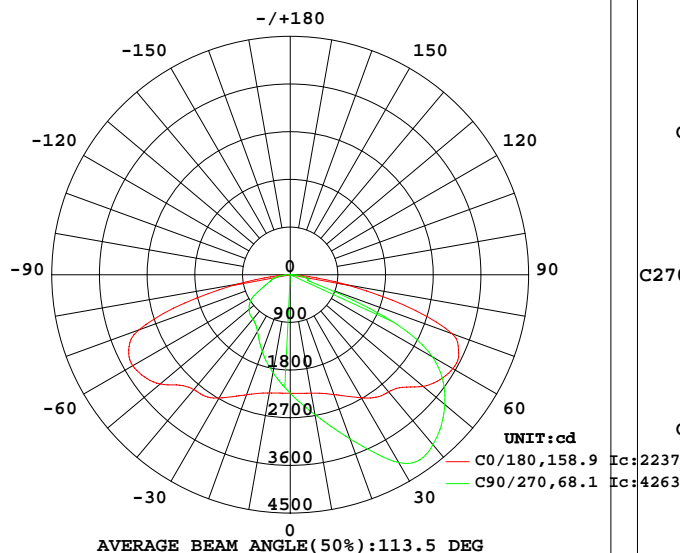
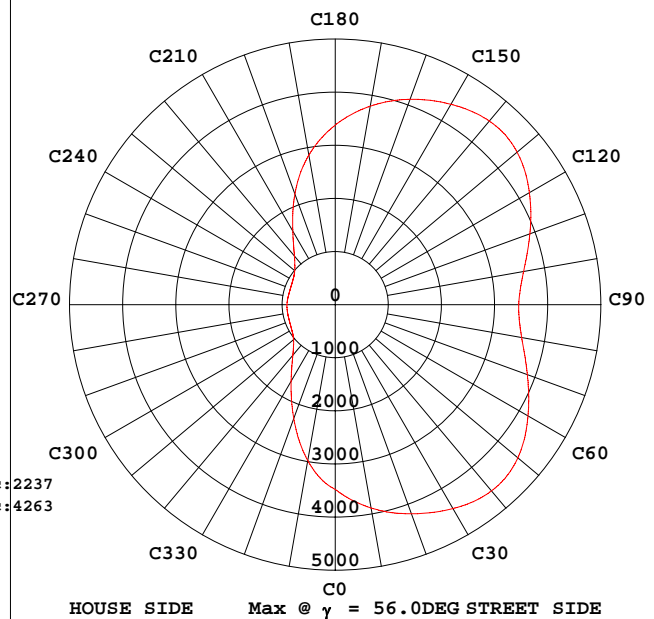


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:27.30V I:2.220A P:60.59W PF:1.000 Freq:49.99Hz Lamp Flux:12380.1x1 lm		
NAME: AOK sAA	TYPE:LED STREET LIGHT	WEIGHT:4.2KG
SPEC.:AOK-60WsAA-MS-A5-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 204.33 lm/W			
MODEL	5050	I _{max} (cd)	4566	η street_up(%)	0.0
NOMINAL POWER(W)	60	LOR(%)	100.0	η street_down(%)	69.5
RATED VOLTAGE(V)		TOTAL FLUX(lm)	12380	η house_up(%)	0.0
NOMINAL FLUX(lm)	12380.1	MAXIMUM @(C,γ)	45,56.0	η house_down(%)	30.5
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)		η down(%)	100.0	SLI	21.533

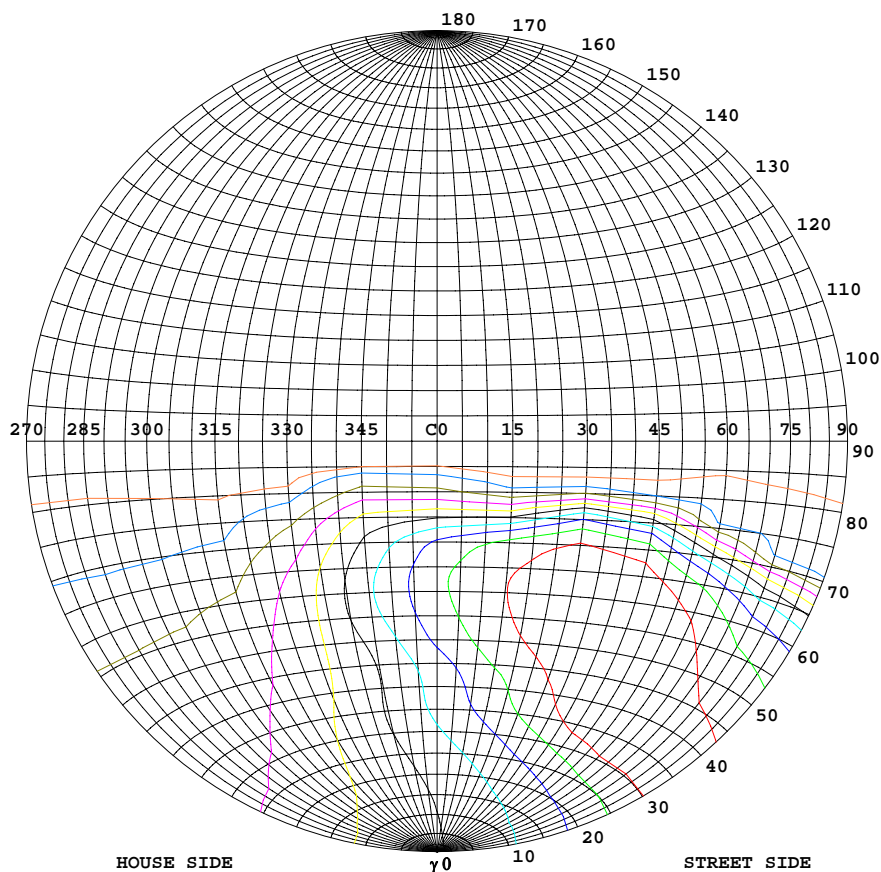
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-6-25

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:27.30V I:2.220A P:60.59W PF:1.000 Freq:49.99Hz Lamp Flux:12380.1x1 lm		
NAME: AOK sAA	TYPE:LED STREET LIGHT	WEIGHT:4.2KG
SPEC.:AOK-60WsAA-MS-A5-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:



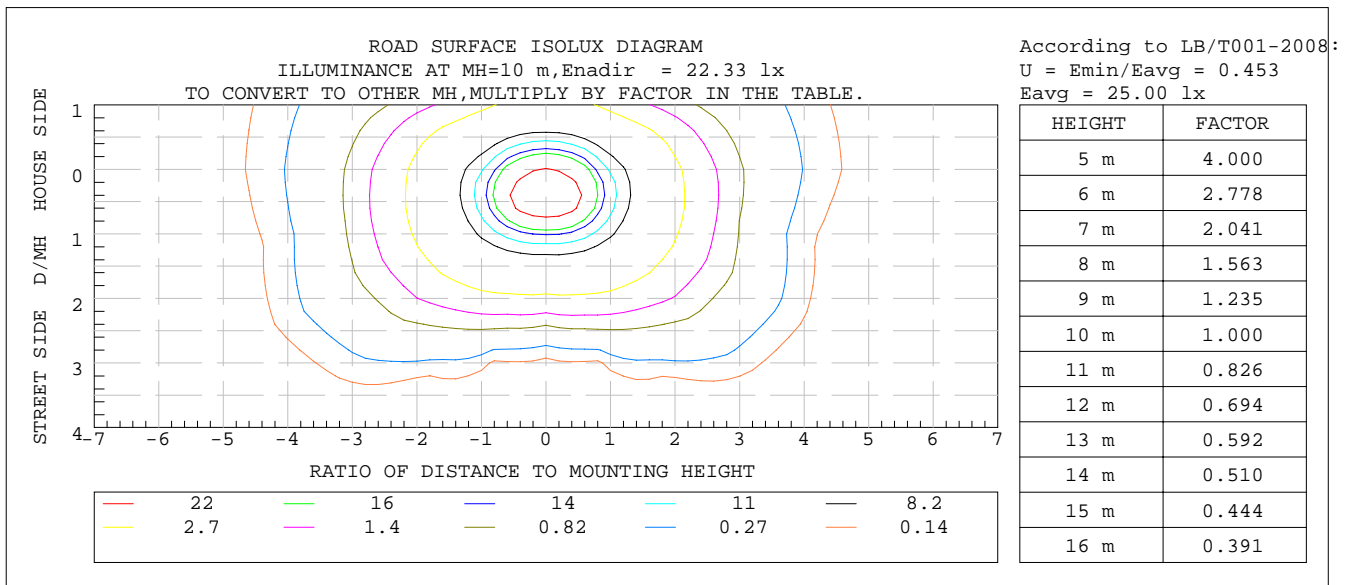
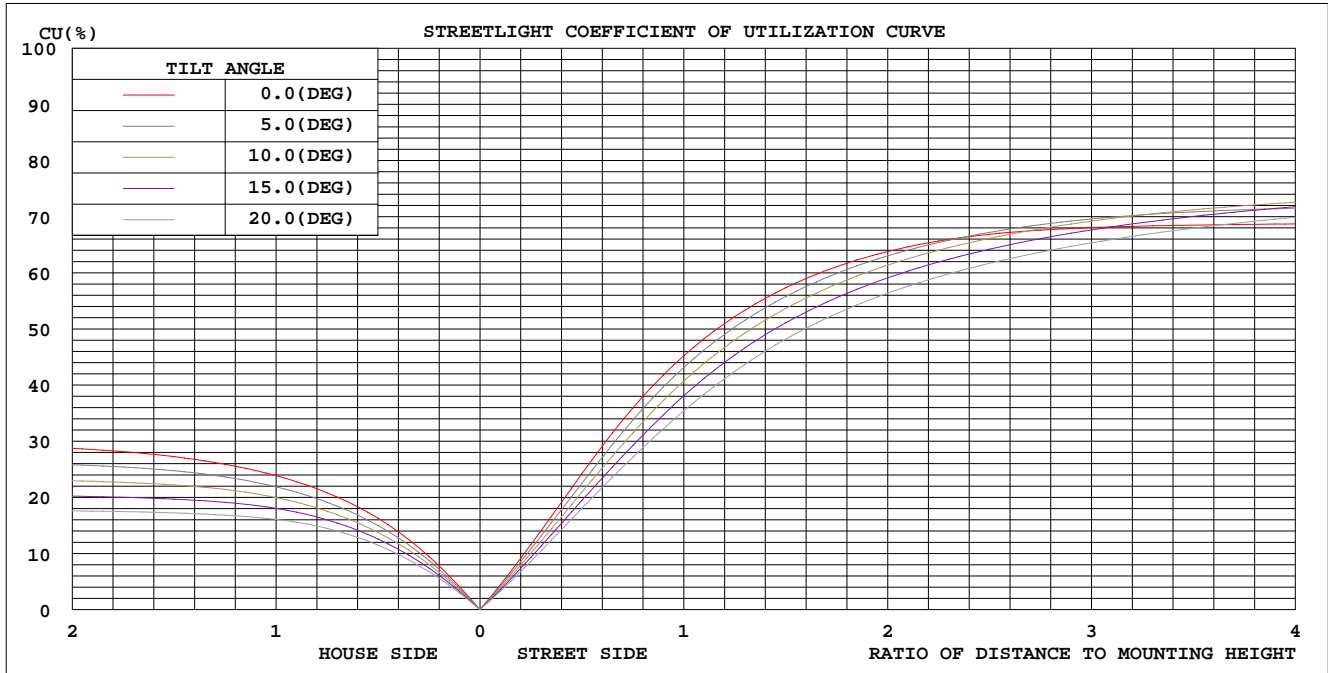
Classification:

IES:Type IV - Short
CIE:Broad - Short
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:89.51cd/klm
Max.At90:0cd/klm
Max.80-90:89.51cd/klm
NRB 5101:Semi limited[19.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4566
90%	4109
80%	3653
70%	3196
60%	2740
50%	2283
40%	1826
30%	1370
20%	913
10%	457
5%	228

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-6-25

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: yanyonggeng
Test Date: 2024-6-25

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:27.30V I:2.220A P:60.59W PF:1.000 Freq:49.99Hz Lamp Flux:12380.1x1 lm		
NAME: AOK sAA	TYPE:LED STREET LIGHT	WEIGHT:4.2KG
SPEC.:AOK-60WsAA-MS-A5-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

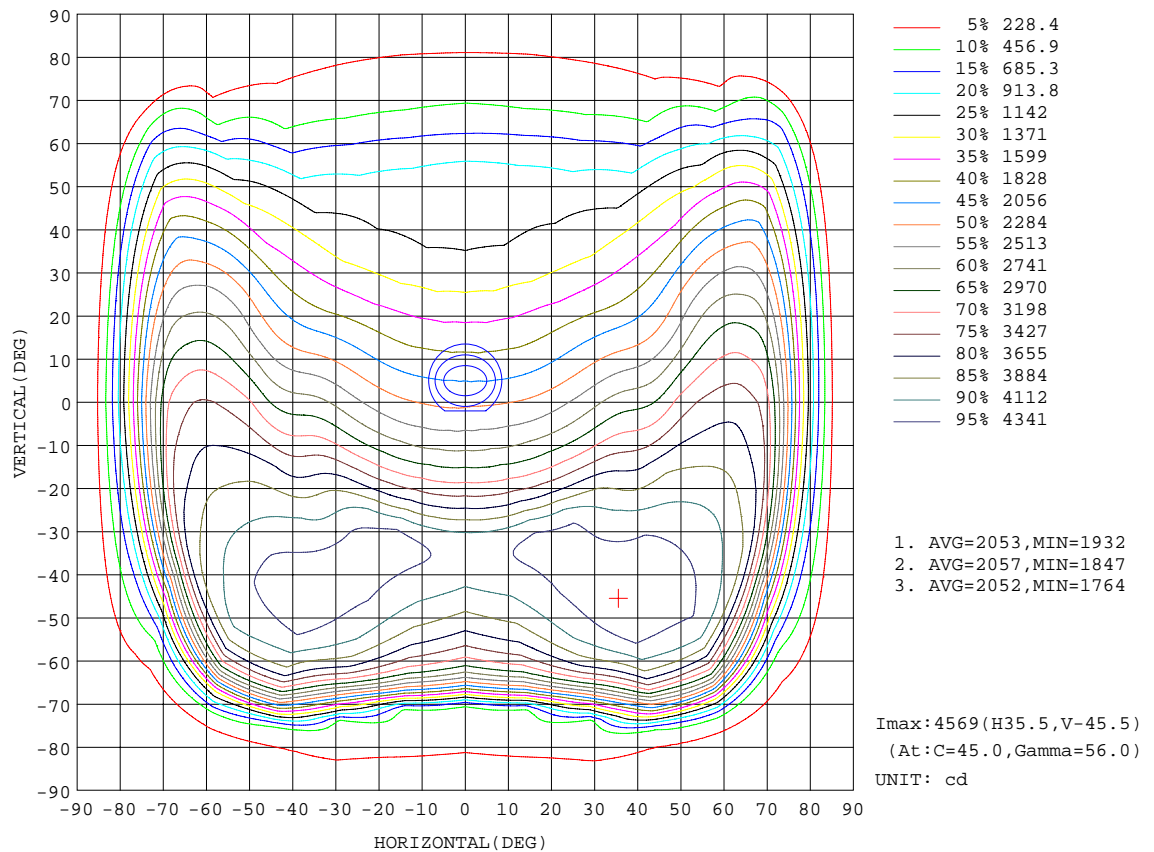
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	2270	2557	2681	2556	2266	1988	1878	1989	0- 10	215.3	215.3	1.74,1.74
20	2407	3026	3297	3049	2410	1793	1545	1796	10- 20	663.6	878.9	7.1,7.1
30	2682	3793	4093	3845	2688	1613	1241	1631	20- 30	1183	2062	16.7,16.7
40	2887	4389	4189	4363	2831	1408	1097	1433	30- 40	1757	3819	30.9,30.9
50	3278	4518	3807	4486	3208	1228	1017	1260	40- 50	2190	6009	48.5,48.5
60	3545	4522	3101	4463	3433	947.8	789.6	991.2	50- 60	2515	8524	68.9,68.9
70	3252	3835	553.6	3766	3039	476.6	439.8	541.9	60- 70	2398	10922	88.2,88.2
80	1050	448.1	267.7	342.3	985.5	191.3	258.3	213.8	70- 80	1268	12190	98.5,98.5
90	0	0	0	0	0	0	0	0	80- 90	189.8	12380	100,100
100	0	0	0	0	0	0	0	0	90-100	0	12380	100,100
110	0	0	0	0	0	0	0	0	100-110	0	12380	100,100
120	0	0	0	0	0	0	0	0	110-120	0	12380	100,100
130	0	0	0	0	0	0	0	0	120-130	0	12380	100,100
140	0	0	0	0	0	0	0	0	130-140	0	12380	100,100
150	0	0	0	0	0	0	0	0	140-150	0	12380	100,100
160	0	0	0	0	0	0	0	0	150-160	0	12380	100,100
170	0	0	0	0	0	0	0	0	160-170	0	12380	100,100
180	0	0	0	0	0	0	0	0	170-180	0	12380	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-6-25

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:

ISOCANDELA DIAGRAM

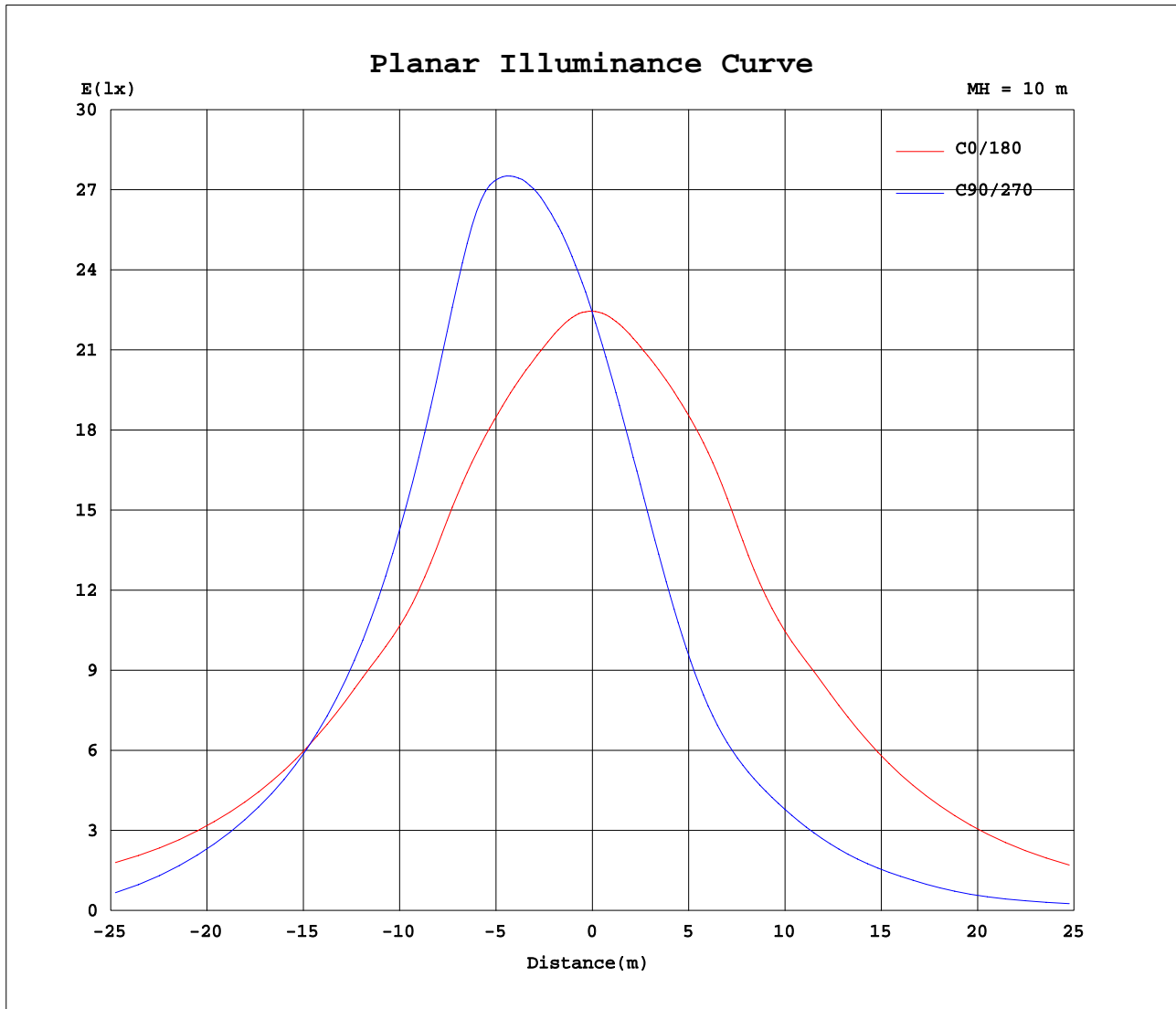
Test:U:27.30V I:2.220A P:60.59W PF:1.000 Freq:49.99Hz Lamp Flux:12380.1x1 lm		
NAME: AOK sAA	TYPE:LED STREET LIGHT	WEIGHT:4.2KG
SPEC.:AOK-60WsAA-MS-A5-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yanyonggeng
Test Date: 2024-6-25

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



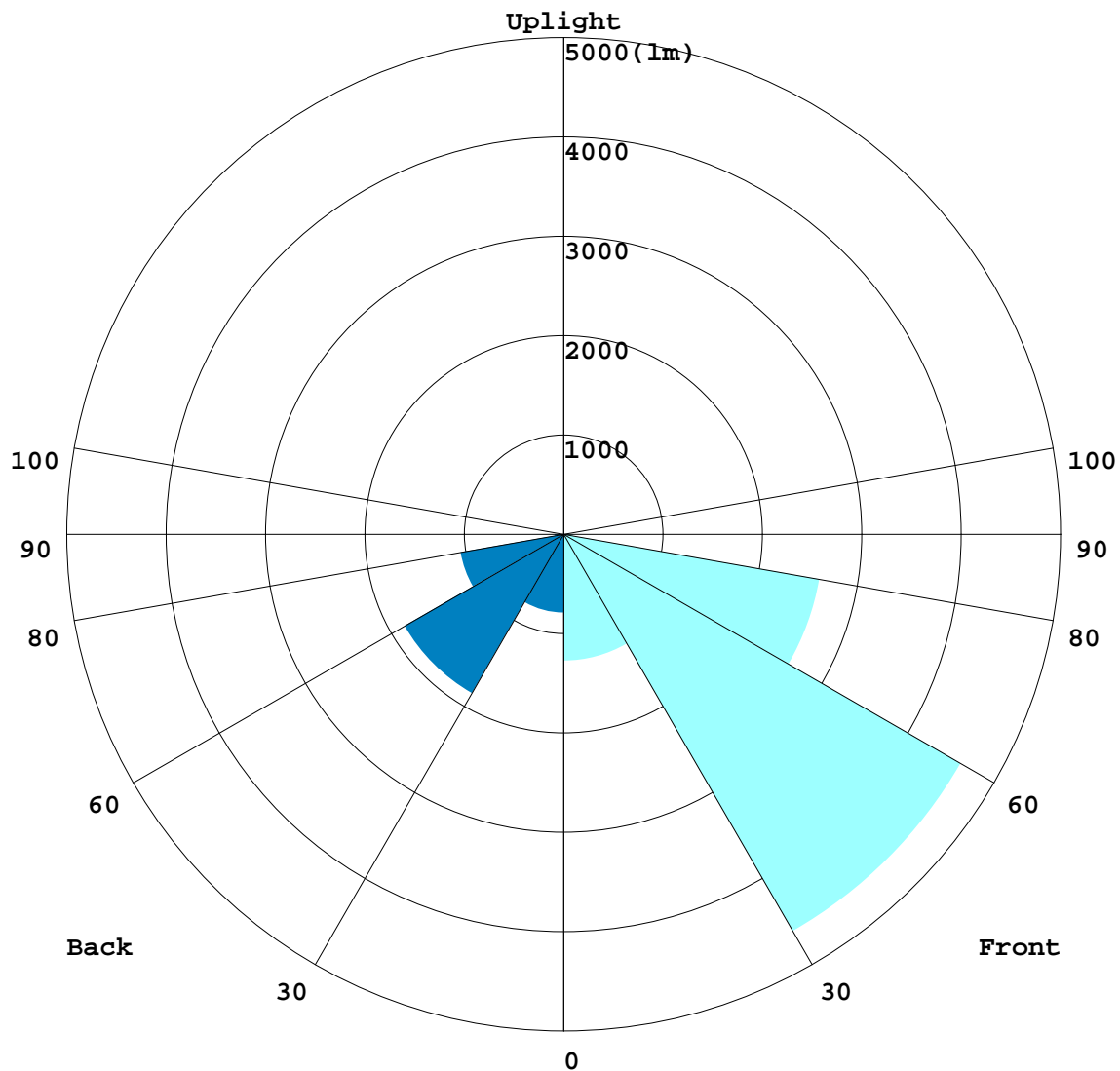
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yanyonggeng
Test Date: 2024-6-25

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:27.30V I:2.220A P:60.59W PF:1.000 Freq:49.99Hz Lamp Flux:12380.1x1 lm		
NAME: AOK sAA	TYPE:LED STREET LIGHT	WEIGHT:4.2KG
SPEC.:AOK-60WsAA-MS-A5-5070-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:yanyonggeng
Test Date:2024-6-25

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:27.30V I:2.220A P:60.59W PF:1.000 Freq:49.99Hz Lamp Flux:12380.1x1 lm		
NAME: AOK sAA	TYPE:LED STREET LIGHT	WEIGHT:4.2KG
SPEC.:AOK-60WsAA-MS-A5-5070-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)	1272.8	10.3
FM - Front-Medium(30-60)	4613.9	37.3
FH - Front-High(60-80)	2613.8	21.1
FVH - Front-Very High(80-90)	99.475	0.8
Total Forward Light	8600	69.5

BL - Back-Low(0-30)	789	6.4
BM - Back-Medium(30-60)	1848.1	14.9
BH - Back-High(60-80)	1052.6	8.5
BVH - Back-Very High(80-90)	90.338	0.7
Total Back Light	3780.1	30.5

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
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3780.1	0	3780.1
Street Side	8600	0	8600

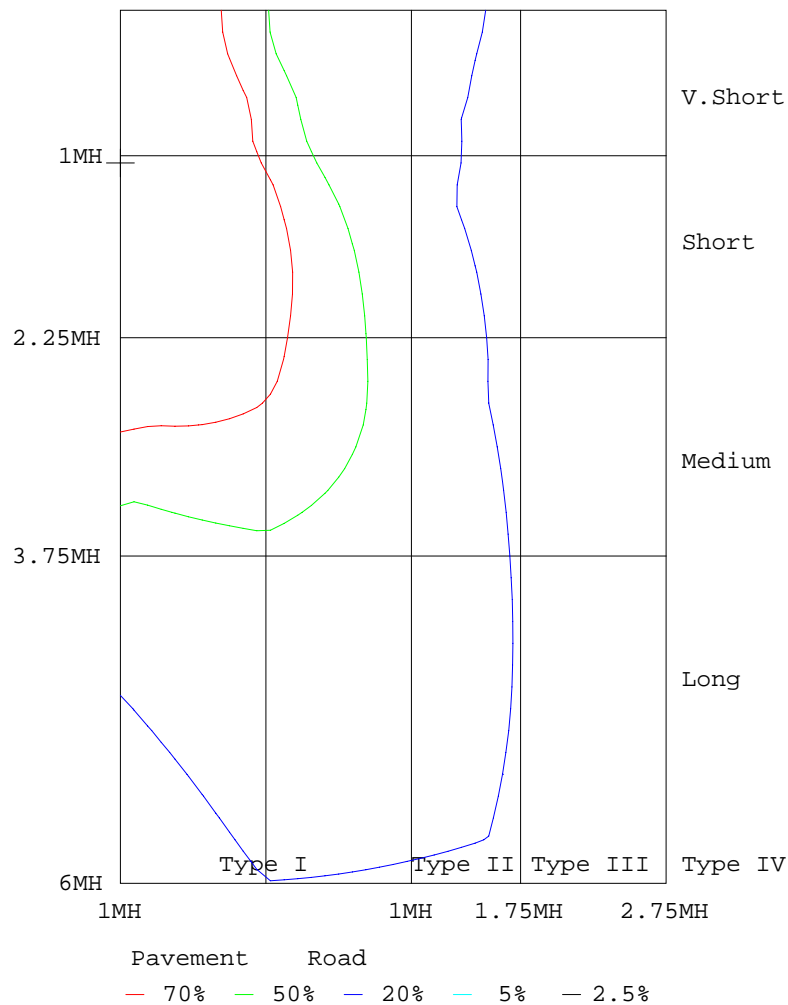
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-6-25

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:27.30V I:2.220A P:60.59W PF:1.000 Freq:49.99Hz Lamp Flux:12380.1x1 lm		
NAME: AOK sAA	TYPE:LED STREET LIGHT	WEIGHT:4.2KG
SPEC.:AOK-60WsAA-MS-A5-5070-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:yanyonggeng
Test Date:2024-6-25

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:27.30V I:2.220A P:60.59W PF:1.000 Freq:49.99Hz Lamp Flux:12380.1x1 lm		
NAME: AOK sAA	TYPE:LED STREET LIGHT	WEIGHT:4.2KG
SPEC.:AOK-60WsAA-MS-A5-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	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	2237	2237	2237	2237	2237	2237	2237	2237	2237	2237	2237	2237	2237	2237	2237	2237	2237	2237	2237
5	2247	2297	2346	2387	2417	2437	2443	2436	2417	2384	2343	2295	2243	2192	2145	2106	2075	2057	2051
10	2270	2372	2472	2557	2626	2665	2681	2665	2626	2556	2473	2373	2266	2164	2069	1988	1927	1889	1878
15	2319	2478	2636	2764	2870	2938	2961	2941	2878	2771	2642	2486	2318	2160	2009	1884	1789	1731	1713
20	2407	2627	2842	3026	3173	3262	3297	3271	3192	3049	2861	2646	2410	2187	1972	1793	1655	1572	1545
25	2530	2818	3110	3362	3551	3650	3688	3669	3586	3399	3145	2852	2537	2240	1951	1706	1522	1414	1383
30	2682	3055	3439	3793	4025	4083	4093	4120	4081	3845	3495	3105	2688	2293	1920	1613	1394	1273	1241
35	2823	3306	3805	4248	4372	4310	4263	4353	4424	4265	3824	3331	2800	2302	1861	1508	1274	1168	1143
40	2887	3461	4019	4389	4401	4271	4189	4314	4437	4363	3963	3424	2831	2270	1781	1408	1188	1113	1097
45	3005	3678	4160	4447	4358	4145	4028	4190	4397	4422	4107	3618	2949	2290	1725	1322	1130	1077	1070
50	3278	3922	4324	4518	4310	3980	3807	4023	4345	4486	4271	3848	3208	2394	1679	1228	1056	1014	1017
55	3453	4038	4421	4565	4218	3752	3524	3798	4248	4526	4350	3953	3362	2538	1617	1106	948	919	931
60	3545	4085	4446	4522	4021	3390	3101	3446	4050	4463	4354	3994	3433	2563	1512	948	809	778	790
65	3509	4036	4381	4304	3568	2643	2228	2709	3604	4223	4275	3909	3364	2432	1334	733	603	568	576
70	3252	3761	4144	3835	2414	1056	554	1082	2421	3766	3989	3470	3039	2178	1028	477	417	420	440
75	2234	2312	3202	2506	706	343	353	345	725	2410	2845	1851	2057	1734	599	299	314	345	363
80	1050	622	936	448	283	305	268	309	277	342	699	432	986	958	230	191	223	249	258
85	239	96.2	156	205	206	170	148	167	201	201	137	65.6	257	143	71.7	90.4	124	144	142
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:yanyonggeng

Test Date:2024-6-25

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:27.30V I:2.220A P:60.59W PF:1.000 Freq:49.99Hz Lamp Flux:12380.1x1 lm		
NAME: AOK sAA	TYPE:LED STREET LIGHT	WEIGHT:4.2KG
SPEC.:AOK-60WsAA-MS-A5-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345													
0	2237	2237	2237	2237	2237													
5	2057	2077	2107	2149	2197													
10	1890	1929	1989	2070	2166													
15	1732	1791	1885	2009	2159													
20	1574	1660	1796	1972	2183													
25	1421	1534	1719	1954	2235													
30	1281	1410	1631	1934	2295													
35	1177	1291	1529	1883	2326													
40	1122	1206	1433	1809	2309													
45	1087	1150	1352	1756	2320													
50	1026	1076	1260	1720	2429													
55	934	971	1140	1675	2612													
60	800	839	991	1607	2689													
65	589	645	795	1470	2603													
70	426	441	542	1194	2369													
75	344	321	330	809	1924													
80	251	232	214	308	1108													
85	149	130	101	87.8	229													
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:yanyonggeng
Test Date:2024-6-25

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: