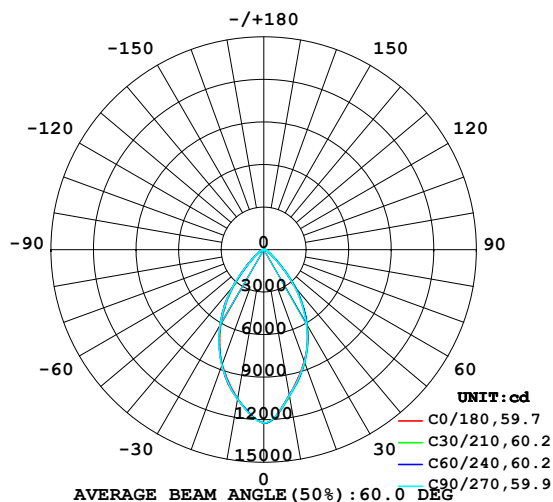


**LUMINAIRE PHOTOMETRIC TEST REPORT**

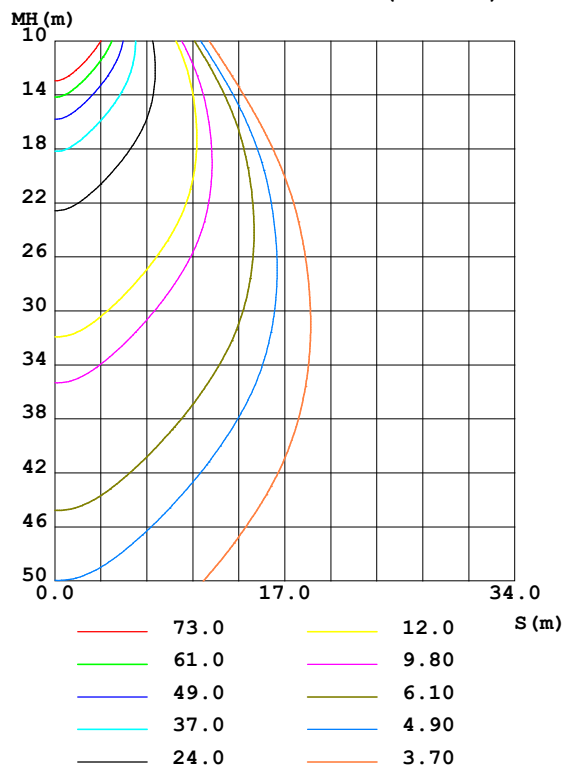
Test:U:220.19V I:0.3450A P:74.979W PF:0.9871 Freq:49.99Hz Lamp Flux:12637.5x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-60-X2-CG-*--EM	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 168.55 lm/W
MODEL	N/A	I <sub>max</sub> (cd)	12222	S/MH(C0/180)	0.86	
NOMINAL POWER(W)	75	LOR(%)	100.0	S/MH(C90/270)	0.87	
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	12637	□ UP,DN(C0-180)	0.2,49.5	
NOMINAL FLUX(lm)	12637.5	CIE CLASS	DIRECT	□ UP,DN(C180-360)	0.2,50.1	
LAMPS INSIDE	1	□ up(%)	0.4	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	220	□ down(%)	99.6	CIBSE SHR MAX	0.95	

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:10 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	1046	1047	1043	1050	1068	1066	1070	1049	0- 10	1074	1074	8.49,8.49
20	837.7	847.8	841.0	833.4	860.7	865.1	868.8	832.7	10- 20	2666	3740	29.6,29.6
30	607.6	614.1	600.5	590.7	605.7	615.6	619.0	604.2	20- 30	3354	7094	56.1,56.1
40	342.5	350.5	332.9	321.2	328.4	337.0	343.8	339.8	30- 40	2937	10031	79.4,79.4
50	112.6	116.3	108.4	101.5	107.8	113.2	114.5	109.3	40- 50	1577	11607	91.8,91.8
60	42.23	42.42	40.41	38.81	40.02	41.01	42.04	41.08	50- 60	607.1	12215	96.7,96.7
70	17.24	17.37	16.23	15.54	15.41	15.44	16.40	16.75	60- 70	272.0	12487	98.8,98.8
80	3.620	3.737	3.279	2.910	2.796	2.730	3.093	3.399	70- 80	93.22	12580	99.5,99.5
90	0.0620	0.0617	0.0563	0.0501	0.0425	0.0436	0.0405	0.0454	80- 90	10.28	12590	99.6,99.6
100	0.0616	0.0609	0.0633	0.0631	0.0645	0.0628	0.0592	0.0577	90-100	0.5354	12591	99.6,99.6
110	0.1342	0.1347	0.1412	0.1376	0.1378	0.1395	0.1300	0.1247	100-110	0.9683	12592	99.6,99.6
120	0.3346	0.3421	0.3548	0.3492	0.3432	0.3482	0.3292	0.3129	110-120	2.185	12594	99.7,99.7
130	0.7362	0.7514	0.7729	0.7603	0.7420	0.7519	0.7248	0.6965	120-130	4.660	12598	99.7,99.7
140	1.308	1.330	1.364	1.332	1.295	1.312	1.286	1.252	130-140	7.801	12606	99.8,99.8
150	1.932	1.980	2.011	1.971	1.904	1.927	1.918	1.885	140-150	10.13	12616	99.8,99.8
160	2.533	2.577	2.598	2.567	2.514	2.514	2.515	2.499	150-160	10.30	12627	99.9,99.9
170	3.041	3.048	3.060	3.041	3.050	3.020	3.023	3.021	160-170	7.863	12634	100,100
180	3.316	3.295	3.293	3.289	3.319	3.295	3.294	3.289	170-180	3.007	12637	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 11007 lm

%lum = 87.1%

%lamp = 87.1%

Conical surface Flux(120deg): 12215 lm

%lum = 96.7%

%lamp = 96.7%

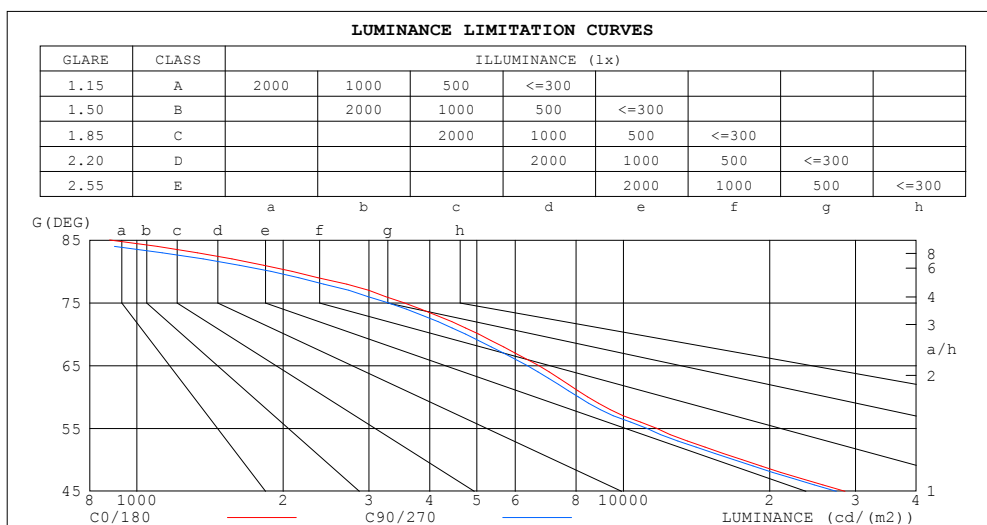
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:10 December 2022

☐ 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:220.19V I:0.3450A P:74.979W PF:0.9871 Freq:49.99Hz Lamp Flux:12637.5x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-60-X2-CG-*-EM	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	879	688
80	2086	1888
75	3541	3281
70	5044	4743
65	6695	6343
60	8451	8079
55	11692	11157
50	17524	16859
45	28566	27419

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YZY  
Test Date:10 December 2022

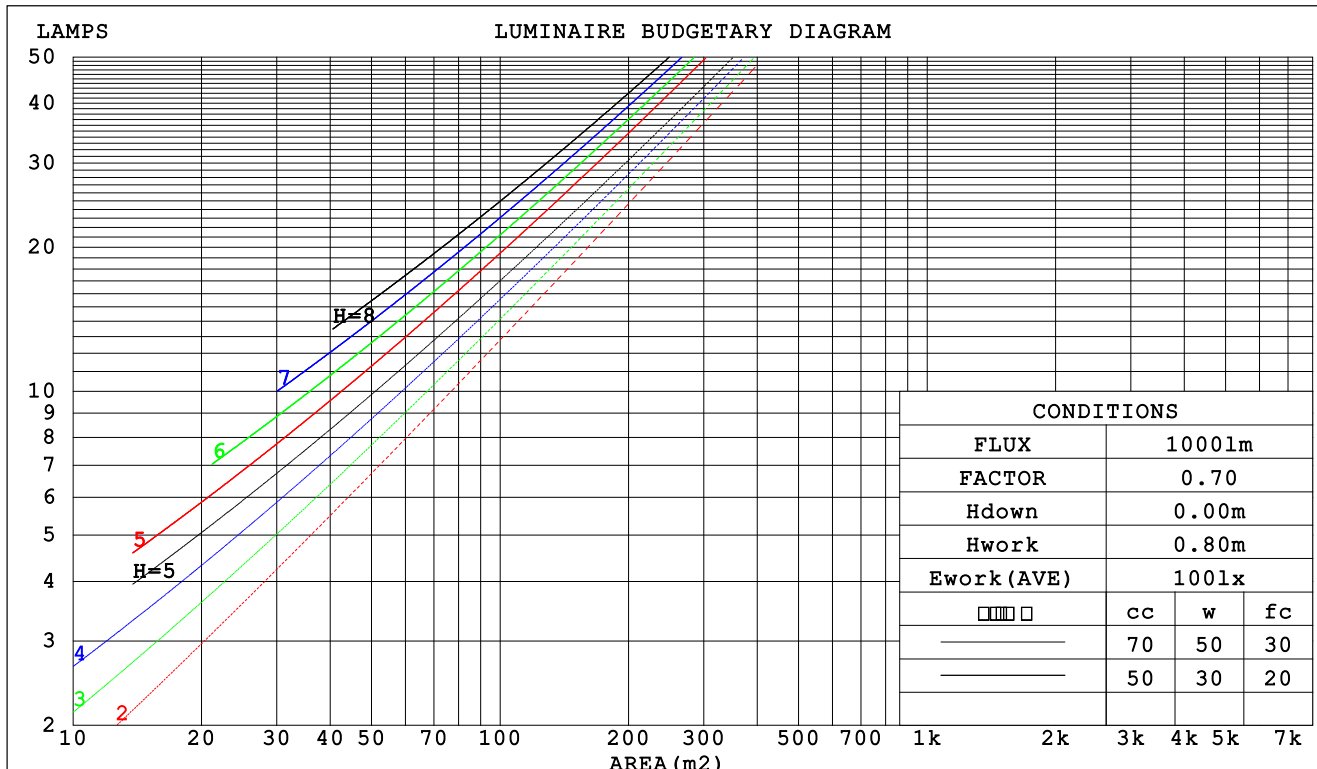
☐ Range: 0 - 180DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity:65.0%  
Test Distance:6.010m [K=1.0000]  
Remarks:



### CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.19V I:0.3450A P:74.979W PF:0.9871 Freq:49.99Hz Lamp Flux:12637.5x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-60-X2-CG--EM	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						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.09	1.07	1.04	1.07	1.05	1.02	1.03	1.01	.99	.99	.98	.96	.96	.94	.93	.91
2.0	1.00	.96	.92	.99	.94	.91	.95	.92	.89	.92	.89	.87	.89	.87	.85	.83
3.0	.92	.87	.82	.91	.86	.81	.88	.84	.80	.85	.82	.79	.83	.80	.77	.76
4.0	.85	.79	.74	.84	.78	.73	.82	.76	.72	.79	.75	.72	.77	.74	.71	.69
5.0	.79	.72	.67	.78	.71	.67	.76	.70	.66	.74	.69	.65	.72	.68	.65	.63
6.0	.73	.66	.61	.72	.66	.61	.70	.65	.61	.69	.64	.60	.68	.63	.60	.58
7.0	.68	.61	.56	.67	.61	.56	.66	.60	.56	.64	.59	.55	.63	.59	.55	.54
8.0	.63	.57	.52	.63	.56	.52	.62	.56	.52	.60	.55	.51	.59	.55	.51	.50
9.0	.59	.53	.48	.59	.52	.48	.58	.52	.48	.57	.52	.48	.56	.51	.48	.46
10.0	.56	.49	.45	.55	.49	.45	.54	.49	.45	.53	.48	.45	.53	.48	.44	.43



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:10 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:



**WEC AND CCEC**

Test:U:220.19V I:0.3450A P:74.979W PF:0.9871 Freq:49.99Hz Lamp Flux:12637.5x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-60-X2-CG-*-EM	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	.202 .115 .036	.195 .112 .035	.183 .105 .033	.171 .098 .032	.160 .093 .030	
2.0	.196 .107 .033	.190 .105 .032	.179 .100 .031	.169 .095 .030	.159 .090 .028	
3.0	.187 .100 .030	.182 .097 .029	.172 .093 .028	.164 .090 .027	.155 .086 .027	
4.0	.178 .092 .027	.173 .091 .027	.165 .087 .026	.157 .084 .025	.150 .082 .025	
5.0	.169 .086 .025	.165 .085 .025	.158 .082 .024	.151 .080 .024	.144 .077 .023	
6.0	.160 .080 .023	.157 .079 .023	.150 .077 .022	.144 .075 .022	.139 .073 .022	
7.0	.152 .075 .021	.149 .074 .021	.144 .073 .021	.138 .071 .021	.133 .069 .020	
8.0	.145 .071 .020	.142 .070 .020	.137 .069 .020	.132 .067 .019	.128 .066 .019	
9.0	.138 .067 .019	.136 .066 .019	.131 .065 .018	.127 .064 .018	.123 .062 .018	
10.0	.132 .063 .018	.130 .063 .018	.126 .062 .017	.122 .060 .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 .113	.139 .116 .097	.095 .081 .068	.055 .047 .040	.018 .015 .013	
3.0	.151 .117 .089	.130 .101 .077	.089 .070 .054	.051 .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	.075 .050 .031	.044 .029 .018	.014 .010 .006	
7.0	.121 .075 .042	.104 .065 .037	.072 .045 .026	.042 .027 .016	.013 .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	.105 .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:10 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:220.19V I:0.3450A P:74.979W PF:0.9871 Freq:49.99Hz Lamp Flux:12637.5x1 lm										
NAME: Round X2 Series AC-EM					TYPE:Floodlight			WEIGHT:N/A		
SPEC.:RND-75-100-240-5K-60-X2-CG-*--EM					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	11.8	12.9	12.1	13.1	13.3	11.7	12.8	11.9	13.0	13.2
3H	11.9	12.9	12.1	13.1	13.3	11.7	12.7	12.0	13.0	13.2
4H	11.8	12.8	12.1	13.0	13.3	11.7	12.7	12.0	12.9	13.1
6H	11.8	12.7	12.1	12.9	13.2	11.7	12.5	12.0	12.8	13.1
8H	11.7	12.6	12.1	12.9	13.1	11.6	12.5	11.9	12.7	13.0
12H	11.7	12.5	12.0	12.8	13.1	11.6	12.4	11.9	12.7	13.0
4H 2H	11.7	12.7	12.0	12.9	13.1	11.6	12.6	11.9	12.8	13.0
3H	11.8	12.7	12.2	12.9	13.2	11.7	12.5	12.1	12.8	13.1
4H	11.9	12.6	12.2	12.9	13.2	11.7	12.5	12.1	12.8	13.1
6H	11.8	12.5	12.2	12.8	13.2	11.7	12.3	12.1	12.7	13.0
8H	11.8	12.4	12.2	12.7	13.1	11.6	12.2	12.0	12.6	13.0
12H	11.7	12.3	12.1	12.7	13.1	11.6	12.1	12.0	12.5	12.9
8H 4H	11.8	12.4	12.2	12.7	13.1	11.6	12.2	12.0	12.6	13.0
6H	11.7	12.2	12.2	12.6	13.1	11.6	12.1	12.0	12.5	12.9
8H	11.7	12.1	12.2	12.6	13.0	11.6	12.0	12.0	12.4	12.9
12H	11.7	12.0	12.1	12.5	13.0	11.5	11.9	12.0	12.3	12.8
12H 4H	11.7	12.3	12.1	12.6	13.0	11.6	12.1	12.0	12.5	12.9
6H	11.7	12.1	12.1	12.5	13.0	11.6	12.0	12.0	12.4	12.9
8H	11.7	12.0	12.1	12.5	13.0	11.5	11.9	12.0	12.3	12.8
Variations with the observer position at spacings:										
S = 1.0H	+ 1.8 / - 3.7					+ 1.9 / - 3.8				
1.5H	+ 2.7 / - 2.9					+ 2.7 / - 2.9				
2.0H	+ 3.7 / - 2.7					+ 3.7 / - 2.7				

 CIE Pub.117, 12637 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 8.8$ )

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:10 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:220.19V I:0.3450A P:74.979W PF:0.9871 Freq:49.99Hz Lamp Flux:12637.5x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-60-X2-CG-*-EM	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	71	66	78	70	66	77	70	66	61
0.80	87	80	75	86	79	75	85	79	74	70
1.00	93	86	82	92	86	81	90	86	81	76
1.25	98	92	88	97	91	87	95	90	86	81
1.50	102	96	92	100	95	91	98	93	90	85
2.00	106	100	97	104	99	96	101	97	94	88
2.50	108	103	99	106	102	98	103	99	97	90
3.00	110	106	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	104	95
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHR NOM = 1.25		

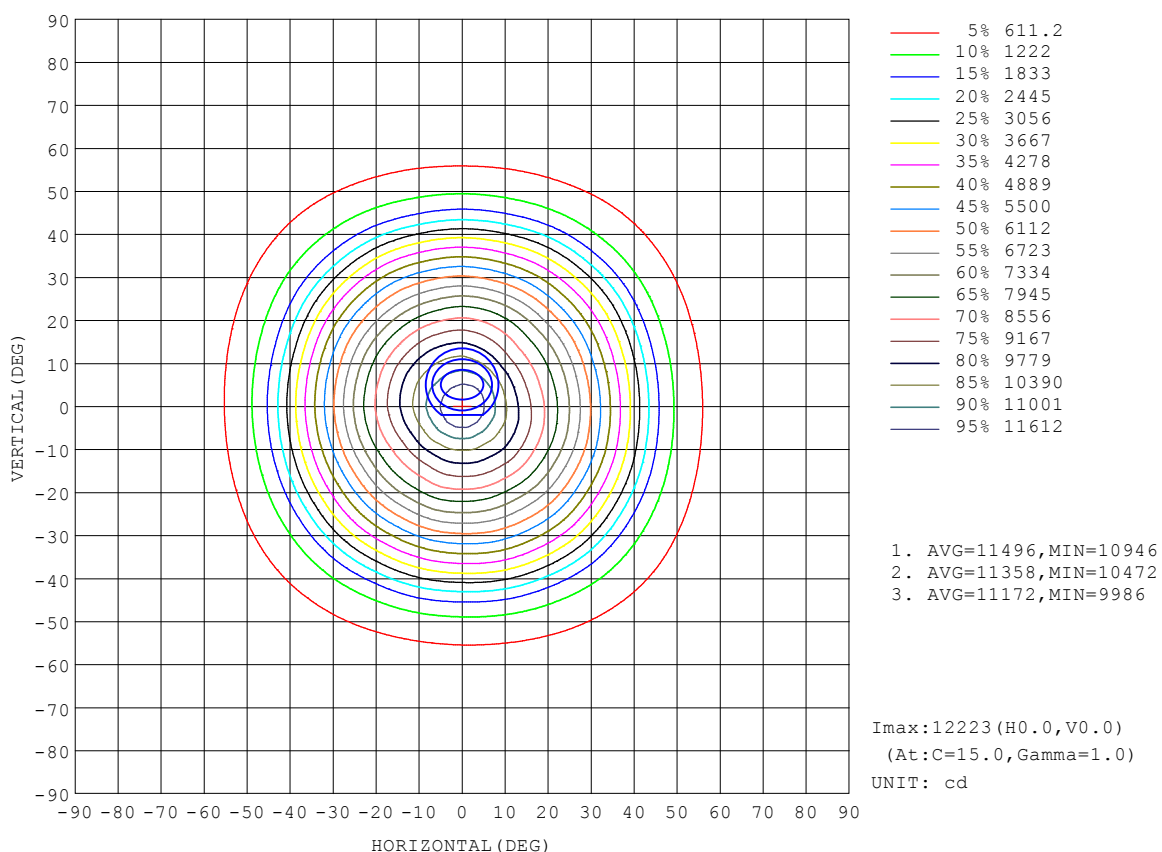
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: YZY  
 Test Date: 10 December 2022

☐ 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:220.19V I:0.3450A P:74.979W PF:0.9871 Freq:49.99Hz Lamp Flux:12637.5x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-60-X2-CG-*-EM	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:10 December 2022

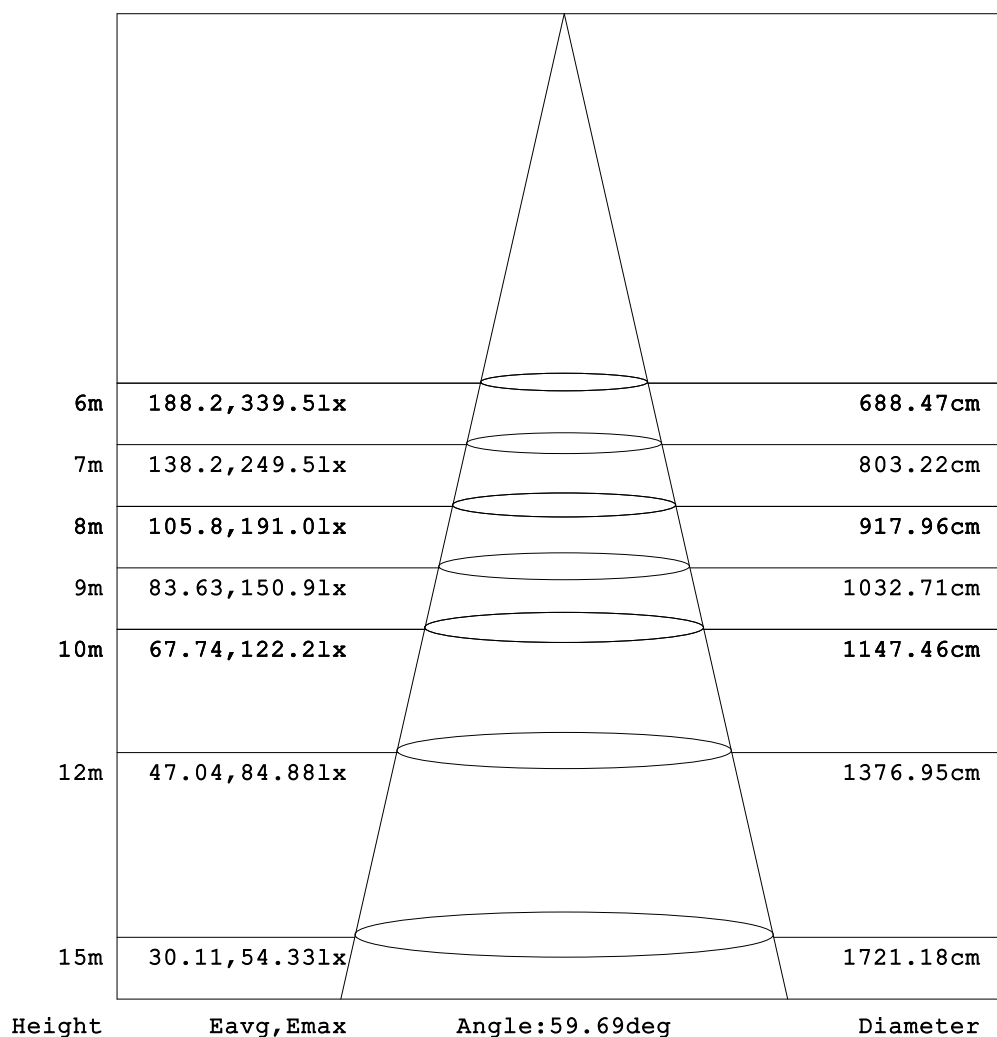
☐ Range: 0 - 180DEG  
☐ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:6.010m [K=1.0000]  
 Remarks:



### AAI Figure

Test:U:220.19V I:0.3450A P:74.979W PF:0.9871 Freq:49.99Hz Lamp Flux:12637.5x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-60-X2-CG-*-EM	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

Flux out:7094 lm



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

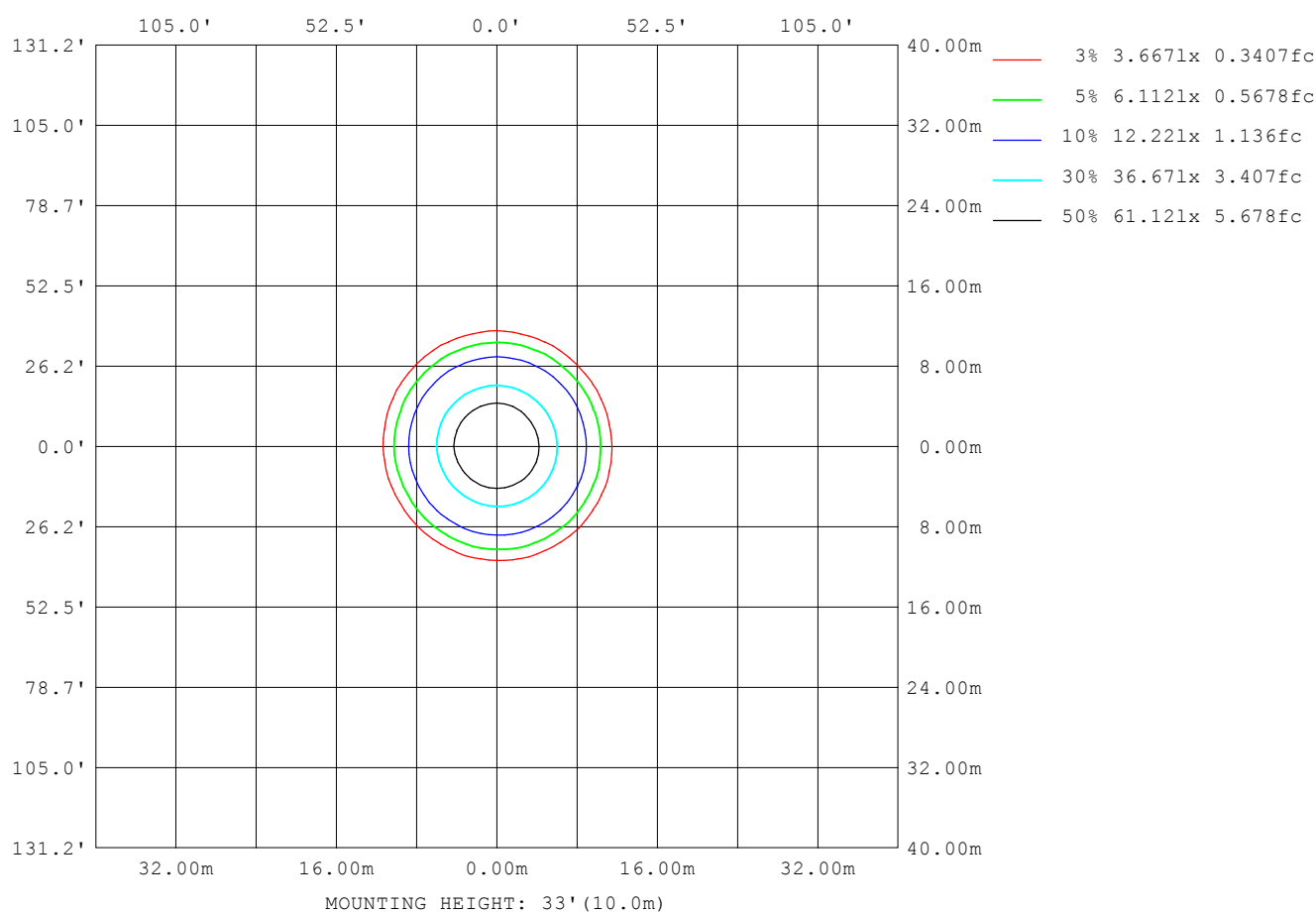
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:10 December 2022

☐ 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:220.19V I:0.3450A P:74.979W PF:0.9871 Freq:49.99Hz Lamp Flux:12637.5x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-60-X2-CG-*--EM	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:10 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:220.19V I:0.3450A P:74.979W PF:0.9871 Freq:49.99Hz Lamp Flux:12637.5x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-60-X2-CG-*-EM	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	6406
L_0~180 (75) av	3251
L_0~180 (85) av	676
L_90~270 (65) av	6428
L_90~270 (75) av	3247
L_90~270 (85) av	638
L_45 (65) av	6395
L_45 (75) av	3238
L_45 (85) av	654

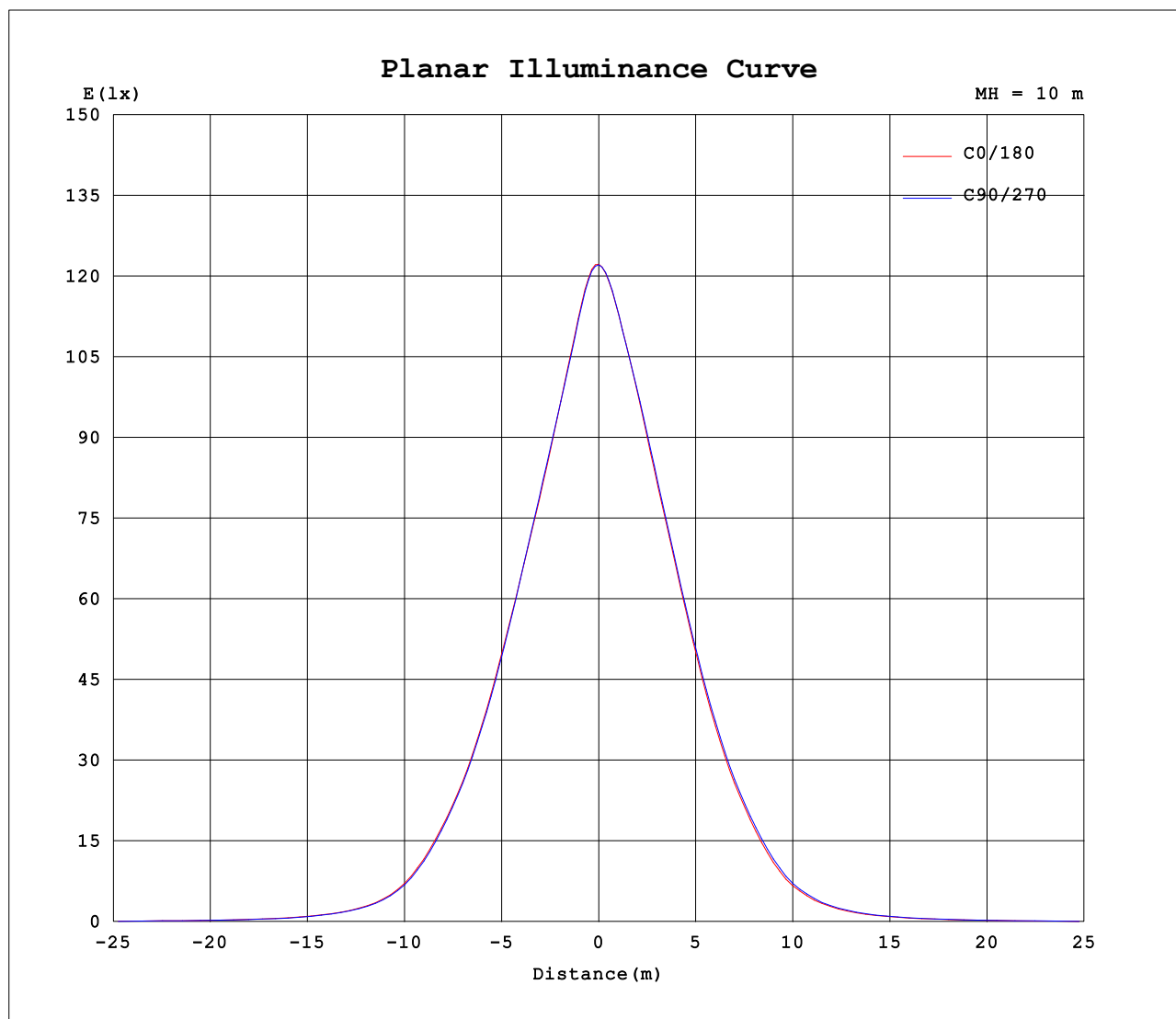
Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:10 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: 10 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:220.19V I:0.3450A P:74.979W PF:0.9871 Freq:49.99Hz Lamp Flux:12637.5x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-60-X2-CG-*-EM	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

Table--1

UNIT: ×10cd

C (DEG) □ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222
5	1162	1165	1161	1163	1159	1162	1158	1161	1160	1163	1160	1161	1162	1159	1160	1157	1160	1160	1164
10	1046	1051	1047	1047	1042	1046	1043	1045	1043	1050	1051	1059	1068	1069	1070	1066	1068	1068	1070
15	937	948	950	953	946	946	943	942	934	936	940	953	966	971	975	976	977	974	974
20	838	845	846	848	842	843	841	842	833	833	837	850	861	862	866	865	866	865	869
25	732	737	734	735	729	730	727	728	720	721	722	732	741	740	745	744	746	745	751
30	608	613	611	614	608	608	600	598	590	591	589	596	606	607	615	616	619	616	619
35	475	481	481	485	479	478	468	465	457	458	454	460	468	470	479	480	484	481	482
40	343	348	346	351	344	343	333	330	321	321	317	322	328	328	336	337	343	339	344
45	202	206	205	207	202	201	194	192	184	184	180	184	189	189	195	196	200	198	202
50	113	115	115	116	114	113	108	107	102	102	101	104	108	109	113	113	115	114	115
55	67.0	67.6	68.1	67.4	67.0	65.5	64.0	62.1	60.8	59.6	60.0	60.9	62.9	64.8	65.3	66.4	66.5	67.2	66.7
60	42.2	42.9	42.4	42.4	41.7	41.6	40.4	39.9	38.8	38.8	38.4	39.2	40.0	40.2	41.0	41.0	41.7	41.6	42.0
65	28.3	28.7	28.3	28.4	27.8	27.7	26.8	26.6	25.8	25.8	25.4	25.6	25.9	25.8	26.3	26.3	27.0	27.0	27.5
70	17.2	17.5	17.3	17.4	16.9	16.8	16.2	16.2	15.5	15.5	15.1	15.3	15.4	15.1	15.6	15.4	15.9	15.9	16.4
75	9.16	9.32	9.21	9.20	8.99	8.86	8.50	8.29	7.95	7.82	7.59	7.62	7.67	7.56	7.70	7.68	7.87	7.98	8.31
80	3.62	3.76	3.69	3.74	3.55	3.51	3.28	3.18	2.95	2.91	2.77	2.81	2.80	2.70	2.77	2.73	2.87	2.88	3.09
85	0.77	0.80	0.77	0.78	0.68	0.69	0.60	0.57	0.51	0.50	0.44	0.44	0.41	0.37	0.39	0.38	0.43	0.45	0.51
90	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04
95	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.05	0.04
100	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
105	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
110	0.13	0.13	0.14	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.14	0.13
115	0.21	0.21	0.22	0.21	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.21	0.22	0.21
120	0.33	0.33	0.34	0.34	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.34	0.35	0.34	0.35	0.34	0.34	0.33
125	0.51	0.51	0.52	0.52	0.53	0.53	0.54	0.53	0.54	0.53	0.54	0.53	0.52	0.52	0.52	0.53	0.52	0.52	0.50
130	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.77	0.76	0.77	0.76	0.74	0.75	0.75	0.75	0.74	0.74	0.72
135	1.01	1.01	1.02	1.02	1.04	1.04	1.05	1.04	1.05	1.03	1.04	1.03	1.01	1.02	1.01	1.02	1.01	1.01	0.99
140	1.31	1.31	1.33	1.33	1.35	1.35	1.36	1.35	1.36	1.33	1.33	1.32	1.30	1.31	1.30	1.31	1.31	1.31	1.29
145	1.62	1.62	1.64	1.66	1.68	1.68	1.69	1.68	1.68	1.65	1.65	1.63	1.60	1.61	1.61	1.62	1.62	1.63	1.60
150	1.93	1.94	1.96	1.98	2.01	2.01	2.01	2.00	2.00	1.97	1.96	1.94	1.90	1.91	1.91	1.93	1.93	1.94	1.92
155	2.23	2.25	2.27	2.29	2.31	2.31	2.31	2.30	2.30	2.27	2.26	2.24	2.21	2.21	2.20	2.22	2.23	2.24	2.22
160	2.53	2.55	2.57	2.58	2.59	2.59	2.60	2.59	2.59	2.57	2.56	2.54	2.51	2.50	2.50	2.51	2.52	2.53	2.51
165	2.81	2.82	2.83	2.83	2.84	2.84	2.85	2.85	2.84	2.83	2.82	2.81	2.80	2.78	2.77	2.78	2.78	2.80	2.79
170	3.04	3.04	3.05	3.05	3.05	3.05	3.06	3.06	3.05	3.04	3.04	3.04	3.05	3.03	3.02	3.02	3.02	3.03	3.02
175	3.22	3.22	3.22	3.21	3.21	3.21	3.22	3.21	3.21	3.20	3.20	3.21	3.23	3.22	3.20	3.20	3.20	3.20	3.20
180	3.32	3.31	3.30	3.30	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.30	3.32	3.31	3.30	3.29	3.29	3.29	3.29

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YZY  
Test Date:10 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:220.19V I:0.3450A P:74.979W PF:0.9871 Freq:49.99Hz Lamp Flux:12637.5x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-60-X2-CG-*-EM	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

Table--2

UNIT: ×10cd

C (DEG) □ (DEG)	285	300	315	330	345														
0	1222	1222	1222	1222	1222														
5	1164	1169	1168	1171	1165														
10	1062	1058	1049	1047	1043														
15	963	949	933	930	929														
20	861	849	833	830	831														
25	746	740	729	729	728														
30	613	612	604	606	603														
35	477	477	472	474	471														
40	340	344	340	344	340														
45	199	202	199	203	200														
50	112	112	109	111	111														
55	66.5	65.1	64.9	64.6	65.7														
60	41.6	41.7	41.1	41.5	41.6														
65	27.3	27.7	27.6	28.0	27.9														
70	16.4	16.8	16.7	17.2	17.1														
75	8.42	8.73	8.82	9.05	9.03														
80	3.15	3.37	3.40	3.59	3.55														
85	0.53	0.62	0.63	0.69	0.71														
90	0.04	0.04	0.05	0.04	0.05														
95	0.04	0.04	0.04	0.04	0.04														
100	0.06	0.06	0.06	0.06	0.06														
105	0.09	0.08	0.08	0.08	0.08														
110	0.13	0.12	0.12	0.12	0.13														
115	0.21	0.20	0.20	0.19	0.20														
120	0.33	0.31	0.31	0.31	0.31														
125	0.50	0.48	0.48	0.47	0.48														
130	0.72	0.70	0.70	0.69	0.70														
135	0.98	0.96	0.96	0.95	0.96														
140	1.28	1.26	1.25	1.24	1.25														
145	1.60	1.58	1.57	1.55	1.56														
150	1.91	1.89	1.89	1.87	1.87														
155	2.22	2.20	2.20	2.18	2.18														
160	2.51	2.50	2.50	2.49	2.49														
165	2.79	2.78	2.78	2.77	2.78														
170	3.02	3.02	3.02	3.01	3.02														
175	3.20	3.19	3.20	3.20	3.21														
180	3.29	3.29	3.29	3.29	3.30														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:10 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: