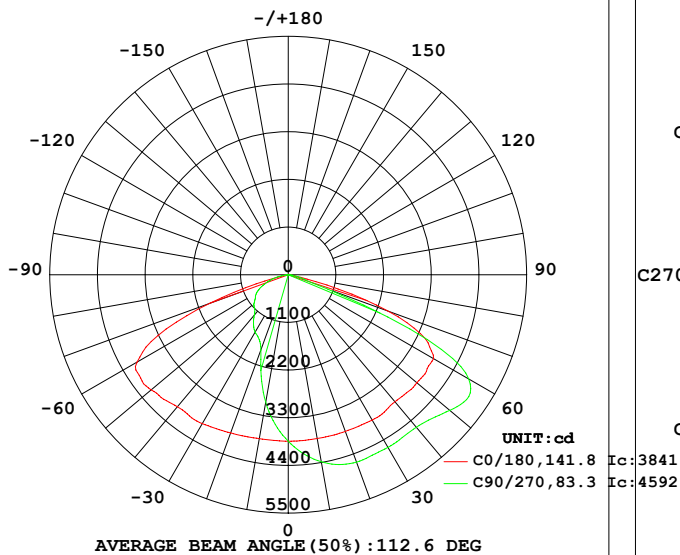
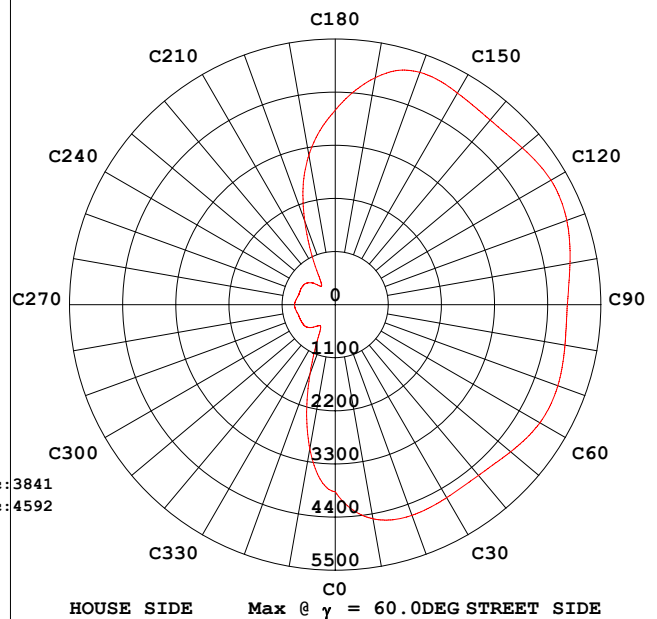


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.5549A P:120.0W PF:0.9863 Freq:49.99Hz Lamp Flux:13918.3x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-120WIP-NV-L3-5070-T401-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 \times \phi 0.297M$	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 115.98 lm/W			
MODEL	3030	I _{max} (cd)	5158	η street_up (%)	0.1
NOMINAL POWER (W)	120	LOR (%)	100.0	η street_down (%)	72.4
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	13918	η house_up (%)	0.2
NOMINAL FLUX (lm)	13918.3	MAXIMUM @ (C, γ)	120, 60.0	η house_down (%)	27.3
LAMPS INSIDE	1	η up (%)	0.3	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	99.7	SLI	18.281

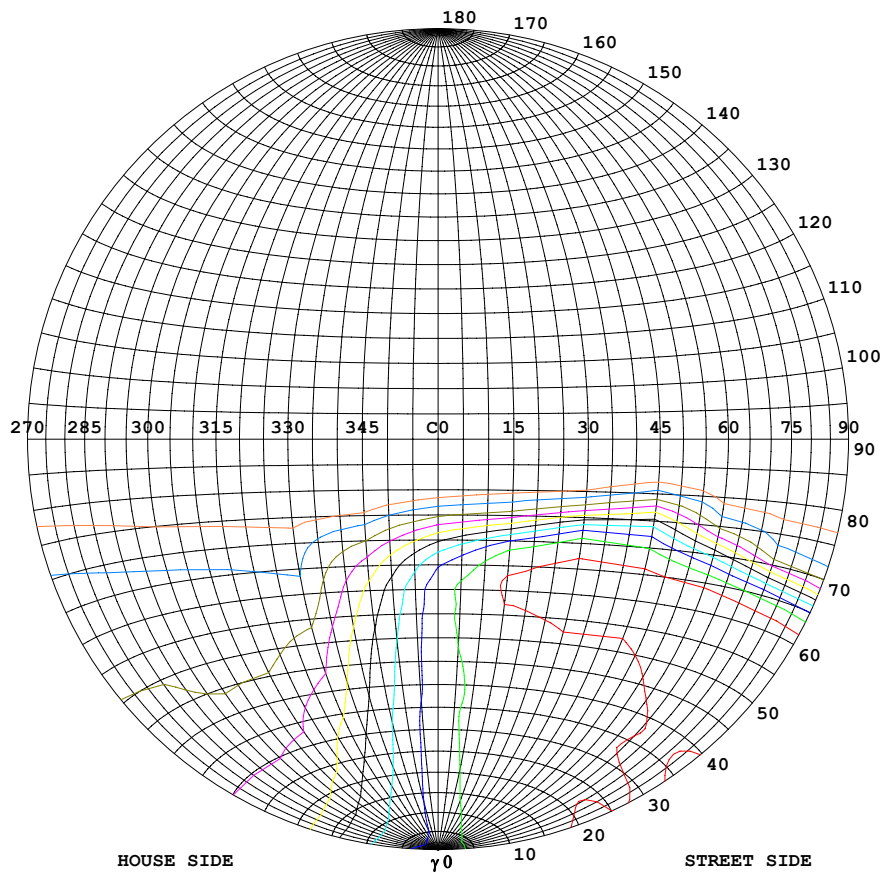
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.801m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.3V I:0.5549A P:120.0W PF:0.9863 Freq:49.99Hz Lamp Flux:13918.3x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-120WIP-NV-L3-5070-T401-P	DIM.: $\phi 0.46 \times 0.08\text{M}$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 - \phi 0.297\text{M}$	Shielding Angle:



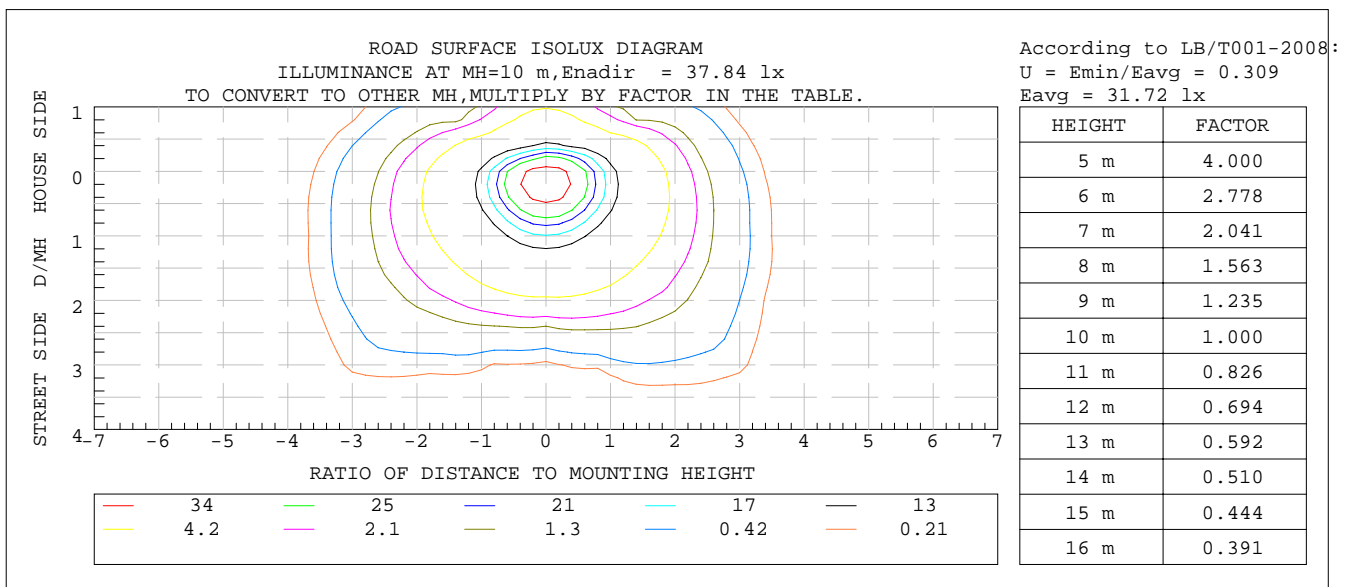
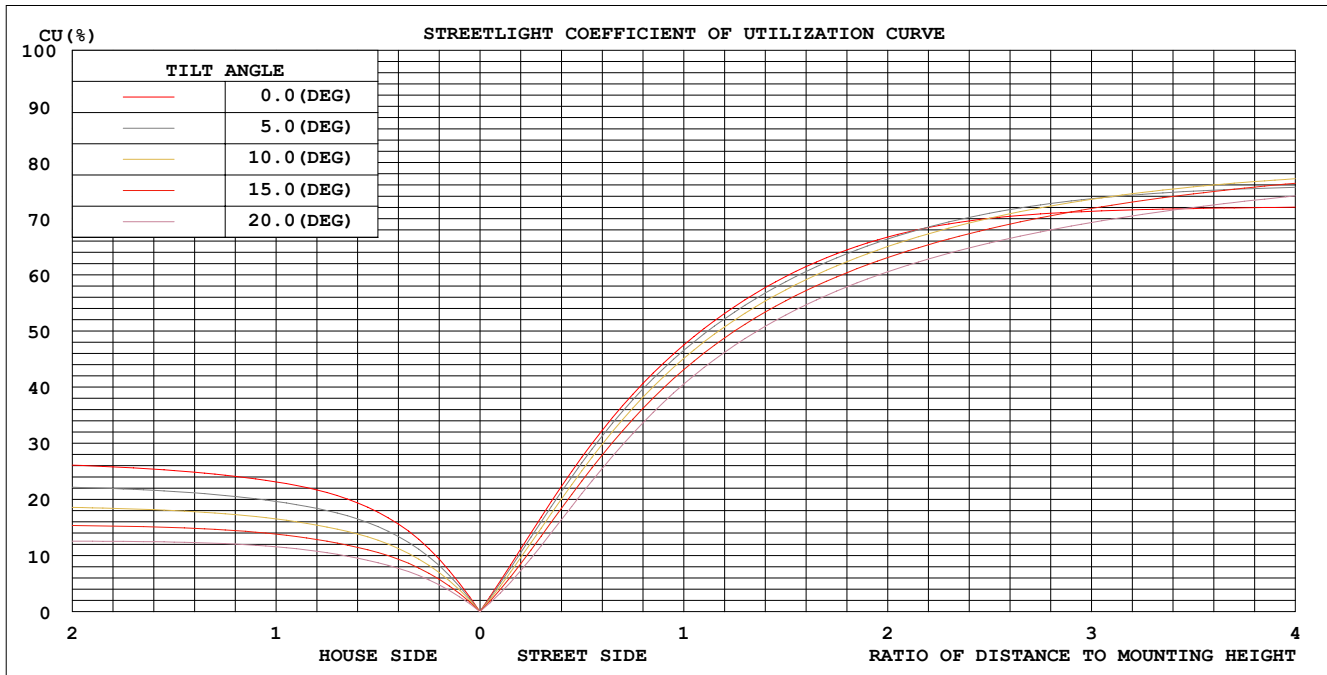
Classification:

IES:Type IV - Very Short
CIE:Broad - Intermediate
IES:Cut-off
CIE:Semi-cut-off
Max.At80:48.67cd/klm
Max.At90:0.8193cd/klm
Max.80-90:48.67cd/klm
NRB 5101:Limited[8.4%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	5158
90%	4642
80%	4126
70%	3611
60%	3095
50%	2579
40%	2063
30%	1547
20%	1032
10%	516
5%	258

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [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: 2019-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.801m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.3V I:0.5549A P:120.0W PF:0.9863 Freq:49.99Hz Lamp Flux:13918.3x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-120WIP-NV-L3-5070-T401-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 - \phi 0.297M$	Shielding Angle:

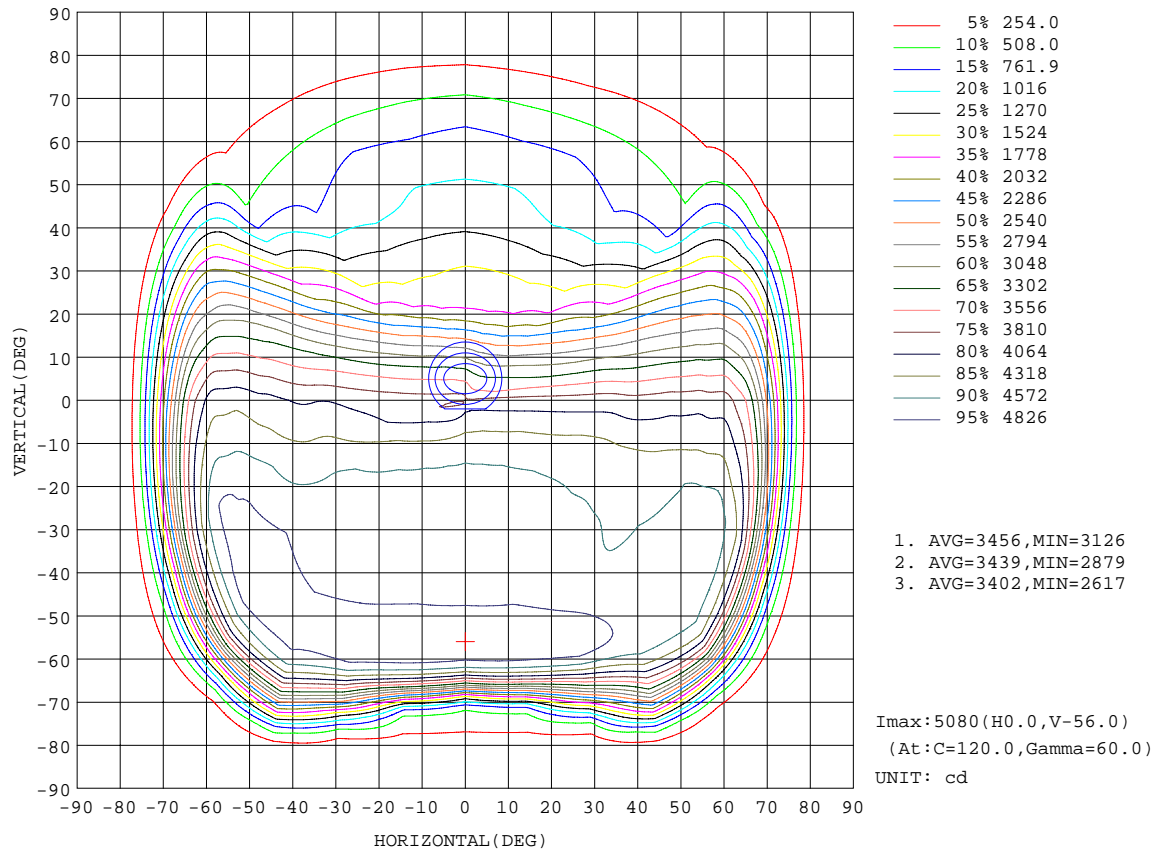
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	3838	4235	4382	4312	3841	3287	2989	3214	0- 10	362.9	362.9	2.61,2.61
20	3846	4462	4600	4656	3884	2551	1851	2399	10- 20	1033	1396	10,10
30	3871	4521	4599	4811	3967	1746	1530	1703	20- 30	1589	2985	21.4,21.4
40	3826	4523	4595	4862	3978	1316	1222	1322	30- 40	2069	5054	36.3,36.3
50	3875	4511	4868	4869	4130	868.8	1034	870.3	40- 50	2454	7508	53.9,53.9
60	3871	4661	4805	5004	4026	633.9	846.2	666.5	50- 60	2795	10303	74,74
70	2436	4026	977.5	4499	1934	372.5	530.9	391.7	60- 70	2582	12885	92.6,92.6
80	143.7	619.2	150.4	677.5	84.80	85.34	160.6	92.40	70- 80	931.3	13816	99.3,99.3
90	10.27	7.791	5.456	8.487	7.011	4.421	1.342	5.146	80- 90	59.05	13875	99.7,99.7
100	3.638	1.096	1.681	1.280	3.480	5.332	2.984	5.945	90-100	3.449	13879	99.7,99.7
110	6.786	1.768	2.275	1.935	6.314	8.595	6.706	9.594	100-110	4.587	13883	99.7,99.7
120	8.930	2.829	2.872	2.971	8.578	11.13	9.694	12.37	110-120	6.500	13890	99.8,99.8
130	10.22	4.075	3.418	4.147	9.756	12.14	11.36	13.46	120-130	7.200	13897	99.8,99.8
140	10.69	5.225	4.103	5.456	10.18	12.35	11.89	13.49	130-140	6.820	13904	99.9,99.9
150	10.37	6.388	5.263	6.753	10.36	12.22	11.84	13.17	140-150	5.810	13910	99.9,99.9
160	10.87	8.065	7.199	8.438	10.57	12.15	11.85	12.96	150-160	4.571	13914	100,100
170	11.09	9.730	9.179	10.01	11.02	12.02	11.98	12.90	160-170	2.996	13917	100,100
180	11.13	11.15	10.78	11.37	11.11	11.16	10.78	11.37	170-180	1.051	13918	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:2019-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

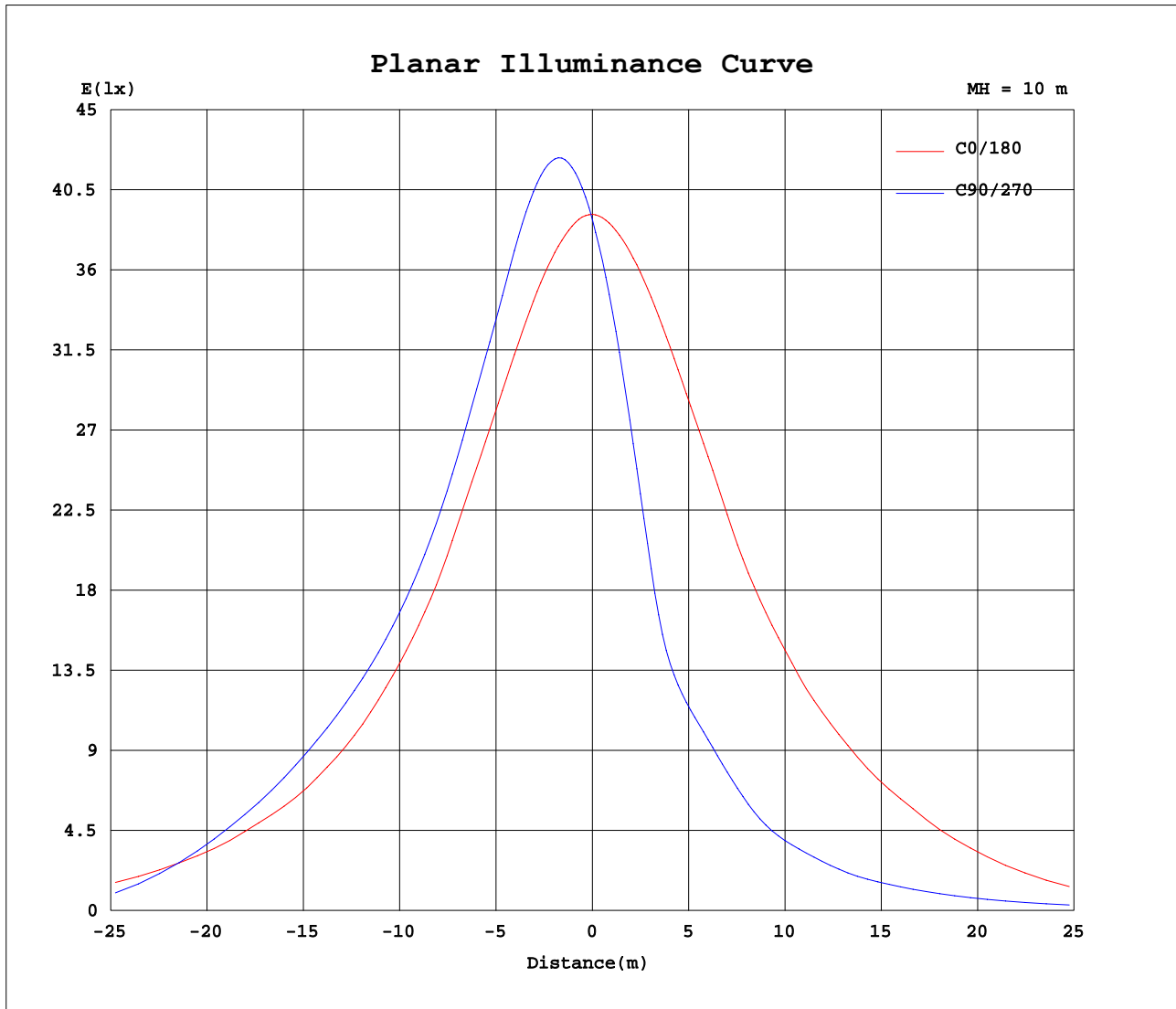
Test:U:219.3V I:0.5549A P:120.0W PF:0.9863 Freq:49.99Hz Lamp Flux:13918.3x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-120WIP-NV-L3-5070-T401-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 - \phi 0.297M$	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

Planar Illuminance Curve



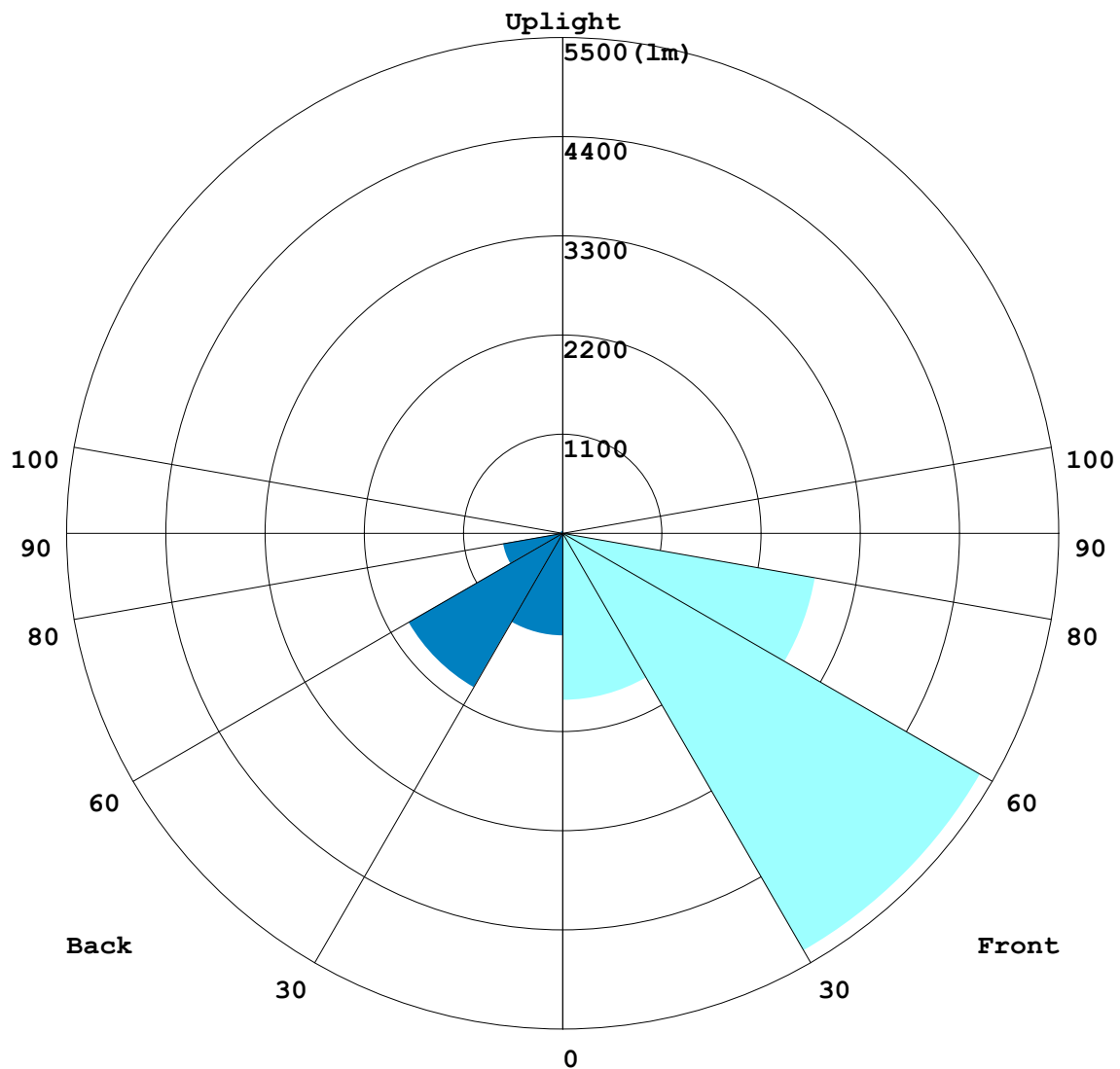
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.801m [K=1.0000]
Remarks:

LCS REPORT

Test:U:219.3V I:0.5549A P:120.0W PF:0.9863 Freq:49.99Hz Lamp Flux:13918.3x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-120WIP-NV-L3-5070-T401-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 - \phi 0.297M$	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.801m [K=1.0000]
Remarks:

BUG REPORT

Test:U:219.3V I:0.5549A P:120.0W PF:0.9863 Freq:49.99Hz Lamp Flux:13918.3x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-120WIP-NV-L3-5070-T401-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 - \phi 0.297M$	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1850.3	13.3
FM - Front-Medium(30-60)	5343.9	38.4
FH - Front-High(60-80)	2842.6	20.4
FVH - Front-Very High(80-90)	39.748	0.3
Total Forward Light	10091	72.5

BL - Back-Low(0-30)	1134.9	8.2
BM - Back-Medium(30-60)	1974.1	14.2
BH - Back-High(60-80)	670.53	4.8
BVH - Back-Very High(80-90)	19.304	0.1
Total Back Light	3827.4	27.5

UL - Uplight-Low(90-100)	3.4491	0.0
UH - Uplight-High(100-180)	39.536	0.3
Total Up Light	42.985	0.3

BUG(Back,Up,Glare) Rating	B3-U2-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3798.8	28.63	3827.4
Street Side	10077	14.355	10091

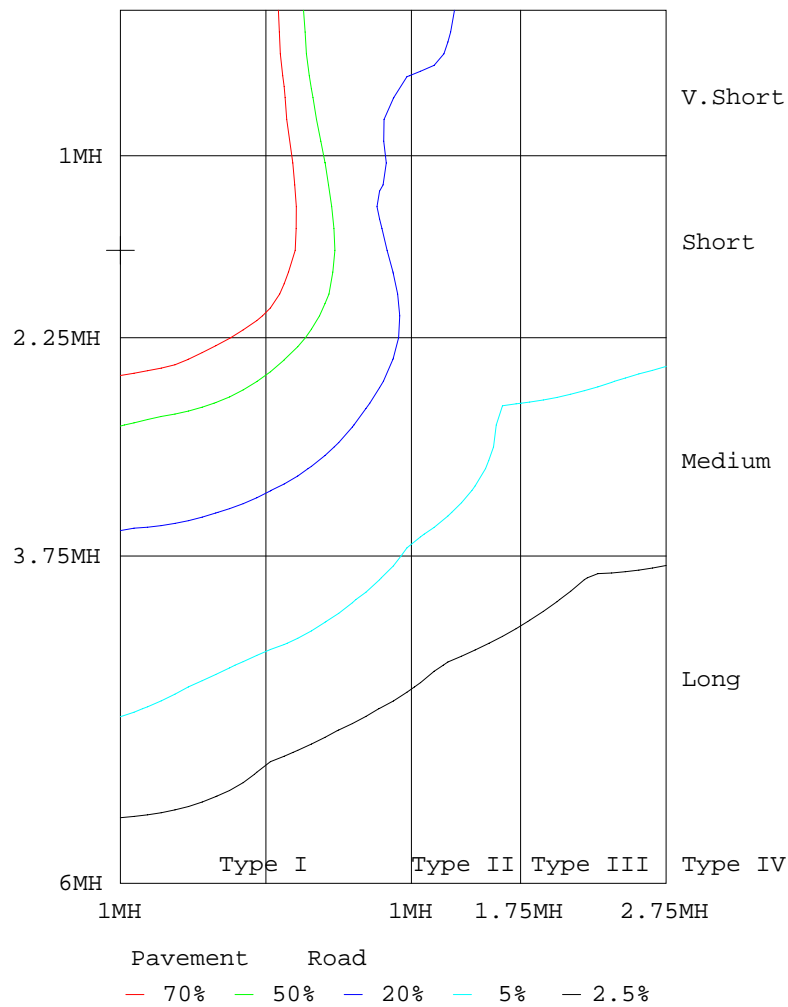
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.3V I:0.5549A P:120.0W PF:0.9863 Freq:49.99Hz Lamp Flux:13918.3x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-120WIP-NV-L3-5070-T401-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 - \phi 0.297M$	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.3V I:0.5549A P:120.0W PF:0.9863 Freq:49.99Hz Lamp Flux:13918.3x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-120WIP-NV-L3-5070-T401-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 \times \phi 0.297M$	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	3841	3841	3841	3841	3841	3841	3841	3841	3841	3841	3841	3841	3841	3841	3841	3841	3841	3841	3841
5	3840	3924	3996	4057	4101	4133	4148	4157	4137	4088	4014	3927	3836	3746	3662	3584	3525	3481	3465
10	3838	3998	4131	4235	4303	4356	4382	4407	4388	4312	4188	4021	3841	3656	3468	3287	3143	3031	2989
15	3844	4075	4250	4372	4442	4501	4533	4581	4585	4508	4354	4130	3859	3568	3256	2939	2682	2486	2419
20	3846	4140	4337	4462	4520	4571	4600	4678	4713	4656	4498	4239	3884	3489	3030	2551	2175	1911	1851
25	3854	4199	4397	4508	4545	4571	4593	4691	4771	4751	4618	4347	3920	3420	2795	2149	1714	1614	1618
30	3871	4246	4438	4521	4542	4578	4599	4702	4782	4811	4715	4461	3967	3354	2553	1746	1503	1497	1530
35	3867	4265	4458	4518	4549	4589	4586	4713	4797	4836	4781	4531	3975	3272	2303	1492	1363	1370	1400
40	3826	4276	4449	4523	4546	4598	4595	4717	4799	4862	4806	4561	3978	3204	2038	1316	1197	1197	1222
45	3857	4324	4451	4499	4570	4664	4688	4778	4835	4843	4864	4683	4063	3143	1765	1116	999	1055	1101
50	3875	4428	4514	4511	4650	4814	4868	4910	4898	4869	4974	4849	4130	3030	1473	869	901	1007	1034
55	3889	4525	4576	4597	4802	4963	5022	5062	5043	4981	5058	4991	4156	2867	1085	710	858	888	924
60	3871	4610	4616	4661	4893	4870	4805	5024	5158	5004	5060	5025	4026	2573	674	634	777	785	846
65	3494	4447	4697	4636	4400	3916	3540	4185	4824	4993	4955	4472	3313	1982	452	529	618	641	705
70	2436	3538	4280	4026	2883	1446	978	1790	3530	4499	4120	3010	1934	1011	311	373	444	494	531
75	926	1339	2269	2658	915	357	333	390	1389	2844	1739	968	558	264	172	224	292	340	365
80	144	178	282	619	194	160	150	175	252	677	208	135	84.8	67.2	70.9	85.3	123	154	161
85	38.1	40.3	37.6	39.9	47.6	49.7	45.9	57.0	60.9	46.9	31.1	34.6	26.8	23.3	24.9	19.4	28.8	32.6	34.4
90	10.3	11.2	8.04	7.79	7.04	6.39	5.46	9.19	11.4	8.49	5.43	8.25	7.01	6.56	6.47	4.42	4.35	2.23	1.34
95	2.32	2.25	1.91	1.55	1.27	1.65	1.43	1.34	1.55	1.84	1.82	1.93	2.12	3.10	3.79	3.78	2.70	1.87	1.74
100	3.64	2.27	1.31	1.10	1.19	1.29	1.68	1.43	1.35	1.28	1.51	2.71	3.48	4.79	5.28	5.33	4.22	3.19	2.98
105	5.34	3.37	1.93	1.39	1.48	1.63	1.97	1.75	1.63	1.56	2.13	3.81	5.05	6.56	6.97	7.02	6.05	5.11	4.71
110	6.79	4.48	2.66	1.77	1.81	2.12	2.27	2.16	1.96	1.93	2.83	4.89	6.31	8.13	8.53	8.60	7.78	7.11	6.71
115	7.97	5.47	3.43	2.22	2.34	2.42	2.59	2.49	2.43	2.39	3.59	5.81	7.57	9.49	10.0	10.0	9.21	8.63	8.40
120	8.93	6.30	4.16	2.83	2.65	2.72	2.87	2.80	2.83	2.97	4.31	6.53	8.58	10.5	11.2	11.1	10.2	9.74	9.69
125	9.73	6.99	4.88	3.51	3.01	3.01	3.15	3.11	3.23	3.52	4.96	7.05	9.27	11.0	11.8	11.8	10.9	10.6	10.8
130	10.2	7.45	5.56	4.07	3.38	3.30	3.42	3.42	3.64	4.15	5.55	7.52	9.76	11.3	12.0	12.1	11.5	11.2	11.4
135	10.7	7.70	6.16	4.66	3.82	3.64	3.73	3.73	4.14	4.84	6.11	8.01	10.0	11.3	12.0	12.3	12.0	11.7	11.8
140	10.7	7.85	6.70	5.23	4.30	4.06	4.10	4.14	4.70	5.46	6.57	8.30	10.2	11.3	11.9	12.3	12.1	11.9	11.9
145	10.5	8.02	7.14	5.81	4.90	4.60	4.62	4.69	5.35	6.08	7.05	8.61	10.3	11.2	11.9	12.3	12.1	11.9	11.9
150	10.4	8.27	7.56	6.39	5.63	5.29	5.26	5.38	6.03	6.75	7.53	8.88	10.4	11.2	11.8	12.2	12.1	12.0	11.8
155	10.9	9.21	8.53	7.33	6.65	6.26	6.25	6.39	7.11	7.77	8.50	9.94	10.5	11.2	11.8	12.2	12.1	12.0	11.8
160	10.9	9.50	9.11	8.07	7.49	7.17	7.20	7.30	7.92	8.44	9.09	10.21	10.6	11.2	11.8	12.1	12.2	12.0	11.9
165	11.0	9.84	9.71	8.89	8.40	8.11	8.19	8.20	8.74	9.23	9.74	10.6	10.8	11.1	11.8	12.1	12.1	12.0	12.0
170	11.1	10.2	10.3	9.73	9.34	9.05	9.18	9.11	9.60	10.01	10.4	11.0	11.0	11.1	11.7	12.0	12.0	12.0	12.0
175	11.1	10.5	10.8	10.5	10.2	9.96	10.0	9.85	10.3	10.7	10.9	11.2	11.1	10.9	11.5	11.6	11.6	11.5	11.5
180	11.1	10.7	11.2	11.1	11.0	10.8	10.8	10.5	11.0	11.4	11.3	11.3	11.1	10.7	11.2	11.2	11.0	10.8	10.8

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-06-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.3V I:0.5549A P:120.0W PF:0.9863 Freq:49.99Hz Lamp Flux:13918.3x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-120WIP-NV-L3-5070-T401-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 \times \phi 0.297M$	Shielding Angle:

Table--2

UNIT: cd

γ (DEG) \ C (DEG)	285	300	315	330	345														
0	3841	3841	3841	3841	3841														
5	3458	3485	3552	3644	3744														
10	2976	3055	3214	3425	3642														
15	2410	2550	2821	3183	3538														
20	1868	2025	2399	2916	3433														
25	1647	1715	1984	2645	3336														
30	1549	1572	1703	2369	3250														
35	1400	1409	1520	2080	3134														
40	1214	1206	1322	1791	3016														
45	1090	1026	1097	1536	2903														
50	1024	948	870	1282	2758														
55	914	878	751	934	2568														
60	795	779	666	634	2301														
65	638	611	557	492	1827														
70	481	432	392	354	1067														
75	311	260	236	203	312														
80	130	99.8	92.4	84.6	86.8														
85	27.0	22.5	20.2	27.0	29.8														
90	2.33	4.30	5.15	8.11	8.50														
95	2.48	3.37	4.18	3.90	2.92														
100	3.75	5.10	5.94	5.60	4.84														
105	5.69	7.02	7.81	7.50	7.07														
110	7.67	8.85	9.59	9.38	8.93														
115	9.22	10.5	11.1	10.8	10.34														
120	10.5	11.8	12.4	11.9	11.3														
125	11.5	12.6	13.2	12.5	11.8														
130	12.0	12.9	13.5	13.1	12.1														
135	12.2	13.0	13.5	13.1	12.1														
140	12.3	13.0	13.5	13.0	12.1														
145	12.3	12.9	13.4	12.9	11.9														
150	12.3	12.8	13.2	12.6	11.8														
155	12.2	12.7	13.0	12.5	11.7														
160	12.2	12.7	13.0	12.5	11.8														
165	12.2	12.7	13.0	12.5	12.0														
170	12.0	12.5	12.9	12.3	12.1														
175	11.3	11.9	12.2	11.9	11.8														
180	10.5	11.0	11.4	11.3	11.4														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.801m [K=1.0000]
 Remarks: