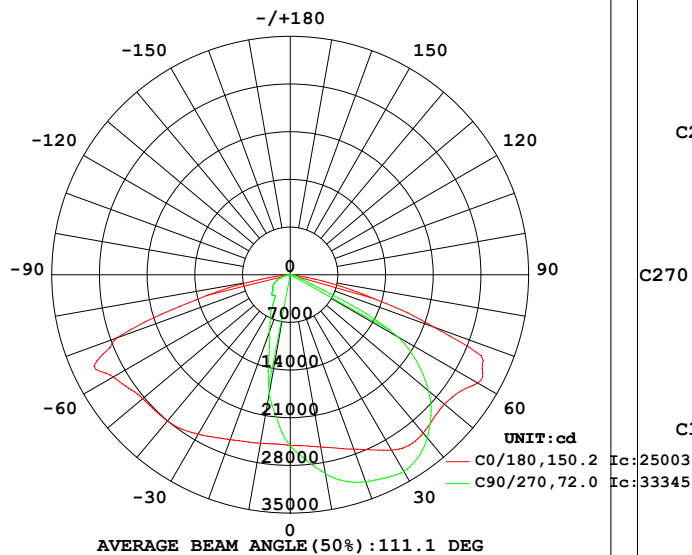
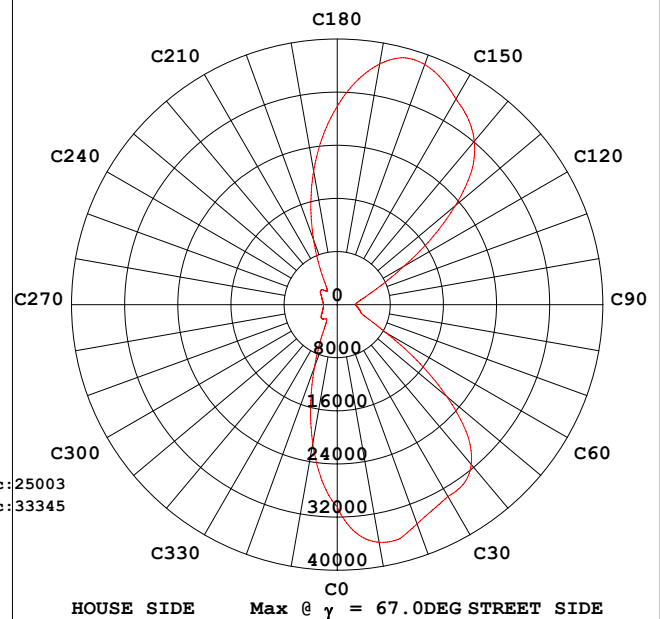


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.0V I:3.236A P:704.4W PF:0.9941 Freq:49.99Hz Lamp Flux:93093.1x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:26kg
SPEC.:AOK-720WINM-NV-Y2-00-4070-T3M-P	DIM.: $\phi$ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 530mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 132.16 lm/W			
MODEL	2525	I <sub>max</sub> (cd)	38517	$\eta$ street_up (%)	0.0
NOMINAL POWER (W)	720	LOR (%)	100.0	$\eta$ street_down (%)	73.3
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	93093	$\eta$ house_up (%)	0.0
NOMINAL FLUX (lm)	93093.1	MAXIMUM @ (C, $\gamma$ )	165,67.0	$\eta$ house_down (%)	26.7
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	$\eta$ down (%)	100.0	SLI	23.314

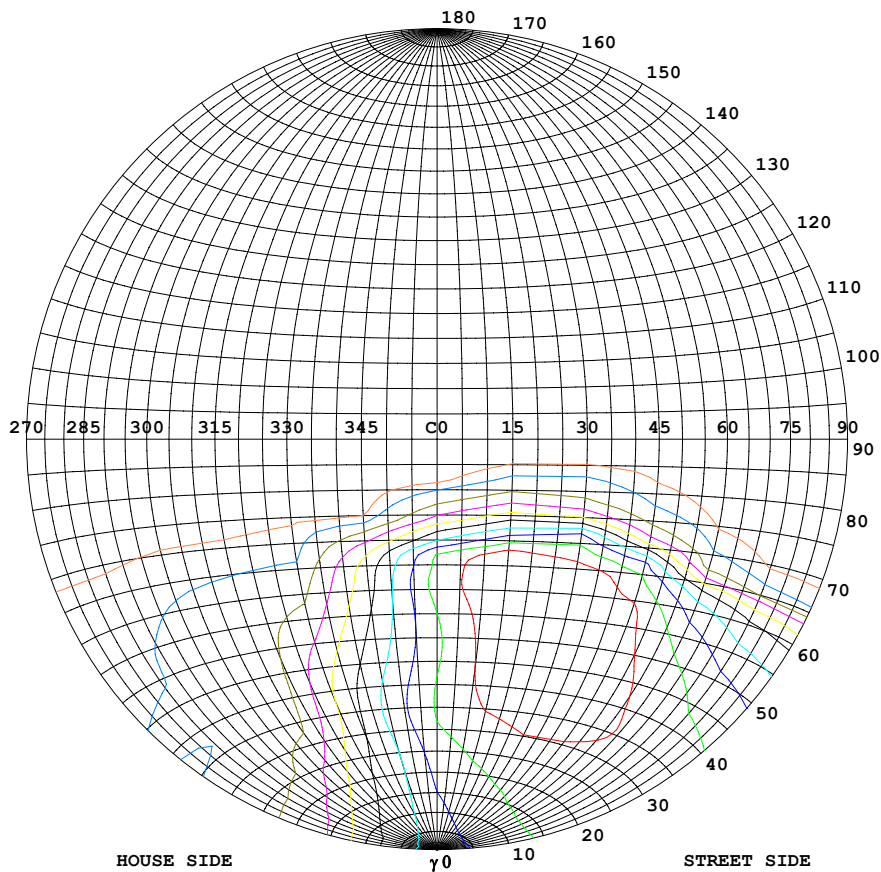
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2019-11-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:219.0V I:3.236A P:704.4W PF:0.9941 Freq:49.99Hz Lamp Flux:93093.1x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:26kg
SPEC.:AOK-720WINM-NV-Y2-00-4070-T3M-P	DIM.: $\Phi$ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 530mm	Shielding Angle:



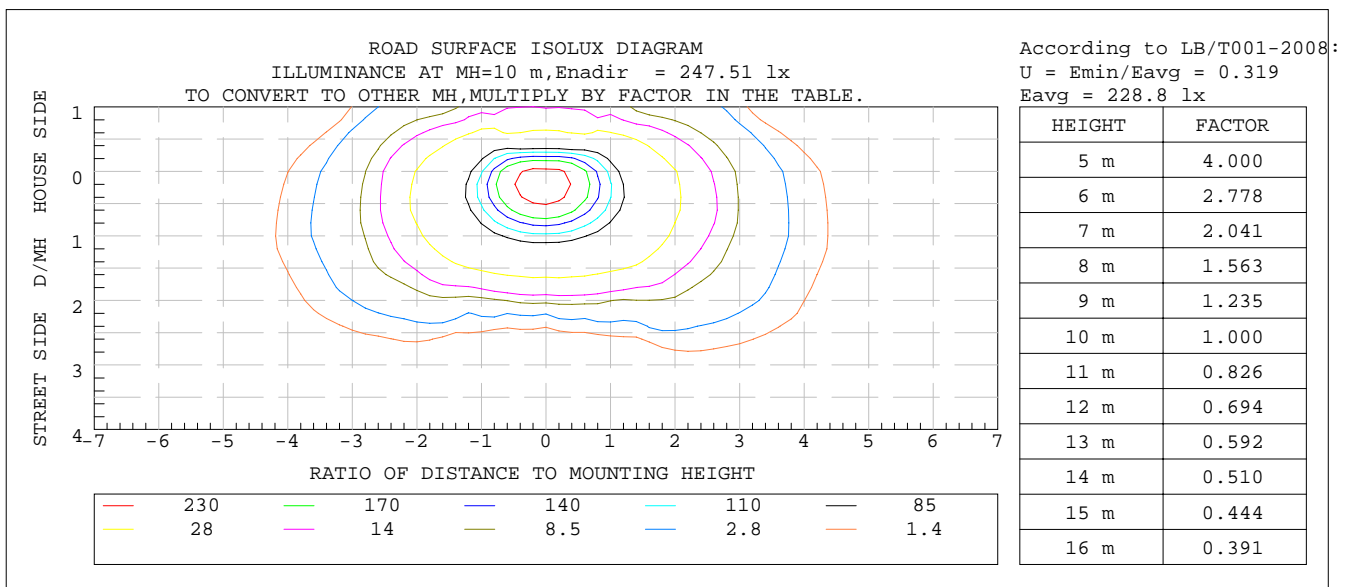
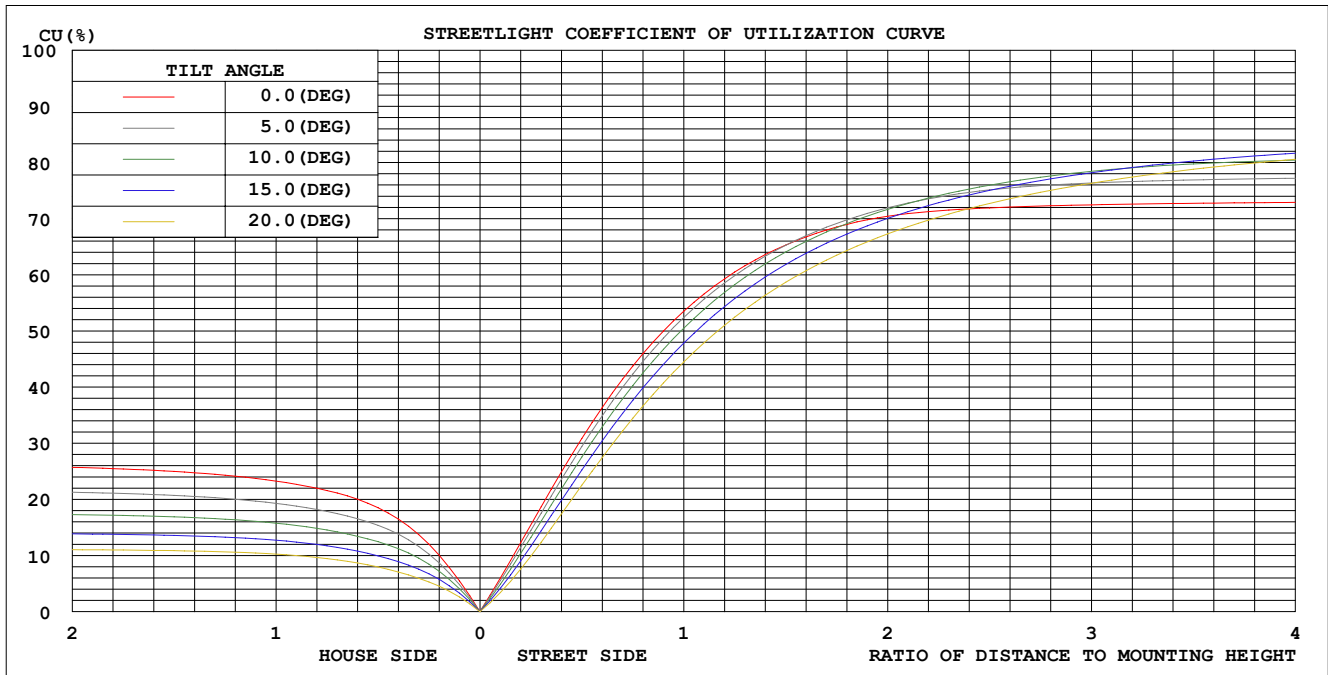
## Classification:

IES:Type III - Medium  
 CIE:Average - Intermediate  
 IES:Semi cut-off  
 CIE:Non-cut-off  
 Max.At80:100.2cd/klm  
 Max.At90:0cd/klm  
 Max.80-90:100.2cd/klm  
 NRB 5101:Limited[8.3%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	38517
90%	34665
80%	30813
70%	26962
60%	23110
50%	19258
40%	15407
30%	11555
20%	7703
10%	3852
5%	1926

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-11-05

gamma Range: 0 - 180DEG  
 gamma 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: 2019-11-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:219.0V I:3.236A P:704.4W PF:0.9941 Freq:49.99Hz Lamp Flux:93093.1x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:26kg
SPEC.:AOK-720WINM-NV-Y2-00-4070-T3M-P	DIM.: $\phi$ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 530mm	Shielding Angle:

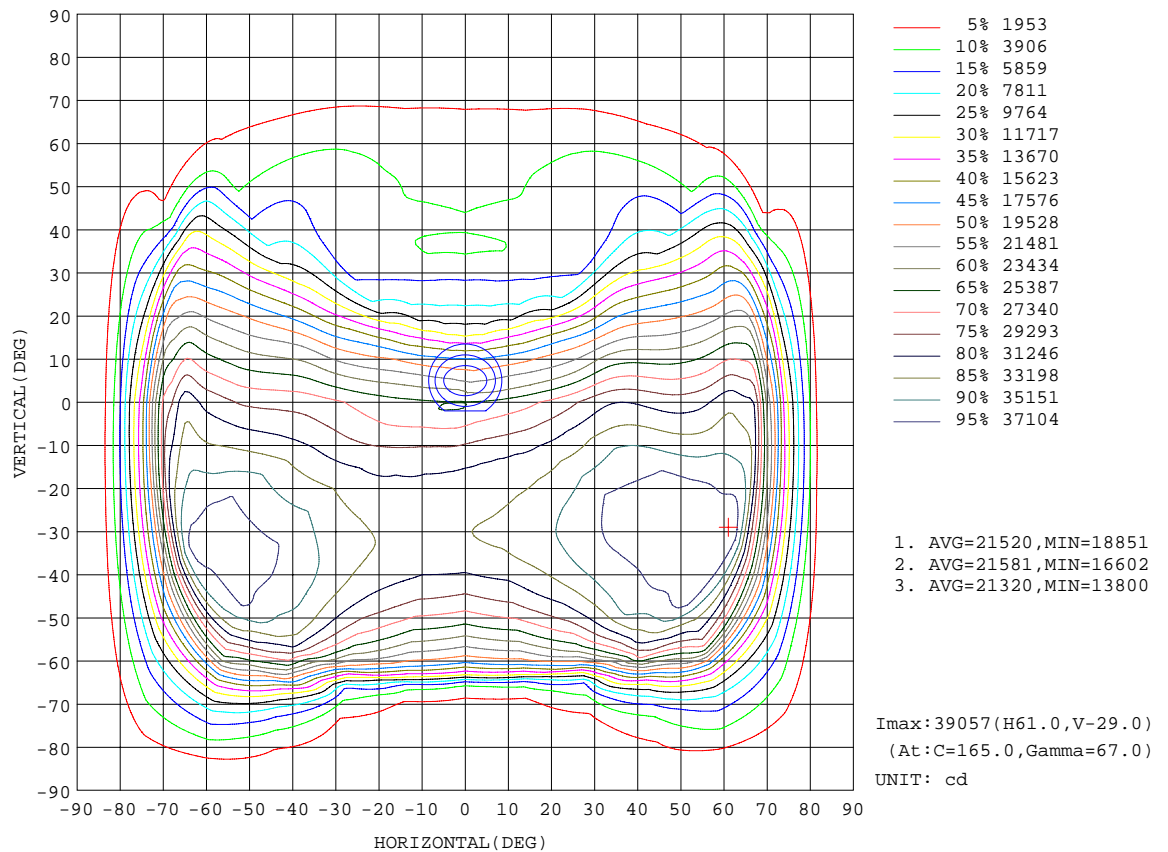
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum,lamp
10	2568	2861	2965	2823	2513	2022	1776	2054	0- 10	2352	2352	2.53,2.53
20	2724	3180	3234	3110	2576	1449	888.5	1529	10- 20	6747	9099	9.77,9.77
30	2974	3417	3334	3263	2704	837.8	513.9	923.7	20- 30	10612	19711	21.2,21.2
40	3037	3602	3126	3432	2803	524.3	397.6	570.6	30- 40	14142	33853	36.4,36.4
50	2958	3590	2647	3534	2830	498.7	332.8	537.7	40- 50	17042	50895	54.7,54.7
60	3177	3404	1829	3470	3000	530.2	283.3	534.8	50- 60	18540	69435	74.6,74.6
70	2237	1807	145.7	2252	2716	238.9	171.5	226.5	60- 70	16009	85444	91.8,91.8
80	366.3	274.2	56.77	400.3	566.2	101.2	70.28	89.33	70- 80	6589	92033	98.9,98.9
90	0	0	0	0	0	0	0	0	80- 90	1060	93093	100,100
100	0	0	0	0	0	0	0	0	90-100	0	93093	100,100
110	0	0	0	0	0	0	0	0	100-110	0	93093	100,100
120	0	0	0	0	0	0	0	0	110-120	0	93093	100,100
130	0	0	0	0	0	0	0	0	120-130	0	93093	100,100
140	0	0	0	0	0	0	0	0	130-140	0	93093	100,100
150	0	0	0	0	0	0	0	0	140-150	0	93093	100,100
160	0	0	0	0	0	0	0	0	150-160	0	93093	100,100
170	0	0	0	0	0	0	0	0	160-170	0	93093	100,100
180	0	0	0	0	0	0	0	0	170-180	0	93093	100,100
DEG	LUMINOUS INTENSITY: $\times$ 10cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2019-11-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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

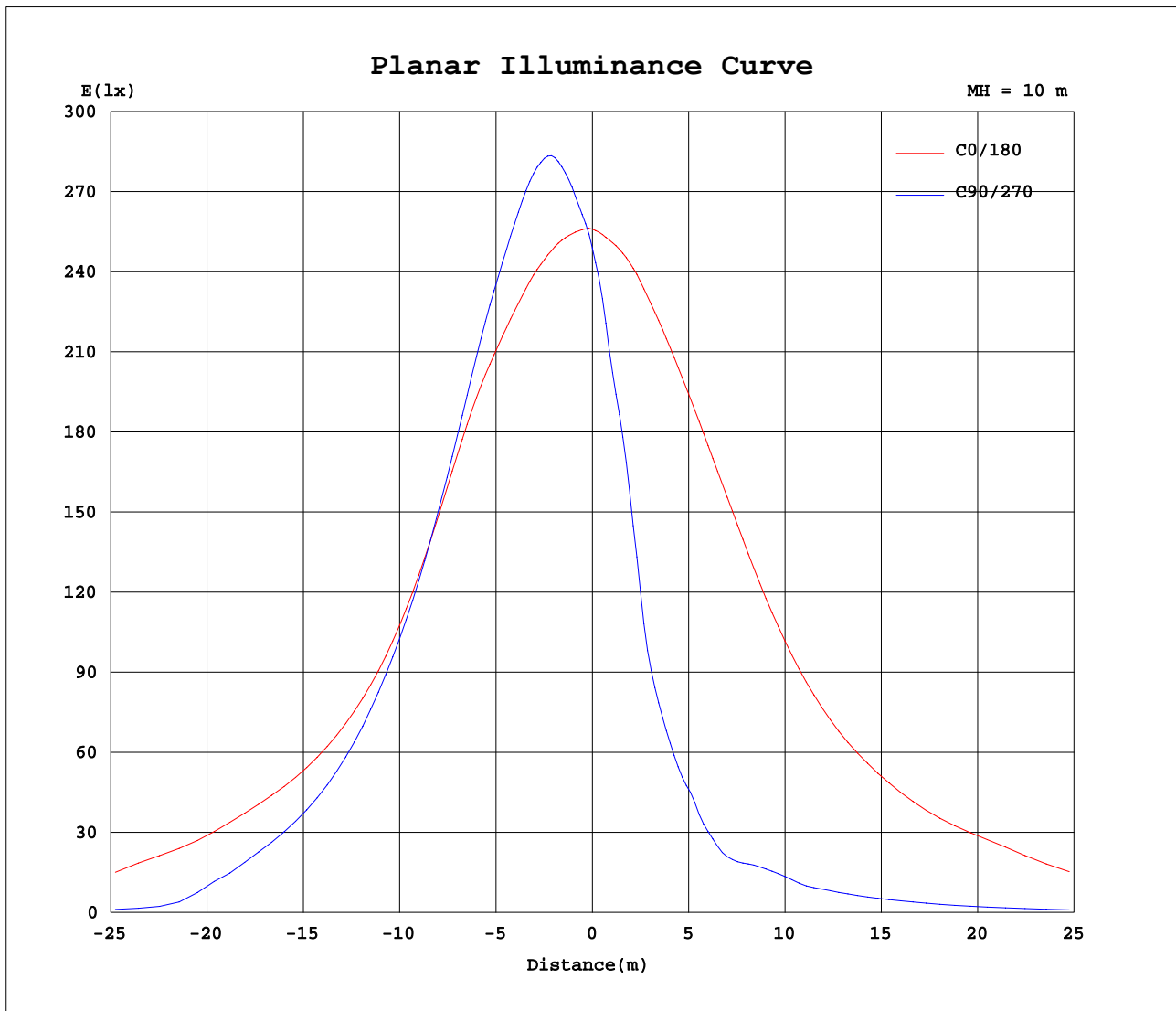
Test:U:219.0V I:3.236A P:704.4W PF:0.9941 Freq:49.99Hz Lamp Flux:93093.1x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:26kg
SPEC.:AOK-720WINM-NV-Y2-00-4070-T3M-P	DIM.: $\Phi$ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 530mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2019-11-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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



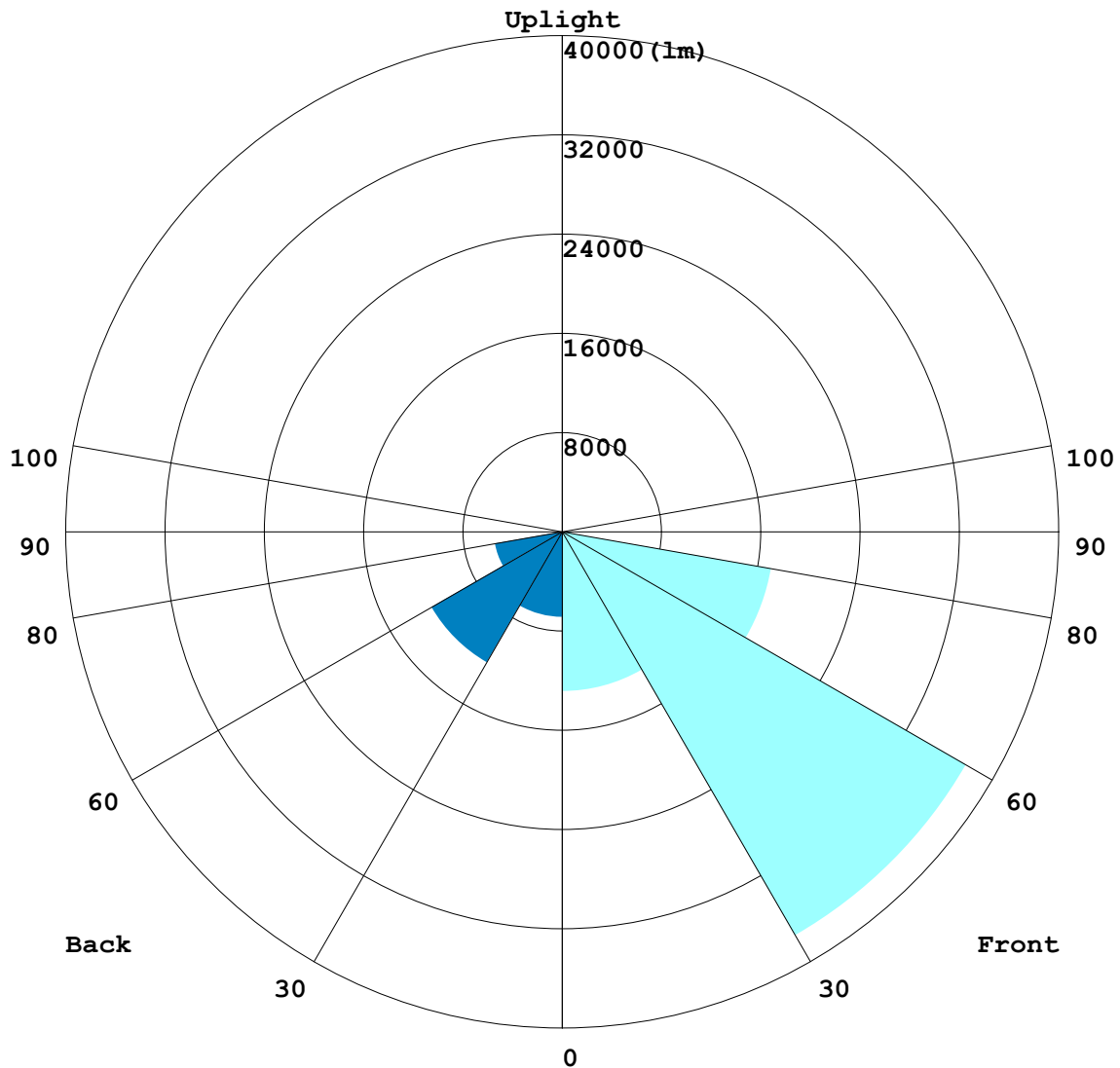
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2019-11-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:219.0V I:3.236A P:704.4W PF:0.9941 Freq:49.99Hz Lamp Flux:93093.1x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:26kg
SPEC.:AOK-720WINM-NV-Y2-00-4070-T3M-P	DIM.: $\phi$ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 530mm	Shielding Angle:

## LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2019-11-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:219.0V I:3.236A P:704.4W PF:0.9941 Freq:49.99Hz Lamp Flux:93093.1x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:26kg
SPEC.:AOK-720WINM-NV-Y2-00-4070-T3M-P	DIM.: $\phi$ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 530mm	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	12844	13.8
FM - Front-Medium(30-60)	37561	40.3
FH - Front-High(60-80)	17098	18.4
FVH - Front-Very High(80-90)	778.89	0.8
Total Forward Light	68282	73.3

BL - Back-Low(0-30)	6867	7.4
BM - Back-Medium(30-60)	12163	13.1
BH - Back-High(60-80)	5499.6	5.9
BVH - Back-Very High(80-90)	281.51	0.3
Total Back Light	24811	26.7

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	B5-U0-G?
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	24811	0	24811
Street Side	68282	0	68282

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2019-11-05

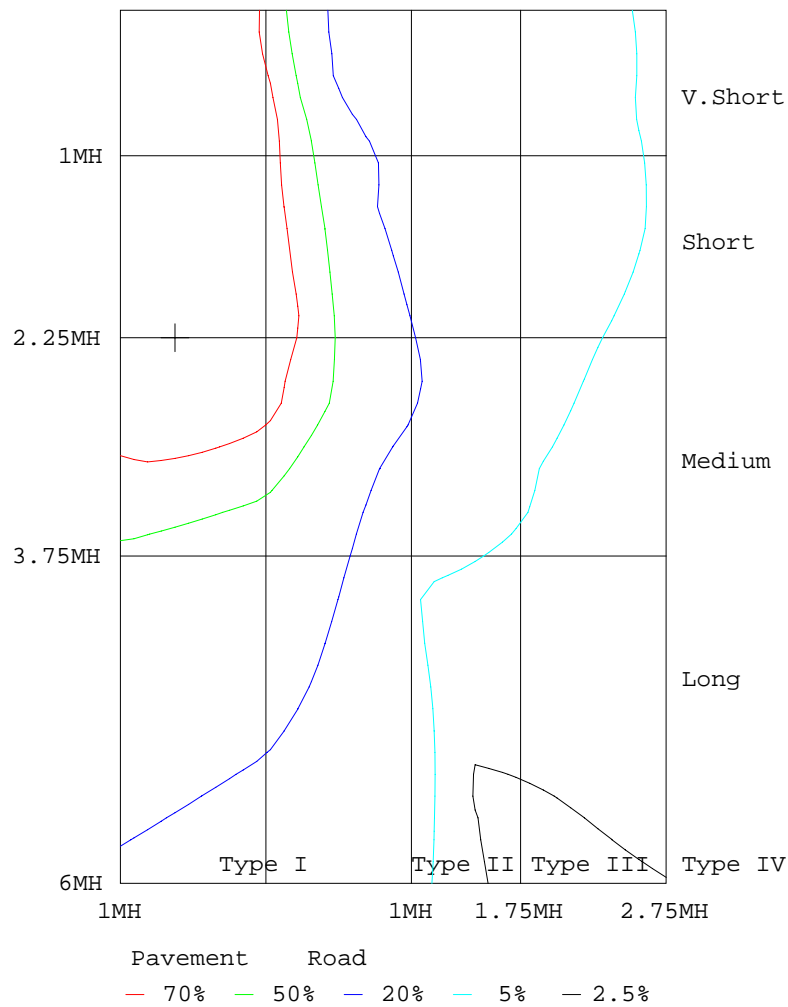
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.801m [K=1.0000]  
Remarks:



### ROAD ISOCANDELA REPORT

Test:U:219.0V I:3.236A P:704.4W PF:0.9941 Freq:49.99Hz Lamp Flux:93093.1x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:26kg
SPEC.:AOK-720WINM-NV-Y2-00-4070-T3M-P	DIM.: $\Phi 550 \times 200$ mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi 530$ mm	Shielding Angle:

### ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2019-11-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:219.0V I:3.236A P:704.4W PF:0.9941 Freq:49.99Hz Lamp Flux:93093.1x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:26kg
SPEC.:AOK-720WINM-NV-Y2-00-4070-T3M-P	DIM.: $\phi$ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 530mm	Shielding Angle:

Table--1

UNIT:  $\times 10\text{cd}$ 

C (DEG) $\gamma$ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	2505	2505	2505	2505	2505	2505	2505	2505	2505	2505	2505	2505	2505	2505	2505	2505	2505	2505	2505
5	2522	2583	2632	2674	2703	2722	2731	2714	2691	2650	2607	2555	2493	2426	2357	2277	2215	2157	2146
10	2568	2678	2774	2861	2919	2957	2965	2935	2895	2823	2737	2637	2513	2356	2194	2022	1888	1796	1776
15	2635	2789	2925	3047	3098	3132	3138	3118	3078	2985	2856	2709	2536	2307	2050	1749	1494	1271	1209
20	2724	2929	3087	3180	3215	3232	3234	3213	3176	3110	2966	2790	2576	2254	1907	1449	1076	912	889
25	2837	3088	3246	3301	3300	3294	3292	3271	3234	3191	3086	2890	2633	2201	1741	1168	802	704	686
30	2974	3258	3405	3417	3379	3347	3334	3310	3299	3263	3207	3009	2704	2166	1587	838	633	542	514
35	3053	3423	3566	3523	3428	3315	3273	3292	3343	3351	3339	3139	2769	2177	1418	638	482	396	383
40	3037	3548	3693	3602	3383	3201	3126	3187	3327	3432	3482	3280	2803	2172	1298	524	394	396	398
45	2978	3621	3754	3624	3297	3027	2922	3028	3245	3503	3604	3431	2813	2093	1186	492	438	412	385
50	2958	3673	3752	3590	3134	2802	2647	2799	3127	3534	3722	3592	2830	2004	1022	499	472	361	333
55	3016	3730	3752	3547	2892	2448	2295	2478	2922	3525	3807	3734	2900	1922	798	546	436	352	311
60	3177	3758	3743	3404	2494	1994	1829	2061	2575	3470	3809	3804	3000	1808	620	530	404	323	283
65	3113	3839	3652	3030	1475	727	531	1035	1823	3195	3777	3817	3178	1618	440	390	325	263	234
70	2237	2928	2983	1807	437	164	146	198	517	2252	3167	3509	2716	1298	267	239	214	178	172
75	1114	1667	1528	657	175	95.0	94.5	98.5	212	955	2028	1970	1431	313	184	159	143	121	118
80	366	714	626	274	76.3	61.2	56.8	64.3	96.1	400	866	932	566	82.6	119	101	86.1	69.3	70.3
85	30.8	201	204	115	32.3	27.7	27.7	31.0	40.8	143	313	340	81.2	43.0	66.9	48.1	47.6	31.7	33.3
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:2019-11-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:219.0V I:3.236A P:704.4W PF:0.9941 Freq:49.99Hz Lamp Flux:93093.1x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:26kg
SPEC.:AOK-720WINM-NV-Y2-00-4070-T3M-P	DIM.: $\phi$ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 530mm	Shielding Angle:

Table--2

UNIT:  $\times 10\text{cd}$ 

$\gamma$ (DEG) \ C (DEG)	285	300	315	330	345														
0	2505	2505	2505	2505	2505														
5	2150	2213	2274	2360	2438														
10	1801	1913	2054	2232	2398														
15	1288	1534	1807	2106	2372														
20	917	1121	1529	1982	2349														
25	713	823	1258	1859	2346														
30	544	655	924	1710	2401														
35	406	505	687	1590	2453														
40	411	426	571	1535	2376														
45	425	471	532	1396	2233														
50	375	498	538	1188	2103														
55	365	456	566	929	1984														
60	333	412	535	700	1848														
65	264	315	382	461	1730														
70	176	209	226	267	1104														
75	116	139	146	170	196														
80	65.9	82.3	89.3	109	73.7														
85	28.5	39.4	38.7	52.2	34.9														
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:2019-11-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.801m [K=1.0000]  
Remarks: