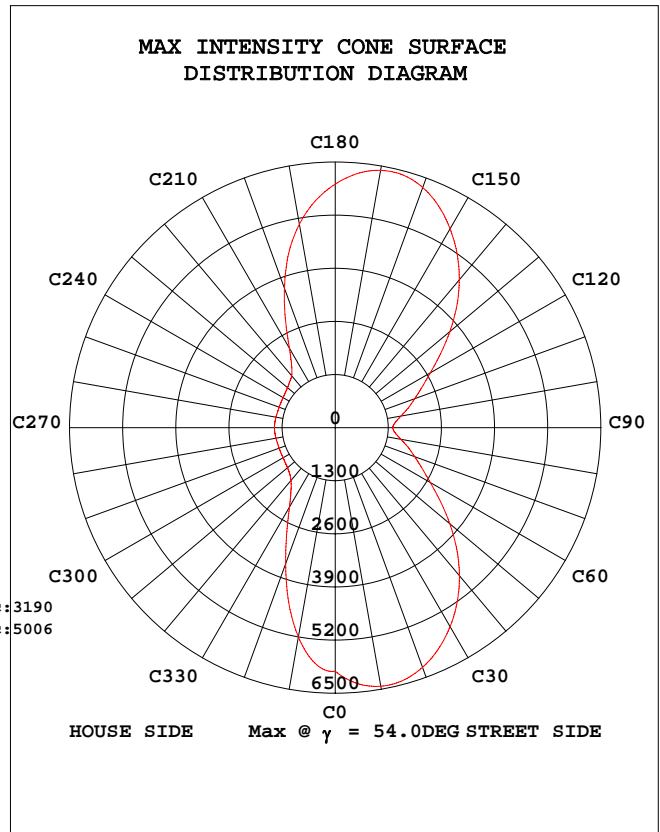
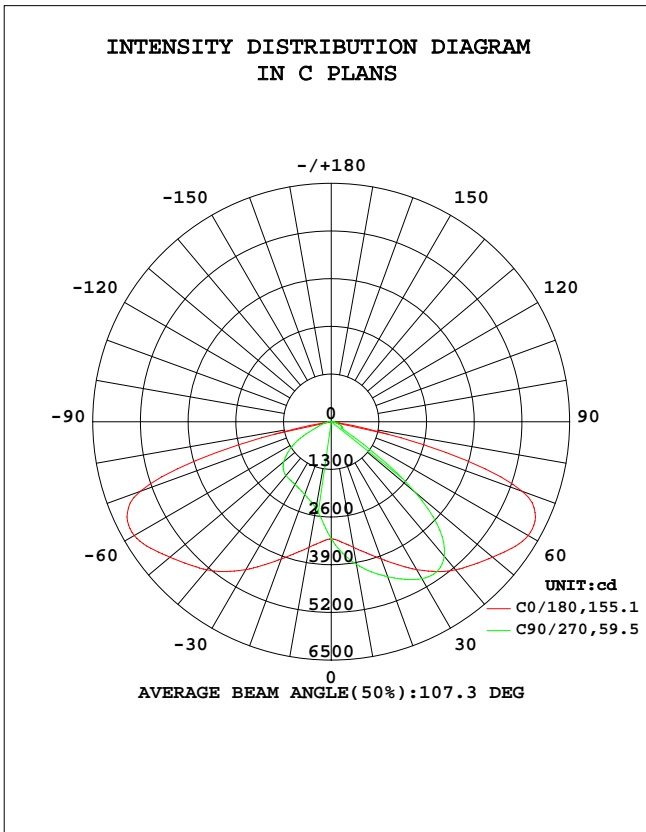


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:44.29V I:1.810A P:80.16W PF:1.000 Freq:0Hz Lamp Flux:14724.3x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-80WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 183.68 lm/W			
MODEL	5050	I _{max} (cd)	6404	η street_up(%)	0.0
NOMINAL POWER(W)	80	LOR(%)	100.0	η street_down(%)	63.8
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	14724	η house_up(%)	0.0
NOMINAL FLUX(lm)	14724.3	MAXIMUM @(C,γ)	165,54.0	η house_down(%)	36.2
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	20.890

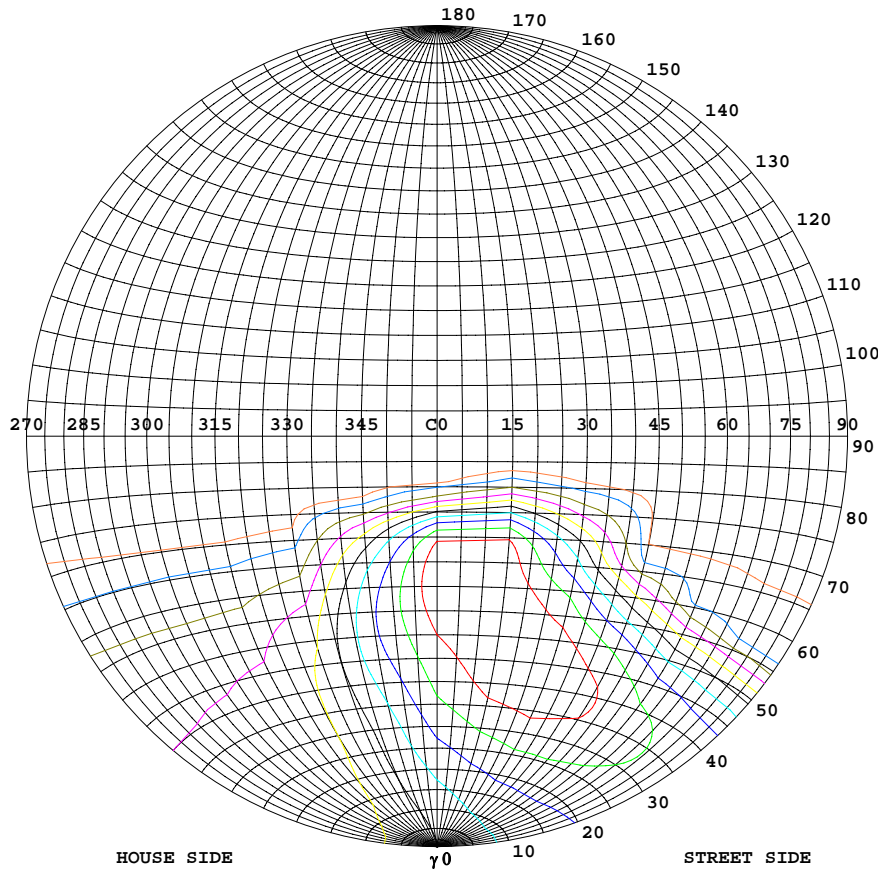


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:44.29V I:1.810A P:80.16W PF:1.000 Freq:0Hz Lamp Flux:14724.3x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-80WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:



Classification:

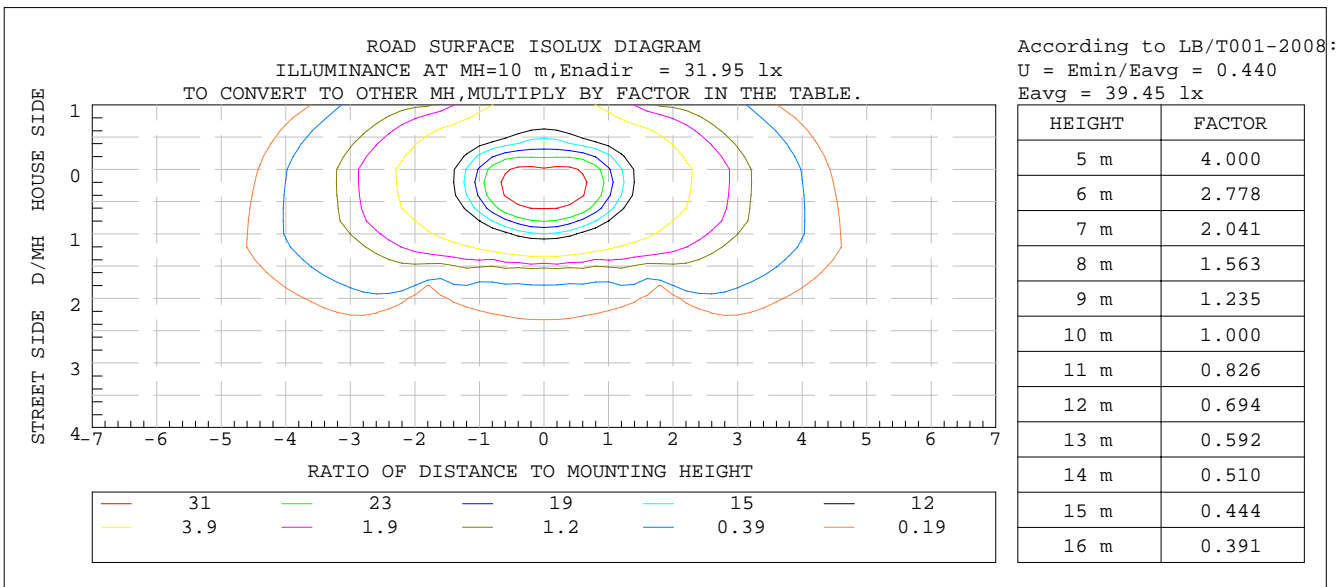
IES:Type II - Short
 CIE:Narrow - Short
 IES:Full cut-off
 CIE:Semi-cut-off
 Max.At80:85.79cd/klm
 Max.At90:0cd/klm
 Max.80-90:85.79cd/klm
 NRB 5101:Semi limited[22.6%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6404
90%	5764
80%	5123
70%	4483
60%	3842
50%	3202
40%	2562
30%	1921
20%	1281
10%	640
5%	320

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 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: 2020-12-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:44.29V I:1.810A P:80.16W PF:1.000 Freq:0Hz Lamp Flux:14724.3x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-80WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:

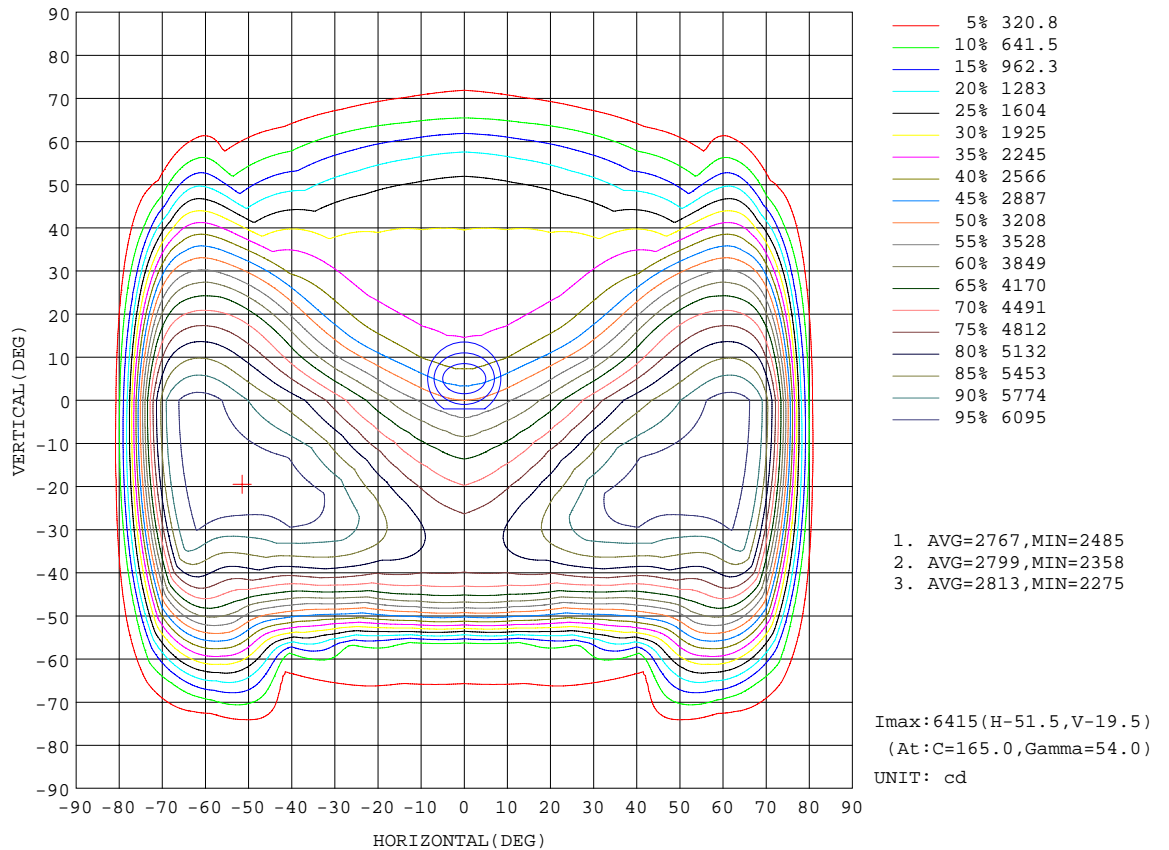
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	3476	3916	3944	3916	3476	2700	2396	2700	0- 10	311.3	311.3	2.11,2.11
20	3981	4653	4494	4653	3981	2419	2115	2419	10- 20	982.0	1293	8.78,8.78
30	4655	5441	4941	5441	4655	2282	1976	2282	20- 30	1750	3043	20.7,20.7
40	5271	5826	4793	5826	5271	2141	1917	2141	30- 40	2557	5600	38,38
50	5743	4979	2972	4979	5743	1812	1692	1812	40- 50	3081	8680	59,59
60	6203	2686	326.5	2686	6203	1137	1111	1137	50- 60	2817	11497	78.1,78.1
70	5538	322.8	248.9	322.8	5538	347.6	379.0	347.6	60- 70	2101	13598	92.4,92.4
80	594.9	167.3	114.1	167.3	594.9	127.7	174.2	127.7	70- 80	1028	14626	99.3,99.3
90	0	0	0	0	0	0	0	0	80- 90	97.84	14724	100,100
100	0	0	0	0	0	0	0	0	90-100	0	14724	100,100
110	0	0	0	0	0	0	0	0	100-110	0	14724	100,100
120	0	0	0	0	0	0	0	0	110-120	0	14724	100,100
130	0	0	0	0	0	0	0	0	120-130	0	14724	100,100
140	0	0	0	0	0	0	0	0	130-140	0	14724	100,100
150	0	0	0	0	0	0	0	0	140-150	0	14724	100,100
160	0	0	0	0	0	0	0	0	150-160	0	14724	100,100
170	0	0	0	0	0	0	0	0	160-170	0	14724	100,100
180	0	0	0	0	0	0	0	0	170-180	0	14724	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:2020-12-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

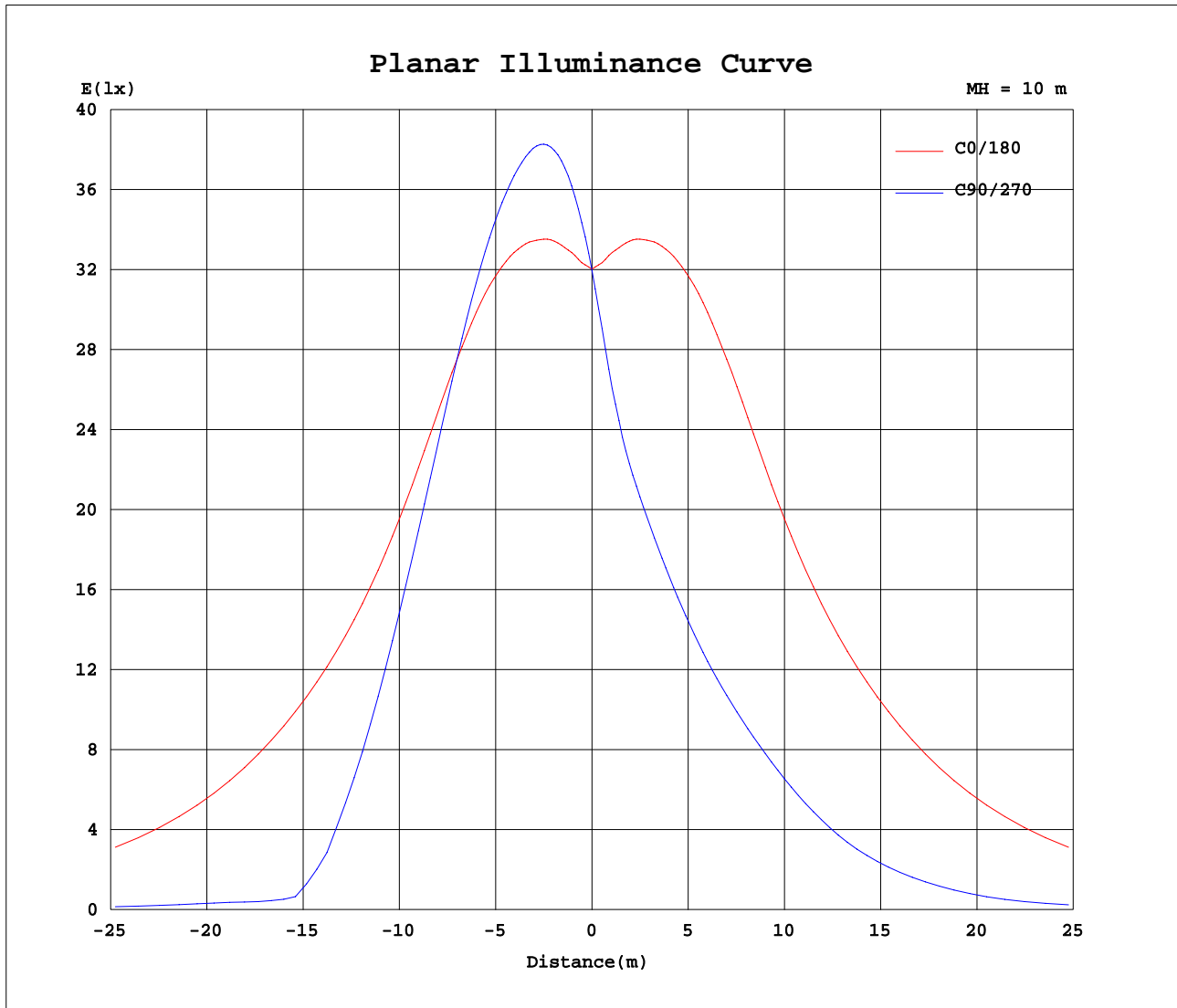
Test:U:44.29V I:1.810A P:80.16W PF:1.000 Freq:0Hz Lamp Flux:14724.3x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-80WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

Planar Illuminance Curve



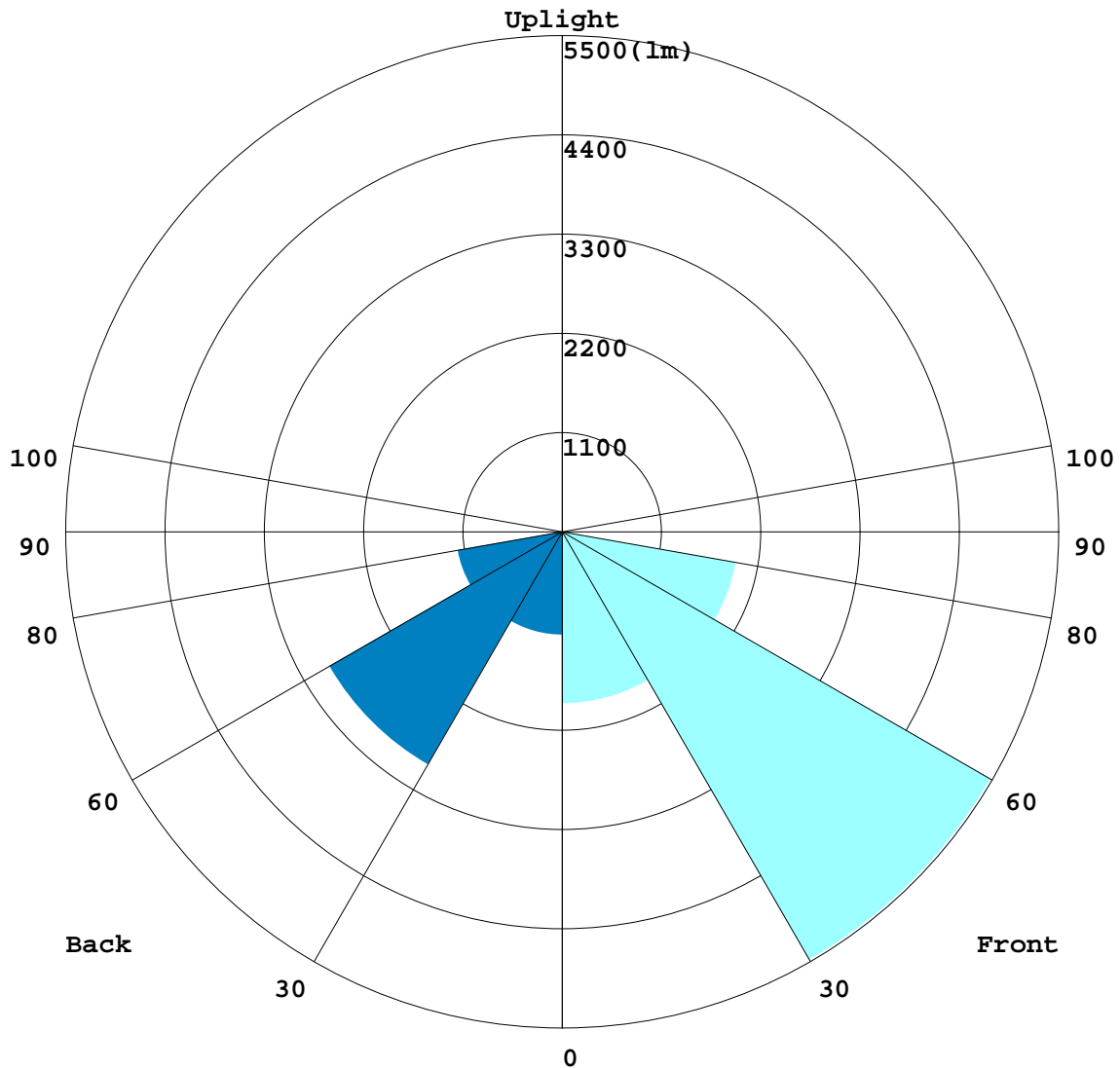
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2020-12-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 7.682m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:44.29V I:1.810A P:80.16W PF:1.000 Freq:0Hz Lamp Flux:14724.3x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-80WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:44.29V I:1.810A P:80.16W PF:1.000 Freq:0Hz Lamp Flux:14724.3x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-80WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1900.7	12.9
FM - Front-Medium(30-60)	5476.7	37.2
FH - Front-High(60-80)	1953	13.3
FVH - Front-Very High(80-90)	60.923	0.4
Total Forward Light	9391.3	63.8

BL - Back-Low(0-30)	1142.2	7.8
BM - Back-Medium(30-60)	2977.8	20.2
BH - Back-High(60-80)	1176	8.0
BVH - Back-Very High(80-90)	36.917	0.3
Total Back Light	5332.9	36.2

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	B3-U0-G3
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5332.9	0	5332.9
Street Side	9391.3	0	9391.3

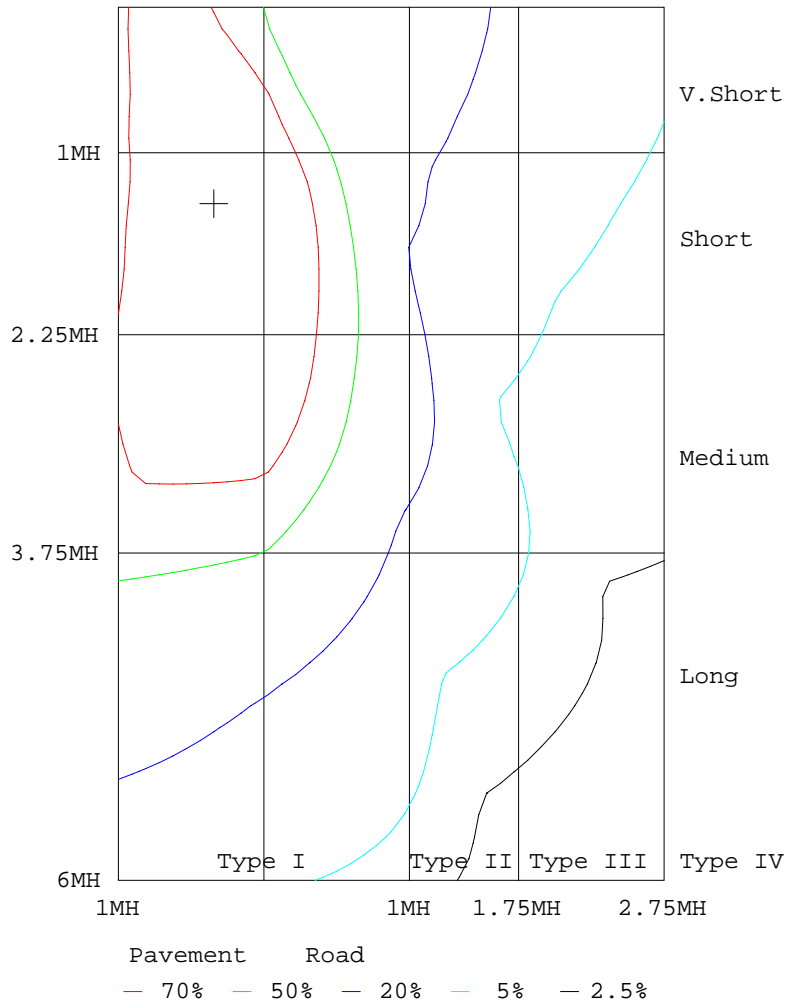
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:44.29V I:1.810A P:80.16W PF:1.000 Freq:0Hz Lamp Flux:14724.3x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-80WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:44.29V I:1.810A P:80.16W PF:1.000 Freq:0Hz Lamp Flux:14724.3x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-80WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	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	3190	3190	3190	3190	3190	3190	3190	3190	3190	3190	3190	3190	3190	3190	3190	3190	3190	3190	3190
5	3295	3399	3487	3548	3581	3601	3597	3601	3581	3548	3487	3399	3295	3166	3034	2921	2825	2757	2728
10	3476	3667	3816	3916	3961	3969	3944	3969	3961	3916	3816	3667	3476	3227	2950	2700	2532	2433	2396
15	3702	3970	4169	4270	4301	4292	4237	4292	4301	4270	4169	3970	3702	3330	2897	2535	2353	2266	2228
20	3981	4337	4571	4653	4631	4581	4494	4581	4631	4653	4571	4337	3981	3446	2825	2419	2239	2154	2115
25	4302	4745	4995	5054	4973	4852	4740	4852	4973	5054	4995	4745	4302	3574	2746	2337	2155	2072	2032
30	4655	5180	5446	5441	5252	5059	4941	5059	5252	5441	5446	5180	4655	3673	2712	2282	2093	2017	1976
35	4986	5607	5859	5744	5370	5103	4999	5103	5370	5744	5859	5607	4986	3837	2721	2224	2042	1980	1945
40	5271	5955	6144	5826	5206	4893	4793	4893	5206	5826	6144	5955	5271	4041	2719	2141	1981	1938	1917
45	5503	6180	6214	5561	4692	4336	4189	4336	4692	5561	6214	6180	5503	4270	2663	2014	1876	1849	1847
50	5743	6345	5970	4979	3767	3223	2972	3223	3767	4979	5970	6345	5743	4412	2502	1812	1692	1679	1692
55	6012	6398	5523	3968	2377	1423	1070	1423	2377	3968	5523	6398	6012	4399	2159	1517	1412	1406	1434
60	6203	6280	4917	2686	766	348	326	348	766	2686	4917	6280	6203	4172	1634	1137	1074	1070	1111
65	6143	6124	4059	1120	353	345	332	345	353	1120	4059	6124	6143	3681	1038	724	684	655	678
70	5538	5677	3167	323	283	264	249	264	283	323	3167	5677	5538	2770	495	348	330	345	379
75	3240	3819	1816	298	178	150	151	150	178	298	1816	3819	3240	1155	227	209	223	223	241
80	595	1263	500	167	107	116	114	116	107	167	500	1263	595	159	121	128	152	165	174
85	49.6	121	92.5	53.9	59.3	73.1	71.8	73.1	59.3	53.9	92.5	121	49.6	38.1	42.8	58.1	85.5	101	105
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:2020-12-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:44.29V I:1.810A P:80.16W PF:1.000 Freq:0Hz Lamp Flux:14724.3x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-80WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	3190	3190	3190	3190	3190														
5	2757	2825	2921	3034	3166														
10	2433	2532	2700	2950	3227														
15	2266	2353	2535	2897	3330														
20	2154	2239	2419	2825	3446														
25	2072	2155	2337	2746	3574														
30	2017	2093	2282	2712	3673														
35	1980	2042	2224	2721	3837														
40	1938	1981	2141	2719	4041														
45	1849	1876	2014	2663	4270														
50	1679	1692	1812	2502	4412														
55	1406	1412	1517	2159	4399														
60	1070	1074	1137	1634	4172														
65	655	684	724	1038	3681														
70	345	330	348	495	2770														
75	223	223	209	227	1155														
80	165	152	128	121	159														
85	101	85.5	58.1	42.8	38.1														
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:2020-12-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks: