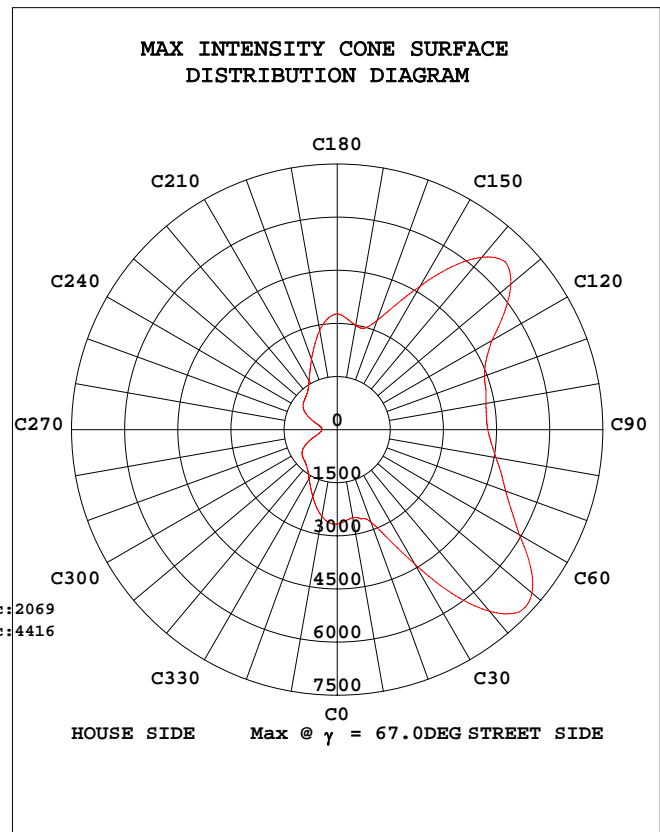
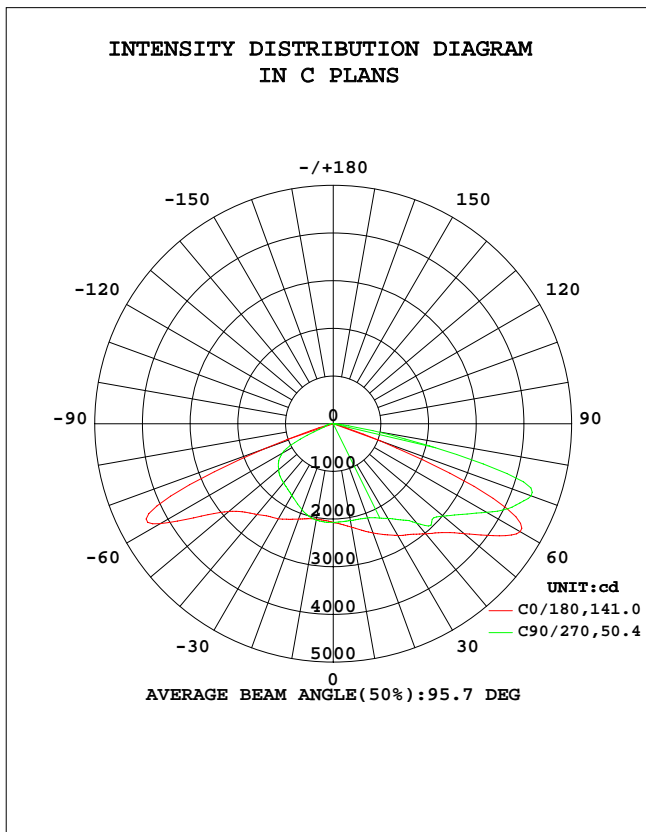


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:479.1V I:0.1699A P:73.66W PF:0.9049 Freq:60.01Hz Lamp Flux:12559.5x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-75WPLA-HV-L2-00-5070-T411-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 170.52 lm/W			
MODEL	2835	I _{max} (cd)	7273	η street_up(%)	0.0
NOMINAL POWER(W)	75	LOR(%)	100.0	η street_down(%)	65.0
RATED VOLTAGE(V)	480	TOTAL FLUX(lm)	12559	η house_up(%)	0.0
NOMINAL FLUX(lm)	12559.5	MAXIMUM @(C,γ)	45,67.0	η house_down(%)	35.0
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	480	η down(%)	100.0	SLI	17.319

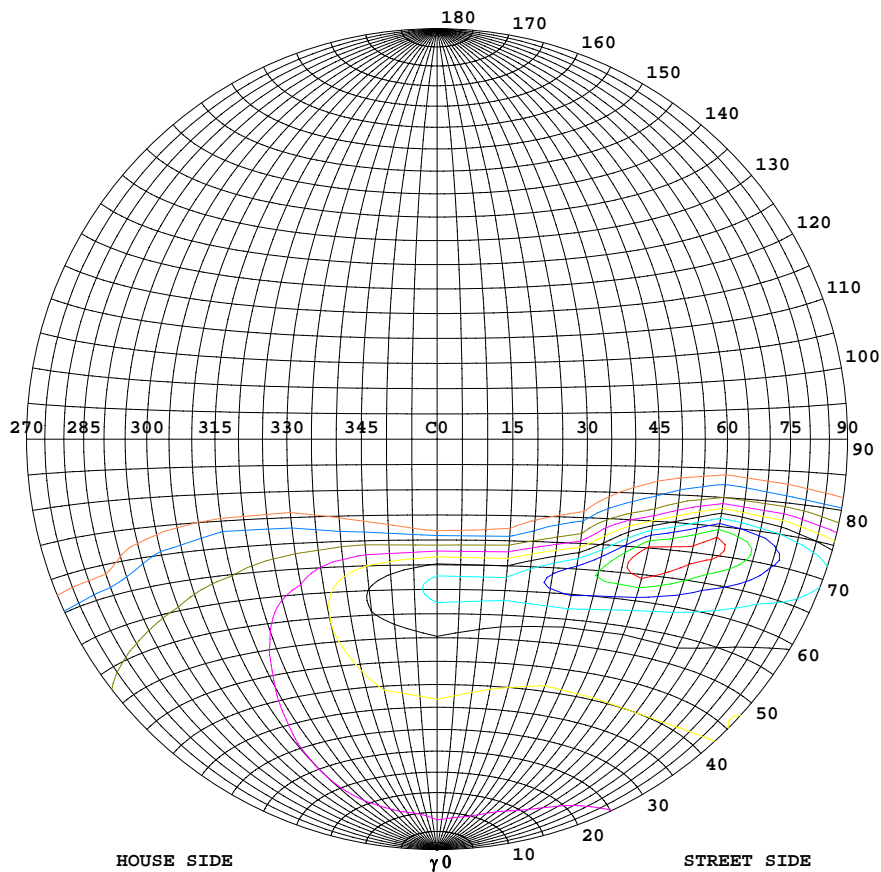


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-21

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

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:479.1V I:0.1699A P:73.66W PF:0.9049 Freq:60.01Hz Lamp Flux:12559.5x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-75WPLA-HV-L2-00-5070-T411-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:



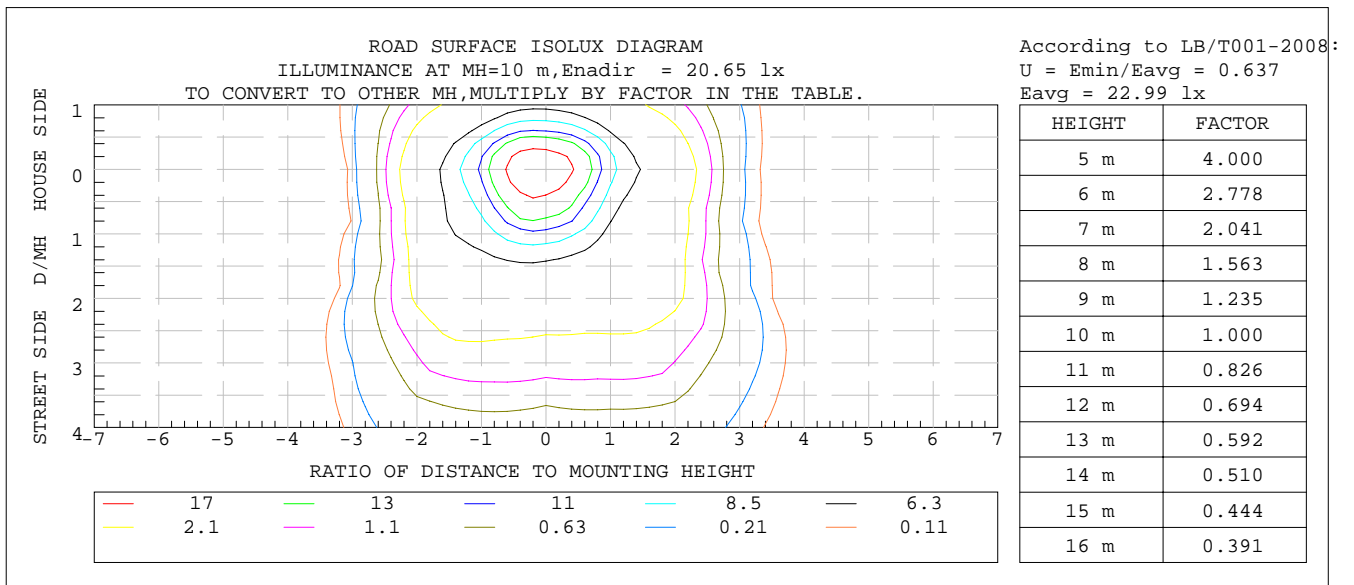
Classification:

IES:Type IV - Short
CIE:Broad - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:134.9cd/klm
Max.At90:0cd/klm
Max.80-90:134.9cd/klm
NRB 5101:Limited[8.6%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7273
90%	6546
80%	5818
70%	5091
60%	4364
50%	3636
40%	2909
30%	2182
20%	1455
10%	727
5%	364

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-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: 2022-12-21

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

ZONAL FLUX DIAGRAM

Test:U:479.1V I:0.1699A P:73.66W PF:0.9049 Freq:60.01Hz Lamp Flux:12559.5x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-75WPLA-HV-L2-00-5070-T411-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

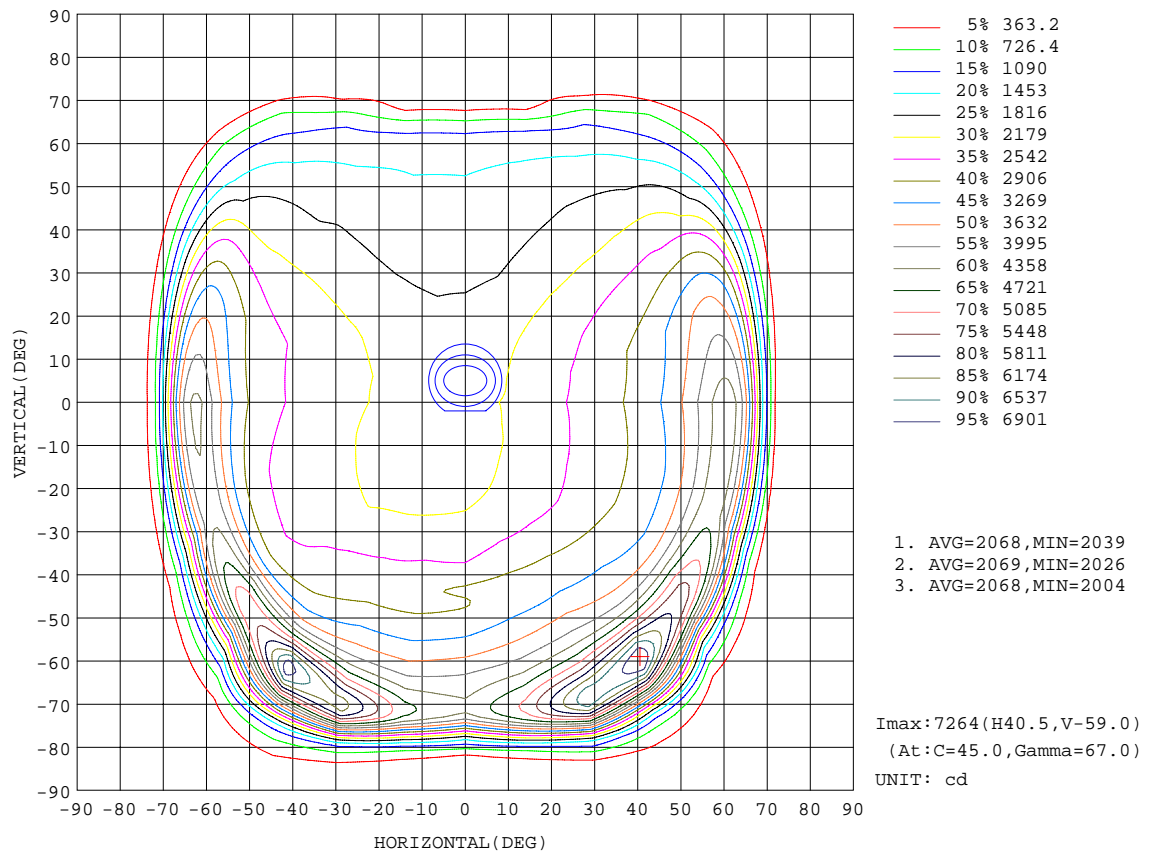
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	2202	2145	2063	2022	2034	2026	2052	2137	0- 10	198.2	198.2	1.58,1.58
20	2438	2295	2102	2050	2129	2014	1920	2228	10- 20	600.2	798.4	6.36,6.36
30	2706	2511	2294	2146	2303	2019	1738	2266	20- 30	1019	1817	14.5,14.5
40	3014	2876	2721	2380	2486	1965	1622	2214	30- 40	1465	3283	26.1,26.1
50	3587	3361	3014	2691	2865	1852	1496	2076	40- 50	1952	5234	41.7,41.7
60	4527	4866	3718	3696	4191	1624	1236	1752	50- 60	2562	7796	62.1,62.1
70	1044	6629	4416	7031	1518	1055	207.2	1031	60- 70	3082	10878	86.6,86.6
80	78.53	649.8	843.9	1079	73.12	109.7	116.6	107.9	70- 80	1539	12417	98.9,98.9
90	0	0	0	0	0	0	0	0	80- 90	142.3	12559	100,100
100	0	0	0	0	0	0	0	0	90-100	0	12559	100,100
110	0	0	0	0	0	0	0	0	100-110	0	12559	100,100
120	0	0	0	0	0	0	0	0	110-120	0	12559	100,100
130	0	0	0	0	0	0	0	0	120-130	0	12559	100,100
140	0	0	0	0	0	0	0	0	130-140	0	12559	100,100
150	0	0	0	0	0	0	0	0	140-150	0	12559	100,100
160	0	0	0	0	0	0	0	0	150-160	0	12559	100,100
170	0	0	0	0	0	0	0	0	160-170	0	12559	100,100
180	0	0	0	0	0	0	0	0	170-180	0	12559	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:2022-12-21

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

ISOCANDELA DIAGRAM

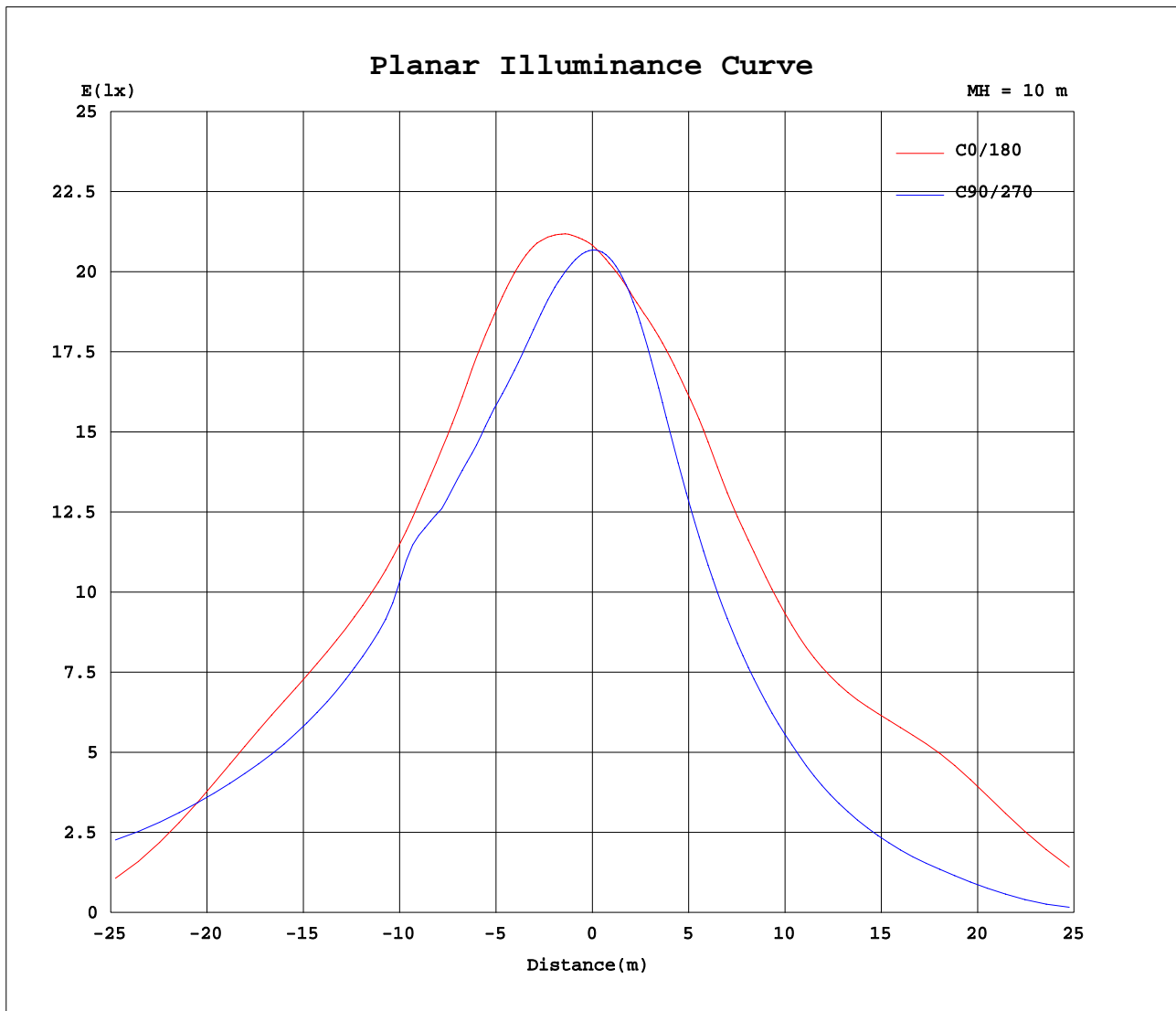
Test:U:479.1V I:0.1699A P:73.66W PF:0.9049 Freq:60.01Hz Lamp Flux:12559.5x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-75WPLA-HV-L2-00-5070-T411-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-21

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

Planar Illuminance Curve



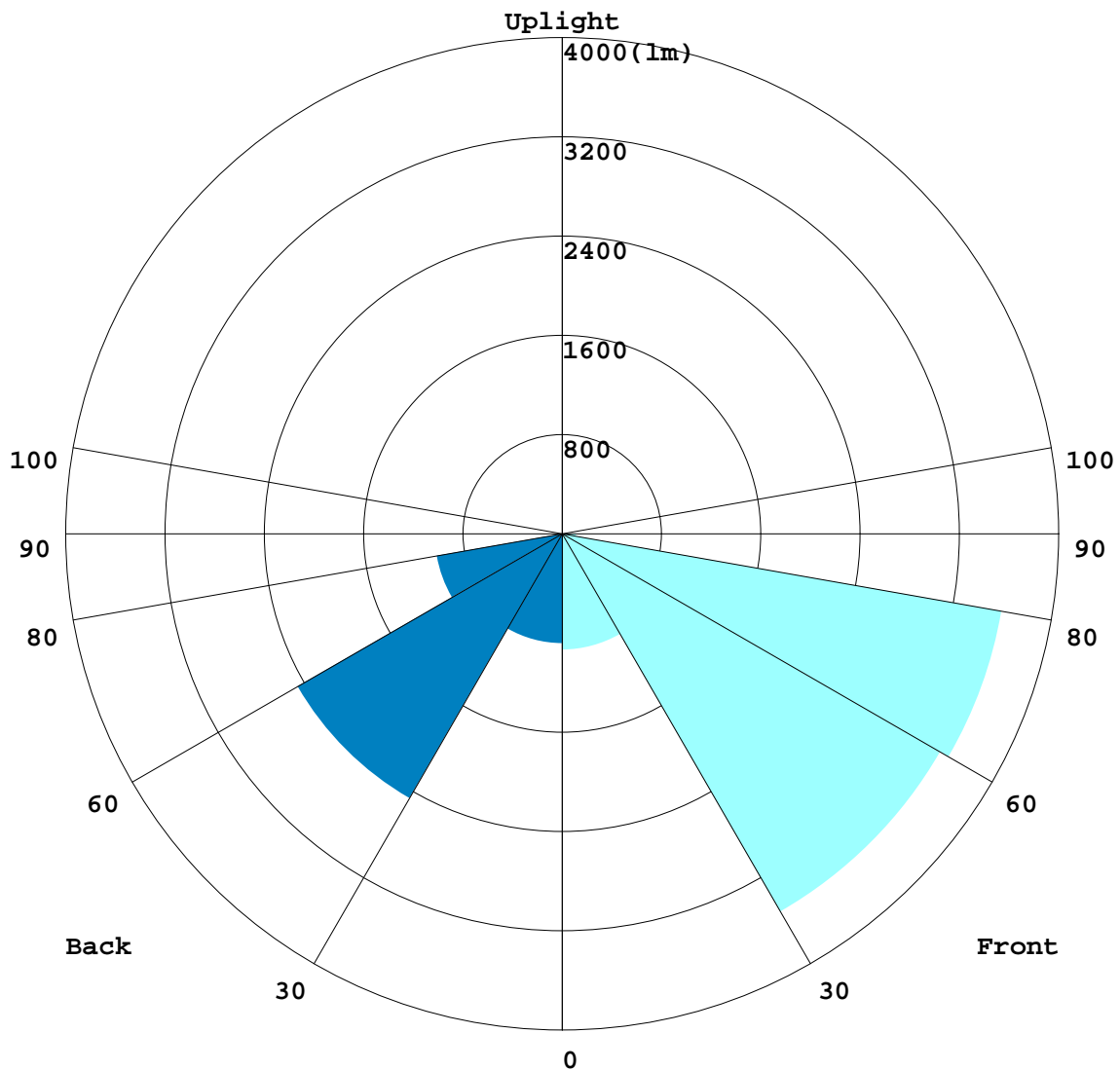
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-12-21

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

LCS REPORT

Test:U:479.1V I:0.1699A P:73.66W PF:0.9049 Freq:60.01Hz Lamp Flux:12559.5x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-75WPLA-HV-L2-00-5070-T411-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-21

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

BUG REPORT

Test:U:479.1V I:0.1699A P:73.66W PF:0.9049 Freq:60.01Hz Lamp Flux:12559.5x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-75WPLA-HV-L2-00-5070-T411-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	934.13	7.4
FM - Front-Medium(30-60)	3517.4	28.0
FH - Front-High(60-80)	3595.1	28.6
FVH - Front-Very High(80-90)	113.51	0.9
Total Forward Light	8160.1	65.0

BL - Back-Low(0-30)	883.17	7.0
BM - Back-Medium(30-60)	2461.4	19.6
BH - Back-High(60-80)	1025.9	8.2
BVH - Back-Very High(80-90)	28.786	0.2
Total Back Light	4399.3	35.0

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	4399.3	0	4399.3
Street Side	8160.1	0	8160.1

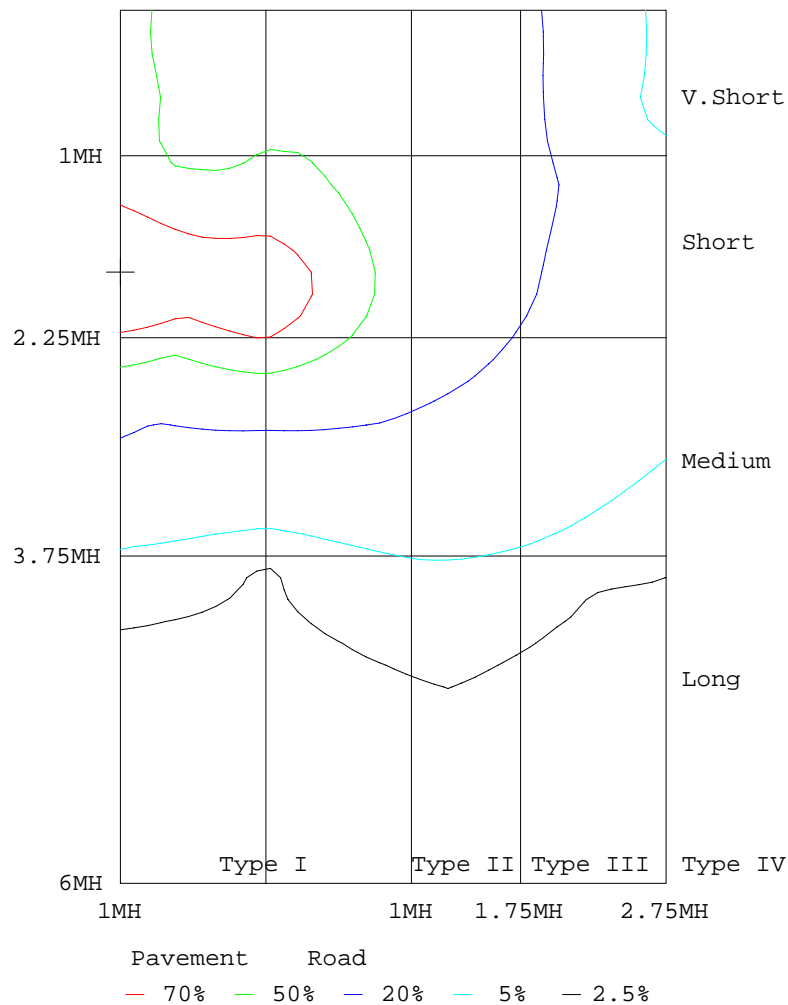
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-21

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

ROAD ISOCANDELA REPORT

Test:U:479.1V I:0.1699A P:73.66W PF:0.9049 Freq:60.01Hz Lamp Flux:12559.5x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-75WPLA-HV-L2-00-5070-T411-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-21

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:479.1V I:0.1699A P:73.66W PF:0.9049 Freq:60.01Hz Lamp Flux:12559.5x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-75WPLA-HV-L2-00-5070-T411-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	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	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069
5	2121	2117	2109	2098	2088	2075	2063	2052	2043	2036	2035	2036	2037	2040	2042	2046	2052	2060	2069
10	2202	2194	2173	2145	2118	2090	2063	2040	2026	2022	2030	2035	2034	2036	2031	2026	2025	2033	2052
15	2311	2294	2264	2214	2169	2120	2073	2045	2035	2033	2043	2051	2061	2067	2043	2013	1990	1983	2004
20	2438	2407	2364	2295	2236	2168	2102	2069	2059	2050	2074	2101	2129	2136	2089	2014	1943	1908	1920
25	2566	2529	2473	2388	2341	2267	2178	2146	2120	2084	2127	2170	2211	2214	2144	2022	1894	1822	1824
30	2706	2660	2595	2511	2478	2417	2294	2260	2207	2146	2194	2256	2303	2300	2193	2019	1844	1744	1738
35	2834	2775	2716	2658	2675	2632	2462	2451	2395	2238	2257	2308	2368	2365	2224	1992	1794	1683	1672
40	3014	2919	2855	2876	2910	2858	2721	2624	2543	2380	2328	2390	2486	2470	2245	1965	1738	1628	1622
45	3230	3086	3039	3159	3243	3136	2920	2856	2805	2588	2433	2482	2624	2575	2249	1917	1692	1572	1573
50	3587	3371	3265	3361	3393	3232	3014	2912	2886	2691	2547	2663	2865	2723	2219	1852	1648	1509	1496
55	4094	3926	3885	3813	3810	3561	3313	3194	3224	2993	2922	3125	3381	2993	2167	1753	1546	1428	1400
60	4527	4531	5134	4866	4397	3980	3718	3563	3687	3696	4193	4061	4191	3290	2048	1624	1400	1267	1236
65	3700	3628	5280	6798	5398	4547	4137	4097	4551	5676	5311	3817	4080	2977	1786	1401	1199	882	765
70	1044	1047	2403	6629	6699	5130	4416	4724	5902	7031	2994	1575	1518	1474	1220	1055	747	216	207
75	131	140	533	2955	5457	4383	3258	4177	5816	4069	1039	300	142	320	475	453	184	162	160
80	78.5	84.8	119	650	1451	1142	844	1127	1694	1079	269	81.4	73.1	98.0	101	110	126	113	117
85	37.6	45.2	45.6	168	259	175	119	181	300	307	56.2	34.1	27.9	37.9	31.1	36.1	84.2	60.0	67.0
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:2022-12-21

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:479.1V I:0.1699A P:73.66W PF:0.9049 Freq:60.01Hz Lamp Flux:12559.5x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-75WPLA-HV-L2-00-5070-T411-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	2069	2069	2069	2069	2069														
5	2080	2092	2103	2113	2120														
10	2072	2101	2137	2171	2195														
15	2037	2101	2181	2254	2305														
20	1973	2085	2228	2347	2426														
25	1893	2057	2257	2430	2545														
30	1819	2014	2266	2508	2679														
35	1760	1965	2243	2564	2791														
40	1708	1909	2214	2617	2948														
45	1656	1855	2156	2635	3116														
50	1592	1794	2076	2627	3360														
55	1500	1668	1946	2552	3622														
60	1325	1486	1752	2337	3674														
65	933	1246	1440	1849	2923														
70	224	811	1031	1154	1183														
75	162	259	427	474	262														
80	111	135	108	106	101														
85	57.2	86.5	36.3	33.3	45.7														
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:2022-12-21

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