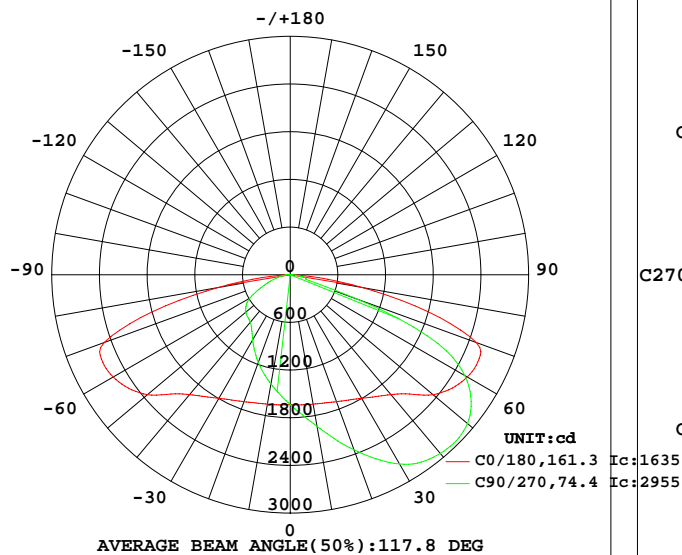
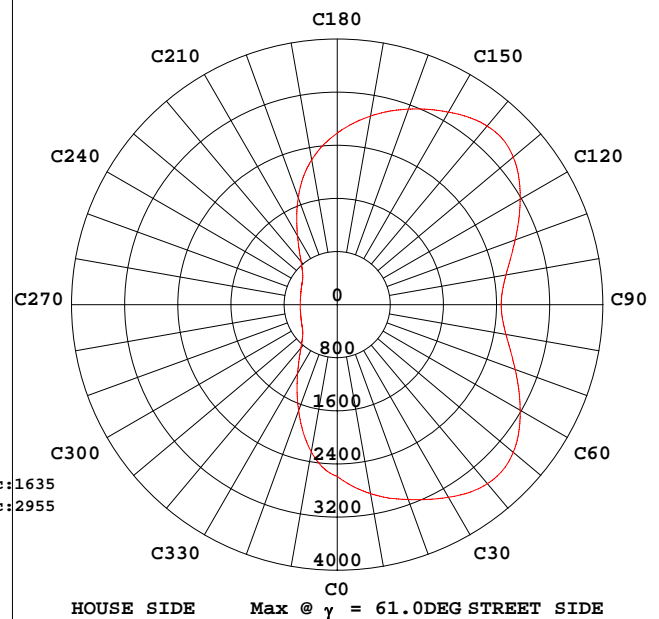


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:43.86V I:1.135A P:49.77W PF:1.000 Freq:0Hz Lamp Flux:9399.83x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-50WSE-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: 188.86 lm/W			
MODEL	5050	I _{max} (cd)	3525	η street_up(%)	0.0
NOMINAL POWER(W)	50	LOR(%)	100.0	η street_down(%)	69.8
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	9400	η house_up(%)	0.0
NOMINAL FLUX(lm)	9399.83	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	21.225

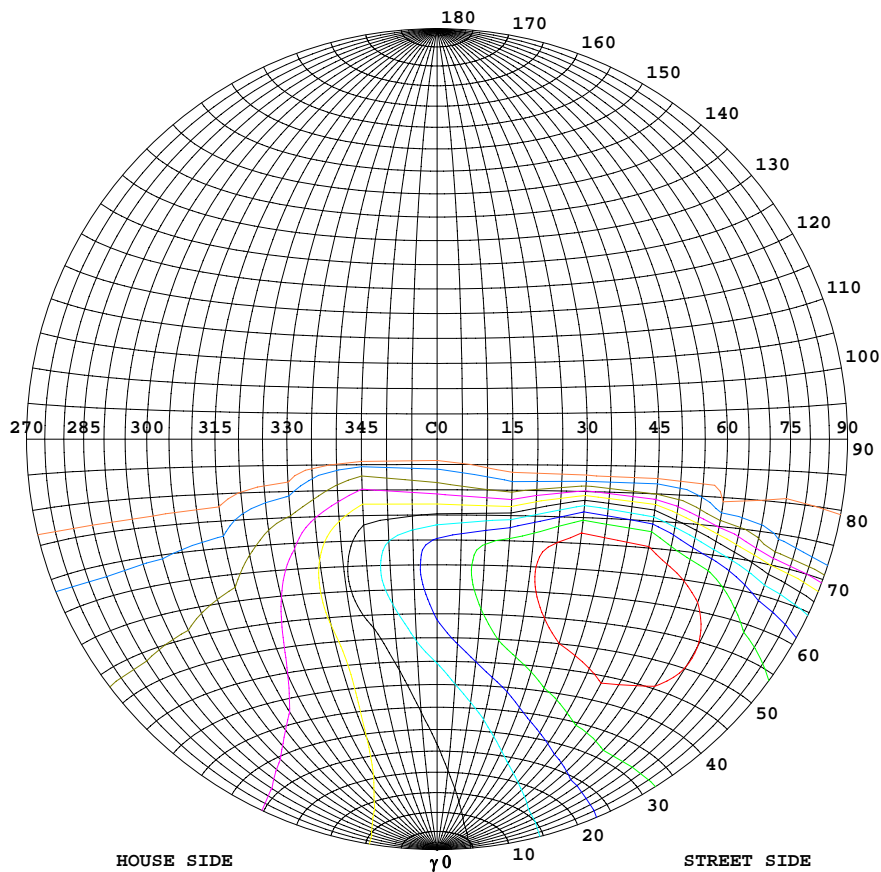
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:43.86V I:1.135A P:49.77W PF:1.000 Freq:0Hz Lamp Flux:9399.83x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-50WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:



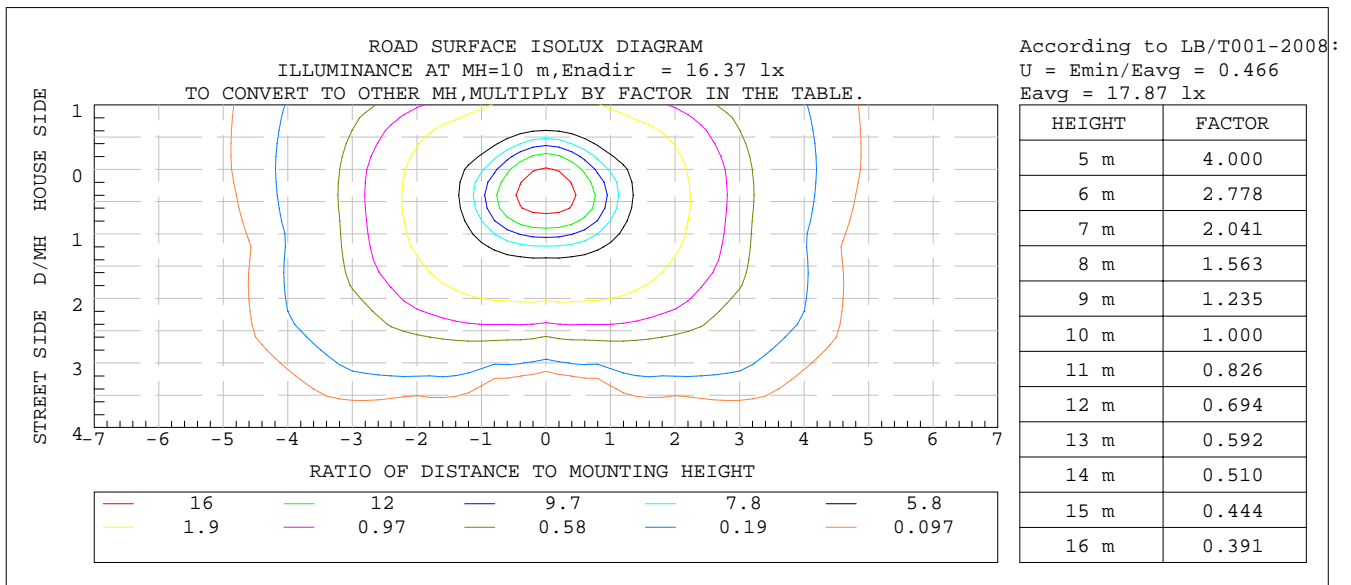
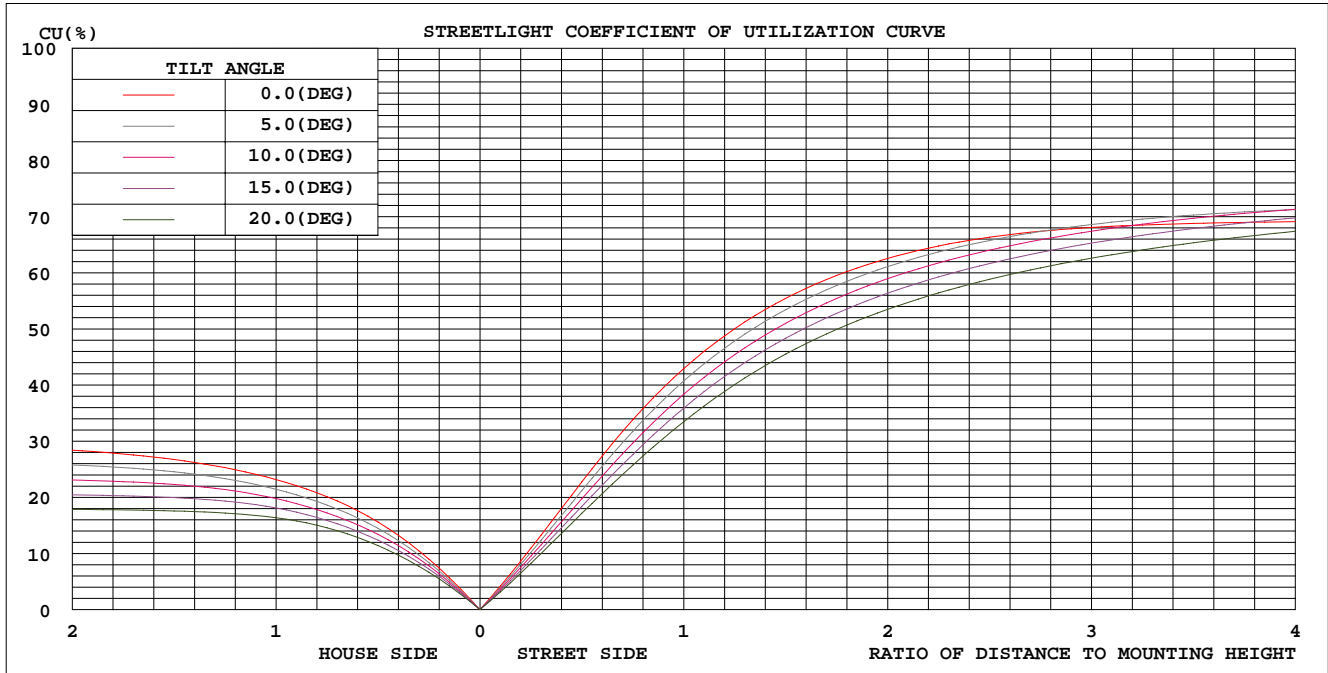
Classification:

IES:Type IV - Short
 CIE:Broad - Intermediate
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:117.3cd/klm
 Max.At90:0cd/klm
 Max.80-90:117.3cd/klm
 NRB 5101:Semi limited[23.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	3525
90%	3173
80%	2820
70%	2468
60%	2115
50%	1763
40%	1410
30%	1058
20%	705
10%	353
5%	176

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:43.86V I:1.135A P:49.77W PF:1.000 Freq:0Hz Lamp Flux:9399.83x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-50WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

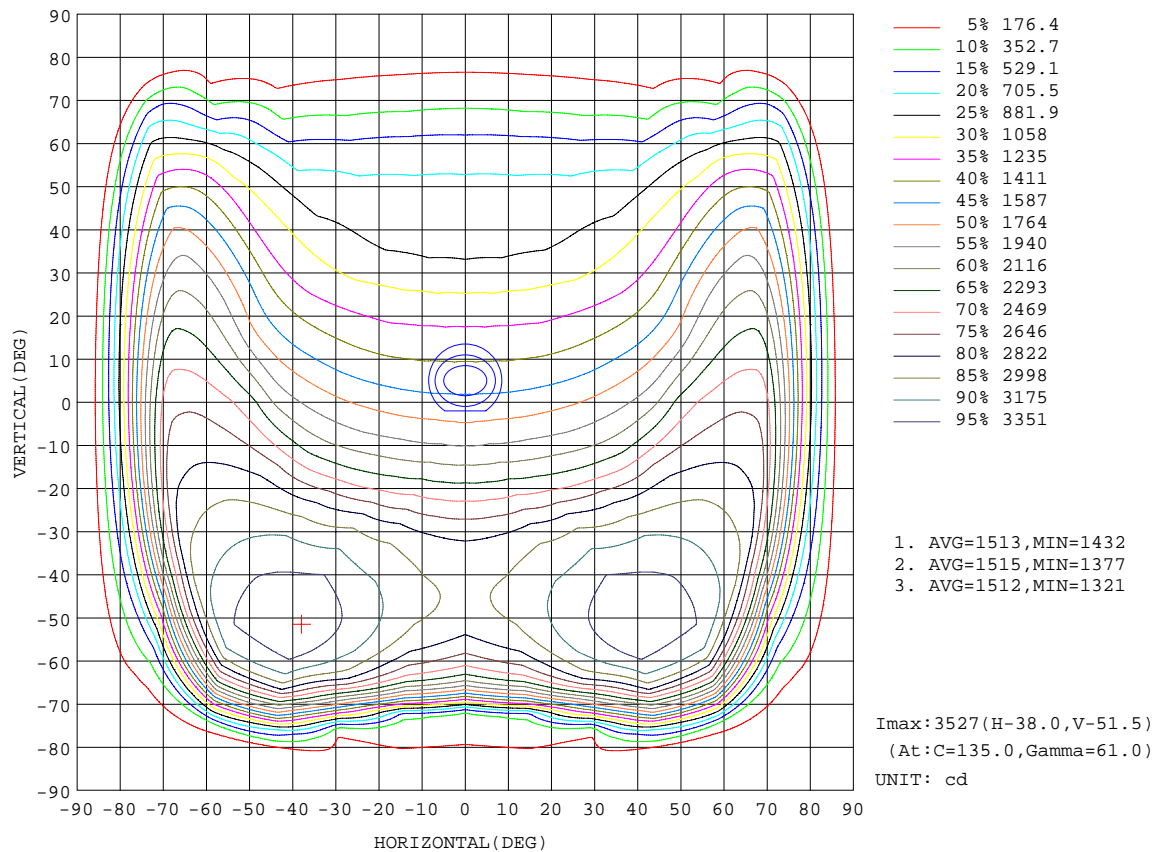
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	1654	1852	1934	1852	1654	1469	1397	1469	0- 10	157.4	157.4	1.67,1.67
20	1700	2156	2344	2156	1700	1316	1176	1316	10- 20	481.3	638.7	6.79,6.79
30	1796	2575	2750	2575	1796	1170	947.1	1170	20- 30	828.9	1468	15.6,15.6
40	1970	3060	2936	3060	1970	1026	783.4	1026	30- 40	1203	2670	28.4,28.4
50	2348	3352	2911	3352	2348	918.7	730.1	918.7	40- 50	1579	4249	45.2,45.2
60	2573	3524	2536	3524	2573	769.0	587.6	769.0	50- 60	1898	6147	65.4,65.4
70	2488	3192	903.7	3192	2488	444.7	308.3	444.7	60- 70	1938	8085	86,86
80	916.9	686.6	166.7	686.6	916.9	126.4	132.8	126.4	70- 80	1149	9233	98.2,98.2
90	0	0	0	0	0	0	0	0	80- 90	166.6	9400	100,100
100	0	0	0	0	0	0	0	0	90-100	0	9400	100,100
110	0	0	0	0	0	0	0	0	100-110	0	9400	100,100
120	0	0	0	0	0	0	0	0	110-120	0	9400	100,100
130	0	0	0	0	0	0	0	0	120-130	0	9400	100,100
140	0	0	0	0	0	0	0	0	130-140	0	9400	100,100
150	0	0	0	0	0	0	0	0	140-150	0	9400	100,100
160	0	0	0	0	0	0	0	0	150-160	0	9400	100,100
170	0	0	0	0	0	0	0	0	160-170	0	9400	100,100
180	0	0	0	0	0	0	0	0	170-180	0	9400	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

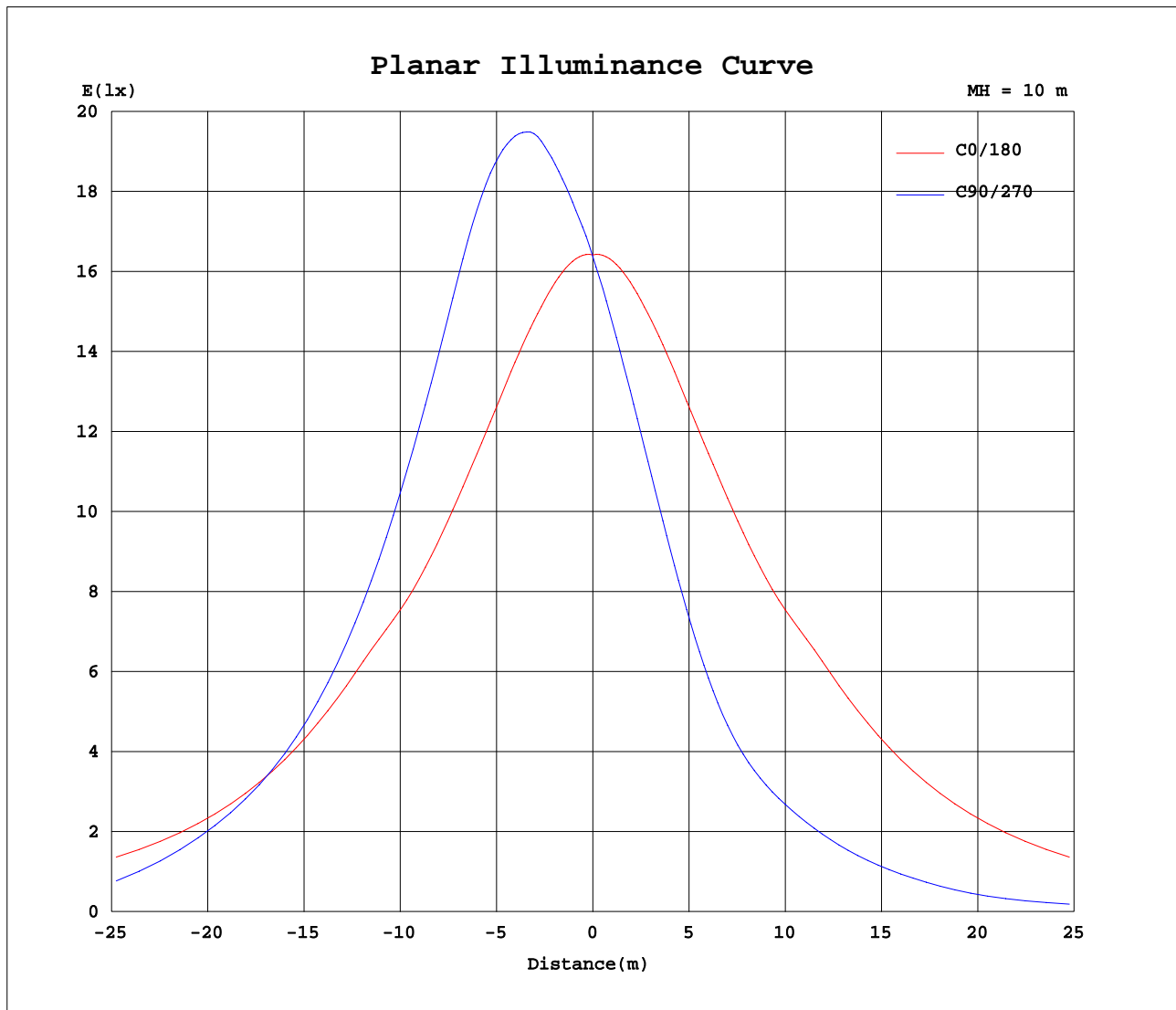
Test:U:43.86V I:1.135A P:49.77W PF:1.000 Freq:0Hz Lamp Flux:9399.83x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-50WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:



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



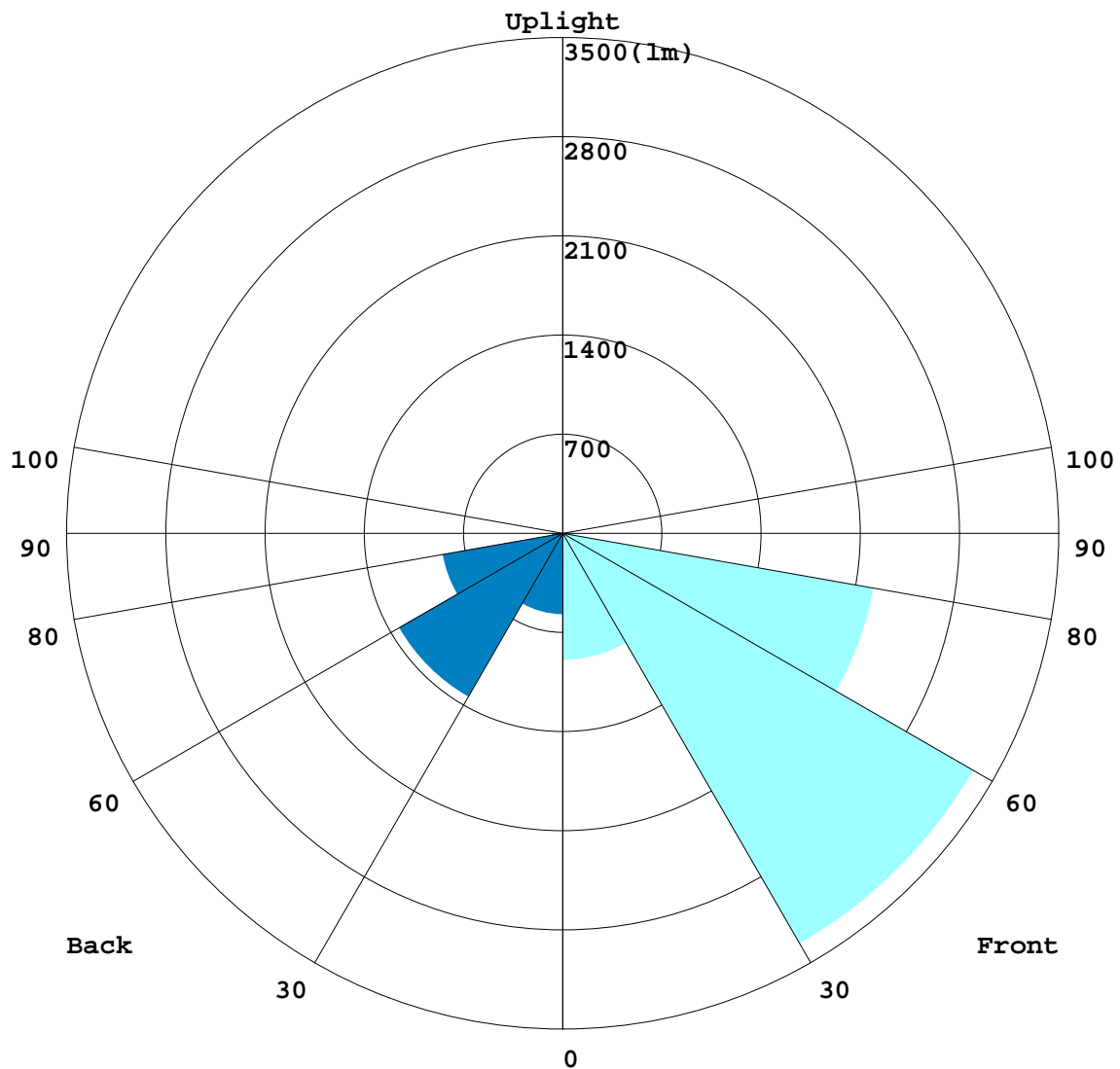
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-08-14

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:43.86V I:1.135A P:49.77W PF:1.000 Freq:0Hz Lamp Flux:9399.83x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-50WSE-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:43.86V I:1.135A P:49.77W PF:1.000 Freq:0Hz Lamp Flux:9399.83x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-50WSE-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)	894.54	9.5
FM - Front-Medium(30-60)	3346.6	35.6
FH - Front-High(60-80)	2227.5	23.7
FVH - Front-Very High(80-90)	88.556	0.9
Total Forward Light	6557.2	69.8

BL - Back-Low(0-30)	573.03	6.1
BM - Back-Medium(30-60)	1332.5	14.2
BH - Back-High(60-80)	859.07	9.1
BVH - Back-Very High(80-90)	78.026	0.8
Total Back Light	2842.6	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
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2842.6	0	2842.6
Street Side	6557.2	0	6557.2

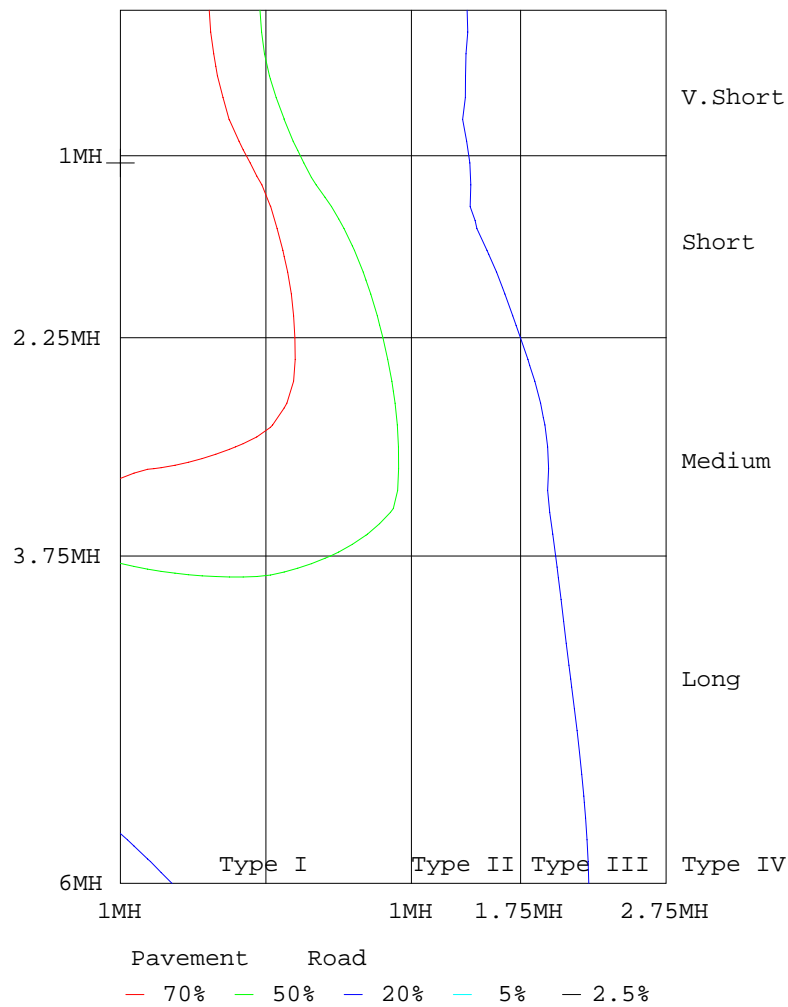
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-08-14

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:43.86V I:1.135A P:49.77W PF:1.000 Freq:0Hz Lamp Flux:9399.83x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-50WSE-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:43.86V I:1.135A P:49.77W PF:1.000 Freq:0Hz Lamp Flux:9399.83x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-50WSE-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(DEC)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
γ (DEC)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1635	1635	1635	1635	1635	1635	1635	1635	1635	1635	1635	1635	1635	1635	1635	1635	1635	1635	1635
5	1644	1677	1709	1736	1756	1767	1770	1767	1756	1736	1709	1677	1644	1610	1579	1552	1531	1517	1511
10	1654	1724	1791	1852	1899	1926	1934	1926	1899	1852	1791	1724	1654	1584	1522	1469	1431	1407	1397
15	1671	1781	1890	1989	2072	2121	2134	2121	2072	1989	1890	1781	1671	1564	1469	1391	1335	1300	1287
20	1700	1854	2010	2156	2273	2331	2344	2331	2273	2156	2010	1854	1700	1552	1421	1316	1241	1194	1176
25	1740	1937	2148	2345	2489	2546	2555	2546	2489	2345	2148	1937	1740	1548	1378	1243	1143	1083	1062
30	1796	2045	2311	2575	2733	2761	2750	2761	2733	2575	2311	2045	1796	1553	1341	1170	1048	973	947
35	1872	2176	2535	2848	2943	2912	2878	2912	2943	2848	2535	2176	1872	1571	1303	1096	953	873	846
40	1970	2371	2777	3060	3065	2988	2936	2988	3065	3060	2777	2371	1970	1594	1266	1026	872	805	783
45	2124	2624	2987	3213	3154	3032	2955	3032	3154	3213	2987	2624	2124	1632	1236	968	822	773	756
50	2348	2820	3159	3352	3234	3028	2911	3028	3234	3352	3159	2820	2348	1708	1222	919	785	744	730
55	2488	2941	3277	3468	3268	2949	2779	2949	3268	3468	3277	2941	2488	1857	1217	858	727	687	678
60	2573	3008	3341	3524	3208	2758	2536	2758	3208	3524	3341	3008	2573	1973	1203	769	638	597	588
65	2604	3023	3361	3457	3006	2369	2052	2369	3006	3457	3361	3023	2604	2001	1153	640	501	447	433
70	2488	2884	3291	3192	2319	1391	904	1391	2319	3192	3291	2884	2488	1919	1023	445	332	305	308
75	1791	1897	2711	2331	1009	282	199	282	1009	2331	2711	1897	1791	1635	735	257	210	203	205
80	917	611	1103	687	162	186	167	186	162	687	1103	611	917	1089	296	126	122	131	133
85	249	83.7	105	124	118	99.9	83.4	99.9	118	124	105	83.7	249	271	50.1	50.4	63.1	71.1	68.6
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:43.86V I:1.135A P:49.77W PF:1.000 Freq:0Hz Lamp Flux:9399.83x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-50WSE-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	1635	1635	1635	1635	1635														
5	1517	1531	1552	1579	1610														
10	1407	1431	1469	1522	1584														
15	1300	1335	1391	1469	1564														
20	1194	1241	1316	1421	1552														
25	1083	1143	1243	1378	1548														
30	973	1048	1170	1341	1553														
35	873	953	1096	1303	1571														
40	805	872	1026	1266	1594														
45	773	822	968	1236	1632														
50	744	785	919	1222	1708														
55	687	727	858	1217	1857														
60	597	638	769	1203	1973														
65	447	501	640	1153	2001														
70	305	332	445	1023	1919														
75	203	210	257	735	1635														
80	131	122	126	296	1089														
85	71.1	63.1	50.4	50.1	271														
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: