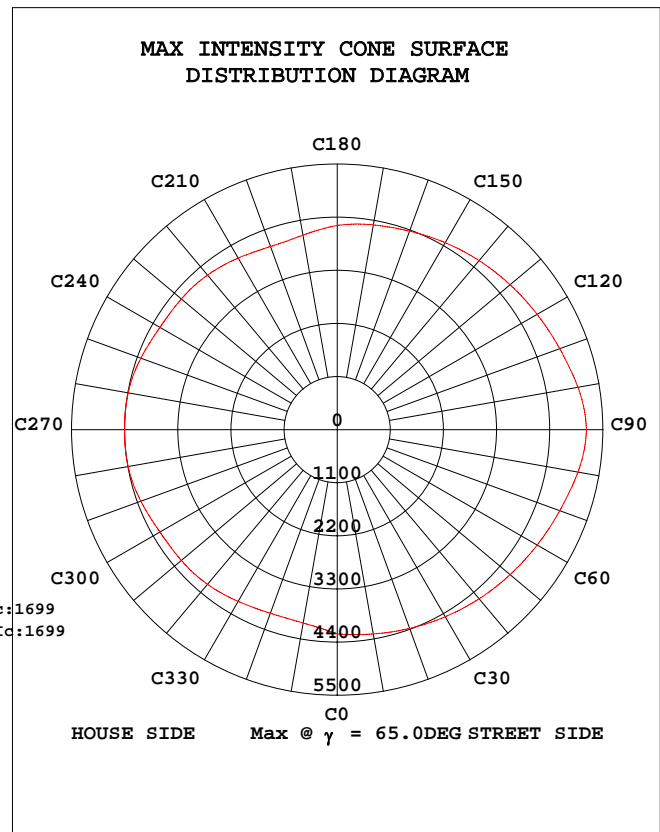
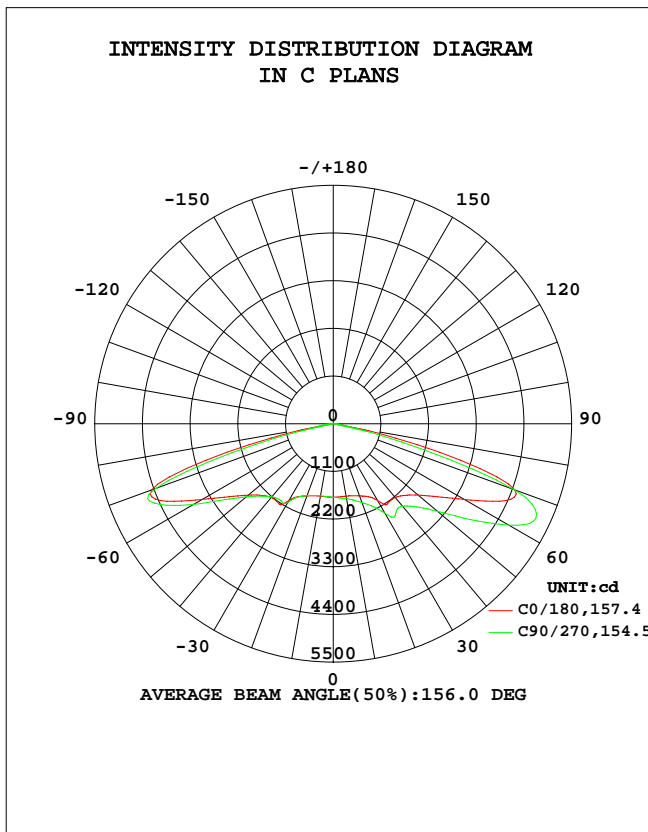


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:479.0V I:0.2149A P:97.16W PF:0.9439 Freq:60.01Hz Lamp Flux:15172.6x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-100WPLA-HVS-L2-00-5070-T501-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 156.16 lm/W			
MODEL	2835	Imax(cd)	5158	η street_up(%)	0.0
NOMINAL POWER(W)	100	LOR(%)	100.0	η street_down(%)	51.9
RATED VOLTAGE(V)	480	TOTAL FLUX(lm)	15173	η house_up(%)	0.0
NOMINAL FLUX(lm)	15172.6	MAXIMUM @(C, γ)	90,65.0	η house_down(%)	48.1
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	480	η down(%)	100.0	SLI	19.561

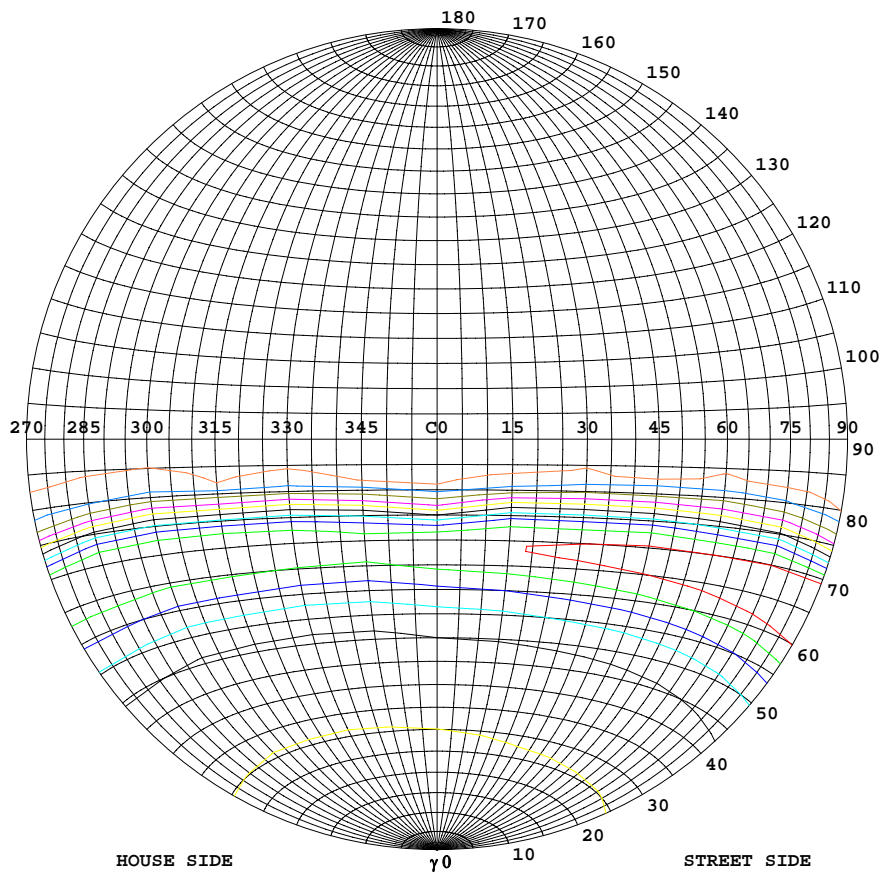


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-11

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

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:479.0V I:0.2149A P:97.16W PF:0.9439 Freq:60.01Hz Lamp Flux:15172.6x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-100WPLA-HVS-L2-00-5070-T501-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:



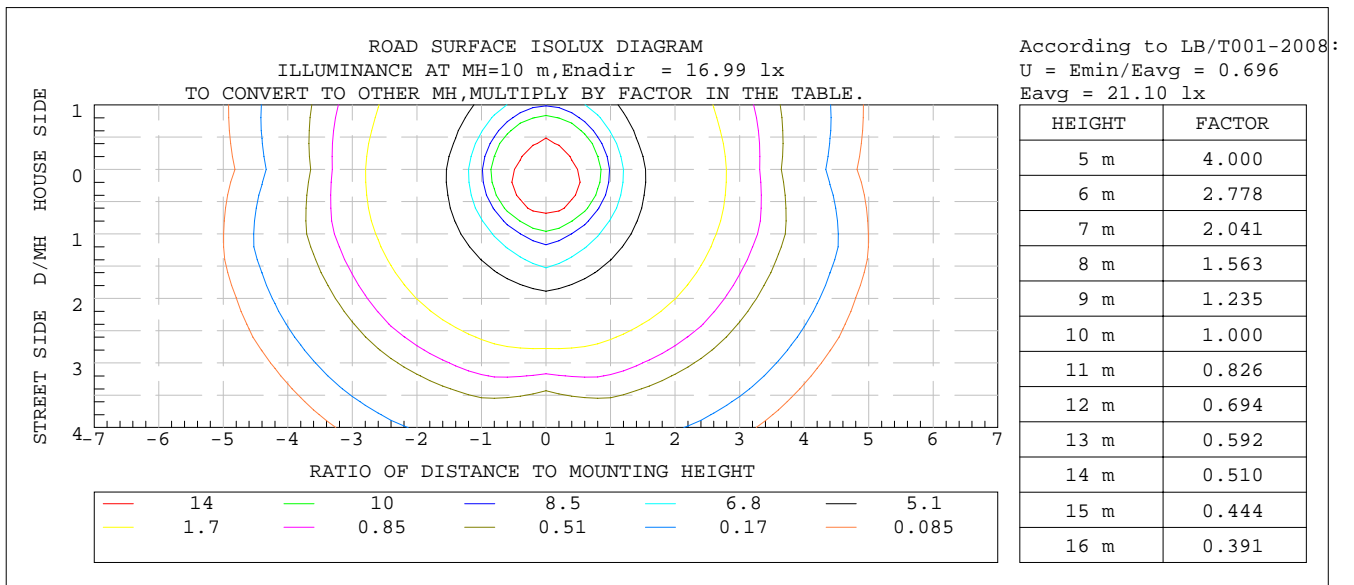
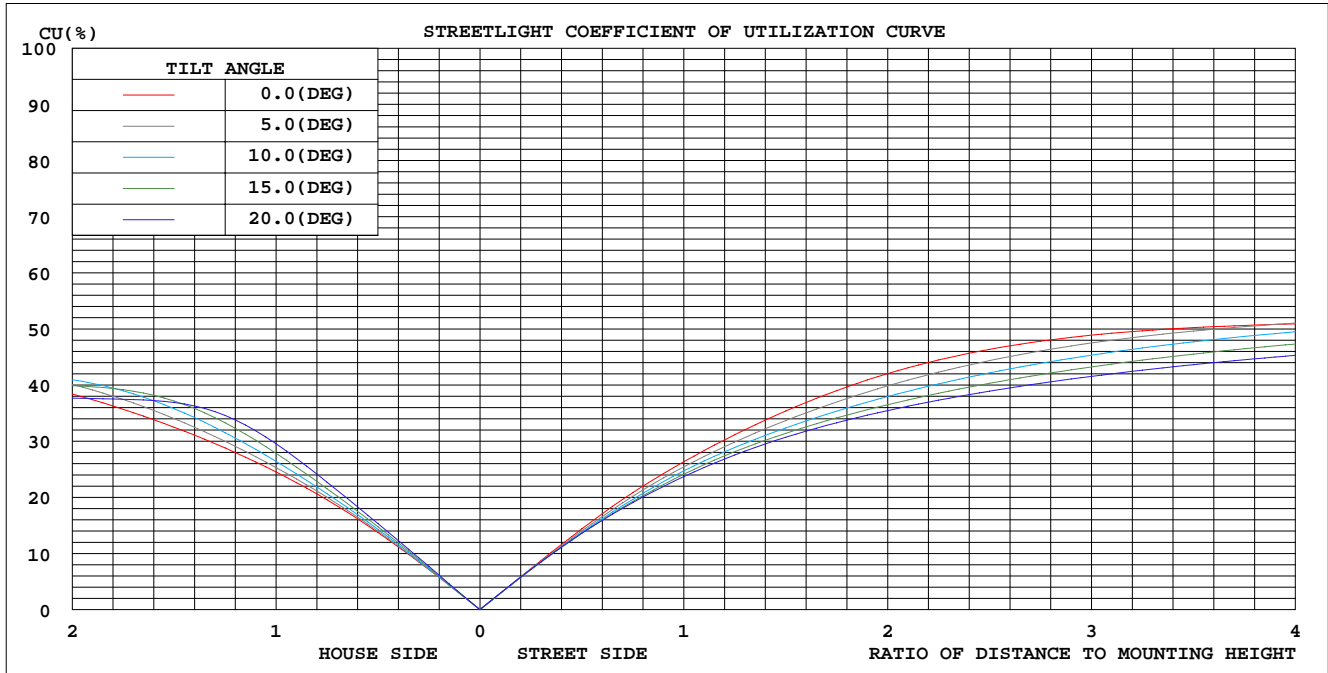
Classification:

IES:Type V - Very Short
CIE:Broad - Intermediate
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:64.13cd/klm
Max.At90:0cd/klm
Max.80-90:64.13cd/klm
NRB 5101:Semi limited[18.9%]

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:2022-12-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-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: 2022-12-11

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

ZONAL FLUX DIAGRAM

Test:U:479.0V I:0.2149A P:97.16W PF:0.9439 Freq:60.01Hz Lamp Flux:15172.6x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-100WPLA-HVS-L2-00-5070-T501-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

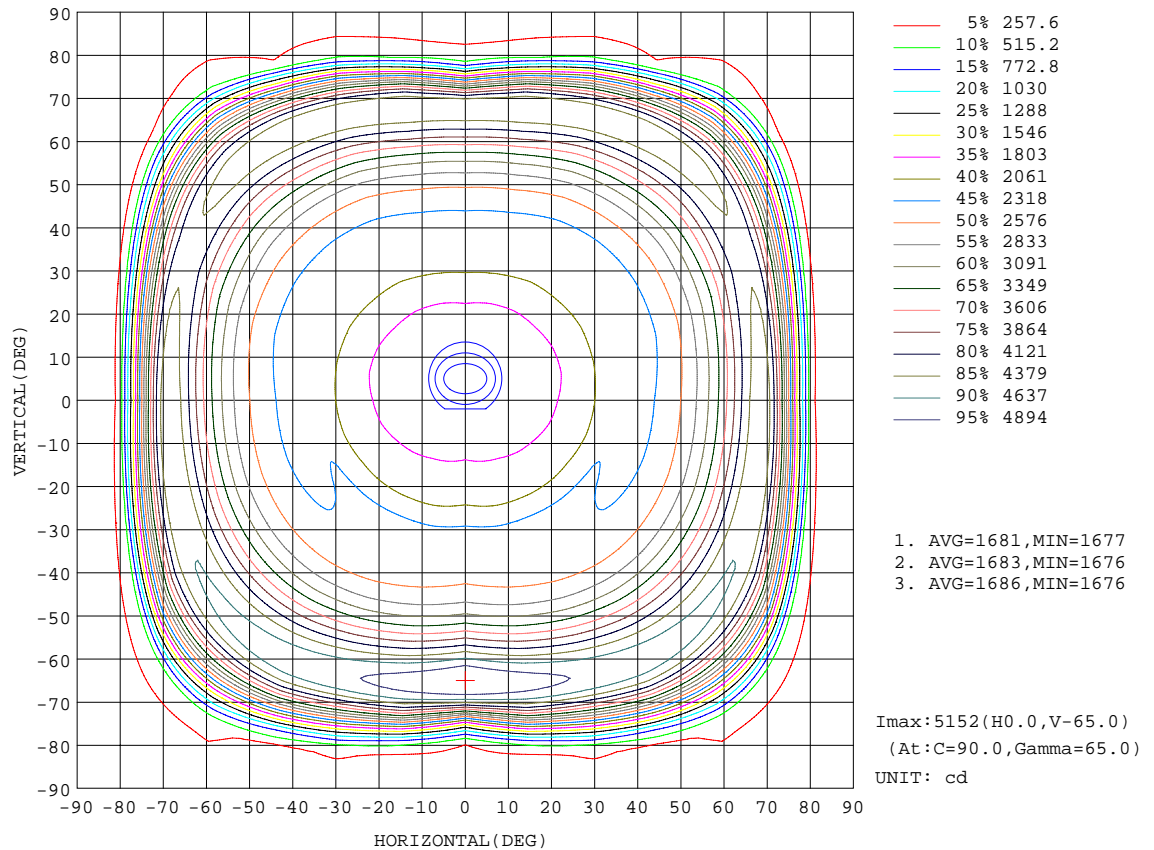
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
10	1698	1729	1755	1729	1698	1682	1687	1682	0- 10	162.3	162.3	1.07,1.07
20	1772	1852	1934	1852	1772	1754	1767	1754	10- 20	496.4	658.7	4.34,4.34
30	2044	2242	2385	2242	2044	2022	2094	2022	20- 30	897.9	1557	10.3,10.3
40	2222	2342	2484	2342	2222	2149	2205	2149	30- 40	1408	2965	19.5,19.5
50	2563	2744	3148	2744	2563	2492	2621	2492	40- 50	1873	4837	31.9,31.9
60	3497	3929	4675	3929	3497	3468	3722	3468	50- 60	2819	7657	50.5,50.5
70	4454	4688	4439	4688	4454	4558	4350	4558	60- 70	4309	11966	78.9,78.9
80	366.1	834.3	252.3	834.3	366.1	752.3	317.0	752.3	70- 80	2969	14934	98.4,98.4
90	0	0	0	0	0	0	0	0	80- 90	238.1	15173	100,100
100	0	0	0	0	0	0	0	0	90-100	0	15173	100,100
110	0	0	0	0	0	0	0	0	100-110	0	15173	100,100
120	0	0	0	0	0	0	0	0	110-120	0	15173	100,100
130	0	0	0	0	0	0	0	0	120-130	0	15173	100,100
140	0	0	0	0	0	0	0	0	130-140	0	15173	100,100
150	0	0	0	0	0	0	0	0	140-150	0	15173	100,100
160	0	0	0	0	0	0	0	0	150-160	0	15173	100,100
170	0	0	0	0	0	0	0	0	160-170	0	15173	100,100
180	0	0	0	0	0	0	0	0	170-180	0	15173	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:2022-12-11

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

ISOCANDELA DIAGRAM

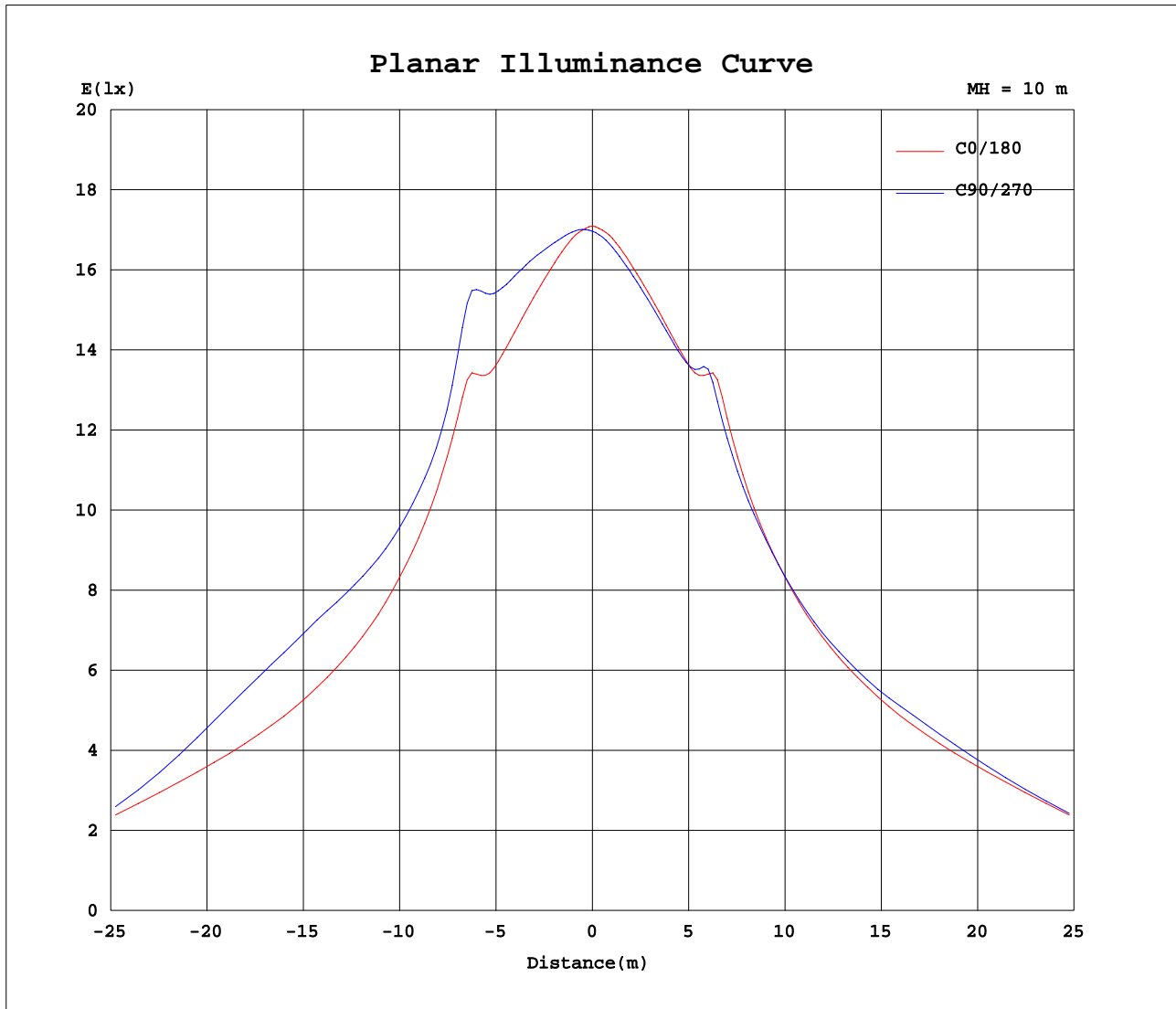
Test:U:479.0V I:0.2149A P:97.16W PF:0.9439 Freq:60.01Hz Lamp Flux:15172.6x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-100WPLA-HVS-L2-00-5070-T501-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-11

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

Planar Illuminance Curve



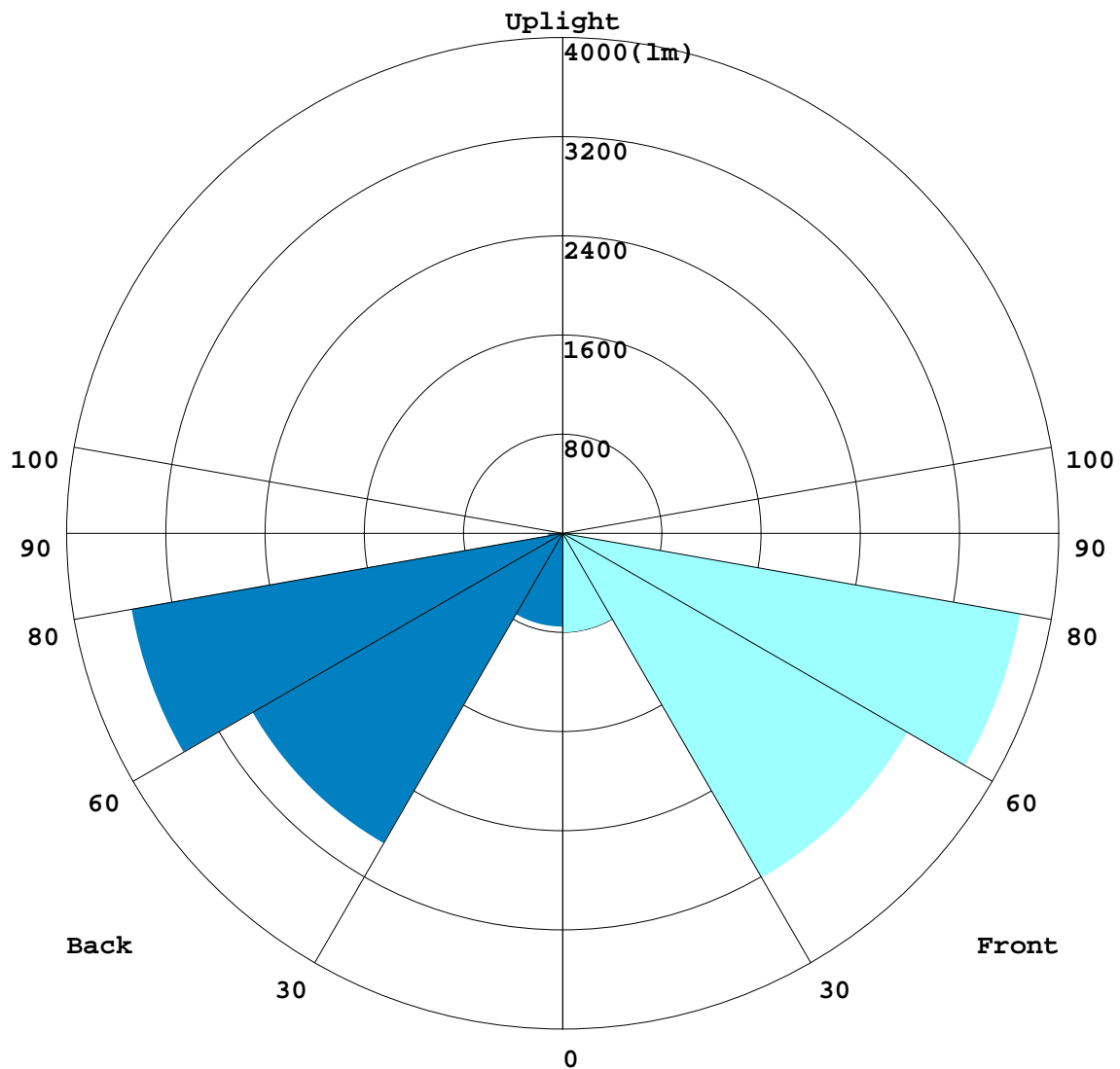
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-12-11

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

LCS REPORT

Test:U:479.0V I:0.2149A P:97.16W PF:0.9439 Freq:60.01Hz Lamp Flux:15172.6x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-100WPLA-HVS-L2-00-5070-T501-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-11

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

BUG REPORT

Test:U:479.0V I:0.2149A P:97.16W PF:0.9439 Freq:60.01Hz Lamp Flux:15172.6x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-100WPLA-HVS-L2-00-5070-T501-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	801.84	5.3
FM - Front-Medium(30-60)	3211.1	21.2
FH - Front-High(60-80)	3747.2	24.7
FVH - Front-Very High(80-90)	120.83	0.8
Total Forward Light	7880.9	51.9

BL - Back-Low(0-30)	754.8	5.0
BM - Back-Medium(30-60)	2888.8	19.0
BH - Back-High(60-80)	3530.7	23.3
BVH - Back-Very High(80-90)	117.29	0.8
Total Back Light	7291.7	48.1

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	B4-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7291.7	0	7291.7
Street Side	7880.9	0	7880.9

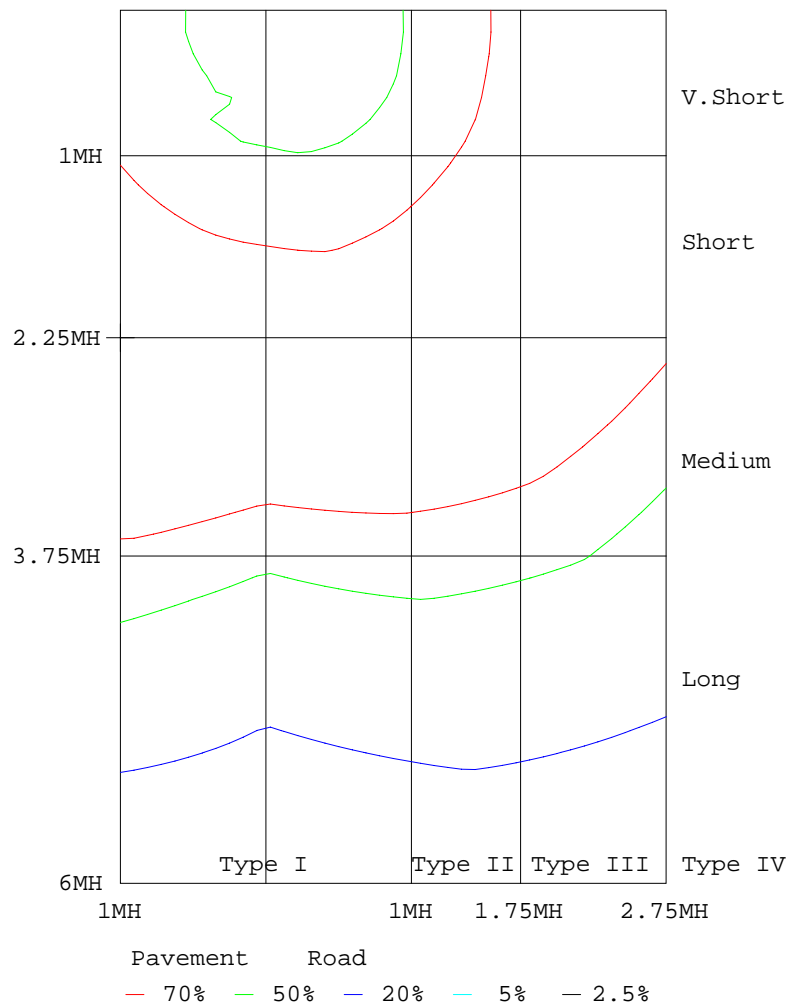
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-11

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

ROAD ISOCANDELA REPORT

Test:U:479.0V I:0.2149A P:97.16W PF:0.9439 Freq:60.01Hz Lamp Flux:15172.6x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-100WPLA-HVS-L2-00-5070-T501-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-11

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:479.0V I:0.2149A P:97.16W PF:0.9439 Freq:60.01Hz Lamp Flux:15172.6x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-100WPLA-HVS-L2-00-5070-T501-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

Table--1

UNIT: cd

C(°) γ (°)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1699	1699	1699	1699	1699	1699	1699	1699	1699	1699	1699	1699	1699	1699	1699	1699	1699	1699	1699
5	1696	1700	1705	1709	1714	1716	1719	1716	1714	1709	1705	1700	1696	1691	1688	1686	1684	1684	1687
10	1698	1708	1720	1729	1740	1746	1755	1746	1740	1729	1720	1708	1698	1691	1685	1682	1682	1683	1687
15	1722	1737	1758	1775	1795	1809	1826	1809	1795	1775	1758	1737	1722	1712	1703	1702	1700	1706	1713
20	1772	1793	1824	1852	1886	1909	1934	1909	1886	1852	1824	1793	1772	1761	1752	1754	1749	1756	1767
25	1855	1887	1942	1986	2024	2051	2092	2051	2024	1986	1942	1887	1855	1843	1838	1847	1840	1846	1859
30	2044	2109	2200	2242	2292	2317	2385	2317	2292	2242	2200	2109	2044	2008	2003	2022	2022	2056	2094
35	2222	2276	2324	2379	2425	2490	2520	2490	2425	2379	2324	2276	2222	2177	2138	2121	2113	2125	2147
40	2222	2259	2301	2342	2375	2428	2484	2428	2375	2342	2301	2259	2222	2184	2157	2149	2150	2180	2205
45	2340	2365	2412	2461	2527	2611	2710	2611	2527	2461	2412	2365	2340	2288	2268	2269	2288	2340	2362
50	2563	2599	2669	2744	2843	2978	3148	2978	2843	2744	2669	2599	2563	2484	2474	2492	2513	2594	2621
55	2938	2998	3120	3235	3399	3594	3852	3594	3399	3235	3120	2998	2938	2840	2824	2869	2897	3015	3054
60	3497	3597	3769	3929	4137	4364	4675	4364	4137	3929	3769	3597	3497	3333	3380	3468	3506	3667	3722
65	4230	4336	4473	4621	4780	4976	5158	4976	4780	4621	4473	4336	4230	4043	4104	4204	4239	4373	4406
70	4454	4554	4621	4688	4641	4636	4439	4636	4641	4688	4621	4554	4454	4304	4491	4558	4569	4566	4350
75	2542	3353	3290	3271	2969	2670	1637	2670	2969	3271	3290	3353	2542	3055	3311	3198	3171	2760	1877
80	366	765	973	834	859	557	252	557	859	834	973	765	366	739	869	752	764	450	317
85	161	190	244	163	210	147	118	147	210	163	244	190	161	185	231	183	264	222	168
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:2022-12-11

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:479.0V I:0.2149A P:97.16W PF:0.9439 Freq:60.01Hz Lamp Flux:15172.6x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-100WPLA-HVS-L2-00-5070-T501-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345													
0	1699	1699	1699	1699	1699													
5	1684	1684	1686	1688	1691													
10	1683	1682	1682	1685	1691													
15	1706	1700	1702	1703	1712													
20	1756	1749	1754	1752	1761													
25	1846	1840	1847	1838	1843													
30	2056	2022	2022	2003	2008													
35	2125	2113	2121	2138	2177													
40	2180	2150	2149	2157	2184													
45	2340	2288	2269	2268	2288													
50	2594	2513	2492	2474	2484													
55	3015	2897	2869	2824	2840													
60	3667	3506	3468	3380	3333													
65	4373	4239	4204	4104	4043													
70	4566	4569	4558	4491	4304													
75	2760	3171	3198	3311	3055													
80	450	764	752	869	739													
85	222	264	183	231	185													
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:2022-12-11

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