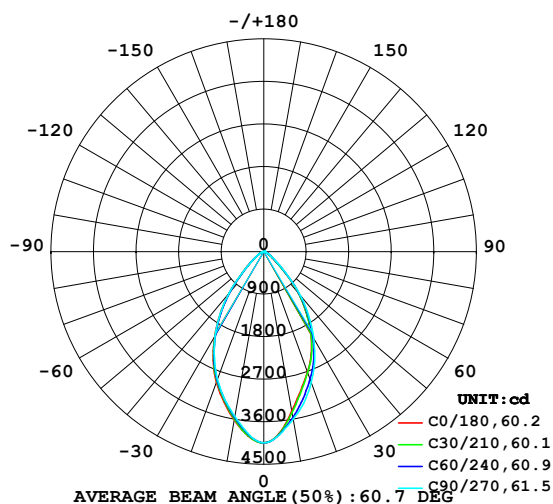


**LUMINAIRE PHOTOMETRIC TEST REPORT**

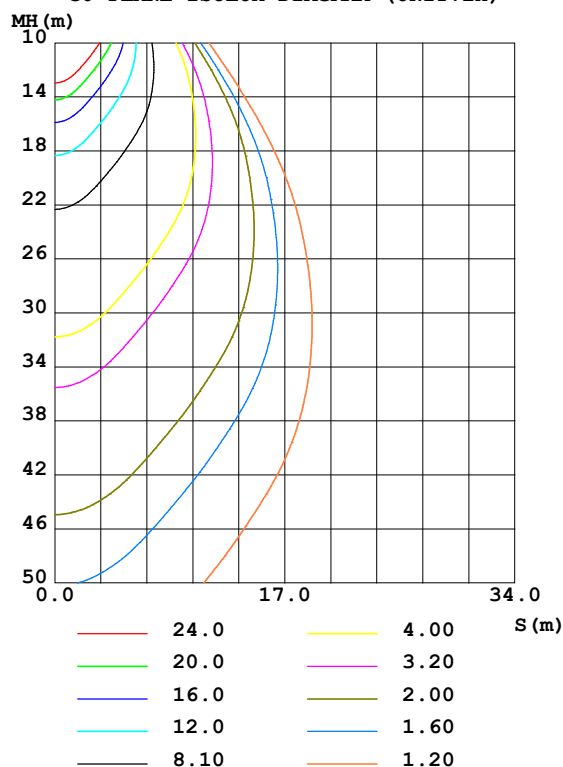
Test:U:220.09V I:0.1184A P:25.506W PF:0.9789 Freq:49.99Hz Lamp Flux:4294.95x1 lm					
NAME: Round X2 Series AC		TYPE:Floodlight		WEIGHT:N/A	
SPEC.:RND-25-100-240-5K-60-X2-CG-*		DIM.: N/A		SERIAL No.:N/A	
MFR.: Red Sky Lighting		SUR.:N/A		Shielding Angle:N/A	

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 168.39 lm/W
MODEL	N/A	Imax(cd)	4046	S/MH(C0/180)	0.89	
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	0.87	
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	4295.0	□ UP,DN(C0-180)	0.2,50.1	
NOMINAL FLUX(lm)	4294.95	CIE CLASS	DIRECT	□ UP,DN(C180-360)	0.2,49.5	
LAMPS INSIDE	1	□ up(%)	0.4	CIBSE SHR NOM	1.00	
TEST VOLTAGE(V)	220	□ down(%)	99.6	CIBSE SHR MAX	1.00	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:09 December 2022

□ Range: 0 - 180DEG  
 □ 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

### ZONAL FLUX DIAGRAM:

°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum, lamp
10	3424	3508	3598	3608	3614	3575	3539	3495	0- 10	359.1	359.1	8.36,8.36
20	2708	2795	2942	2950	2941	2901	2871	2818	10- 20	899.8	1259	29.3,29.3
30	1993	2039	2115	2115	2080	2050	2059	2035	20- 30	1136	2395	55.8,55.8
40	1140	1158	1197	1178	1135	1114	1140	1152	30- 40	1000.0	3395	79,79
50	360.8	373.5	403.8	405.6	381.5	373.7	385.6	376.4	40- 50	543.4	3938	91.7,91.7
60	136.3	140.5	146.5	148.8	142.4	140.8	144.4	140.8	50- 60	210.0	4148	96.6,96.6
70	58.62	58.86	58.42	56.97	55.18	55.24	56.80	58.25	60- 70	94.83	4243	98.8,98.8
80	11.73	11.50	10.73	9.680	9.114	9.204	10.25	11.14	70- 80	32.15	4275	99.5,99.5
90	0.2480	0.2202	0.2271	0.1952	0.1772	0.1844	0.1652	0.1943	80- 90	3.268	4279	99.6,99.6
100	0.2330	0.2329	0.2326	0.2421	0.2449	0.2235	0.2351	0.2228	90-100	0.2127	4279	99.6,99.6
110	0.4863	0.4808	0.4884	0.4938	0.4803	0.4724	0.4944	0.4827	100-110	0.3554	4279	99.6,99.6
120	1.190	1.160	1.205	1.203	1.156	1.167	1.209	1.185	110-120	0.7716	4280	99.7,99.7
130	2.577	2.521	2.599	2.580	2.470	2.527	2.600	2.560	120-130	1.613	4282	99.7,99.7
140	4.527	4.464	4.558	4.488	4.291	4.409	4.553	4.497	130-140	2.673	4284	99.8,99.8
150	6.657	6.661	6.725	6.587	6.327	6.483	6.698	6.634	140-150	3.451	4288	99.8,99.8
160	8.660	8.694	8.683	8.547	8.419	8.492	8.644	8.623	150-160	3.491	4291	99.9,99.9
170	10.33	10.32	10.26	10.21	10.27	10.22	10.29	10.27	160-170	2.659	4294	100,100
180	11.21	11.14	11.15	11.13	11.22	11.14	11.15	11.12	170-180	1.017	4295	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 3730.8 lm

%lum = 86.9%

%lamp = 86.9%

Conical surface Flux(120deg): 4148.5 lm

%lum = 96.6%

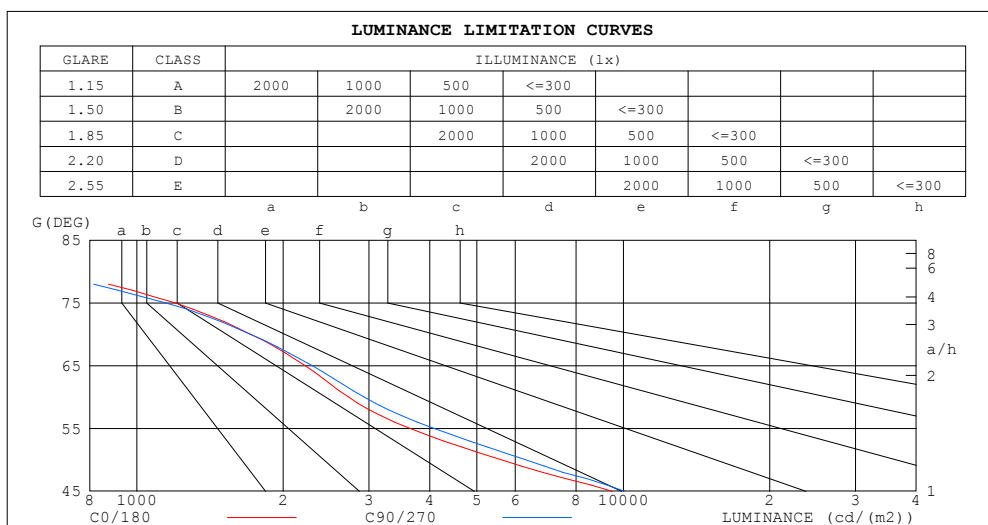
%lamp = 96.6%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:09 December 2022

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

## LUMINANCE LIMITATION CURVES

Test:U:220.09V I:0.1184A P:25.506W PF:0.9789 Freq:49.99Hz Lamp Flux:4294.95x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-60-X2-CG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	271	205
80	675	618
75	1196	1143
70	1711	1708
65	2215	2291
60	2722	2929
55	3639	4077
50	5604	6283
45	9490	10063

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YZY  
Test Date:09 December 2022

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

```

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:

```

**WEC AND CCEC**

Test:U:220.09V I:0.1184A P:25.506W PF:0.9789 Freq:49.99Hz Lamp Flux:4294.95x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-60-X2-CG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

□cc	80%	70%	50%	30%	10%	0
□w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
□fc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio Wall Exitance Coefficients (WEC)					
0.0						
1.0	.203 .115 .037	.196 .112 .036	.183 .105 .034	.171 .099 .032	.160 .093 .030	
2.0	.197 .108 .033	.191 .105 .032	.180 .100 .031	.169 .095 .030	.160 .091 .029	
3.0	.188 .100 .030	.183 .098 .029	.173 .094 .028	.164 .090 .028	.156 .086 .027	
4.0	.178 .093 .027	.174 .091 .027	.166 .088 .026	.158 .085 .026	.151 .082 .025	
5.0	.169 .086 .025	.165 .085 .025	.158 .082 .024	.151 .080 .024	.145 .077 .023	
6.0	.161 .081 .023	.157 .080 .023	.151 .077 .023	.145 .075 .022	.139 .073 .022	
7.0	.153 .076 .021	.150 .075 .021	.144 .073 .021	.139 .071 .021	.134 .069 .020	
8.0	.146 .071 .020	.143 .070 .020	.138 .069 .020	.133 .067 .019	.128 .066 .019	
9.0	.139 .067 .019	.136 .066 .019	.132 .065 .018	.127 .064 .018	.123 .063 .018	
10.0	.132 .064 .018	.130 .063 .018	.126 .062 .017	.122 .061 .017	.118 .059 .017	

□cc	80%	70%	50%	30%	10%	0
□w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
□fc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients (CCEC)					
0.0	.193 .193 .193	.165 .165 .165	.113 .113 .113	.065 .065 .065	.021 .021 .021	
1.0	.176 .160 .146	.150 .137 .125	.103 .094 .087	.059 .055 .050	.019 .018 .016	
2.0	.162 .135 .112	.139 .116 .097	.095 .081 .068	.055 .047 .040	.018 .015 .013	
3.0	.152 .117 .089	.130 .101 .077	.089 .070 .054	.052 .041 .032	.017 .013 .010	
4.0	.142 .102 .072	.122 .088 .062	.084 .062 .044	.049 .036 .026	.016 .012 .009	
5.0	.134 .091 .059	.115 .079 .052	.079 .055 .036	.046 .032 .022	.015 .011 .007	
6.0	.127 .082 .050	.109 .071 .043	.076 .050 .031	.044 .029 .018	.014 .010 .006	
7.0	.121 .075 .042	.104 .065 .037	.072 .045 .026	.042 .027 .016	.014 .009 .005	
8.0	.115 .069 .037	.099 .060 .032	.069 .042 .023	.040 .025 .014	.013 .008 .004	
9.0	.110 .064 .032	.095 .055 .028	.066 .039 .020	.038 .023 .012	.012 .008 .004	
10.0	.106 .059 .029	.091 .052 .025	.063 .036 .018	.037 .021 .011	.012 .007 .004	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:09 December 2022

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

**UGR(Unified Glare Rating) Table**

Test:U:220.09V I:0.1184A P:25.506W PF:0.9789 Freq:49.99Hz Lamp Flux:4294.95x1 lm										
NAME: Round X2 Series AC					TYPE:Floodlight			WEIGHT:N/A		
SPEC.:RND-25-100-240-5K-60-X2-CG-*					DIM.: N/A			SERIAL No.:N/A		
MFR.: Red Sky Lighting					SUR.:N/A			Shielding Angle:N/A		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	11.5	12.6	11.7	12.8	13.0	11.9	13.0	12.1	13.1	13.3
3H	11.6	12.6	11.8	12.8	13.0	11.9	12.9	12.2	13.1	13.3
4H	11.5	12.5	11.8	12.7	13.0	11.9	12.8	12.2	13.1	13.3
6H	11.5	12.4	11.8	12.6	12.9	11.8	12.7	12.1	13.0	13.2
8H	11.4	12.3	11.8	12.6	12.8	11.8	12.6	12.1	12.9	13.2
12H	11.4	12.2	11.7	12.5	12.8	11.7	12.5	12.1	12.8	13.1
4H 2H	11.4	12.4	11.7	12.6	12.8	11.7	12.7	12.0	12.9	13.2
3H	11.5	12.4	11.9	12.6	12.9	11.9	12.7	12.2	13.0	13.3
4H	11.6	12.3	11.9	12.6	12.9	11.9	12.6	12.2	12.9	13.2
6H	11.5	12.2	11.9	12.5	12.9	11.8	12.5	12.2	12.8	13.2
8H	11.5	12.1	11.9	12.4	12.8	11.8	12.4	12.2	12.7	13.1
12H	11.4	12.0	11.9	12.4	12.8	11.7	12.3	12.1	12.7	13.1
8H 4H	11.5	12.1	11.9	12.4	12.8	11.8	12.4	12.2	12.7	13.1
6H	11.4	11.9	11.9	12.3	12.8	11.7	12.2	12.2	12.6	13.1
8H	11.4	11.8	11.9	12.3	12.7	11.7	12.1	12.1	12.6	13.0
12H	11.4	11.7	11.8	12.2	12.7	11.6	12.0	12.1	12.5	12.9
12H 4H	11.4	12.0	11.8	12.4	12.8	11.7	12.3	12.1	12.7	13.1
6H	11.4	11.8	11.9	12.3	12.7	11.7	12.1	12.1	12.5	13.0
8H	11.4	11.7	11.8	12.2	12.7	11.6	12.0	12.1	12.5	12.9
Variations with the observer position at spacings:										
S = 1.0H	+ 1.8 / - 3.7					+ 1.8 / - 3.7				
1.5H	+ 2.7 / - 3.2					+ 2.8 / - 3.2				
2.0H	+ 4.0 / - 2.6					+ 3.9 / - 2.8				

 CIE Pub.117, 4295 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 5.1$ )

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:09 December 2022

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

### UTILIZATION FACTORS TABLE

Test:U:220.09V I:0.1184A P:25.506W PF:0.9789 Freq:49.99Hz Lamp Flux:4294.95x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-60-X2-CG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

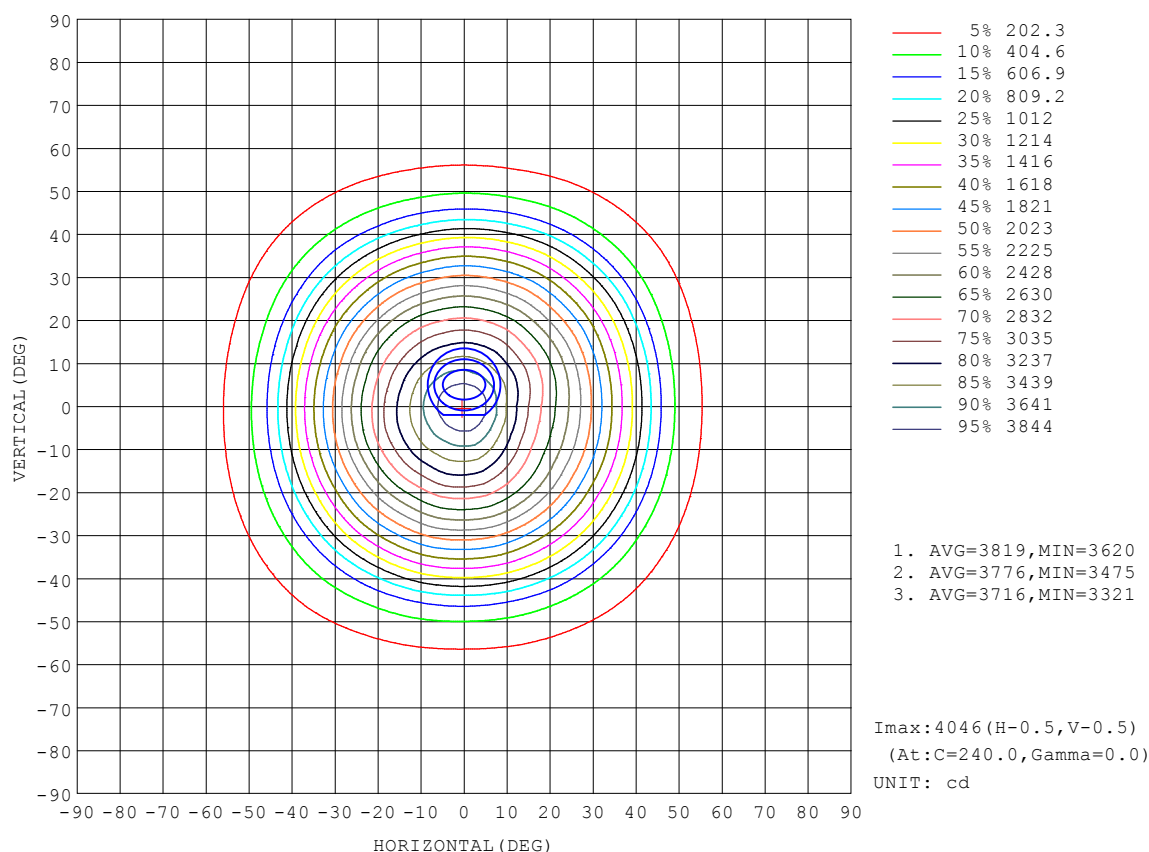
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	78	70	66	78	70	66	77	70	65	61
0.80	87	79	75	86	79	75	85	78	74	70
1.00	93	86	81	92	86	81	90	86	81	76
1.25	98	92	87	97	91	87	95	90	86	81
1.50	102	96	91	100	95	91	98	93	90	85
2.00	105	100	96	104	99	96	101	97	94	88
2.50	108	103	99	106	102	98	103	99	96	90
3.00	110	105	102	108	104	101	104	101	99	92
4.00	112	109	106	110	107	104	106	104	102	94
5.00	113	111	108	111	109	107	107	105	103	95
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHR NOM = 1.25		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: YZY  
 Test Date: 09 December 2022

☐ Range: 0 - 180DEG  
☐ 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:220.09V I:0.1184A P:25.506W PF:0.9789 Freq:49.99Hz Lamp Flux:4294.95x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-60-X2-CG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	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:09 December 2022

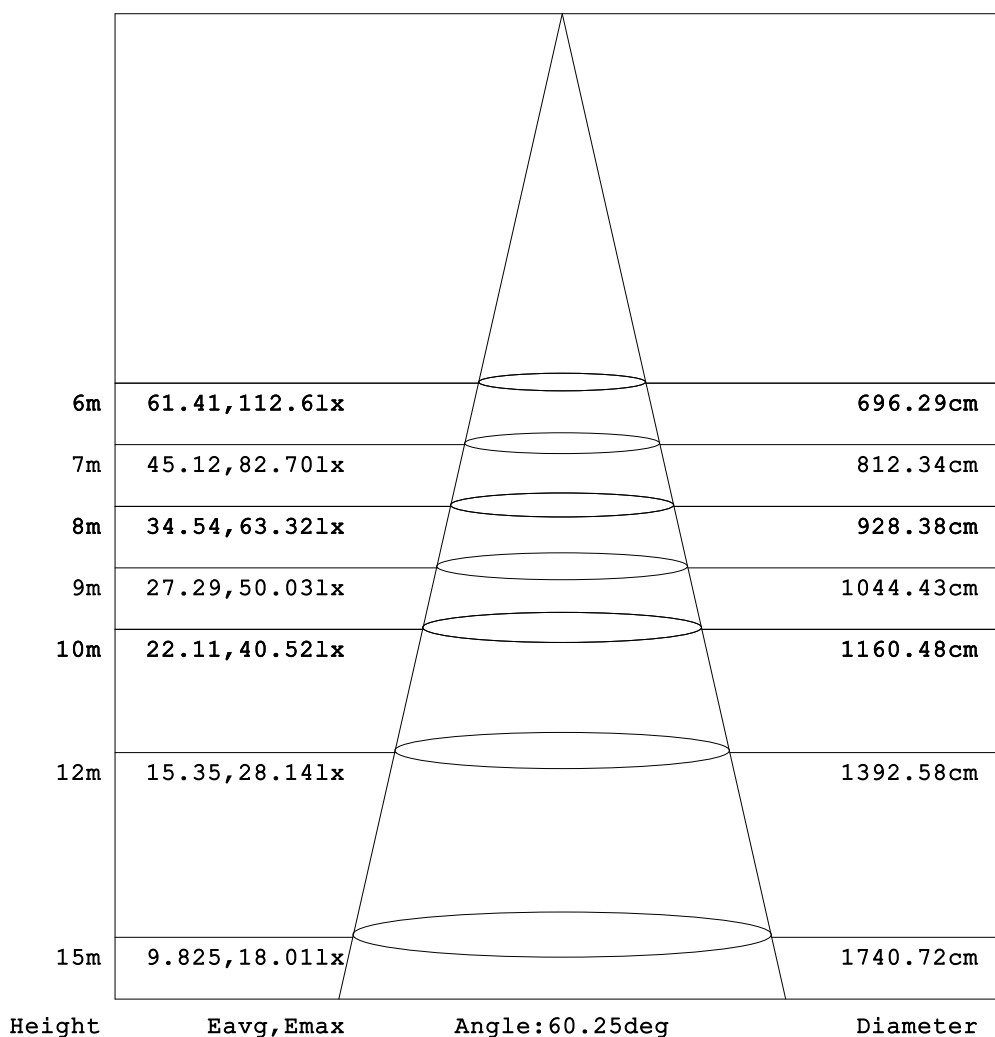
☐ Range: 0 - 180DEG  
☐ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:6.010m [K=1.0000]  
 Remarks:



### AAI Figure

Test:U:220.09V I:0.1184A P:25.506W PF:0.9789 Freq:49.99Hz Lamp Flux:4294.95x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-60-X2-CG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

Flux out:2507 lm



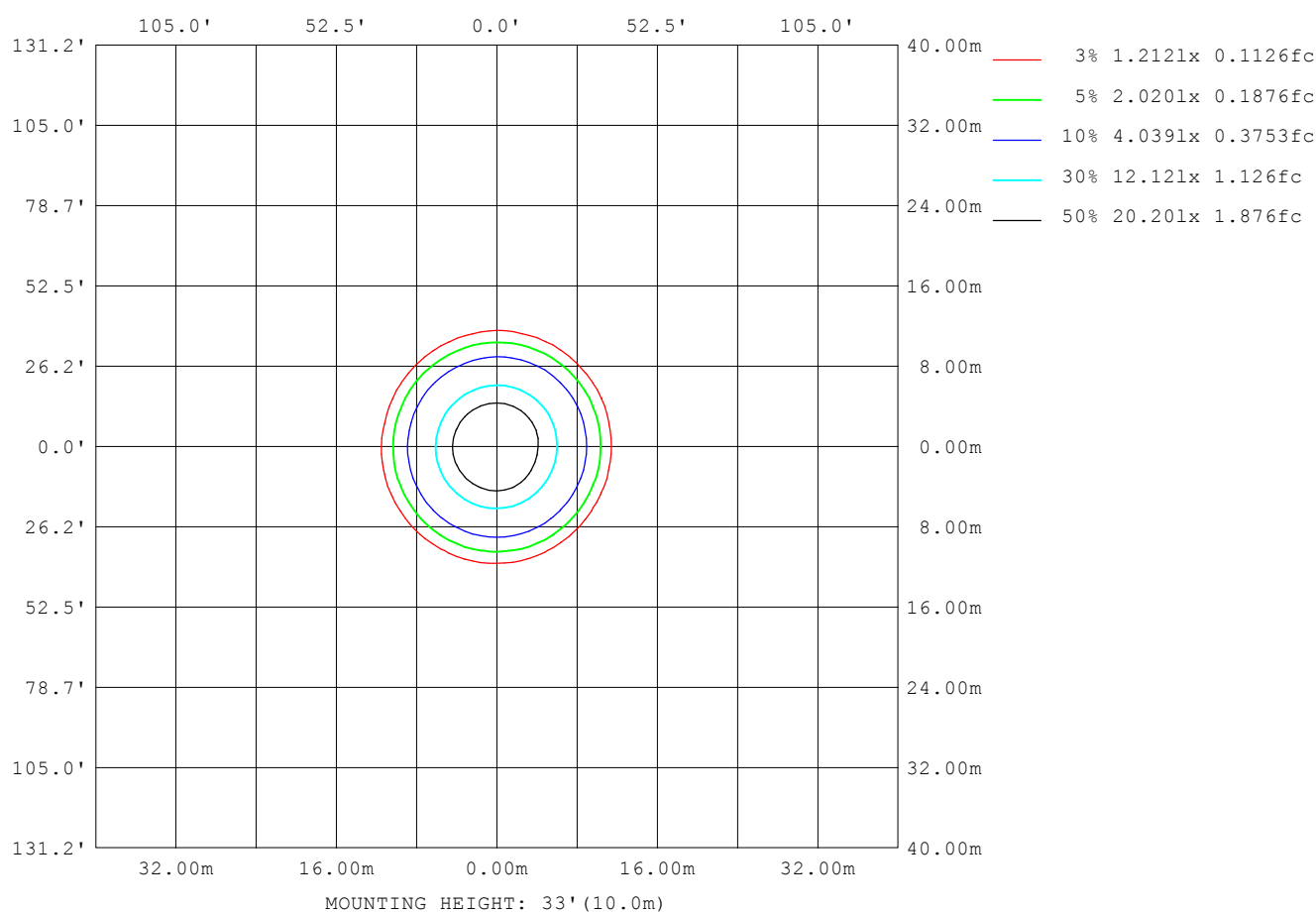
**Note:**The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:09 December 2022

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

### ISOLUX DIAGRAM

Test:U:220.09V I:0.1184A P:25.506W PF:0.9789 Freq:49.99Hz Lamp Flux:4294.95x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-60-X2-CG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	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:09 December 2022

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

### LED Avg.L Report

Test:U:220.09V I:0.1184A P:25.506W PF:0.9789 Freq:49.99Hz Lamp Flux:4294.95x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-60-X2-CG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

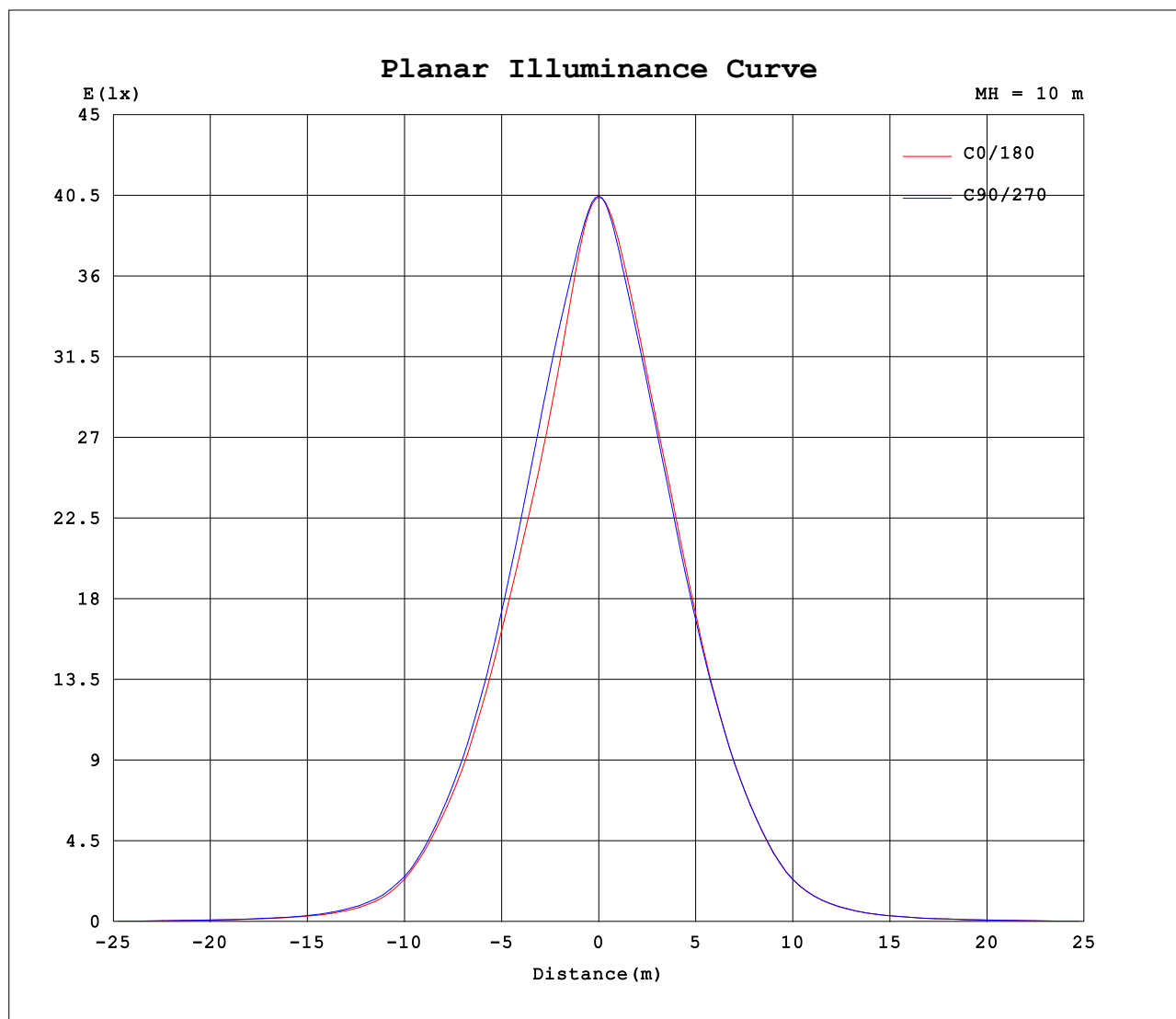
AvgL	cd/m2
L_0~180 (65) av	2201
L_0~180 (75) av	1114
L_0~180 (85) av	209
L_90~270 (65) av	2260
L_90~270 (75) av	1119
L_90~270 (85) av	199
L_45 (65) av	2234
L_45 (75) av	1115
L_45 (85) av	204

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:09 December 2022

☐ Range: 0 - 180DEG  
☐ 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: 09 December 2022

☐ Range: 0 - 180DEG  
☐ 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:220.09V I:0.1184A P:25.506W PF:0.9789 Freq:49.99Hz Lamp Flux:4294.95x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-60-X2-CG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

Table--1

UNIT: cd

C (DEG) □ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	4046	4046	4046	4046	4046	4046	4046	4046	4046	4046	4046	4046	4046	4046	4046	4046	4046	4046	4046
5	3851	3863	3860	3871	3879	3889	3883	3889	3882	3891	3886	3901	3911	3906	3905	3886	3875	3862	3864
10	3424	3446	3461	3508	3563	3602	3598	3600	3594	3608	3601	3604	3614	3604	3597	3575	3563	3544	3539
15	3036	3035	3060	3139	3219	3286	3302	3316	3298	3308	3299	3295	3284	3257	3252	3240	3233	3218	3224
20	2708	2697	2721	2795	2867	2928	2942	2959	2937	2950	2950	2956	2941	2914	2912	2901	2890	2869	2871
25	2385	2380	2396	2451	2503	2543	2547	2560	2539	2548	2544	2550	2542	2515	2520	2506	2496	2475	2481
30	1993	1998	2001	2039	2075	2111	2115	2133	2113	2115	2095	2090	2080	2056	2061	2050	2050	2041	2059
35	1566	1575	1570	1598	1623	1658	1662	1681	1661	1660	1630	1622	1614	1594	1596	1584	1587	1586	1609
40	1140	1144	1143	1158	1178	1197	1197	1207	1188	1178	1150	1140	1135	1118	1122	1114	1112	1114	1140
45	672	678	674	688	701	714	711	719	704	698	678	674	667	660	656	661	650	661	670
50	361	361	360	374	387	402	404	413	405	406	395	391	382	370	373	374	376	377	386
55	209	210	209	217	225	234	234	238	235	236	231	228	223	217	219	220	222	223	225
60	136	137	136	141	143	148	146	149	147	149	145	145	142	139	141	141	143	142	144
65	93.8	93.7	93.5	94.2	96.1	96.8	96.8	96.9	96.4	95.8	94.4	93.5	92.2	91.8	92.1	92.6	93.1	93.5	94.2
70	58.6	58.8	58.1	58.9	59.2	59.6	58.4	58.3	57.0	57.0	55.5	55.7	55.2	54.4	55.3	55.2	55.5	55.6	56.8
75	31.0	31.1	30.4	30.7	30.6	30.8	29.6	29.1	28.1	27.9	26.5	27.1	26.7	25.9	26.9	26.8	26.8	27.2	28.4
80	11.7	11.7	11.4	11.5	11.3	11.4	10.7	10.3	9.74	9.68	8.97	9.26	9.11	8.69	9.23	9.20	9.25	9.55	10.2
85	2.37	2.34	2.24	2.24	2.09	2.08	1.79	1.69	1.51	1.48	1.33	1.35	1.27	1.23	1.32	1.33	1.40	1.44	1.67
90	0.25	0.22	0.24	0.22	0.22	0.21	0.23	0.19	0.22	0.20	0.20	0.19	0.18	0.17	0.17	0.18	0.16	0.19	0.17
95	0.20	0.19	0.20	0.19	0.19	0.19	0.20	0.19	0.19	0.20	0.19	0.19	0.19	0.17	0.18	0.17	0.18	0.17	0.18
100	0.23	0.24	0.23	0.23	0.23	0.24	0.23	0.24	0.23	0.24	0.23	0.24	0.24	0.22	0.23	0.22	0.24	0.23	0.24
105	0.33	0.32	0.32	0.33	0.32	0.33	0.33	0.34	0.33	0.34	0.33	0.34	0.33	0.31	0.32	0.32	0.33	0.33	0.33
110	0.49	0.48	0.48	0.48	0.48	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.48	0.47	0.47	0.47	0.49	0.49	0.49
115	0.76	0.74	0.74	0.74	0.75	0.75	0.77	0.77	0.78	0.77	0.77	0.76	0.74	0.73	0.73	0.74	0.76	0.78	0.77
120	1.19	1.16	1.17	1.16	1.17	1.17	1.21	1.20	1.22	1.20	1.21	1.19	1.16	1.15	1.15	1.17	1.19	1.22	1.21
125	1.80	1.75	1.77	1.76	1.77	1.77	1.82	1.81	1.84	1.81	1.82	1.79	1.73	1.74	1.73	1.76	1.79	1.84	1.82
130	2.58	2.52	2.54	2.52	2.54	2.54	2.60	2.58	2.62	2.58	2.60	2.55	2.47	2.49	2.47	2.53	2.56	2.62	2.60
135	3.50	3.44	3.47	3.44	3.47	3.46	3.53	3.50	3.54	3.49	3.50	3.44	3.34	3.36	3.35	3.42	3.47	3.55	3.53
140	4.53	4.46	4.49	4.46	4.51	4.49	4.56	4.53	4.57	4.49	4.49	4.42	4.29	4.32	4.31	4.41	4.48	4.58	4.55
145	5.60	5.54	5.57	5.56	5.61	5.60	5.65	5.62	5.65	5.54	5.52	5.44	5.30	5.33	5.34	5.46	5.55	5.66	5.64
150	6.66	6.62	6.67	6.66	6.70	6.68	6.73	6.69	6.69	6.59	6.54	6.46	6.33	6.35	6.37	6.48	6.59	6.70	6.70
155	7.67	7.66	7.71	7.71	7.72	7.70	7.73	7.70	7.68	7.58	7.54	7.48	7.37	7.38	7.40	7.49	7.58	7.69	7.69
160	8.66	8.68	8.71	8.69	8.69	8.67	8.68	8.65	8.62	8.55	8.52	8.49	8.42	8.41	8.42	8.49	8.56	8.65	8.64
165	9.57	9.58	9.59	9.58	9.56	9.54	9.54	9.52	9.48	9.43	9.42	9.43	9.41	9.38	9.37	9.42	9.47	9.53	9.53
170	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.2	10.2	10.2	10.2	10.2	10.3	10.2	10.2	10.2	10.3	10.3	10.3
175	10.9	10.9	10.9	10.9	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.9	10.9	10.8	10.8	10.9	10.9	10.9
180	11.2	11.2	11.1	11.1	11.1	11.1	11.2	11.1	11.1	11.1	11.1	11.1	11.2	11.2	11.2	11.1	11.1	11.1	11.2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YZY  
Test Date:09 December 2022

□ Range: 0 - 180DEG  
□ 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:220.09V I:0.1184A P:25.506W PF:0.9789 Freq:49.99Hz Lamp Flux:4294.95x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-60-X2-CG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

Table--2

UNIT: cd

C (DEG) □ (DEG)	285	300	315	330	345														
0	4046	4046	4046	4046	4046														
5	3851	3857	3851	3862	3854														
10	3519	3512	3495	3488	3449														
15	3218	3209	3168	3144	3093														
20	2859	2854	2818	2801	2758														
25	2469	2470	2445	2443	2415														
30	2053	2058	2035	2034	2008														
35	1609	1621	1601	1601	1574														
40	1145	1162	1152	1156	1141														
45	673	684	676	687	675														
50	382	385	376	376	365														
55	223	224	219	218	211														
60	142	143	141	141	137														
65	94.7	94.5	94.9	94.9	93.7														
70	57.0	58.2	58.3	59.4	58.6														
75	28.4	29.9	30.0	31.0	30.6														
80	10.2	11.1	11.1	11.5	11.5														
85	1.66	1.98	2.06	2.16	2.23														
90	0.18	0.17	0.19	0.17	0.20														
95	0.17	0.18	0.17	0.18	0.17														
100	0.23	0.23	0.22	0.23	0.22														
105	0.33	0.33	0.32	0.32	0.31														
110	0.49	0.49	0.48	0.48	0.47														
115	0.78	0.76	0.76	0.74	0.73														
120	1.22	1.19	1.19	1.15	1.14														
125	1.84	1.79	1.79	1.74	1.73														
130	2.63	2.56	2.56	2.49	2.49														
135	3.56	3.48	3.48	3.40	3.39														
140	4.59	4.51	4.50	4.40	4.39														
145	5.69	5.61	5.57	5.46	5.44														
150	6.74	6.67	6.63	6.52	6.49														
155	7.73	7.67	7.65	7.55	7.51														
160	8.68	8.64	8.62	8.55	8.52														
165	9.54	9.52	9.51	9.46	9.45														
170	10.3	10.3	10.3	10.2	10.2														
175	10.9	10.8	10.8	10.9	10.8														
180	11.1	11.1	11.1	11.1	11.1														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:09 December 2022

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