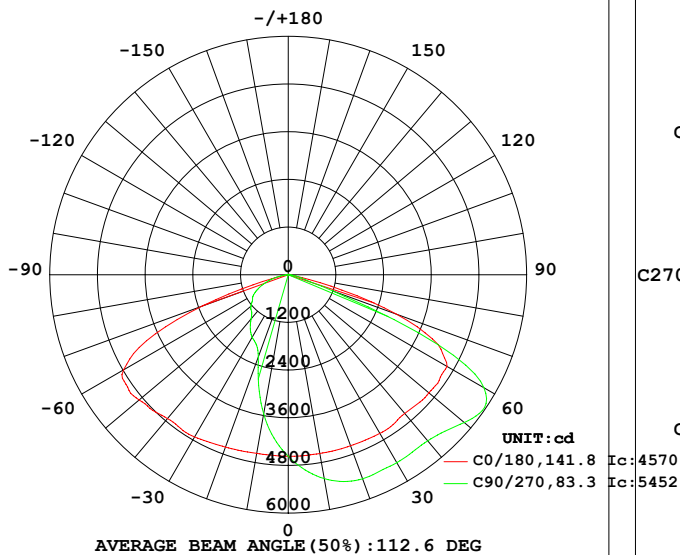
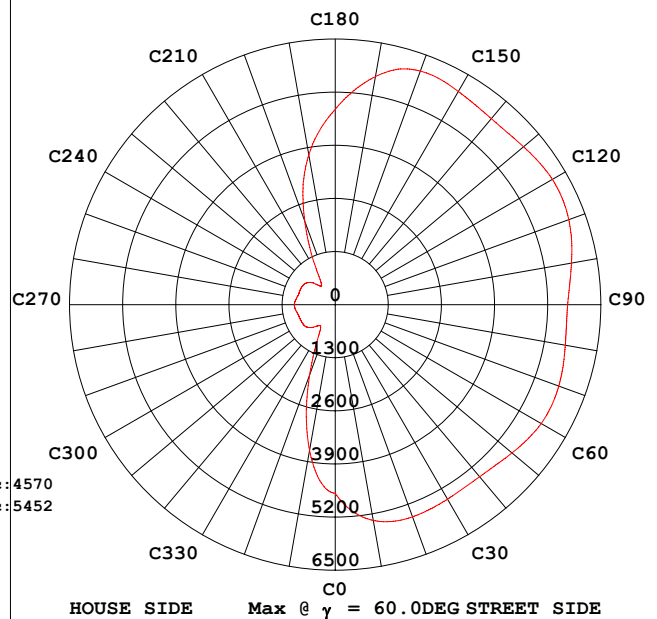


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.6904A P:149.8W PF:0.9900 Freq:49.99Hz Lamp Flux:16561.6x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-150WIP-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: 110.54 lm/W			
MODEL	3030	I _{max} (cd)	6135	η street_up (%)	0.1
NOMINAL POWER (W)	150	LOR (%)	100.0	η street_down (%)	72.4
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	16562	η house_up (%)	0.2
NOMINAL FLUX (lm)	16561.6	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	18.580

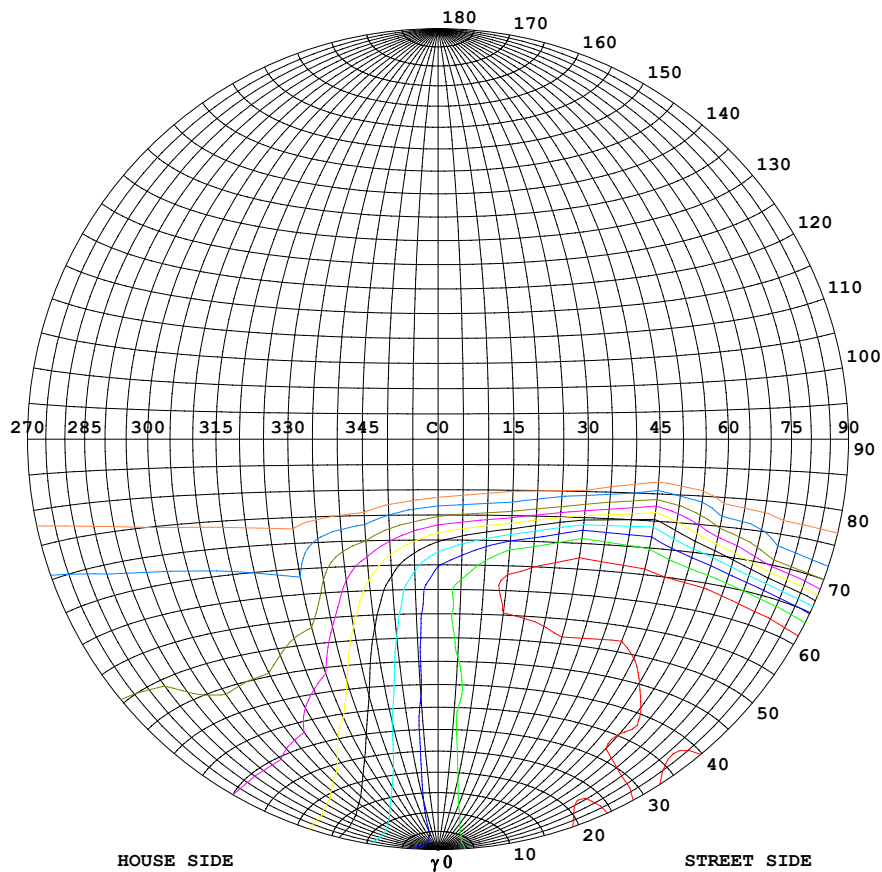
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:219.2V I:0.6904A P:149.8W PF:0.9900 Freq:49.99Hz Lamp Flux:16561.6x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-150WIP-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:



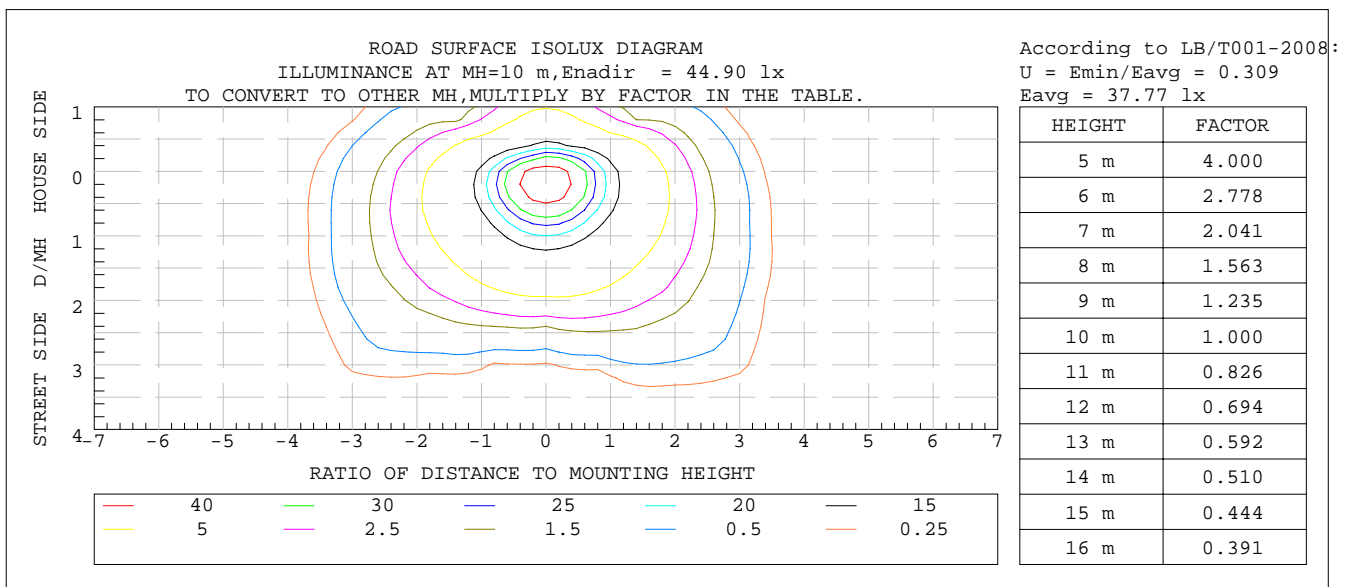
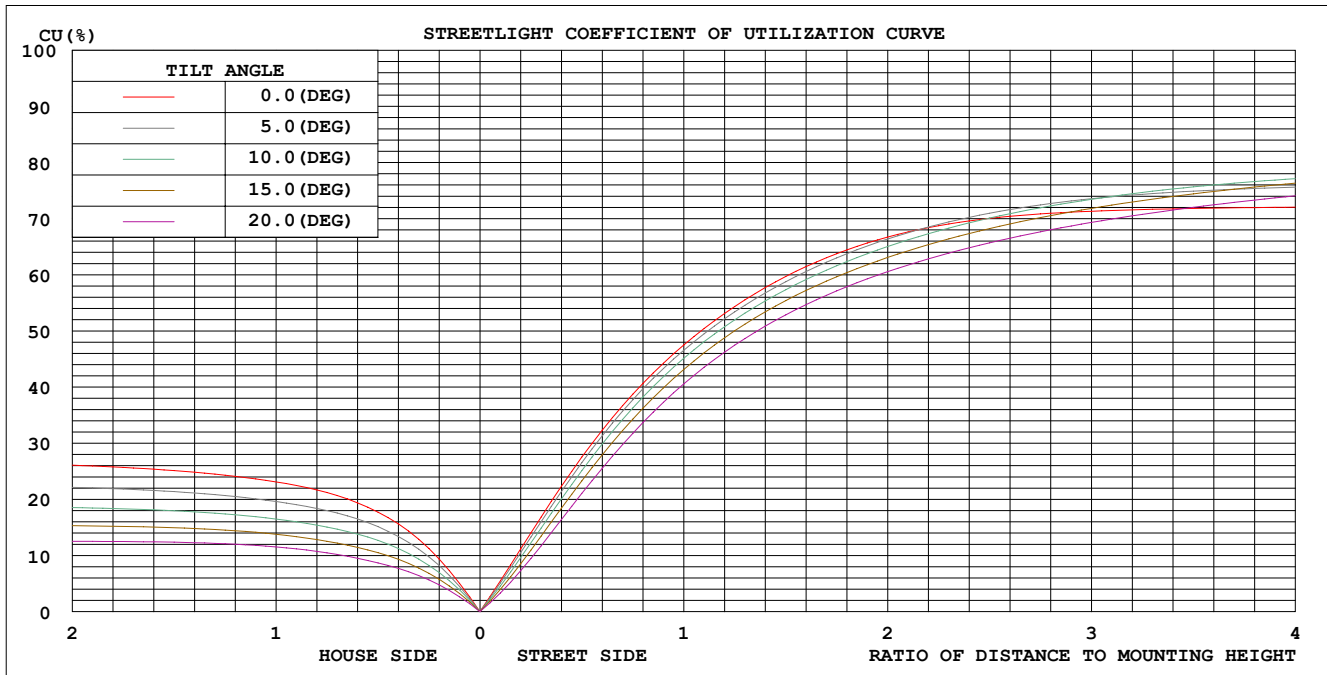
Classification:

IES:Type IV - Very Short
 CIE:Broad - Intermediate
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:50.63cd/klm
 Max.At90:0.8591cd/klm
 Max.80-90:50.63cd/klm
 NRB 5101:Limited[8.4%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6135
90%	5522
80%	4908
70%	4295
60%	3681
50%	3068
40%	2454
30%	1841
20%	1227
10%	614
5%	307

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:219.2V I:0.6904A P:149.8W PF:0.9900 Freq:49.99Hz Lamp Flux:16561.6x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-150WIP-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:

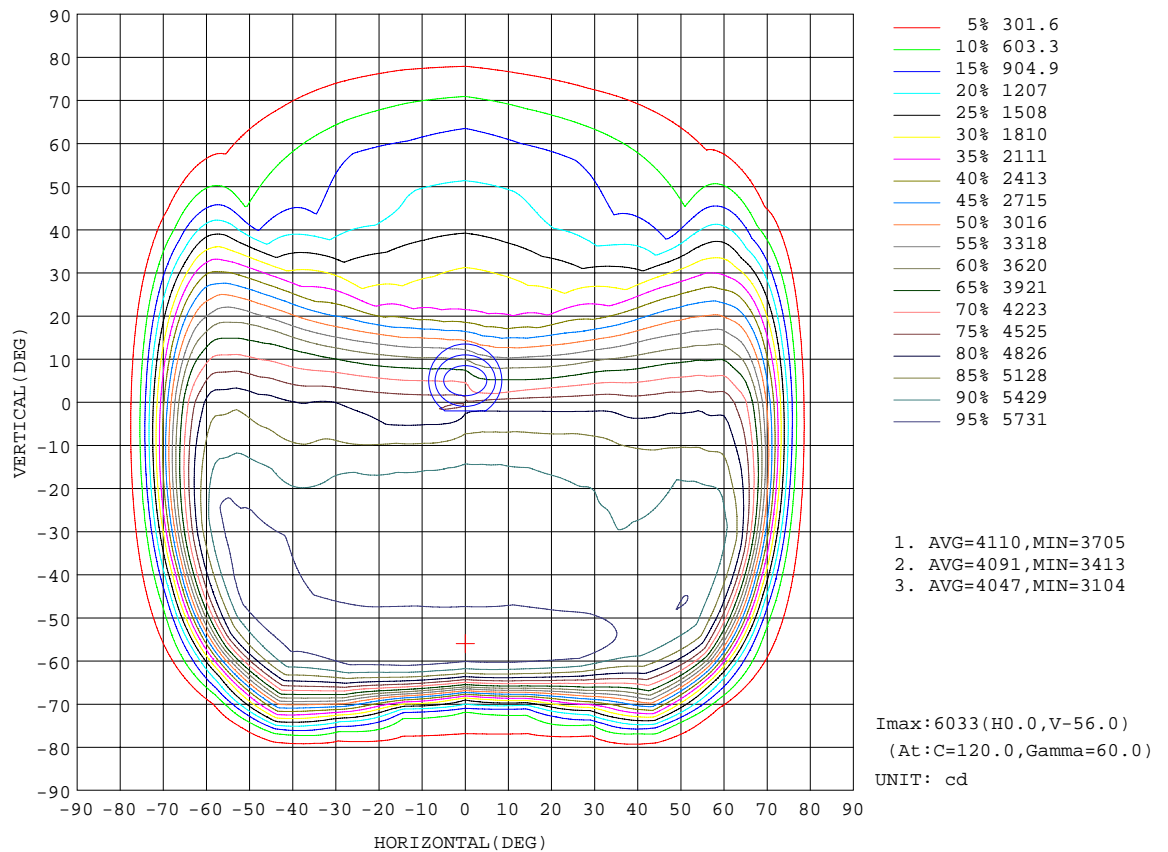
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	4568	5041	5209	5132	4567	3909	3561	3822	0- 10	431.7	431.7	2.61,2.61
20	4580	5312	5465	5542	4616	3029	2209	2855	10- 20	1229	1661	10,10
30	4612	5382	5463	5728	4713	2071	1819	2029	20- 30	1891	3551	21.4,21.4
40	4558	5386	5460	5790	4726	1563	1454	1572	30- 40	2462	6013	36.3,36.3
50	4621	5372	5785	5797	4904	1032	1229	1032	40- 50	2920	8933	53.9,53.9
60	4613	5553	5686	5958	4781	756.3	1006	786.9	50- 60	3324	12257	74,74
70	2883	4766	1198	5387	2305	444.2	631.6	459.3	60- 70	3069	15326	92.5,92.5
80	175.5	724.8	175.4	838.5	102.2	103.5	194.3	108.5	70- 80	1114	16440	99.3,99.3
90	12.09	9.100	5.642	10.73	8.328	5.259	1.646	5.859	80- 90	70.26	16511	99.7,99.7
100	4.306	1.265	1.978	1.463	4.091	6.309	3.460	7.019	90-100	4.046	16515	99.7,99.7
110	8.042	2.075	2.686	2.261	7.482	10.22	7.899	11.31	100-110	5.404	16520	99.7,99.7
120	10.58	3.348	3.411	3.504	10.18	13.21	11.40	14.64	110-120	7.695	16528	99.8,99.8
130	12.17	4.825	4.056	4.926	11.62	14.43	13.39	15.94	120-130	8.531	16536	99.8,99.8
140	12.65	6.184	4.872	6.471	12.08	14.65	14.03	15.92	130-140	8.085	16544	99.9,99.9
150	12.26	7.586	6.257	8.046	12.29	14.52	14.07	15.60	140-150	6.893	16551	99.9,99.9
160	12.89	9.562	8.557	10.03	12.56	14.44	14.07	15.35	150-160	5.427	16557	100,100
170	13.14	11.58	10.91	11.88	13.12	14.29	14.20	15.23	160-170	3.558	16560	100,100
180	13.20	13.26	12.79	13.48	13.21	13.27	12.79	13.50	170-180	1.248	16562	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
 γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.801m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

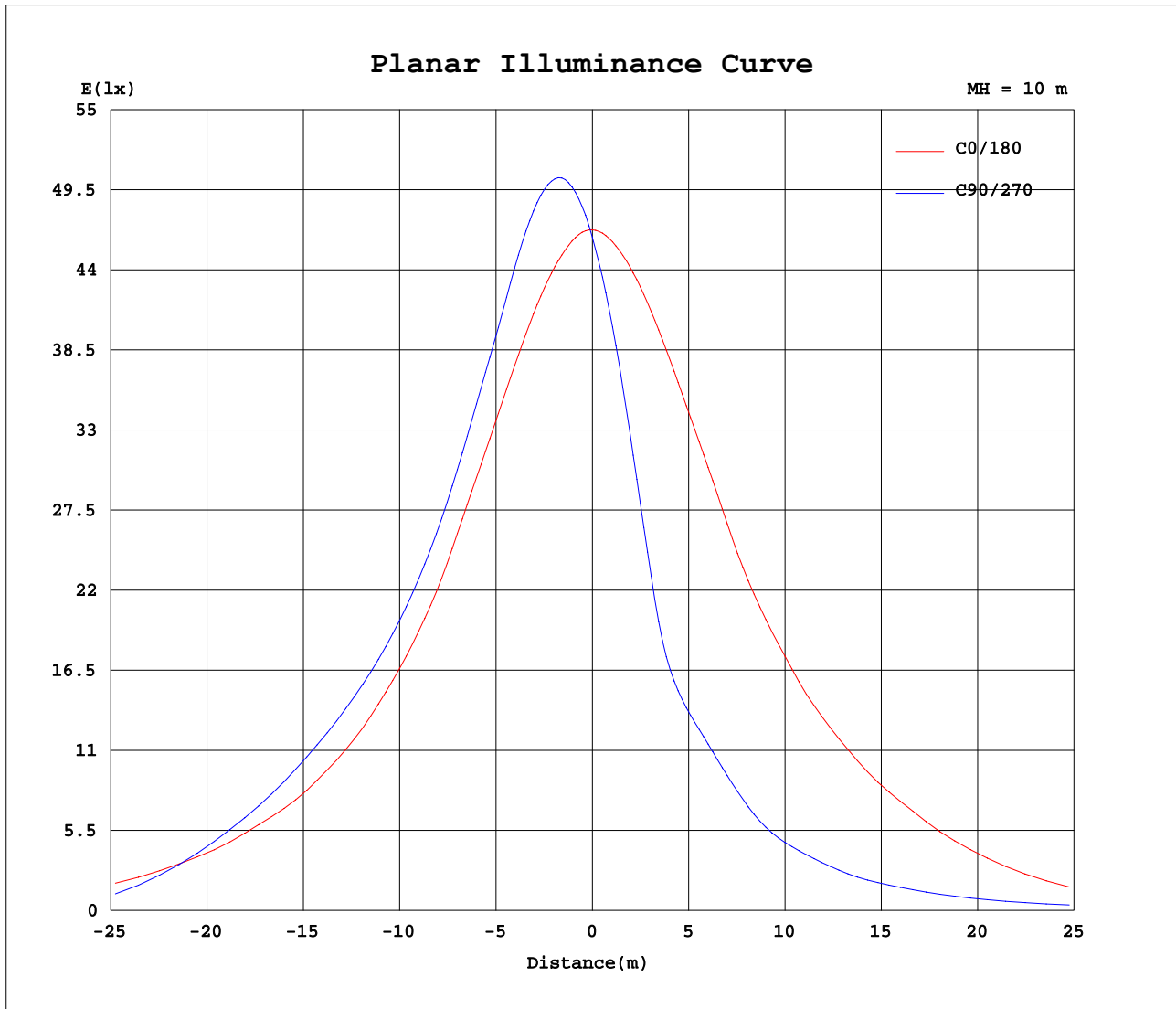
Test:U:219.2V I:0.6904A P:149.8W PF:0.9900 Freq:49.99Hz Lamp Flux:16561.6x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-150WIP-NV-L3-5070-T401-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 - \phi 0.297M$	Shielding Angle:



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



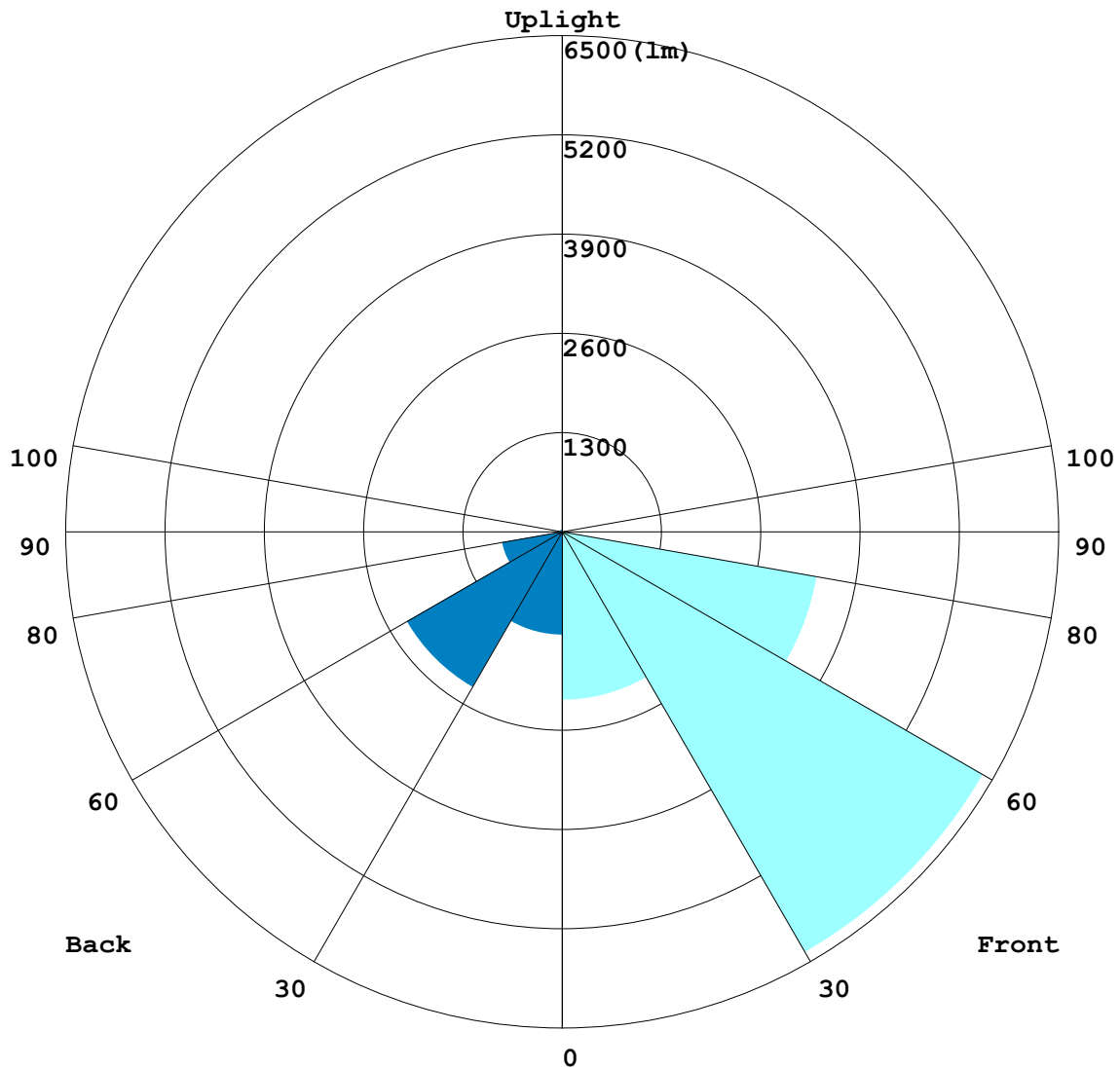
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-06-19

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:219.2V I:0.6904A P:149.8W PF:0.9900 Freq:49.99Hz Lamp Flux:16561.6x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-150WIP-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:

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:219.2V I:0.6904A P:149.8W PF:0.9900 Freq:49.99Hz Lamp Flux:16561.6x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-150WIP-NV-L3-5070-T401-P	DIM.: ϕ 0.46*0.08M	SERIAL No.:
MFR.: AOK	SUR.: ϕ 0.409- ϕ 0.297M	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2201.5	13.3
FM - Front-Medium(30-60)	6358.8	38.4
FH - Front-High(60-80)	3385.7	20.4
FVH - Front-Very High(80-90)	47.245	0.3
Total Forward Light	12010	72.5

BL - Back-Low(0-30)	1350	8.2
BM - Back-Medium(30-60)	2347.2	14.2
BH - Back-High(60-80)	797.26	4.8
BVH - Back-Very High(80-90)	23.017	0.1
Total Back Light	4551.3	27.5

UL - Uplight-Low(90-100)	4.0461	0.0
UH - Uplight-High(100-180)	46.839	0.3
Total Up Light	50.885	0.3

BUG(Back,Up,Glare) Rating	B3-U2-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4517.5	33.883	4551.3
Street Side	11993	17.002	12010

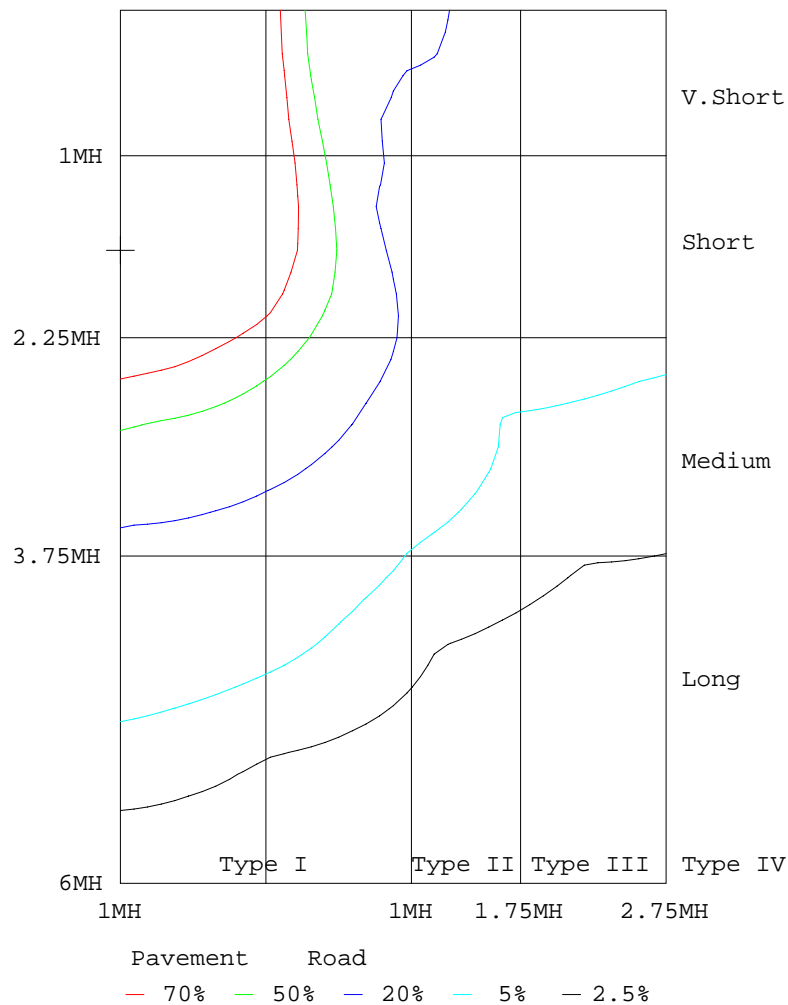
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-06-19

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:219.2V I:0.6904A P:149.8W PF:0.9900 Freq:49.99Hz Lamp Flux:16561.6x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-150WIP-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:219.2V I:0.6904A P:149.8W PF:0.9900 Freq:49.99Hz Lamp Flux:16561.6x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-150WIP-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	4569	4569	4569	4569	4569	4569	4569	4569	4569	4569	4569	4569	4569	4569	4569	4569	4569	4569	4569
5	4570	4670	4755	4829	4879	4917	4932	4945	4923	4863	4774	4668	4563	4457	4355	4264	4195	4143	4125
10	4568	4759	4917	5041	5121	5181	5209	5246	5220	5132	4982	4781	4567	4346	4124	3909	3737	3608	3561
15	4576	4851	5059	5204	5287	5352	5387	5455	5455	5365	5180	4909	4587	4241	3868	3493	3190	2962	2885
20	4580	4931	5162	5312	5378	5434	5465	5572	5609	5542	5350	5038	4616	4145	3597	3029	2583	2278	2209
25	4592	5001	5234	5367	5408	5432	5455	5590	5680	5655	5496	5165	4658	4060	3316	2550	2037	1921	1924
30	4612	5056	5282	5382	5404	5443	5463	5602	5694	5728	5612	5301	4713	3980	3024	2071	1788	1782	1819
35	4605	5078	5306	5378	5414	5455	5447	5616	5713	5760	5692	5383	4724	3880	2727	1772	1621	1631	1666
40	4558	5094	5296	5386	5410	5467	5460	5622	5715	5790	5722	5420	4726	3797	2409	1563	1424	1425	1454
45	4598	5152	5304	5357	5440	5547	5572	5692	5754	5768	5792	5565	4827	3723	2083	1326	1188	1256	1308
50	4621	5278	5374	5372	5537	5726	5785	5845	5826	5797	5920	5759	4904	3586	1736	1032	1074	1192	1229
55	4638	5392	5447	5477	5719	5898	5963	6024	5996	5929	6023	5928	4935	3391	1278	847	1022	1058	1099
60	4613	5489	5496	5553	5820	5773	5686	5989	6135	5958	6024	5968	4781	3042	794	756	924	935	1006
65	4159	5289	5586	5511	5221	4604	4147	5020	5760	5947	5908	5305	3934	2335	538	631	736	765	839
70	2883	4197	5072	4766	3396	1653	1198	2214	4246	5387	4931	3610	2305	1178	370	444	529	590	632
75	1114	1581	2664	3160	1106	418	391	476	1720	3453	2113	1140	668	317	206	268	349	408	436
80	176	270	334	725	230	188	175	214	315	839	262	160	102	80.6	85.1	104	146	186	194
85	47.0	49.2	45.3	48.1	56.9	58.1	53.4	70.3	74.4	58.0	38.7	41.2	32.3	28.0	29.7	23.1	34.6	40.0	42.3
90	12.1	13.2	9.40	9.10	8.23	6.97	5.64	11.9	14.2	10.7	6.58	9.75	8.33	7.89	7.69	5.26	5.18	2.72	1.65
95	2.71	2.57	2.18	1.79	1.46	1.89	1.62	1.55	1.81	2.18	2.20	2.25	2.53	3.68	4.36	4.42	3.13	2.16	1.95
100	4.31	2.67	1.52	1.26	1.39	1.48	1.98	1.64	1.54	1.46	1.76	3.19	4.09	5.54	6.12	6.31	4.96	3.71	3.46
105	6.32	3.98	2.26	1.62	1.74	1.93	2.32	2.04	1.90	1.82	2.50	4.51	5.99	7.71	8.21	8.32	7.14	5.96	5.49
110	8.04	5.30	3.13	2.07	2.14	2.50	2.69	2.53	2.30	2.26	3.36	5.81	7.48	9.62	10.1	10.2	9.22	8.33	7.90
115	9.45	6.46	4.04	2.62	2.77	2.87	3.06	2.93	2.87	2.81	4.25	6.89	8.99	11.2	12.0	11.9	10.9	10.2	9.90
120	10.6	7.47	4.92	3.35	3.15	3.22	3.41	3.31	3.34	3.50	5.12	7.77	10.2	12.4	13.3	13.2	12.1	11.6	11.4
125	11.6	8.28	5.76	4.16	3.56	3.56	3.73	3.67	3.81	4.16	5.89	8.40	11.0	13.2	13.9	14.0	12.9	12.5	12.7
130	12.2	8.83	6.60	4.82	4.01	3.92	4.06	4.04	4.32	4.93	6.59	8.94	11.6	13.4	14.2	14.4	13.6	13.2	13.4
135	12.6	9.14	7.31	5.52	4.54	4.32	4.42	4.43	4.91	5.74	7.26	9.54	11.9	13.4	14.2	14.6	14.2	13.8	13.8
140	12.7	9.32	7.95	6.18	5.12	4.81	4.87	4.91	5.57	6.47	7.83	9.89	12.1	13.4	14.2	14.7	14.3	14.0	14.0
145	12.3	9.52	8.45	6.89	5.82	5.46	5.48	5.57	6.34	7.23	8.39	10.23	12.3	13.3	14.1	14.6	14.4	14.2	14.1
150	12.3	9.80	8.96	7.59	6.68	6.28	6.26	6.38	7.17	8.05	8.96	10.6	12.3	13.3	14.0	14.5	14.3	14.2	14.1
155	12.9	10.9	10.1	8.70	7.87	7.44	7.43	7.58	8.43	9.21	10.10	11.8	12.4	13.3	14.0	14.4	14.4	14.2	14.0
160	12.9	11.3	10.8	9.56	8.88	8.52	8.56	8.66	9.40	10.03	10.8	12.1	12.6	13.3	14.0	14.4	14.5	14.3	14.1
165	13.0	11.7	11.5	10.6	9.95	9.63	9.74	9.74	10.4	10.9	11.6	12.6	12.8	13.2	14.0	14.4	14.4	14.3	14.2
170	13.1	12.1	12.2	11.6	11.0	10.7	10.9	10.8	11.4	11.9	12.3	13.1	13.1	13.1	13.9	14.3	14.3	14.2	14.2
175	13.2	12.4	12.8	12.5	12.1	11.8	11.9	11.7	12.2	12.7	12.9	13.2	13.2	13.0	13.7	13.8	13.8	13.6	13.7
180	13.2	12.7	13.3	13.3	13.0	12.8	12.8	12.5	13.0	13.5	13.4	13.5	13.2	12.7	13.3	13.3	13.0	12.8	12.8

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:219.2V I:0.6904A P:149.8W PF:0.9900 Freq:49.99Hz Lamp Flux:16561.6x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-150WIP-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

C (DEG) γ (DEG)	285	300	315	330	345														
0	4569	4569	4569	4569	4569														
5	4110	4146	4225	4335	4454														
10	3536	3631	3822	4074	4334														
15	2860	3030	3358	3786	4211														
20	2219	2408	2855	3472	4088														
25	1958	2042	2365	3148	3975														
30	1842	1869	2029	2825	3874														
35	1662	1674	1809	2483	3736														
40	1436	1431	1572	2141	3599														
45	1294	1217	1302	1835	3468														
50	1213	1123	1032	1529	3296														
55	1084	1039	889	1111	3071														
60	940	920	787	753	2751														
65	753	720	654	581	2188														
70	565	507	459	416	1276														
75	363	305	275	238	378														
80	151	116	109	98.0	108														
85	30.8	25.9	23.2	31.4	36.3														
90	2.70	5.01	5.86	9.22	10.07														
95	2.96	3.93	4.84	4.47	3.44														
100	4.48	6.01	7.02	6.54	5.68														
105	6.75	8.27	9.26	8.86	8.27														
110	9.10	10.5	11.3	11.1	10.5														
115	11.0	12.4	13.1	12.9	12.2														
120	12.4	13.9	14.6	14.0	13.3														
125	13.6	14.9	15.6	14.8	13.9														
130	14.2	15.3	15.9	15.5	14.3														
135	14.4	15.4	16.0	15.5	14.4														
140	14.6	15.4	15.9	15.4	14.3														
145	14.6	15.3	15.8	15.3	14.1														
150	14.6	15.2	15.6	15.0	14.0														
155	14.5	15.1	15.4	14.8	14.0														
160	14.4	15.1	15.4	14.8	14.0														
165	14.4	15.1	15.3	14.8	14.2														
170	14.3	14.9	15.2	14.7	14.3														
175	13.5	14.1	14.5	14.1	14.0														
180	12.5	13.0	13.5	13.4	13.5														

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: