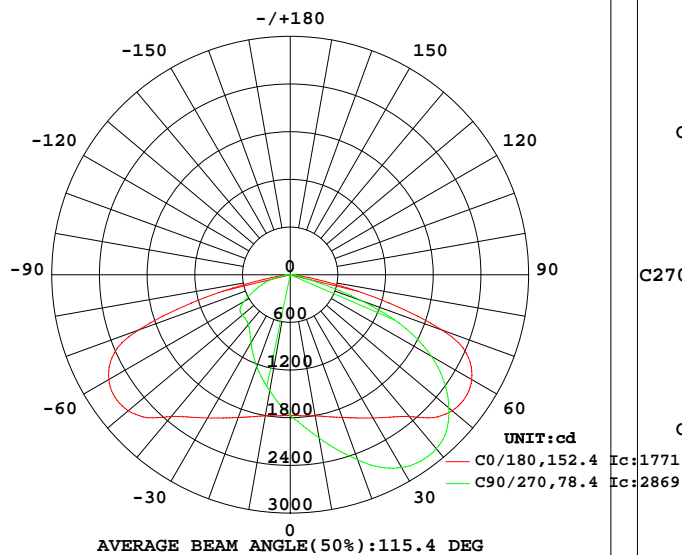
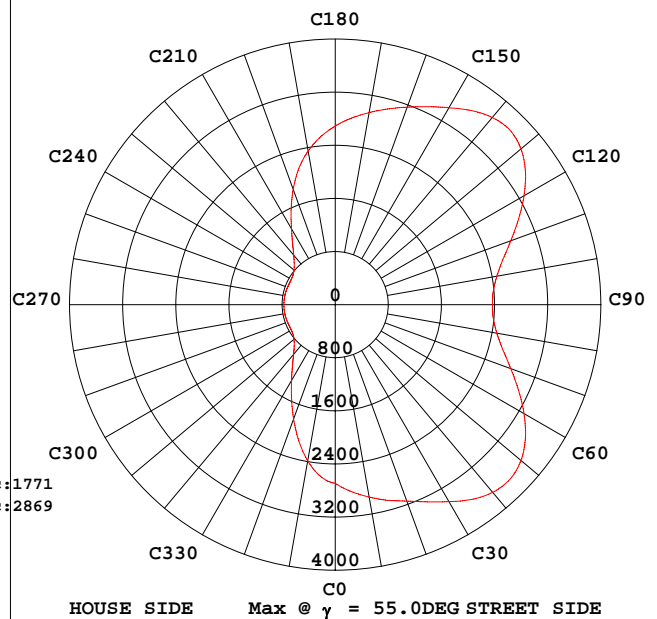


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:43.83V I:1.135A P:49.74W PF:1.000 Freq:0Hz Lamp Flux:9418.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-50WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 189.34 lm/W			
MODEL	5050	I _{max} (cd)	3720	η street_up(%)	0.0
NOMINAL POWER(W)	50	LOR(%)	100.0	η street_down(%)	69.4
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	9418	η house_up(%)	0.0
NOMINAL FLUX(lm)	9418.5	MAXIMUM @(C,γ)	45,55.0	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	19.883

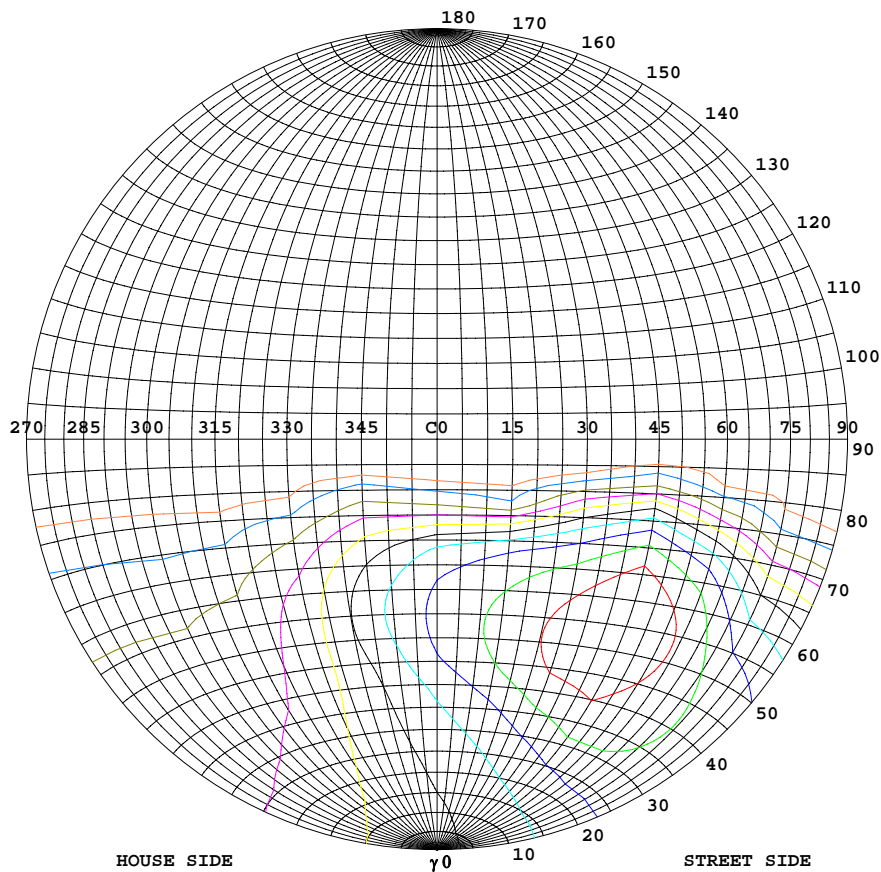
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:43.83V I:1.135A P:49.74W PF:1.000 Freq:0Hz Lamp Flux:9418.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-50WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:



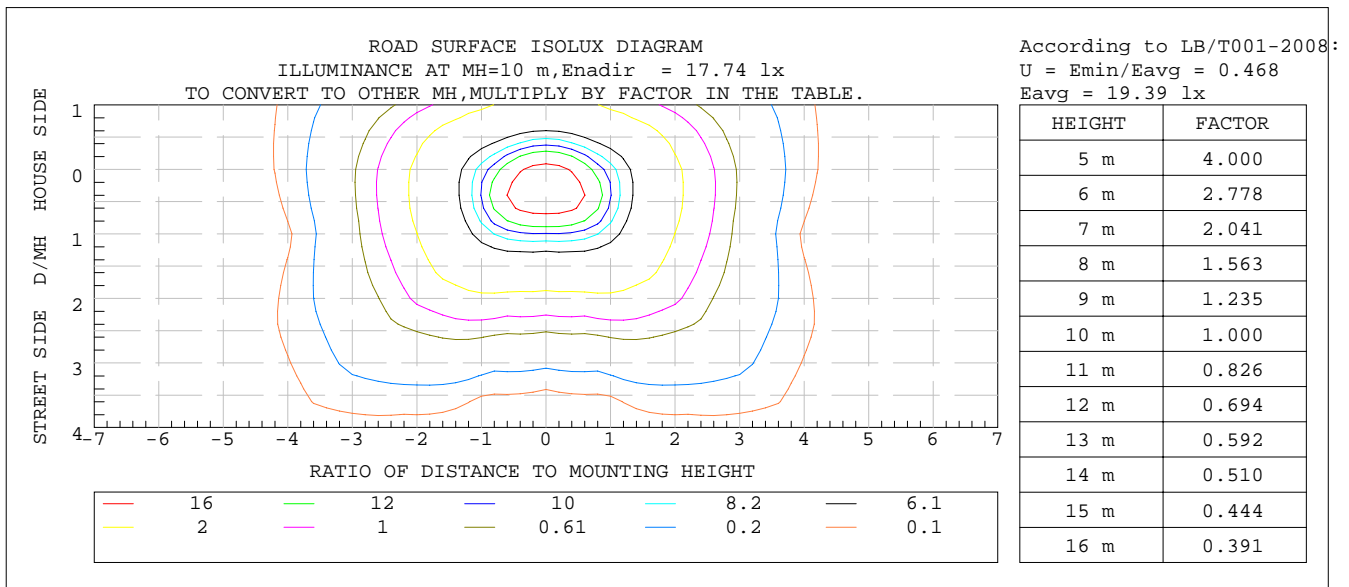
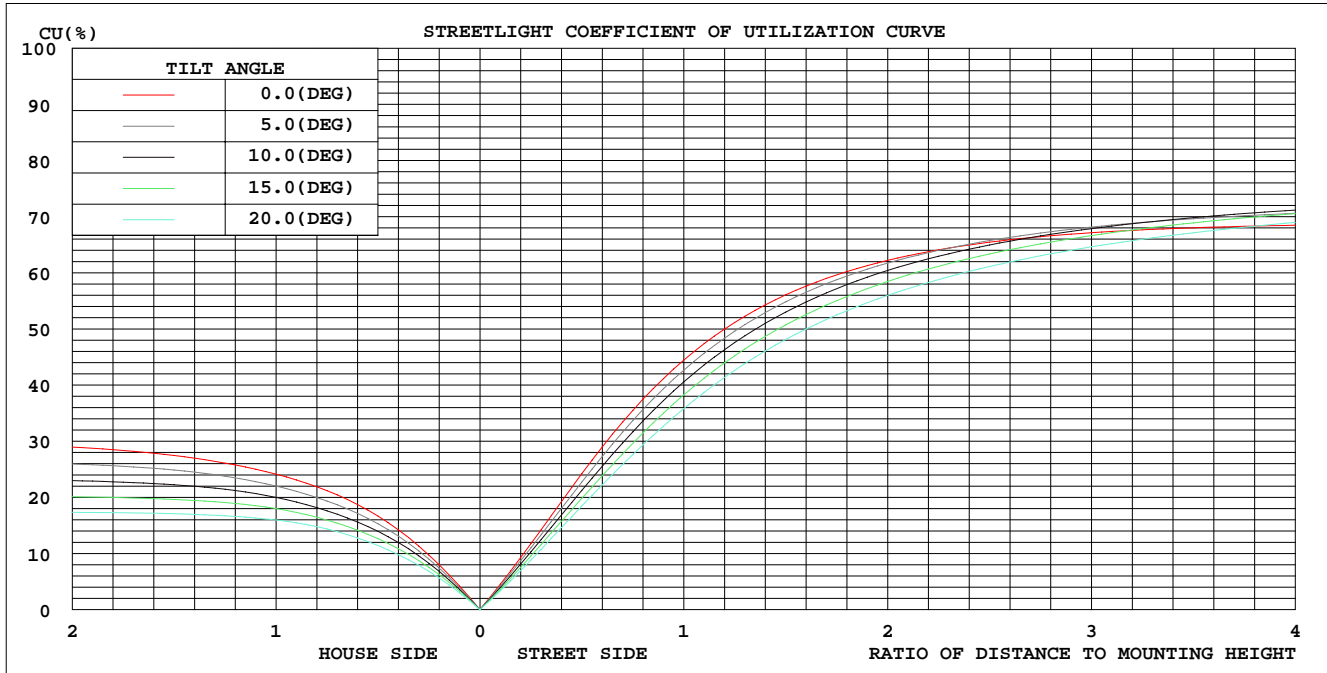
Classification:

IES:Type IV - Short
 CIE:Broad - Short
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:119.5cd/klm
 Max.At90:0cd/klm
 Max.80-90:119.5cd/klm
 NRB 5101:Semi limited[15.3%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	3720
90%	3348
80%	2976
70%	2604
60%	2232
50%	1860
40%	1488
30%	1116
20%	744
10%	372
5%	186

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:43.83V I:1.135A P:49.74W PF:1.000 Freq:0Hz Lamp Flux:9418.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-50WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

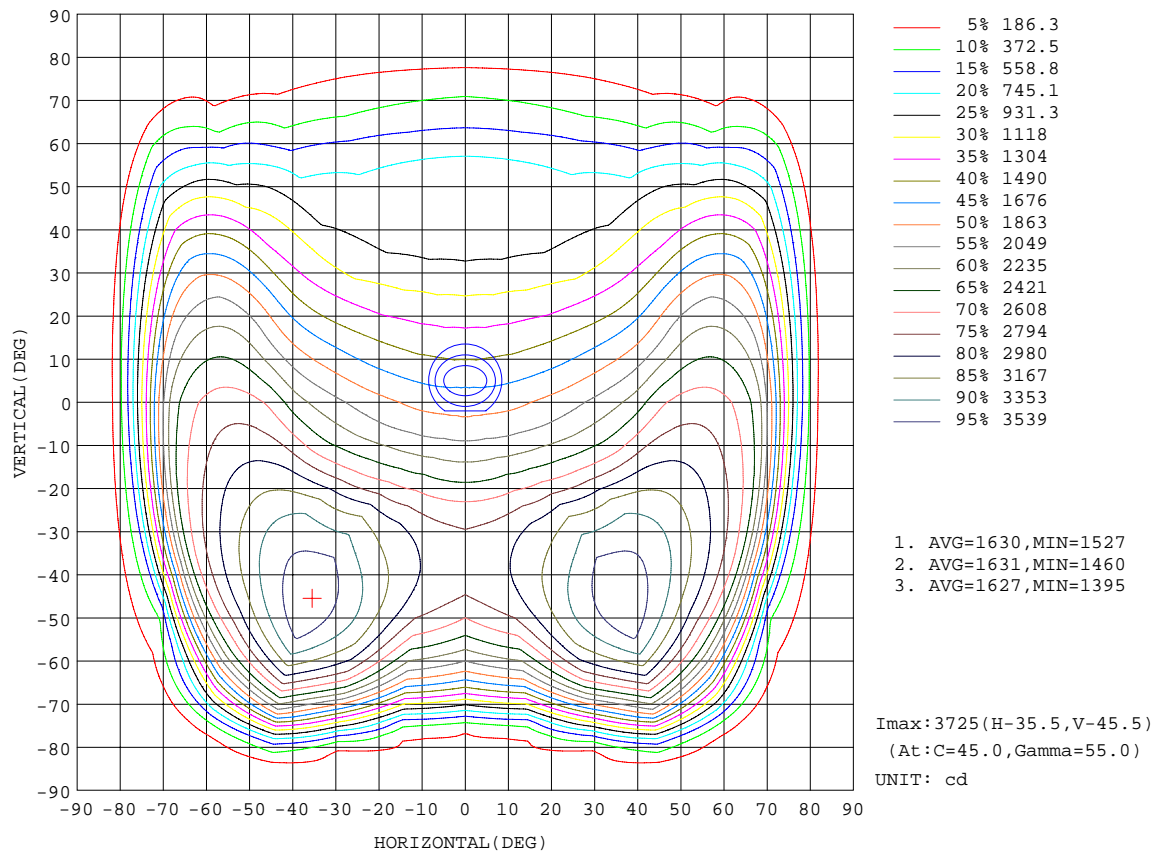
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	1804	2004	2085	2004	1804	1587	1484	1587	0- 10	170.1	170.1	1.81,1.81
20	1912	2361	2477	2361	1912	1429	1231	1429	10- 20	522.4	692.5	7.35,7.35
30	2081	2862	2801	2862	2081	1264	988.4	1264	20- 30	905.9	1598	17,17
40	2331	3349	2860	3349	2331	1085	820.0	1085	30- 40	1310	2908	30.9,30.9
50	2661	3656	2604	3656	2661	947.7	789.6	947.7	40- 50	1699	4607	48.9,48.9
60	2636	3667	2048	3667	2636	774.5	672.7	774.5	50- 60	1948	6555	69.6,69.6
70	2028	3032	952.1	3032	2028	397.4	394.2	397.4	60- 70	1801	8356	88.7,88.7
80	337.7	1126	146.0	1126	337.7	120.1	127.6	120.1	70- 80	939.2	9295	98.7,98.7
90	0	0	0	0	0	0	0	0	80- 90	123.0	9418	100,100
100	0	0	0	0	0	0	0	0	90-100	0	9418	100,100
110	0	0	0	0	0	0	0	0	100-110	0	9418	100,100
120	0	0	0	0	0	0	0	0	110-120	0	9418	100,100
130	0	0	0	0	0	0	0	0	120-130	0	9418	100,100
140	0	0	0	0	0	0	0	0	130-140	0	9418	100,100
150	0	0	0	0	0	0	0	0	140-150	0	9418	100,100
160	0	0	0	0	0	0	0	0	150-160	0	9418	100,100
170	0	0	0	0	0	0	0	0	160-170	0	9418	100,100
180	0	0	0	0	0	0	0	0	170-180	0	9418	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

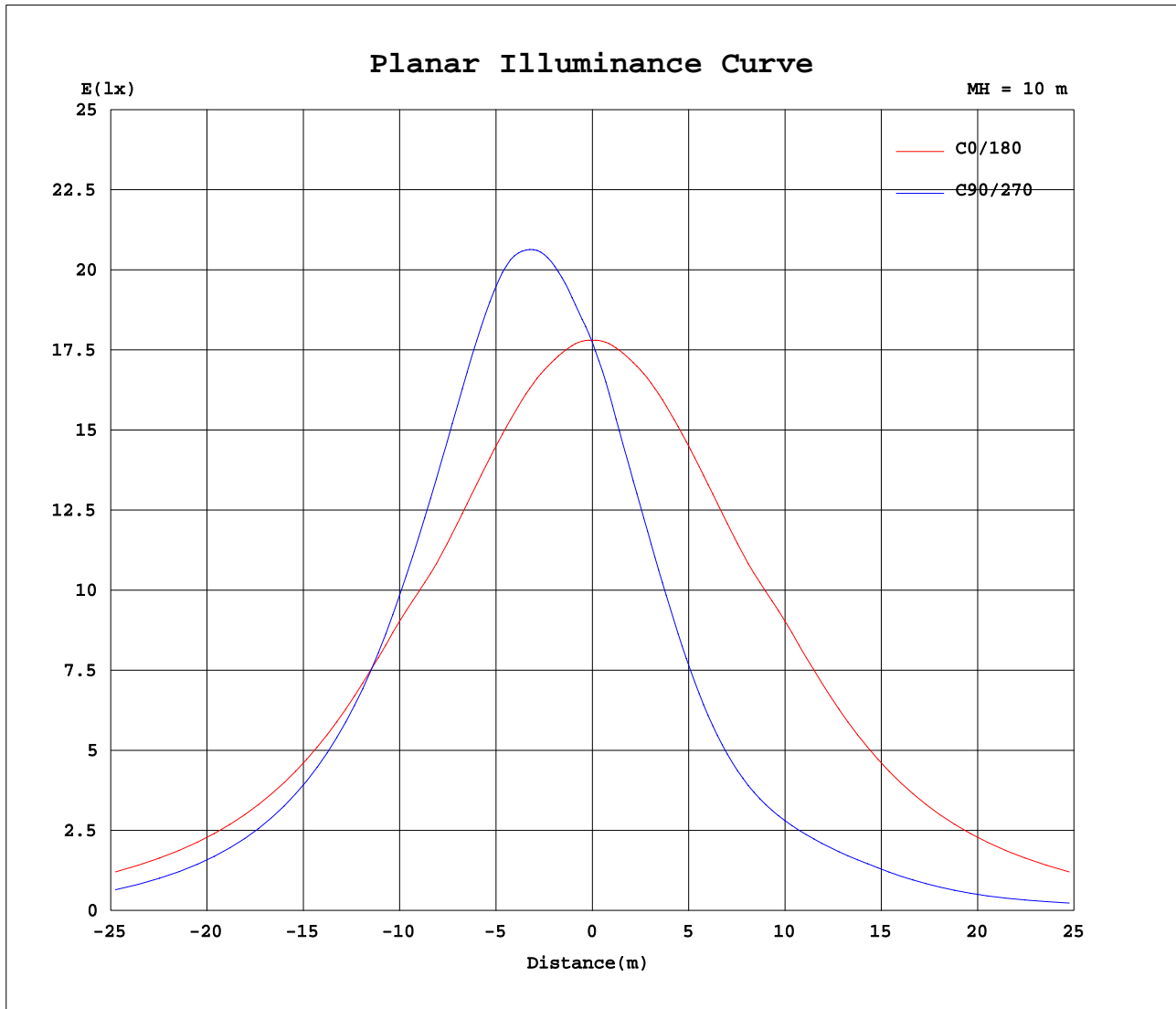
Test:U:43.83V I:1.135A P:49.74W PF:1.000 Freq:0Hz Lamp Flux:9418.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-50WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:



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

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



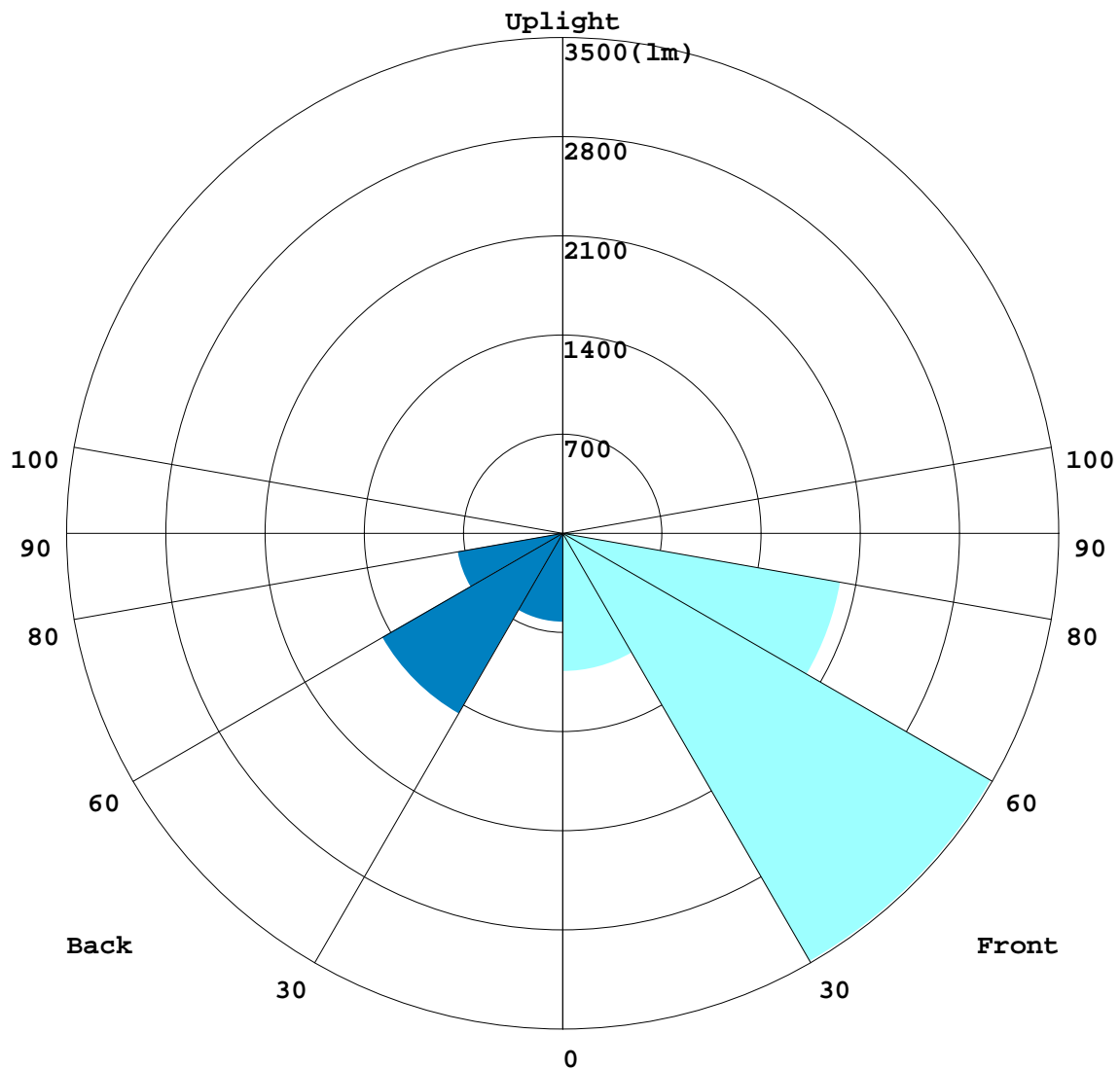
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-08-13

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:43.83V I:1.135A P:49.74W PF:1.000 Freq:0Hz Lamp Flux:9418.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-50WSE-DC-L5-00-5070-T402-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:2020-08-13

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:43.83V I:1.135A P:49.74W PF:1.000 Freq:0Hz Lamp Flux:9418.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-50WSE-DC-L5-00-5070-T402-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)	973.39	10.3
FM - Front-Medium(30-60)	3487.8	37.0
FH - Front-High(60-80)	1988.6	21.1
FVH - Front-Very High(80-90)	81.974	0.9
Total Forward Light	6531.8	69.4

BL - Back-Low(0-30)	624.98	6.6
BM - Back-Medium(30-60)	1469.1	15.6
BH - Back-High(60-80)	751.66	8.0
BVH - Back-Very High(80-90)	41.044	0.4
Total Back Light	2886.7	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	B2-U0-G2
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2886.7	0	2886.7
Street Side	6531.8	0	6531.8

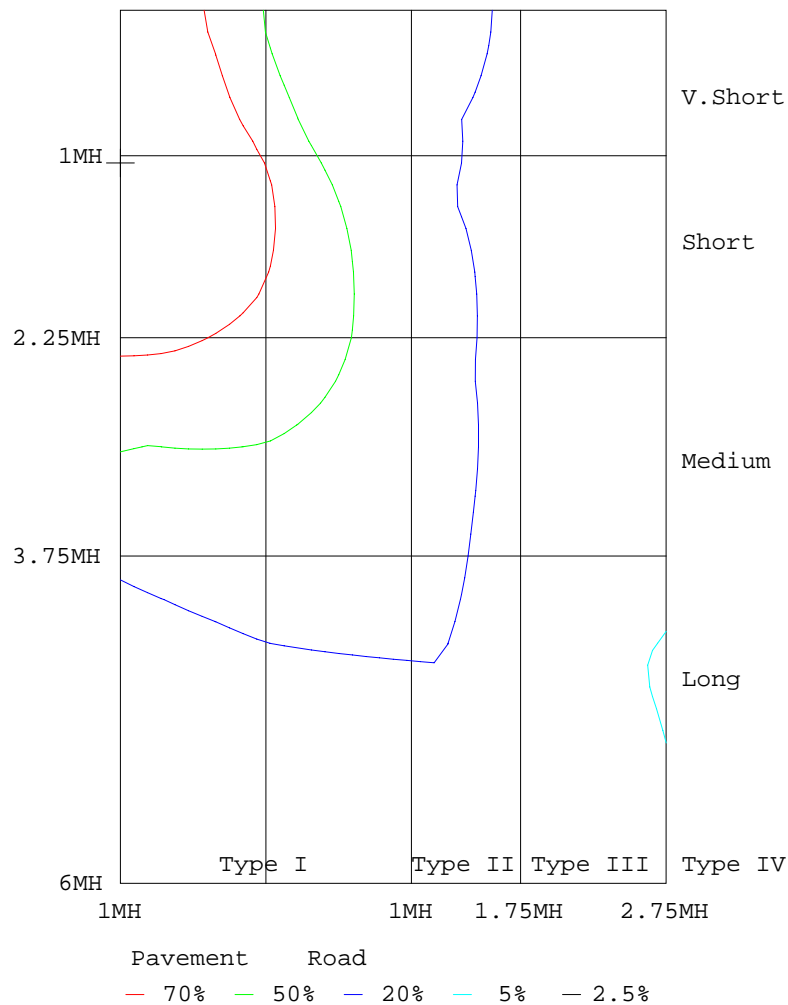
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-08-13

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:43.83V I:1.135A P:49.74W PF:1.000 Freq:0Hz Lamp Flux:9418.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-50WSE-DC-L5-00-5070-T402-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:2020-08-13

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:43.83V I:1.135A P:49.74W PF:1.000 Freq:0Hz Lamp Flux:9418.5x1 lm																		
NAME: AOK SE									TYPE:LED STREET LIGHT					WEIGHT:				
SPEC.:AOK-50WSE-DC-L5-00-5070-T402-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	1771	1771	1771	1771	1771	1771	1771	1771	1771	1771	1771	1771	1771	1771	1771	1771	1771	1771	1771
5	1781	1815	1847	1873	1897	1908	1910	1908	1897	1873	1847	1815	1781	1745	1710	1679	1654	1636	1630
10	1804	1871	1941	2004	2054	2079	2085	2079	2054	2004	1941	1871	1804	1731	1655	1587	1533	1497	1484
15	1850	1952	2066	2164	2240	2274	2278	2274	2240	2164	2066	1952	1850	1735	1613	1506	1426	1376	1357
20	1912	2057	2219	2361	2450	2477	2477	2477	2450	2361	2219	2057	1912	1747	1575	1429	1322	1256	1231
25	1989	2182	2396	2588	2680	2685	2673	2685	2680	2588	2396	2182	1989	1767	1540	1349	1216	1136	1106
30	2081	2325	2606	2862	2908	2848	2801	2848	2908	2862	2606	2325	2081	1796	1506	1264	1105	1018	988
35	2188	2498	2882	3155	3070	2931	2862	2931	3070	3155	2882	2498	2188	1828	1461	1170	997	916	888
40	2331	2750	3171	3349	3162	2962	2860	2962	3162	3349	3171	2750	2331	1871	1415	1085	911	842	820
45	2543	2968	3370	3509	3250	2932	2781	2932	3250	3509	3370	2968	2543	1949	1380	1012	855	809	792
50	2661	3058	3455	3656	3296	2829	2604	2829	3296	3656	3455	3058	2661	2069	1356	948	813	795	790
55	2690	3052	3424	3720	3282	2612	2368	2612	3282	3720	3424	3052	2690	2124	1319	876	766	770	774
60	2636	2961	3295	3667	3145	2297	2048	2297	3145	3667	3295	2961	2636	2068	1234	774	686	674	673
65	2476	2770	3033	3458	2832	1864	1609	1864	2832	3458	3033	2770	2476	1885	1063	623	520	506	519
70	2028	2258	2593	3032	2271	1212	952	1212	2271	3032	2593	2258	2028	1563	788	397	351	374	394
75	1109	1032	1843	2335	1350	435	293	435	1350	2335	1843	1032	1109	1071	412	228	231	253	270
80	338	237	797	1126	394	177	146	177	394	1126	797	237	338	504	153	120	125	134	128
85	49.8	48.2	106	232	119	90.4	75.1	90.4	119	232	106	48.2	49.8	89.2	43.3	46.9	60.0	67.0	68.1
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:43.83V I:1.135A P:49.74W PF:1.000 Freq:0Hz Lamp Flux:9418.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-50WSE-DC-L5-00-5070-T402-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	1771	1771	1771	1771	1771														
5	1636	1654	1679	1710	1745														
10	1497	1533	1587	1655	1731														
15	1376	1426	1506	1613	1735														
20	1256	1322	1429	1575	1747														
25	1136	1216	1349	1540	1767														
30	1018	1105	1264	1506	1796														
35	916	997	1170	1461	1828														
40	842	911	1085	1415	1871														
45	809	855	1012	1380	1949														
50	795	813	948	1356	2069														
55	770	766	876	1319	2124														
60	674	686	774	1234	2068														
65	506	520	623	1063	1885														
70	374	351	397	788	1563														
75	253	231	228	412	1071														
80	134	125	120	153	504														
85	67.0	60.0	46.9	43.3	89.2														
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
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.802m [K=1.0000]
Remarks: