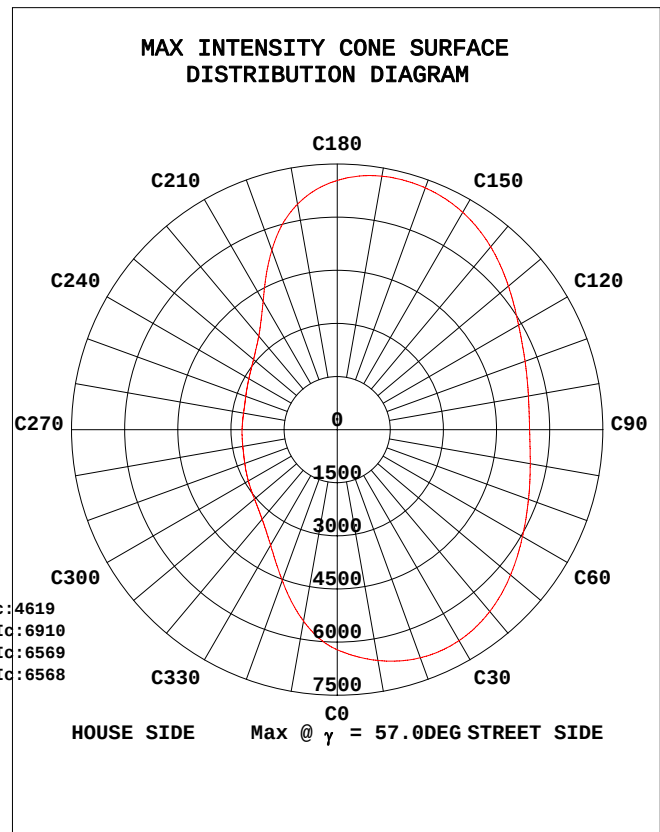
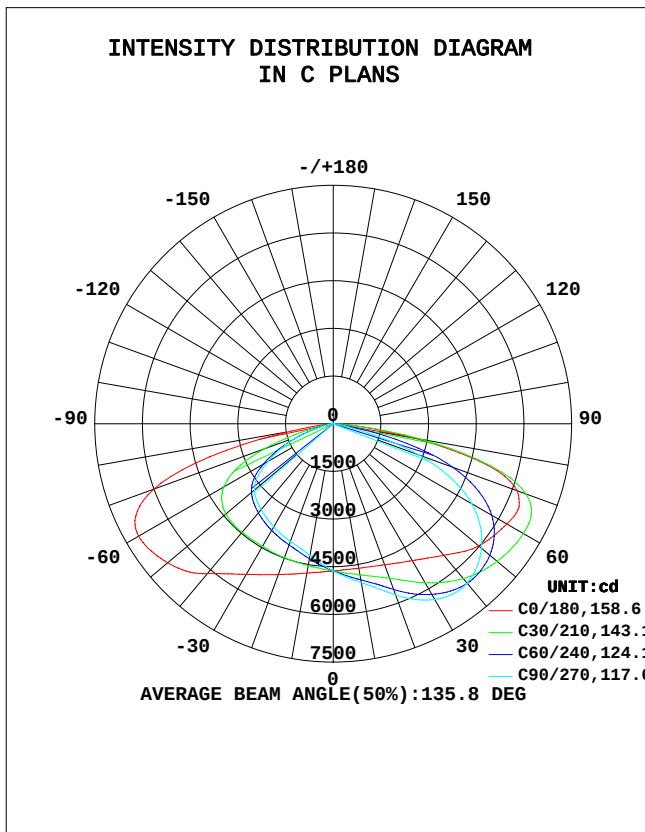


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.6755A P:146.6W PF:0.9899 Freq:50.01Hz Lamp Flux:23246.1x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-150WiLA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 158.19 lm/W			
MODEL	3030	I _{max} (cd)	7291	η street_up(%)	0.0
NOMINAL POWER(W)	150	LOR(%)	99.8	η street_down(%)	61.8
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	23198	η house_up(%)	0.0
NOMINAL FLUX(lm)	23246.1	MAXIMUM @(C,γ)	165,57.0	η house_down(%)	38.0
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	99.8	SLI	22.694

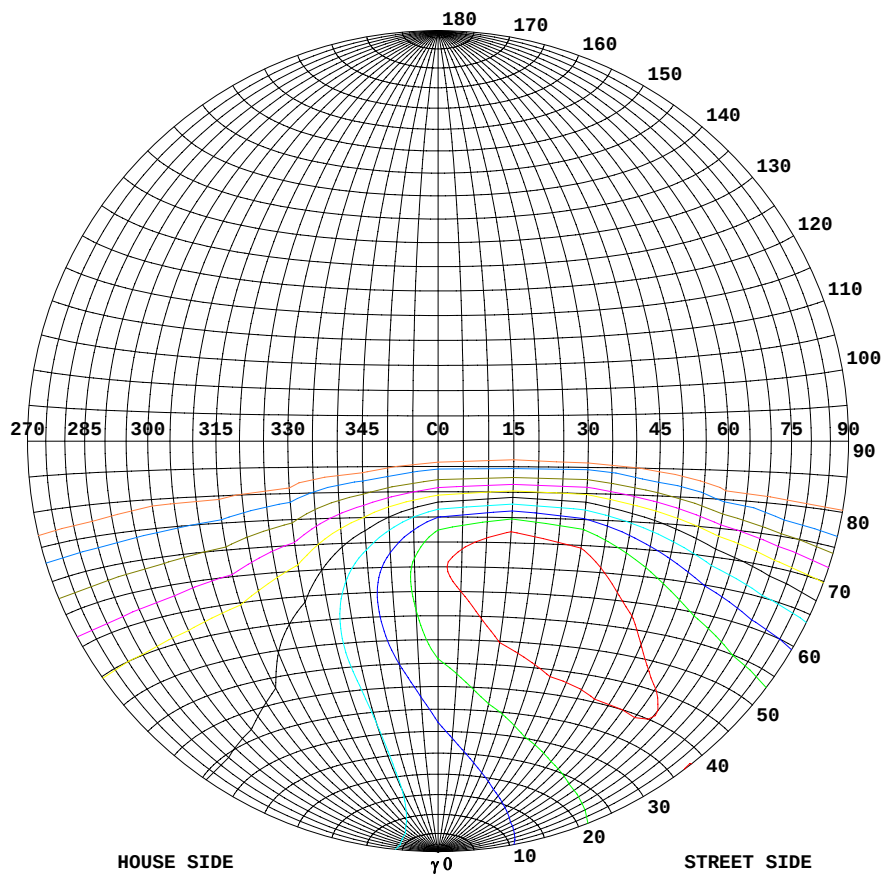


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-27

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:0.6755A P:146.6W PF:0.9899 Freq:50.01Hz Lamp Flux:23246.1x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-150WiLA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:



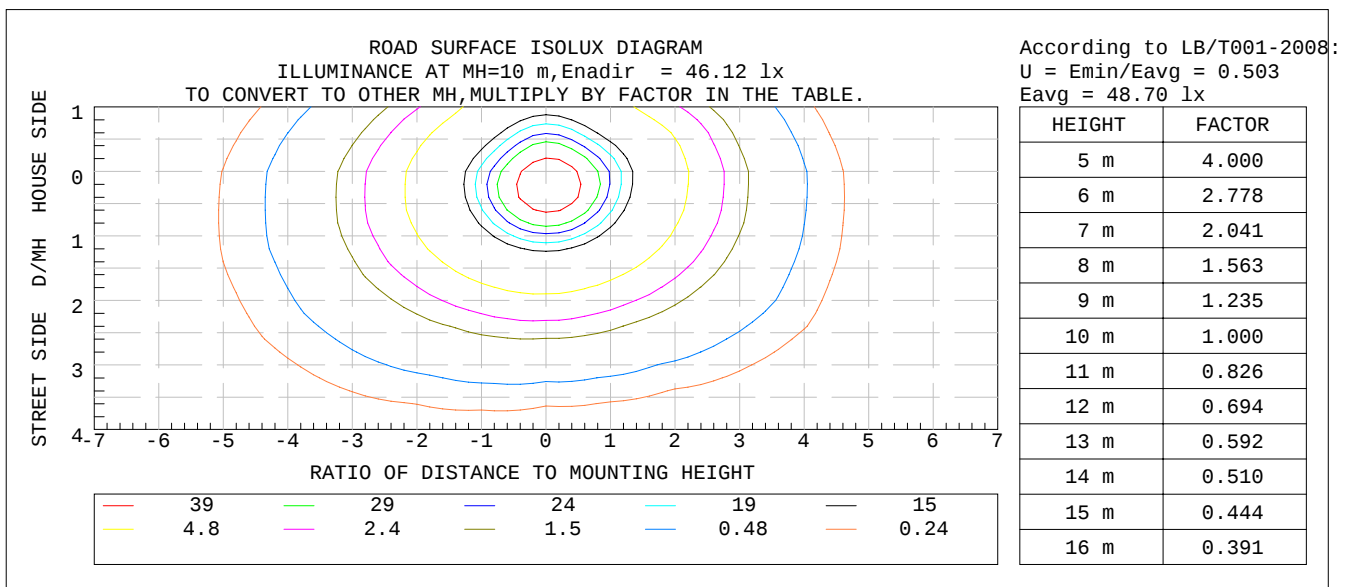
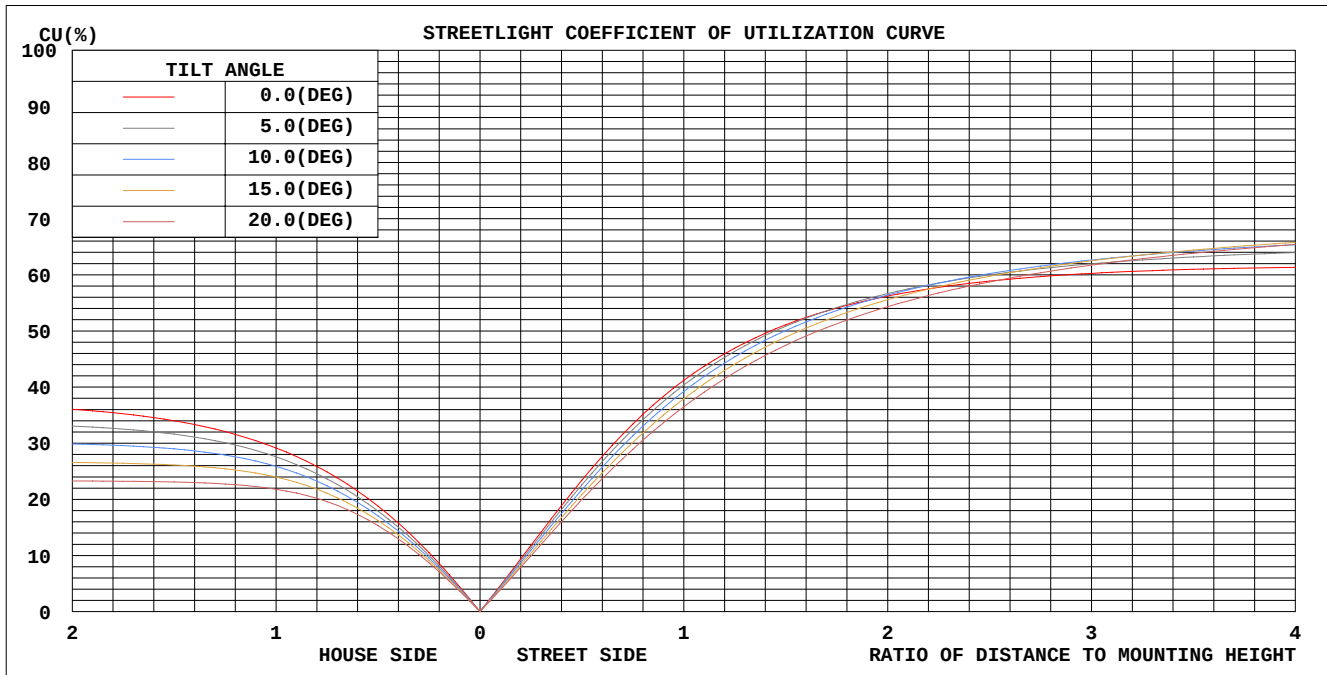
Classification:

IES:Type III - Short
CIE:Average - Short
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:130.4cd/klm
Max.At90:0cd/klm
Max.80-90:130.4cd/klm
NRB 5101:Semi limited[22.4%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7291
90%	6562
80%	5833
70%	5104
60%	4374
50%	3645
40%	2916
30%	2187
20%	1458
10%	729
5%	365

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-27

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:
Test Date: 2022-08-27

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:0.6755A P:146.6W PF:0.9899 Freq:50.01Hz Lamp Flux:23246.1x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-150WiLA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

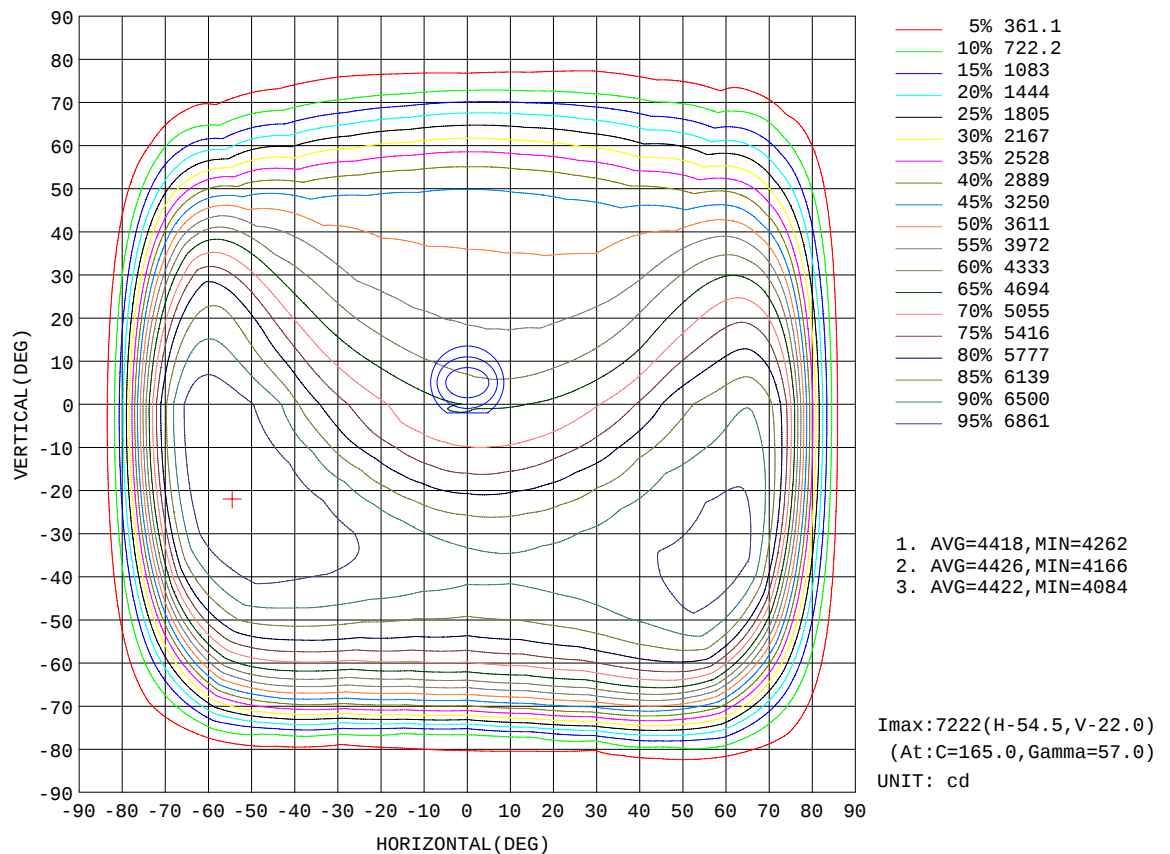
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	4615	4914	5073	5032	4772	4415	4211	4309	0- 10	443.7	443.7	1.91,1.91
20	4722	5372	5727	5632	5051	4228	3944	4077	10- 20	1346	1790	7.72,7.7
30	4974	6033	6384	6453	5470	4071	3747	3900	20- 30	2314	4104	17.7,17.7
40	5406	6519	6547	6937	6154	3920	3523	3726	30- 40	3300	7404	31.9,31.9
50	5979	6660	6086	6890	6002	3655	3242	3507	40- 50	4153	11557	49.8,49.7
60	6308	6429	5029	6254	7071	2951	2365	2896	50- 60	4631	16188	69.8,69.6
70	6151	5238	2862	4545	5999	1369	1097	1546	60- 70	4300	20488	88.3,88.1
80	2558	1682	389.3	871.7	1325	230.9	206.4	327.3	70- 80	2413	22900	98.7,98.5
90	0	0	0	0	0	0	0	0	80- 90	297.9	23198	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	23198	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	23198	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	23198	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	23198	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	23198	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	23198	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	23198	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	23198	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	23198	100,99.8
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-27

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

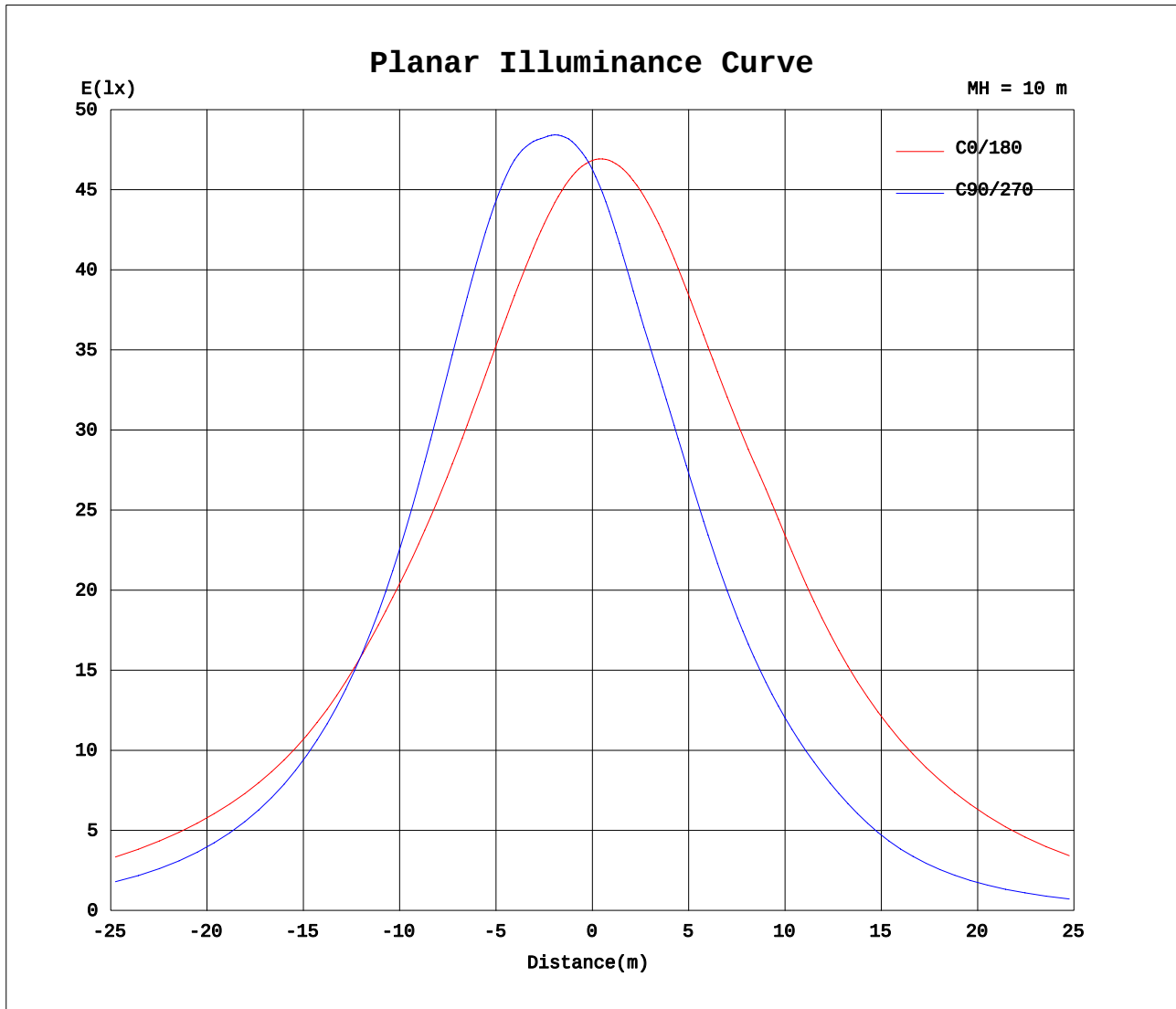
Test:U:219.3V I:0.6755A P:146.6W PF:0.9899 Freq:50.01Hz Lamp Flux:23246.1x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-150WiLA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-27

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



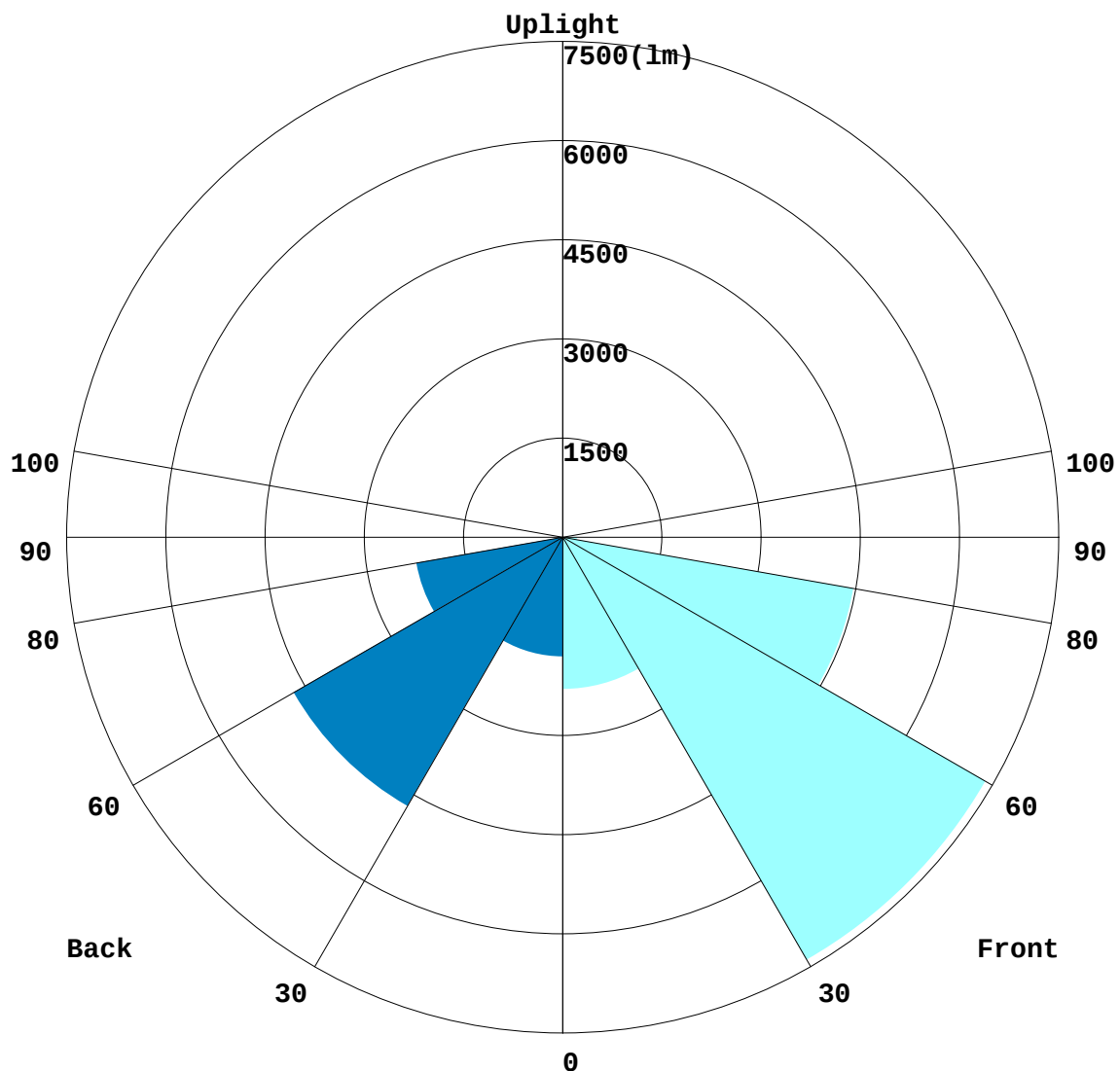
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-27

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:0.6755A P:146.6W PF:0.9899 Freq:50.01Hz Lamp Flux:23246.1x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-150WiLA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-27

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:0.6755A P:146.6W PF:0.9899 Freq:50.01Hz Lamp Flux:23246.1x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-150WiLA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2297.2	9.9
FM - Front-Medium(30-60)	7385.2	31.8
FH - Front-High(60-80)	4466.6	19.3
FVH - Front-Very High(80-90)	219.93	0.9
Total Forward Light	14369	61.9

BL - Back-Low(0-30)	1806.6	7.8
BM - Back-Medium(30-60)	4698.7	20.3
BH - Back-High(60-80)	2246.3	9.7
BVH - Back-Very High(80-90)	77.987	0.3
Total Back Light	8829.5	38.1

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	8829.5	0	8829.5
Street Side	14369	0	14369

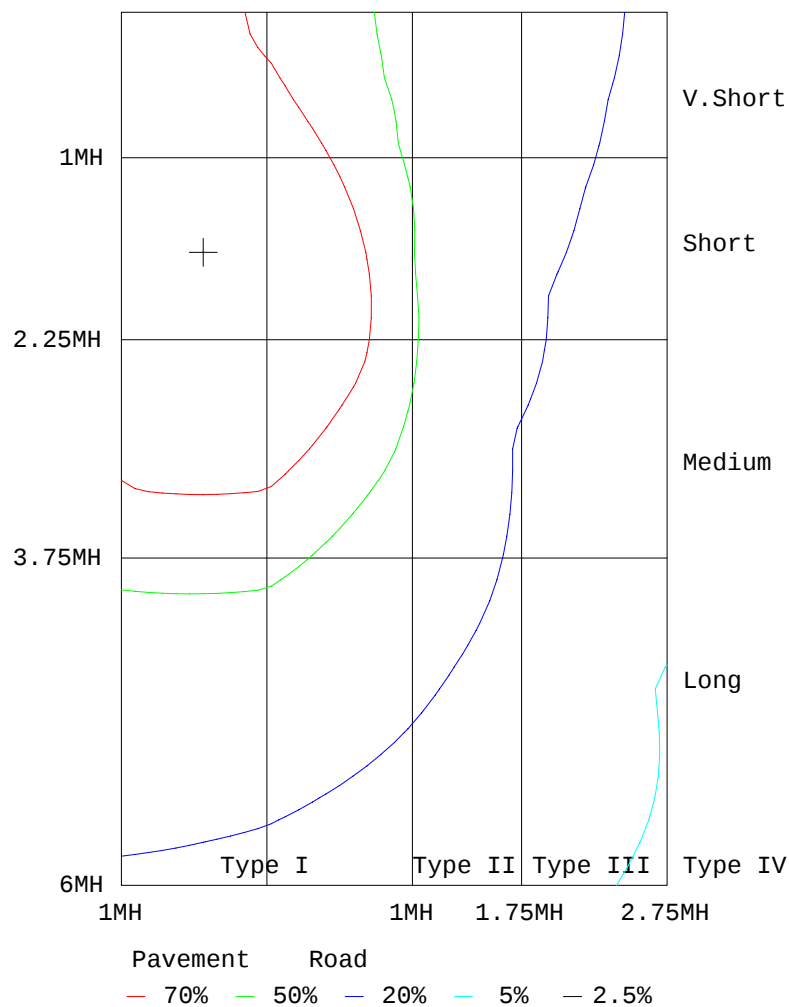
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-27

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:0.6755A P:146.6W PF:0.9899 Freq:50.01Hz Lamp Flux:23246.1x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-150WiLA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-27

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:0.6755A P:146.6W PF:0.9899 Freq:50.01Hz Lamp Flux:23246.1x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-150WiLA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

Table--1

UNIT: cd

C(°)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	4630	4630	4630	4630	4630	4630	4630	4630	4630	4630	4630	4630	4630	4630	4630	4630	4630	4630	4630
5	4610	4663	4715	4759	4796	4824	4841	4845	4836	4816	4782	4738	4684	4629	4572	4518	4471	4437	4419
10	4615	4722	4826	4914	4986	5040	5073	5084	5069	5032	4971	4882	4772	4657	4531	4415	4316	4246	4211
15	4653	4814	4973	5108	5220	5301	5353	5364	5349	5294	5205	5067	4894	4709	4506	4319	4173	4084	4045
20	4722	4950	5173	5372	5547	5656	5727	5742	5718	5632	5497	5300	5051	4778	4488	4228	4061	3979	3944
25	4830	5135	5451	5711	5899	6016	6097	6136	6135	6051	5868	5585	5240	4865	4469	4145	3967	3884	3849
30	4974	5380	5775	6033	6200	6304	6384	6451	6490	6453	6295	5932	5470	4975	4453	4071	3877	3784	3747
35	5162	5677	6086	6312	6426	6489	6545	6634	6721	6762	6672	6370	5765	5119	4452	4000	3777	3670	3634
40	5406	6013	6359	6519	6554	6539	6547	6650	6798	6937	6936	6757	6154	5309	4465	3920	3664	3556	3523
45	5708	6310	6577	6632	6551	6434	6383	6500	6713	6976	7094	7010	6553	5519	4461	3815	3535	3431	3407
50	5979	6517	6732	6660	6431	6201	6086	6213	6489	6890	7161	7172	6802	5754	4411	3655	3359	3255	3242
55	6154	6696	6845	6609	6180	5826	5652	5780	6115	6669	7136	7279	6985	5957	4276	3391	3064	2915	2894
60	6308	6862	6906	6429	5754	5267	5029	5147	5529	6254	6950	7273	7071	6005	3972	2951	2530	2358	2365
65	6411	7028	6867	6027	5058	4438	4127	4244	4669	5565	6513	7042	6852	5663	3366	2226	1868	1739	1768
70	6151	6832	6442	5238	4003	3259	2862	3018	3514	4545	5635	6300	5999	4551	2311	1369	1138	1059	1097
75	5023	5679	5135	3819	2414	1603	1144	1300	1811	2947	4090	4365	4022	2650	1042	612	537	501	492
80	2558	3030	2799	1682	591	422	389	368	390	872	1745	1684	1325	815	302	231	244	207	206
85	553	591	565	282	129	95.8	84.2	73.1	88.3	100	159	252	142	90.0	56.4	45.1	54.5	49.2	55.2
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:
 Test Date:2022-08-27

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:0.6755A P:146.6W PF:0.9899 Freq:50.01Hz Lamp Flux:23246.1x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-150WiLA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	4630	4630	4630	4630	4630														
5	4415	4431	4461	4503	4555														
10	4210	4244	4309	4395	4502														
15	4049	4089	4181	4313	4478														
20	3949	3982	4077	4249	4480														
25	3854	3890	3985	4192	4500														
30	3756	3797	3900	4137	4536														
35	3647	3698	3814	4090	4595														
40	3537	3591	3726	4048	4688														
45	3421	3476	3630	4019	4816														
50	3265	3328	3507	3967	4939														
55	2939	3065	3287	3847	5010														
60	2394	2565	2896	3591	4999														
65	1807	1958	2255	3095	4798														
70	1161	1315	1546	2314	4184														
75	547	647	812	1336	2967														
80	226	302	327	486	1346														
85	61.0	84.9	88.2	110	210														
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:
 Test Date:2022-08-27

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: