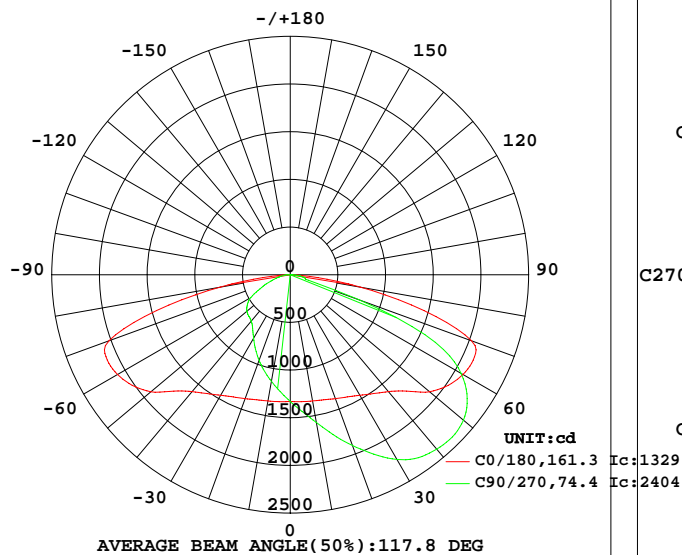
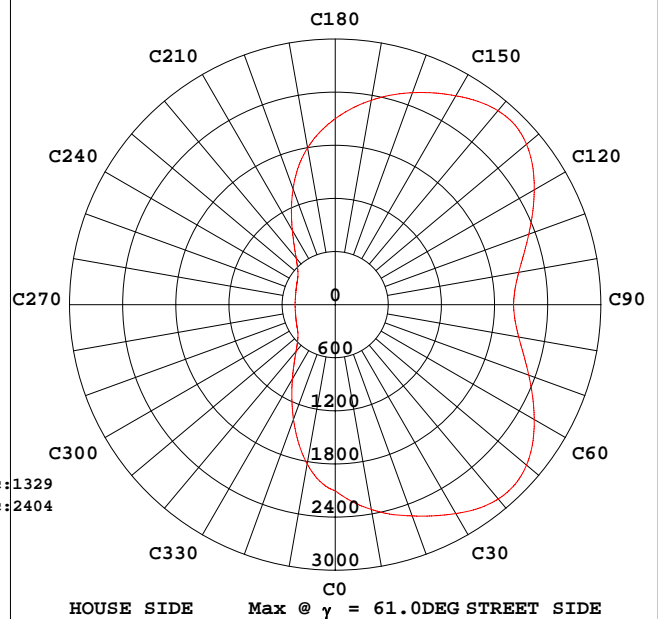


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:43.40V I:0.9149A P:39.70W PF:1.000 Freq:0Hz Lamp Flux:7644.79x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-40WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 192.55 lm/W			
MODEL	5050	I _{max} (cd)	2871	η street_up(%)	0.0
NOMINAL POWER(W)	40	LOR(%)	100.0	η street_down(%)	69.8
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	7645	η house_up(%)	0.0
NOMINAL FLUX(lm)	7644.79	MAXIMUM @(C,γ)	135,61.0	η house_down(%)	30.2
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	20.930

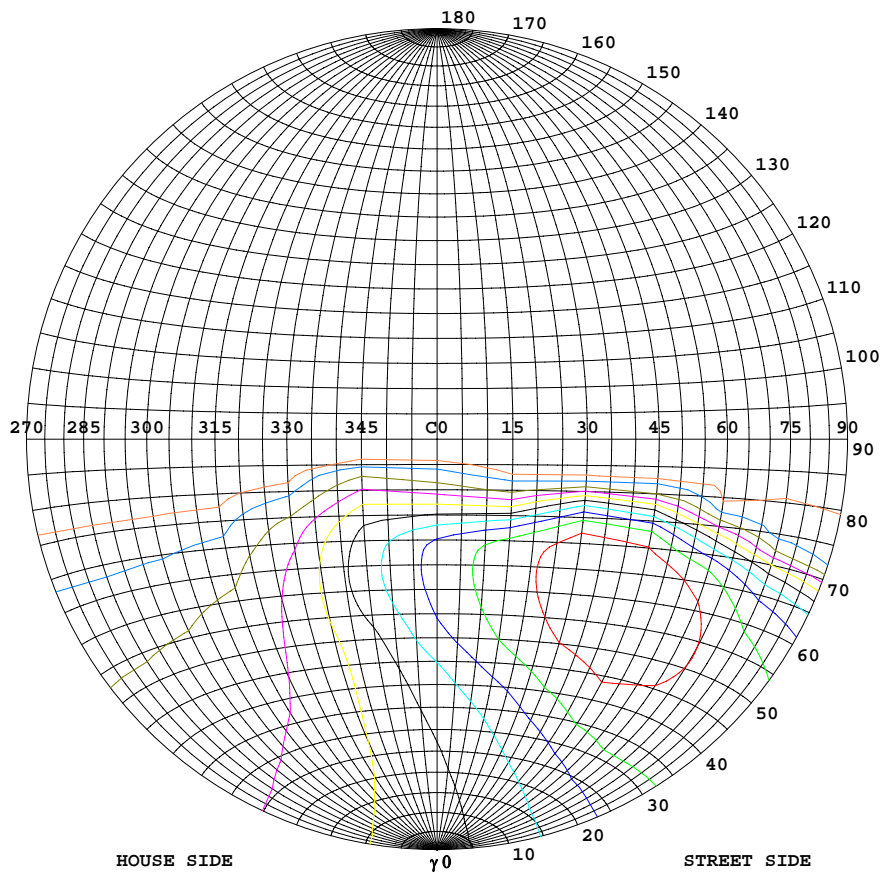
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-08-14

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:43.40V I:0.9149A P:39.70W PF:1.000 Freq:0Hz Lamp Flux:7644.79x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-40WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:



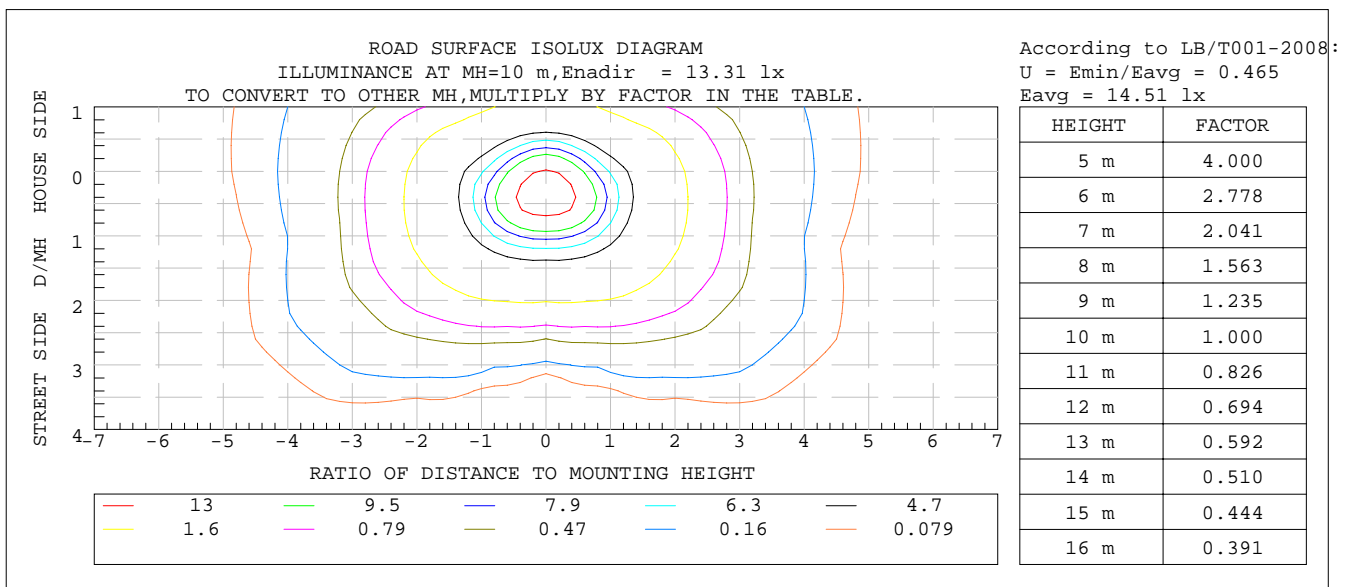
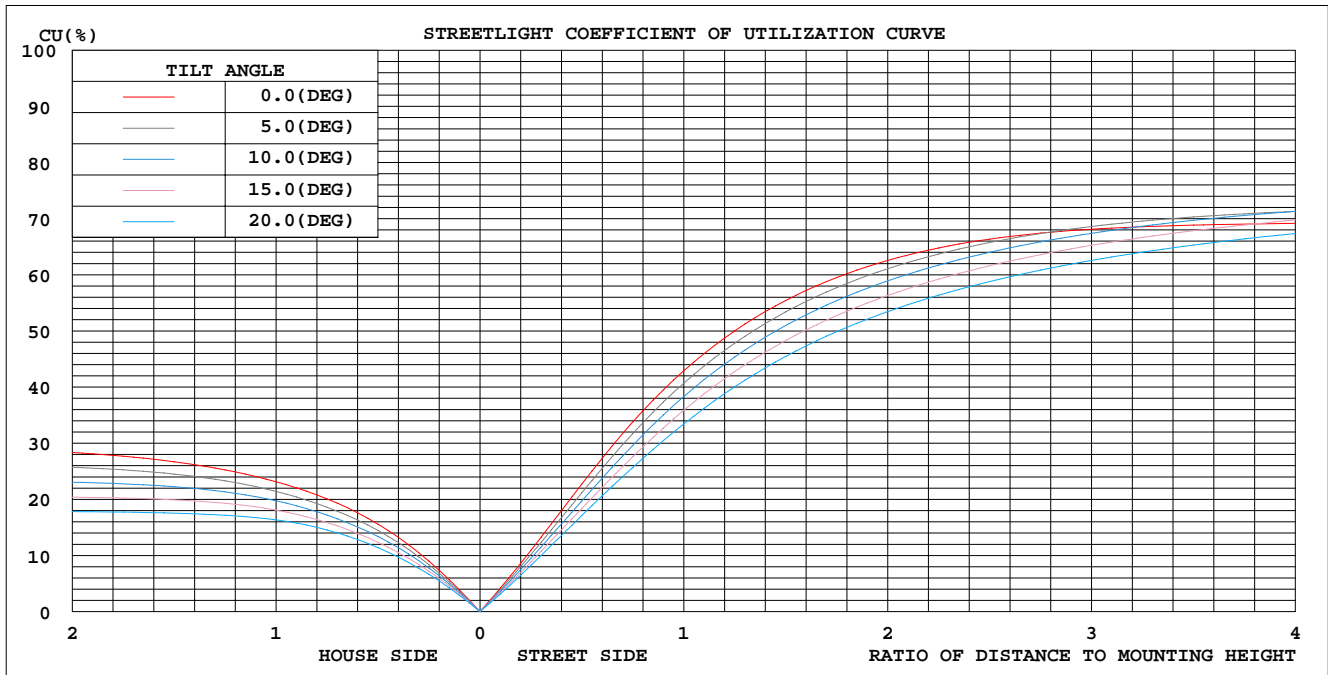
Classification:

IES:Type IV - Short
CIE:Broad - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:115.7cd/klm
Max.At90:0cd/klm
Max.80-90:115.7cd/klm
NRB 5101:Semi limited[23.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2871
90%	2584
80%	2297
70%	2010
60%	1723
50%	1435
40%	1148
30%	861
20%	574
10%	287
5%	144

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-08-14

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: 2020-08-14

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:43.40V I:0.9149A P:39.70W PF:1.000 Freq:0Hz Lamp Flux:7644.79x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-40WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

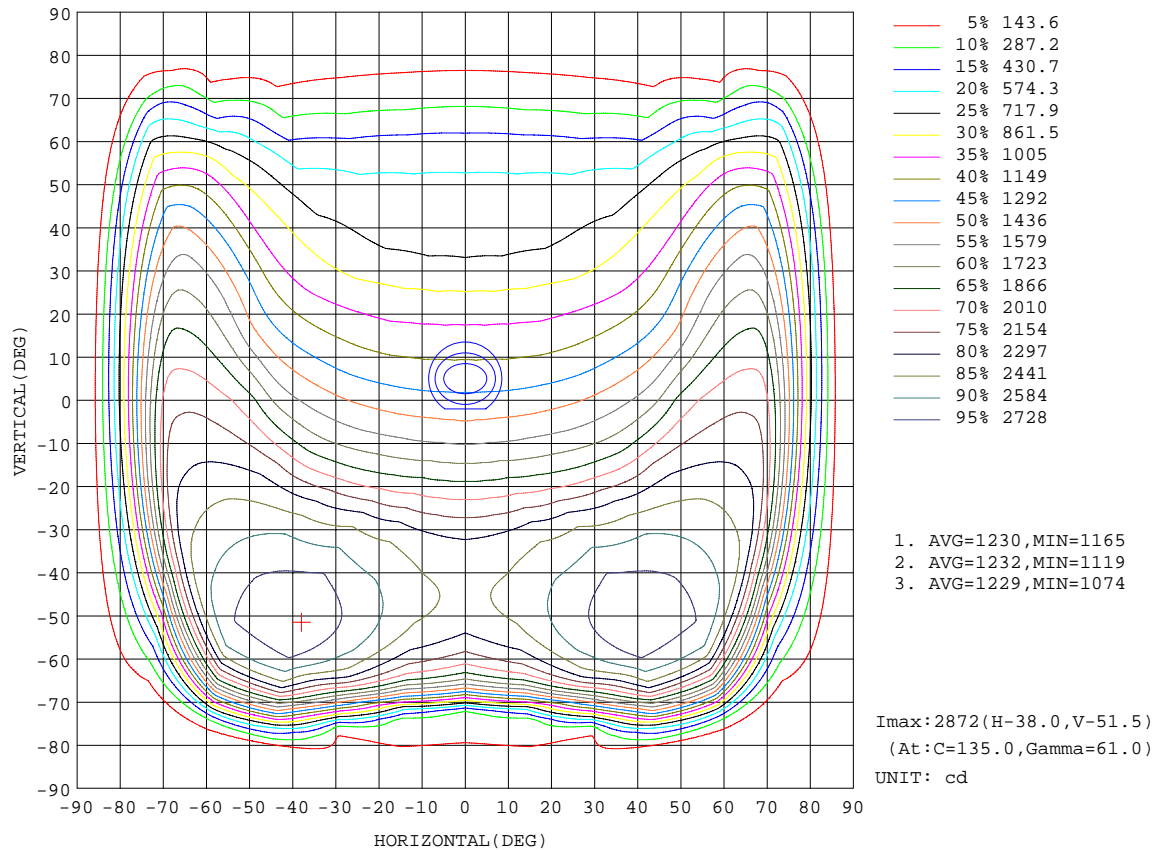
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	1344	1504	1572	1504	1344	1195	1135	1195	0- 10	128.0	128.0	1.67,1.67
20	1382	1751	1905	1751	1382	1070	956.0	1070	10- 20	391.1	519.1	6.79,6.79
30	1460	2091	2236	2091	1460	951.0	770.1	951.0	20- 30	673.4	1192	15.6,15.6
40	1601	2486	2388	2486	1601	832.5	637.0	832.5	30- 40	977.2	2170	28.4,28.4
50	1909	2727	2370	2727	1909	745.3	593.6	745.3	40- 50	1283	3453	45.2,45.2
60	2092	2871	2069	2871	2092	623.8	477.4	623.8	50- 60	1543	4996	65.4,65.4
70	2020	2592	760.0	2592	2020	360.3	251.0	360.3	60- 70	1577	6573	86,86
80	745.8	569.1	135.9	569.1	745.8	101.5	107.6	101.5	70- 80	936.4	7510	98.2,98.2
90	0	0	0	0	0	0	0	0	80- 90	135.1	7645	100,100
100	0	0	0	0	0	0	0	0	90-100	0	7645	100,100
110	0	0	0	0	0	0	0	0	100-110	0	7645	100,100
120	0	0	0	0	0	0	0	0	110-120	0	7645	100,100
130	0	0	0	0	0	0	0	0	120-130	0	7645	100,100
140	0	0	0	0	0	0	0	0	130-140	0	7645	100,100
150	0	0	0	0	0	0	0	0	140-150	0	7645	100,100
160	0	0	0	0	0	0	0	0	150-160	0	7645	100,100
170	0	0	0	0	0	0	0	0	160-170	0	7645	100,100
180	0	0	0	0	0	0	0	0	170-180	0	7645	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:2020-08-14

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

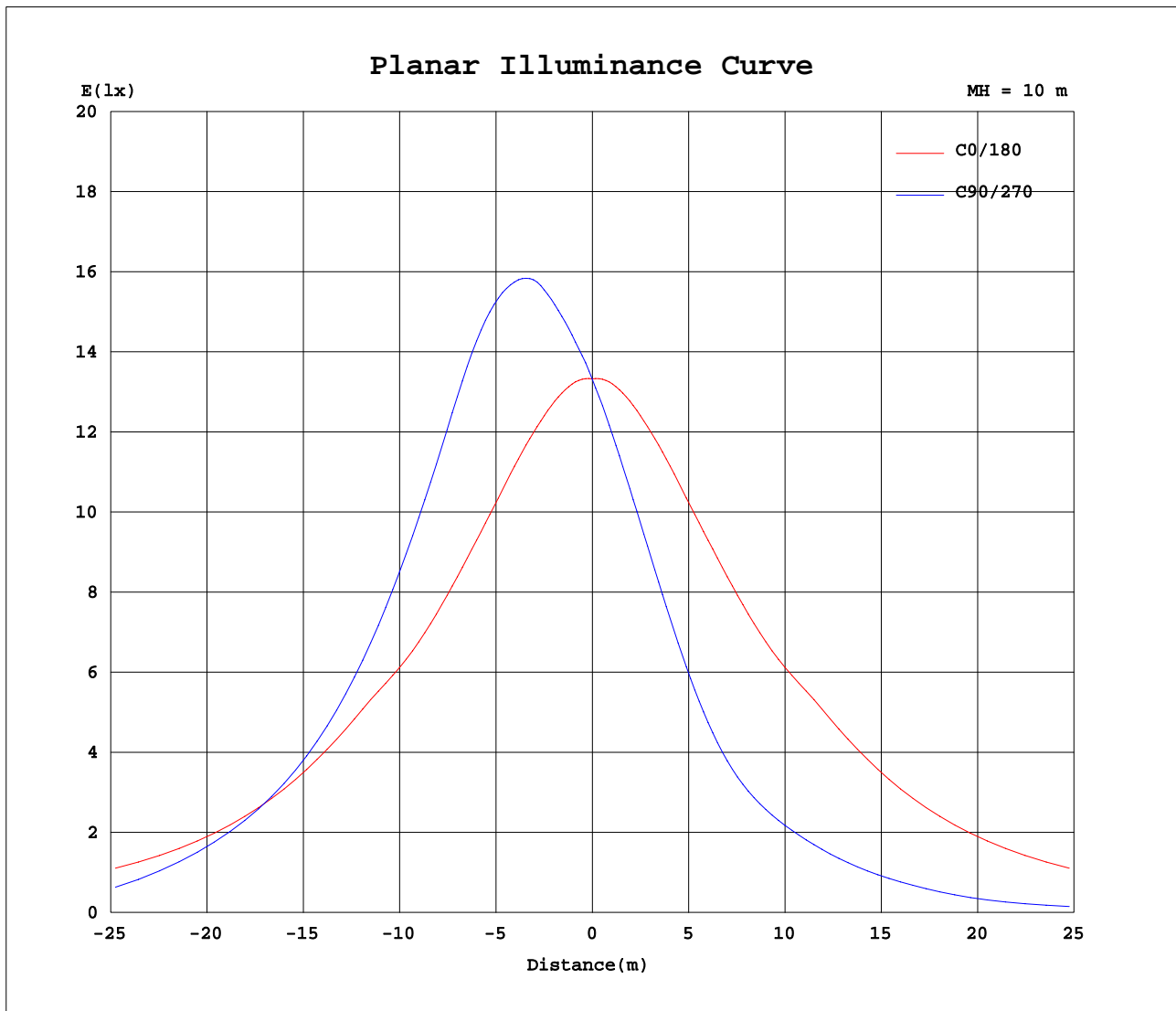
Test:U:43.40V I:0.9149A P:39.70W PF:1.000 Freq:0Hz Lamp Flux:7644.79x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-40WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-08-14

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



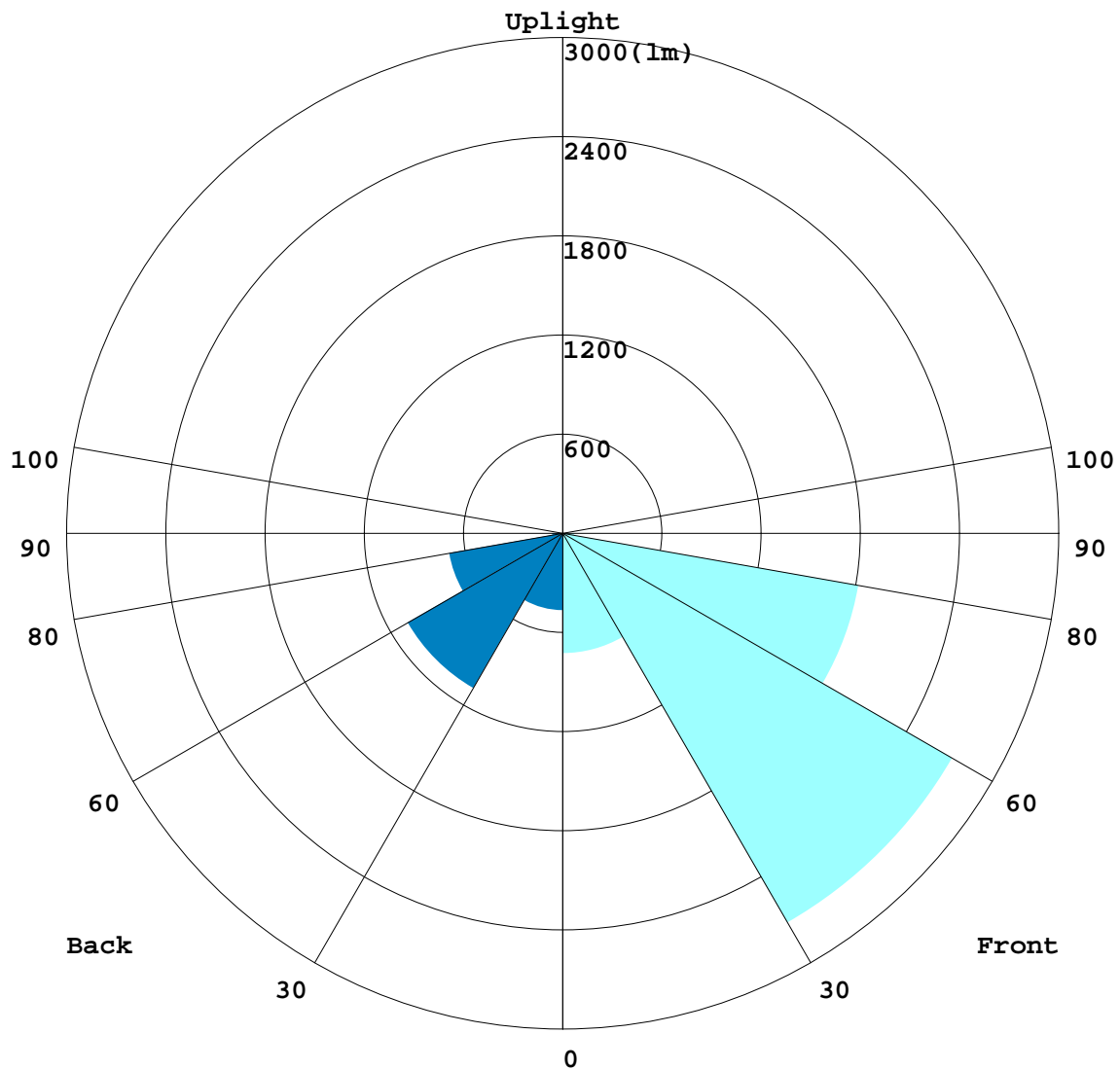
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-08-14

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:43.40V I:0.9149A P:39.70W PF:1.000 Freq:0Hz Lamp Flux:7644.79x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-40WSE-DC-L5-00-5070-T304-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:2020-08-14

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:43.40V I:0.9149A P:39.70W PF:1.000 Freq:0Hz Lamp Flux:7644.79x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-40WSE-DC-L5-00-5070-T304-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)	726.67	9.5
FM - Front-Medium(30-60)	2721.6	35.6
FH - Front-High(60-80)	1817	23.8
FVH - Front-Very High(80-90)	71.6	0.9
Total Forward Light	5336.8	69.8

BL - Back-Low(0-30)	465.82	6.1
BM - Back-Medium(30-60)	1082	14.2
BH - Back-High(60-80)	696.68	9.1
BVH - Back-Very High(80-90)	63.492	0.8
Total Back Light	2308	30.2

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	2308	0	2308
Street Side	5336.8	0	5336.8

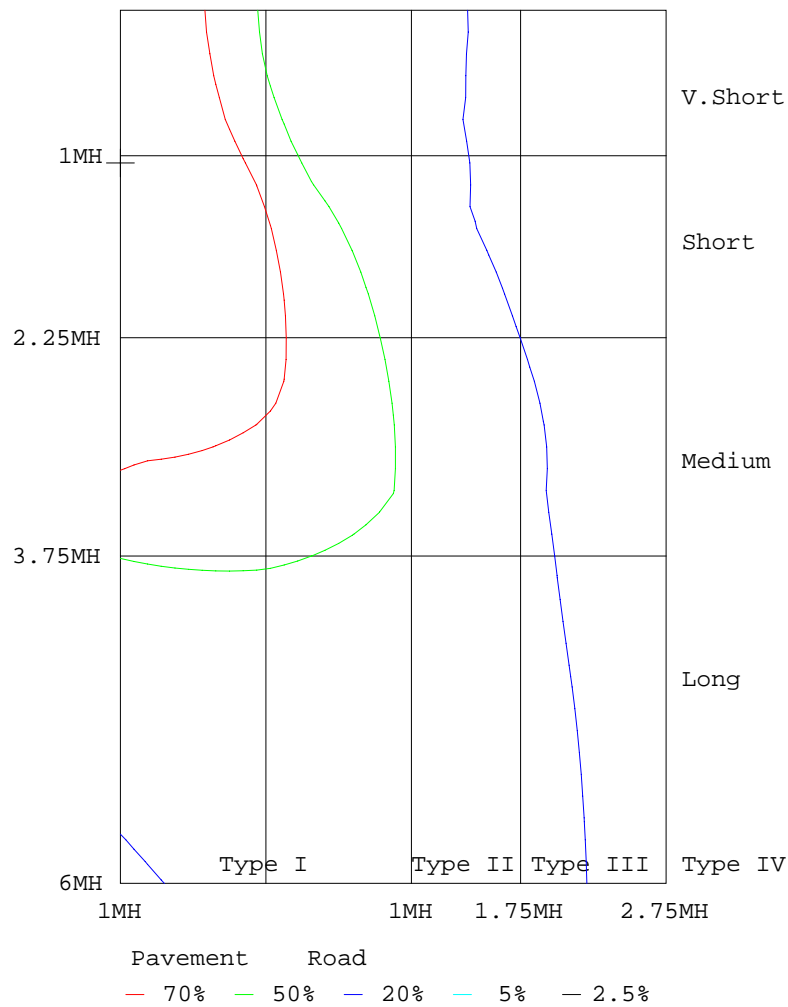
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-08-14

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:43.40V I:0.9149A P:39.70W PF:1.000 Freq:0Hz Lamp Flux:7644.79x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-40WSE-DC-L5-00-5070-T304-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:2020-08-14

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:43.40V I:0.9149A P:39.70W PF:1.000 Freq:0Hz Lamp Flux:7644.79x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-40WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	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	1329	1329	1329	1329	1329	1329	1329	1329	1329	1329	1329	1329	1329	1329	1329	1329	1329	1329	1329
5	1336	1364	1390	1412	1428	1437	1439	1437	1428	1412	1390	1364	1336	1309	1284	1262	1245	1233	1229
10	1344	1401	1456	1504	1544	1566	1572	1566	1544	1504	1456	1401	1344	1287	1237	1195	1163	1143	1135
15	1358	1448	1536	1616	1684	1724	1735	1724	1684	1616	1536	1448	1358	1271	1193	1131	1085	1058	1047
20	1382	1506	1633	1751	1847	1895	1905	1895	1847	1751	1633	1506	1382	1261	1154	1070	1009	971	956
25	1414	1575	1745	1904	2021	2069	2076	2069	2021	1904	1745	1575	1414	1256	1119	1010	929	880	863
30	1460	1661	1877	2091	2222	2244	2236	2244	2222	2091	1877	1661	1460	1260	1089	951	851	791	770
35	1522	1768	2059	2312	2394	2368	2341	2368	2394	2312	2059	1768	1522	1274	1057	890	774	710	688
40	1601	1926	2257	2486	2494	2430	2388	2430	2494	2486	2257	1926	1601	1293	1027	833	708	654	637
45	1726	2133	2430	2613	2568	2466	2404	2466	2568	2613	2430	2133	1726	1324	1003	785	667	628	615
50	1909	2294	2571	2727	2634	2465	2370	2465	2634	2727	2571	2294	1909	1386	990	745	637	604	594
55	2022	2391	2667	2822	2661	2403	2265	2403	2661	2822	2667	2391	2022	1505	987	696	590	558	551
60	2092	2446	2718	2871	2615	2249	2069	2249	2615	2871	2718	2446	2092	1601	974	624	518	485	477
65	2117	2458	2735	2818	2455	1936	1678	1936	2455	2818	2735	2458	2117	1622	933	518	406	363	351
70	2020	2342	2679	2592	1903	1148	760	1148	1903	2592	2679	2342	2020	1557	827	360	269	247	251
75	1454	1536	2207	1914	832	172	162	172	832	1914	2207	1536	1454	1325	592	208	170	165	166
80	746	492	879	569	132	151	136	151	132	569	879	492	746	884	235	101	98.7	106	108
85	203	67.3	70.7	101	99.5	81.6	68.1	81.6	99.5	101	70.7	67.3	203	216	40.1	40.5	51.1	57.6	55.5
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:2020-08-14

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:43.40V I:0.9149A P:39.70W PF:1.000 Freq:0Hz Lamp Flux:7644.79x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-40WSE-DC-L5-00-5070-T304-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	1329	1329	1329	1329	1329														
5	1233	1245	1262	1284	1309														
10	1143	1163	1195	1237	1287														
15	1058	1085	1131	1193	1271														
20	971	1009	1070	1154	1261														
25	880	929	1010	1119	1256														
30	791	851	951	1089	1260														
35	710	774	890	1057	1274														
40	654	708	833	1027	1293														
45	628	667	785	1003	1324														
50	604	637	745	990	1386														
55	558	590	696	987	1505														
60	485	518	624	974	1601														
65	363	406	518	933	1622														
70	247	269	360	827	1557														
75	165	170	208	592	1325														
80	106	98.7	101	235	884														
85	57.6	51.1	40.5	40.1	216														
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:2020-08-14

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: