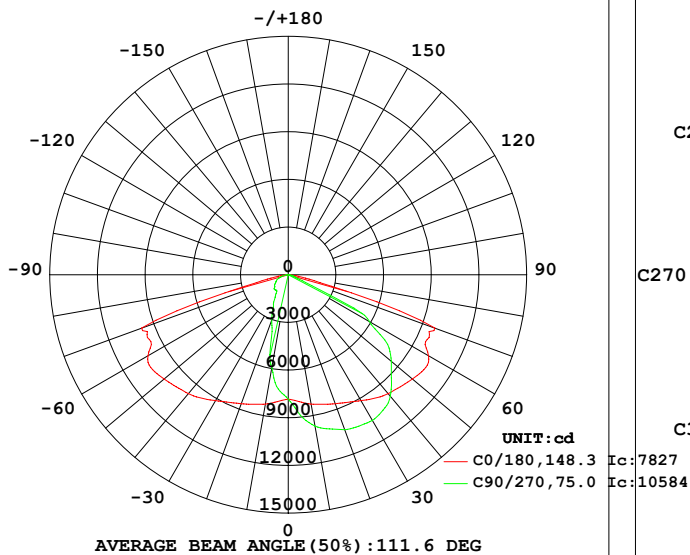
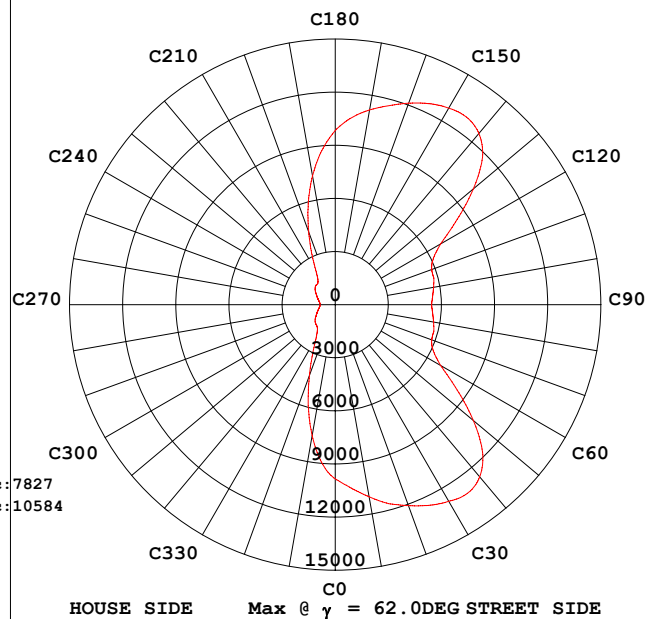


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.1V I:1.052A P:228.8W PF:0.9923 Freq:49.99Hz Lamp Flux:30153.4x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-230WiNM-NV-Y2-00-5770-T3M-P	DIM.: $\Phi 460 \times 200$ mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi 410$ mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.78 lm/W			
MODEL	Y2	I _{max} (cd)	12818	η street_up (%)	0.0
NOMINAL POWER (W)	230	LOR (%)	100.0	η street_down (%)	72.9
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	30153	η house_up (%)	0.0
NOMINAL FLUX (lm)	30153.4	MAXIMUM @ (C, γ)	150,62.0	η house_down (%)	27.1
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	21.113

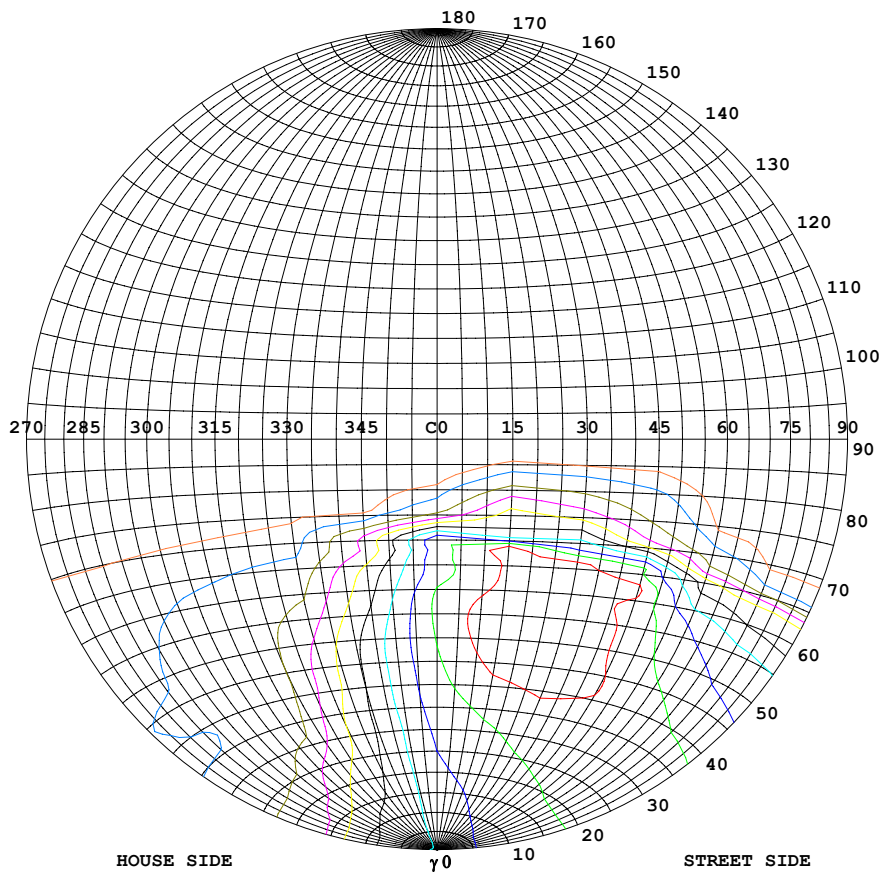
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2020-01-14

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:219.1V I:1.052A P:228.8W PF:0.9923 Freq:49.99Hz Lamp Flux:30153.4x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-230WiNM-NV-Y2-00-5770-T3M-P	DIM.: $\Phi 460 \times 200$ mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi 410$ mm	Shielding Angle:



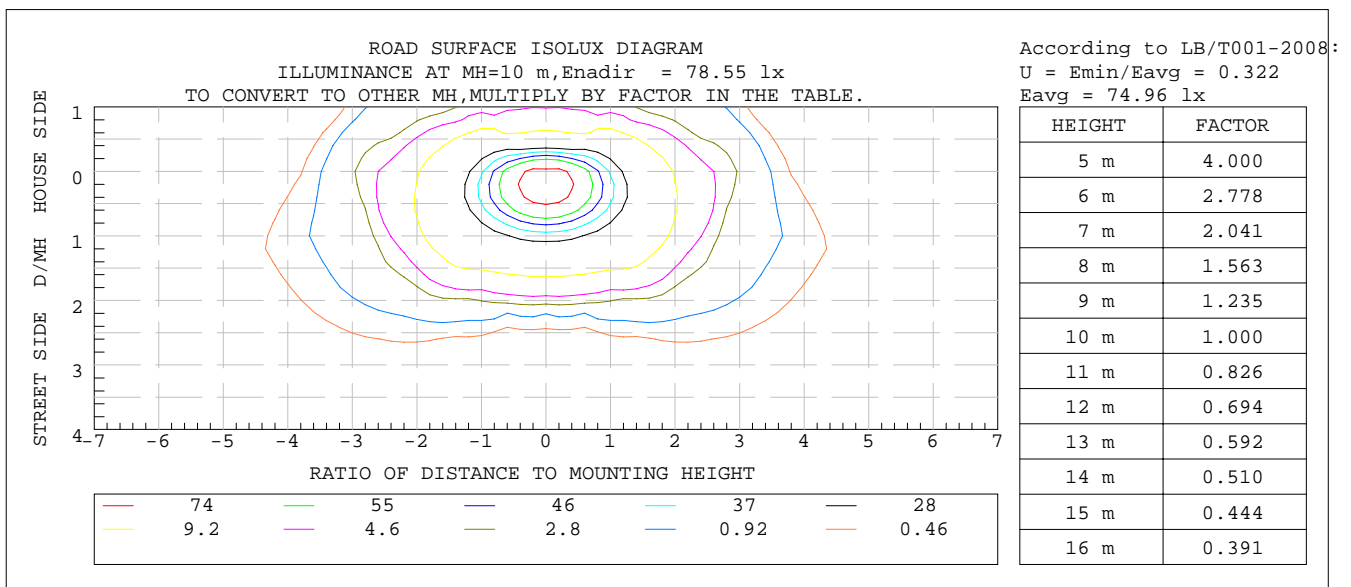
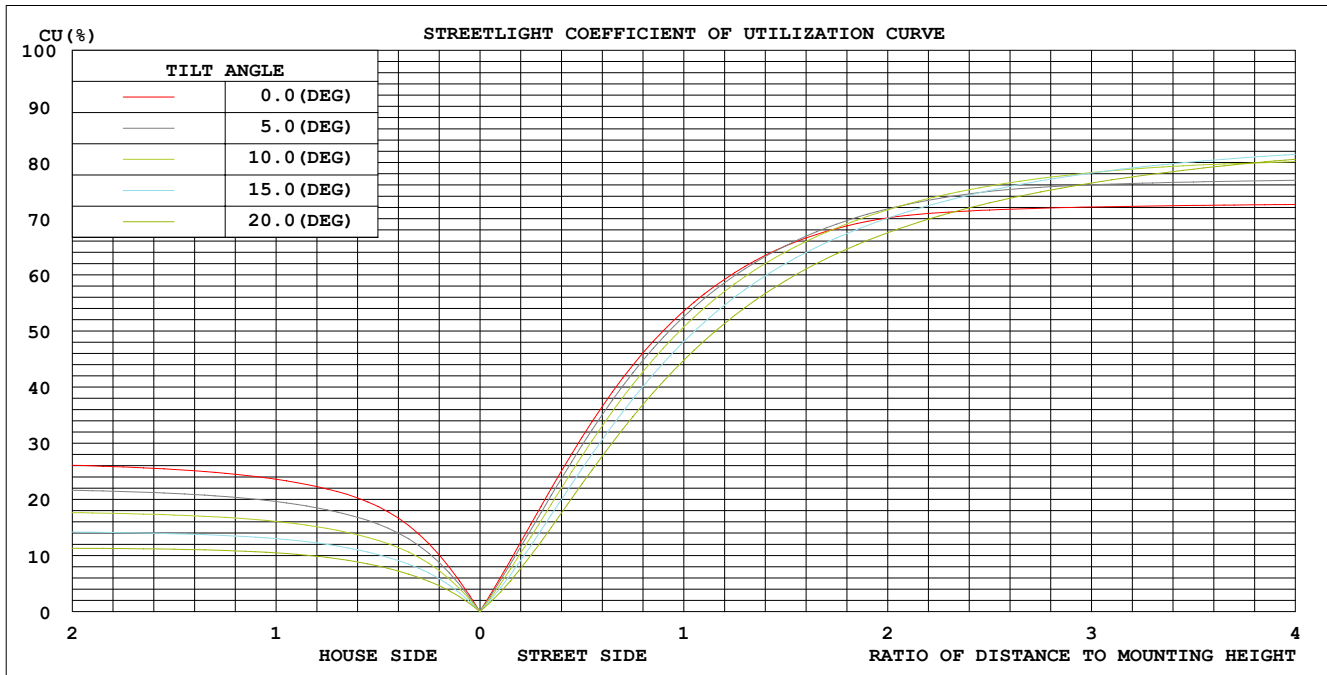
Classification:

IES:Type III - Short
 CIE:Average - Intermediate
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:102.1cd/klm
 Max.At90:0cd/klm
 Max.80-90:102.1cd/klm
 NRB 5101:Semi limited[17.4%]

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	12818
90%	11536
80%	10254
70%	8973
60%	7691
50%	6409
40%	5127
30%	3845
20%	2564
10%	1282
5%	641

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-01-14

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: 2020-01-14

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:219.1V I:1.052A P:228.8W PF:0.9923 Freq:49.99Hz Lamp Flux:30153.4x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-230WinM-NV-Y2-00-5770-T3M-P	DIM.: Φ 460*200mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 410mm	Shielding Angle:

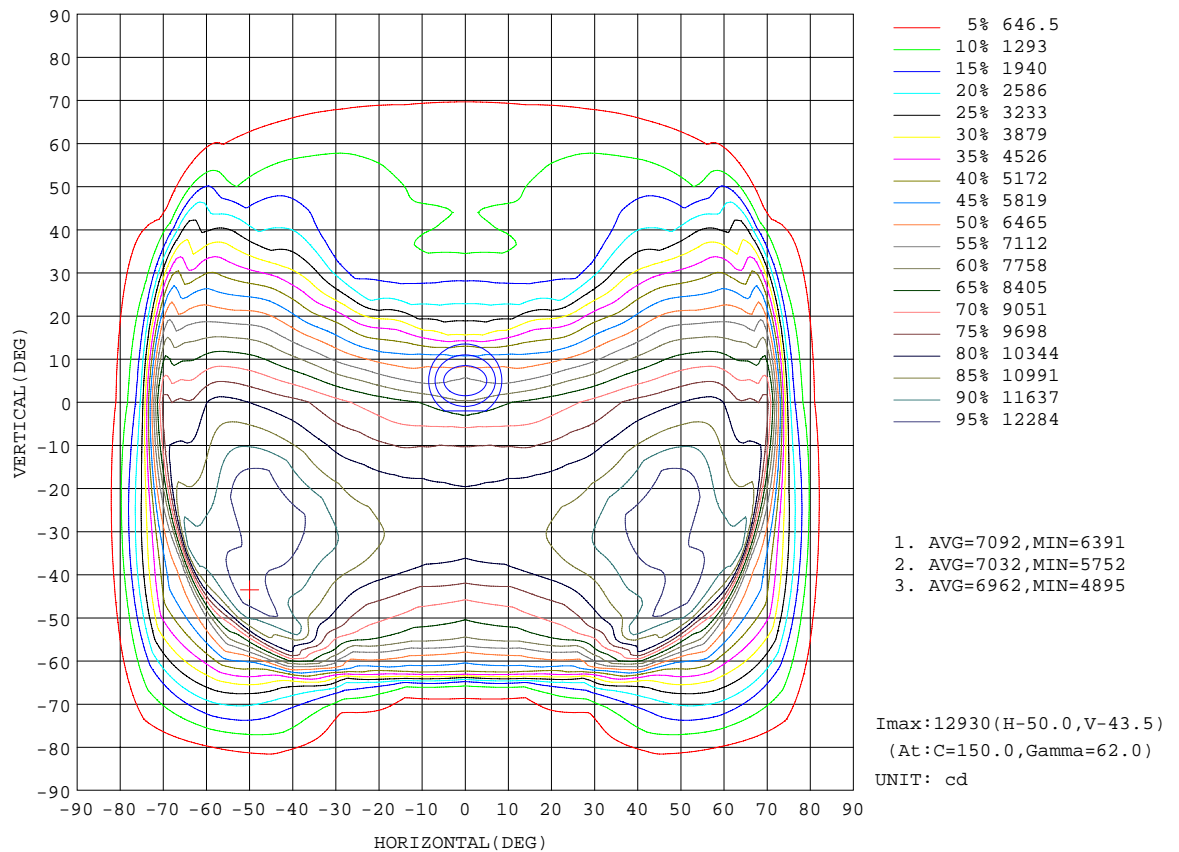
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	826.0	921.7	966.4	921.7	826.0	664.7	596.5	664.7	0- 10	762.8	762.8	2.53,2.53
20	863.7	1004	1037	1004	863.7	507.8	306.1	507.8	10- 20	2191	2953	9.79,9.79
30	914.7	1076	1058	1076	914.7	297.0	165.8	297.0	20- 30	3424	6378	21.2,21.2
40	976.8	1142	999.0	1142	976.8	183.0	126.2	183.0	30- 40	4559	10937	36.3,36.3
50	1020	1130	846.4	1130	1020	173.6	111.9	173.6	40- 50	5615	16552	54.9,54.9
60	1019	1133	591.0	1133	1019	168.3	90.26	168.3	50- 60	6145	22697	75.3,75.3
70	982.0	525.1	51.21	525.1	982.0	77.63	63.31	77.63	60- 70	5181	27878	92.5,92.5
80	87.29	145.7	19.53	145.7	87.29	32.98	23.60	32.98	70- 80	1955	29833	98.9,98.9
90	0	0	0	0	0	0	0	0	80- 90	320.6	30153	100,100
100	0	0	0	0	0	0	0	0	90-100	0	30153	100,100
110	0	0	0	0	0	0	0	0	100-110	0	30153	100,100
120	0	0	0	0	0	0	0	0	110-120	0	30153	100,100
130	0	0	0	0	0	0	0	0	120-130	0	30153	100,100
140	0	0	0	0	0	0	0	0	130-140	0	30153	100,100
150	0	0	0	0	0	0	0	0	140-150	0	30153	100,100
160	0	0	0	0	0	0	0	0	150-160	0	30153	100,100
170	0	0	0	0	0	0	0	0	160-170	0	30153	100,100
180	0	0	0	0	0	0	0	0	170-180	0	30153	100,100
DEG	LUMINOUS INTENSITY: $\times 10\text{cd}$									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-01-14

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:

ISOCANDELA DIAGRAM

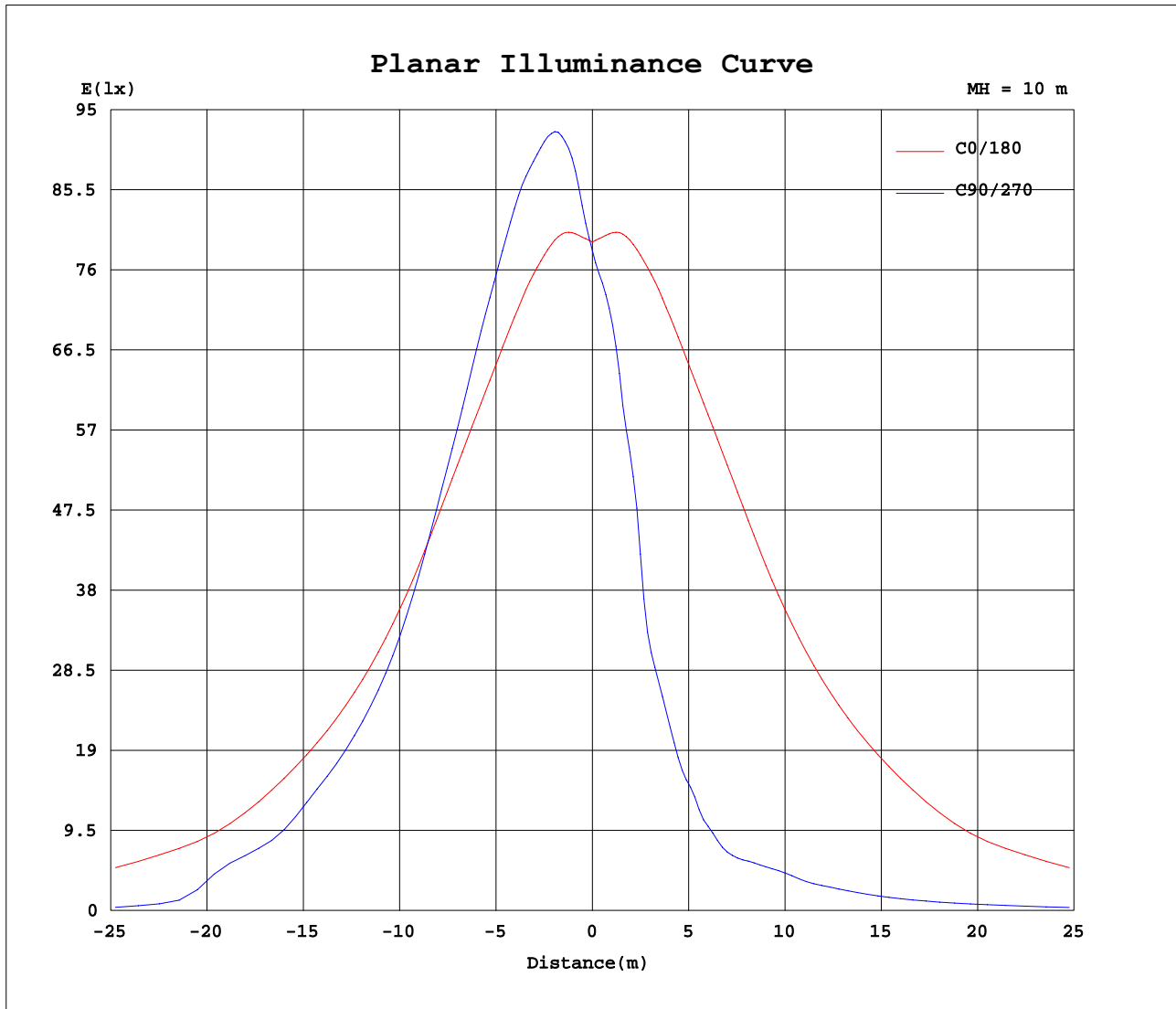
Test:U:219.1V I:1.052A P:228.8W PF:0.9923 Freq:49.99Hz Lamp Flux:30153.4x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-230WiNM-NV-Y2-00-5770-T3M-P	DIM.: Φ 460*200mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 410mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-01-14

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



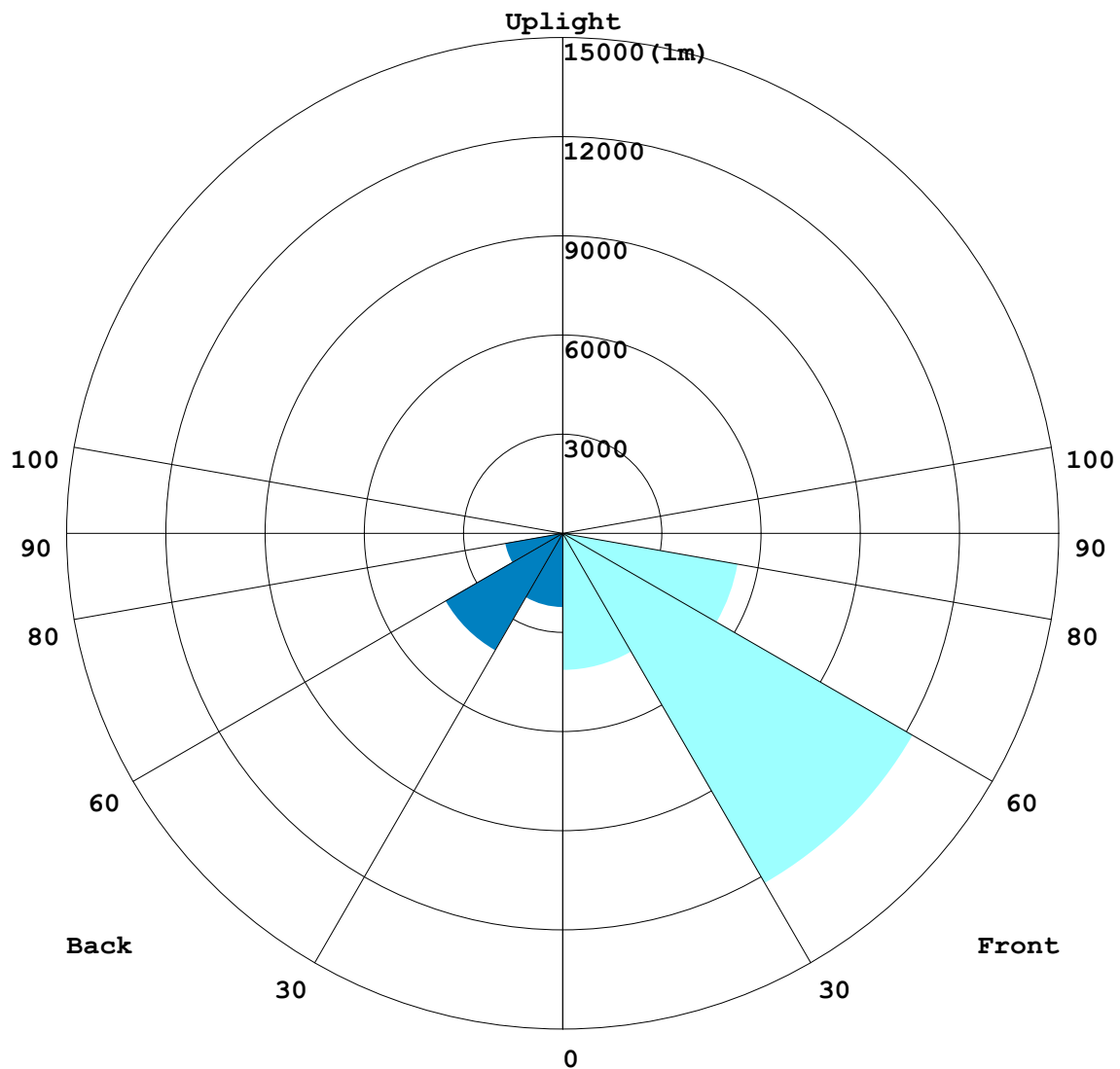
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-01-14

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:219.1V I:1.052A P:228.8W PF:0.9923 Freq:49.99Hz Lamp Flux:30153.4x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-230WiNM-NV-Y2-00-5770-T3M-P	DIM.: Φ 460*200mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 410mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-01-14

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:219.1V I:1.052A P:228.8W PF:0.9923 Freq:49.99Hz Lamp Flux:30153.4x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-230WinM-NV-Y2-00-5770-T3M-P	DIM.: Φ 460*200mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 410mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	4140.9	13.7
FM - Front-Medium(30-60)	12228	40.6
FH - Front-High(60-80)	5376.8	17.8
FVH - Front-Very High(80-90)	245.57	0.8
Total Forward Light	21991	72.9

BL - Back-Low(0-30)	2236.9	7.4
BM - Back-Medium(30-60)	4091.4	13.6
BH - Back-High(60-80)	1759.1	5.8
BVH - Back-Very High(80-90)	74.978	0.2
Total Back Light	8162.4	27.1

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	8162.4	0	8162.4
Street Side	21991	0	21991

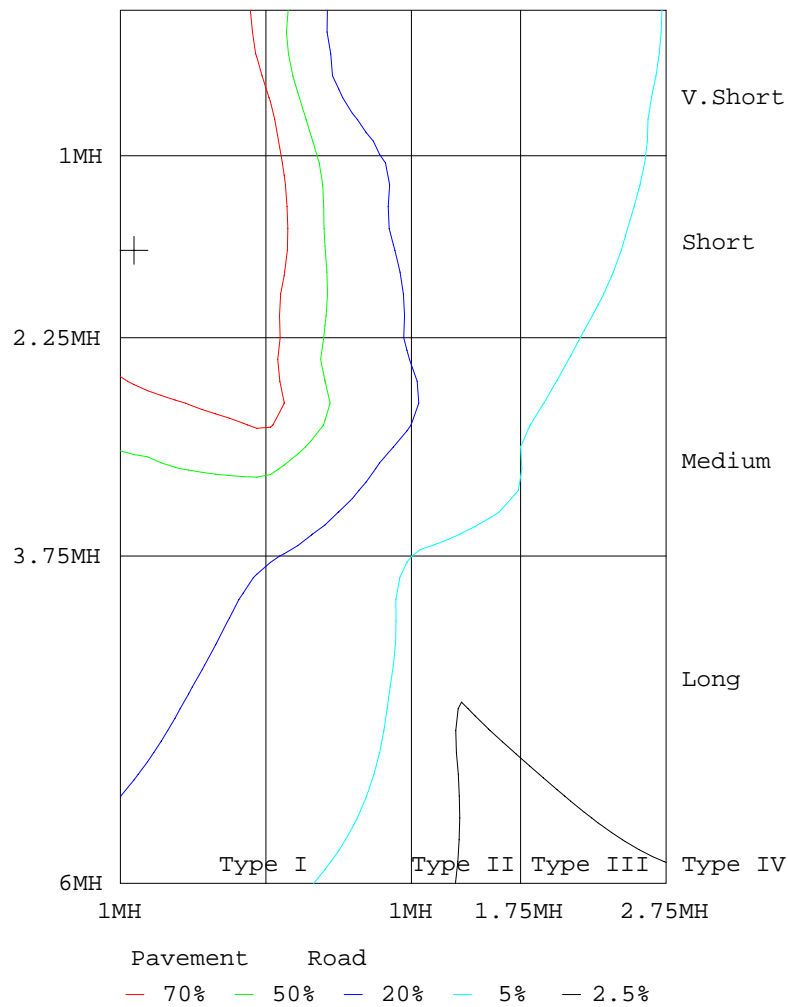
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-01-14

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:219.1V I:1.052A P:228.8W PF:0.9923 Freq:49.99Hz Lamp Flux:30153.4x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-230WinM-NV-Y2-00-5770-T3M-P	DIM.: $\Phi 460 \times 200$ mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi 410$ mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-01-14

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:219.1V I:1.052A P:228.8W PF:0.9923 Freq:49.99Hz Lamp Flux:30153.4x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-230WiNM-NV-Y2-00-5770-T3M-P	DIM.: Φ 460*200mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 410mm	Shielding Angle:

Table--1

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

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	783	783	783	783	783	783	783	783	783	783	783	783	783	783	783	783	783	783	783
5	801	819	838	857	874	884	887	884	874	857	838	819	801	778	756	738	729	723	722
10	826	857	889	922	948	963	966	963	948	922	889	857	826	765	699	665	642	608	597
15	844	883	924	971	994	1004	1004	1004	994	971	924	883	844	748	658	601	508	430	410
20	864	916	967	1004	1027	1038	1037	1038	1027	1004	967	916	864	742	613	508	366	312	306
25	886	958	1006	1042	1055	1053	1051	1053	1055	1042	1006	958	886	742	562	422	272	230	224
30	915	992	1046	1076	1068	1063	1058	1063	1068	1076	1046	992	915	733	526	297	204	174	166
35	949	1040	1095	1109	1087	1050	1040	1050	1087	1109	1095	1040	949	739	504	218	159	132	126
40	977	1107	1163	1142	1074	1020	999	1020	1074	1142	1163	1107	977	741	459	183	138	130	126
45	997	1181	1224	1149	1036	949	918	949	1036	1149	1224	1181	997	741	441	170	146	135	126
50	1020	1241	1257	1130	975	888	846	888	975	1130	1257	1241	1020	729	400	174	157	125	112
55	1041	1248	1244	1129	918	811	764	811	918	1129	1244	1248	1041	675	320	183	148	118	102
60	1019	1178	1252	1133	776	636	591	636	776	1133	1252	1178	1019	610	244	168	135	106	90.3
65	965	1157	1203	1027	590	296	164	296	590	1027	1203	1157	965	529	168	130	105	87.7	80.9
70	982	879	816	525	177	54.2	51.2	54.2	177	525	816	879	982	424	89.2	77.6	68.9	63.6	63.3
75	283	563	477	244	56.6	31.7	33.8	31.7	56.6	244	477	563	283	85.3	60.8	51.4	45.8	43.5	40.7
80	87.3	308	236	146	25.9	19.2	19.5	19.2	25.9	146	236	308	87.3	26.4	43.5	33.0	29.1	24.6	23.6
85	12.4	81.2	59.5	47.2	8.65	7.54	7.55	7.54	8.65	47.2	59.5	81.2	12.4	11.0	15.9	12.8	11.6	9.60	10.4
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: 2020-01-14

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:219.1V I:1.052A P:228.8W PF:0.9923 Freq:49.99Hz Lamp Flux:30153.4x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-230WiNM-NV-Y2-00-5770-T3M-P	DIM.: Φ 460*200mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 410mm	Shielding Angle:

Table--2

UNIT: x10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	783	783	783	783	783														
5	723	729	738	756	778														
10	608	642	665	699	765														
15	430	508	601	658	748														
20	312	366	508	613	742														
25	230	272	422	562	742														
30	174	204	297	526	733														
35	132	159	218	504	739														
40	130	138	183	459	741														
45	135	146	170	441	741														
50	125	157	174	400	729														
55	118	148	183	320	675														
60	106	135	168	244	610														
65	87.7	105	130	168	529														
70	63.6	68.9	77.6	89.2	424														
75	43.5	45.8	51.4	60.8	85.3														
80	24.6	29.1	33.0	43.5	26.4														
85	9.60	11.6	12.8	15.9	11.0														
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:2020-01-14

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: