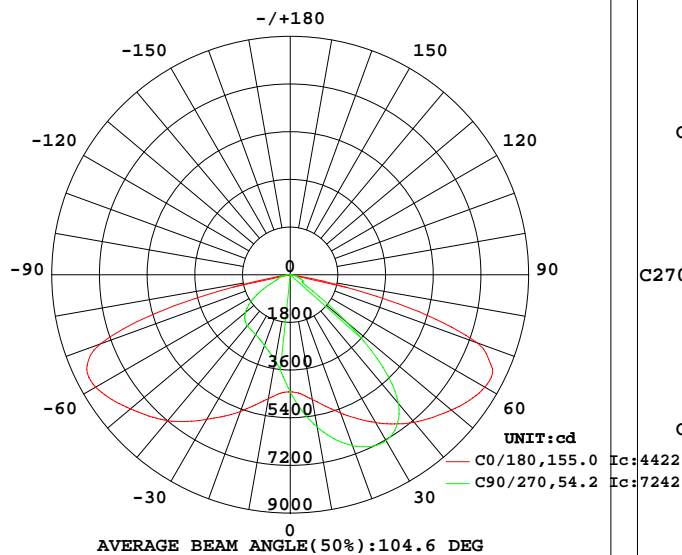
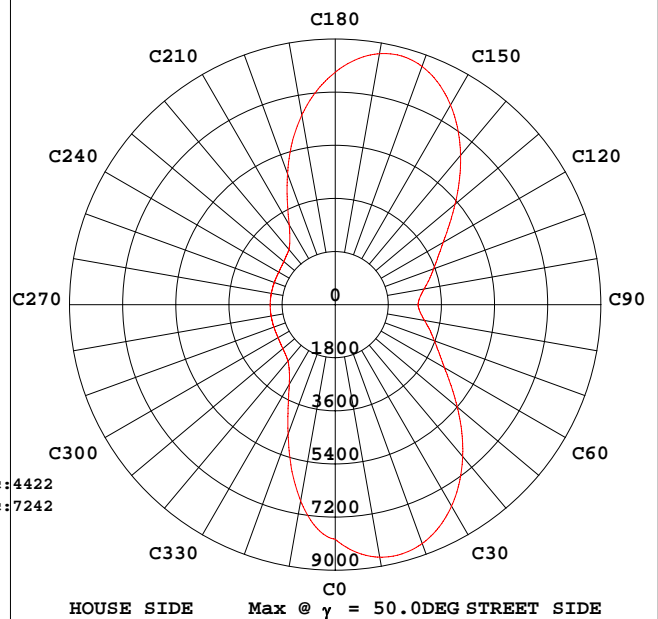


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:55.10V I:1.810A P:99.73W PF:1.000 Freq:49.99Hz Lamp Flux:19460.7x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AoK-100WsAA-DC-A5-00-3570-T203-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:230*70*3mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 195.13 lm/W			
MODEL	5050	I _{max} (cd)	8741	η street_up(%)	0.0
NOMINAL POWER(W)	100	LOR(%)	100.0	η street_down(%)	63.6
RATED VOLTAGE(V)		TOTAL FLUX(lm)	19461	η house_up(%)	0.0
NOMINAL FLUX(lm)	19460.7	MAXIMUM @(C,γ)	15,50.0	η house_down(%)	36.4
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)		η down(%)	100.0	SLI	21.096

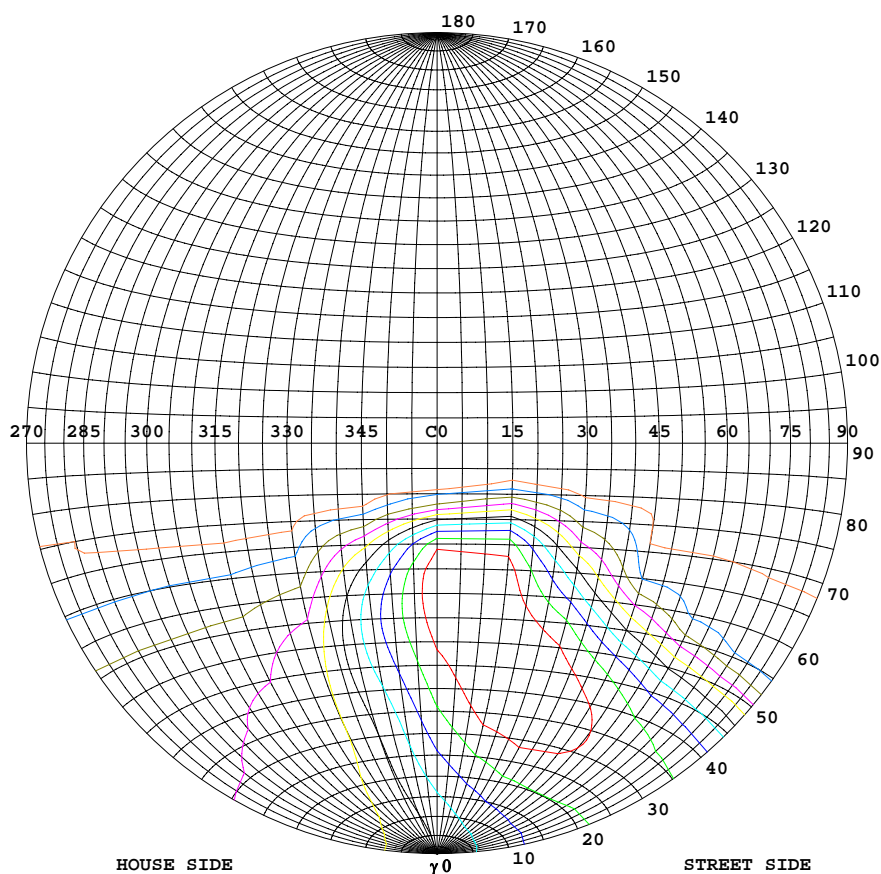
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-9-11

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:55.10V I:1.810A P:99.73W PF:1.000 Freq:49.99Hz Lamp Flux:19460.7x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AoK-100WsAA-DC-A5-00-3570-T203-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:230*70*3mm	Shielding Angle:



Classification:

IES:Type II - Short

CIE:Narrow - Short

IES:Full cut-off

CIE:Semi-cut-off

Max.At80:75.14cd/klm

Max.At90:0cd/klm

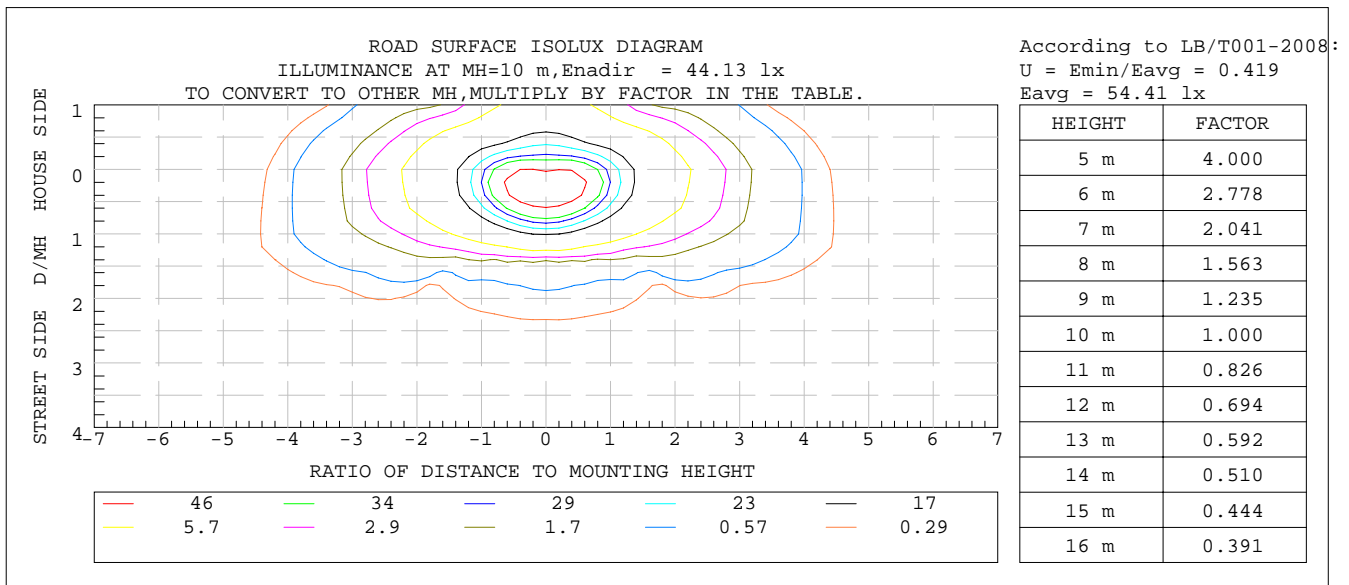
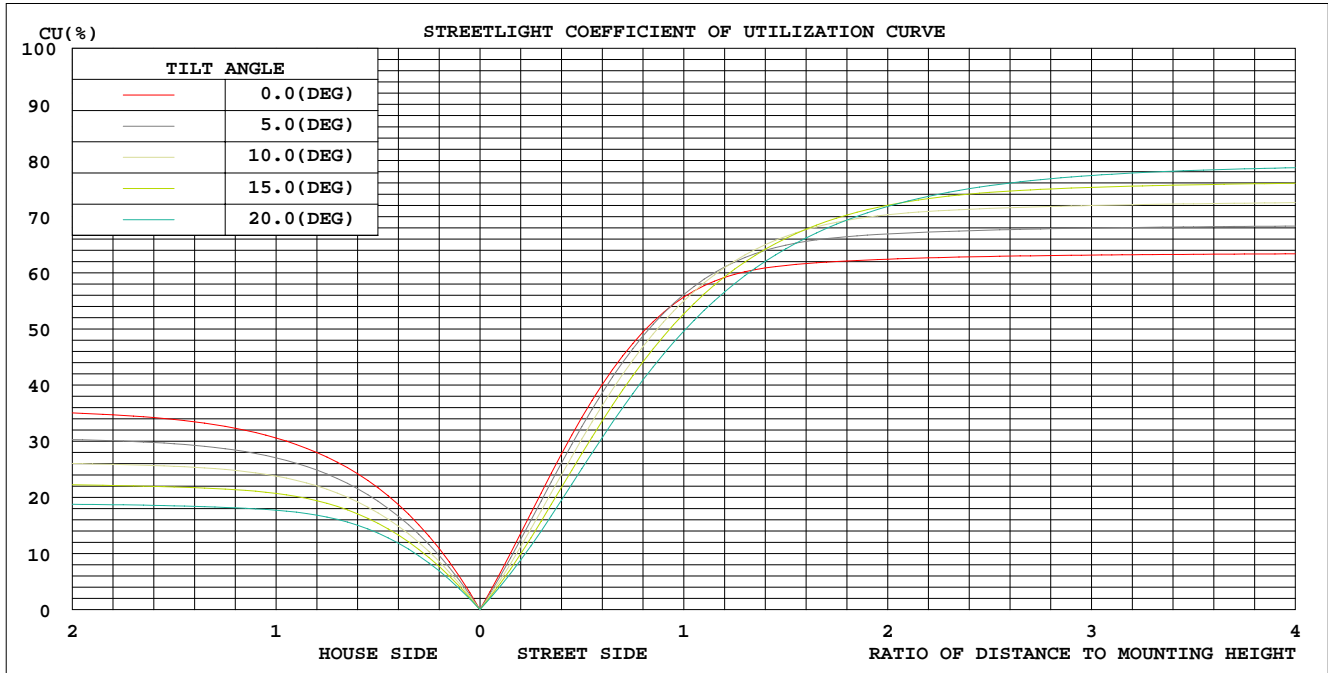
Max.80-90:75.14cd/klm

NRB 5101:Semi limited[21.4%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	8741
90%	7867
80%	6993
70%	6119
60%	5244
50%	4370
40%	3496
30%	2622
20%	1748
10%	874
5%	437

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-9-11

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: 2024-9-11

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:55.10V I:1.810A P:99.73W PF:1.000 Freq:49.99Hz Lamp Flux:19460.7x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AoK-100WsAA-DC-A5-00-3570-T203-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:230*70*3mm	Shielding Angle:

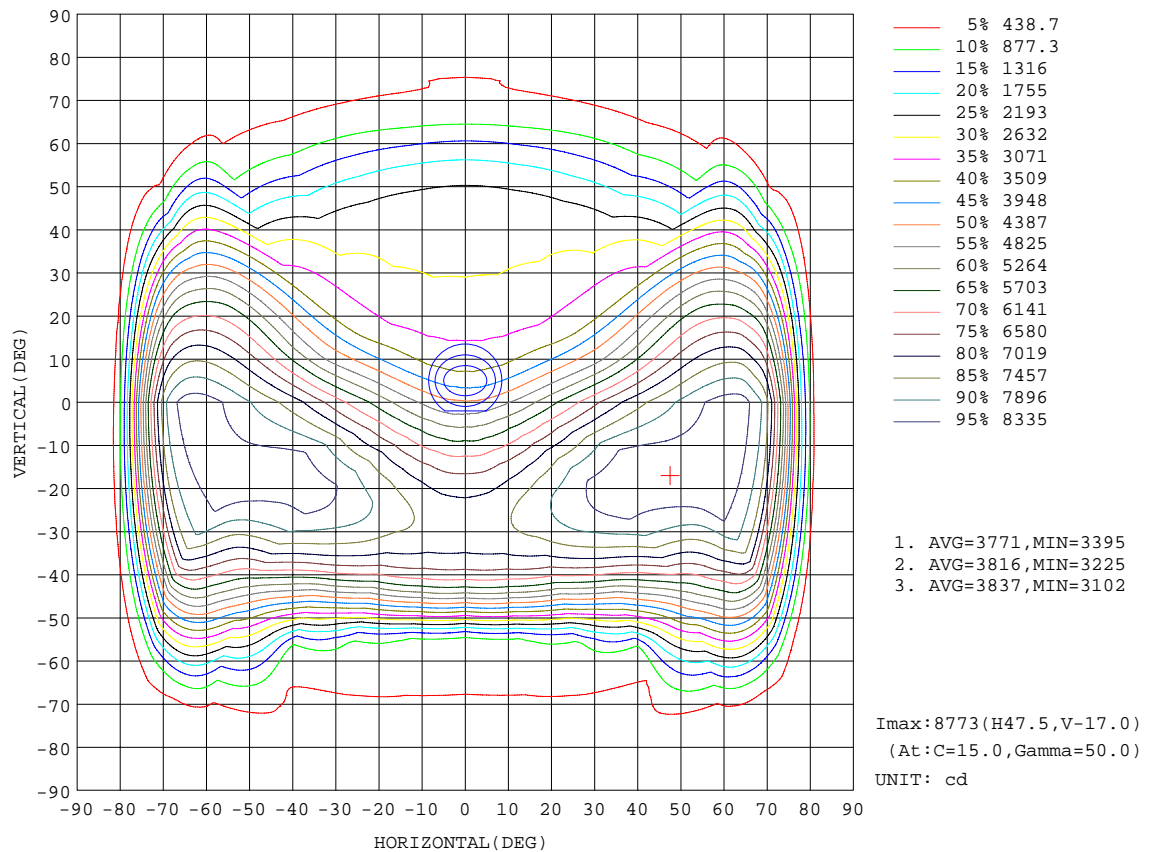
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	4778	5640	5832	5624	4748	3624	3279	3633	0- 10	432.7	432.7	2.22,2.22
20	5556	6949	6859	6924	5491	3205	2846	3215	10- 20	1392	1824	9.37,9.37
30	6444	7945	7231	7887	6301	2955	2611	2979	20- 30	2479	4303	22.1,22.1
40	7271	7814	6356	7741	7192	2736	2518	2769	30- 40	3500	7803	40.1,40.1
50	7948	6059	2807	5947	7875	2350	2207	2388	40- 50	4016	11819	60.7,60.7
60	8485	2565	521.1	2391	8482	1488	1378	1507	50- 60	3530	15349	78.9,78.9
70	7514	458.5	375.0	468.1	7617	536.0	521.2	520.9	60- 70	2672	18021	92.6,92.6
80	800.9	280.0	202.4	279.4	836.2	235.7	309.3	236.2	70- 80	1292	19313	99.2,99.2
90	0	0	0	0	0	0	0	0	80- 90	147.6	19461	100,100
100	0	0	0	0	0	0	0	0	90-100	0	19461	100,100
110	0	0	0	0	0	0	0	0	100-110	0	19461	100,100
120	0	0	0	0	0	0	0	0	110-120	0	19461	100,100
130	0	0	0	0	0	0	0	0	120-130	0	19461	100,100
140	0	0	0	0	0	0	0	0	130-140	0	19461	100,100
150	0	0	0	0	0	0	0	0	140-150	0	19461	100,100
160	0	0	0	0	0	0	0	0	150-160	0	19461	100,100
170	0	0	0	0	0	0	0	0	160-170	0	19461	100,100
180	0	0	0	0	0	0	0	0	170-180	0	19461	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:2024-9-11

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

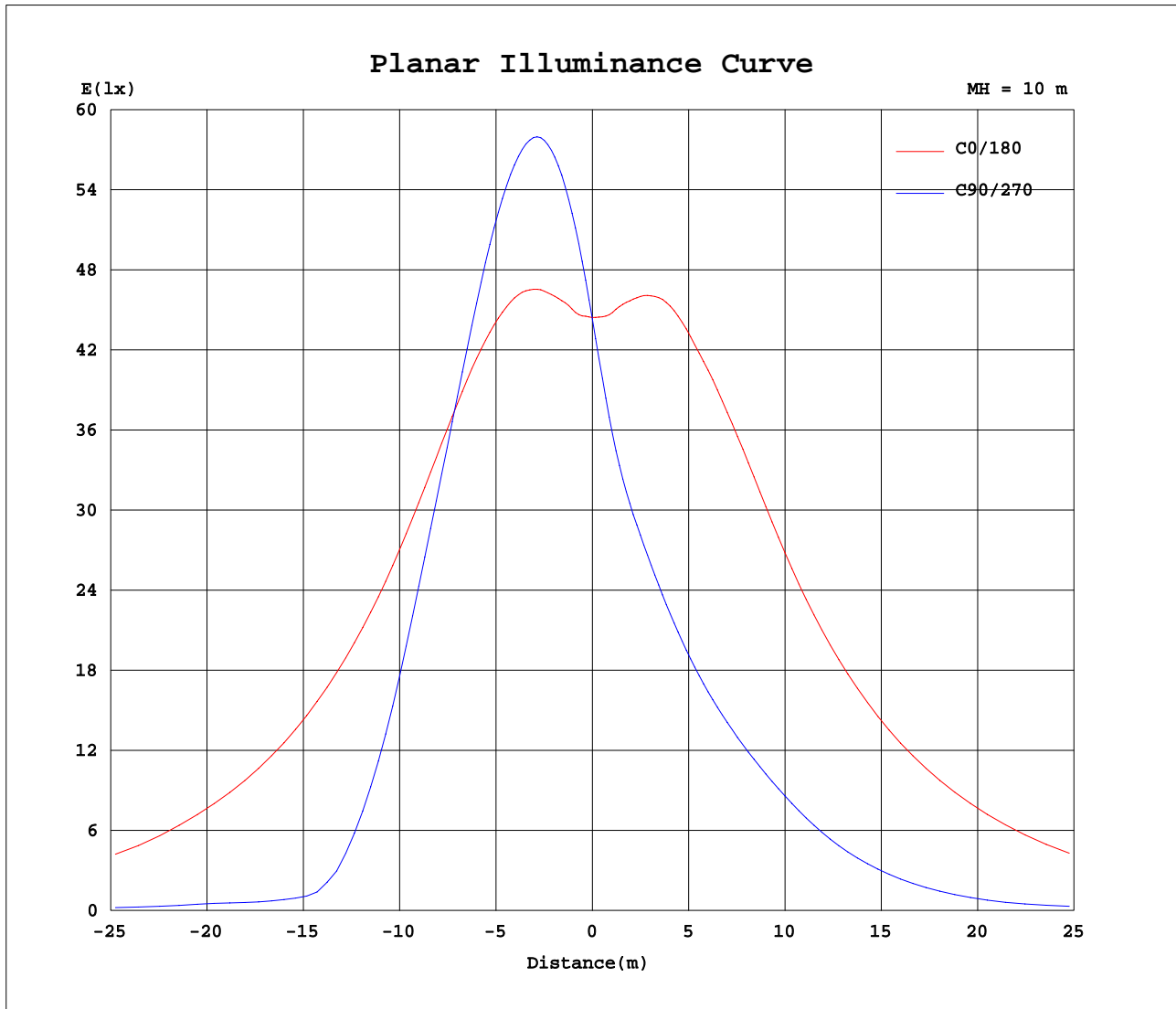
Test:U:55.10V I:1.810A P:99.73W PF:1.000 Freq:49.99Hz Lamp Flux:19460.7x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AoK-100WsAA-DC-A5-00-3570-T203-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:230*70*3mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-9-11

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



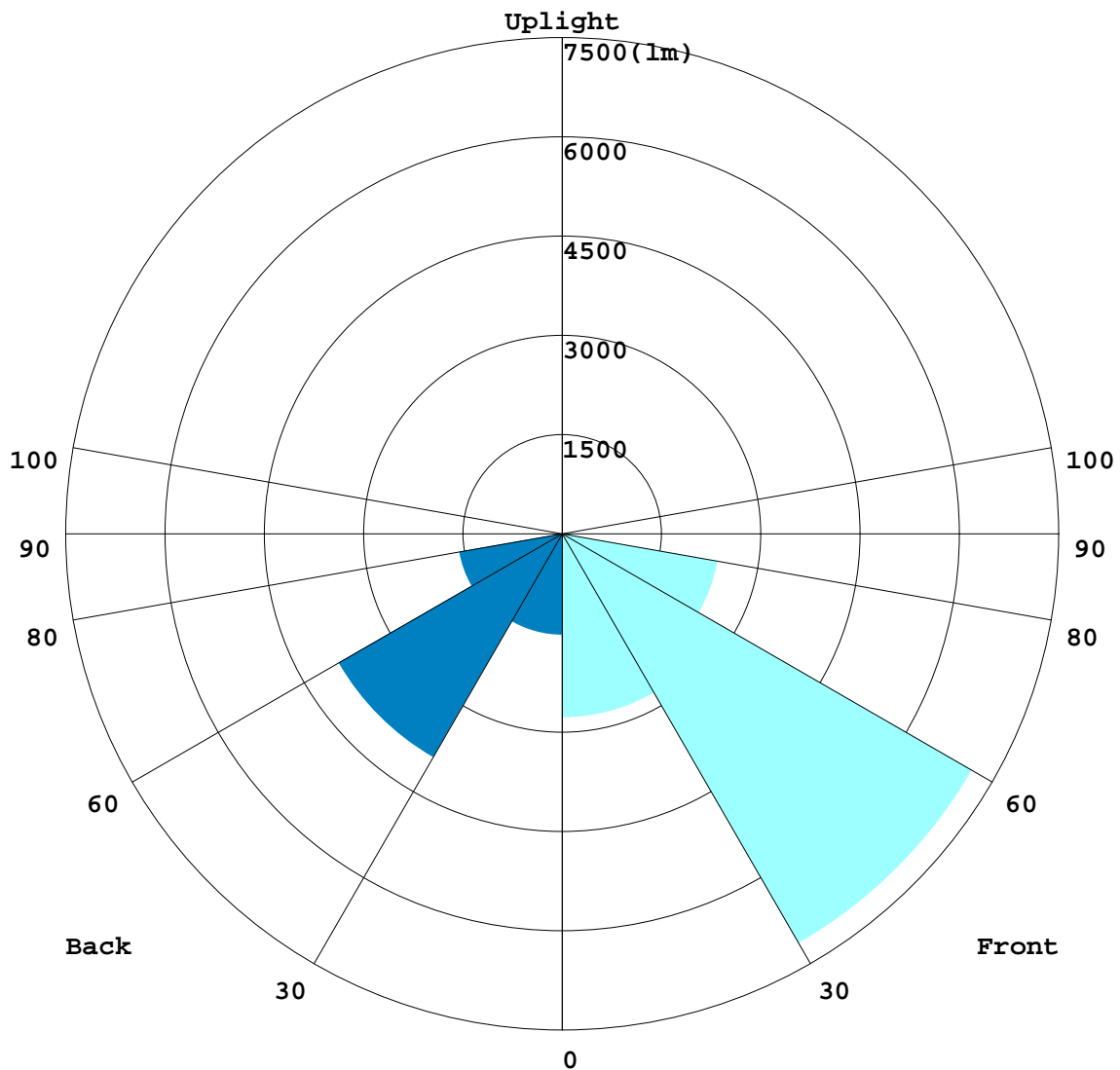
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yanyonggeng
Test Date: 2024-9-11

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:55.10V I:1.810A P:99.73W PF:1.000 Freq:49.99Hz Lamp Flux:19460.7x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AoK-100WsAA-DC-A5-00-3570-T203-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:230*70*3mm	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:2024-9-11

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:55.10V I:1.810A P:99.73W PF:1.000 Freq:49.99Hz Lamp Flux:19460.7x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AoK-100WsAA-DC-A5-00-3570-T203-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:230*70*3mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2775.4	14.3
FM - Front-Medium(30-60)	7146	36.7
FH - Front-High(60-80)	2385.2	12.3
FVH - Front-Very High(80-90)	79.876	0.4
Total Forward Light	12386	63.6

BL - Back-Low(0-30)	1527.6	7.8
BM - Back-Medium(30-60)	3899.6	20.0
BH - Back-High(60-80)	1579.3	8.1
BVH - Back-Very High(80-90)	67.73	0.3
Total Back Light	7074.3	36.4

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	7074.3	0	7074.3
Street Side	12386	0	12386

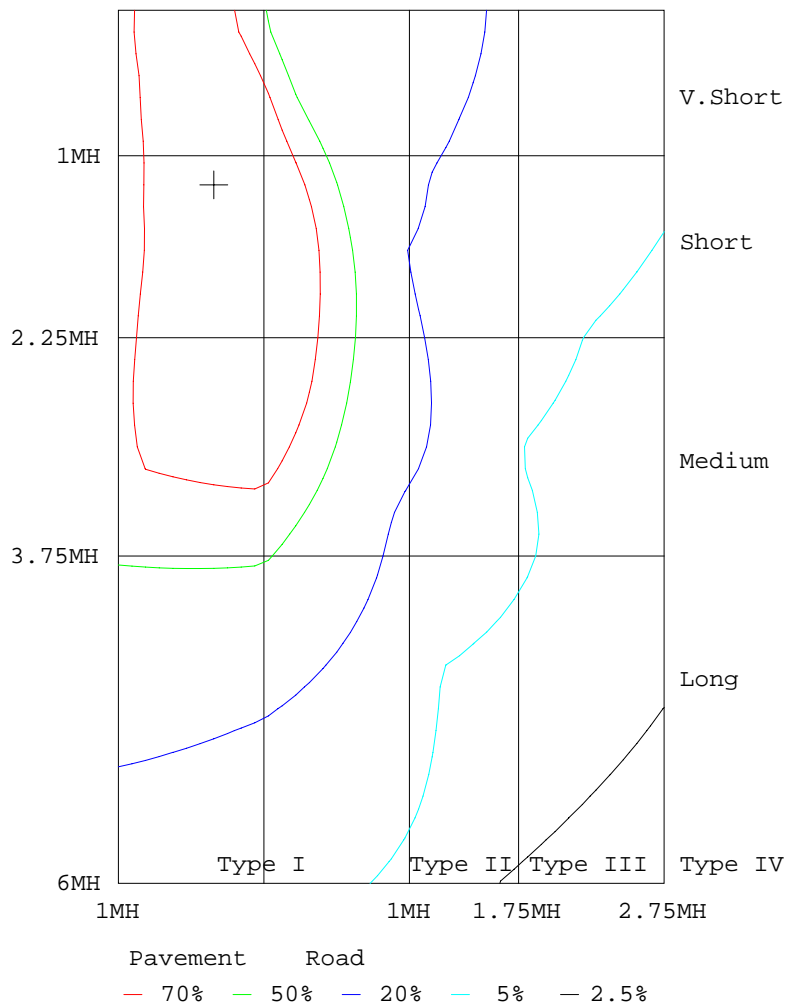
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yanyonggeng
 Test Date:2024-9-11

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:55.10V I:1.810A P:99.73W PF:1.000 Freq:49.99Hz Lamp Flux:19460.7x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AoK-100WsAA-DC-A5-00-3570-T203-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:230*70*3mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-9-11

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:55.10V I:1.810A P:99.73W PF:1.000 Freq:49.99Hz Lamp Flux:19460.7x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AoK-100WsAA-DC-A5-00-3570-T203-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:230*70*3mm	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	4422	4422	4422	4422	4422	4422	4422	4422	4422	4422	4422	4422	4422	4422	4422	4422	4422	4422	4422
5	4511	4692	4860	4985	5075	5143	5164	5142	5075	4981	4851	4681	4494	4307	4119	3961	3838	3758	3733
10	4778	5139	5442	5640	5749	5811	5832	5806	5737	5624	5425	5123	4748	4357	3950	3624	3414	3317	3279
15	5136	5675	6075	6300	6393	6418	6413	6411	6378	6280	6051	5650	5088	4468	3824	3385	3155	3068	3031
20	5556	6282	6760	6949	6945	6911	6859	6901	6931	6924	6719	6240	5491	4599	3709	3205	2977	2885	2846
25	5992	6917	7425	7525	7381	7243	7153	7225	7353	7493	7374	6835	5891	4696	3576	3067	2829	2740	2705
30	6444	7559	8010	7945	7578	7344	7231	7329	7554	7887	7938	7480	6301	4761	3495	2955	2716	2636	2611
35	6875	8121	8418	8064	7428	7122	6995	7107	7382	7999	8366	8074	6756	4877	3457	2851	2625	2576	2560
40	7271	8497	8554	7814	6923	6543	6356	6524	6874	7741	8512	8470	7192	5118	3418	2736	2553	2522	2518
45	7613	8692	8351	7200	5935	5321	4957	5295	5877	7118	8307	8677	7543	5414	3332	2587	2433	2419	2423
50	7948	8741	7882	6059	4275	3320	2807	3298	4223	5947	7812	8724	7875	5673	3122	2350	2210	2200	2207
55	8264	8652	7096	4392	2213	1079	740	1064	2148	4255	6968	8626	8220	5756	2719	1983	1859	1847	1856
60	8485	8465	5897	2565	675	552	521	552	662	2391	5699	8435	8482	5529	2099	1488	1400	1366	1378
65	8425	8219	4584	850	522	557	517	560	533	803	4358	8126	8474	4809	1345	950	895	823	821
70	7514	7360	2940	458	454	402	375	406	456	468	2759	7253	7617	3449	686	536	503	502	521
75	4208	4790	1418	433	294	268	285	272	295	453	1219	4817	4525	1283	389	353	391	433	448
80	801	1369	384	280	191	206	202	214	200	279	385	1462	836	249	210	236	276	298	309
85	101	185	141	84.8	76.1	73.6	67.2	72.8	80.8	87.3	153	190	110	78.8	79.4	105	137	152	153
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:2024-9-11

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:55.10V I:1.810A P:99.73W PF:1.000 Freq:49.99Hz Lamp Flux:19460.7x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AoK-100WsAA-DC-A5-00-3570-T203-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:230*70*3mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345													
0	4422	4422	4422	4422	4422													
5	3756	3838	3964	4126	4314													
10	3318	3420	3633	3957	4369													
15	3071	3164	3394	3833	4491													
20	2887	2983	3215	3720	4621													
25	2745	2840	3080	3587	4727													
30	2649	2739	2979	3518	4815													
35	2590	2654	2881	3493	4967													
40	2537	2583	2769	3450	5219													
45	2433	2463	2622	3345	5512													
50	2210	2238	2388	3119	5746													
55	1853	1876	2013	2707	5802													
60	1371	1411	1507	2092	5509													
65	829	895	954	1344	4731													
70	502	497	521	666	3309													
75	432	391	347	365	1232													
80	309	297	236	201	223													
85	154	140	107	79.9	69.4													
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:yanyonggeng
Test Date:2024-9-11

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: