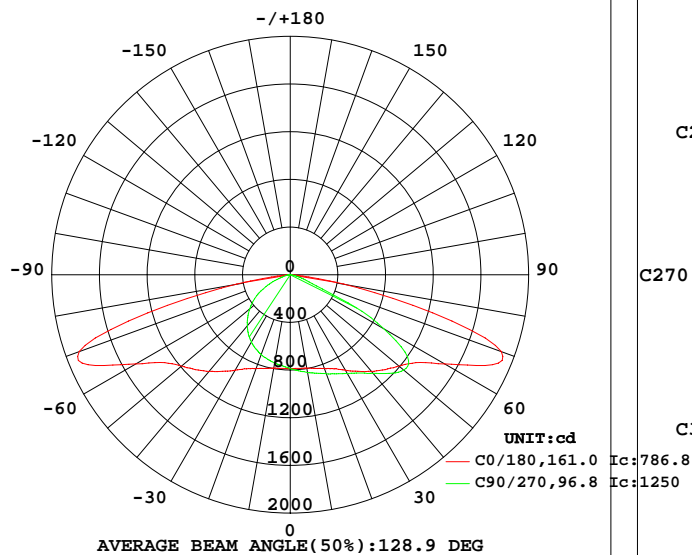
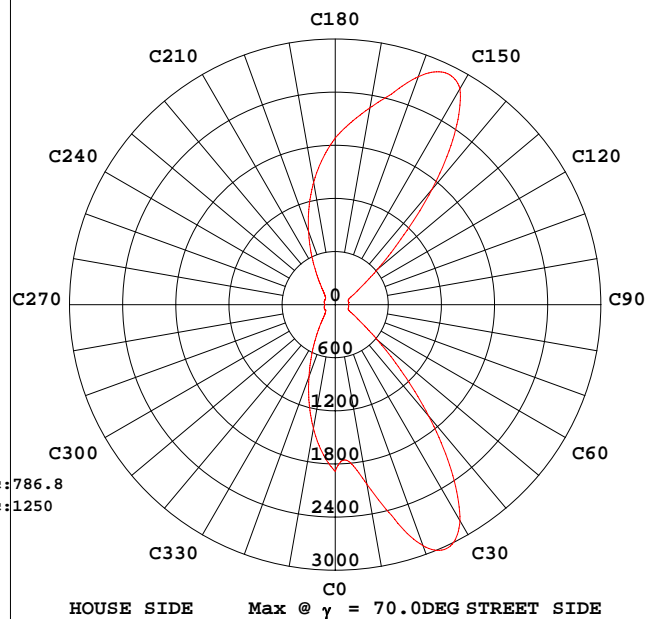


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.1396A P:29.46W PF:0.9626 Freq:49.99Hz Lamp Flux:4505.77x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-NV-L3-00-5070-T301-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 152.95 lm/W			
MODEL	3030	I _{max} (cd)	2818	η street_up(%)	0.0
NOMINAL POWER(W)	30	LOR(%)	100.0	η street_down(%)	64.2
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	4506	η house_up(%)	0.0
NOMINAL FLUX(lm)	4505.77	MAXIMUM @(C,γ)	30,70.0	η house_down(%)	35.8
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	20.373

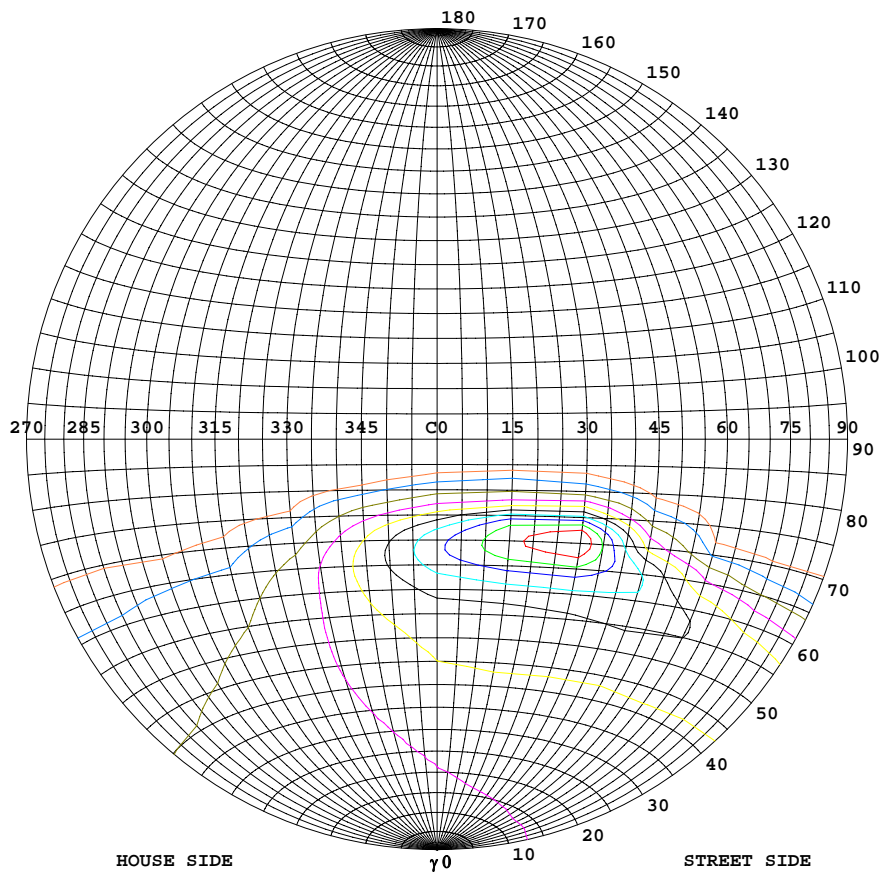
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-04-09

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:

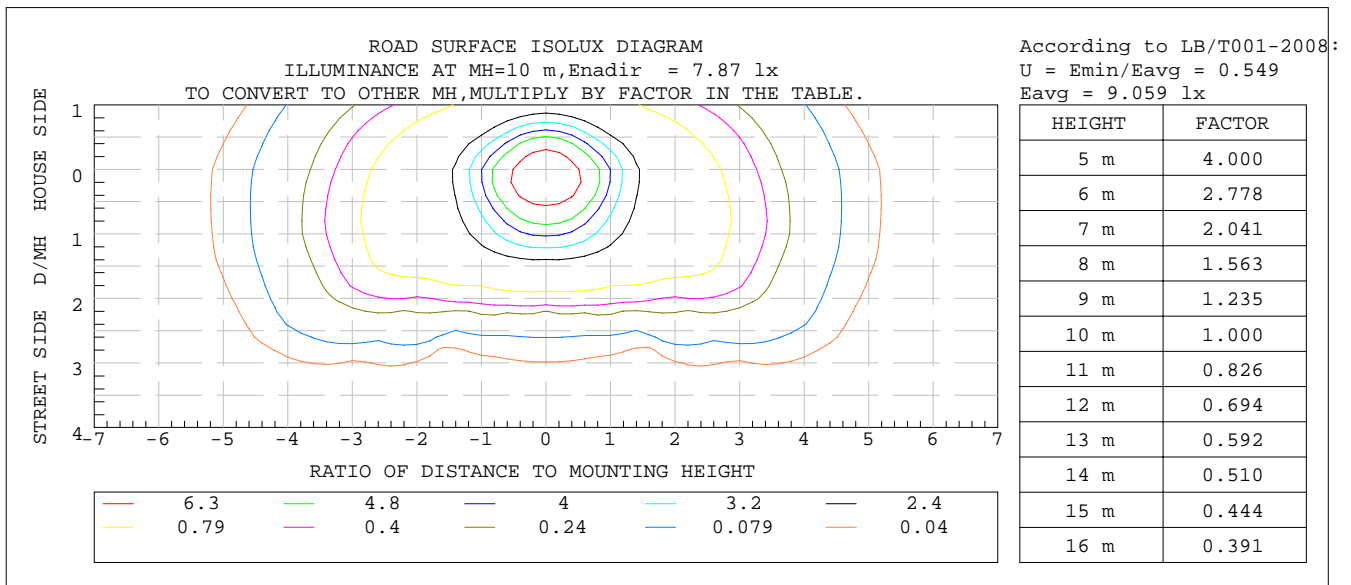
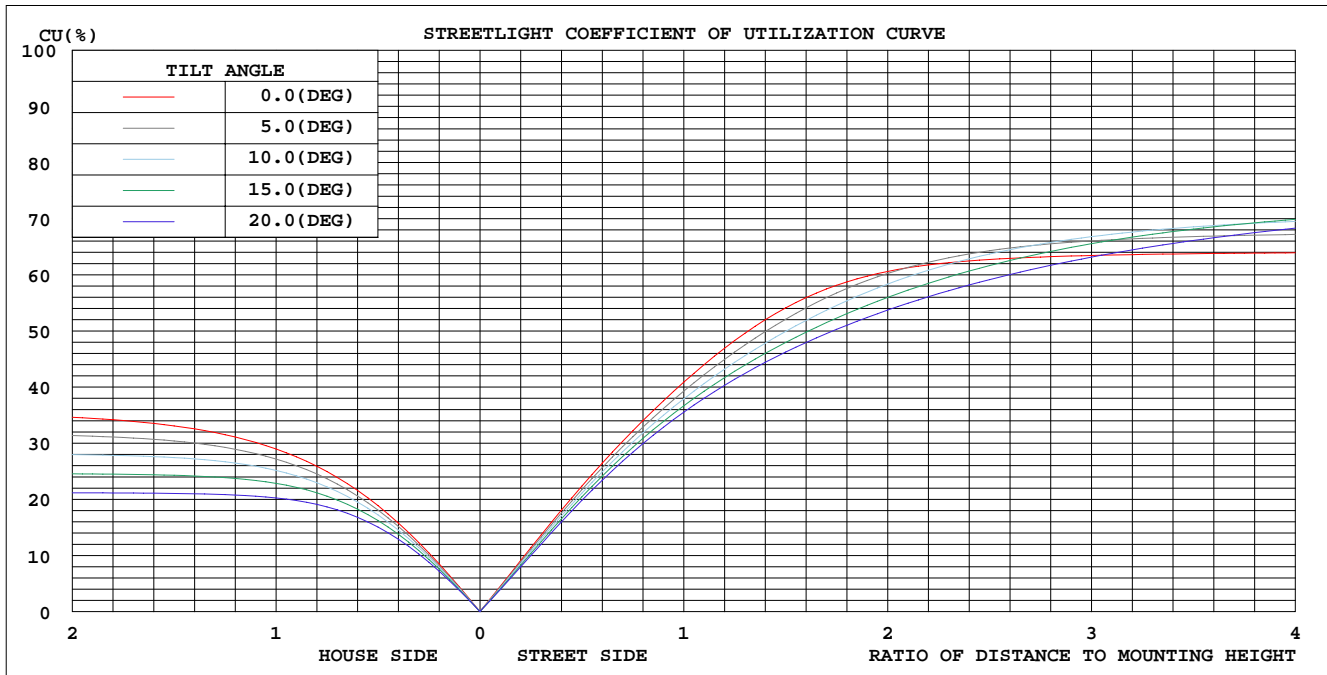
STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.2V I:0.1396A P:29.46W PF:0.9626 Freq:49.99Hz Lamp Flux:4505.77x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-NV-L3-00-5070-T301-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:2020-04-09

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: 2020-04-09

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:0.1396A P:29.46W PF:0.9626 Freq:49.99Hz Lamp Flux:4505.77x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-NV-L3-00-5070-T301-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

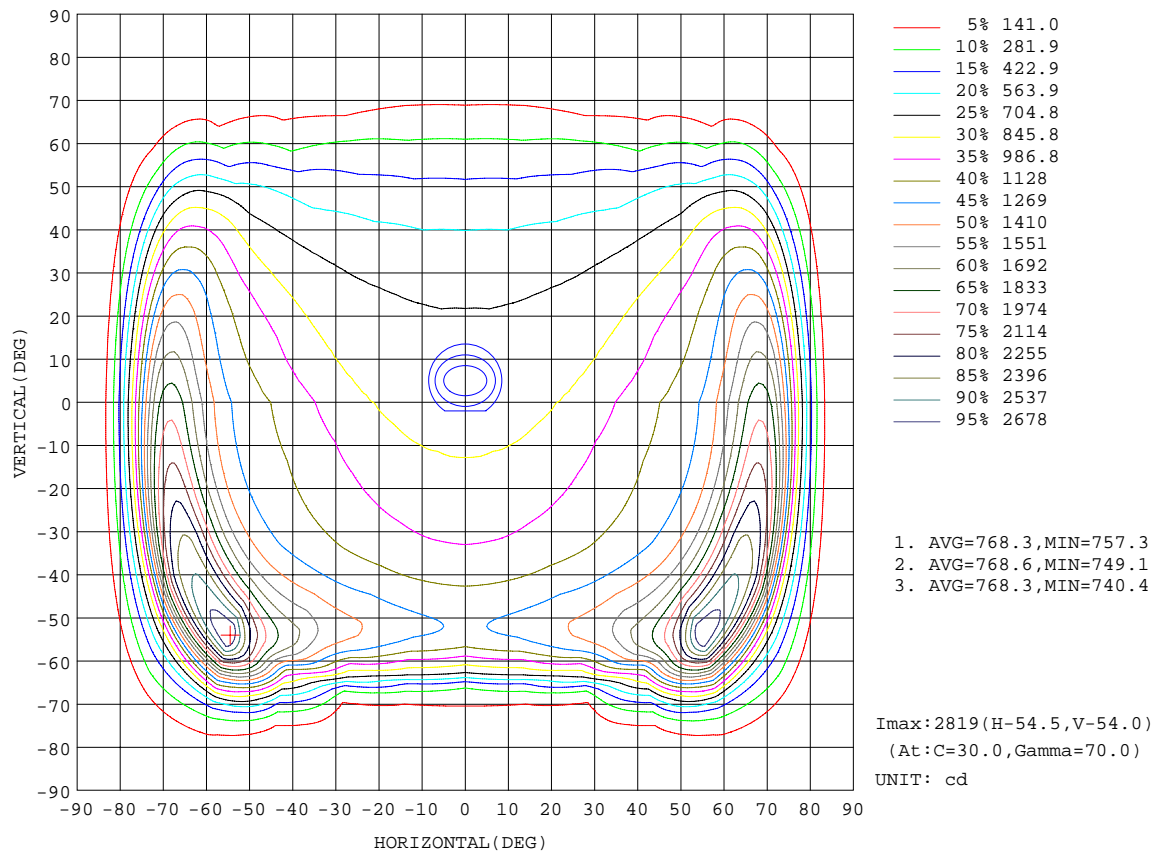
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	795.8	824.3	832.8	824.3	795.8	760.9	751.1	760.9	0- 10	75.41	75.41	1.67,1.67
20	836.7	886.0	882.9	886.0	836.7	747.7	713.1	747.7	10- 20	228.2	303.6	6.74,6.74
30	924.8	979.6	956.3	979.6	924.8	733.2	652.2	733.2	20- 30	387.9	691.5	15.3,15.3
40	1060	1085	1080	1085	1060	697.8	561.3	697.8	30- 40	556.1	1248	27.7,27.7
50	1192	1269	1244	1269	1192	622.0	443.1	622.0	40- 50	732.3	1980	43.9,43.9
60	1496	1641	904.4	1641	1496	478.2	301.3	478.2	50- 60	906.4	2886	64.1,64.1
70	1883	1048	148.3	1048	1883	177.1	119.2	177.1	60- 70	994.9	3881	86.1,86.1
80	455.9	113.0	33.45	113.0	455.9	31.85	26.80	31.85	70- 80	574.7	4456	98.9,98.9
90	0	0	0	0	0	0	0	0	80- 90	49.75	4506	100,100
100	0	0	0	0	0	0	0	0	90-100	0	4506	100,100
110	0	0	0	0	0	0	0	0	100-110	0	4506	100,100
120	0	0	0	0	0	0	0	0	110-120	0	4506	100,100
130	0	0	0	0	0	0	0	0	120-130	0	4506	100,100
140	0	0	0	0	0	0	0	0	130-140	0	4506	100,100
150	0	0	0	0	0	0	0	0	140-150	0	4506	100,100
160	0	0	0	0	0	0	0	0	150-160	0	4506	100,100
170	0	0	0	0	0	0	0	0	160-170	0	4506	100,100
180	0	0	0	0	0	0	0	0	170-180	0	4506	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:2020-04-09

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

ISOCANDELA DIAGRAM

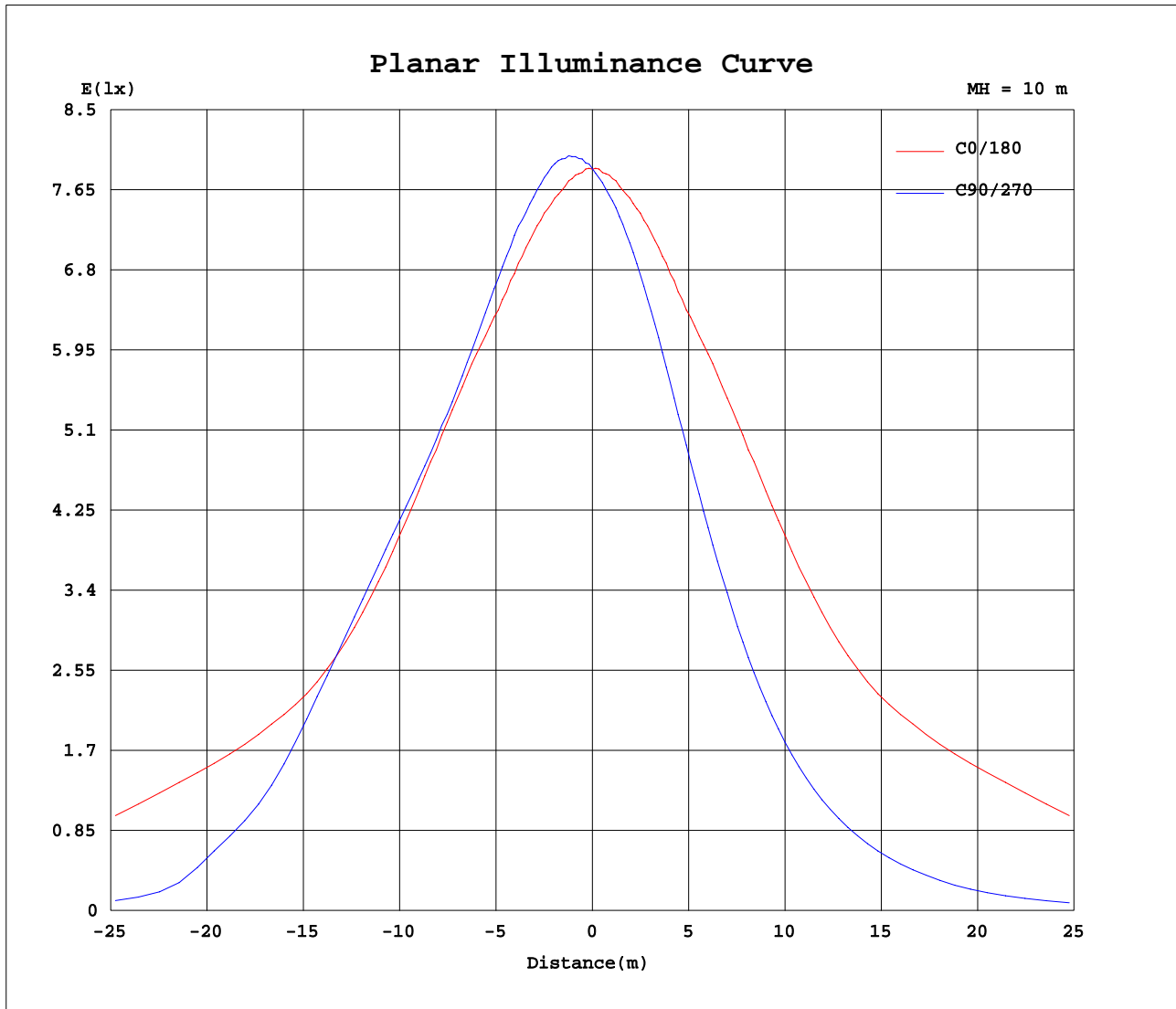
Test:U:219.2V I:0.1396A P:29.46W PF:0.9626 Freq:49.99Hz Lamp Flux:4505.77x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-NV-L3-00-5070-T301-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-04-09

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



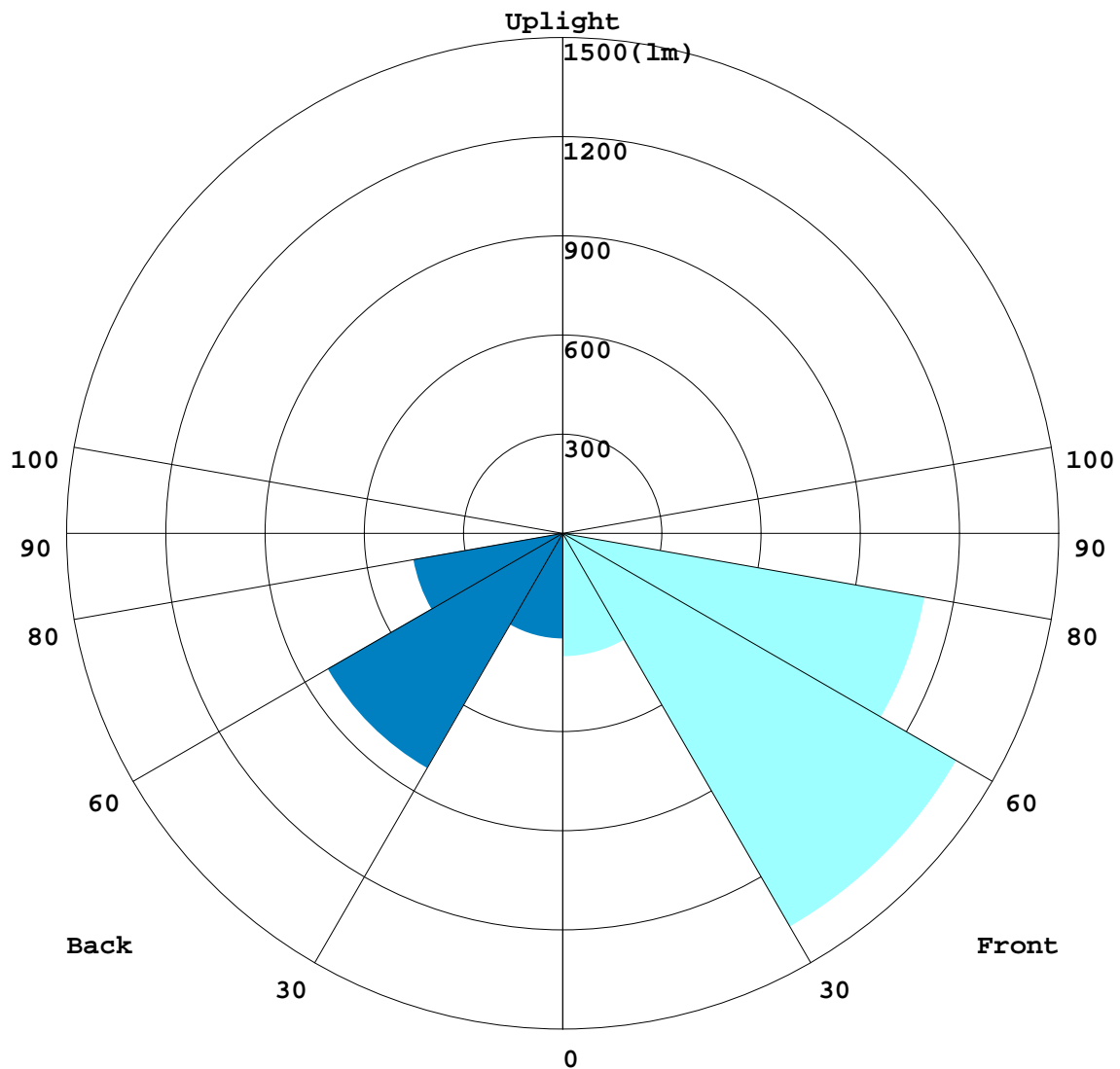
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-04-09

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:0.1396A P:29.46W PF:0.9626 Freq:49.99Hz Lamp Flux:4505.77x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-NV-L3-00-5070-T301-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:2020-04-09

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:0.1396A P:29.46W PF:0.9626 Freq:49.99Hz Lamp Flux:4505.77x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-NV-L3-00-5070-T301-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)	372.47	8.3
FM - Front-Medium(30-60)	1374.5	30.5
FH - Front-High(60-80)	1111.3	24.7
FVH - Front-Very High(80-90)	35.601	0.8
Total Forward Light	2893.9	64.2

BL - Back-Low(0-30)	319	7.1
BM - Back-Medium(30-60)	820.37	18.2
BH - Back-High(60-80)	458.38	10.2
BVH - Back-Very High(80-90)	14.152	0.3
Total Back Light	1611.9	35.8

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	B1-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1611.9	0	1611.9
Street Side	2893.9	0	2893.9

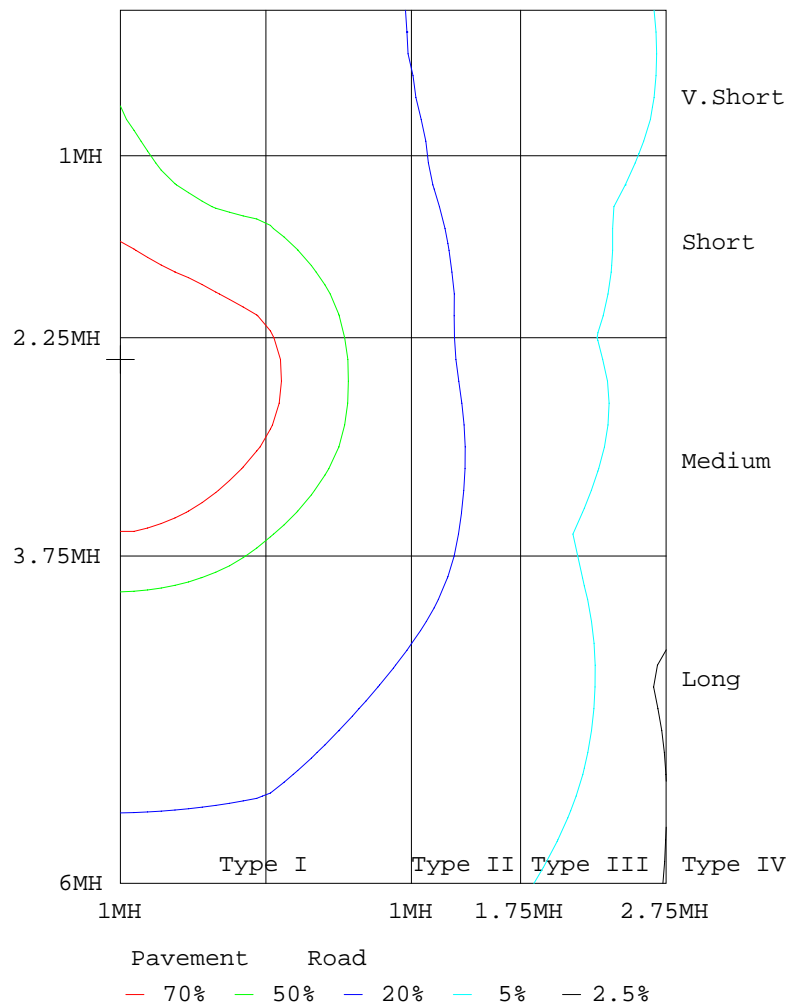
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-04-09

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:0.1396A P:29.46W PF:0.9626 Freq:49.99Hz Lamp Flux:4505.77x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-NV-L3-00-5070-T301-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:2020-04-09

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:0.1396A P:29.46W PF:0.9626 Freq:49.99Hz Lamp Flux:4505.77x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-NV-L3-00-5070-T301-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	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	787	787	787	787	787	787	787	787	787	787	787	787	787	787	787	787	787	787
5	790	794	798	802	806	808	809	808	806	802	798	794	790	784	779	772	769	771	767
10	796	808	816	824	830	833	833	833	830	824	816	808	796	783	773	761	755	753	751
15	813	830	841	851	853	858	855	858	853	851	841	830	813	791	773	752	741	736	735
20	837	861	880	886	886	885	883	885	886	886	880	861	837	806	776	748	726	717	713
25	871	907	929	930	927	921	917	921	927	930	929	907	871	823	779	742	710	691	686
30	925	967	980	980	972	962	956	962	972	980	980	967	925	848	785	733	688	660	652
35	990	1033	1037	1029	1024	1014	1008	1014	1024	1029	1037	1033	990	880	792	717	659	621	613
40	1060	1090	1092	1085	1091	1088	1080	1088	1091	1085	1092	1090	1060	922	798	698	624	573	561
45	1126	1155	1150	1160	1183	1182	1171	1182	1183	1160	1150	1155	1126	982	797	668	574	519	505
50	1192	1211	1222	1269	1300	1273	1244	1273	1300	1269	1222	1211	1192	1041	790	622	517	459	443
55	1286	1312	1357	1440	1409	1280	1203	1280	1409	1440	1357	1312	1286	1100	772	561	447	391	376
60	1496	1580	1628	1641	1345	1028	904	1028	1345	1641	1628	1580	1496	1175	735	478	367	312	301
65	1802	2092	2204	1683	888	579	394	579	888	1683	2204	2092	1802	1245	661	328	250	221	209
70	1883	2464	2818	1048	257	154	148	154	257	1048	2818	2464	1883	1145	448	177	130	130	119
75	1238	1782	1769	454	87.9	81.9	75.3	81.9	87.9	454	1769	1782	1238	744	191	88.4	68.1	60.6	59.4
80	456	526	449	113	38.9	34.5	33.5	34.5	38.9	113	449	526	456	212	51.1	31.9	30.2	26.1	26.8
85	57.2	76.8	82.5	21.0	9.83	9.01	8.52	9.01	9.83	21.0	82.5	76.8	57.2	16.4	11.6	8.98	8.10	6.81	7.04
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:2020-04-09

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:0.1396A P:29.46W PF:0.9626 Freq:49.99Hz Lamp Flux:4505.77x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-NV-L3-00-5070-T301-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC)	285	300	315	330	345														
γ (DEC)																			
0	787	787	787	787	787														
5	771	769	772	779	784														
10	753	755	761	773	783														
15	736	741	752	773	791														
20	717	726	748	776	806														
25	691	710	742	779	823														
30	660	688	733	785	848														
35	621	659	717	792	880														
40	573	624	698	798	922														
45	519	574	668	797	982														
50	459	517	622	790	1041														
55	391	447	561	772	1100														
60	312	367	478	735	1175														
65	221	250	328	661	1245														
70	130	130	177	448	1145														
75	60.6	68.1	88.4	191	744														
80	26.1	30.2	31.9	51.1	212														
85	6.81	8.10	8.98	11.6	16.4														
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:2020-04-09

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