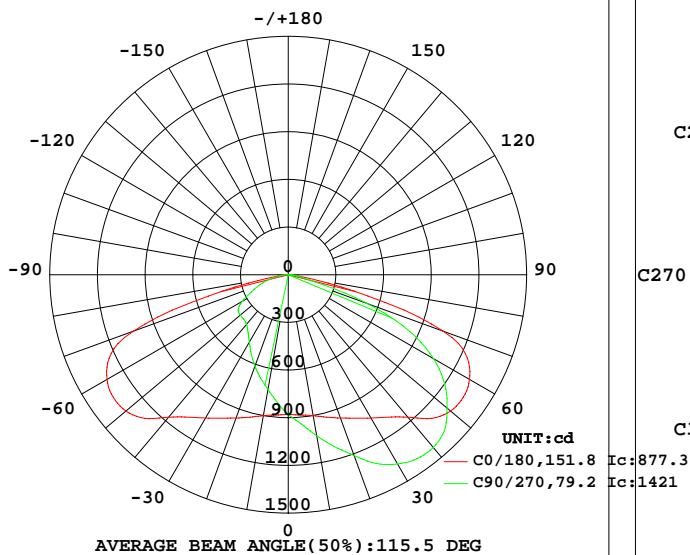
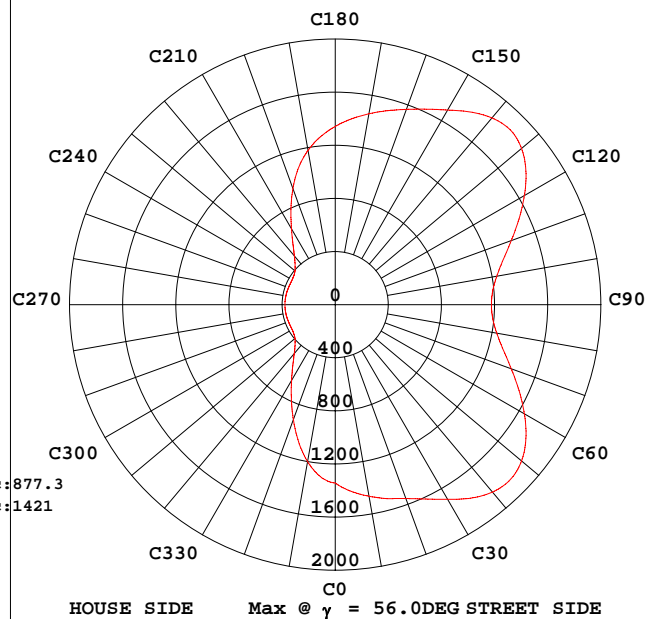


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:43.62V I:0.5729A P:24.99W PF:1.000 Freq:0Hz Lamp Flux:4740.86x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-25WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 189.73 lm/W			
MODEL	5050	I _{max} (cd)	1864	η street_up(%)	0.0
NOMINAL POWER(W)	25	LOR(%)	100.0	η street_down(%)	69.4
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	4741	η house_up(%)	0.0
NOMINAL FLUX(lm)	4740.86	MAXIMUM @(C,γ)	135,56.0	η house_down(%)	30.6
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	18.624

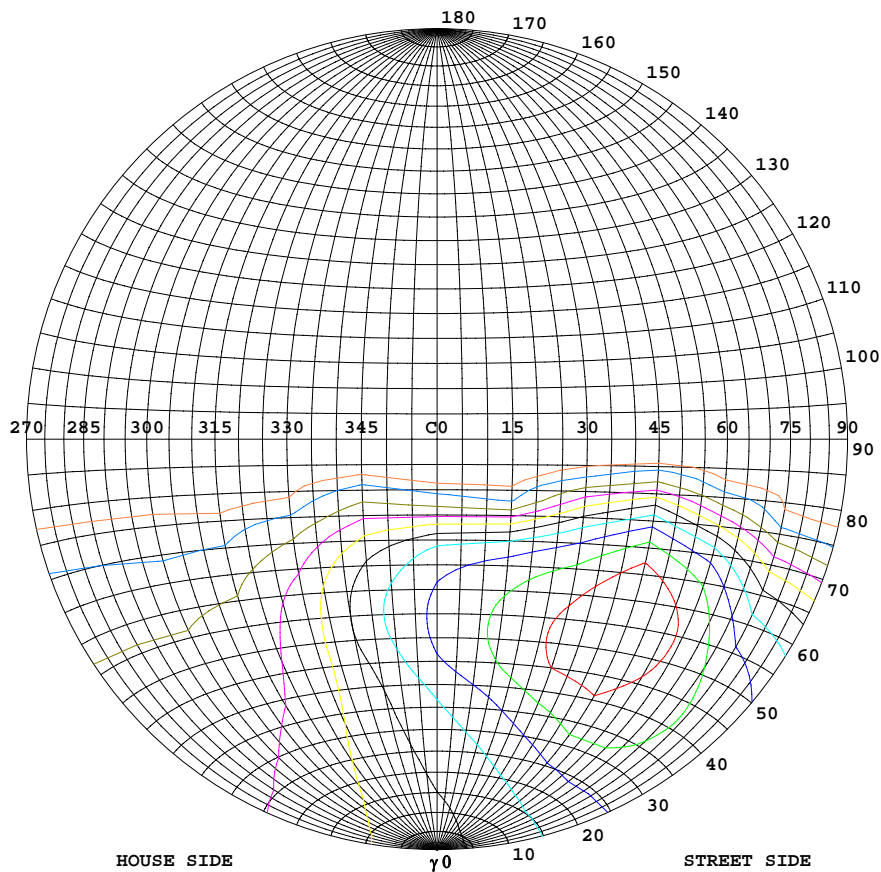
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:43.62V I:0.5729A P:24.99W PF:1.000 Freq:0Hz Lamp Flux:4740.86x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-25WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:



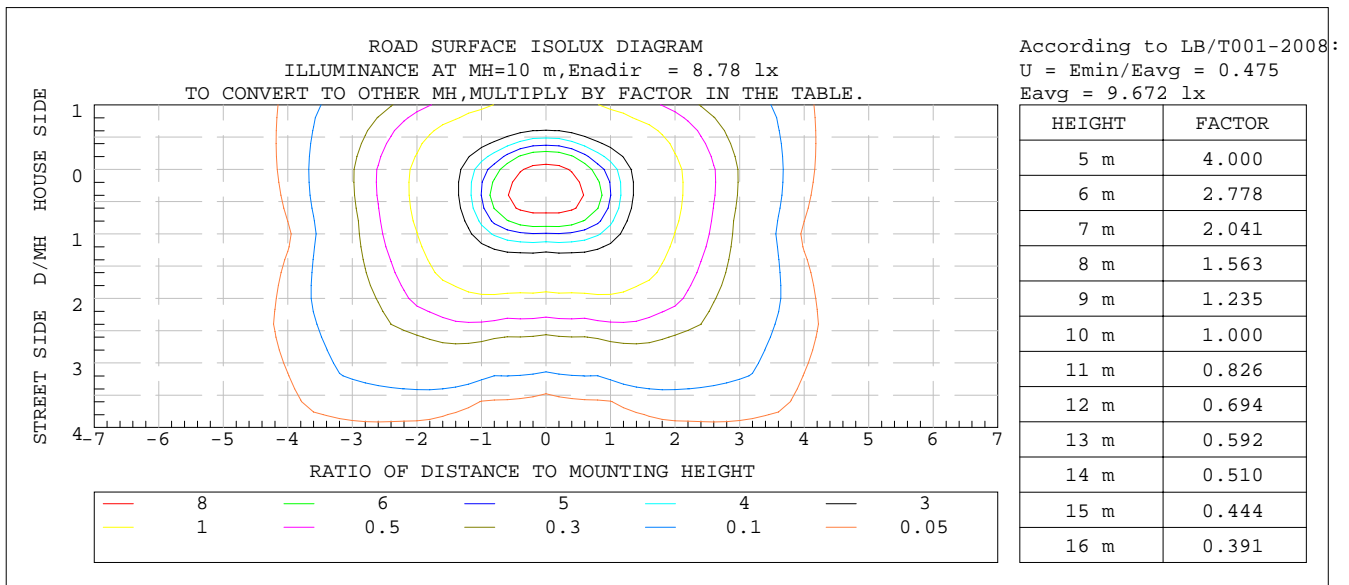
Classification:

IES:Type IV - Short
 CIE:Broad - Short
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:138.6cd/klm
 Max.At90:0cd/klm
 Max.80-90:138.6cd/klm
 NRB 5101:Semi limited[16.0%]

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	1864
90%	1677
80%	1491
70%	1305
60%	1118
50%	932
40%	746
30%	559
20%	373
10%	186
5%	93

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:43.62V I:0.5729A P:24.99W PF:1.000 Freq:0Hz Lamp Flux:4740.86x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-25WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:

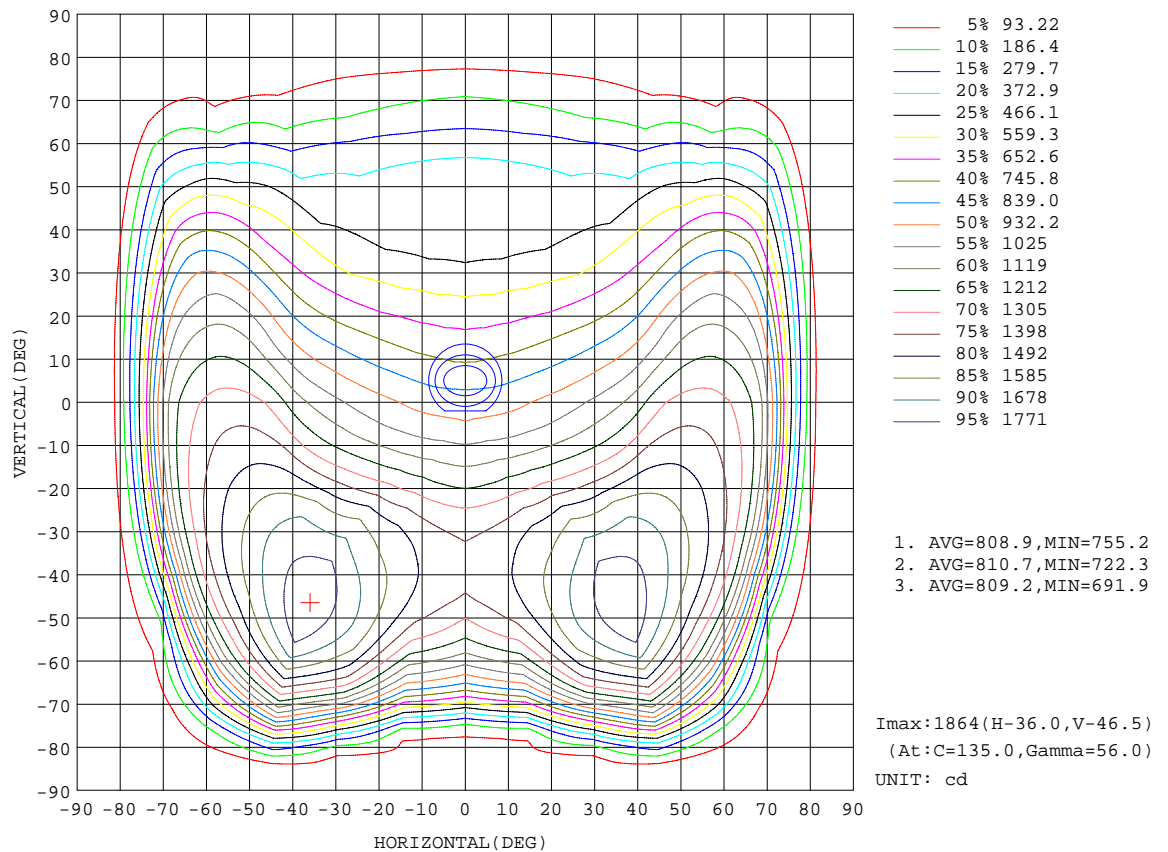
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	900.6	994.7	1028	994.7	900.6	791.6	733.6	791.6	0- 10	84.47	84.47	1.78,1.78
20	959.6	1174	1211	1174	959.6	719.2	612.9	719.2	10- 20	260.1	344.6	7.27,7.27
30	1041	1420	1375	1420	1041	640.2	490.7	640.2	20- 30	451.6	796.2	16.8,16.8
40	1170	1663	1419	1663	1170	550.7	409.0	550.7	30- 40	652.7	1449	30.6,30.6
50	1334	1823	1305	1823	1334	477.3	395.0	477.3	40- 50	849.5	2298	48.5,48.5
60	1316	1844	1054	1844	1316	385.6	334.6	385.6	50- 60	976.5	3275	69.1,69.1
70	1034	1551	523.9	1551	1034	195.8	196.9	195.8	60- 70	911.8	4187	88.3,88.3
80	142.4	657.1	69.65	657.1	142.4	62.97	60.02	62.97	70- 80	485.4	4672	98.5,98.5
90	0	0	0	0	0	0	0	0	80- 90	68.83	4741	100,100
100	0	0	0	0	0	0	0	0	90-100	0	4741	100,100
110	0	0	0	0	0	0	0	0	100-110	0	4741	100,100
120	0	0	0	0	0	0	0	0	110-120	0	4741	100,100
130	0	0	0	0	0	0	0	0	120-130	0	4741	100,100
140	0	0	0	0	0	0	0	0	130-140	0	4741	100,100
150	0	0	0	0	0	0	0	0	140-150	0	4741	100,100
160	0	0	0	0	0	0	0	0	150-160	0	4741	100,100
170	0	0	0	0	0	0	0	0	160-170	0	4741	100,100
180	0	0	0	0	0	0	0	0	170-180	0	4741	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

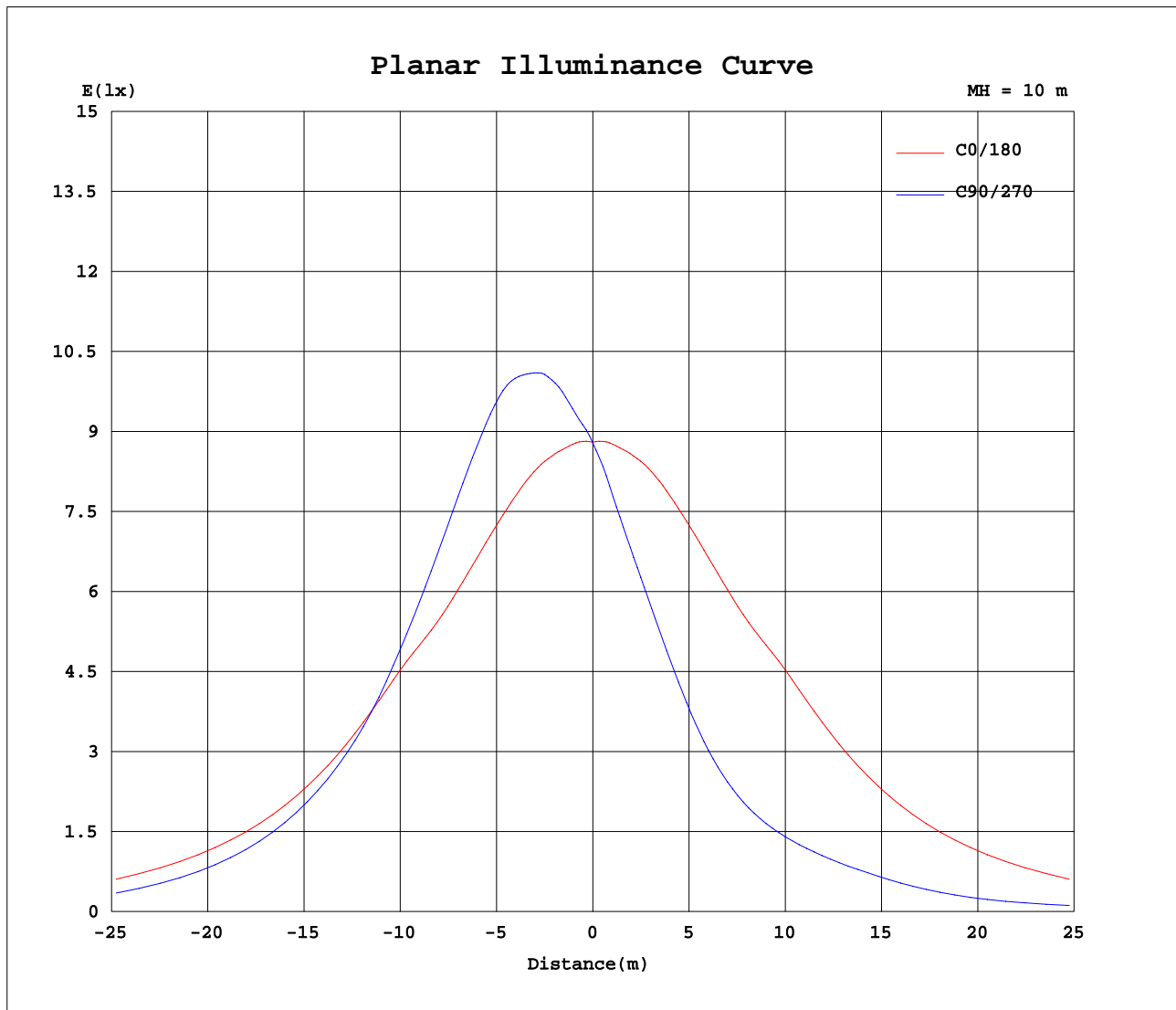
Test:U:43.62V I:0.5729A P:24.99W PF:1.000 Freq:0Hz Lamp Flux:4740.86x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-25WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:



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



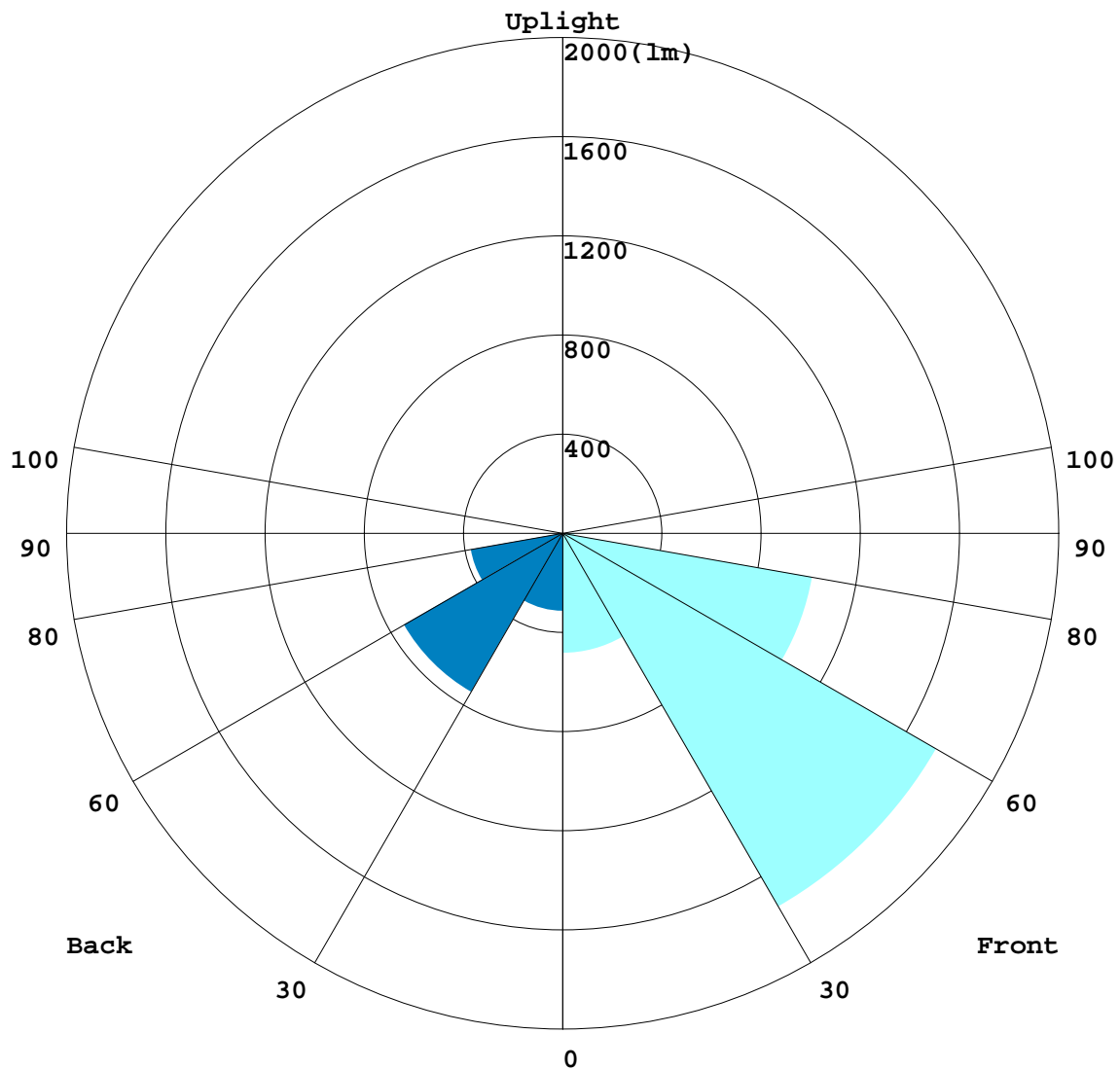
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-08-13

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:43.62V I:0.5729A P:24.99W PF:1.000 Freq:0Hz Lamp Flux:4740.86x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-25WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	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:43.62V I:0.5729A P:24.99W PF:1.000 Freq:0Hz Lamp Flux:4740.86x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-25WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	482.66	10.2
FM - Front-Medium(30-60)	1739.6	36.7
FH - Front-High(60-80)	1021.4	21.5
FVH - Front-Very High(80-90)	48.064	1.0
Total Forward Light	3291.7	69.4

BL - Back-Low(0-30)	313.55	6.6
BM - Back-Medium(30-60)	738.99	15.6
BH - Back-High(60-80)	375.85	7.9
BVH - Back-Very High(80-90)	20.763	0.4
Total Back Light	1449.2	30.6

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	B1-U0-G1
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1449.2	0	1449.2
Street Side	3291.7	0	3291.7

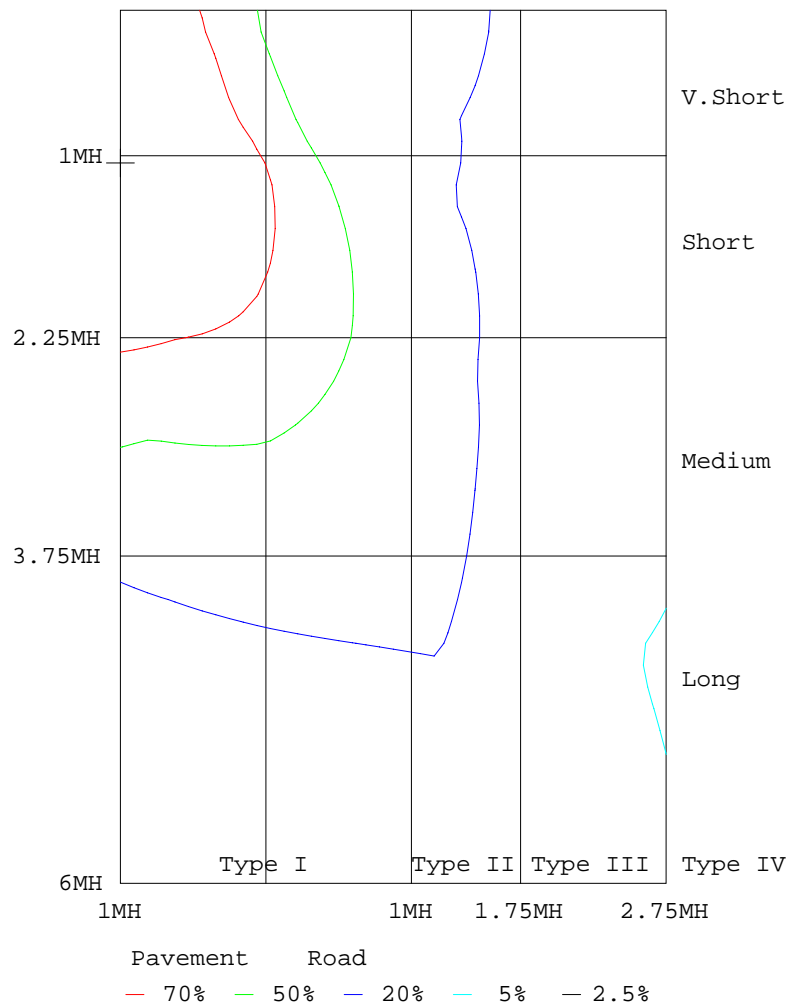
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-08-13

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:43.62V I:0.5729A P:24.99W PF:1.000 Freq:0Hz Lamp Flux:4740.86x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-25WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	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:43.62V I:0.5729A P:24.99W PF:1.000 Freq:0Hz Lamp Flux:4740.86x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-25WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	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	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877
5	886	903	918	930	938	943	942	943	938	930	918	903	886	869	852	835	821	810	806
10	901	933	963	995	1019	1029	1028	1029	1019	995	963	933	901	865	826	792	763	743	734
15	928	974	1027	1075	1110	1123	1119	1123	1110	1075	1027	974	928	872	810	755	713	686	673
20	960	1027	1103	1174	1213	1218	1211	1218	1213	1174	1103	1027	960	879	794	719	664	628	613
25	996	1089	1193	1288	1328	1325	1310	1325	1328	1288	1193	1089	996	889	777	681	613	569	551
30	1041	1162	1294	1420	1444	1409	1375	1409	1444	1420	1294	1162	1041	902	760	640	558	510	491
35	1094	1246	1417	1563	1530	1458	1413	1458	1530	1563	1417	1246	1094	917	738	593	505	459	441
40	1170	1363	1567	1663	1573	1479	1419	1479	1573	1663	1567	1363	1170	941	715	551	462	423	409
45	1277	1479	1673	1741	1620	1472	1389	1472	1620	1741	1673	1479	1277	985	696	512	431	405	397
50	1334	1521	1715	1823	1645	1430	1305	1430	1645	1823	1715	1521	1334	1047	683	477	407	396	395
55	1344	1518	1701	1863	1648	1335	1202	1335	1648	1863	1701	1518	1344	1070	664	438	382	383	386
60	1316	1473	1638	1844	1598	1185	1054	1185	1598	1844	1638	1473	1316	1044	624	386	342	334	335
65	1243	1373	1514	1751	1466	978	844	978	1466	1751	1514	1373	1243	958	541	309	257	249	257
70	1034	1108	1305	1551	1210	667	524	667	1210	1551	1305	1108	1034	790	401	196	172	186	197
75	520	520	952	1216	751	267	167	267	751	1216	952	520	520	531	206	112	114	123	135
80	142	110	449	657	255	86.0	69.6	86.0	255	657	449	110	142	244	76.7	63.0	60.7	63.2	60.0
85	16.8	24.9	84.8	130	58.1	44.5	34.5	44.5	58.1	130	84.8	24.9	16.8	39.6	26.5	27.7	34.8	39.6	40.1
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:43.62V I:0.5729A P:24.99W PF:1.000 Freq:0Hz Lamp Flux:4740.86x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-25WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC)	285	300	315	330	345														
γ (DEC)																			
0	877	877	877	877	877														
5	810	821	835	852	869														
10	743	763	792	826	865														
15	686	713	755	810	872														
20	628	664	719	794	879														
25	569	613	681	777	889														
30	510	558	640	760	902														
35	459	505	593	738	917														
40	423	462	551	715	941														
45	405	431	512	696	985														
50	396	407	477	683	1047														
55	383	382	438	664	1070														
60	334	342	386	624	1044														
65	249	257	309	541	958														
70	186	172	196	401	790														
75	123	114	112	206	531														
80	63.2	60.7	63.0	76.7	244														
85	39.6	34.8	27.7	26.5	39.6														
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:2020-08-13

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