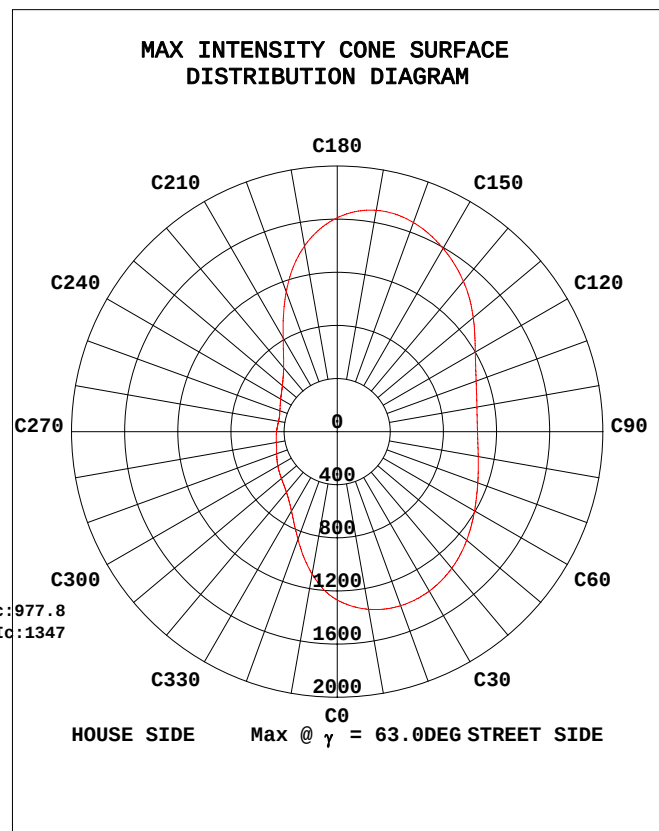
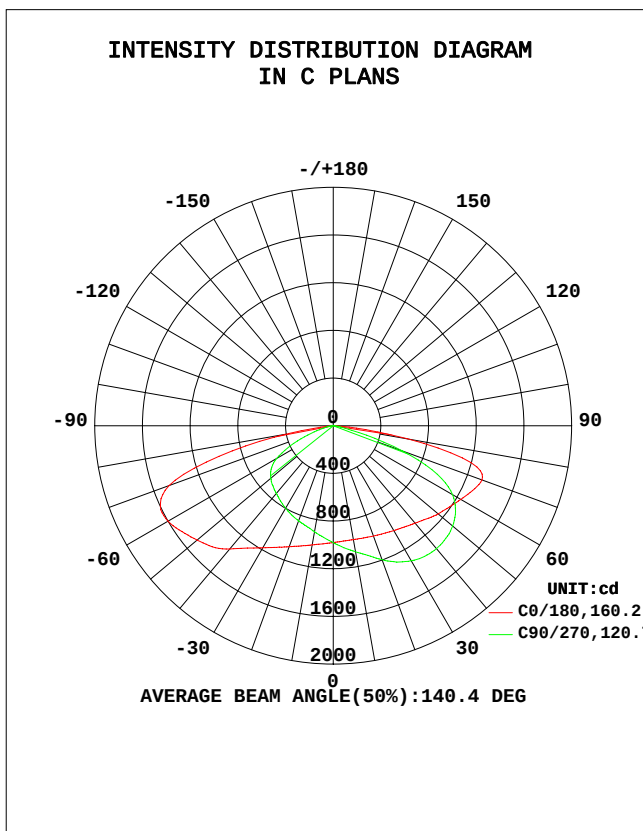


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.4V I:0.1456A P:30.81W PF:0.9644 Freq:60.01Hz Lamp Flux:4967.8x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-30WILA-NV-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 161.25 lm/W			
MODEL	3030	I _{max} (cd)	1696	η street_up(%)	0.0
NOMINAL POWER(W)	30	LOR(%)	100.0	η street_down(%)	61.8
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	4968	η house_up(%)	0.0
NOMINAL FLUX(lm)	4967.8	MAXIMUM @(C,γ)	165,63.0	η house_down(%)	38.2
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	20.896

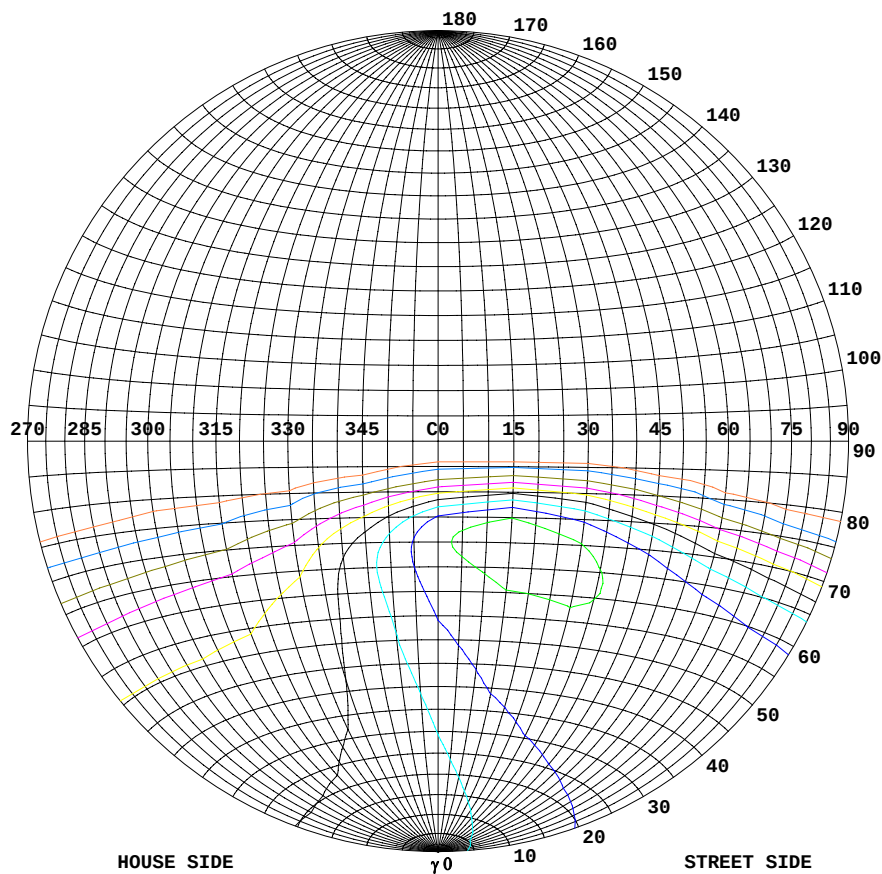


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-07-20

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:219.4V I:0.1456A P:30.81W PF:0.9644 Freq:60.01Hz Lamp Flux:4967.8x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-30WiLA-NV-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:



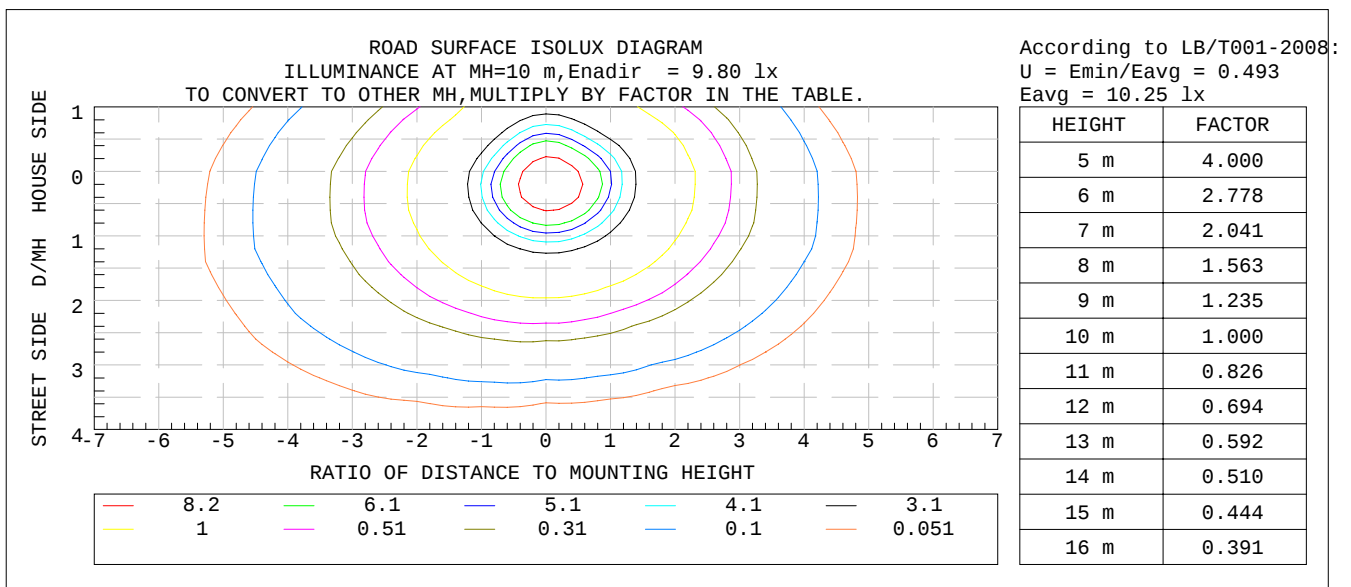
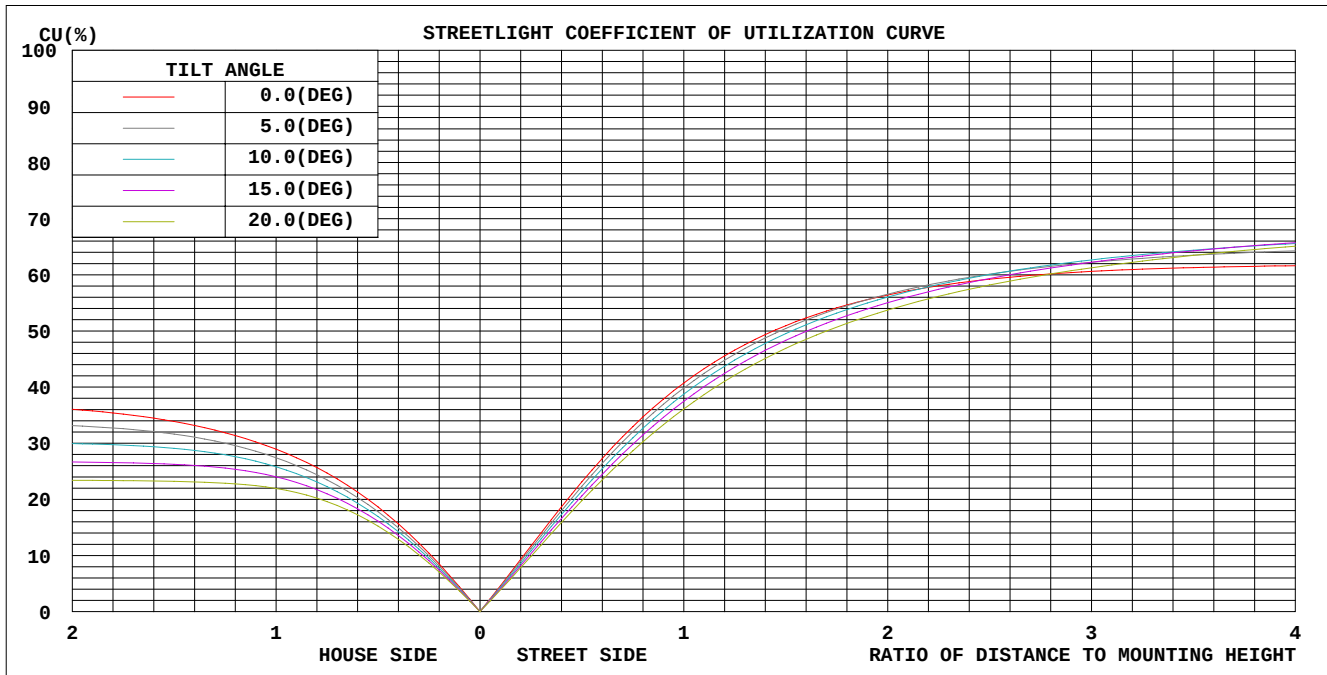
Classification:

IES:Type III - Short
CIE:Average - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:163.2cd/klm
Max.At90:0cd/klm
Max.80-90:163.2cd/klm
NRB 5101:Semi limited[25.7%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1696
90%	1526
80%	1356
70%	1187
60%	1017
50%	848
40%	678
30%	509
20%	339
10%	170
5%	85

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-07-20

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: 2022-07-20

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:219.4V I:0.1456A P:30.81W PF:0.9644 Freq:60.01Hz Lamp Flux:4967.8x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-30WILA-NV-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

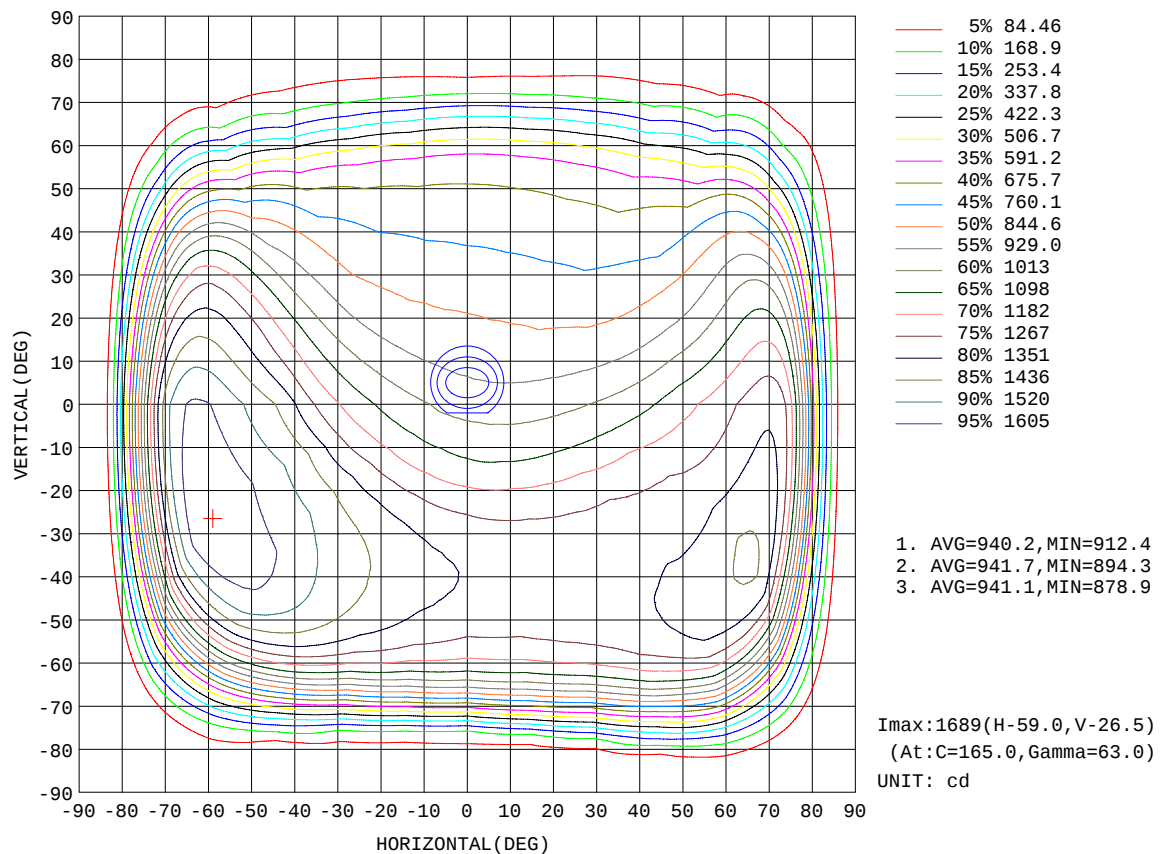
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	970.7	1035	1073	1071	1015	942.0	903.7	915.5	0- 10	94.08	94.08	1.89,1.89
20	985.1	1117	1195	1197	1079	908.4	850.0	864.8	10- 20	285.5	379.6	7.64,7.64
30	1016	1230	1308	1353	1182	873.4	799.3	816.4	20- 30	486.3	865.8	17.4,17.4
40	1067	1307	1346	1461	1350	841.7	743.0	764.3	30- 40	686.9	1553	31.3,31.3
50	1150	1337	1307	1509	1492	789.2	684.6	708.0	40- 50	865.6	2418	48.7,48.7
60	1235	1330	1155	1474	1601	654.3	548.5	619.2	50- 60	989.3	3407	68.6,68.6
70	1327	1154	616.9	1053	1465	295.8	228.0	344.0	60- 70	955.4	4363	87.8,87.8
80	632.4	345.0	63.98	166.4	376.6	50.54	43.12	67.56	70- 80	540.1	4903	98.7,98.7
90	0	0	0	0	0	0	0	0	80- 90	64.73	4968	100,100
100	0	0	0	0	0	0	0	0	90-100	0	4968	100,100
110	0	0	0	0	0	0	0	0	100-110	0	4968	100,100
120	0	0	0	0	0	0	0	0	110-120	0	4968	100,100
130	0	0	0	0	0	0	0	0	120-130	0	4968	100,100
140	0	0	0	0	0	0	0	0	130-140	0	4968	100,100
150	0	0	0	0	0	0	0	0	140-150	0	4968	100,100
160	0	0	0	0	0	0	0	0	150-160	0	4968	100,100
170	0	0	0	0	0	0	0	0	160-170	0	4968	100,100
180	0	0	0	0	0	0	0	0	170-180	0	4968	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:2022-07-20

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

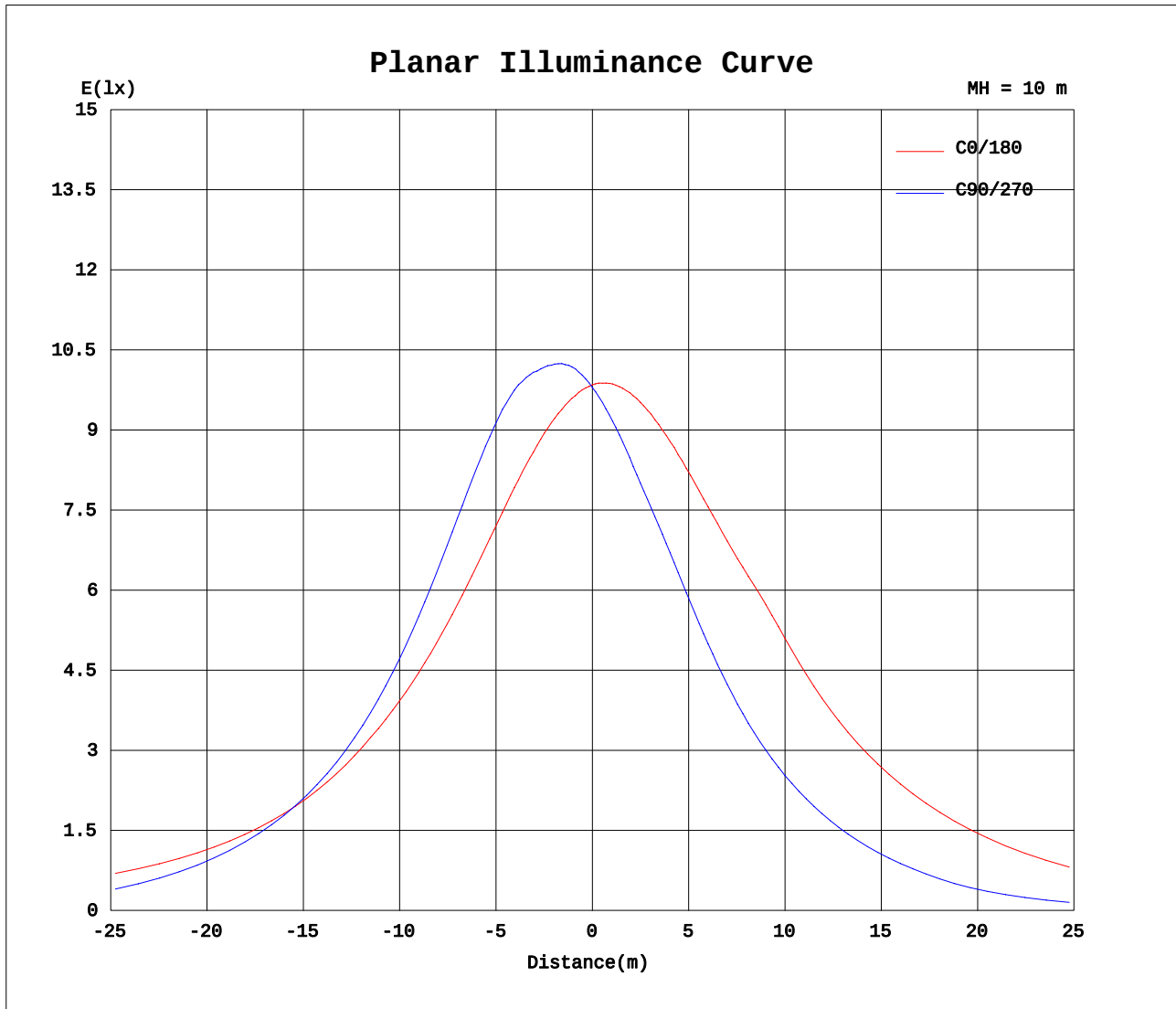
Test:U:219.4V I:0.1456A P:30.81W PF:0.9644 Freq:60.01Hz Lamp Flux:4967.8x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-30WILA-NV-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-07-20

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



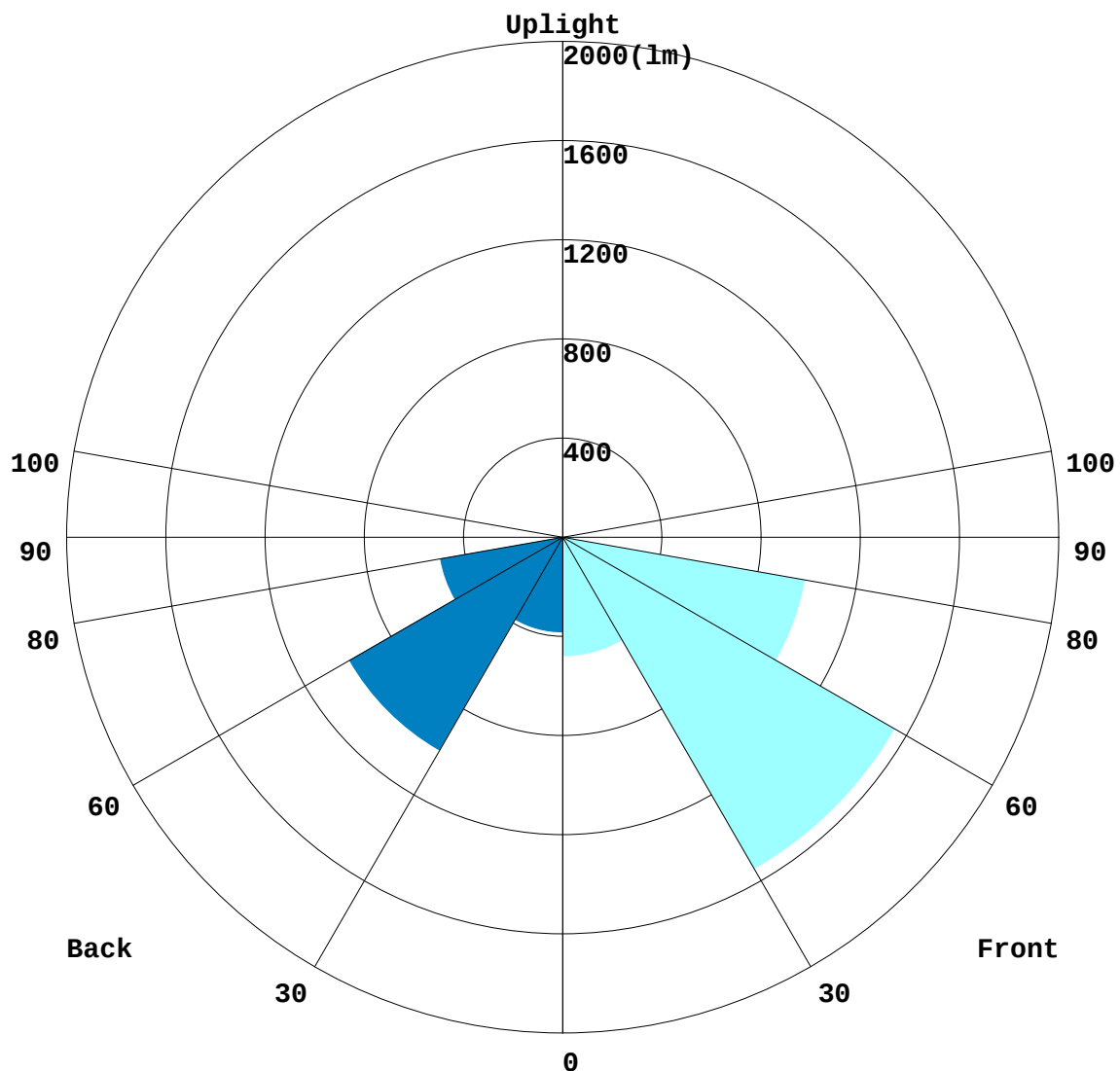
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-07-20

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:219.4V I:0.1456A P:30.81W PF:0.9644 Freq:60.01Hz Lamp Flux:4967.8x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-30WILA-NV-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:2022-07-20

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:219.4V I:0.1456A P:30.81W PF:0.9644 Freq:60.01Hz Lamp Flux:4967.8x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-30WILA-NV-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)	481.01	9.7
FM - Front-Medium(30-60)	1546.9	31.1
FH - Front-High(60-80)	992.99	20.0
FVH - Front-Very High(80-90)	48.256	1.0
Total Forward Light	3069.2	61.8

BL - Back-Low(0-30)	384.81	7.7
BM - Back-Medium(30-60)	994.75	20.0
BH - Back-High(60-80)	502.58	10.1
BVH - Back-Very High(80-90)	16.478	0.3
Total Back Light	1898.6	38.2

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	B2-U0-G2
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1898.6	0	1898.6
Street Side	3069.2	0	3069.2

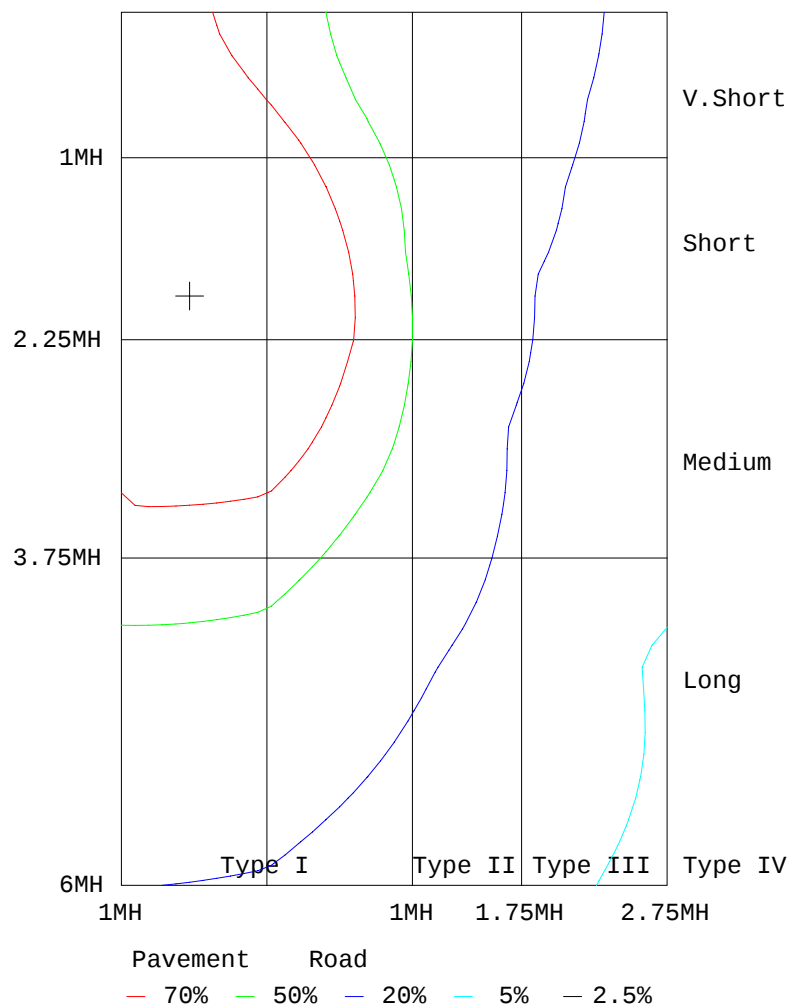
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-07-20

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:219.4V I:0.1456A P:30.81W PF:0.9644 Freq:60.01Hz Lamp Flux:4967.8x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-30WILA-NV-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:2022-07-20

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:219.4V I:0.1456A P:30.81W PF:0.9644 Freq:60.01Hz Lamp Flux:4967.8x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-30WILA-NV-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	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	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980
5	971	982	994	1004	1015	1020	1027	1026	1025	1023	1016	1006	994	982	971	959	951	943	940
10	971	993	1015	1035	1052	1063	1073	1078	1077	1071	1058	1040	1015	991	965	942	923	910	904
15	975	1009	1043	1071	1094	1111	1127	1135	1136	1129	1112	1083	1044	1002	961	926	899	881	872
20	985	1032	1077	1117	1152	1176	1195	1205	1206	1197	1175	1136	1079	1020	959	908	874	857	850
25	997	1061	1124	1175	1214	1240	1262	1273	1281	1278	1253	1199	1126	1042	955	891	854	835	826
30	1016	1098	1178	1230	1266	1287	1308	1326	1343	1353	1336	1275	1182	1072	956	873	832	810	799
35	1038	1146	1230	1276	1301	1320	1338	1361	1388	1414	1417	1374	1253	1110	959	859	808	783	771
40	1067	1194	1270	1307	1325	1333	1346	1374	1414	1461	1486	1470	1350	1159	967	842	783	754	743
45	1106	1237	1302	1328	1329	1329	1336	1370	1422	1492	1539	1534	1435	1211	970	821	752	725	716
50	1150	1268	1322	1337	1323	1307	1307	1347	1416	1509	1581	1585	1492	1261	965	789	716	689	685
55	1189	1301	1342	1338	1303	1265	1253	1296	1384	1511	1617	1644	1549	1297	939	738	663	635	636
60	1235	1346	1368	1330	1253	1185	1155	1193	1297	1474	1624	1687	1601	1305	882	654	575	544	549
65	1289	1408	1393	1287	1137	1021	964	993	1110	1343	1552	1680	1600	1245	753	511	418	384	397
70	1327	1456	1360	1154	890	717	617	655	777	1053	1321	1531	1465	1029	519	296	240	218	228
75	1195	1348	1152	823	490	312	222	253	348	595	874	1107	993	615	235	130	113	105	98.5
80	632	811	641	345	118	72.1	64.0	62.3	76.7	166	336	436	377	169	64.3	50.5	51.9	42.4	43.1
85	133	151	121	46.3	26.7	17.0	9.88	13.0	18.0	20.8	28.0	31.0	25.6	11.9	10.2	10.1	12.4	10.7	11.8
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:2022-07-20

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:219.4V I:0.1456A P:30.81W PF:0.9644 Freq:60.01Hz Lamp Flux:4967.8x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-30WILA-NV-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	980	980	980	980	980														
5	938	939	946	952	963														
10	901	905	916	930	949														
15	869	874	891	911	941														
20	847	850	865	895	938														
25	822	827	842	876	933														
30	796	800	816	857	930														
35	768	773	791	838	928														
40	741	744	764	817	930														
45	714	716	737	799	936														
50	684	687	708	778	944														
55	639	647	672	754	951														
60	560	582	619	722	970														
65	409	453	523	660	979														
70	238	279	344	530	922														
75	111	131	165	297	695														
80	45.6	61.2	67.6	97.1	289														
85	12.6	17.2	16.8	18.3	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:2022-07-20

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: