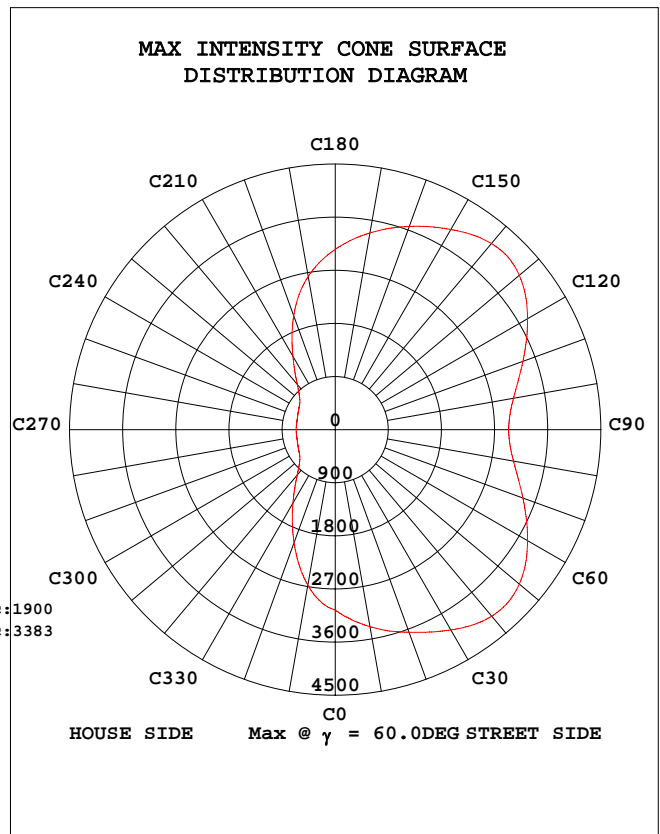
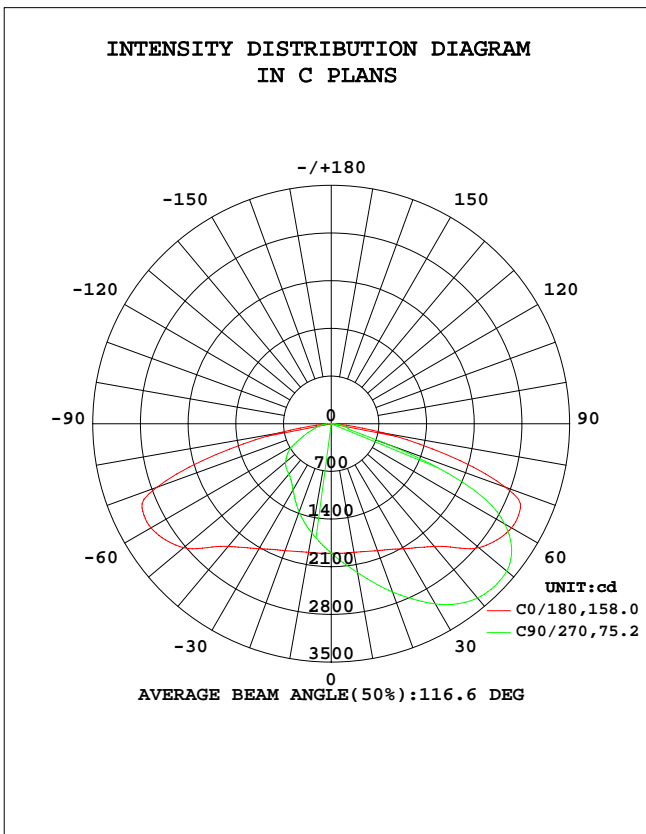


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:44.24V I:1.350A P:59.72W PF:1.000 Freq:0Hz Lamp Flux:10698.9x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-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: 179.14 lm/W			
MODEL	5050	I _{max} (cd)	4138	η street_up(%)	0.0
NOMINAL POWER(W)	60	LOR(%)	100.0	η street_down(%)	69.4
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	10699	η house_up(%)	0.0
NOMINAL FLUX(lm)	10698.9	MAXIMUM @(C,γ)	135,60.0	η house_down(%)	30.6
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	21.371

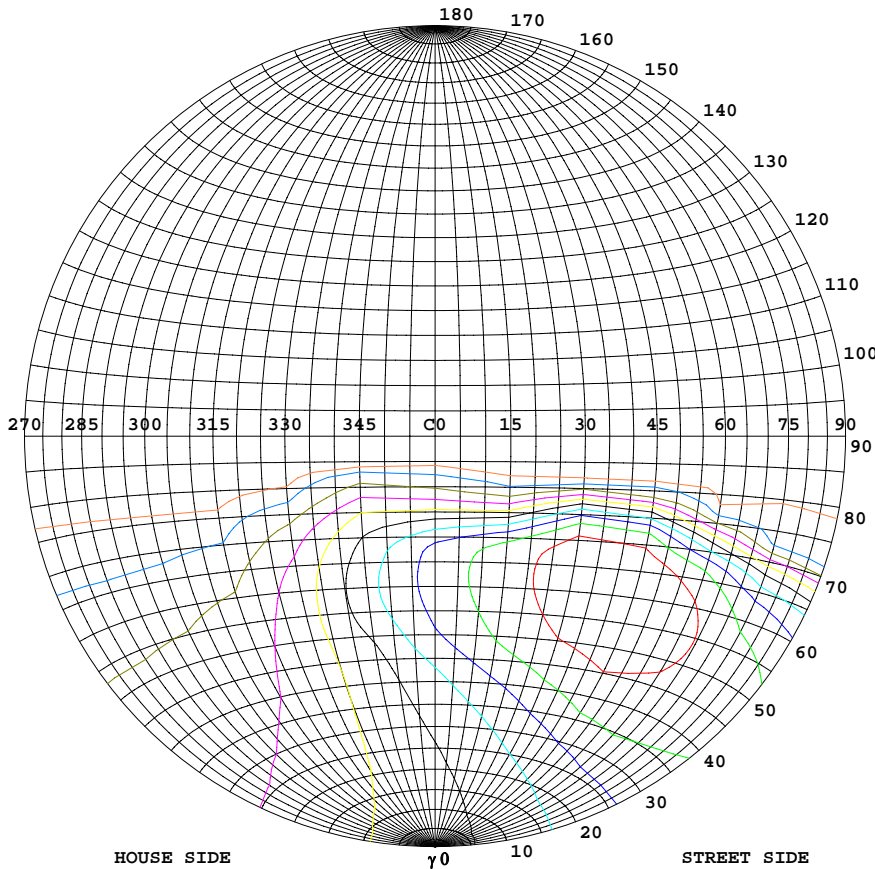


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-18

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:44.24V I:1.350A P:59.72W PF:1.000 Freq:0Hz Lamp Flux:10698.9x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:



Classification:

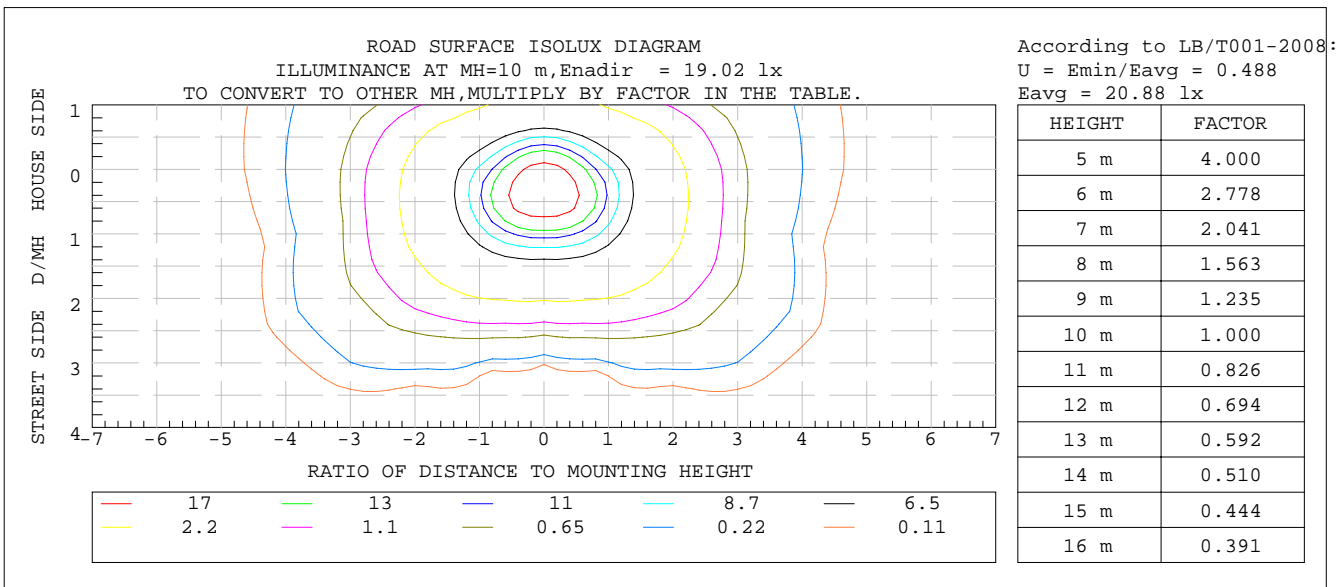
IES:Type IV - Short
 CIE:Broad - Intermediate
 IES:Full cut-off
 CIE:Semi-cut-off
 Max.At80:88.47cd/klm
 Max.At90:0cd/klm
 Max.80-90:88.47cd/klm
 NRB 5101:Semi limited[19.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4138
90%	3724
80%	3310
70%	2897
60%	2483
50%	2069
40%	1655
30%	1241
20%	828
10%	414
5%	207

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:44.24V I:1.350A P:59.72W PF:1.000 Freq:0Hz Lamp Flux:10698.9x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

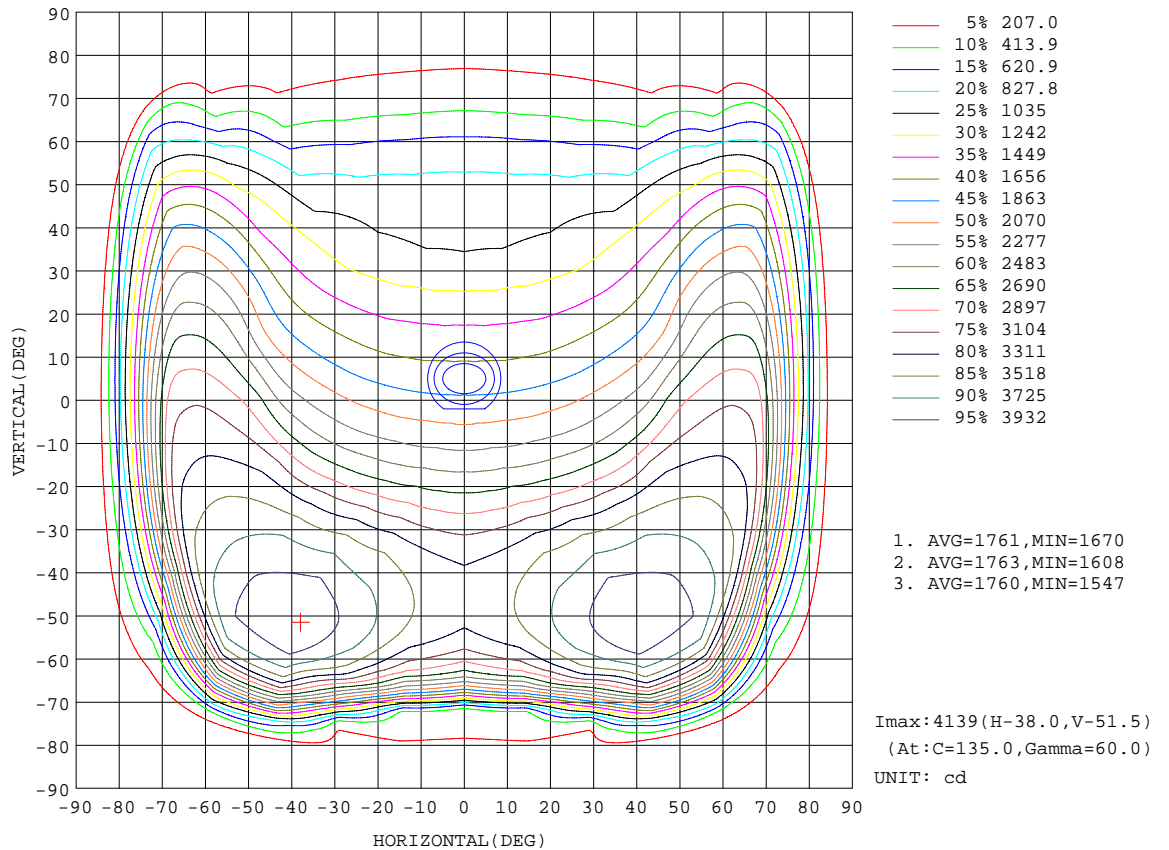
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	1917	2134	2218	2134	1917	1712	1631	1712	0- 10	182.6	182.6	1.71,1.71
20	1983	2450	2628	2450	1983	1547	1379	1547	10- 20	555.5	738.0	6.9,6.9
30	2119	2918	3053	2918	2119	1389	1124	1389	20- 30	954.2	1692	15.8,15.8
40	2351	3490	3339	3490	2351	1245	969.0	1245	30- 40	1396	3088	28.9,28.9
50	2831	3894	3363	3894	2831	1113	873.1	1113	40- 50	1860	4949	46.3,46.3
60	3055	4138	2938	4138	3055	868.7	663.0	868.7	50- 60	2237	7186	67.2,67.2
70	2722	3664	871.7	3664	2722	434.0	341.0	434.0	60- 70	2225	9410	88,88
80	770.5	545.9	167.6	545.9	770.5	131.2	172.8	131.2	70- 80	1155	10566	98.8,98.8
90	0	0	0	0	0	0	0	0	80- 90	133.2	10699	100,100
100	0	0	0	0	0	0	0	0	90-100	0	10699	100,100
110	0	0	0	0	0	0	0	0	100-110	0	10699	100,100
120	0	0	0	0	0	0	0	0	110-120	0	10699	100,100
130	0	0	0	0	0	0	0	0	120-130	0	10699	100,100
140	0	0	0	0	0	0	0	0	130-140	0	10699	100,100
150	0	0	0	0	0	0	0	0	140-150	0	10699	100,100
160	0	0	0	0	0	0	0	0	150-160	0	10699	100,100
170	0	0	0	0	0	0	0	0	160-170	0	10699	100,100
180	0	0	0	0	0	0	0	0	170-180	0	10699	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

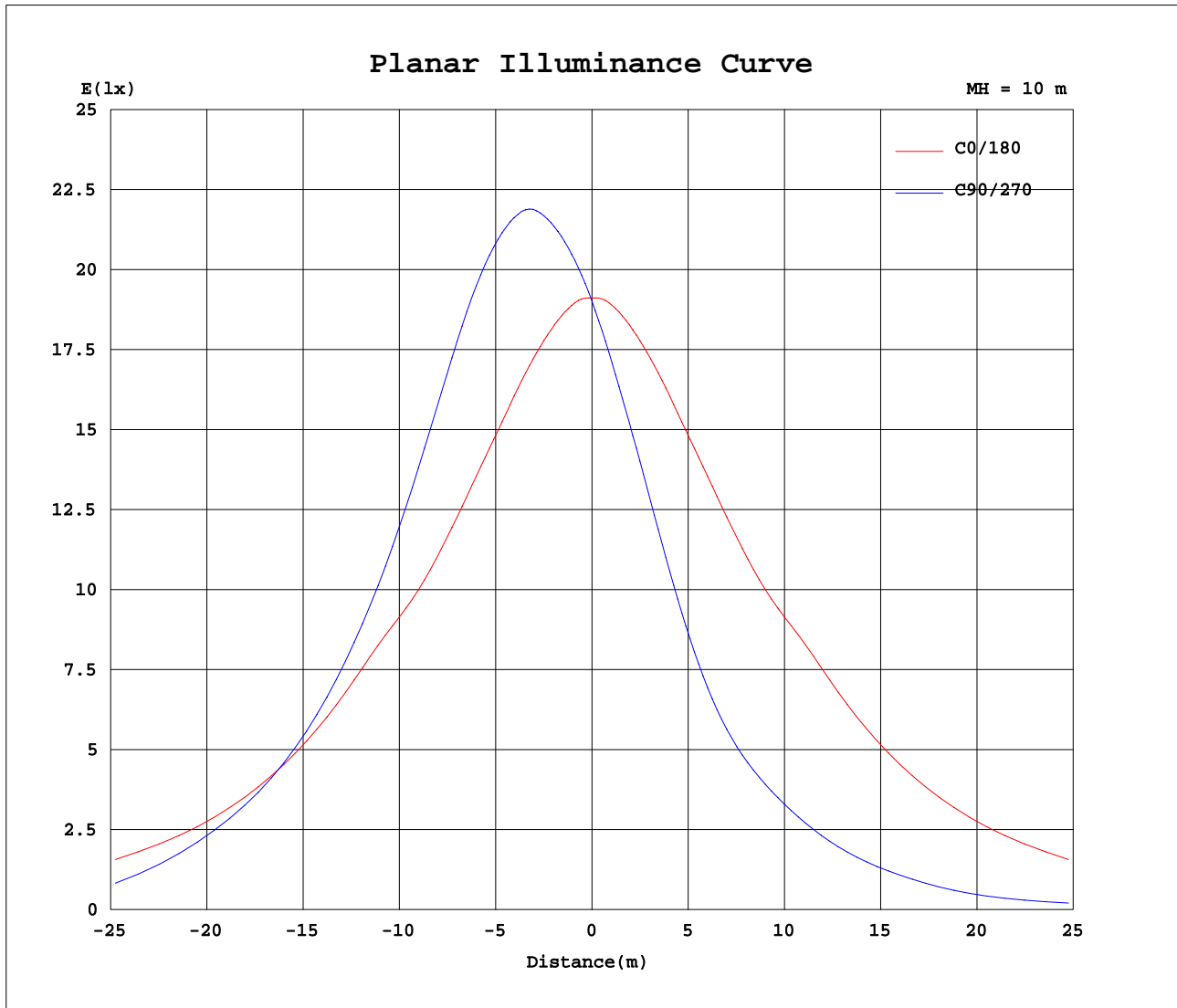
Test:U:44.24V I:1.350A P:59.72W PF:1.000 Freq:0Hz Lamp Flux:10698.9x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:



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

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



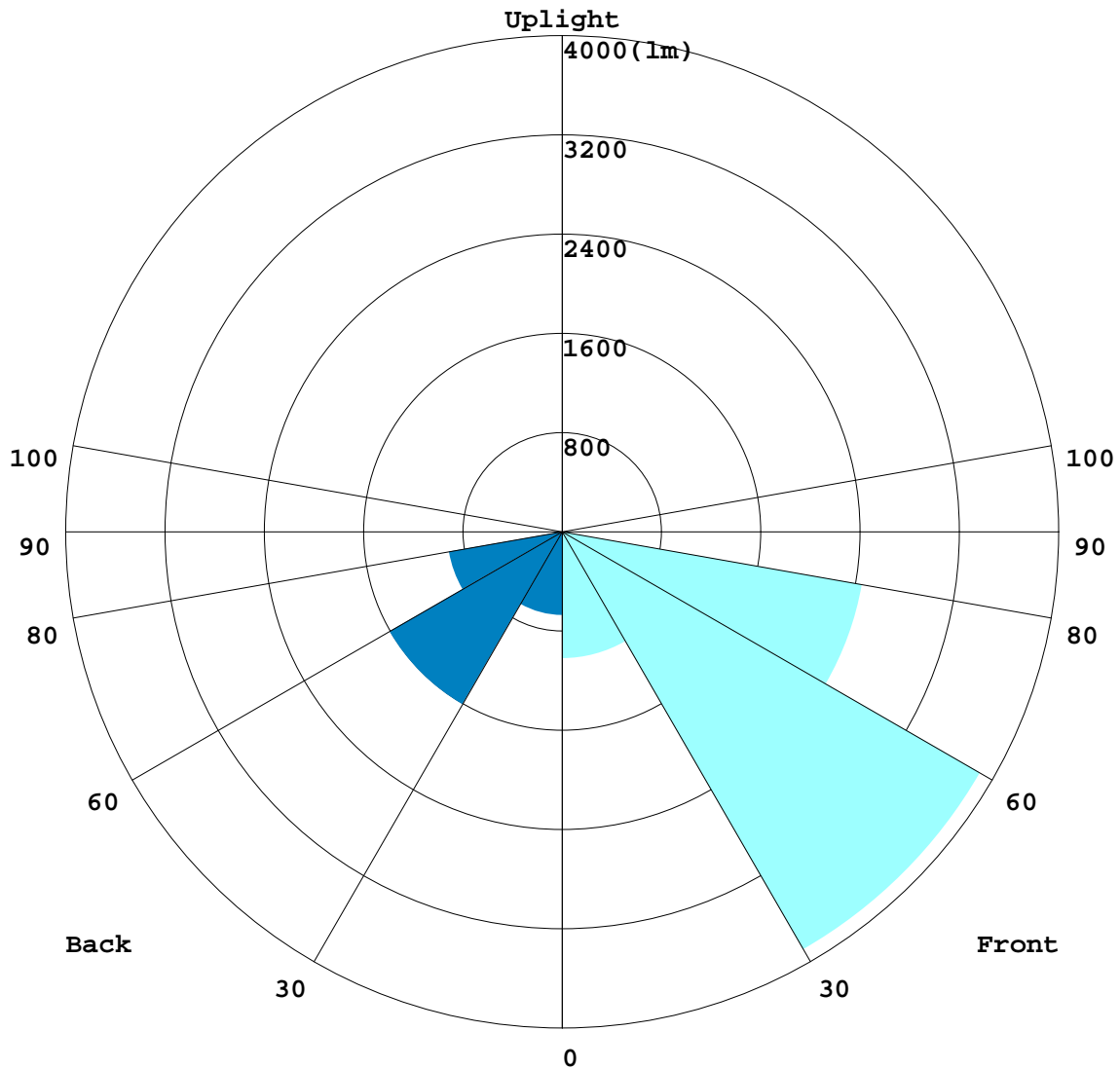
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2020-12-18

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:44.24V I:1.350A P:59.72W PF:1.000 Freq:0Hz Lamp Flux:10698.9x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-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:2020-12-18

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:44.24V I:1.350A P:59.72W PF:1.000 Freq:0Hz Lamp Flux:10698.9x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-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)	1019.9	9.5
FM - Front-Medium(30-60)	3886.9	36.3
FH - Front-High(60-80)	2452.8	22.9
FVH - Front-Very High(80-90)	66.497	0.6
Total Forward Light	7426.1	69.4

BL - Back-Low(0-30)	672.34	6.3
BM - Back-Medium(30-60)	1606.4	15.0
BH - Back-High(60-80)	927.38	8.7
BVH - Back-Very High(80-90)	66.73	0.6
Total Back Light	3272.9	30.6

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	3272.9	0	3272.9
Street Side	7426.1	0	7426.1

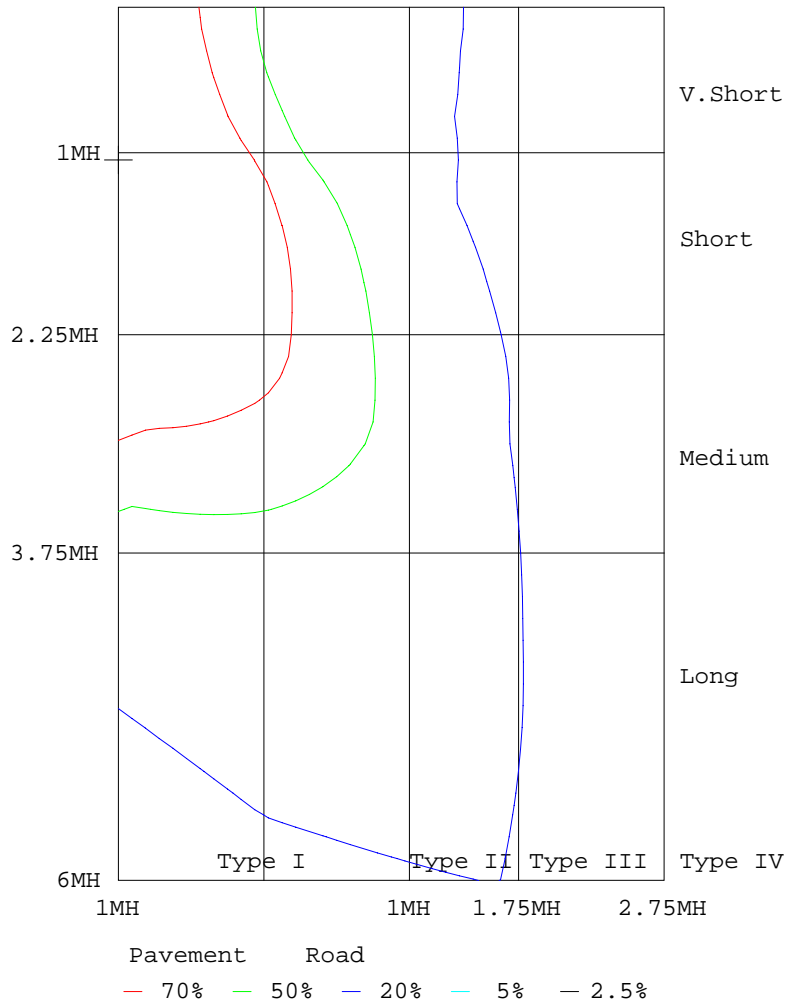
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-18

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:44.24V I:1.350A P:59.72W PF:1.000 Freq:0Hz Lamp Flux:10698.9x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-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:2020-12-18

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:44.24V I:1.350A P:59.72W PF:1.000 Freq:0Hz Lamp Flux:10698.9x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-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(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
5	1908	1946	1981	2011	2033	2047	2050	2047	2033	2011	1981	1946	1908	1870	1834	1805	1782	1767	1761
10	1917	1995	2069	2134	2181	2211	2218	2211	2181	2134	2069	1995	1917	1841	1770	1712	1668	1642	1631
15	1942	2062	2177	2276	2356	2403	2414	2403	2356	2276	2177	2062	1942	1825	1715	1626	1563	1522	1508
20	1983	2148	2308	2450	2563	2620	2628	2620	2563	2450	2308	2148	1983	1819	1667	1547	1456	1398	1379
25	2036	2253	2467	2659	2792	2844	2840	2844	2792	2659	2467	2253	2036	1825	1628	1468	1348	1273	1247
30	2119	2388	2659	2918	3059	3080	3053	3080	3059	2918	2659	2388	2119	1846	1594	1389	1242	1156	1124
35	2219	2558	2913	3218	3327	3292	3228	3292	3327	3218	2913	2558	2219	1877	1559	1312	1142	1055	1025
40	2351	2799	3193	3490	3530	3426	3339	3426	3530	3490	3193	2799	2351	1916	1527	1245	1068	995	969
45	2572	3106	3465	3712	3656	3495	3383	3495	3656	3712	3465	3106	2572	1981	1509	1187	1014	952	931
50	2831	3332	3687	3894	3761	3515	3363	3515	3761	3894	3687	3332	2831	2125	1504	1113	942	888	873
55	2973	3459	3833	4053	3825	3447	3233	3447	3825	4053	3833	3459	2973	2306	1485	1007	842	796	789
60	3055	3531	3916	4138	3761	3210	2938	3210	3761	4138	3916	3531	3055	2371	1436	869	714	668	663
65	3051	3526	3937	4043	3484	2660	2326	2660	3484	4043	3937	3526	3051	2299	1315	685	530	480	472
70	2722	3154	3790	3664	2507	1404	872	1404	2507	3664	3790	3154	2722	2090	1078	434	345	332	341
75	1750	1754	2829	2447	842	248	246	248	842	2447	2829	1754	1750	1659	649	249	231	234	242
80	770	425	770	546	176	193	168	193	176	546	770	425	770	947	228	131	151	171	173
85	135	54.6	76.4	128	112	93.6	82.5	93.6	112	128	76.4	54.6	135	140	46.3	62.4	92.2	112	114
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:44.24V I:1.350A P:59.72W PF:1.000 Freq:0Hz Lamp Flux:10698.9x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-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(DEG) γ (DEG)	285	300	315	330	345														
0	1900	1900	1900	1900	1900														
5	1767	1782	1805	1834	1870														
10	1642	1668	1712	1770	1841														
15	1522	1563	1626	1715	1825														
20	1398	1456	1547	1667	1819														
25	1273	1348	1468	1628	1825														
30	1156	1242	1389	1594	1846														
35	1055	1142	1312	1559	1877														
40	995	1068	1245	1527	1916														
45	952	1014	1187	1509	1981														
50	888	942	1113	1504	2125														
55	796	842	1007	1485	2306														
60	668	714	869	1436	2371														
65	480	530	685	1315	2299														
70	332	345	434	1078	2090														
75	234	231	249	649	1659														
80	171	151	131	228	947														
85	112	92.2	62.4	46.3	140														
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: