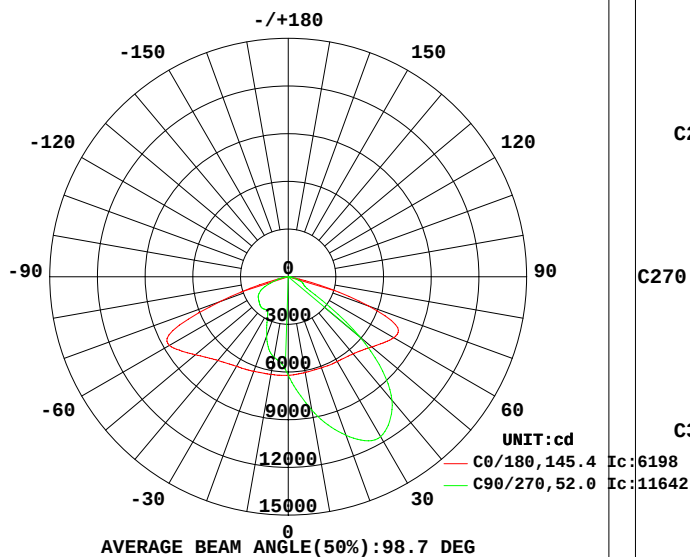
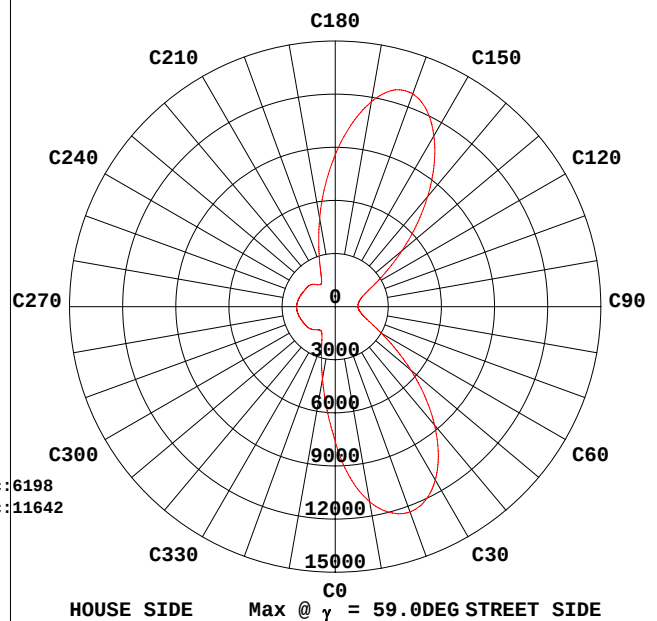


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.7534A P:164.6W PF:0.9962 Freq:60.01Hz Lamp Flux:24190.8x1 lm		
NAME: AOK iL02	TYPE:LED STREET LIGHT	WEIGHT:5.2KG
SPEC.:AOK-150WiLA-NV0-L3-00-3070-T241-P	DIM.: 680*280*140mm	SERIAL No.:
MFR.: AOK	SUR.:290*260mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 146.96 lm/W			
MODEL	5050	I _{max} (cd)	12662	η street_up(%)	0.0
NOMINAL POWER(W)	150	LOR(%)	100.0	η street_down(%)	70.3
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	24191	η house_up(%)	0.0
NOMINAL FLUX(lm)	24190.8	MAXIMUM @(C,γ)	165,59.0	η house_down(%)	29.7
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	19.679

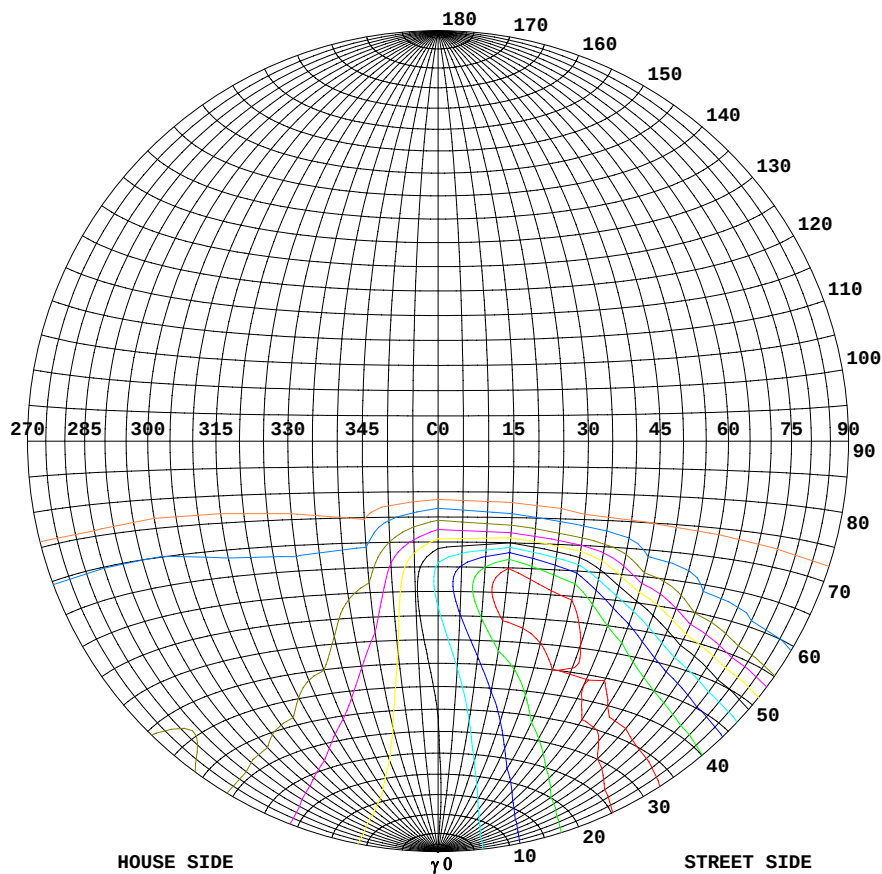
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yanyonggeng
 Test Date:2023-03-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.3V I:0.7534A P:164.6W PF:0.9962 Freq:60.01Hz Lamp Flux:24190.8x1 lm		
NAME: AOK iL02	TYPE:LED STREET LIGHT	WEIGHT:5.2KG
SPEC.:AOK-150WiLA-NV0-L3-00-3070-T241-P	DIM.: 680*280*140mm	SERIAL No.:
MFR.: AOK	SUR.:290*260mm	Shielding Angle:



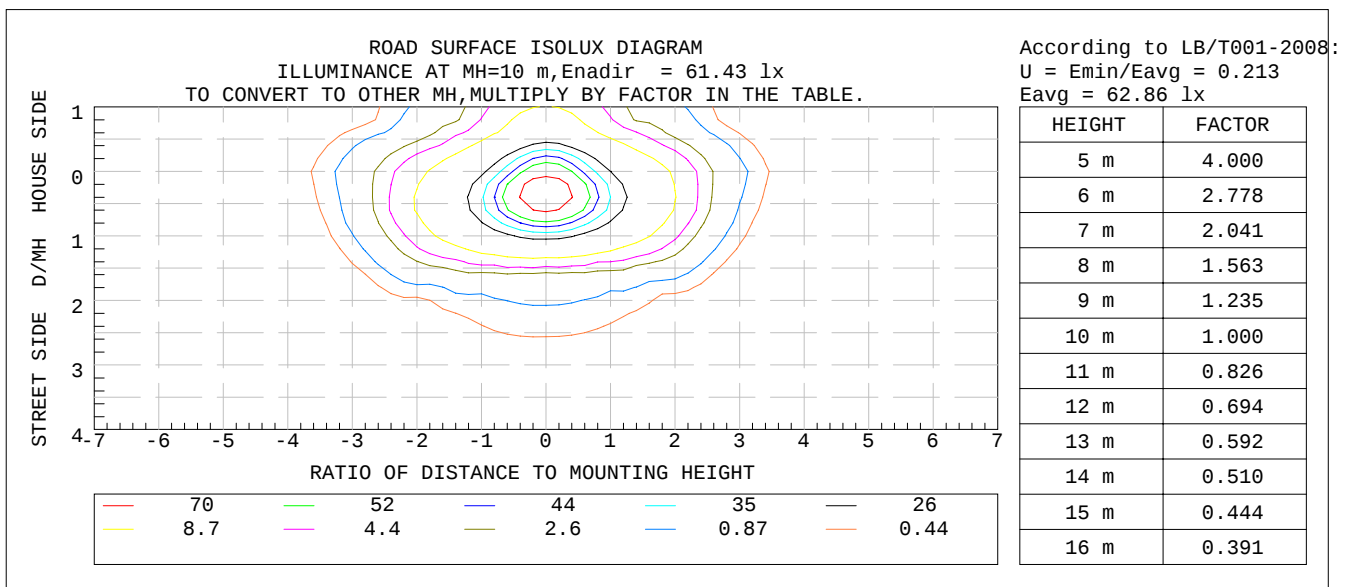
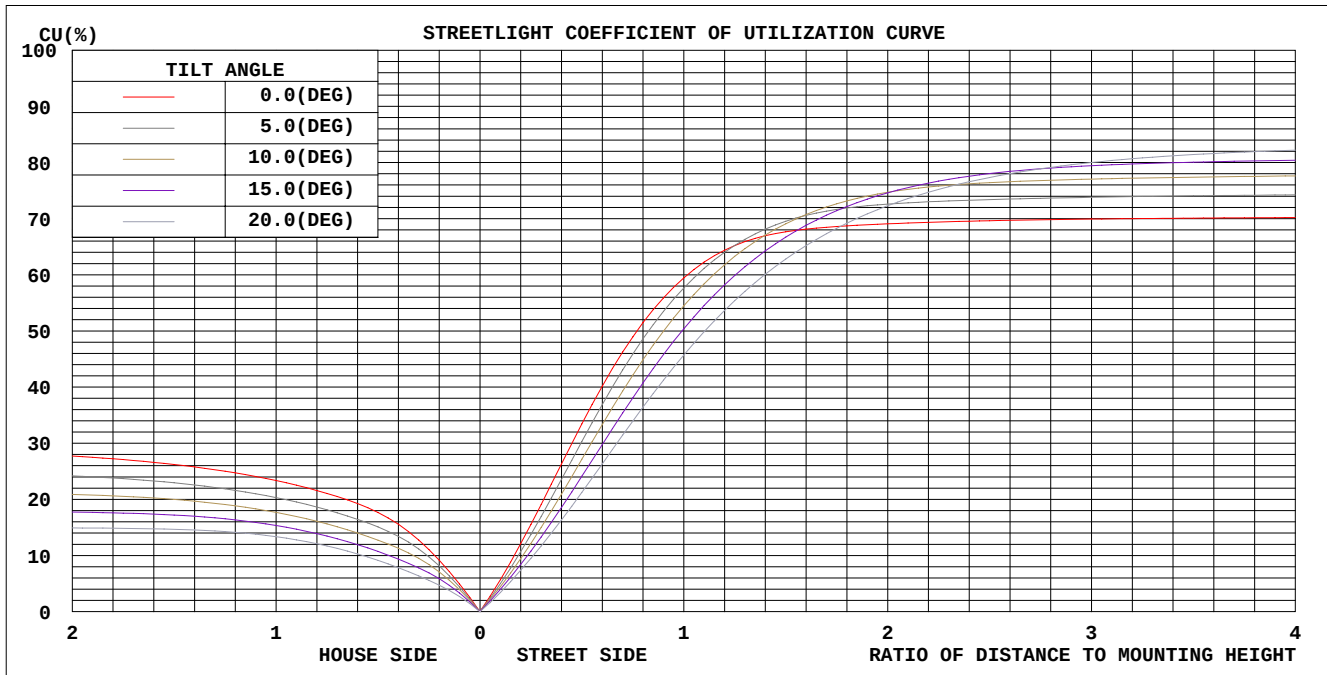
Classification:

IES:Type II - Short
CIE:Narrow - Short
IES:Full cut-off
CIE:Full cut-off
Max.At80:15.57cd/klm
Max.At90:0cd/klm
Max.80-90:15.57cd/klm
NRB 5101:Limited[6.3%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	12662
90%	11396
80%	10130
70%	8863
60%	7597
50%	6331
40%	5065
30%	3799
20%	2532
10%	1266
5%	633

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2023-03-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_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: 2023-03-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.3V I:0.7534A P:164.6W PF:0.9962 Freq:60.01Hz Lamp Flux:24190.8x1 lm		
NAME: AOK iL02	TYPE:LED STREET LIGHT	WEIGHT:5.2KG
SPEC.:AOK-150WiLA-NV0-L3-00-3070-T241-P	DIM.: 680*280*140mm	SERIAL No.:
MFR.: AOK	SUR.:290*260mm	Shielding Angle:

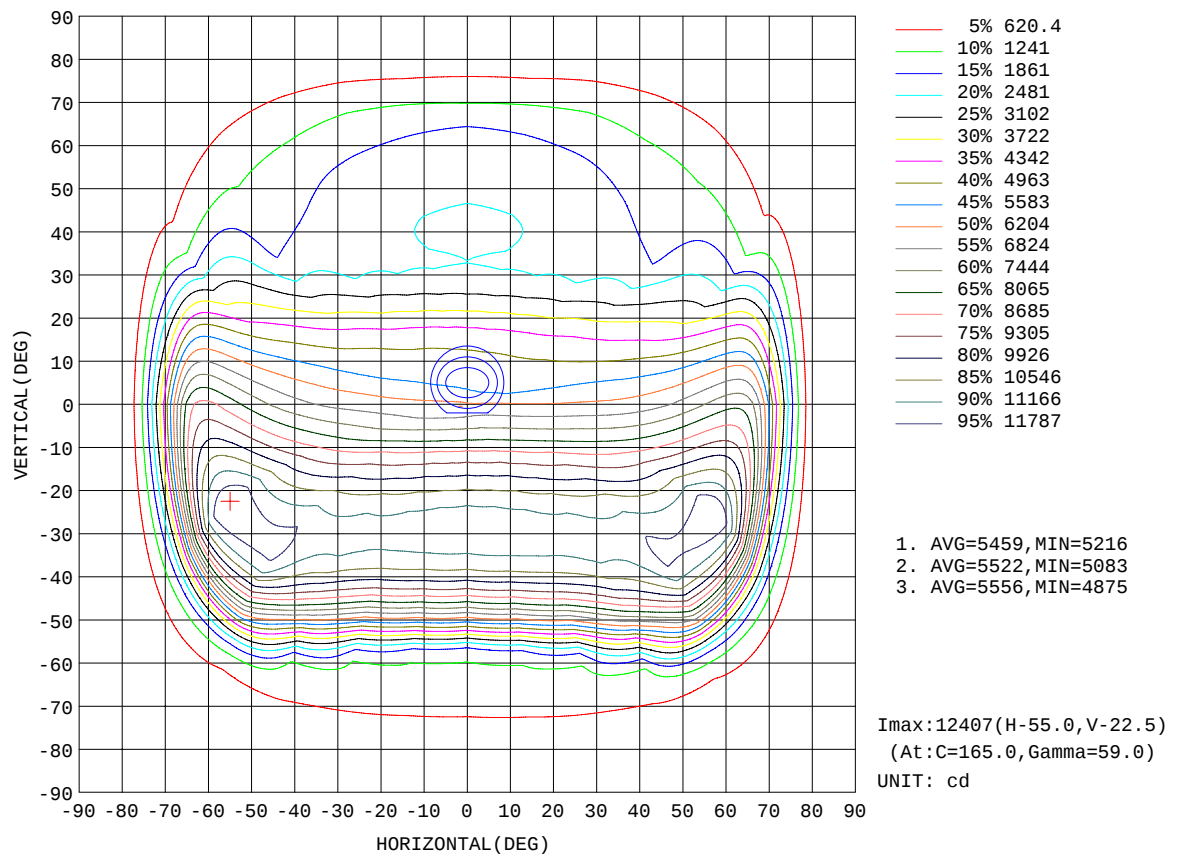
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	611.7	774.4	850.9	785.1	624.0	532.0	514.0	530.2	0- 10	607.7	607.7	2.51,2.51
20	610.0	935.6	1061	955.5	632.9	472.5	398.1	467.4	10- 20	1921	2529	10.5,10.5
30	616.4	1068	1162	1095	651.1	350.2	258.8	341.3	20- 30	3230	5759	23.8,23.8
40	634.2	1145	1016	1164	688.4	230.3	257.5	229.5	30- 40	4336	10096	41.7,41.7
50	686.9	1053	586.3	1049	763.1	200.7	240.4	207.8	40- 50	5016	15111	62.5,62.5
60	767.5	652.0	122.8	576.3	864.7	177.3	213.7	179.6	50- 60	4722	19833	82,82
70	537.7	99.43	79.42	89.41	452.9	113.3	120.7	118.1	60- 70	3306	23139	95.7,95.7
80	31.51	32.87	22.76	27.66	19.75	32.93	33.61	37.67	70- 80	948.6	24087	99.6,99.6
90	0	0	0	0	0	0	0	0	80- 90	103.4	24191	100,100
100	0	0	0	0	0	0	0	0	90-100	0	24191	100,100
110	0	0	0	0	0	0	0	0	100-110	0	24191	100,100
120	0	0	0	0	0	0	0	0	110-120	0	24191	100,100
130	0	0	0	0	0	0	0	0	120-130	0	24191	100,100
140	0	0	0	0	0	0	0	0	130-140	0	24191	100,100
150	0	0	0	0	0	0	0	0	140-150	0	24191	100,100
160	0	0	0	0	0	0	0	0	150-160	0	24191	100,100
170	0	0	0	0	0	0	0	0	160-170	0	24191	100,100
180	0	0	0	0	0	0	0	0	170-180	0	24191	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yanyonggeng
 Test Date:2023-03-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

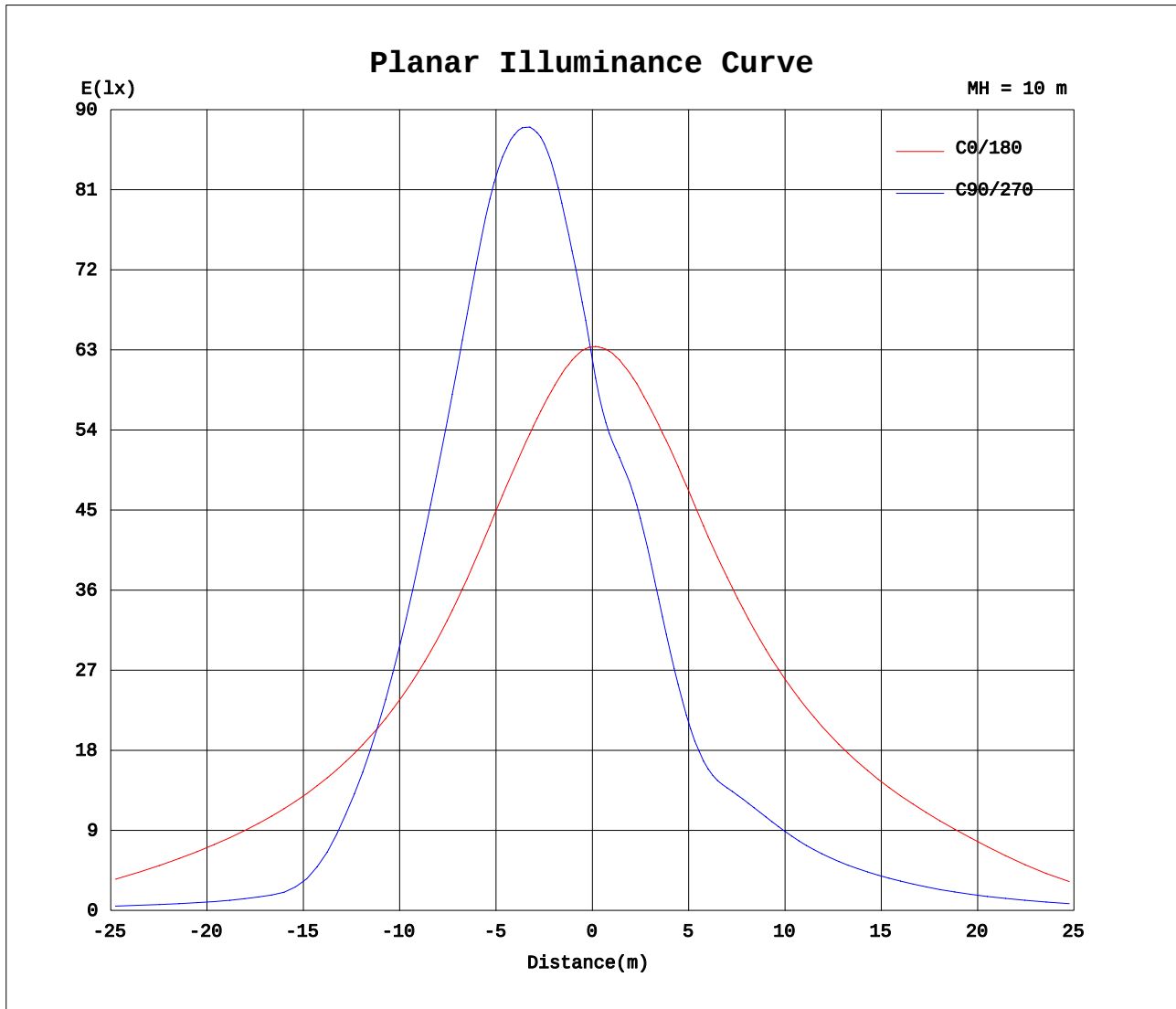
Test:U:219.3V I:0.7534A P:164.6W PF:0.9962 Freq:60.01Hz Lamp Flux:24190.8x1 lm		
NAME: AOK iL02	TYPE:LED STREET LIGHT	WEIGHT:5.2KG
SPEC.:AOK-150WiLA-NV0-L3-00-3070-T241-P	DIM.: 680*280*140mm	SERIAL No.:
MFR.: AOK	SUR.:290*260mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2023-03-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

Planar Illuminance Curve



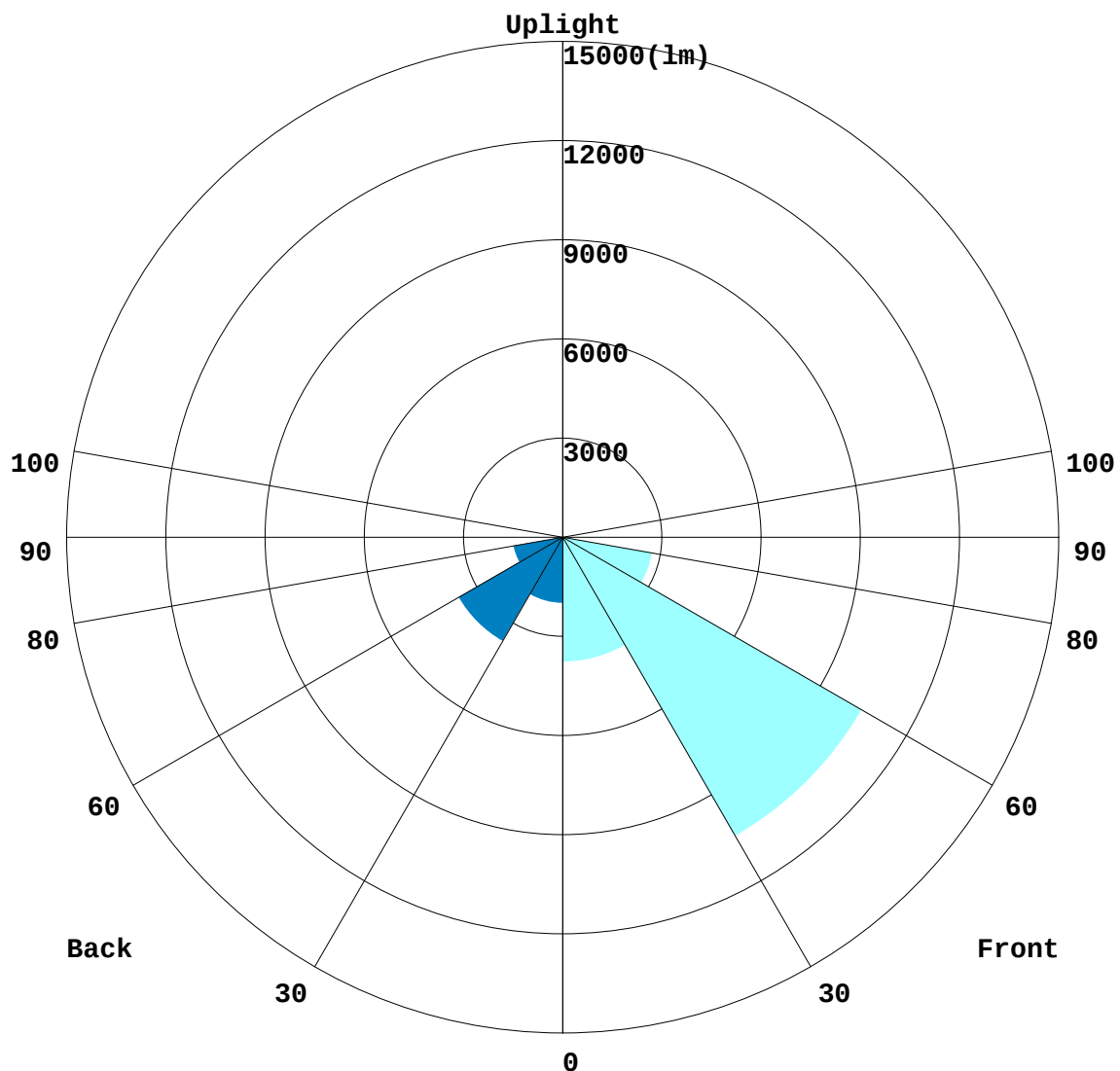
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yanyonggeng
Test Date: 2023-03-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

LCS REPORT

Test:U:219.3V I:0.7534A P:164.6W PF:0.9962 Freq:60.01Hz Lamp Flux:24190.8x1 lm		
NAME: AOK iL02	TYPE:LED STREET LIGHT	WEIGHT:5.2KG
SPEC.:AOK-150WiLA-NV0-L3-00-3070-T241-P	DIM.: 680*280*140mm	SERIAL No.:
MFR.: AOK	SUR.:290*260mm	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:2023-03-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

BUG REPORT

Test:U:219.3V I:0.7534A P:164.6W PF:0.9962 Freq:60.01Hz Lamp Flux:24190.8x1 lm		
NAME: AOK iL02	TYPE:LED STREET LIGHT	WEIGHT:5.2KG
SPEC.:AOK-150WiLA-NV0-L3-00-3070-T241-P	DIM.: 680*280*140mm	SERIAL No.:
MFR.: AOK	SUR.:290*260mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	3768.2	15.6
FM - Front-Medium(30-60)	10441	43.2
FH - Front-High(60-80)	2749	11.4
FVH - Front-Very High(80-90)	46.228	0.2
Total Forward Light	17005	70.3

BL - Back-Low(0-30)	1990.9	8.2
BM - Back-Medium(30-60)	3632.3	15.0
BH - Back-High(60-80)	1505.6	6.2
BVH - Back-Very High(80-90)	57.172	0.2
Total Back Light	7186	29.7

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	7186	0	7186
Street Side	17005	0	17005

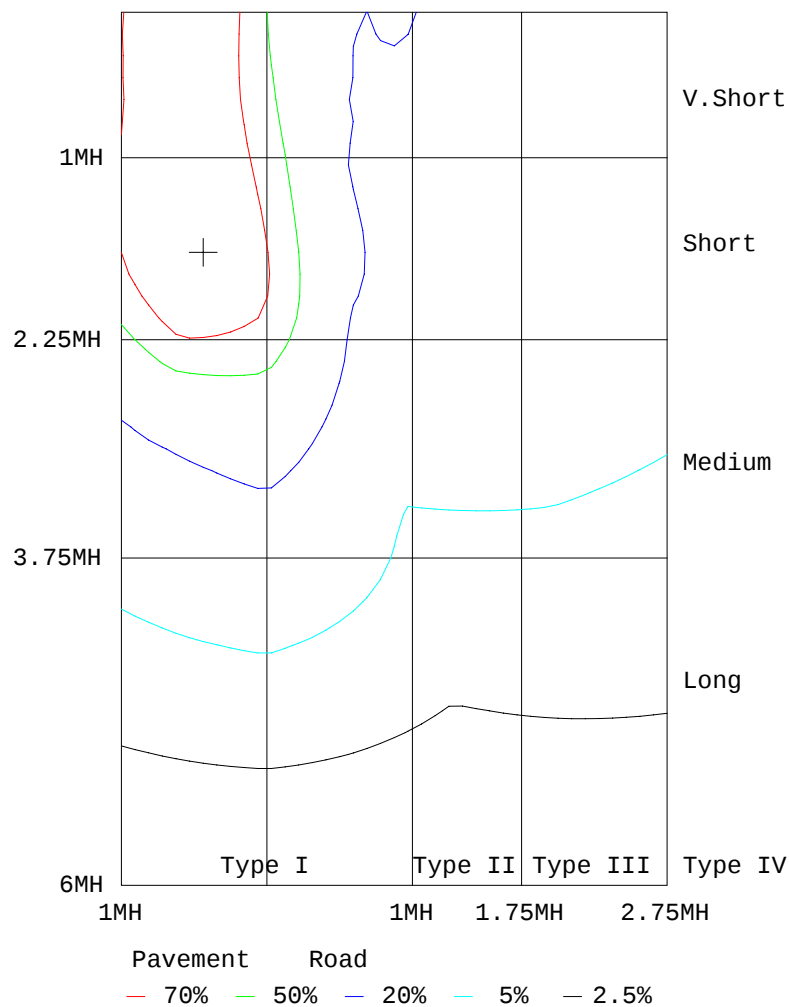
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2023-03-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.3V I:0.7534A P:164.6W PF:0.9962 Freq:60.01Hz Lamp Flux:24190.8x1 lm		
NAME: AOK iL02	TYPE:LED STREET LIGHT	WEIGHT:5.2KG
SPEC.:AOK-150WiLA-NV0-L3-00-3070-T241-P	DIM.: 680*280*140mm	SERIAL No.:
MFR.: AOK	SUR.:290*260mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2023-03-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.3V I:0.7534A P:164.6W PF:0.9962 Freq:60.01Hz Lamp Flux:24190.8x1 lm		
NAME: AOK iL02	TYPE:LED STREET LIGHT	WEIGHT:5.2KG
SPEC.:AOK-150WiLA-NV0-L3-00-3070-T241-P	DIM.: 680*280*140mm	SERIAL No.:
MFR.: AOK	SUR.:290*260mm	Shielding Angle:

Table--1

UNIT: ×10cd

C(°) γ (°)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	620	620	620	620	620	620	620	620	620	620	620	620	620	620	620	620	620	620	620
5	616	645	672	697	715	727	732	729	718	702	678	651	622	595	573	559	549	546	543
10	612	669	724	774	814	840	851	845	821	785	736	682	624	575	546	532	521	518	514
15	610	695	779	858	916	951	965	959	926	873	797	715	627	562	529	510	492	478	471
20	610	724	838	936	1004	1047	1061	1054	1015	955	863	751	633	554	513	472	436	409	398
25	613	756	899	1004	1076	1125	1138	1131	1089	1029	930	791	642	547	487	417	360	329	318
30	616	790	957	1068	1130	1165	1162	1168	1141	1095	993	835	651	538	449	350	289	262	259
35	622	829	1014	1120	1143	1131	1111	1133	1149	1146	1057	889	666	528	397	283	240	245	251
40	634	880	1070	1145	1098	1048	1016	1048	1100	1164	1122	954	688	513	339	230	234	252	258
45	655	948	1123	1125	1004	896	840	892	993	1135	1178	1031	720	490	275	209	234	247	252
50	687	1034	1163	1053	830	662	586	652	803	1049	1216	1130	763	454	215	201	223	234	240
55	728	1136	1175	913	564	350	261	329	525	874	1208	1233	817	409	172	189	206	221	231
60	767	1212	1103	652	245	136	123	132	208	576	1070	1258	865	347	152	177	192	204	214
65	760	1114	845	295	111	105	104	104	107	226	737	1043	801	246	134	150	163	174	181
70	538	623	377	99.4	87.5	86.7	79.4	83.5	85.6	89.4	259	440	453	116	107	113	125	125	121
75	207	154	80.4	62.2	54.5	51.3	48.4	49.8	51.3	60.9	60.2	101	138	53.7	66.8	73.3	77.8	70.6	69.9
80	31.5	32.3	29.8	32.9	25.6	25.6	22.8	24.2	24.0	27.7	25.6	24.1	19.7	22.7	29.3	32.9	34.2	32.4	33.6
85	6.00	7.01	7.60	7.24	6.34	5.95	5.09	5.37	5.07	5.25	5.16	4.34	3.63	4.01	5.58	7.11	8.63	8.01	8.73
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:2023-03-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.3V I:0.7534A P:164.6W PF:0.9962 Freq:60.01Hz Lamp Flux:24190.8x1 lm		
NAME: AOK iL02	TYPE:LED STREET LIGHT	WEIGHT:5.2KG
SPEC.:AOK-150WiLA-NV0-L3-00-3070-T241-P	DIM.: 680*280*140mm	SERIAL No.:
MFR.: AOK	SUR.:290*260mm	Shielding Angle:

Table--2

UNIT: ×10cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	620	620	620	620	620														
5	546	548	557	570	590														
10	517	520	530	541	567														
15	477	489	507	524	550														
20	406	431	467	504	540														
25	327	356	409	474	532														
30	262	284	341	433	521														
35	248	242	276	378	503														
40	255	240	229	318	479														
45	250	239	216	256	447														
50	237	228	208	204	405														
55	224	210	195	173	354														
60	207	195	180	156	289														
65	176	166	154	140	207														
70	126	128	118	115	114														
75	71.3	81.6	78.6	73.5	61.7														
80	33.6	37.0	37.7	36.1	31.4														
85	8.84	10.6	10.2	9.19	7.81														
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:2023-03-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks: