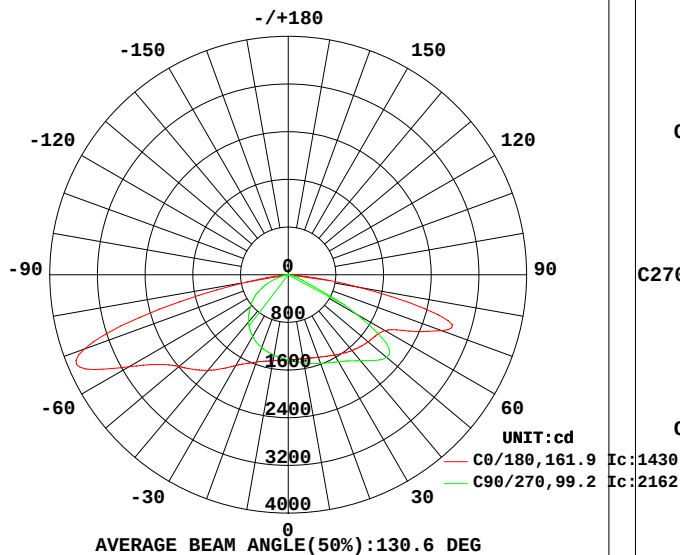
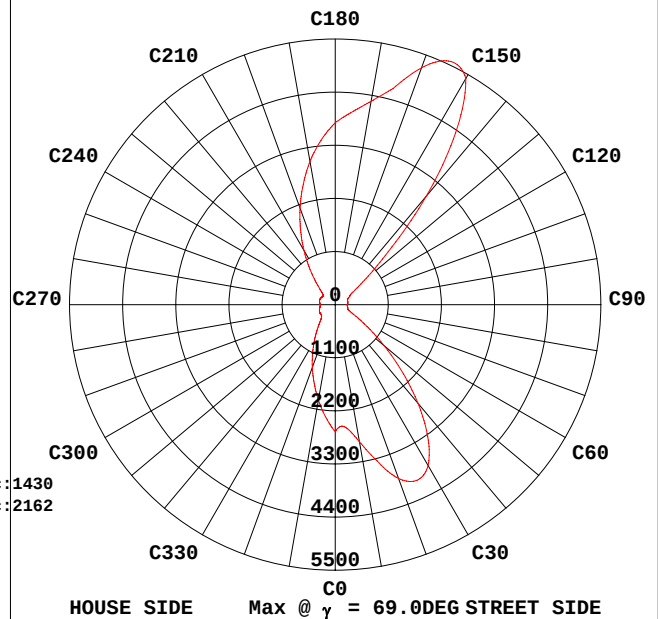


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.4V I:0.2758A P:58.50W PF:0.9669 Freq:60.01Hz Lamp Flux:7884.42x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-60WiLA-NVS-L3-00-3070-T301-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 134.79 lm/W			
MODEL	3030	I _{max} (cd)	5407	η street_up(%)	0.0
NOMINAL POWER(W)	60	LOR(%)	100.0	η street_down(%)	61.1
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	7884	η house_up(%)	0.0
NOMINAL FLUX(lm)	7884.42	MAXIMUM @(C,γ)	150,69.0	η house_down(%)	38.9
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	21.860

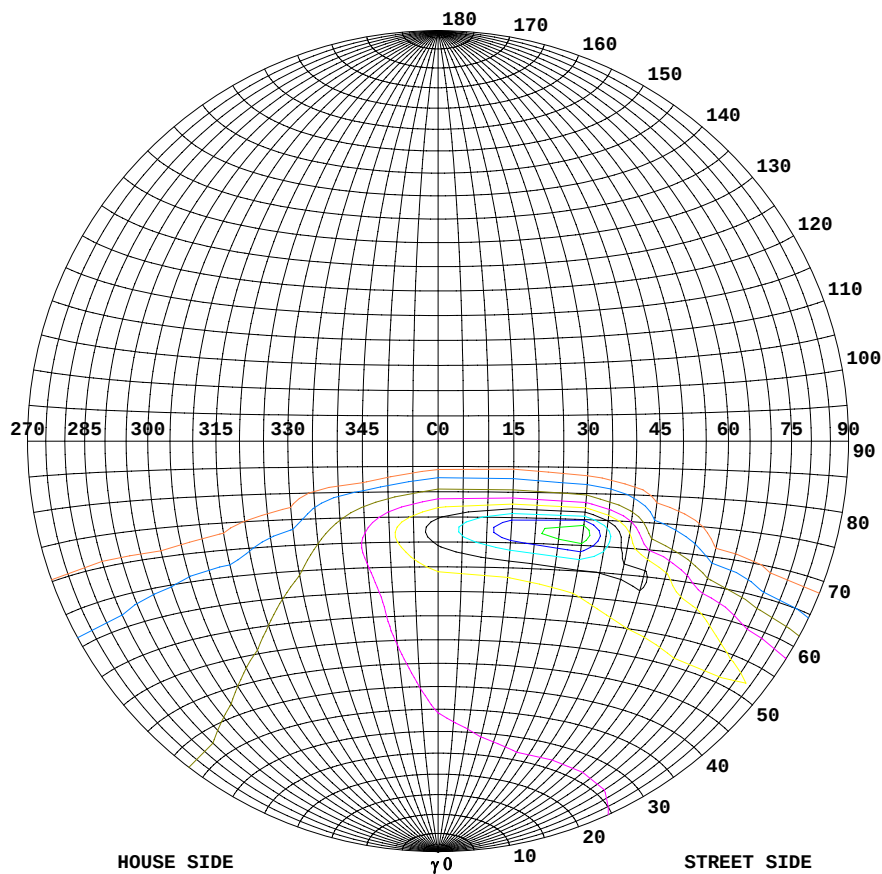
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.4V I:0.2758A P:58.50W PF:0.9669 Freq:60.01Hz Lamp Flux:7884.42x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Light Weight:3.6kg
SPEC.:AOK-60WiLA-NVS-L3-00-3070-T301-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:



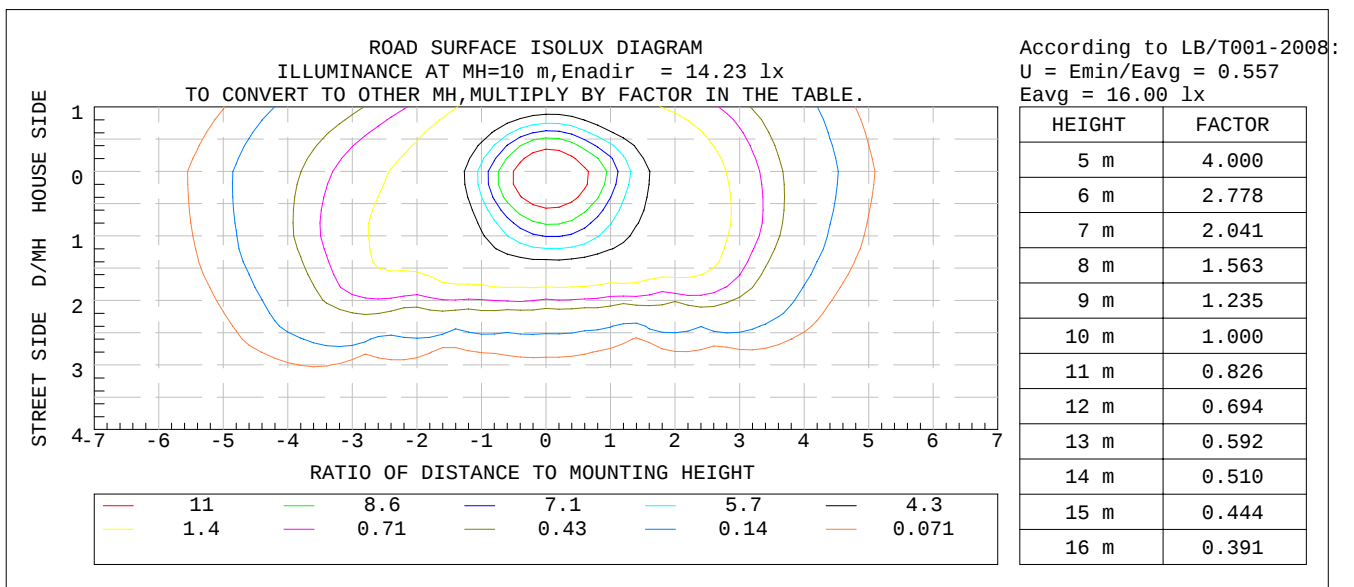
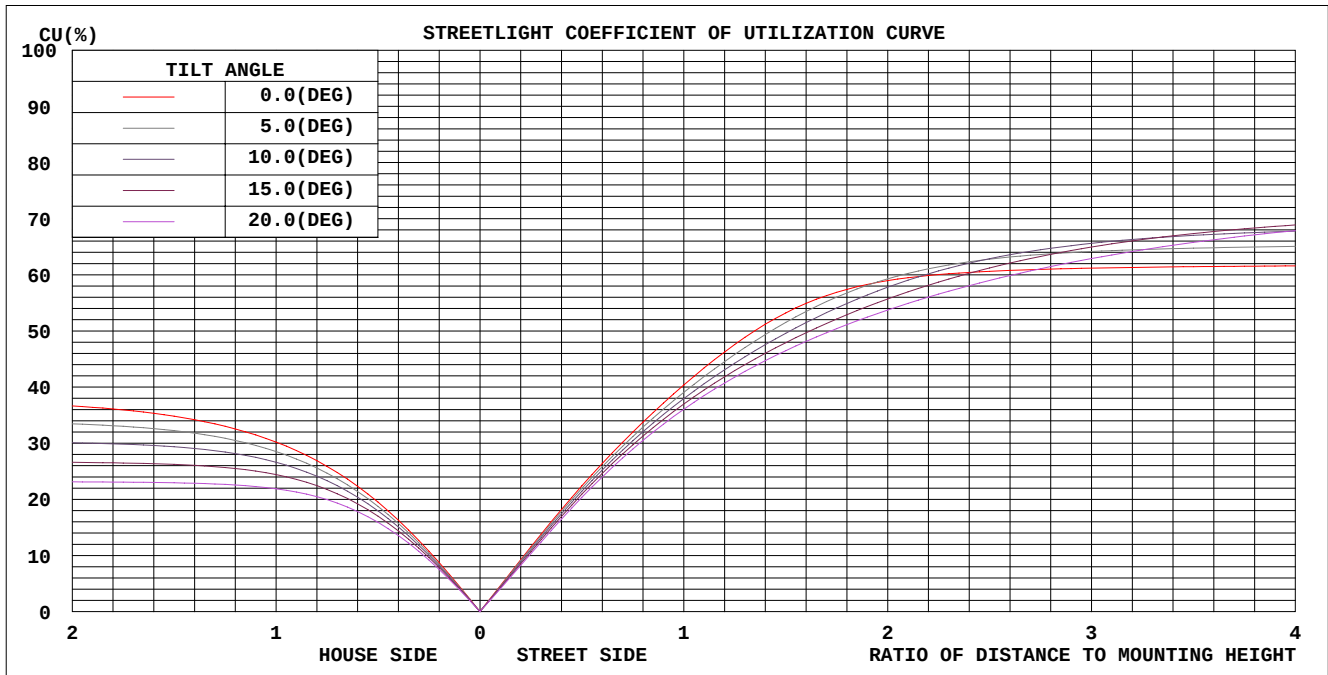
Classification:

IES:Type III - Medium
CIE:Broad - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:152.4cd/klm
Max.At90:0cd/klm
Max.80-90:152.4cd/klm
NRB 5101:Semi limited[12.1%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	5407
90%	4867
80%	4326
70%	3785
60%	3244
50%	2704
40%	2163
30%	1622
20%	1081
10%	541
5%	270

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [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: 2023-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.4V I:0.2758A P:58.50W PF:0.9669 Freq:60.01Hz Lamp Flux:7884.42x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-60WiLA-NVS-L3-00-3070-T301-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

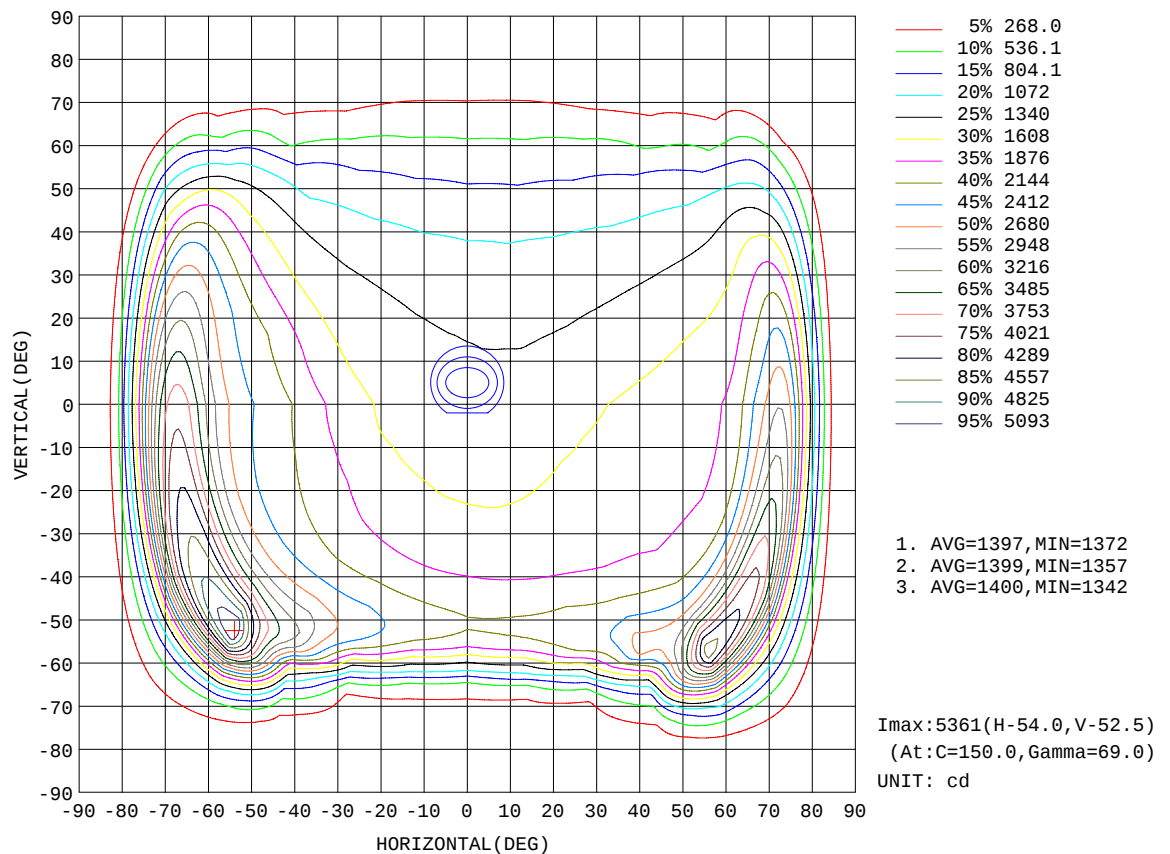
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum,lamp
10	1432	1479	1506	1503	1464	1404	1370	1381	0- 10	137.1	137.1	1.74,1.74
20	1474	1555	1585	1624	1558	1393	1303	1346	10- 20	414.1	551.2	6.99,6.99
30	1556	1645	1686	1788	1758	1388	1197	1306	20- 30	699.2	1250	15.9,15.9
40	1662	1743	1885	1993	2093	1346	1035	1233	30- 40	992.3	2243	28.4,28.4
50	1750	1936	2159	2379	2395	1230	829.7	1103	40- 50	1295	3538	44.9,44.9
60	1875	2515	1315	3158	3092	987.5	585.3	874.8	50- 60	1577	5114	64.9,64.9
70	2740	1583	220.0	1333	3642	385.5	280.1	371.3	60- 70	1661	6776	85.9,85.9
80	1194	192.6	45.95	116.4	700.0	74.59	68.73	83.50	70- 80	1018	7794	98.8,98.8
90	0	0	0	0	0	0	0	0	80- 90	90.79	7884	100,100
100	0	0	0	0	0	0	0	0	90-100	0	7884	100,100
110	0	0	0	0	0	0	0	0	100-110	0	7884	100,100
120	0	0	0	0	0	0	0	0	110-120	0	7884	100,100
130	0	0	0	0	0	0	0	0	120-130	0	7884	100,100
140	0	0	0	0	0	0	0	0	130-140	0	7884	100,100
150	0	0	0	0	0	0	0	0	140-150	0	7884	100,100
160	0	0	0	0	0	0	0	0	150-160	0	7884	100,100
170	0	0	0	0	0	0	0	0	160-170	0	7884	100,100
180	0	0	0	0	0	0	0	0	170-180	0	7884	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:2023-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

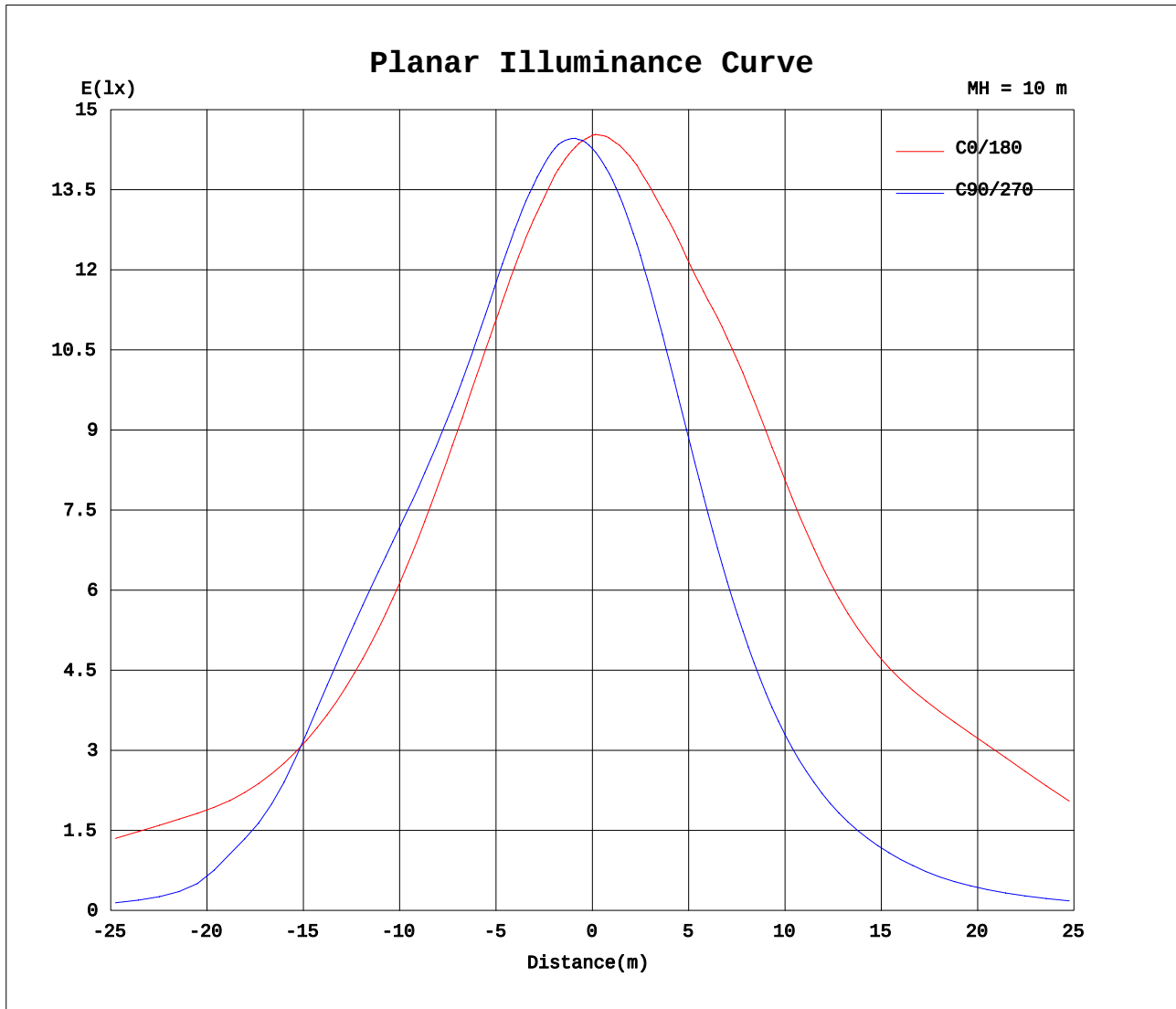
Test:U:219.4V I:0.2758A P:58.50W PF:0.9669 Freq:60.01Hz Lamp Flux:7884.42x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-60WiLA-NVS-L3-00-3070-T301-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

Planar Illuminance Curve



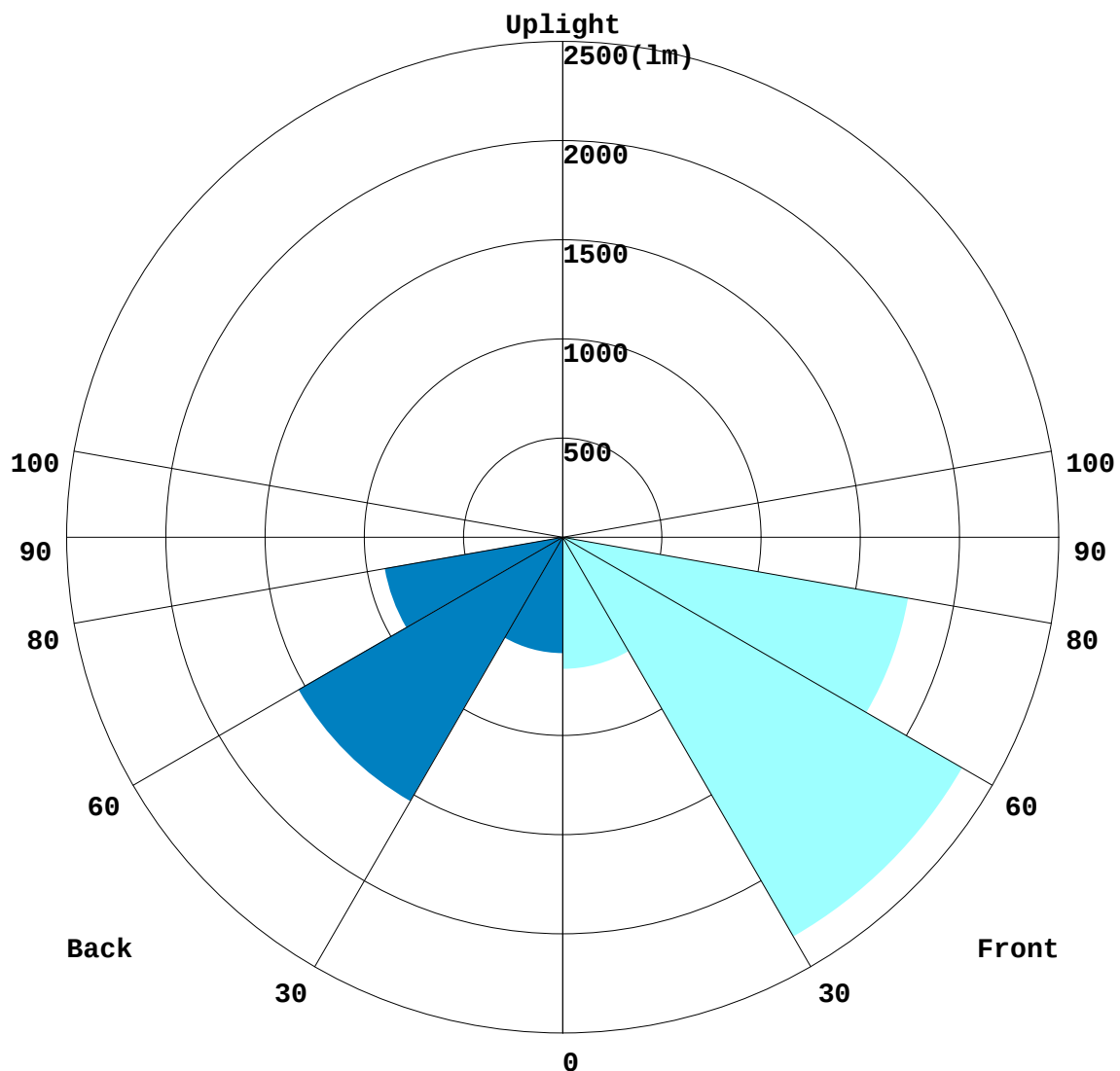
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

LCS REPORT

Test:U:219.4V I:0.2758A P:58.50W PF:0.9669 Freq:60.01Hz Lamp Flux:7884.42x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-60WiLA-NVS-L3-00-3070-T301-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

BUG REPORT

Test:U:219.4V I:0.2758A P:58.50W PF:0.9669 Freq:60.01Hz Lamp Flux:7884.42x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-60WiLA-NVS-L3-00-3070-T301-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	665.07	8.4
FM - Front-Medium(30-60)	2326.4	29.5
FH - Front-High(60-80)	1769	22.4
FVH - Front-Very High(80-90)	60.626	0.8
Total Forward Light	4821.1	61.1

BL - Back-Low(0-30)	585.36	7.4
BM - Back-Medium(30-60)	1537.4	19.5
BH - Back-High(60-80)	910.39	11.5
BVH - Back-Very High(80-90)	30.162	0.4
Total Back Light	3063.3	38.9

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	3063.3	0	3063.3
Street Side	4821.1	0	4821.1

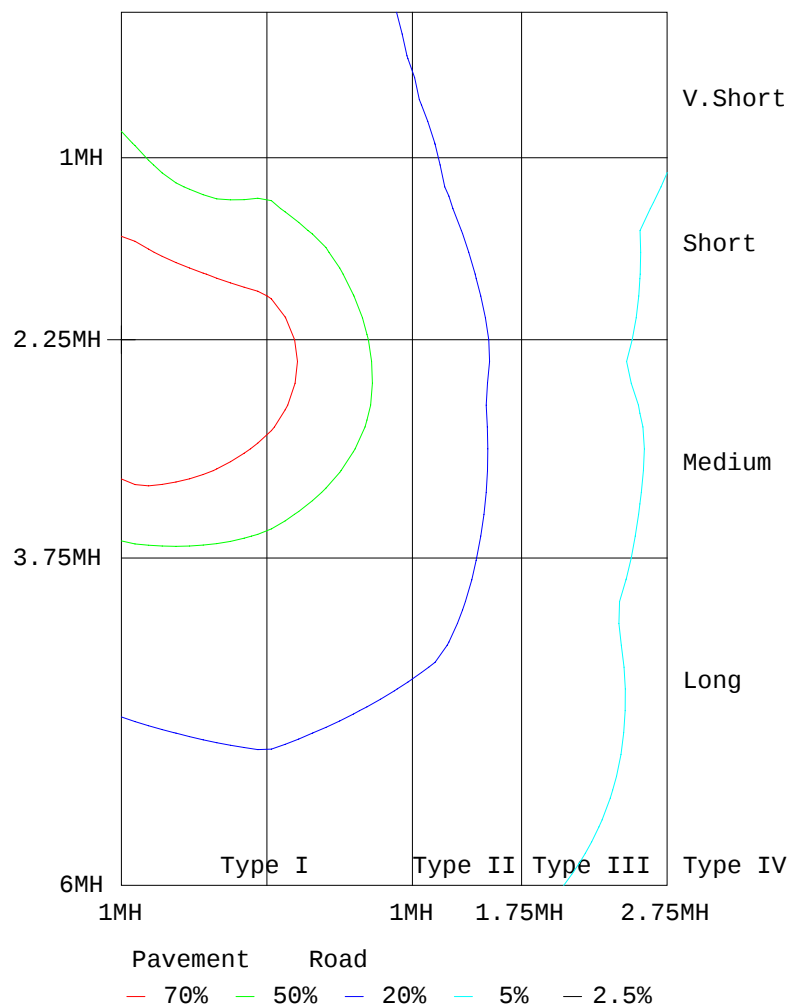
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.4V I:0.2758A P:58.50W PF:0.9669 Freq:60.01Hz Lamp Flux:7884.42x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Light Weight:3.6kg
SPEC.:AOK-60WiLA-NVS-L3-00-3070-T301-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.4V I:0.2758A P:58.50W PF:0.9669 Freq:60.01Hz Lamp Flux:7884.42x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-60WiLA-NVS-L3-00-3070-T301-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	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	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430
5	1425	1433	1442	1451	1459	1461	1466	1467	1465	1463	1458	1451	1442	1431	1423	1415	1408	1403	1400
10	1432	1449	1466	1479	1492	1499	1506	1508	1507	1503	1494	1484	1464	1445	1425	1404	1389	1377	1370
15	1445	1470	1496	1513	1528	1534	1541	1551	1559	1559	1549	1531	1501	1469	1432	1397	1372	1353	1339
20	1474	1509	1537	1555	1565	1573	1585	1599	1614	1624	1626	1602	1558	1507	1445	1393	1355	1321	1303
25	1510	1560	1592	1602	1604	1611	1631	1650	1674	1703	1725	1706	1643	1561	1469	1392	1331	1280	1256
30	1556	1615	1644	1645	1652	1659	1686	1712	1749	1788	1831	1831	1758	1625	1498	1388	1299	1230	1197
35	1608	1671	1691	1690	1706	1726	1765	1797	1840	1880	1943	1978	1921	1722	1524	1372	1254	1164	1122
40	1662	1722	1734	1743	1783	1831	1885	1926	1965	1993	2061	2127	2093	1867	1554	1346	1192	1083	1035
45	1708	1766	1772	1814	1911	1978	2035	2096	2144	2142	2190	2256	2246	2027	1587	1301	1110	986	934
50	1750	1793	1816	1936	2097	2141	2159	2260	2382	2379	2357	2393	2395	2161	1616	1230	1007	880	830
55	1788	1827	1903	2157	2308	2142	2010	2207	2557	2743	2657	2639	2626	2295	1635	1127	886	764	719
60	1875	1928	2109	2515	2236	1549	1315	1522	2202	3158	3297	3240	3092	2477	1627	987	744	628	585
65	2237	2412	2648	2784	1305	705	476	602	1134	2933	4591	4330	3743	2645	1533	739	523	466	439
70	2740	3630	4199	1583	396	240	220	235	266	1333	5293	4553	3642	2490	1197	386	287	300	280
75	2612	3603	3668	598	149	126	114	119	133	445	2227	2622	2229	1603	536	211	152	144	140
80	1194	1202	998	193	60.7	50.6	45.9	47.9	52.5	116	418	635	700	489	139	74.6	73.4	68.6	68.7
85	187	205	109	29.8	11.9	10.1	8.01	9.01	9.75	15.9	37.0	53.5	54.1	24.3	21.6	22.0	25.0	22.7	23.8
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:2023-07-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.4V I:0.2758A P:58.50W PF:0.9669 Freq:60.01Hz Lamp Flux:7884.42x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-60WiLA-NVS-L3-00-3070-T301-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345													
0	1430	1430	1430	1430	1430													
5	1399	1398	1402	1407	1415													
10	1367	1370	1381	1396	1414													
15	1336	1345	1362	1385	1416													
20	1301	1316	1346	1383	1433													
25	1256	1284	1329	1381	1446													
30	1198	1241	1306	1379	1466													
35	1130	1186	1275	1378	1489													
40	1046	1121	1233	1368	1513													
45	949	1040	1180	1351	1542													
50	847	943	1103	1319	1569													
55	738	828	1002	1268	1586													
60	608	704	875	1188	1594													
65	461	531	689	1064	1626													
70	304	315	371	802	1690													
75	147	162	216	396	1375													
80	68.9	78.1	83.5	155	596													
85	23.7	27.0	25.2	26.1	42.8													
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:2023-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks: