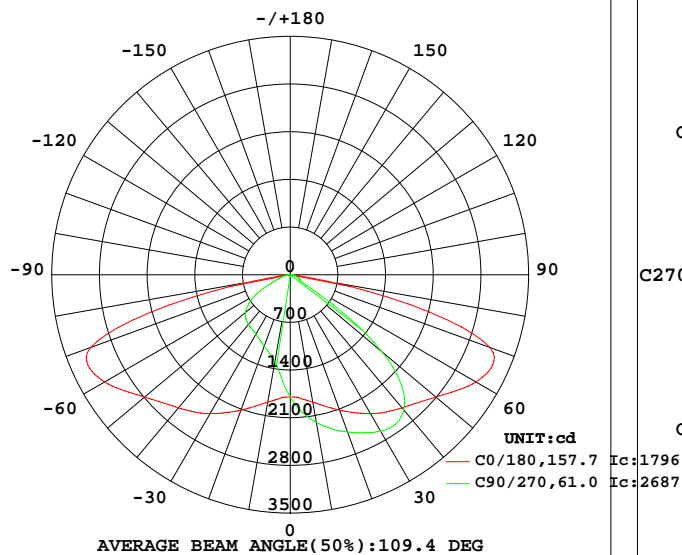
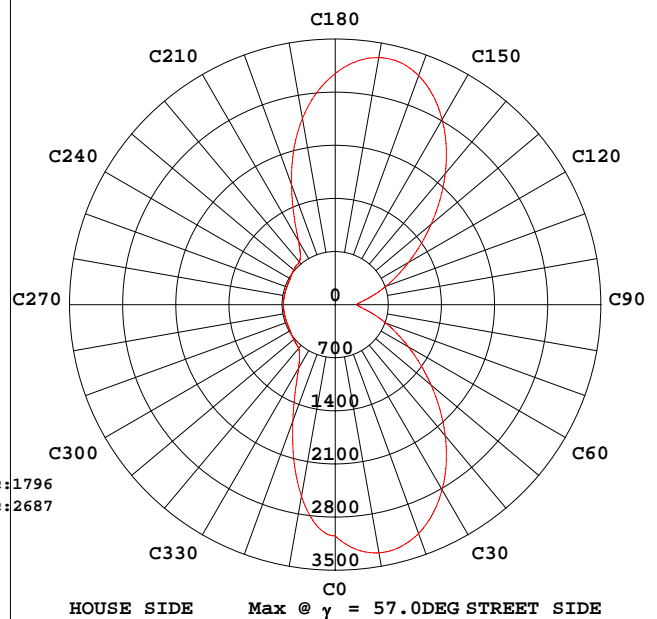


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:43.44V I:0.9199A P:39.96W PF:1.000 Freq:0Hz Lamp Flux:7801.99x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-40WSE-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: 195.27 lm/W			
MODEL	5050	I _{max} (cd)	3305	η street_up(%)	0.0
NOMINAL POWER(W)	40	LOR(%)	100.0	η street_down(%)	64.9
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	7802	η house_up(%)	0.0
NOMINAL FLUX(lm)	7801.99	MAXIMUM @(C,γ)	165,57.0	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	20.820

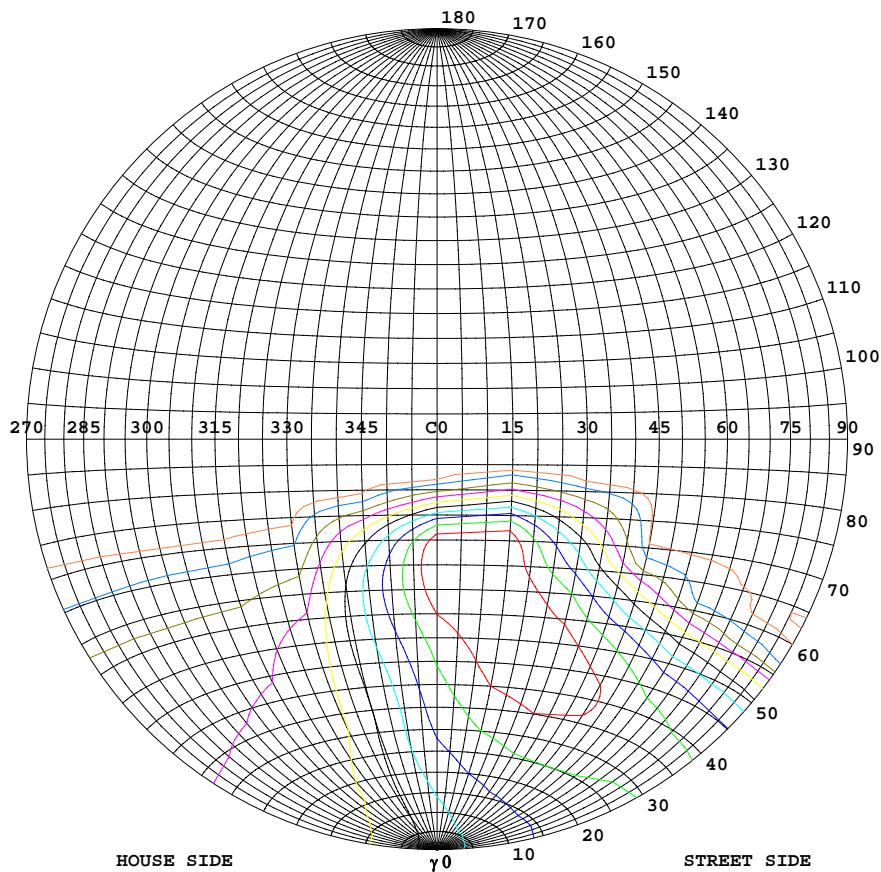
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:43.44V I:0.9199A P:39.96W PF:1.000 Freq:0Hz Lamp Flux:7801.99x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-40WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:



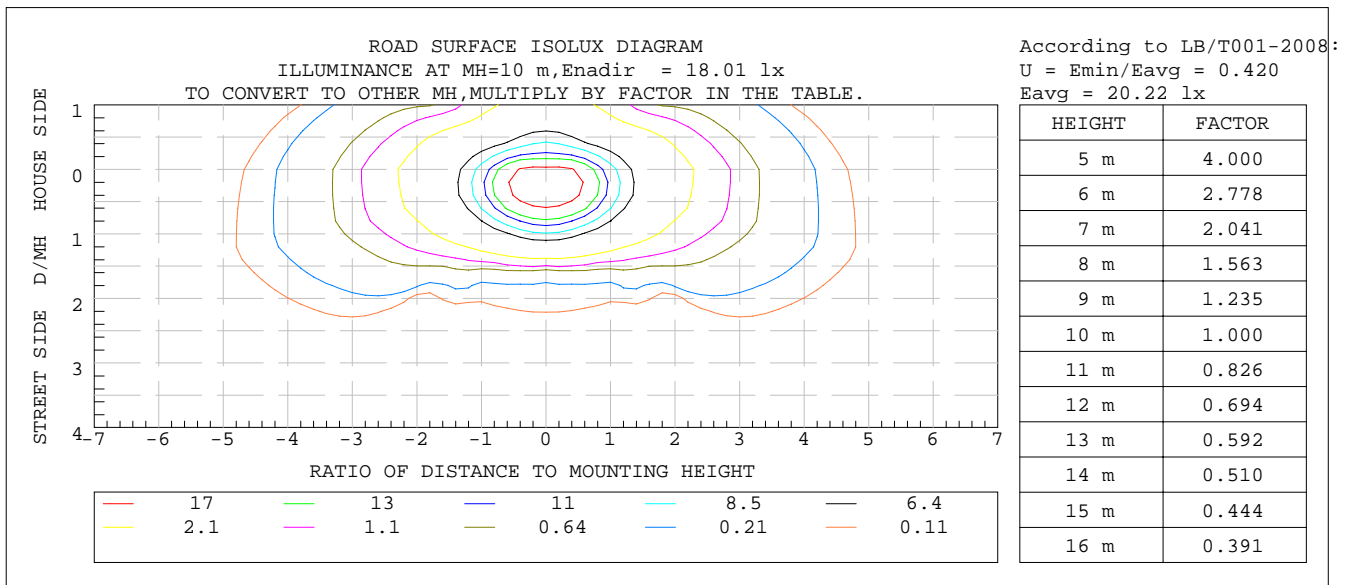
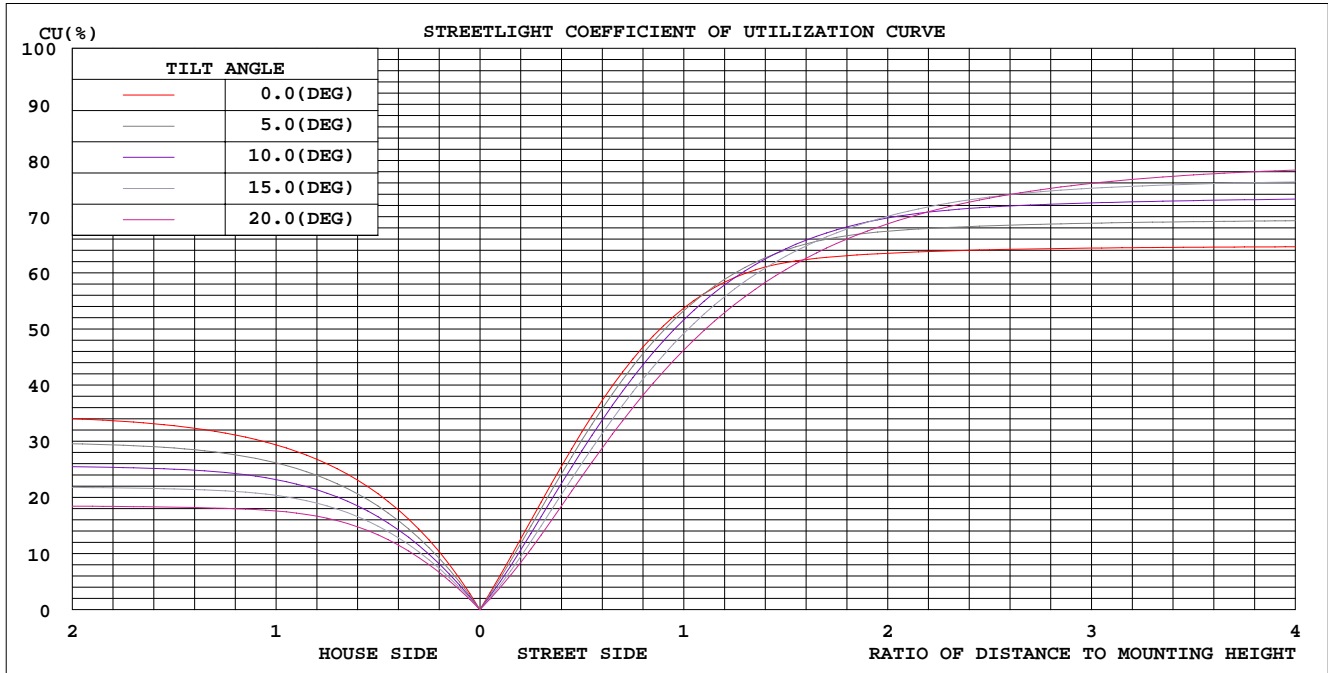
Classification:

IES:Type II - Short
 CIE:Narrow - Short
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:132.0cd/klm
 Max.At90:0cd/klm
 Max.80-90:132.0cd/klm
 NRB 5101:Semi limited[27.6%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	3305
90%	2975
80%	2644
70%	2314
60%	1983
50%	1653
40%	1322
30%	992
20%	661
10%	331
5%	165

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:43.44V I:0.9199A P:39.96W PF:1.000 Freq:0Hz Lamp Flux:7801.99x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-40WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

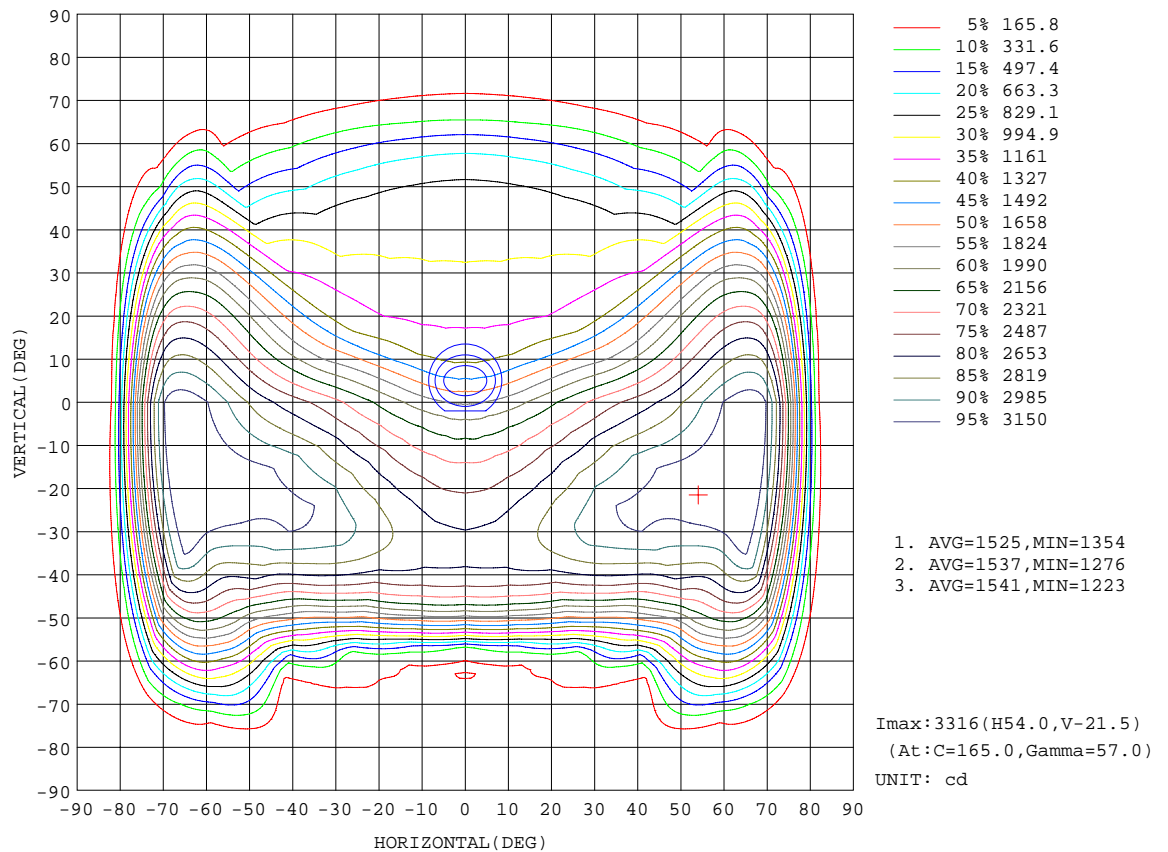
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	1899	2150	2201	2150	1899	1458	1298	1458	0- 10	172.0	172.0	2.2,2.2
20	2115	2468	2456	2468	2115	1260	1118	1260	10- 20	528.7	700.7	8.98,8.98
30	2352	2802	2649	2802	2352	1137	1010	1137	20- 30	911.8	1612	20.7,20.7
40	2552	3003	2593	3003	2552	1038	951.1	1038	30- 40	1294	2907	37.3,37.3
50	2793	2657	1750	2657	2793	908.3	858.2	908.3	40- 50	1564	4471	57.3,57.3
60	3147	1569	164.5	1569	3147	620.2	581.0	620.2	50- 60	1484	5955	76.3,76.3
70	3115	176.2	124.0	176.2	3115	213.3	194.3	213.3	60- 70	1141	7096	90.9,90.9
80	553.2	99.35	62.03	99.35	553.2	65.08	84.28	65.08	70- 80	635.3	7731	99.1,99.1
90	0	0	0	0	0	0	0	0	80- 90	70.87	7802	100,100
100	0	0	0	0	0	0	0	0	90-100	0	7802	100,100
110	0	0	0	0	0	0	0	0	100-110	0	7802	100,100
120	0	0	0	0	0	0	0	0	110-120	0	7802	100,100
130	0	0	0	0	0	0	0	0	120-130	0	7802	100,100
140	0	0	0	0	0	0	0	0	130-140	0	7802	100,100
150	0	0	0	0	0	0	0	0	140-150	0	7802	100,100
160	0	0	0	0	0	0	0	0	150-160	0	7802	100,100
170	0	0	0	0	0	0	0	0	160-170	0	7802	100,100
180	0	0	0	0	0	0	0	0	170-180	0	7802	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

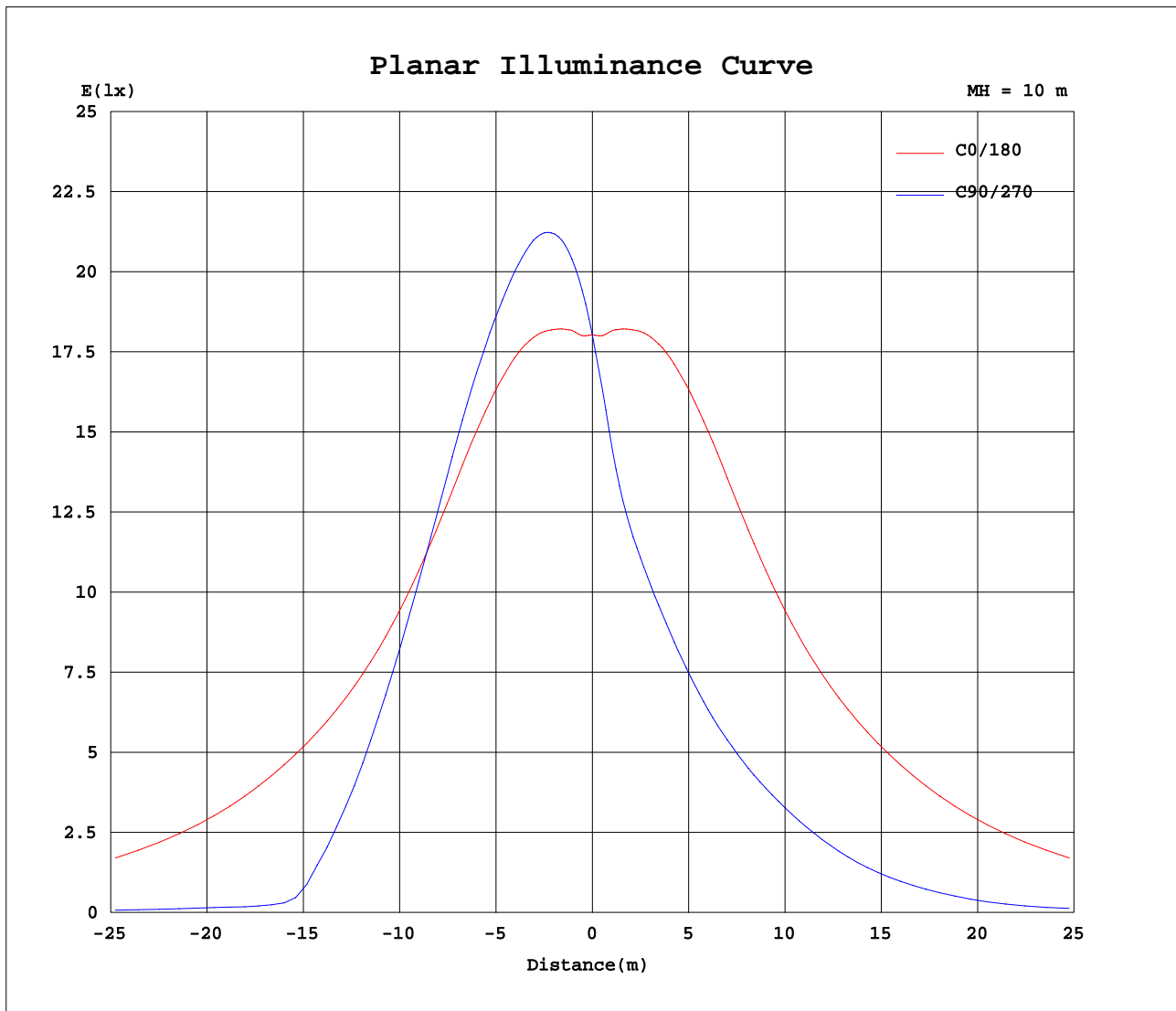
Test:U:43.44V I:0.9199A P:39.96W PF:1.000 Freq:0Hz Lamp Flux:7801.99x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-40WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:



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



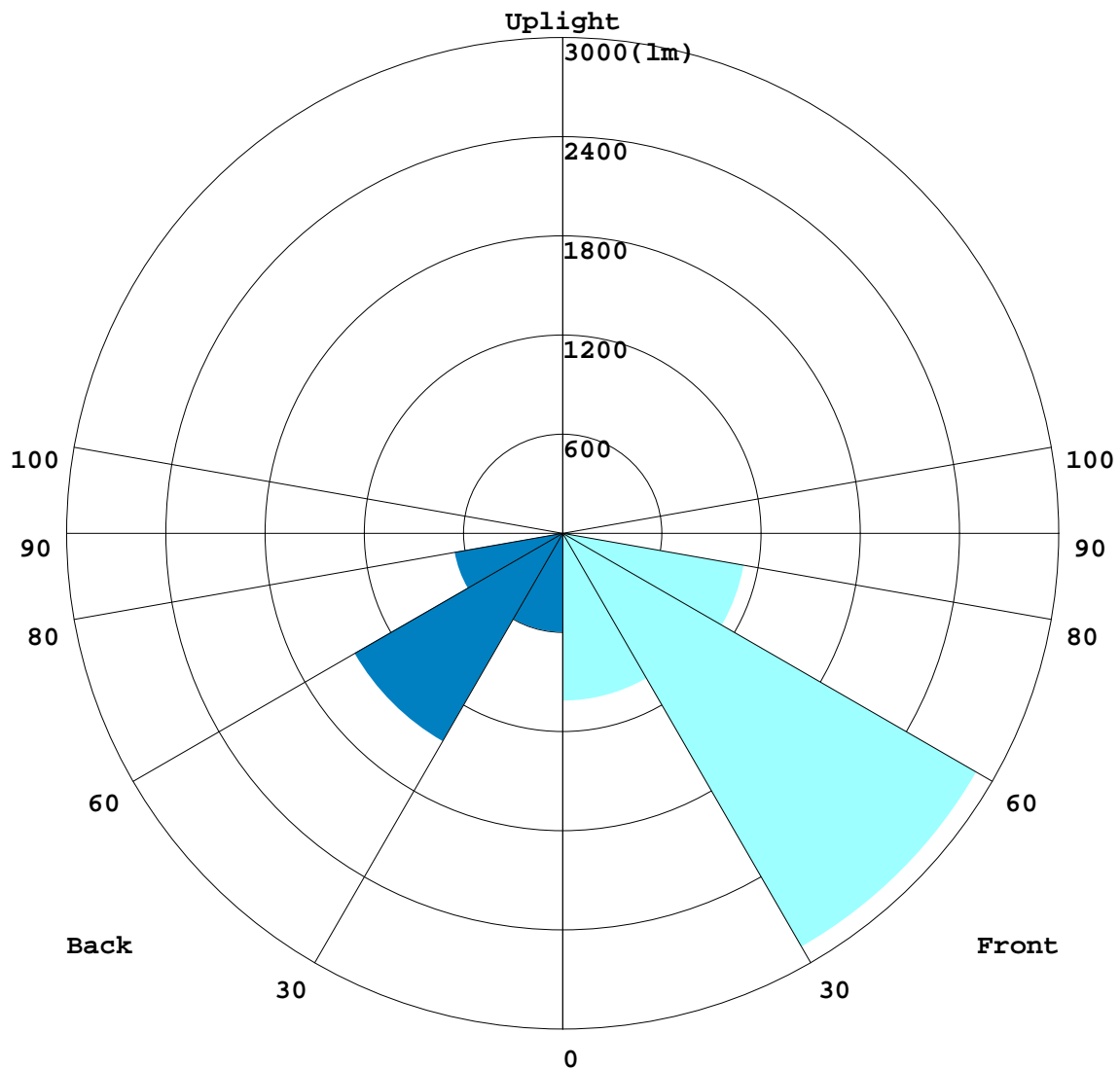
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-10-30

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:43.44V I:0.9199A P:39.96W PF:1.000 Freq:0Hz Lamp Flux:7801.99x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-40WSE-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:43.44V I:0.9199A P:39.96W PF:1.000 Freq:0Hz Lamp Flux:7801.99x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-40WSE-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)	1013.5	13.0
FM - Front-Medium(30-60)	2889.6	37.0
FH - Front-High(60-80)	1112.3	14.3
FVH - Front-Very High(80-90)	48.674	0.6
Total Forward Light	5064	64.9

BL - Back-Low(0-30)	598.92	7.7
BM - Back-Medium(30-60)	1453.3	18.6
BH - Back-High(60-80)	663.57	8.5
BVH - Back-Very High(80-90)	22.193	0.3
Total Back Light	2737.9	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
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2737.9	0	2737.9
Street Side	5064	0	5064

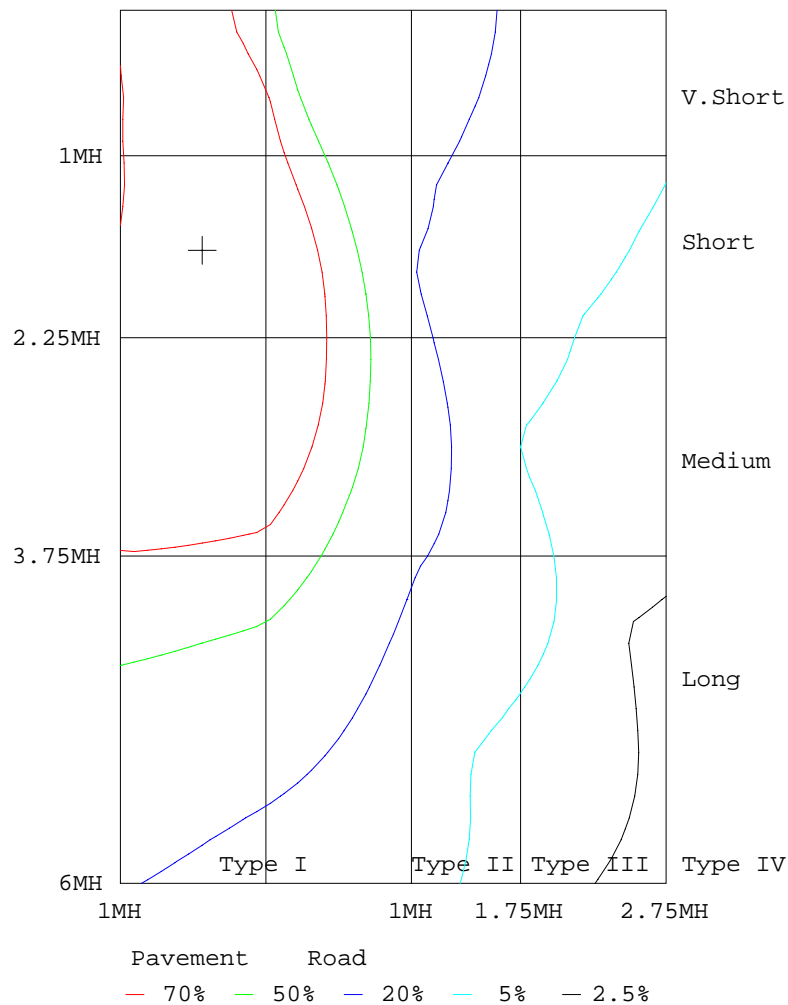
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-10-30

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:43.44V I:0.9199A P:39.96W PF:1.000 Freq:0Hz Lamp Flux:7801.99x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-40WSE-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:43.44V I:0.9199A P:39.96W PF:1.000 Freq:0Hz Lamp Flux:7801.99x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-40WSE-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	1796	1796	1796	1796	1796	1796	1796	1796	1796	1796	1796	1796	1796	1796	1796	1796	1796	1796	1796
5	1825	1884	1938	1974	1997	2021	2027	2021	1997	1974	1938	1884	1825	1750	1677	1615	1562	1525	1515
10	1899	2011	2095	2150	2178	2193	2201	2193	2178	2150	2095	2011	1899	1760	1601	1458	1360	1315	1298
15	1999	2149	2251	2309	2332	2342	2340	2342	2332	2309	2251	2149	1999	1794	1542	1345	1247	1210	1192
20	2115	2305	2418	2468	2477	2470	2456	2470	2477	2468	2418	2305	2115	1831	1478	1260	1169	1134	1118
25	2233	2463	2594	2641	2618	2585	2559	2585	2618	2641	2594	2463	2233	1855	1398	1193	1107	1074	1057
30	2352	2631	2777	2802	2738	2681	2649	2681	2738	2802	2777	2631	2352	1852	1339	1137	1056	1027	1010
35	2458	2799	2953	2937	2800	2713	2685	2713	2800	2937	2953	2799	2458	1840	1302	1091	1014	991	977
40	2552	2963	3101	3003	2746	2635	2593	2635	2746	3003	3101	2963	2552	1876	1270	1038	974	960	951
45	2655	3107	3177	2915	2526	2387	2316	2387	2526	2915	3177	3107	2655	1942	1229	983	928	925	922
50	2793	3221	3109	2657	2132	1888	1750	1888	2132	2657	3109	3221	2793	2028	1158	908	861	861	858
55	2969	3297	2911	2206	1464	1023	779	1023	1464	2206	2911	3297	2969	2101	1036	790	747	740	741
60	3147	3280	2644	1569	552	191	165	191	552	1569	2644	3280	3147	2117	842	620	586	578	581
65	3250	3213	2219	781	171	164	161	164	171	781	2219	3213	3250	1984	582	416	390	358	350
70	3115	3138	1789	176	150	133	124	133	150	176	1789	3138	3115	1607	312	213	188	189	194
75	2116	2405	1135	145	102	79.6	78.6	79.6	102	145	1135	2405	2116	858	131	113	118	118	114
80	553	1030	412	99.3	59.9	63.2	62.0	63.2	59.9	99.3	412	1030	553	144	66.2	65.1	78.8	84.8	84.3
85	45.5	87.6	51.0	36.8	40.9	47.4	44.9	47.4	40.9	36.8	51.0	87.6	45.5	23.7	21.5	31.9	43.6	45.6	46.1
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:2020-10-30

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:43.44V I:0.9199A P:39.96W PF:1.000 Freq:0Hz Lamp Flux:7801.99x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-40WSE-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)	285	300	315	330	345														
γ (DEC)																			
0	1796	1796	1796	1796	1796														
5	1525	1562	1615	1677	1750														
10	1315	1360	1458	1601	1760														
15	1210	1247	1345	1542	1794														
20	1134	1169	1260	1478	1831														
25	1074	1107	1193	1398	1855														
30	1027	1056	1137	1339	1852														
35	991	1014	1091	1302	1840														
40	960	974	1038	1270	1876														
45	925	928	983	1229	1942														
50	861	861	908	1158	2028														
55	740	747	790	1036	2101														
60	578	586	620	842	2117														
65	358	390	416	582	1984														
70	189	188	213	312	1607														
75	118	118	113	131	858														
80	84.8	78.8	65.1	66.2	144														
85	45.6	43.6	31.9	21.5	23.7														
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: