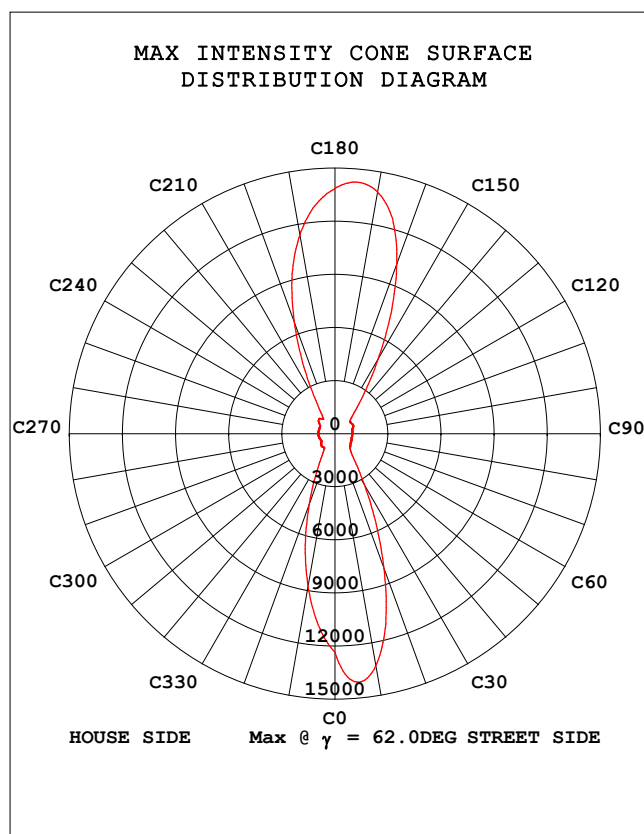
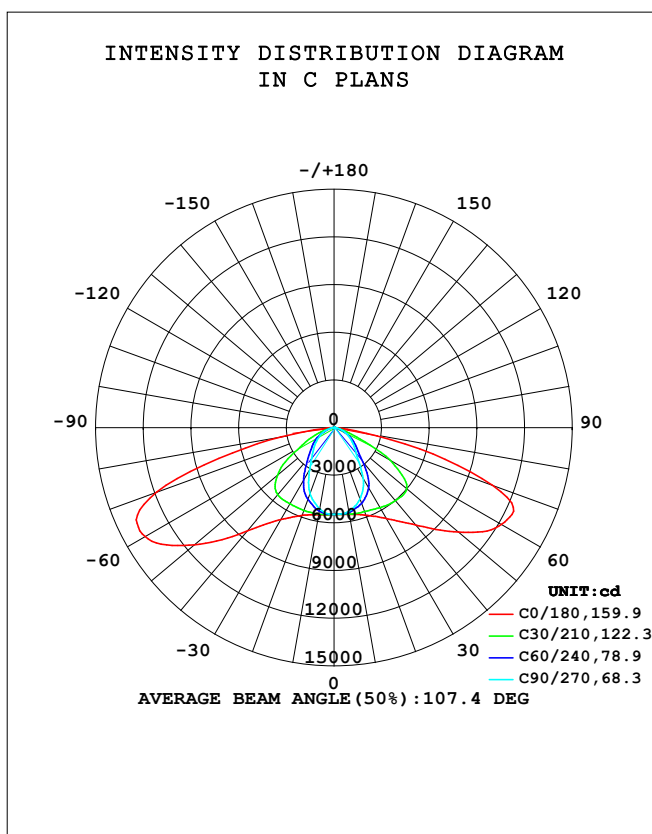


# STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.04V I:1.2377A P:147.34W PF:0.9917 Freq:59.98Hz Lamp Flux:20026.2x1 lm		
NAME: LED Explosion-proof Flood Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/T1	DIM.: 215*215mm	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 135.92 lm/W			
NJZ-FEL-M0150-V01-RZ-T1-25-TG-P-GR		Imax (cd)	13846	$\eta$ street_up (%)	0.2
NOMINAL POWER (W)	150	LOR (%)	100.0	$\eta$ street_down (%)	54.1
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	20026	$\eta$ house_up (%)	0.2
NOMINAL FLUX (lm)	20026.2	MAXIMUM @ (C, $\gamma$ )	180,62.0	$\eta$ house_down (%)	45.5
LAMPS INSIDE	1	$\eta$ up (%)	0.4	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	120	$\eta$ down (%)	99.6	SLI	22.615

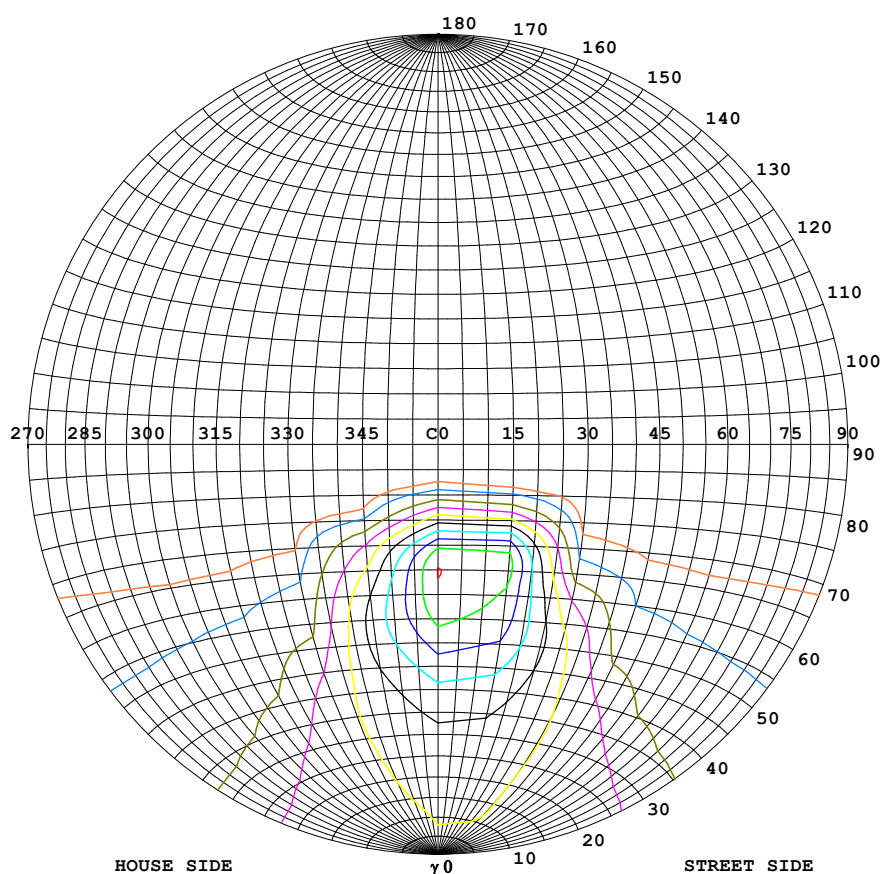


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YZY  
Test Date:18 August 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity:65.0%  
Test Distance:6.010m [K=1.0000]  
Remarks:

# STREETLIGHT ISOCANDELA DIAGRAM

Test:U:120.04V I:1.2377A P:147.34W PF:0.9917 Freq:59.98Hz Lamp Flux:20026.2x1 lm		
NAME: LED Explosion-proof Flood Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/T1	DIM.: 215*215mm	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



## Classification:

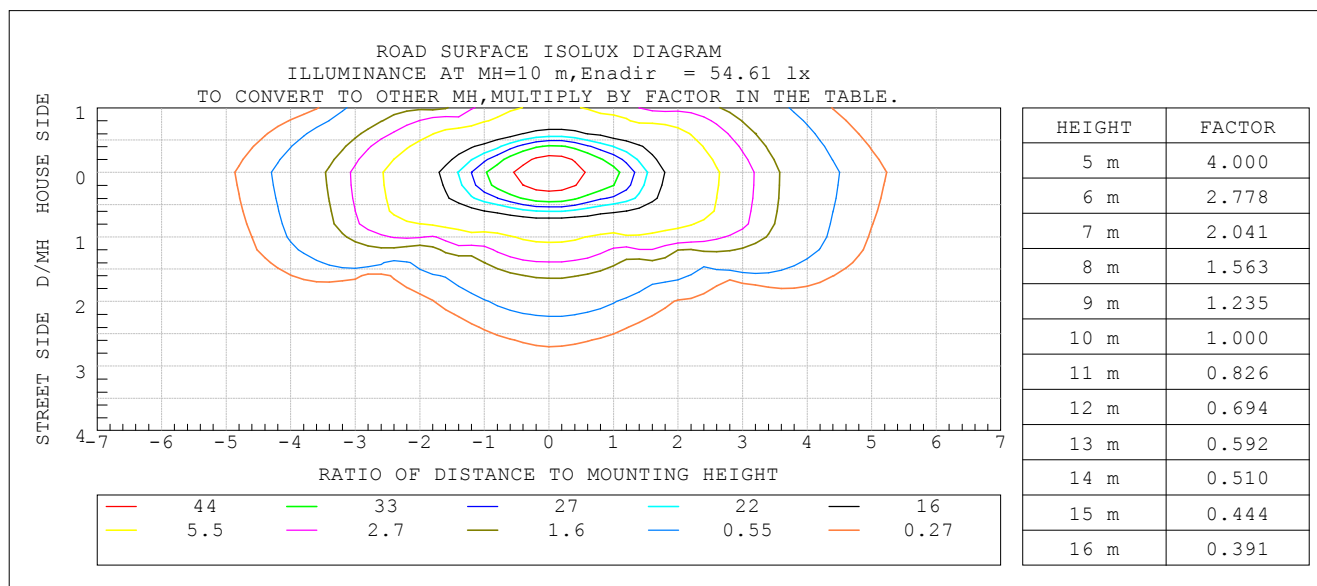
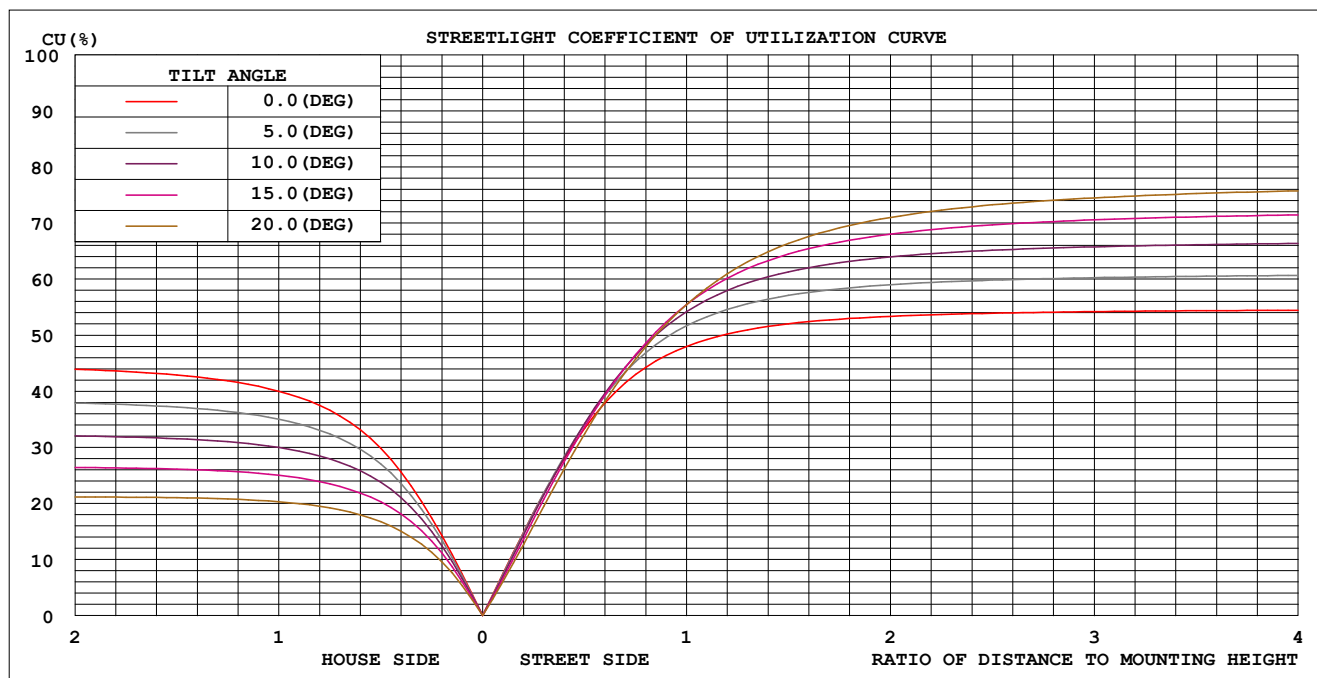
IES:Type II - Short  
 CIE:Narrow - Intermediate  
 IES:Semi cut-off  
 CIE:Non-cut-off  
 Max.At80:169.9cd/klm  
 Max.At90:1.089cd/klm  
 Max.80-90:169.9cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	13846
90%	12462
80%	11077
70%	9692
60%	8308
50%	6923
40%	5539
30%	4154
20%	2769
10%	1385
5%	692

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:18 August 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:6.010m [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: YZY  
Test Date: 18 August 2021

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity: 65.0%  
Test Distance: 6.010m [K=1.0000]  
Remarks:

### ZONAL FLUX DIAGRAM

Test:U:120.04V I:1.2377A P:147.34W PF:0.9917 Freq:59.98Hz Lamp Flux:20026.2x1 lm		
NAME: LED Explosion-proof Flood Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/T1	DIM.: 215*215mm	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

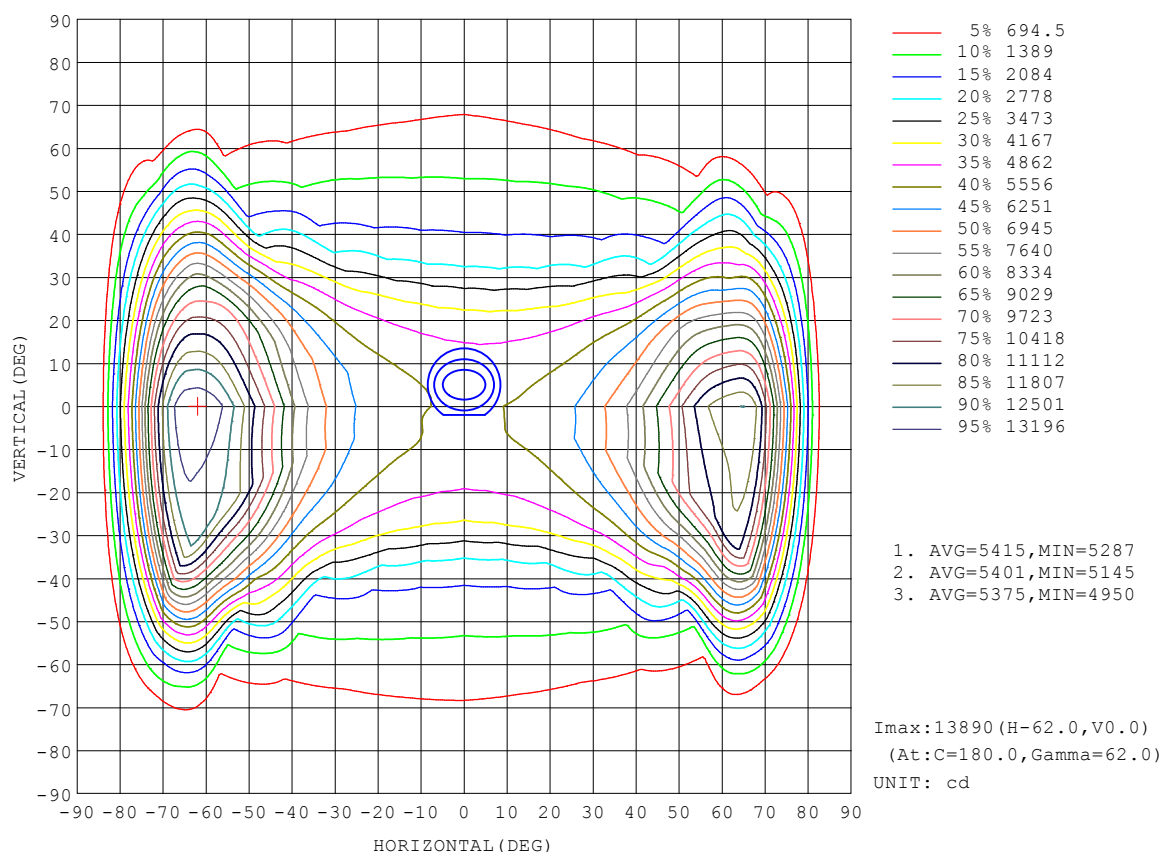
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	555.2	549.2	536.3	551.5	557.8	544.4	521.1	533.9	0- 10	521.0	521.0	2.6,2.6
20	587.3	533.7	478.9	540.8	588.6	515.1	443.2	495.5	10- 20	1511	2032	10.1,10.1
30	661.4	506.3	368.4	512.7	669.2	469.0	309.7	430.8	20- 30	2350	4382	21.9,21.9
40	800.0	431.9	220.0	446.4	847.2	358.4	211.0	302.6	30- 40	2940	7322	36.6,36.6
50	1023	243.4	156.4	264.4	1147	225.3	153.0	196.2	40- 50	3423	10745	53.7,53.7
60	1218	137.9	103.8	152.3	1373	139.7	103.2	122.7	50- 60	3793	14538	72.6,72.6
70	1061	61.31	62.78	72.00	1188	62.29	60.28	50.81	60- 70	3491	18030	90,90
80	209.5	16.43	17.40	22.43	340.2	17.75	14.68	11.66	70- 80	1755	19785	98.8,98.8
90	1.638	0.1952	0.1943	0.8875	1.489	0.1842	0.1048	0.1349	80- 90	169.9	19955	99.6,99.6
100	1.814	0.2349	0.1577	0.1767	1.485	0.2497	0.1588	0.3382	90-100	5.104	19960	99.7,99.7
110	2.496	0.5189	0.2736	0.3650	2.101	0.5838	0.2771	0.7401	100-110	8.031	19968	99.7,99.7
120	2.937	0.8963	0.4281	0.6694	2.540	0.9759	0.4355	1.166	110-120	10.91	19979	99.8,99.8
130	2.883	1.243	0.6281	0.9951	2.613	1.290	0.6648	1.484	120-130	12.30	19991	99.8,99.8
140	2.416	1.486	0.8917	1.245	2.268	1.425	0.9612	1.646	130-140	11.61	20003	99.9,99.9
150	2.023	1.614	1.187	1.373	1.962	1.458	1.264	1.704	140-150	9.693	20012	99.9,99.9
160	1.875	1.698	1.465	1.497	1.851	1.582	1.507	1.746	150-160	7.417	20020	100,100
170	1.852	1.805	1.714	1.705	1.862	1.775	1.756	1.826	160-170	4.834	20024	100,100
180	1.899	1.898	1.903	1.872	1.900	1.898	1.903	1.871	170-180	1.746	20026	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YZY  
Test Date:18 August 2021

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity:65.0%  
Test Distance:6.010m [K=1.0000]  
Remarks:

# ISOCANDELA DIAGRAM

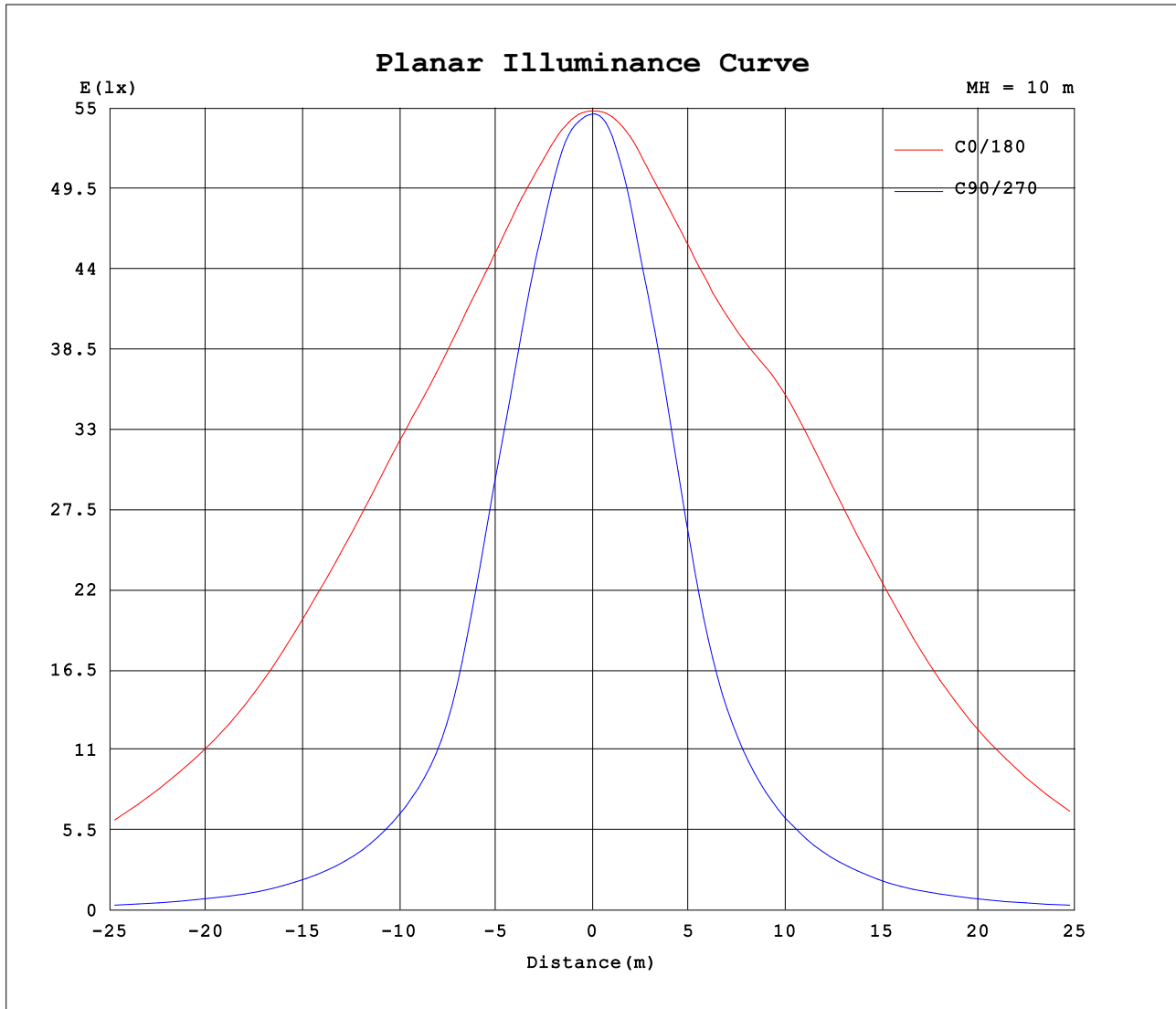
Test:U:120.04V I:1.2377A P:147.34W PF:0.9917 Freq:59.98Hz Lamp Flux:20026.2x1 lm		
NAME: LED Explosion-proof Flood Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/T1	DIM.: 215*215mm	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YZY  
Test Date:18 August 2021

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity:65.0%  
Test Distance:6.010m [K=1.0000]  
Remarks:

### Planar Illuminance Curve



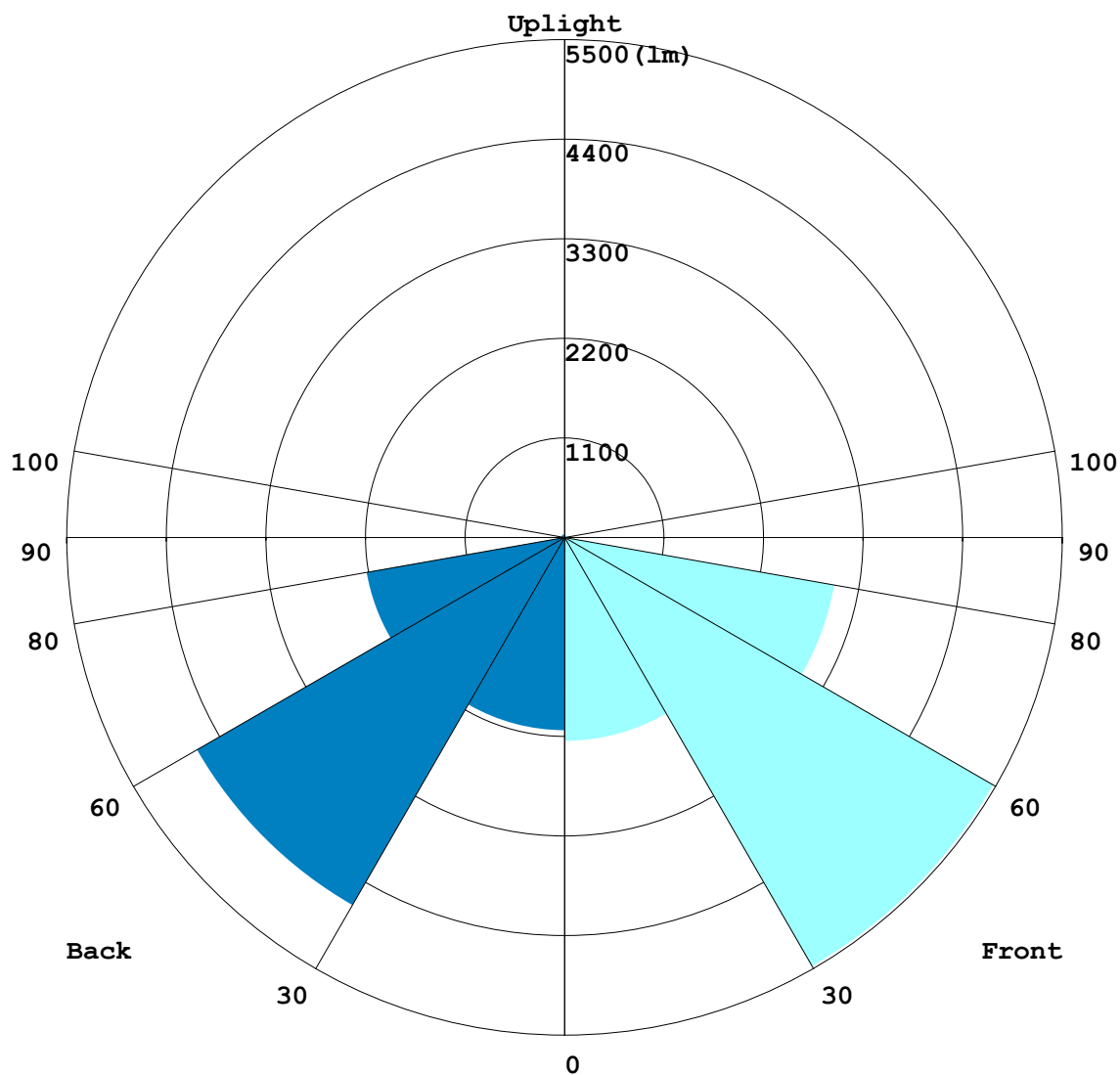
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: YZY  
 Test Date: 18 August 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 6.010m [K=1.0000]  
 Remarks:

### LCS REPORT

Test:U:120.04V I:1.2377A P:147.34W PF:0.9917 Freq:59.98Hz Lamp Flux:20026.2x1 lm		
NAME: LED Explosion-proof Flood Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/T1	DIM.: 215*215mm	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

### LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YZY  
Test Date:18 August 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity:65.0%  
Test Distance:6.010m [K=1.0000]  
Remarks:

# BUG REPORT

Test:U:120.04V I:1.2377A P:147.34W PF:0.9917 Freq:59.98Hz Lamp Flux:20026.2x1 lm		
NAME: LED Explosion-proof Flood Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/T1	DIM.: 215*215mm	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

## IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2250	11.2
FM - Front-Medium(30-60)	5467.2	27.3
FH - Front-High(60-80)	3027.2	15.1
FVH - Front-Very High(80-90)	93.986	0.5
Total Forward Light	10873	54.3

BL - Back-Low(0-30)	2131.9	10.6
BM - Back-Medium(30-60)	4689.3	23.4
BH - Back-High(60-80)	2219	11.1
BVH - Back-Very High(80-90)	75.896	0.4
Total Back Light	9153.4	45.7

UL - Uplight-Low(90-100)	5.1036	0.0
UH - Uplight-High(100-180)	66.538	0.3
Total Up Light	71.641	0.4

BUG(Back,Up,Glare) Rating	B3-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	9116.1	37.266	9153.4
Street Side	10838	34.375	10873

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YZY  
Test Date:18 August 2021

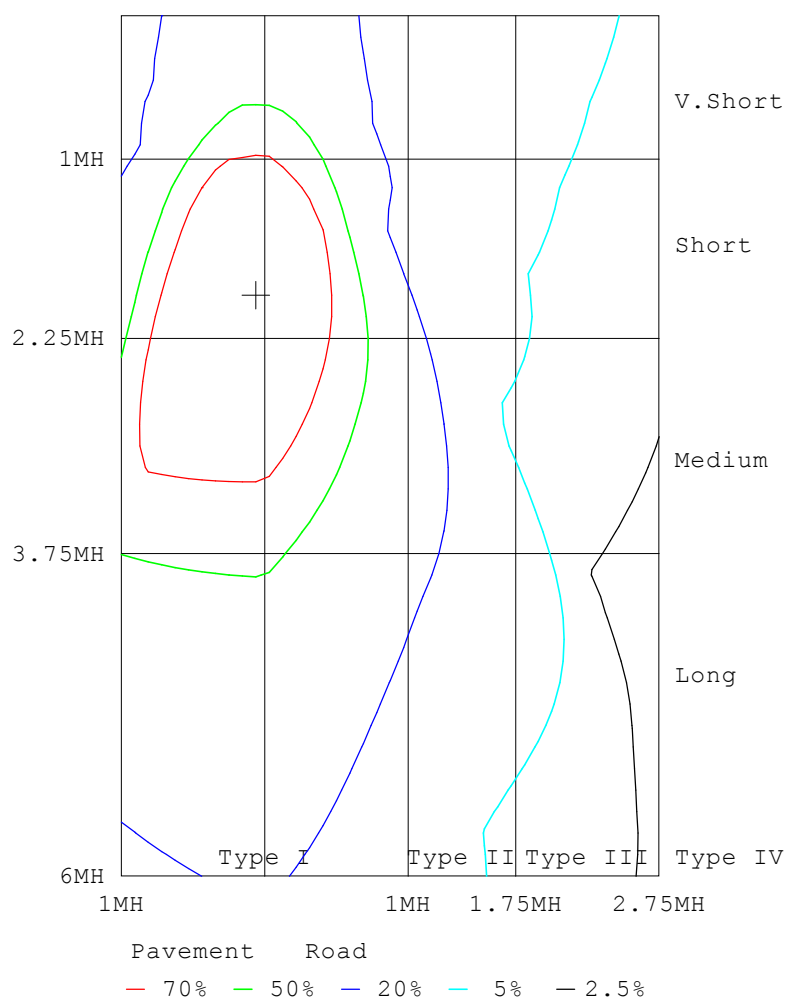
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity:65.0%  
Test Distance:6.010m [K=1.0000]  
Remarks:



### ROAD ISOCANDELA REPORT

Test:U:120.04V I:1.2377A P:147.34W PF:0.9917 Freq:59.98Hz Lamp Flux:20026.2x1 lm		
NAME: LED Explosion-proof Flood Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/T1	DIM.: 215*215mm	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YZY  
Test Date:18 August 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity:65.0%  
Test Distance:6.010m [K=1.0000]  
Remarks:

### LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.04V I:1.2377A P:147.34W PF:0.9917 Freq:59.98Hz Lamp Flux:20026.2x1 lm		
NAME: LED Explosion-proof Flood Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/T1	DIM.: 215*215mm	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Table--1

UNIT: ×10cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	547	547	547	547	547	547	547	547	547	547	547	547	547	547	547	547	547	547	547
5	549	548	548	547	546	546	545	545	546	548	549	550	550	551	550	548	546	544	543
10	555	555	553	549	543	538	536	540	546	551	555	557	558	557	553	544	534	525	521
15	566	566	559	543	527	517	512	518	532	551	563	567	569	566	554	534	510	492	484
20	587	585	563	534	508	488	479	490	513	541	570	586	589	581	555	515	481	455	443
25	617	613	570	523	477	445	433	448	482	530	580	616	622	605	554	496	443	399	382
30	661	651	581	506	436	388	368	392	442	513	592	658	669	636	555	469	385	330	310
35	721	702	593	479	370	304	282	309	382	487	608	718	739	676	556	422	317	266	251
40	800	769	600	432	283	231	220	234	295	446	619	803	847	730	552	358	257	222	211
45	907	858	607	346	218	194	186	195	223	367	628	933	998	812	526	284	213	187	180
50	1023	956	598	243	181	162	156	165	186	264	640	1076	1147	897	465	225	179	160	153
55	1142	1036	525	182	148	135	131	138	155	194	622	1189	1288	957	376	180	149	133	129
60	1218	1091	406	138	117	106	104	110	126	152	534	1245	1373	961	250	140	118	104	103
65	1247	1159	214	95.9	81.1	82.7	83.9	87.1	90.1	113	364	1278	1374	878	175	97.5	80.3	79.2	82.0
70	1061	1033	104	61.3	55.8	57.5	62.8	61.2	62.8	72.0	163	1177	1188	666	105	62.3	55.6	53.7	60.3
75	644	575	48.0	36.1	35.6	35.8	38.2	38.5	41.0	45.3	70.5	758	751	372	49.4	37.3	34.9	32.6	33.3
80	209	154	20.7	16.4	15.6	17.3	17.4	19.0	20.8	22.4	30.8	243	340	77.2	22.8	17.7	16.9	15.2	14.7
85	10.4	14.5	5.54	4.84	4.71	4.87	5.18	6.01	7.03	7.78	10.4	30.0	45.2	11.2	7.38	6.10	5.31	4.56	3.76
90	1.64	1.23	0.37	0.20	0.18	0.17	0.19	0.33	0.51	0.89	1.21	2.18	1.49	1.03	0.53	0.18	0.12	0.11	0.10
95	1.43	1.00	0.45	0.17	0.14	0.13	0.13	0.13	0.13	0.15	0.30	0.84	1.14	0.96	0.48	0.16	0.12	0.12	0.12
100	1.81	1.33	0.66	0.23	0.18	0.16	0.16	0.15	0.15	0.18	0.42	1.01	1.49	1.32	0.73	0.25	0.16	0.16	0.16
105	2.20	1.70	0.93	0.36	0.24	0.22	0.21	0.20	0.21	0.25	0.62	1.32	1.83	1.66	1.01	0.40	0.22	0.21	0.21
110	2.50	2.01	1.20	0.52	0.32	0.28	0.27	0.27	0.28	0.36	0.84	1.60	2.10	1.92	1.30	0.58	0.30	0.28	0.28
115	2.75	2.27	1.45	0.70	0.42	0.36	0.35	0.34	0.37	0.51	1.05	1.82	2.33	2.13	1.56	0.78	0.41	0.36	0.35
120	2.94	2.47	1.67	0.90	0.54	0.45	0.43	0.43	0.47	0.67	1.24	1.99	2.54	2.30	1.76	0.98	0.54	0.45	0.44
125	2.99	2.59	1.83	1.08	0.68	0.55	0.52	0.52	0.59	0.84	1.39	2.06	2.65	2.36	1.85	1.15	0.69	0.56	0.54
130	2.88	2.60	1.93	1.24	0.83	0.67	0.63	0.64	0.73	1.00	1.48	2.01	2.61	2.29	1.84	1.29	0.86	0.70	0.66
135	2.67	2.50	1.96	1.38	0.99	0.81	0.75	0.77	0.88	1.14	1.52	1.93	2.47	2.16	1.78	1.38	1.02	0.85	0.81
140	2.42	2.34	1.96	1.49	1.14	0.96	0.89	0.91	1.02	1.25	1.52	1.83	2.27	2.01	1.70	1.42	1.16	1.00	0.96
145	2.17	2.16	1.92	1.56	1.27	1.10	1.04	1.05	1.15	1.32	1.50	1.72	2.08	1.88	1.63	1.44	1.27	1.15	1.12
150	2.02	2.03	1.87	1.61	1.39	1.25	1.19	1.19	1.27	1.37	1.50	1.67	1.96	1.82	1.62	1.46	1.35	1.28	1.26
155	1.93	1.94	1.83	1.66	1.50	1.38	1.33	1.33	1.36	1.42	1.52	1.67	1.89	1.79	1.64	1.50	1.42	1.39	1.39
160	1.88	1.88	1.81	1.70	1.59	1.51	1.47	1.45	1.45	1.50	1.57	1.69	1.85	1.79	1.69	1.58	1.51	1.49	1.51
165	1.85	1.85	1.81	1.75	1.68	1.62	1.59	1.56	1.57	1.60	1.65	1.73	1.85	1.81	1.74	1.68	1.63	1.62	1.63
170	1.85	1.86	1.84	1.80	1.77	1.74	1.71	1.70	1.69	1.71	1.73	1.77	1.86	1.84	1.81	1.77	1.75	1.75	1.76
175	1.88	1.88	1.87	1.87	1.85	1.84	1.84	1.82	1.81	1.81	1.81	1.82	1.89	1.88	1.87	1.86	1.86	1.86	1.86
180	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.89	1.88	1.87	1.87	1.87	1.90	1.90	1.90	1.90	1.90	1.90	1.90

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:YZY

Test Date:18 August 2021

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366

Humidity:65.0%

Test Distance:6.010m [K=1.0000]

Remarks:

### LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.04V I:1.2377A P:147.34W PF:0.9917 Freq:59.98Hz Lamp Flux:20026.2x1 lm		
NAME: LED Explosion-proof Flood Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/T1	DIM.: 215*215mm	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Table--2

UNIT: ×10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	547	547	547	547	547														
5	542	543	544	546	548														
10	521	526	534	543	550														
15	485	497	517	538	556														
20	446	467	495	531	568														
25	387	420	471	525	584														
30	315	356	431	520	604														
35	255	288	372	507	628														
40	214	237	303	473	656														
45	181	197	241	414	697														
50	155	167	196	330	742														
55	130	140	157	234	751														
60	102	106	123	176	691														
65	76.7	72.4	79.2	121	574														
70	50.1	48.3	50.8	65.8	423														
75	29.2	28.9	27.9	32.4	152														
80	12.9	12.6	11.7	14.0	26.7														
85	3.07	3.02	2.84	3.33	4.91														
90	0.11	0.11	0.13	0.40	0.82														
95	0.13	0.13	0.20	0.64	1.18														
100	0.17	0.18	0.34	0.95	1.61														
105	0.23	0.25	0.52	1.28	1.98														
110	0.29	0.33	0.74	1.60	2.26														
115	0.37	0.45	0.96	1.87	2.49														
120	0.47	0.60	1.17	2.08	2.68														
125	0.59	0.76	1.34	2.21	2.76														
130	0.72	0.92	1.48	2.26	2.72														
135	0.88	1.09	1.58	2.23	2.57														
140	1.04	1.23	1.65	2.15	2.37														
145	1.19	1.36	1.68	2.04	2.17														
150	1.33	1.47	1.70	1.95	2.04														
155	1.45	1.56	1.72	1.88	1.95														
160	1.56	1.64	1.75	1.84	1.88														
165	1.66	1.72	1.78	1.84	1.85														
170	1.77	1.80	1.83	1.85	1.85														
175	1.86	1.86	1.87	1.87	1.86														
180	1.89	1.88	1.87	1.87	1.87														

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:YZY

Test Date:18 August 2021

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366

Humidity:65.0%

Test Distance:6.010m [K=1.0000]

Remarks: