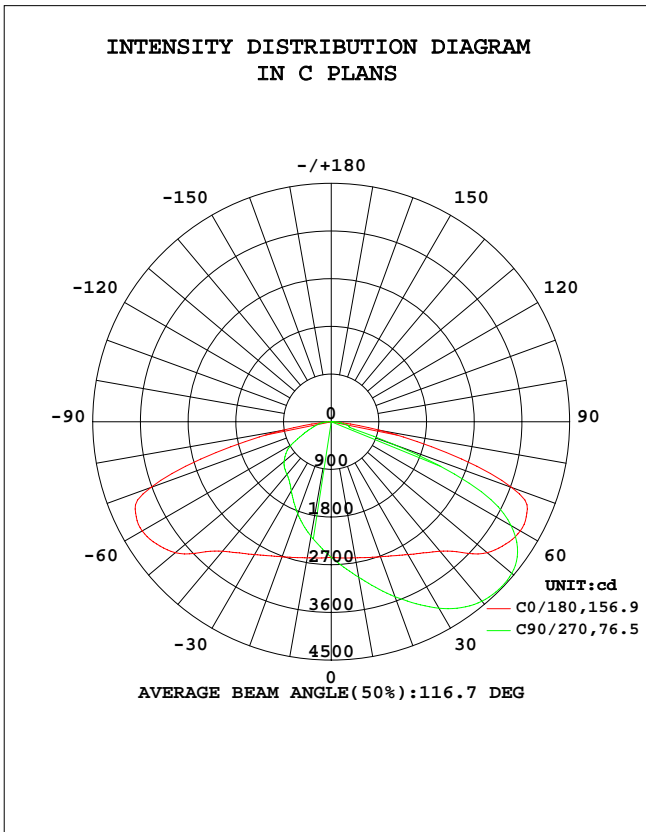


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:44.25V I:1.810A P:80.09W PF:1.000 Freq:0Hz Lamp Flux:14362.9x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-80WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 179.33 lm/W			
MODEL	5050	I <sub>max</sub> (cd)	5491	η street_up(%)	0.0
NOMINAL POWER(W)	80	LOR(%)	100.0	η street_down(%)	69.3
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	14363	η house_up(%)	0.0
NOMINAL FLUX(lm)	14362.9	MAXIMUM @(C,γ )	45,61.0	η house_down(%)	30.7
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	21.621

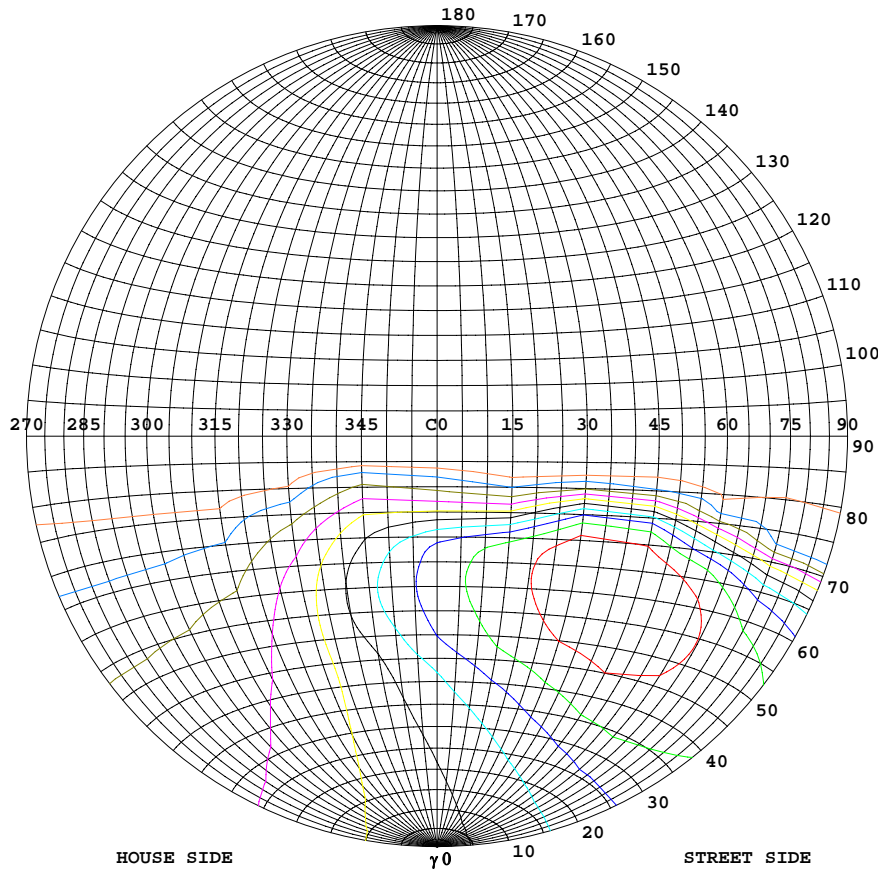


C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-12-18

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:

**STREETLIGHT ISOCANDELA DIAGRAM**

Test:U:44.25V I:1.810A P:80.09W PF:1.000 Freq:0Hz Lamp Flux:14362.9x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-80WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:



**Classification:**

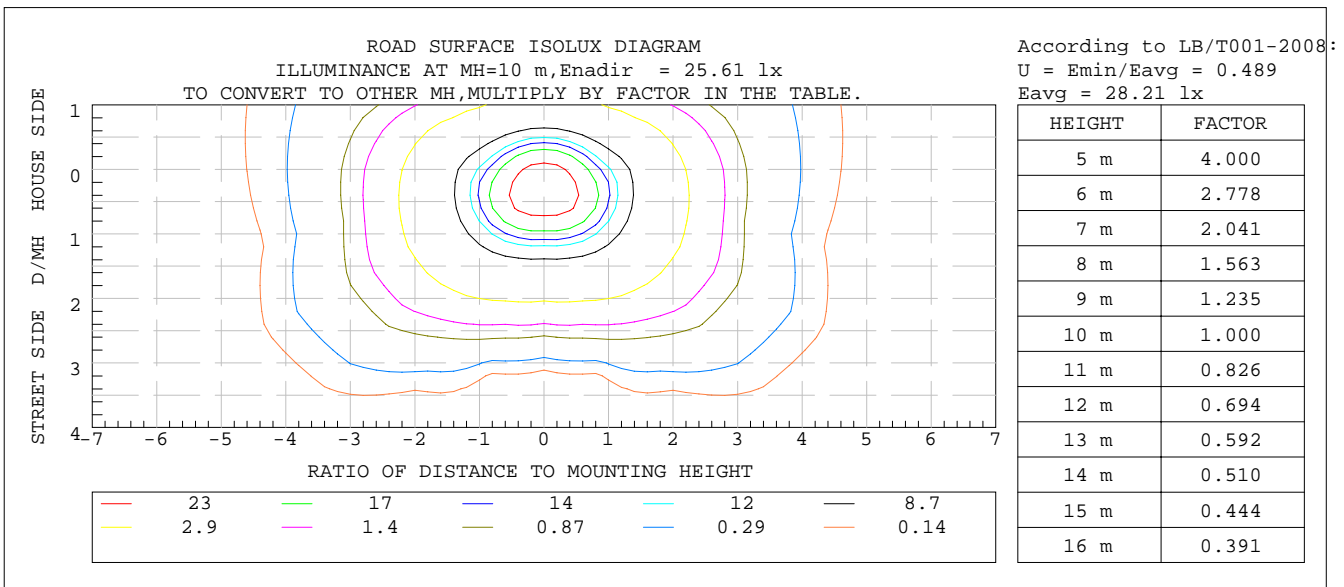
IES:Type IV - Short  
 CIE:Broad - Intermediate  
 IES:Full cut-off  
 CIE:Semi-cut-off  
 Max.At80:84.80cd/klm  
 Max.At90:0cd/klm  
 Max.80-90:84.80cd/klm  
 NRB 5101:Semi limited[19.6%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	5491
90%	4942
80%	4393
70%	3844
60%	3295
50%	2746
40%	2196
30%	1647
20%	1098
10%	549
5%	275

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.682m [K=1.0000]  
Remarks:

**ZONAL FLUX DIAGRAM**

Test:U:44.25V I:1.810A P:80.09W PF:1.000 Freq:0Hz Lamp Flux:14362.9x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-80WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:

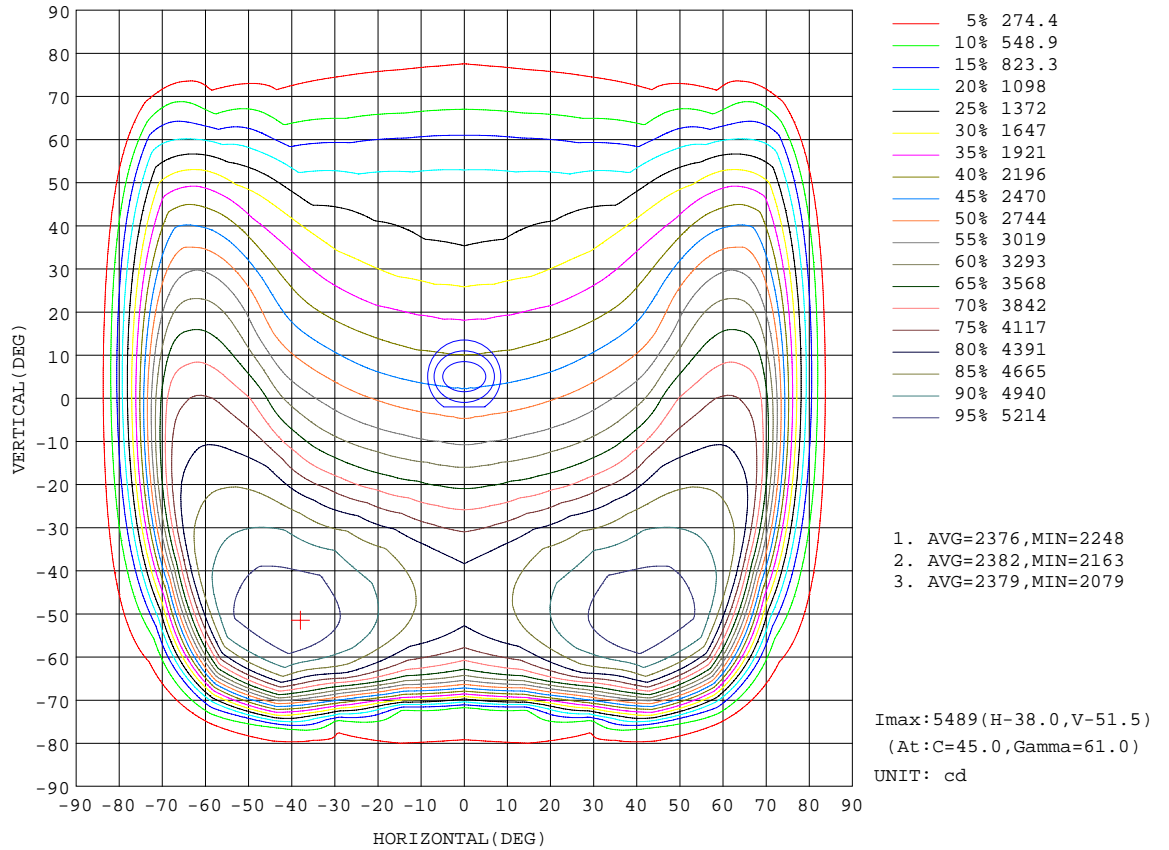
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	2609	2890	2980	2890	2609	2324	2194	2324	0- 10	246.7	246.7	1.72,1.72
20	2713	3316	3513	3316	2713	2117	1850	2117	10- 20	753.4	1000	6.96,6.96
30	2896	3921	4063	3921	2896	1909	1509	1909	20- 30	1293	2293	16,16
40	3191	4657	4422	4657	3191	1718	1300	1718	30- 40	1884	4177	29.1,29.1
50	3843	5172	4448	5172	3843	1516	1160	1516	40- 50	2500	6676	46.5,46.5
60	4120	5488	3919	5488	4120	1162	872.1	1162	50- 60	2993	9669	67.3,67.3
70	3619	4912	1252	4912	3619	578.7	449.5	578.7	60- 70	2968	12637	88,88
80	933.6	624.0	247.6	624.0	933.6	184.8	233.3	184.8	70- 80	1548	14185	98.8,98.8
90	0	0	0	0	0	0	0	0	80- 90	178.3	14363	100,100
100	0	0	0	0	0	0	0	0	90-100	0	14363	100,100
110	0	0	0	0	0	0	0	0	100-110	0	14363	100,100
120	0	0	0	0	0	0	0	0	110-120	0	14363	100,100
130	0	0	0	0	0	0	0	0	120-130	0	14363	100,100
140	0	0	0	0	0	0	0	0	130-140	0	14363	100,100
150	0	0	0	0	0	0	0	0	140-150	0	14363	100,100
160	0	0	0	0	0	0	0	0	150-160	0	14363	100,100
170	0	0	0	0	0	0	0	0	160-170	0	14363	100,100
180	0	0	0	0	0	0	0	0	170-180	0	14363	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 GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

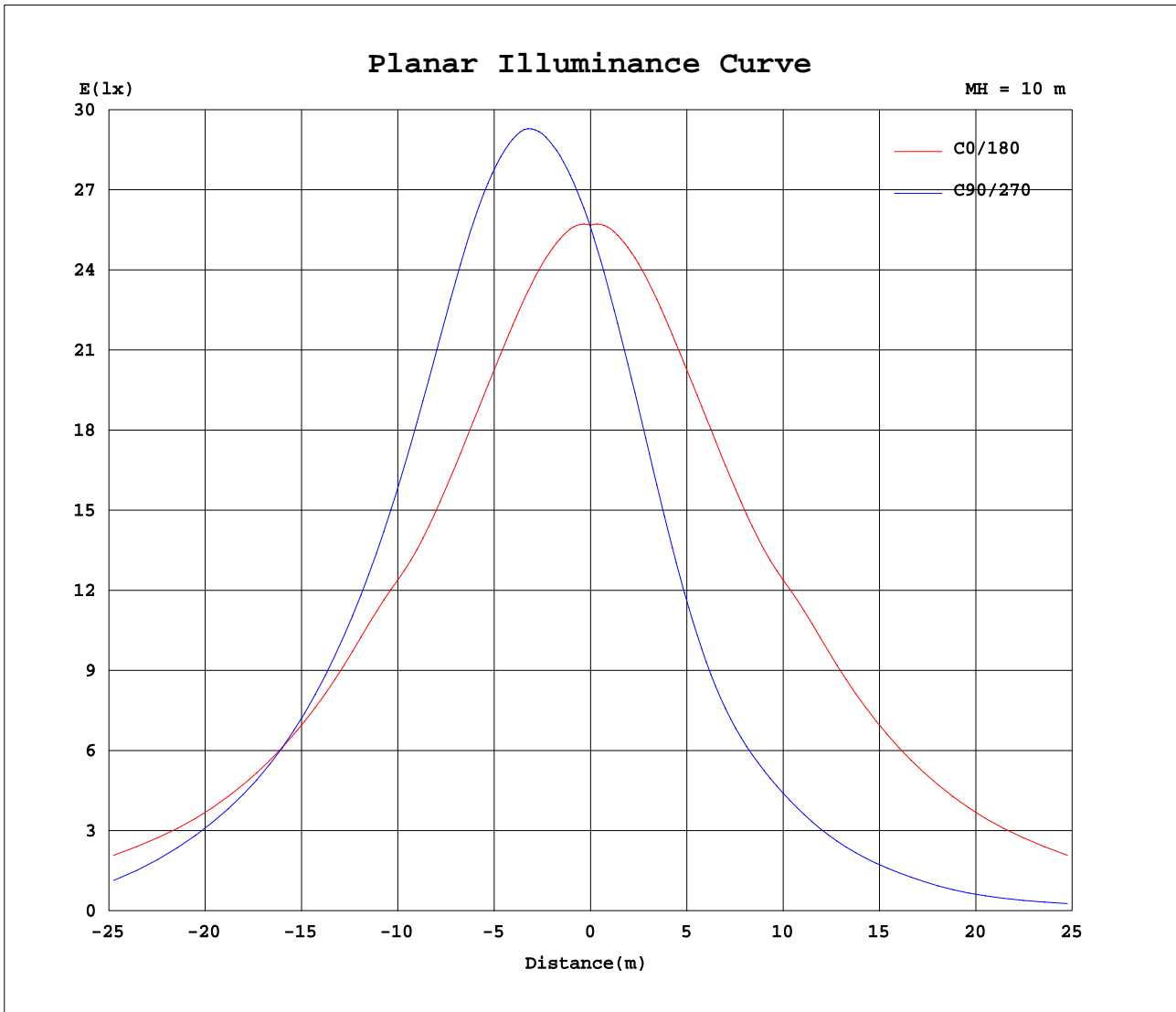
Test:U:44.25V I:1.810A P:80.09W PF:1.000 Freq:0Hz Lamp Flux:14362.9x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-80WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:



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 GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



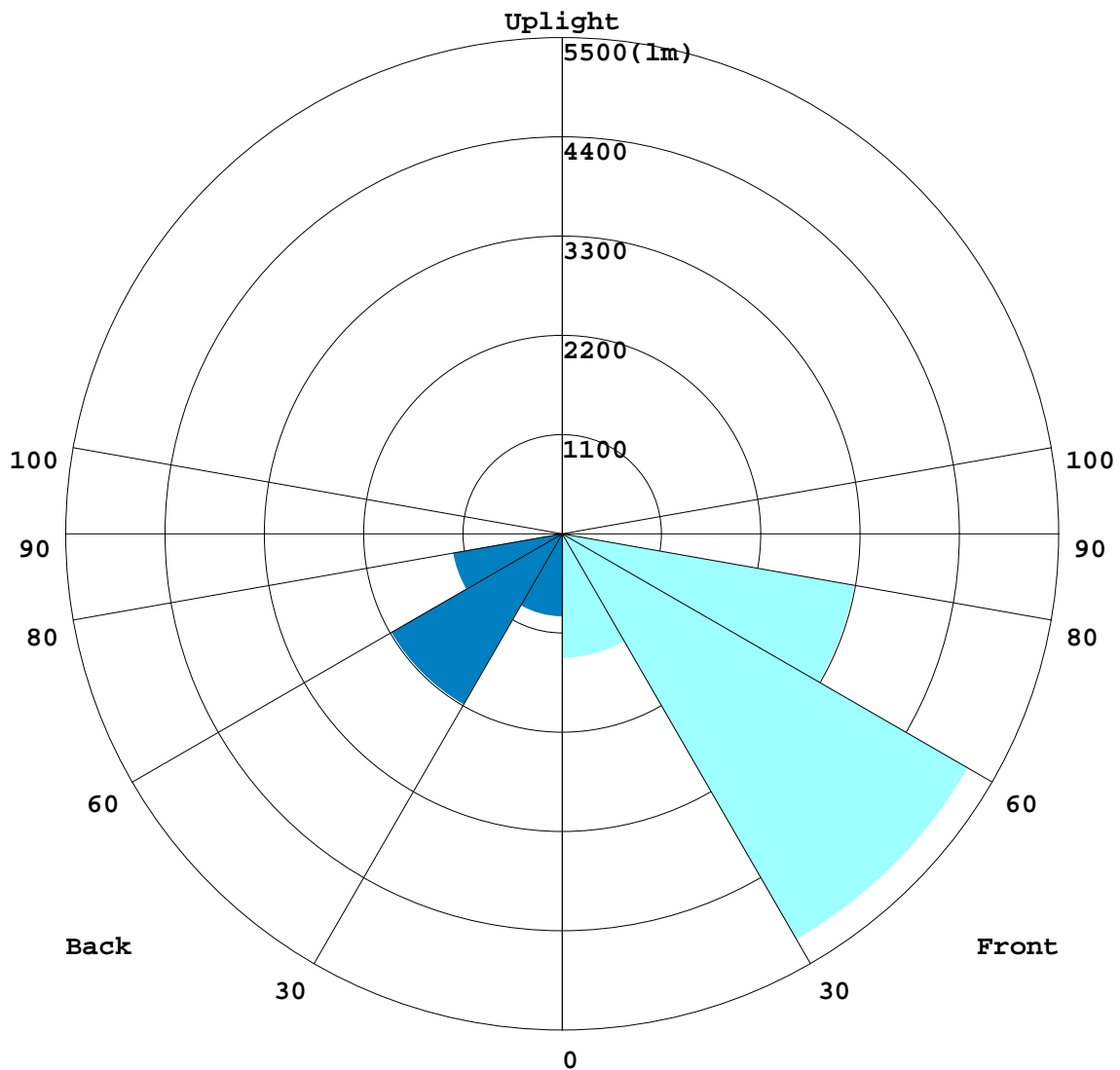
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2020-12-18

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 7.682m [K=1.0000]  
 Remarks:

**LCS REPORT**

Test:U:44.25V I:1.810A P:80.09W PF:1.000 Freq:0Hz Lamp Flux:14362.9x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-80WSE-DC-L5-00-5070-T304-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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:

**BUG REPORT**

Test:U:44.25V I:1.810A P:80.09W PF:1.000 Freq:0Hz Lamp Flux:14362.9x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-80WSE-DC-L5-00-5070-T304-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)	1376.2	9.6
FM - Front-Medium(30-60)	5191.4	36.1
FH - Front-High(60-80)	3288.3	22.9
FVH - Front-Very High(80-90)	93.548	0.7
Total Forward Light	9949.4	69.3

BL - Back-Low(0-30)	916.79	6.4
BM - Back-Medium(30-60)	2185.1	15.2
BH - Back-High(60-80)	1226.9	8.5
BVH - Back-Very High(80-90)	84.772	0.6
Total Back Light	4413.5	30.7

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	4413.5	0	4413.5
Street Side	9949.4	0	9949.4

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

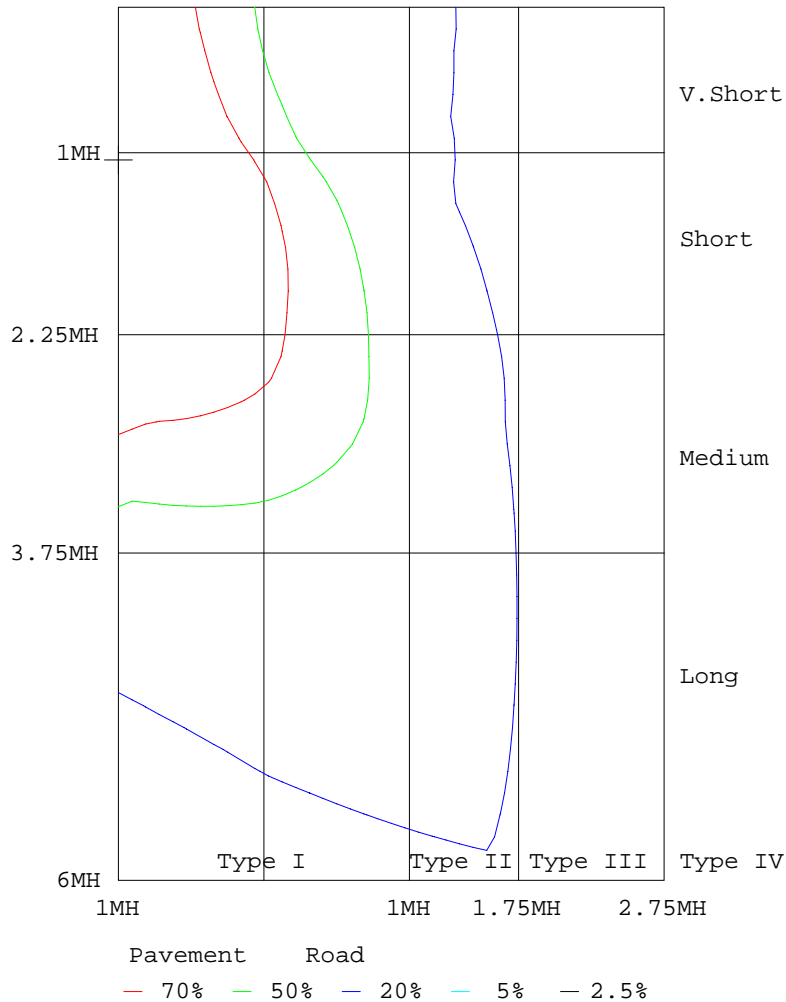
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:



ROAD ISOCANDELA REPORT

Test:U:44.25V I:1.810A P:80.09W PF:1.000 Freq:0Hz Lamp Flux:14362.9x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-80WSE-DC-L5-00-5070-T304-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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:44.25V I:1.810A P:80.09W PF:1.000 Freq:0Hz Lamp Flux:14362.9x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-80WSE-DC-L5-00-5070-T304-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	2558	2558	2558	2558	2558	2558	2558	2558	2558	2558	2558	2558	2558	2558	2558	2558	2558	2558	2558
5	2582	2631	2675	2717	2738	2758	2756	2758	2738	2717	2675	2631	2582	2530	2482	2439	2405	2381	2370
10	2609	2713	2806	2890	2943	2980	2980	2980	2943	2890	2806	2713	2609	2506	2408	2324	2259	2215	2194
15	2654	2812	2959	3087	3178	3235	3235	3235	3178	3087	2959	2812	2654	2493	2345	2217	2122	2056	2026
20	2713	2930	3135	3316	3446	3516	3513	3516	3446	3316	3135	2930	2713	2492	2288	2117	1982	1890	1850
25	2791	3072	3342	3586	3748	3811	3789	3811	3748	3586	3342	3072	2791	2503	2240	2015	1838	1723	1673
30	2896	3243	3590	3921	4095	4119	4063	4119	4095	3921	3590	3243	2896	2530	2195	1909	1696	1563	1509
35	3023	3462	3924	4308	4443	4392	4284	4392	4443	4308	3924	3462	3023	2568	2146	1808	1564	1428	1378
40	3191	3785	4287	4657	4705	4562	4422	4562	4705	4657	4287	3785	3191	2614	2103	1718	1462	1346	1300
45	3491	4191	4636	4939	4871	4649	4475	4649	4871	4939	4636	4191	3491	2707	2080	1630	1377	1281	1244
50	3843	4489	4932	5172	5004	4672	4448	4672	5004	5172	4932	4489	3843	2907	2069	1516	1269	1185	1160
55	4022	4646	5122	5377	5086	4587	4293	4587	5086	5377	5122	4646	4022	3120	2032	1359	1127	1058	1045
60	4120	4733	5226	5488	5006	4280	3919	4280	5006	5488	5226	4733	4120	3182	1943	1162	949	883	872
65	4074	4713	5250	5379	4646	3609	3128	3609	4646	5379	5250	4713	4074	3054	1755	914	701	633	622
70	3619	4178	5048	4912	3400	1946	1252	1946	3400	4912	5048	4178	3619	2725	1420	579	455	439	450
75	2249	2310	3802	3404	1233	351	345	351	1233	3404	3802	2310	2249	2136	866	333	307	313	327
80	934	538	1030	624	260	285	248	285	260	624	1030	538	934	1218	300	185	206	229	233
85	132	75.2	131	189	169	149	136	149	169	189	131	75.2	132	186	68.0	77.9	109	133	134
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 GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:44.25V I:1.810A P:80.09W PF:1.000 Freq:0Hz Lamp Flux:14362.9x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-80WSE-DC-L5-00-5070-T304-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	2558	2558	2558	2558	2558														
5	2381	2405	2439	2482	2530														
10	2215	2259	2324	2408	2506														
15	2056	2122	2217	2345	2493														
20	1890	1982	2117	2288	2492														
25	1723	1838	2015	2240	2503														
30	1563	1696	1909	2195	2530														
35	1428	1564	1808	2146	2568														
40	1346	1462	1718	2103	2614														
45	1281	1377	1630	2080	2707														
50	1185	1269	1516	2069	2907														
55	1058	1127	1359	2032	3120														
60	883	949	1162	1943	3182														
65	633	701	914	1755	3054														
70	439	455	579	1420	2725														
75	313	307	333	866	2136														
80	229	206	185	300	1218														
85	133	109	77.9	68.0	186														
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 GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks: