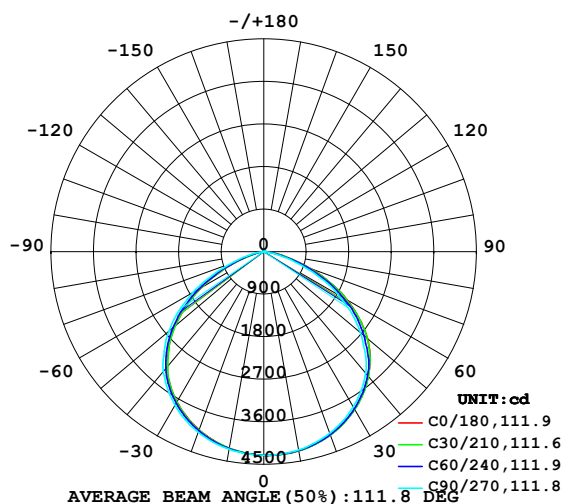


**LUMINAIRE PHOTOMETRIC TEST REPORT**

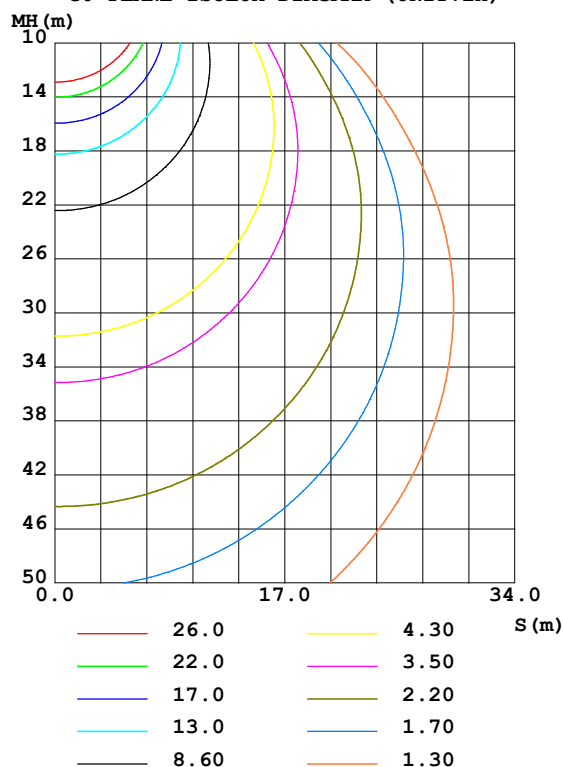
Test:U:220.17V I:0.3453A P:75.125W PF:0.9881 Freq:49.99Hz Lamp Flux:11758.4x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-110-X2-CG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 156.52 lm/W			
MODEL	N/A	Imax(cd)	4313	S/MH(C0/180)	1.27
NOMINAL POWER(W)	75	LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	11758	□ UP,DN(C0-180)	0.2,50.7
NOMINAL FLUX(lm)	11758.4	CIE CLASS	DIRECT	□ UP,DN(C180-360)	0.2,49.0
LAMPS INSIDE	1	□ up(%)	0.4	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220	□ down(%)	99.6	CIBSE SHR MAX	1.35

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:22 November 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	4277	4277	4259	4235	4222	4225	4245	4264	0- 10	408.5	408.5	3.47,3.47
20	4125	4125	4087	4038	4010	4017	4064	4102	10- 20	1180	1588	13.5,13.5
30	3850	3850	3790	3709	3673	3683	3754	3813	20- 30	1814	3402	28.9,28.9
40	3441	3443	3357	3248	3179	3190	3306	3390	30- 40	2228	5630	47.9,47.9
50	2866	2837	2673	2560	2456	2467	2622	2764	40- 50	2317	7948	67.6,67.6
60	2035	2017	1813	1614	1516	1534	1731	1916	50- 60	1989	9936	84.5,84.5
70	1056	1023	858.1	643.4	581.7	593.9	753.2	977.8	60- 70	1270	11207	95.3,95.3
80	269.5	252.4	156.3	68.48	42.28	63.50	132.0	207.2	70- 80	457.5	11664	99.2,99.2
90	11.79	8.834	1.804	1.392	1.166	1.141	1.231	4.821	80- 90	51.07	11715	99.6,99.6
100	1.743	1.755	2.051	2.425	2.551	2.487	2.103	1.760	90-100	1.977	11717	99.6,99.6
110	3.559	3.581	4.081	4.585	4.786	4.674	4.191	3.688	100-110	3.234	11720	99.7,99.7
120	5.935	5.992	6.617	7.080	7.244	7.157	6.749	6.099	110-120	5.303	11726	99.7,99.7
130	8.294	8.388	9.081	9.344	9.352	9.358	9.121	8.465	120-130	6.973	11733	99.8,99.8
140	10.15	10.31	10.90	11.02	10.87	10.92	10.85	10.29	130-140	7.603	11740	99.8,99.8
150	11.53	11.77	12.17	12.24	12.06	12.09	12.08	11.69	140-150	7.103	11747	99.9,99.9
160	12.82	13.01	13.22	13.24	13.24	13.17	13.16	12.91	150-160	5.778	11753	100,100
170	14.16	14.21	14.27	14.29	14.47	14.32	14.30	14.18	160-170	3.860	11757	100,100
180	15.17	15.07	15.05	15.04	15.19	15.06	15.05	15.03	170-180	1.394	11758	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 6803.2 lm

%lum = 57.9%

%lamp = 57.9%

Conical surface Flux(120deg): 9936.2 lm

%lum = 84.5%

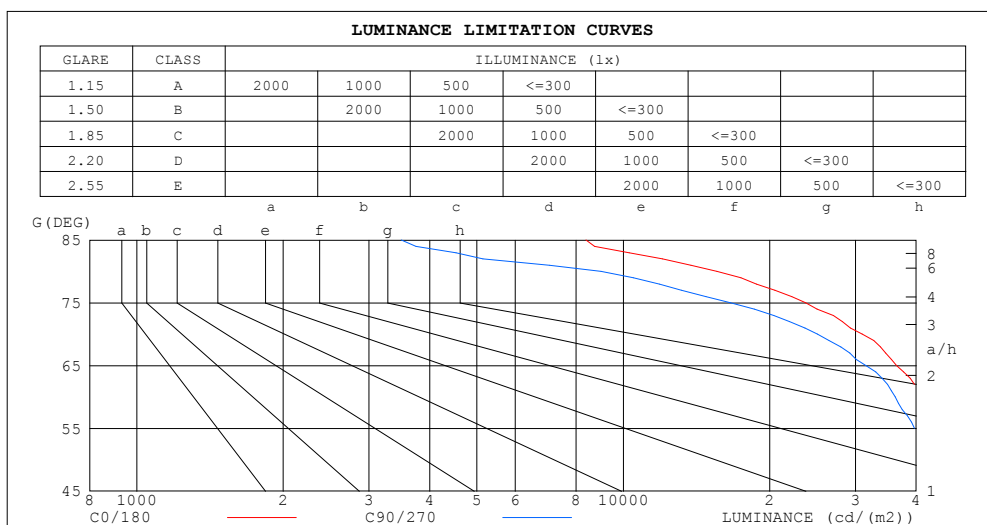
%lamp = 84.5%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:22 November 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:220.17V I:0.3453A P:75.125W PF:0.9881 Freq:49.99Hz Lamp Flux:11758.4x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-110-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	8383	3497
80	15570	8997
75	23716	16605
70	30983	25075
65	36420	31527
60	40826	36231
55	43143	39687
50	44725	41555
45	45167	42885

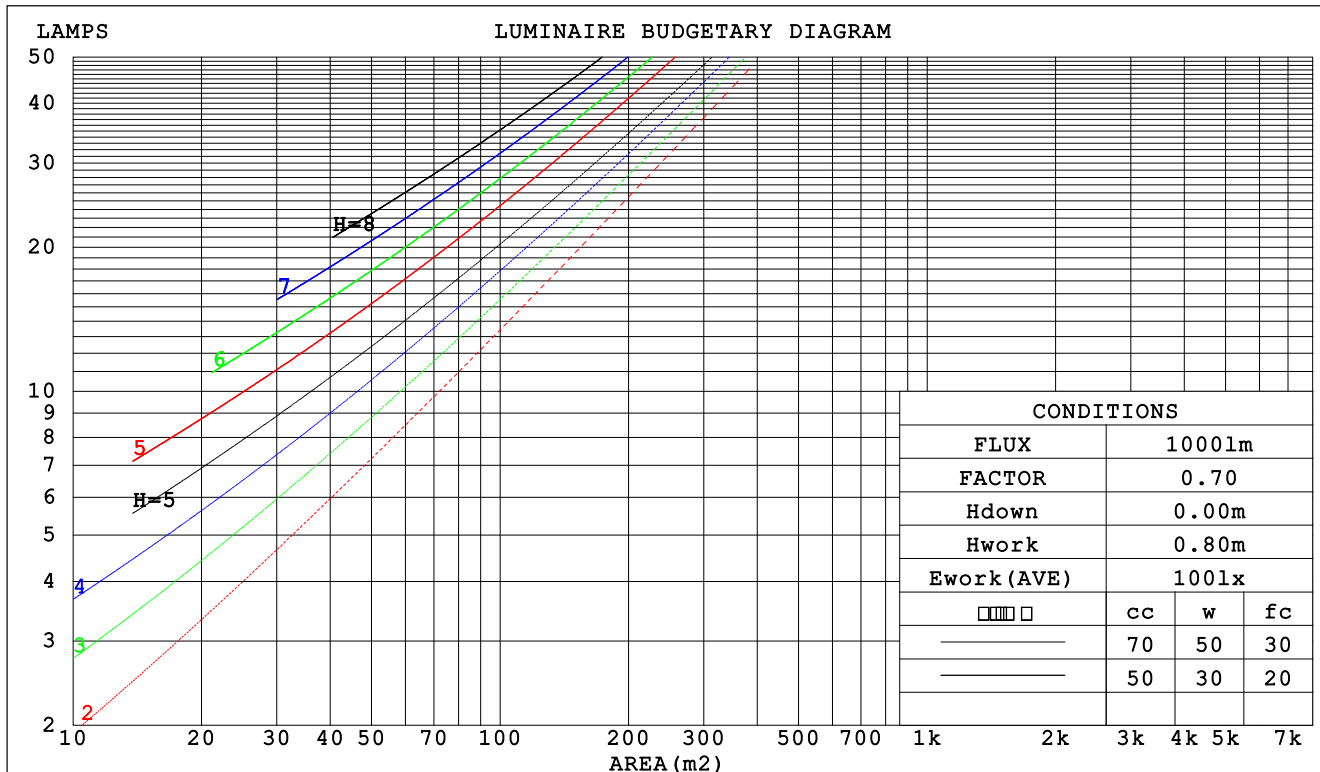
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:22 November 2022

☐ 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:220.17V I:0.3453A P:75.125W PF:0.9881 Freq:49.99Hz Lamp Flux:11758.4x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-110-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						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	1.06	1.02	.98	1.03	.90	.97	.99	.96	.94	.95	.93	.91	.91	.90	.88	.86
2.0	.93	.86	.81	.91	.85	.80	.87	.82	.78	.84	.80	.76	.81	.78	.75	.73
3.0	.82	.74	.68	.80	.73	.67	.77	.71	.66	.75	.69	.65	.72	.68	.64	.62
4.0	.73	.64	.58	.71	.64	.57	.69	.62	.57	.67	.61	.56	.64	.59	.55	.53
5.0	.65	.56	.50	.64	.56	.50	.62	.55	.49	.60	.53	.49	.58	.52	.48	.46
6.0	.59	.50	.44	.58	.49	.43	.56	.48	.43	.54	.48	.43	.53	.47	.42	.40
7.0	.53	.45	.39	.52	.44	.38	.51	.43	.38	.49	.43	.38	.48	.42	.37	.36
8.0	.48	.40	.34	.48	.40	.34	.46	.39	.34	.45	.39	.34	.44	.38	.34	.32
9.0	.44	.36	.31	.44	.36	.31	.43	.36	.31	.42	.35	.30	.41	.35	.30	.28
10.0	.41	.33	.28	.40	.33	.28	.39	.33	.28	.38	.32	.28	.38	.32	.27	.26



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:22 November 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:220.17V I:0.3453A P:75.125W PF:0.9881 Freq:49.99Hz Lamp Flux:11758.4x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-110-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	.276	.157	.050	.269	.153	.049	.256	.147	.047	.244	.140	.045	.232	.135	.043		
2.0	.268	.147	.045	.262	.144	.044	.251	.139	.043	.240	.134	.042	.230	.130	.041		
3.0	.253	.135	.040	.248	.133	.040	.237	.129	.039	.228	.125	.038	.219	.121	.038		
4.0	.237	.123	.036	.232	.121	.036	.223	.118	.035	.214	.115	.035	.206	.112	.034		
5.0	.221	.113	.033	.217	.111	.032	.209	.109	.032	.201	.106	.032	.194	.104	.031		
6.0	.207	.104	.030	.203	.102	.029	.195	.100	.029	.189	.098	.029	.182	.096	.028		
7.0	.193	.096	.027	.190	.095	.027	.183	.093	.027	.177	.091	.026	.171	.089	.026		
8.0	.181	.089	.025	.178	.088	.025	.172	.086	.025	.167	.085	.024	.162	.083	.024		
9.0	.170	.082	.023	.168	.082	.023	.162	.080	.023	.157	.079	.023	.153	.078	.022		
10.0	.161	.077	.021	.158	.076	.021	.153	.075	.021	.149	.074	.021	.145	.073	.021		

□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	.181	.159	.140	.155	.137	.120	.106	.094	.083	.061	.054	.048	.020	.018	.016	
2.0	.172	.135	.104	.147	.116	.090	.101	.080	.063	.058	.047	.037	.019	.015	.012	
3.0	.164	.117	.080	.141	.101	.069	.097	.070	.048	.056	.041	.029	.018	.013	.009	
4.0	.157	.104	.063	.134	.090	.055	.092	.062	.039	.053	.037	.023	.017	.012	.007	
5.0	.150	.093	.051	.128	.081	.045	.088	.056	.032	.051	.033	.019	.017	.011	.006	
6.0	.143	.085	.043	.123	.073	.037	.085	.051	.027	.049	.030	.016	.016	.010	.005	
7.0	.136	.078	.037	.117	.067	.032	.081	.047	.023	.047	.028	.014	.015	.009	.004	
8.0	.130	.072	.032	.112	.062	.028	.077	.044	.020	.045	.026	.012	.015	.008	.004	
9.0	.124	.067	.029	.107	.058	.025	.074	.041	.018	.043	.024	.011	.014	.008	.003	
10.0	.119	.063	.026	.102	.055	.022	.071	.038	.016	.041	.023	.009	.013	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:22 November 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:220.17V I:0.3453A P:75.125W PF:0.9881 Freq:49.99Hz Lamp Flux:11758.4x1 lm										
NAME: Round X2 Series AC					TYPE:Floodlight			WEIGHT:N/A		
SPEC.:RND-75-100-240-5K-110-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	17.8	19.3	18.1	19.5	19.7	17.4	18.9	17.7	19.1	19.3
3H	19.0	20.3	19.3	20.6	20.8	18.4	19.7	18.7	20.0	20.2
4H	19.3	20.6	19.6	20.8	21.1	18.6	19.9	18.9	20.1	20.4
6H	19.4	20.6	19.7	20.9	21.2	18.6	19.8	18.9	20.1	20.4
8H	19.4	20.5	19.7	20.8	21.1	18.6	19.7	18.9	20.0	20.3
12H	19.4	20.5	19.7	20.8	21.1	18.5	19.6	18.9	19.9	20.2
4H 2H	18.3	19.6	18.6	19.8	20.1	18.0	19.3	18.3	19.5	19.8
3H	19.6	20.7	20.0	21.0	21.3	19.1	20.2	19.5	20.5	20.8
4H	20.0	21.0	20.4	21.3	21.7	19.4	20.4	19.8	20.7	21.1
6H	20.2	21.1	20.6	21.4	21.8	19.5	20.3	19.9	20.7	21.1
8H	20.2	21.0	20.6	21.4	21.8	19.4	20.3	19.8	20.6	21.0
12H	20.2	20.9	20.6	21.3	21.7	19.4	20.1	19.8	20.5	20.9
8H 4H	20.1	20.9	20.5	21.3	21.6	19.5	20.3	19.9	20.7	21.1
6H	20.3	21.0	20.8	21.4	21.8	19.6	20.3	20.1	20.7	21.2
8H	20.4	21.0	20.8	21.4	21.8	19.6	20.2	20.1	20.7	21.1
12H	20.4	20.9	20.8	21.3	21.8	19.6	20.1	20.1	20.6	21.0
12H 4H	20.0	20.8	20.5	21.2	21.6	19.5	20.2	19.9	20.6	21.0
6H	20.3	20.9	20.8	21.3	21.8	19.6	20.2	20.1	20.7	21.1
8H	20.4	20.9	20.8	21.3	21.8	19.6	20.1	20.1	20.6	21.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.3 / - 0.4				
1.5H	+ 0.3 / - 0.5					+ 0.3 / - 0.6				
2.0H	+ 0.4 / - 0.4					+ 0.4 / - 0.6				

 CIE Pub.117, 11758 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 8.6$ )

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:22 November 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:220.17V I:0.3453A P:75.125W PF:0.9881 Freq:49.99Hz Lamp Flux:11758.4x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-110-X2-CG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

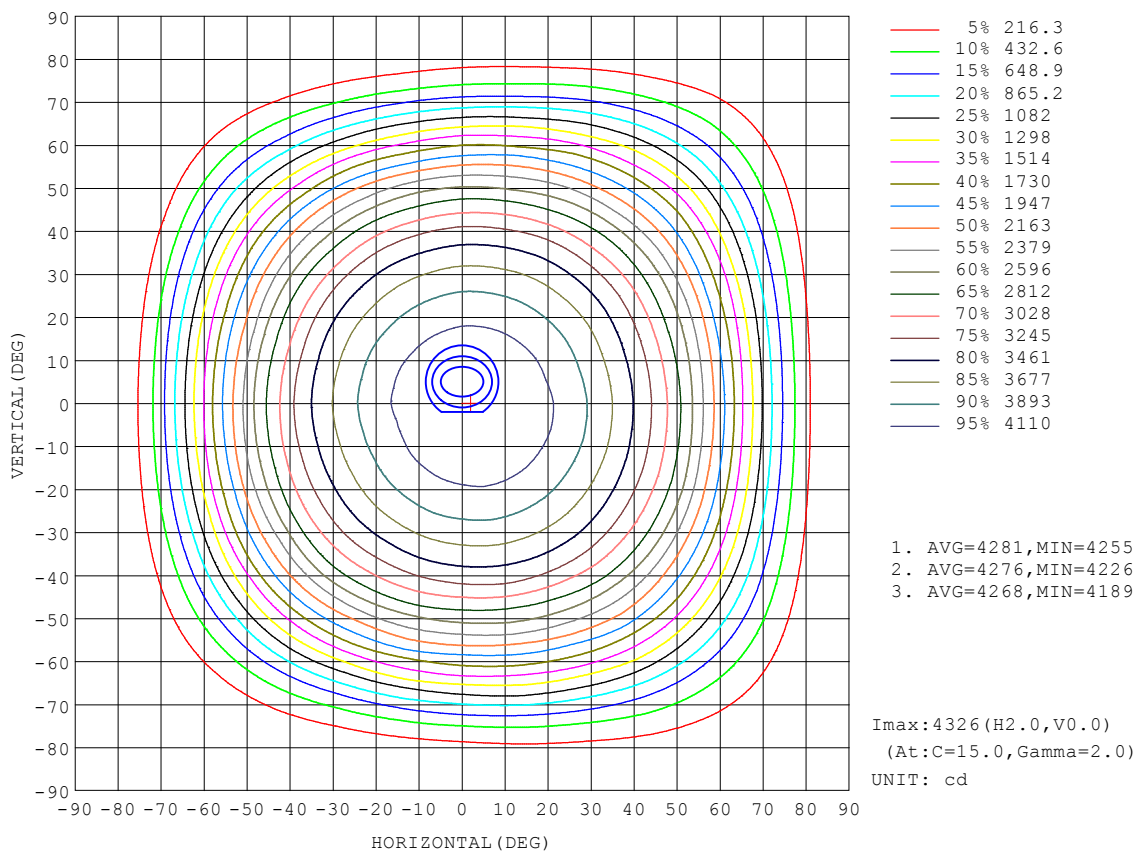
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	48	41	58	47	41	57	47	40	34
0.80	69	58	51	68	58	51	67	57	51	44
1.00	78	68	61	77	67	60	75	68	60	53
1.25	85	76	69	84	75	68	81	73	68	61
1.50	90	81	75	89	80	74	86	79	73	66
2.00	97	89	83	95	88	83	92	86	81	74
2.50	101	94	88	99	92	87	95	90	85	77
3.00	104	98	93	102	96	92	98	93	89	81
4.00	108	102	98	105	101	97	101	97	94	86
5.00	110	105	102	107	103	100	103	100	97	88
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:22 November 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:220.17V I:0.3453A P:75.125W PF:0.9881 Freq:49.99Hz Lamp Flux:11758.4x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-110-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:22 November 2022

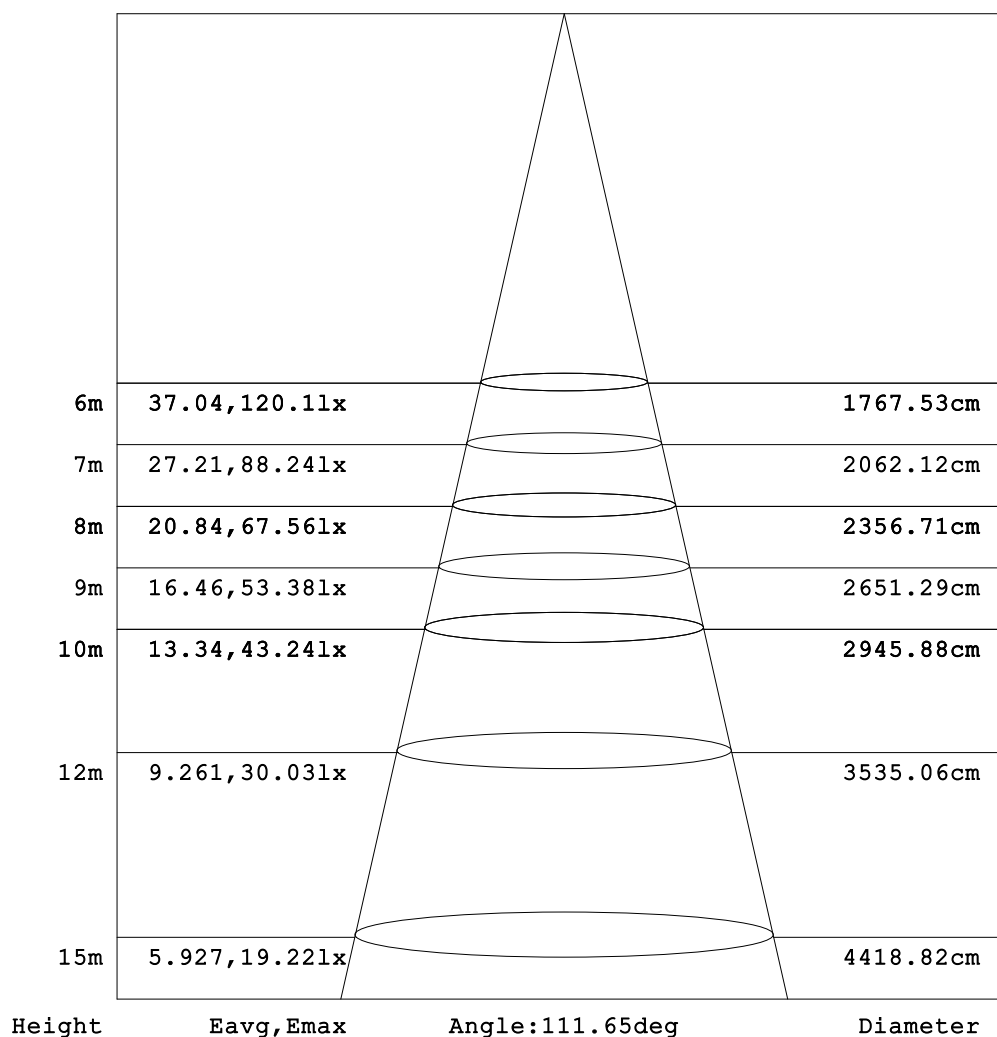
□ Range: 0 - 180DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:6.010m [K=1.0000]  
 Remarks:



### AAI Figure

Test:U:220.17V I:0.3453A P:75.125W PF:0.9881 Freq:49.99Hz Lamp Flux:11758.4x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-110-X2-CG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

Flux out:9208 lm



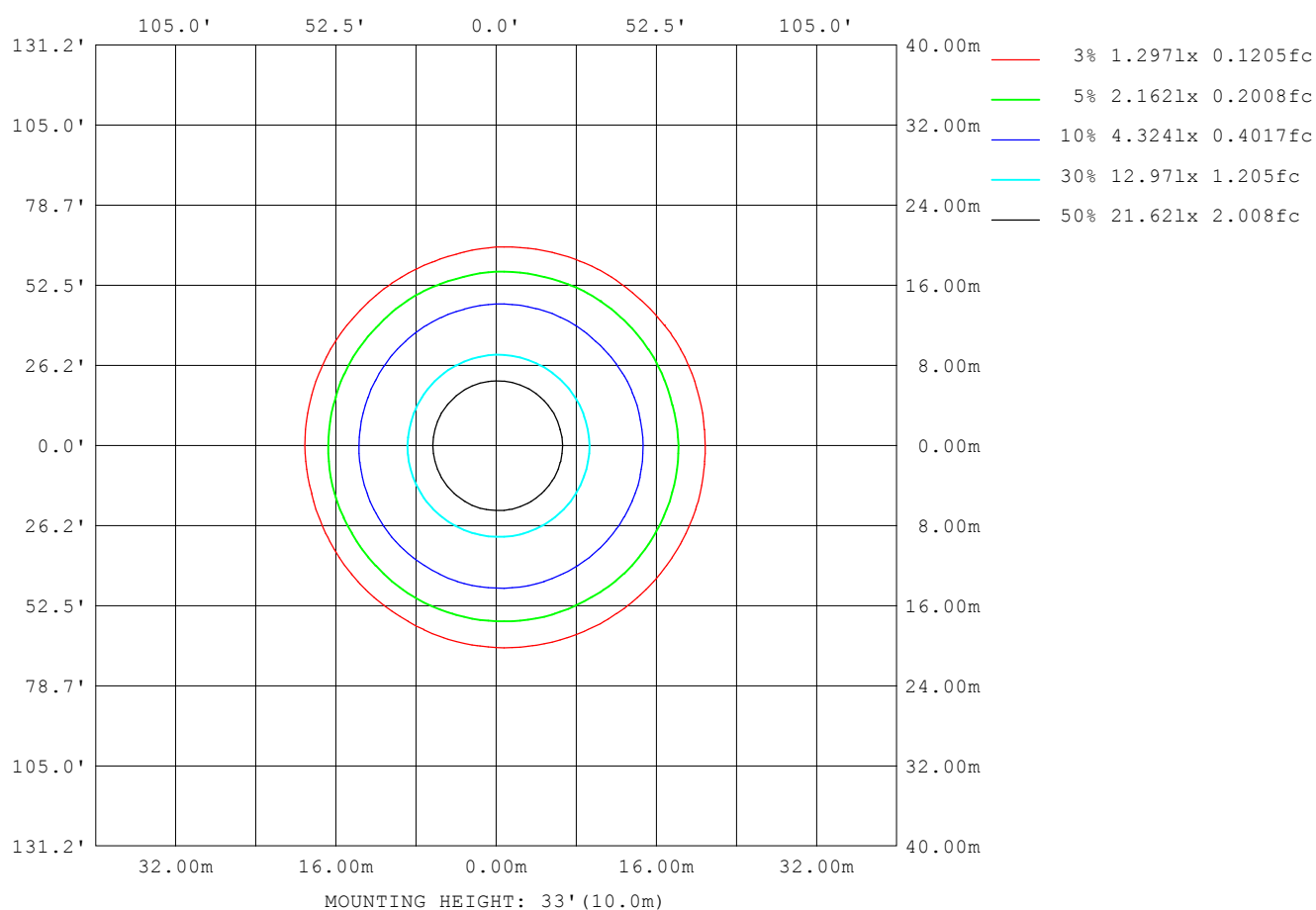
**Note:**The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:22 November 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:220.17V I:0.3453A P:75.125W PF:0.9881 Freq:49.99Hz Lamp Flux:11758.4x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-110-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:22 November 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:220.17V I:0.3453A P:75.125W PF:0.9881 Freq:49.99Hz Lamp Flux:11758.4x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-110-X2-CG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

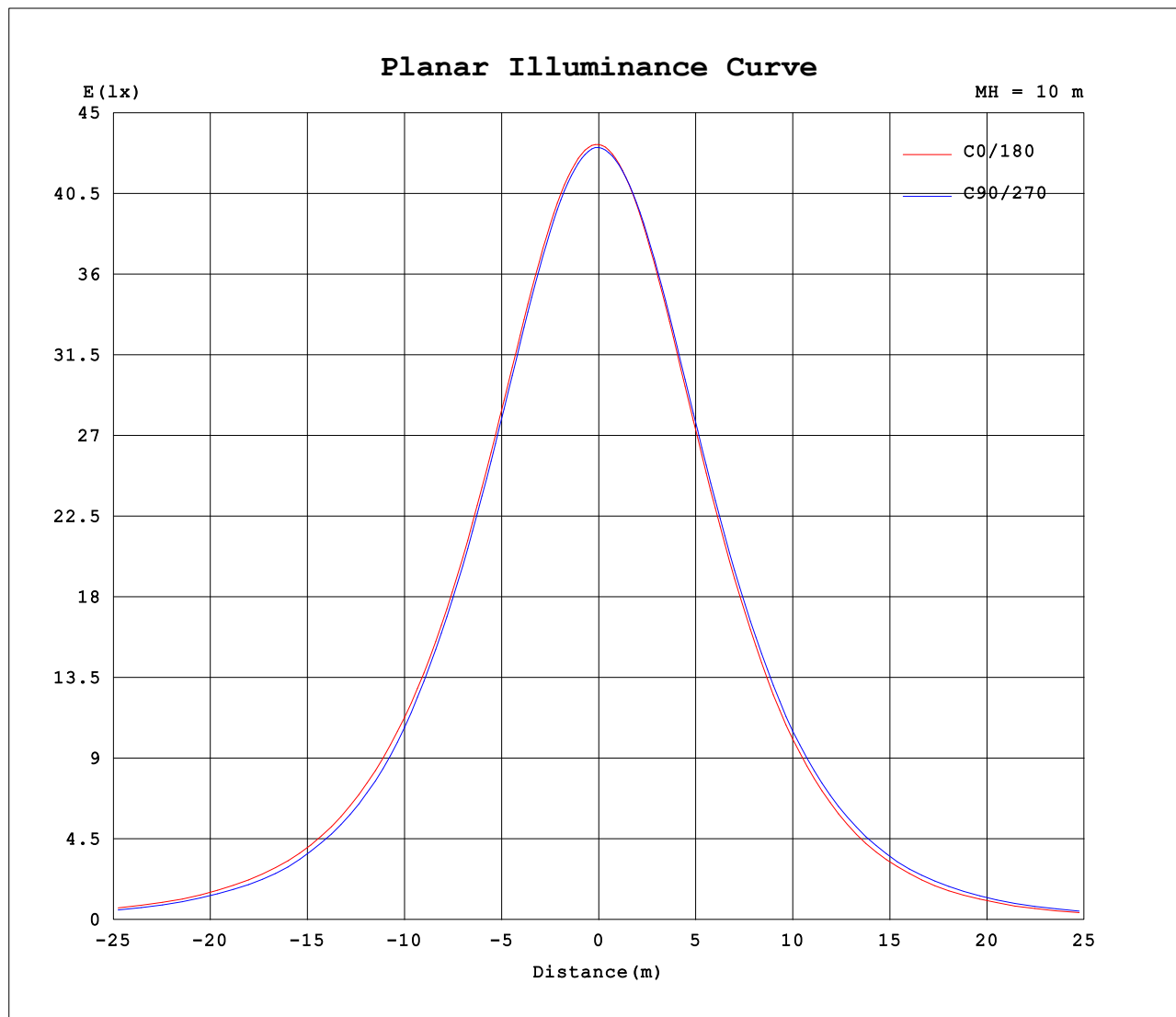
AvgL	cd/m2
L_0~180 (65) av	30133
L_0~180 (75) av	16335
L_0~180 (85) av	4495
L_90~270 (65) av	30160
L_90~270 (75) av	15481
L_90~270 (85) av	3268
L_45 (65) av	30280
L_45 (75) av	15996
L_45 (85) av	3669

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:22 November 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: 22 November 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:220.17V I:0.3453A P:75.125W PF:0.9881 Freq:49.99Hz Lamp Flux:11758.4x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-110-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	4310	4310	4310	4310	4310	4310	4310	4310	4310	4310	4310	4310	4310	4310	4310	4310	4310	4310	4310
5	4306	4308	4306	4305	4302	4301	4297	4295	4290	4288	4284	4282	4281	4279	4280	4280	4283	4285	4288
10	4277	4279	4277	4277	4272	4268	4259	4252	4241	4235	4227	4224	4222	4220	4223	4225	4232	4236	4245
15	4217	4221	4218	4218	4209	4203	4188	4178	4163	4152	4138	4133	4131	4129	4135	4137	4147	4156	4170
20	4125	4132	4127	4125	4118	4109	4087	4072	4052	4038	4019	4016	4010	4007	4014	4017	4030	4045	4064
25	4003	4013	4007	4003	3993	3982	3955	3936	3909	3889	3868	3866	3858	3852	3861	3866	3883	3901	3926
30	3850	3859	3853	3850	3836	3821	3790	3768	3732	3709	3686	3677	3673	3665	3675	3683	3704	3724	3754
35	3664	3672	3668	3664	3648	3629	3593	3562	3521	3497	3468	3457	3452	3441	3453	3465	3491	3514	3548
40	3441	3451	3446	3443	3421	3397	3357	3320	3272	3248	3212	3198	3179	3153	3168	3190	3230	3264	3306
45	3184	3196	3178	3163	3128	3096	3034	3010	2968	2939	2894	2853	2841	2815	2833	2842	2892	2926	2977
50	2866	2883	2862	2837	2765	2723	2673	2623	2588	2560	2488	2477	2456	2429	2447	2467	2509	2574	2622
55	2467	2504	2464	2437	2380	2345	2278	2230	2133	2104	2048	2006	2002	1988	1995	2033	2078	2116	2199
60	2035	2048	2008	2017	1921	1887	1813	1740	1691	1614	1548	1543	1516	1515	1527	1534	1599	1640	1731
65	1534	1562	1538	1516	1475	1410	1333	1282	1170	1113	1050	1039	1013	1027	1021	1046	1085	1149	1216
70	1056	1062	1028	1023	981	934	858	781	687	643	594	575	582	582	588	594	633	683	753
75	612	619	590	569	536	494	430	389	327	292	250	238	234	216	238	255	289	321	371
80	270	272	262	252	216	196	156	125	87.3	68.5	62.2	46.7	42.3	52.0	47.2	63.5	73.8	94.1	132
85	72.8	67.1	70.9	54.5	52.3	38.4	30.5	24.6	17.1	13.0	8.68	7.05	5.53	4.95	6.65	8.60	13.6	18.5	26.5
90	11.8	12.8	10.8	8.83	5.24	2.90	1.80	1.54	1.44	1.39	1.39	1.37	1.17	1.16	1.15	1.14	1.11	1.15	1.23
95	1.42	1.39	1.41	1.37	1.37	1.37	1.44	1.50	1.61	1.68	1.77	1.79	1.71	1.73	1.67	1.66	1.56	1.51	1.39
100	1.74	1.71	1.75	1.75	1.84	1.90	2.05	2.16	2.34	2.42	2.57	2.60	2.55	2.59	2.51	2.49	2.35	2.27	2.10
105	2.53	2.47	2.53	2.55	2.68	2.77	2.97	3.10	3.32	3.42	3.60	3.65	3.60	3.64	3.55	3.52	3.36	3.26	3.06
110	3.56	3.49	3.56	3.58	3.74	3.86	4.08	4.24	4.46	4.59	4.76	4.84	4.79	4.81	4.74	4.67	4.52	4.39	4.19
115	4.70	4.65	4.70	4.75	4.91	5.07	5.31	5.49	5.69	5.83	6.00	6.08	6.02	6.05	5.98	5.92	5.77	5.64	5.44
120	5.94	5.88	5.93	5.99	6.17	6.36	6.62	6.79	6.97	7.08	7.23	7.31	7.24	7.27	7.21	7.16	7.03	6.94	6.75
125	7.16	7.09	7.14	7.23	7.42	7.64	7.90	8.06	8.20	8.27	8.40	8.44	8.36	8.41	8.34	8.34	8.22	8.16	8.00
130	8.29	8.22	8.31	8.39	8.62	8.82	9.08	9.20	9.34	9.34	9.44	9.46	9.35	9.39	9.34	9.36	9.30	9.28	9.12
135	9.30	9.23	9.33	9.42	9.67	9.86	10.1	10.2	10.3	10.3	10.3	10.3	10.2	10.2	10.2	10.2	10.2	10.2	10.1
140	10.1	10.1	10.2	10.3	10.5	10.7	10.9	11.0	11.1	11.0	11.0	11.0	10.9	10.9	10.9	10.9	10.9	11.0	10.9
145	10.9	10.9	11.0	11.1	11.3	11.4	11.6	11.7	11.7	11.7	11.6	11.6	11.5	11.5	11.5	11.5	11.6	11.6	11.5
150	11.5	11.6	11.7	11.8	12.0	12.1	12.2	12.3	12.3	12.2	12.2	12.1	12.1	12.0	12.0	12.1	12.1	12.2	12.1
155	12.2	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.8	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.6	12.7	12.6
160	12.8	12.9	12.9	13.0	13.1	13.1	13.2	13.3	13.3	13.2	13.2	13.2	13.2	13.2	13.1	13.2	13.2	13.2	13.2
165	13.5	13.5	13.6	13.6	13.7	13.7	13.8	13.8	13.8	13.8	13.8	13.8	13.9	13.8	13.7	13.7	13.7	13.8	13.7
170	14.2	14.2	14.2	14.2	14.2	14.2	14.3	14.3	14.3	14.3	14.3	14.3	14.5	14.4	14.3	14.3	14.3	14.3	14.3
175	14.8	14.8	14.8	14.7	14.7	14.7	14.7	14.8	14.8	14.8	14.8	14.9	15.0	14.9	14.8	14.8	14.8	14.8	14.8
180	15.2	15.2	15.1	15.1	15.1	15.1	15.0	15.0	15.0	15.0	15.0	15.1	15.2	15.2	15.1	15.1	15.1	15.1	15.1

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YZY  
Test Date:22 November 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:220.17V I:0.3453A P:75.125W PF:0.9881 Freq:49.99Hz Lamp Flux:11758.4x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-110-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	4310	4310	4310	4310	4310													
5	4291	4295	4298	4302	4304													
10	4251	4259	4264	4271	4275													
15	4179	4191	4199	4210	4215													
20	4076	4090	4102	4117	4122													
25	3940	3959	3974	3992	3999													
30	3771	3797	3813	3835	3844													
35	3570	3600	3618	3646	3656													
40	3329	3370	3390	3421	3431													
45	3018	3061	3089	3138	3169													
50	2648	2714	2764	2796	2821													
55	2264	2325	2347	2420	2456													
60	1788	1873	1916	1972	1993													
65	1312	1381	1443	1516	1548													
70	822	909	978	1030	1050													
75	416	493	539	592	606													
80	147	188	207	238	254													
85	32.3	39.0	51.8	51.5	64.5													
90	1.42	2.62	4.82	7.87	9.54													
95	1.32	1.22	1.18	1.11	1.12													
100	2.00	1.84	1.76	1.65	1.63													
105	2.93	2.73	2.63	2.48	2.45													
110	4.03	3.81	3.69	3.51	3.48													
115	5.25	5.01	4.86	4.69	4.62													
120	6.54	6.27	6.10	5.92	5.83													
125	7.80	7.51	7.32	7.10	7.03													
130	8.96	8.65	8.46	8.22	8.14													
135	9.92	9.65	9.45	9.21	9.12													
140	10.7	10.5	10.3	10.1	9.95													
145	11.4	11.2	11.0	10.8	10.7													
150	12.0	11.9	11.7	11.5	11.4													
155	12.5	12.4	12.3	12.2	12.1													
160	13.1	13.0	12.9	12.8	12.8													
165	13.7	13.6	13.5	13.5	13.4													
170	14.3	14.2	14.2	14.1	14.1													
175	14.8	14.7	14.7	14.7	14.7													
180	15.0	15.0	15.0	15.0	15.1													

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:22 November 2022

□ Range: 0 - 180DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
 Humidity:65.0%  
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 Remarks: