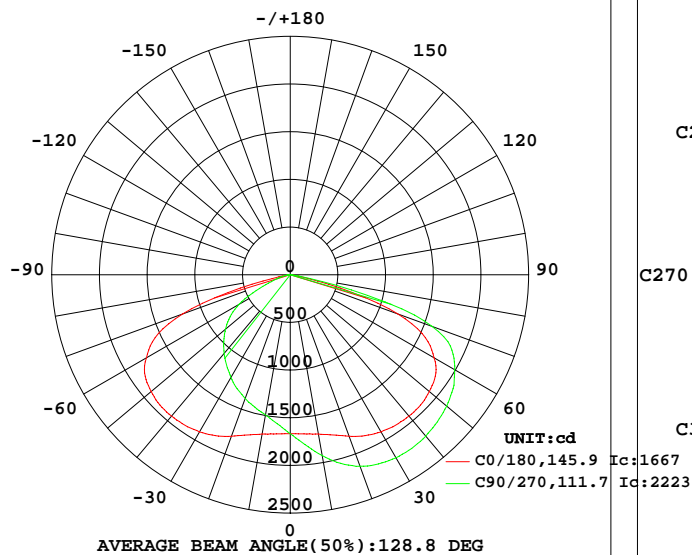
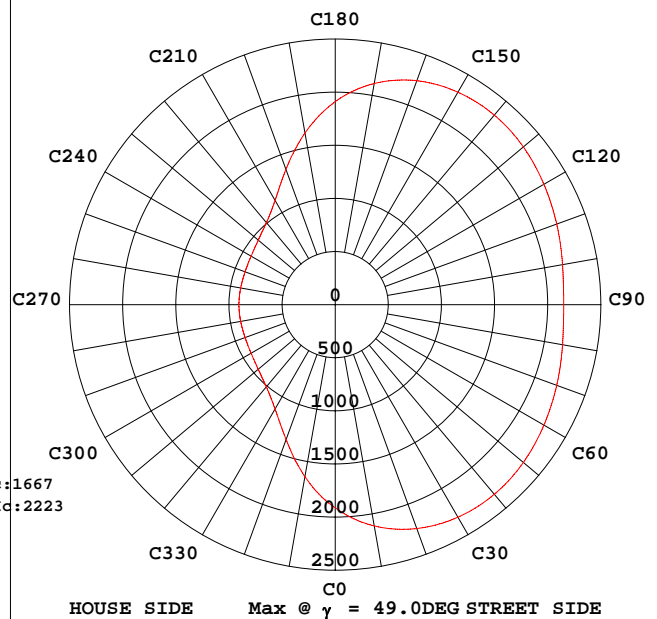


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.2335A P:49.67W PF:0.9703 Freq:49.99Hz Lamp Flux:7455.38x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T411-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 150.11 lm/W			
MODEL	3030	I _{max} (cd)	2324	η street_up(%)	0.0
NOMINAL POWER(W)	50	LOR(%)	100.0	η street_down(%)	68.1
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	7455	η house_up(%)	0.0
NOMINAL FLUX(lm)	7455.38	MAXIMUM @(C,γ)	135,49.0	η house_down(%)	31.9
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	17.752

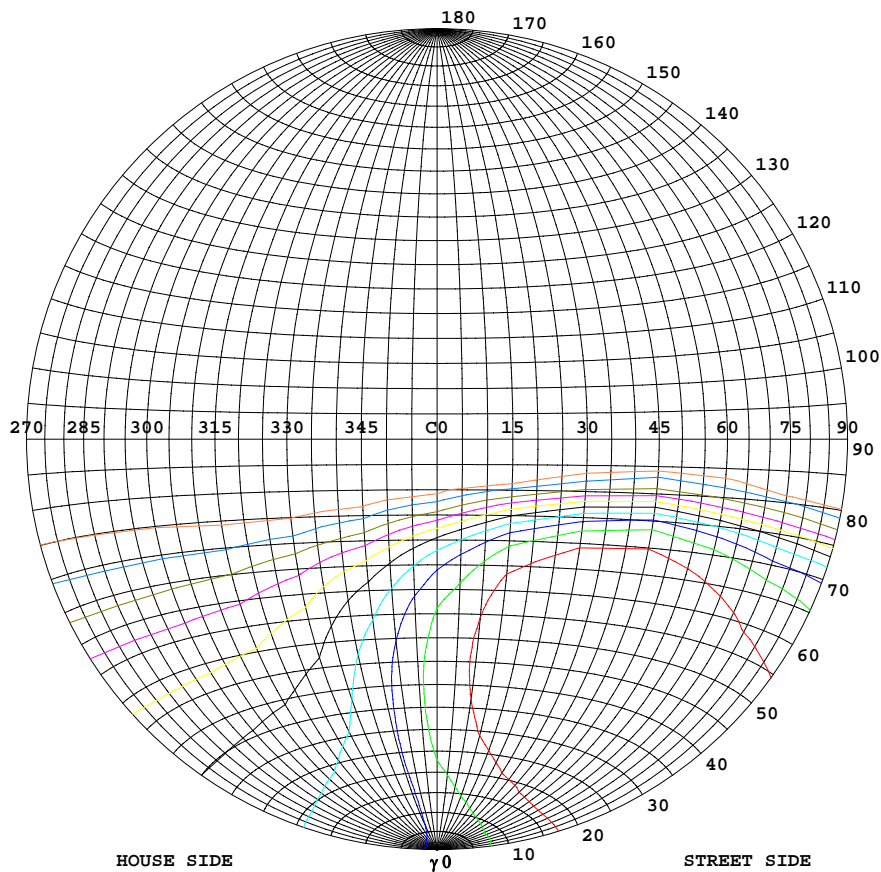
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-04-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.2V I:0.2335A P:49.67W PF:0.9703 Freq:49.99Hz Lamp Flux:7455.38x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T411-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



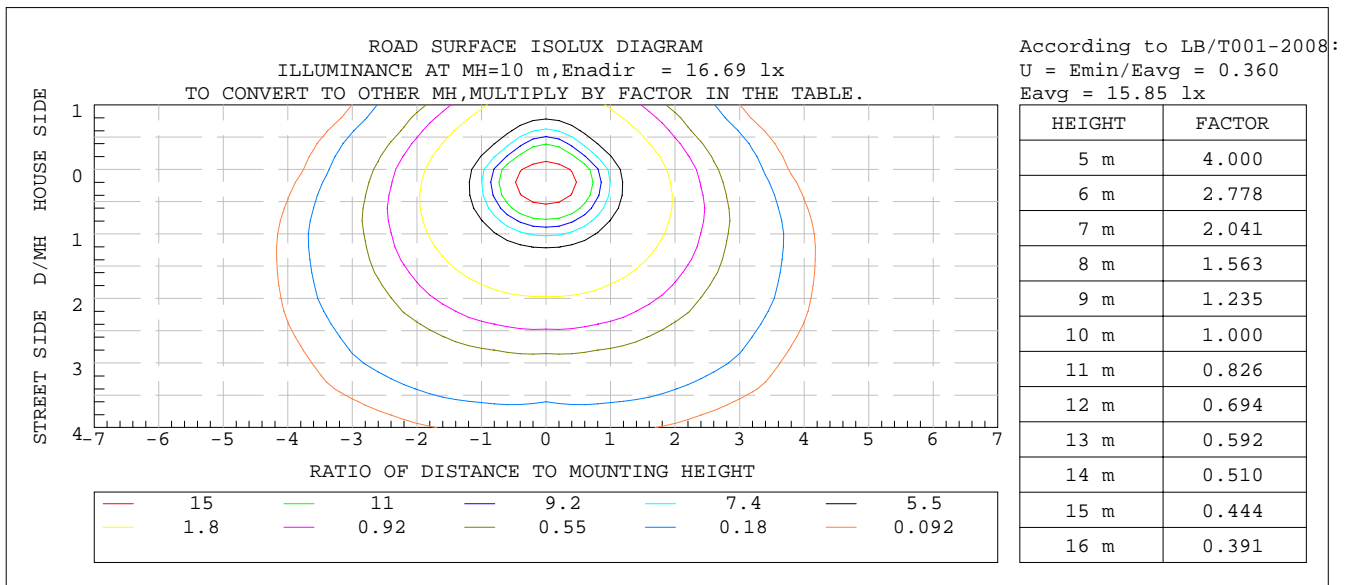
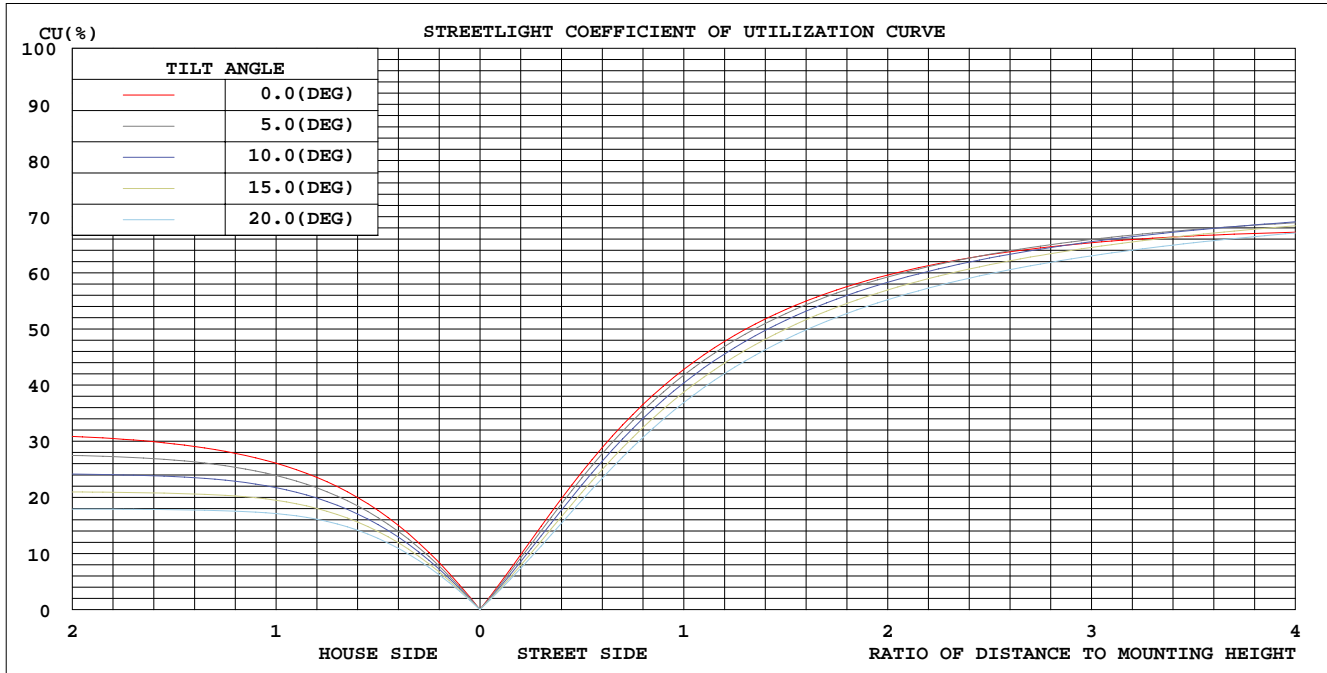
Classification:

IES:Type IV - Very Short
CIE:Broad - Short
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:83.85cd/klm
Max.At90:0cd/klm
Max.80-90:83.85cd/klm
NRB 5101:Semi limited[15.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2324
90%	2092
80%	1860
70%	1627
60%	1395
50%	1162
40%	930
30%	697
20%	465
10%	232
5%	116

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-04-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [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: 2020-04-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.801m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.2V I:0.2335A P:49.67W PF:0.9703 Freq:49.99Hz Lamp Flux:7455.38x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T411-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

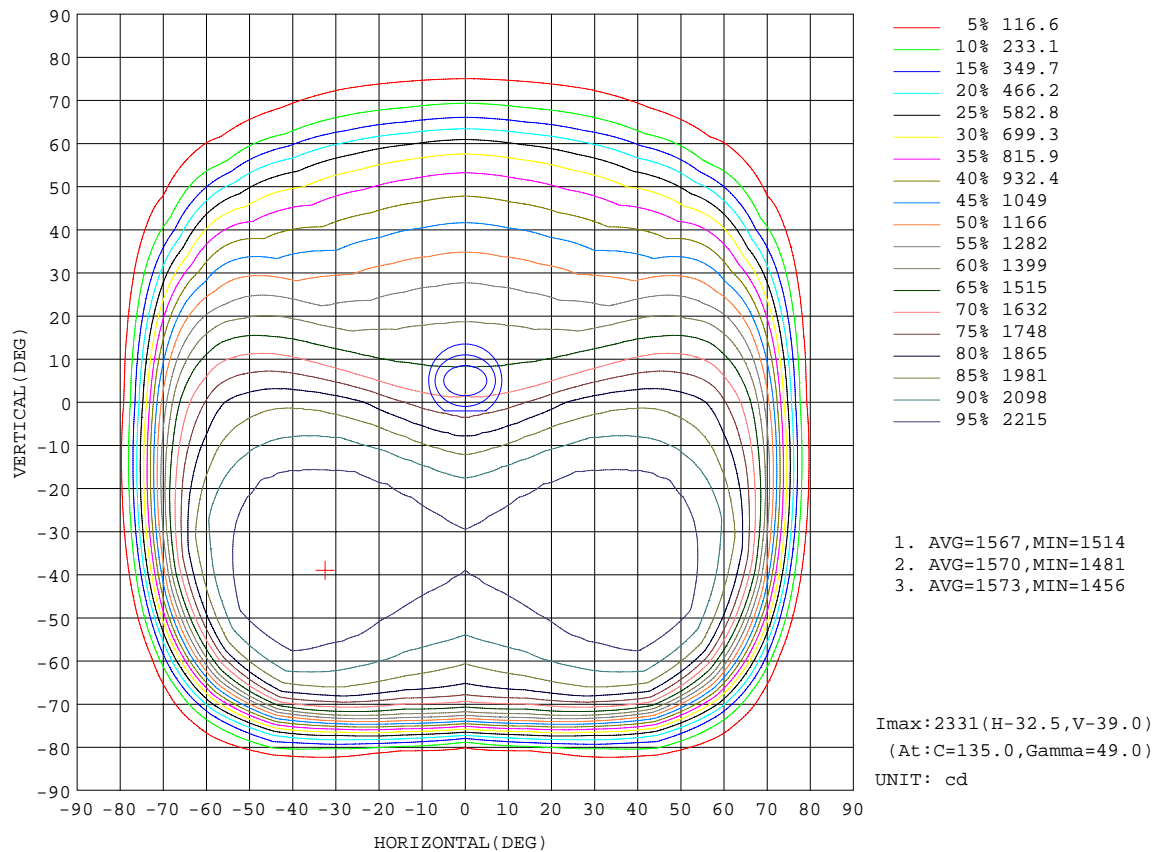
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
10	1697	1879	1925	1879	1697	1544	1493	1544	0- 10	161.1	161.1	2.16,2.16
20	1802	2118	2136	2118	1802	1444	1381	1444	10- 20	496.4	657.5	8.82,8.82
30	1903	2249	2218	2249	1903	1318	1244	1318	20- 30	829.9	1487	20,20
40	1936	2311	2210	2311	1936	1154	1078	1154	30- 40	1117	2604	34.9,34.9
50	1905	2322	2143	2322	1905	951.1	886.2	951.1	40- 50	1329	3934	52.8,52.8
60	1741	2283	1991	2283	1741	679.6	618.5	679.6	50- 60	1432	5366	72,72
70	1198	2079	1579	2079	1198	217.7	211.5	217.7	60- 70	1320	6686	89.7,89.7
80	85.29	625.1	121.2	625.1	85.29	47.13	52.54	47.13	70- 80	716.2	7402	99.3,99.3
90	0	0	0	0	0	0	0	0	80- 90	53.33	7455	100,100
100	0	0	0	0	0	0	0	0	90-100	0	7455	100,100
110	0	0	0	0	0	0	0	0	100-110	0	7455	100,100
120	0	0	0	0	0	0	0	0	110-120	0	7455	100,100
130	0	0	0	0	0	0	0	0	120-130	0	7455	100,100
140	0	0	0	0	0	0	0	0	130-140	0	7455	100,100
150	0	0	0	0	0	0	0	0	140-150	0	7455	100,100
160	0	0	0	0	0	0	0	0	150-160	0	7455	100,100
170	0	0	0	0	0	0	0	0	160-170	0	7455	100,100
180	0	0	0	0	0	0	0	0	170-180	0	7455	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:2020-04-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

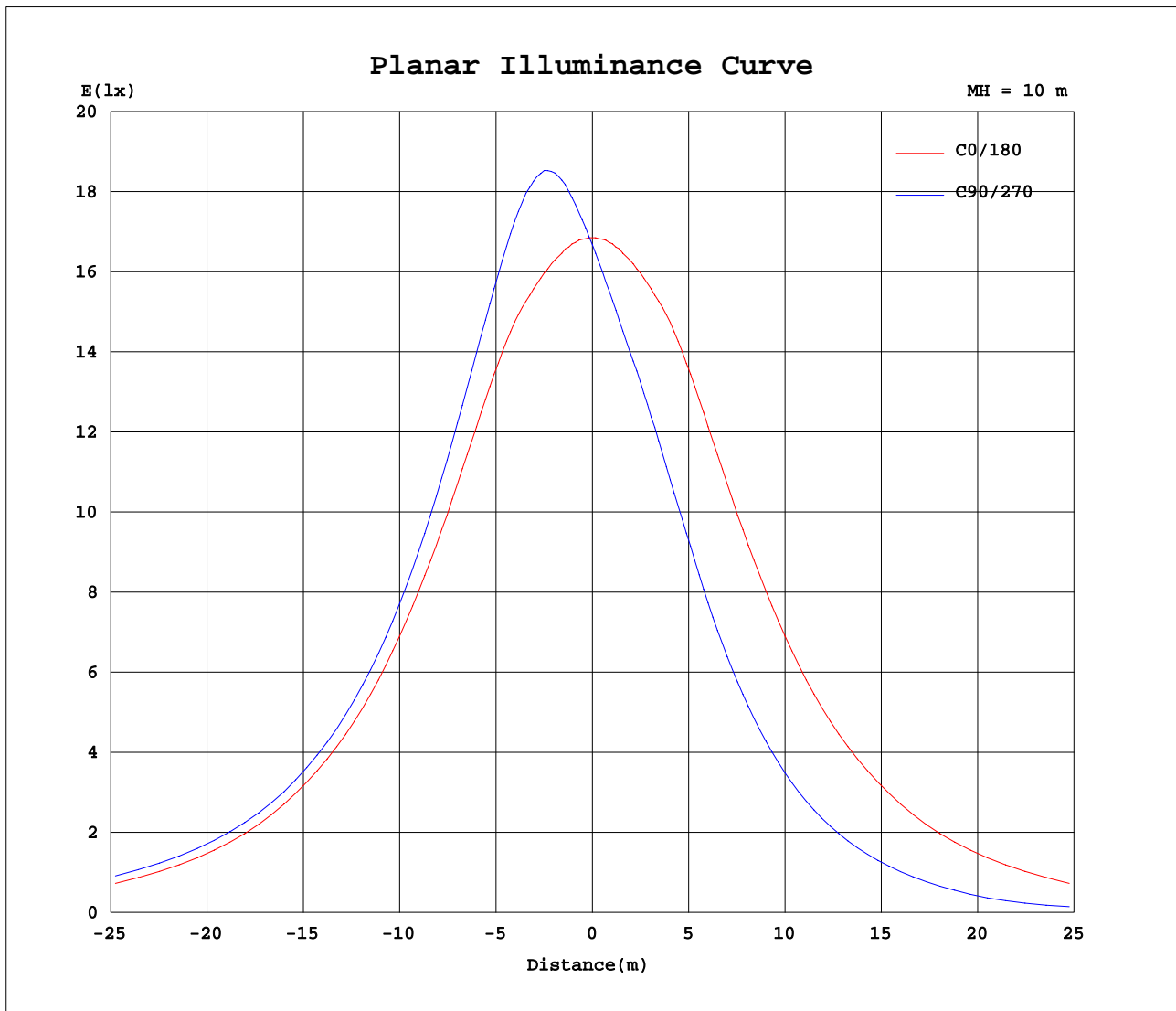
Test:U:219.2V I:0.2335A P:49.67W PF:0.9703 Freq:49.99Hz Lamp Flux:7455.38x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T411-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-04-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.801m [K=1.0000]
Remarks:

Planar Illuminance Curve



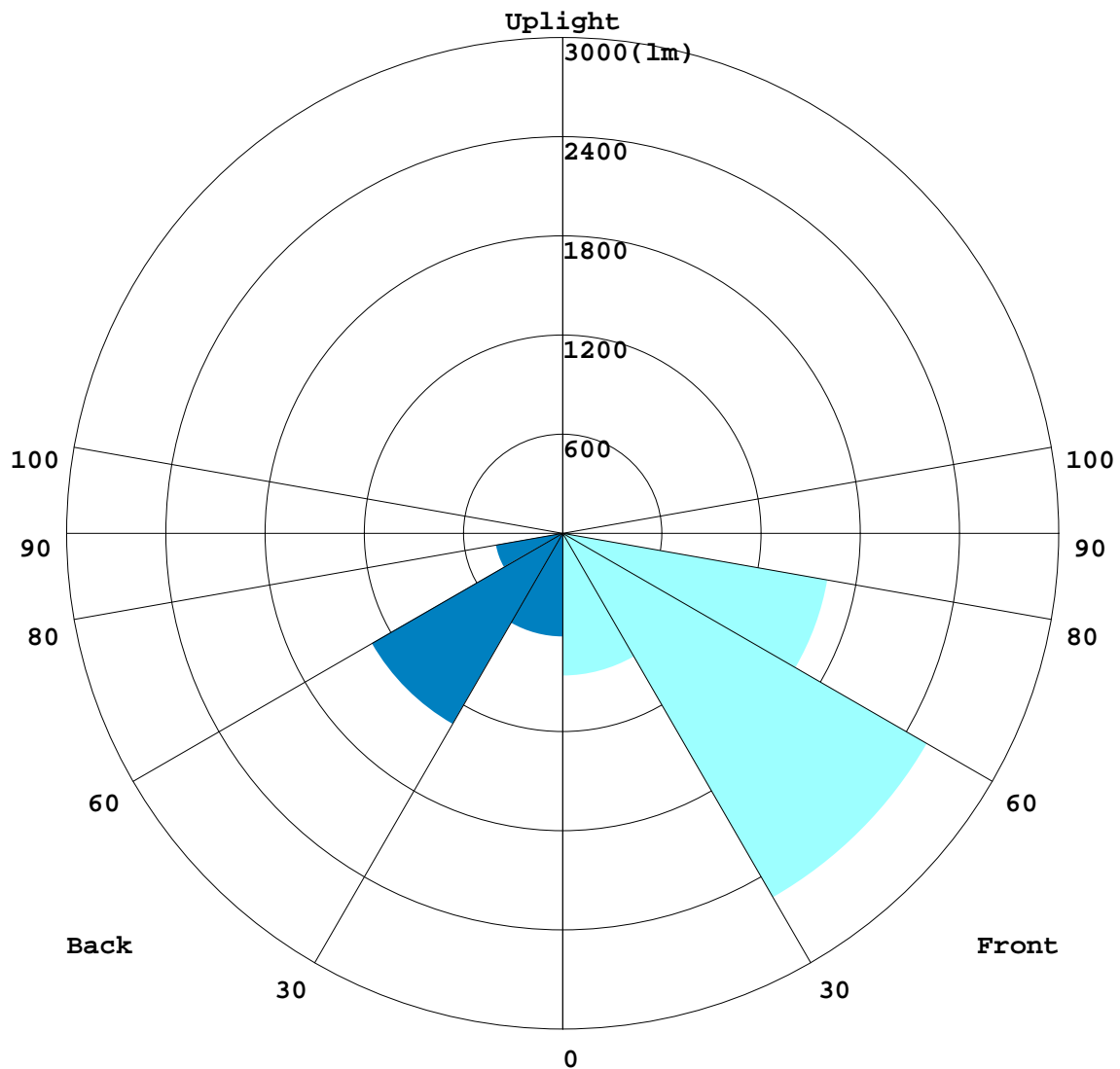
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-04-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.801m [K=1.0000]
Remarks:

LCS REPORT

Test:U:219.2V I:0.2335A P:49.67W PF:0.9703 Freq:49.99Hz Lamp Flux:7455.38x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T411-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-04-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

BUG REPORT

Test:U:219.2V I:0.2335A P:49.67W PF:0.9703 Freq:49.99Hz Lamp Flux:7455.38x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T411-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	862.2	11.6
FM - Front-Medium(30-60)	2545.1	34.1
FH - Front-High(60-80)	1626.8	21.8
FVH - Front-Very High(80-90)	43.672	0.6
Total Forward Light	5077.9	68.1

BL - Back-Low(0-30)	625.22	8.4
BM - Back-Medium(30-60)	1333	17.9
BH - Back-High(60-80)	409.67	5.5
BVH - Back-Very High(80-90)	9.6596	0.1
Total Back Light	2377.5	31.9

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-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2377.5	0	2377.5
Street Side	5077.9	0	5077.9

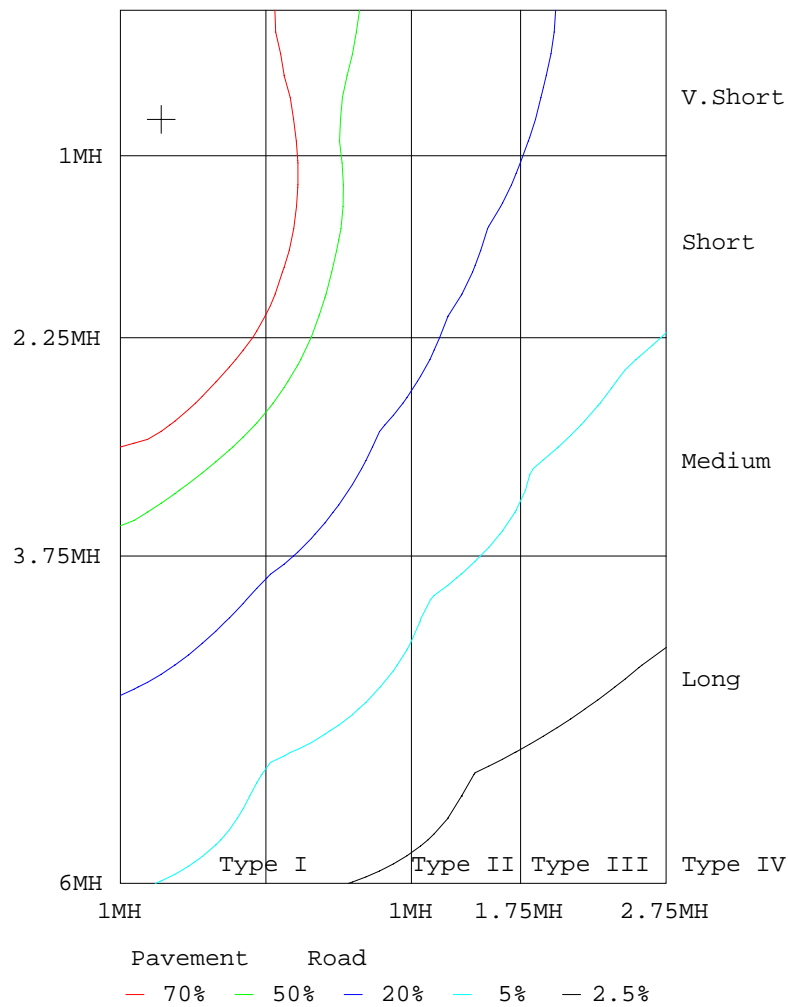
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-04-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.801m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.2V I:0.2335A P:49.67W PF:0.9703 Freq:49.99Hz Lamp Flux:7455.38x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T411-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-04-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:0.2335A P:49.67W PF:0.9703 Freq:49.99Hz Lamp Flux:7455.38x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T411-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	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	1667	1667	1667	1667	1667	1667	1667	1667	1667	1667	1667	1667	1667	1667	1667	1667	1667	1667	1667
5	1675	1705	1733	1758	1774	1788	1788	1788	1774	1758	1733	1705	1675	1647	1617	1598	1581	1574	1569
10	1697	1762	1828	1879	1912	1926	1925	1926	1912	1879	1828	1762	1697	1632	1580	1544	1515	1504	1493
15	1739	1853	1947	2012	2045	2056	2047	2056	2045	2012	1947	1853	1739	1625	1547	1496	1462	1447	1438
20	1802	1948	2056	2118	2140	2148	2136	2148	2140	2118	2056	1948	1802	1622	1514	1444	1408	1390	1381
25	1862	2027	2137	2192	2208	2202	2189	2202	2208	2192	2137	2027	1862	1621	1467	1386	1344	1325	1320
30	1903	2086	2199	2249	2245	2232	2218	2232	2245	2249	2199	2086	1903	1613	1415	1318	1271	1250	1244
35	1926	2129	2246	2290	2271	2247	2223	2247	2271	2290	2246	2129	1926	1600	1352	1239	1186	1166	1162
40	1936	2161	2280	2311	2286	2242	2210	2242	2286	2311	2280	2161	1936	1580	1282	1154	1097	1080	1078
45	1932	2180	2301	2320	2281	2221	2181	2221	2281	2320	2301	2180	1932	1544	1206	1055	998	985	986
50	1905	2188	2308	2322	2261	2187	2143	2187	2261	2322	2308	2188	1905	1482	1116	951	894	883	886
55	1856	2171	2306	2310	2231	2141	2084	2141	2231	2310	2306	2171	1856	1385	1001	833	776	764	772
60	1741	2136	2282	2283	2188	2072	1991	2072	2188	2283	2282	2136	1741	1240	854	680	625	608	618
65	1564	2028	2218	2226	2093	1957	1871	1957	2093	2226	2218	2028	1564	1000	642	471	416	381	395
70	1198	1767	2031	2079	1923	1689	1579	1689	1923	2079	2031	1767	1198	616	328	218	209	205	212
75	543	1138	1510	1653	1363	1055	840	1055	1363	1653	1510	1138	543	193	114	106	113	115	117
80	85.3	266	524	625	441	256	121	256	441	625	524	266	85.3	54.0	49.2	47.1	52.4	53.0	52.5
85	14.5	16.3	37.6	60.3	24.5	16.4	15.1	16.4	24.5	60.3	37.6	16.3	14.5	12.5	11.5	11.6	13.1	13.0	14.8
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:2020-04-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:0.2335A P:49.67W PF:0.9703 Freq:49.99Hz Lamp Flux:7455.38x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T411-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	1667	1667	1667	1667	1667														
5	1574	1581	1598	1617	1647														
10	1504	1515	1544	1580	1632														
15	1447	1462	1496	1547	1625														
20	1390	1408	1444	1514	1622														
25	1325	1344	1386	1467	1621														
30	1250	1271	1318	1415	1613														
35	1166	1186	1239	1352	1600														
40	1080	1097	1154	1282	1580														
45	985	998	1055	1206	1544														
50	883	894	951	1116	1482														
55	764	776	833	1001	1385														
60	608	625	680	854	1240														
65	381	416	471	642	1000														
70	205	209	218	328	616														
75	115	113	106	114	193														
80	53.0	52.4	47.1	49.2	54.0														
85	13.0	13.1	11.6	11.5	12.5														
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:2020-04-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks: