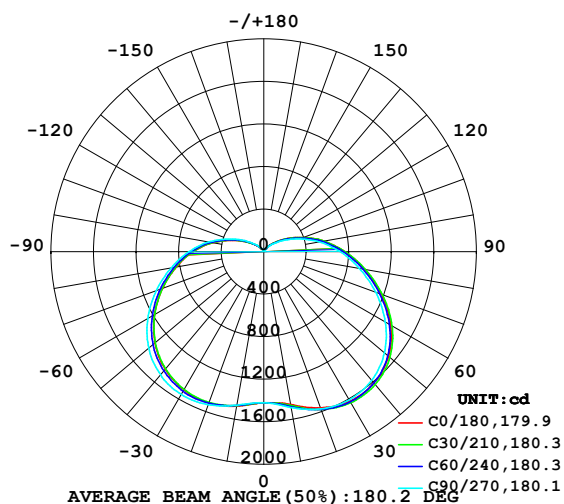


**LUMINAIRE PHOTOMETRIC TEST REPORT**

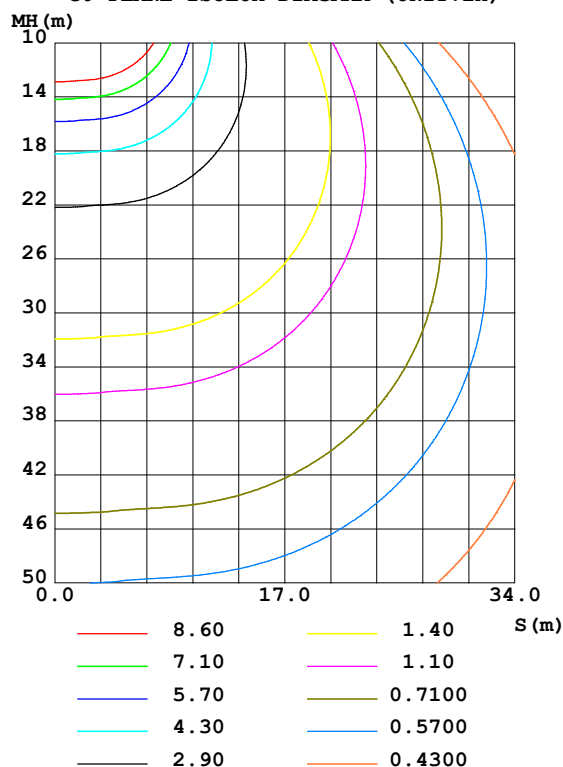
Test:U:219.95V I:0.3465A P:75.317W PF:0.9883 Freq:49.99Hz Lamp Flux:9434.43x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-180-X2-DLG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.26 lm/W			
MODEL	N/A	Imax(cd)	1645	S/MH(C0/180)	1.57
NOMINAL POWER(W)	75	LOR(%)	100.0	S/MH(C90/270)	1.63
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	9434.4	□ UP,DN(C0-180)	9.0,41.9
NOMINAL FLUX(lm)	9434.43	CIE CLASS	SEMI-D.	□ UP,DN(C180-360)	8.7,40.4
LAMPS INSIDE	1	□ up(%)	17.7	CIBSE SHR NOM	1.75
TEST VOLTAGE(V)	220	□ down(%)	82.3	CIBSE SHR MAX	1.75

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:30 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	1460	1473	1487	1484	1475	1470	1466	1459	0- 10	138.2	138.2	1.46,1.46
20	1562	1576	1573	1544	1514	1510	1531	1547	10- 20	429.4	567.6	6.02,6.02
30	1622	1635	1609	1554	1502	1504	1552	1592	20- 30	723.8	1291	13.7,13.7
40	1613	1623	1579	1504	1443	1446	1511	1573	30- 40	979.2	2271	24.1,24.1
50	1531	1541	1481	1398	1335	1341	1413	1483	40- 50	1156	3427	36.3,36.3
60	1378	1379	1319	1239	1186	1194	1259	1329	50- 60	1225	4652	49.3,49.3
70	1178	1176	1120	1052	1013	1022	1076	1137	60- 70	1183	5835	61.8,61.8
80	963.7	959.1	913.0	861.0	836.1	845.0	884.7	933.3	70- 80	1055	6890	73,73
90	762.4	756.1	719.0	678.4	664.0	674.0	704.3	740.8	80- 90	878.8	7769	82.3,82.3
100	576.7	571.5	536.6	499.8	486.4	494.5	530.3	561.5	90-100	679.6	8449	89.5,89.5
110	393.7	386.6	354.0	325.1	315.0	322.2	350.8	379.4	100-110	466.9	8915	94.5,94.5
120	244.5	238.6	213.4	190.3	181.6	187.9	210.6	233.2	110-120	278.8	9194	97.5,97.5
130	133.9	129.8	114.5	100.8	96.23	100.8	110.9	126.5	120-130	143.7	9338	99,99
140	67.80	64.90	51.36	44.85	41.98	44.68	46.44	62.39	130-140	63.67	9402	99.7,99.7
150	31.09	30.82	18.83	21.22	18.28	20.58	22.22	30.13	140-150	23.11	9425	99.9,99.9
160	9.348	8.423	6.659	6.725	6.875	6.698	6.727	8.033	150-160	6.883	9432	100,100
170	7.276	7.410	7.665	7.859	8.110	7.912	7.917	7.407	160-170	2.021	9434	100,100
180	9.426	9.178	9.183	9.133	9.438	9.176	9.187	9.131	170-180	0.7714	9434	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2832.9 lm

%lum = 30.0%

%lamp = 30.0%

Conical surface Flux(120deg): 4651.8 lm

%lum = 49.3%

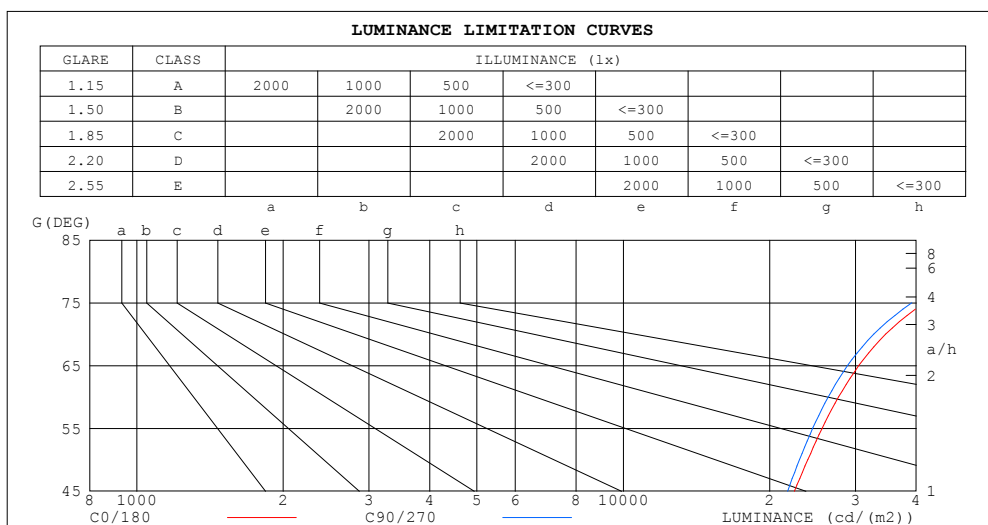
%lamp = 49.3%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:30 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:219.95V I:0.3465A P:75.317W PF:0.9883 Freq:49.99Hz Lamp Flux:9434.43x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-180-X2-DLG-*	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	99275	93434
80	55789	52548
75	41593	39217
70	34630	32736
65	30495	28913
60	27705	26376
55	25631	24516
50	23947	23029
45	22486	21756

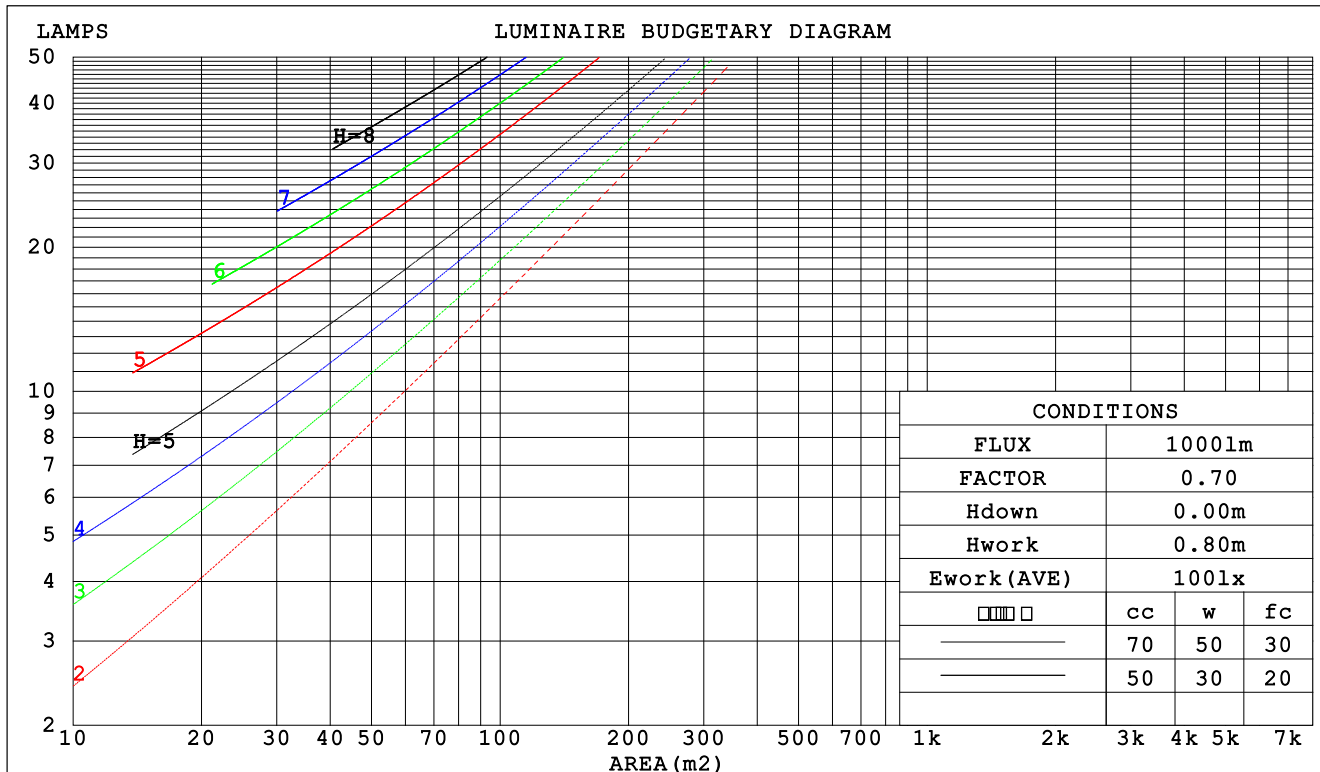
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YZY  
Test Date:30 November 2022

☐ 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:219.95V I:0.3465A P:75.317W PF:0.9883 Freq:49.99Hz Lamp Flux:9434.43x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-180-X2-DLG-*	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	1.15	1.15	1.15	1.10	1.10	1.10	1.01	1.01	1.01	.93	.93	.93	.86	.86	.86	.82
1.0	.94	.88	.83	.90	.85	.80	.82	.78	.74	.75	.72	.69	.69	.66	.64	.60
2.0	.79	.71	.64	.76	.68	.62	.69	.63	.58	.63	.58	.54	.58	.54	.50	.47
3.0	.68	.59	.51	.65	.57	.50	.60	.52	.46	.55	.48	.43	.50	.45	.40	.37
4.0	.60	.50	.42	.57	.48	.41	.52	.44	.38	.48	.41	.36	.43	.38	.34	.31
5.0	.53	.43	.35	.50	.41	.34	.46	.38	.32	.42	.36	.30	.39	.33	.28	.26
6.0	.47	.37	.30	.45	.36	.29	.41	.33	.28	.38	.31	.26	.35	.29	.24	.22
7.0	.42	.33	.26	.40	.32	.25	.37	.30	.24	.34	.28	.23	.31	.26	.21	.19
8.0	.38	.29	.23	.37	.28	.22	.34	.26	.21	.31	.25	.20	.29	.23	.19	.17
9.0	.35	.26	.20	.33	.25	.20	.31	.24	.19	.29	.22	.18	.26	.21	.17	.15
10.0	.32	.24	.18	.31	.23	.18	.28	.22	.17	.26	.20	.16	.24	.19	.15	.13



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YZY  
Test Date:30 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:219.95V I:0.3465A P:75.317W PF:0.9883 Freq:49.99Hz Lamp Flux:9434.43x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-180-X2-DLG-*	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	.418	.238	.075	.406	.231	.073	.382	.219	.070	.360	.208	.067	.340	.197	.063		
2.0	.356	.195	.060	.344	.190	.058	.323	.180	.056	.303	.170	.053	.285	.161	.051		
3.0	.313	.167	.050	.303	.162	.049	.283	.153	.047	.265	.145	.045	.248	.137	.043		
4.0	.280	.145	.043	.270	.141	.042	.253	.134	.040	.236	.127	.038	.221	.120	.037		
5.0	.253	.129	.037	.244	.125	.037	.228	.119	.035	.213	.113	.033	.199	.106	.032		
6.0	.231	.116	.033	.223	.113	.032	.208	.107	.031	.195	.101	.030	.182	.096	.028		
7.0	.212	.105	.030	.205	.102	.029	.191	.097	.028	.179	.092	.027	.167	.087	.026		
8.0	.196	.096	.027	.189	.093	.026	.177	.089	.025	.166	.084	.024	.155	.079	.023		
9.0	.182	.088	.025	.176	.086	.024	.165	.082	.023	.154	.077	.022	.144	.073	.021		
10.0	.170	.082	.023	.165	.080	.022	.154	.076	.021	.144	.072	.020	.135	.068	.019		

□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	.325	.325	.325	.278	.278	.278	.190	.190	.190	.109	.109	.109	.035	.035	.035	
1.0	.323	.291	.261	.277	.250	.225	.189	.172	.156	.109	.099	.090	.035	.032	.029	
2.0	.317	.268	.227	.272	.231	.196	.186	.160	.137	.107	.093	.080	.034	.030	.026	
3.0	.310	.252	.205	.266	.217	.178	.182	.151	.125	.105	.088	.074	.034	.029	.024	
4.0	.302	.240	.192	.259	.207	.166	.178	.144	.117	.103	.084	.069	.033	.028	.023	
5.0	.294	.230	.182	.253	.199	.158	.174	.139	.112	.101	.082	.066	.033	.027	.022	
6.0	.287	.222	.175	.246	.192	.153	.170	.135	.108	.099	.079	.064	.032	.026	.021	
7.0	.279	.215	.171	.240	.187	.149	.166	.131	.105	.096	.077	.063	.031	.025	.021	
8.0	.273	.210	.167	.235	.182	.145	.162	.128	.103	.094	.075	.061	.031	.025	.020	
9.0	.266	.205	.164	.229	.178	.143	.159	.125	.101	.093	.074	.061	.030	.024	.020	
10.0	.260	.201	.162	.224	.174	.141	.155	.123	.100	.091	.073	.060	.029	.024	.020	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:30 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:219.95V I:0.3465A P:75.317W PF:0.9883 Freq:49.99Hz Lamp Flux:9434.43x1 lm										
NAME: Round X2 Series AC					TYPE:Floodlight			WEIGHT:N/A		
SPEC.:RND-75-100-240-5K-180-X2-DLG-*					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	15.7	17.2	16.2	17.7	18.2	15.5	16.9	16.0	17.5	18.0
3H	18.3	19.6	18.8	20.1	20.7	18.0	19.3	18.5	19.9	20.5
4H	19.6	20.9	20.2	21.5	22.1	19.3	20.6	19.9	21.2	21.8
6H	21.1	22.3	21.7	22.9	23.5	20.8	22.0	21.4	22.6	23.2
8H	21.9	23.1	22.5	23.7	24.3	21.6	22.8	22.2	23.3	24.0
12H	22.9	24.0	23.5	24.6	25.3	22.5	23.6	23.1	24.2	24.9
4H 2H	16.5	17.8	17.1	18.4	19.0	16.4	17.7	17.0	18.2	18.9
3H	19.3	20.4	19.9	21.0	21.7	19.1	20.2	19.7	20.8	21.5
4H	20.8	21.8	21.4	22.5	23.2	20.6	21.6	21.2	22.2	22.9
6H	22.5	23.4	23.1	24.1	24.8	22.2	23.1	22.9	23.8	24.5
8H	23.4	24.3	24.1	24.9	25.7	23.1	24.0	23.8	24.6	25.4
12H	24.5	25.3	25.1	25.9	26.7	24.1	24.9	24.8	25.6	26.4
8H 4H	21.4	22.3	22.1	22.9	23.7	21.2	22.1	21.9	22.7	23.5
6H	23.3	24.1	24.0	24.8	25.6	23.1	23.9	23.8	24.5	25.3
8H	24.5	25.1	25.2	25.8	26.6	24.2	24.9	24.9	25.6	26.4
12H	25.7	26.3	26.5	27.0	27.9	25.5	26.0	26.2	26.8	27.6
12H 4H	21.5	22.3	22.2	23.0	23.8	21.4	22.2	22.0	22.8	23.6
6H	23.6	24.3	24.3	25.0	25.8	23.4	24.1	24.1	24.8	25.6
8H	24.8	25.4	25.5	26.1	27.0	24.6	25.2	25.3	25.9	26.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				

 CIE Pub.117, 9434 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 7.8$ )

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:30 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:219.95V I:0.3465A P:75.317W PF:0.9883 Freq:49.99Hz Lamp Flux:9434.43x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-180-X2-DLG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

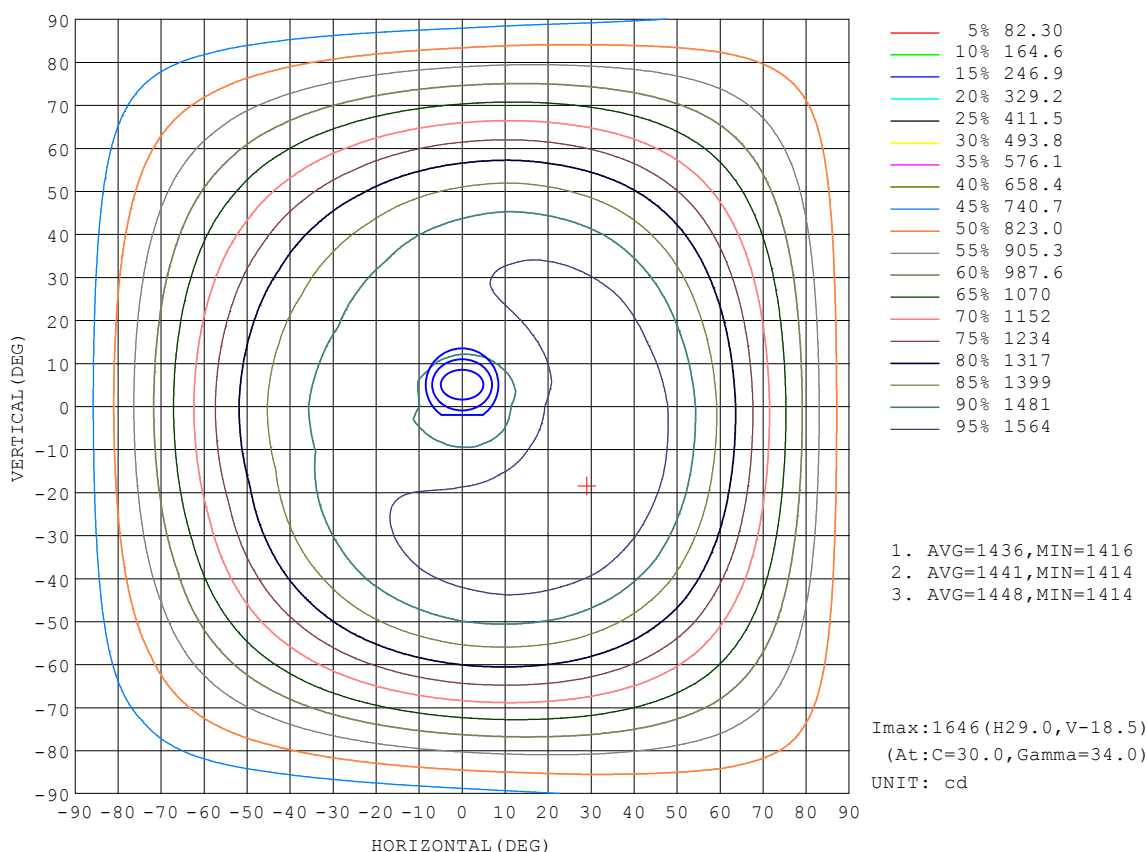
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	45	32	25	44	32	24	42	31	24	17
0.80	54	40	32	53	40	32	50	38	31	23
1.00	62	48	39	60	47	39	56	48	38	29
1.25	69	55	46	67	54	45	62	52	44	34
1.50	74	61	52	71	59	51	67	56	49	38
2.00	82	70	61	79	68	59	73	64	57	45
2.50	86	75	67	83	73	65	77	69	62	49
3.00	90	80	72	87	78	70	80	73	66	53
4.00	95	87	79	91	84	77	84	78	72	58
5.00	98	91	84	94	88	82	87	81	77	62
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: 30 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:219.95V I:0.3465A P:75.317W PF:0.9883 Freq:49.99Hz Lamp Flux:9434.43x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-180-X2-DLG-*	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:30 November 2022

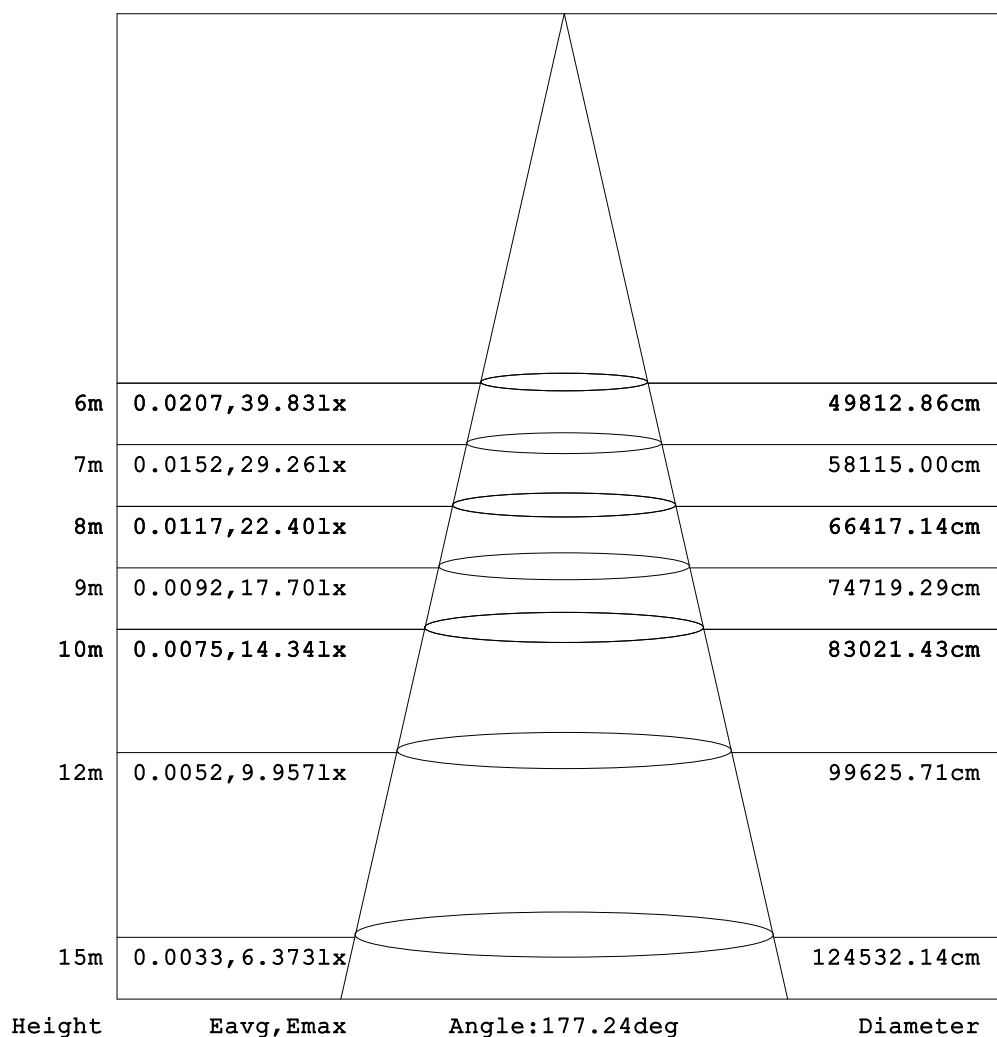
☐ Range: 0 - 180DEG  
☐ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:6.010m [K=1.0000]  
 Remarks:



### AAI Figure

Test:U:219.95V I:0.3465A P:75.317W PF:0.9883 Freq:49.99Hz Lamp Flux:9434.43x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-180-X2-DLG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

Flux out:7690 lm



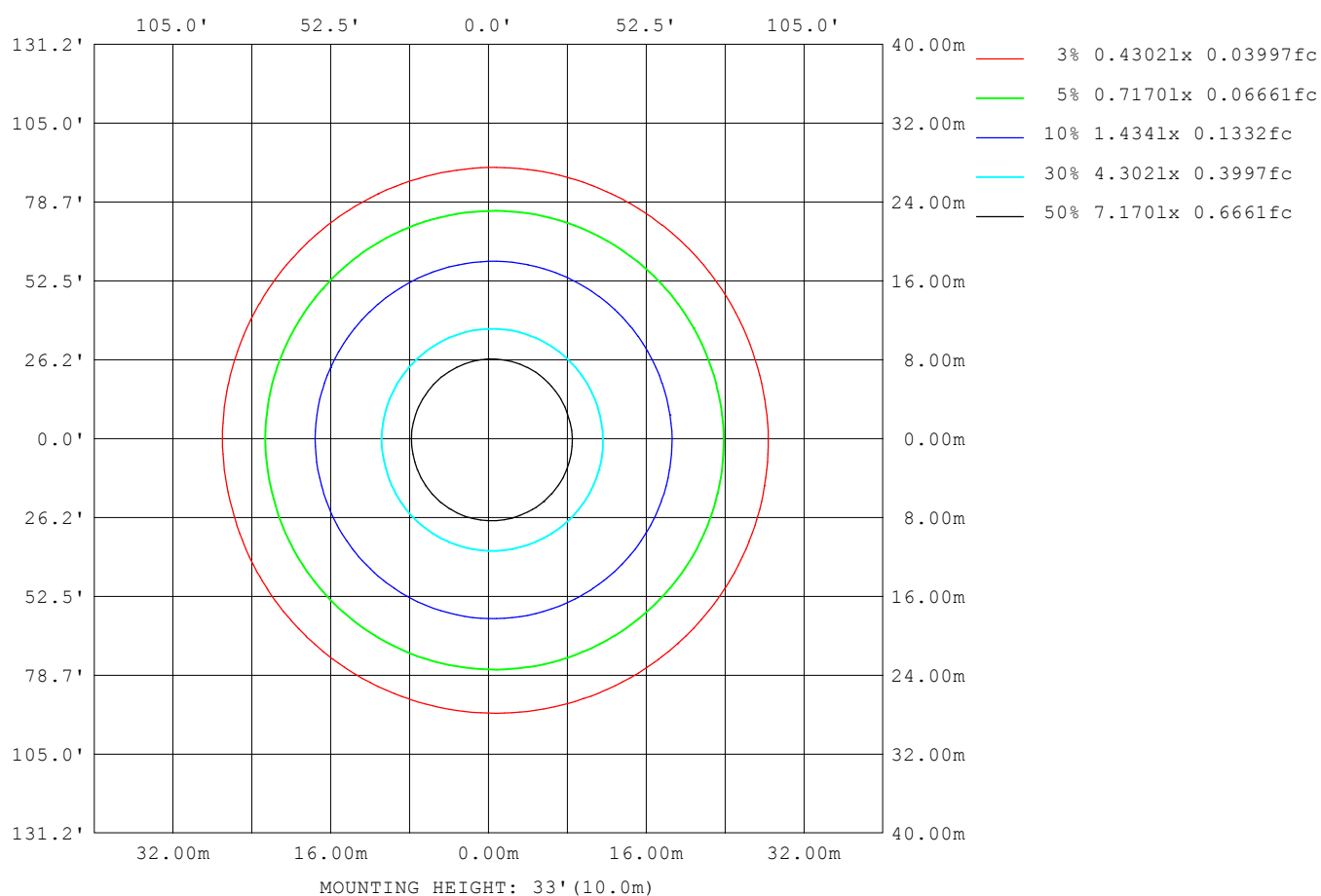
**Note:**The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:30 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:219.95V I:0.3465A P:75.317W PF:0.9883 Freq:49.99Hz Lamp Flux:9434.43x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-180-X2-DLG-*	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:30 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:219.95V I:0.3465A P:75.317W PF:0.9883 Freq:49.99Hz Lamp Flux:9434.43x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-180-X2-DLG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

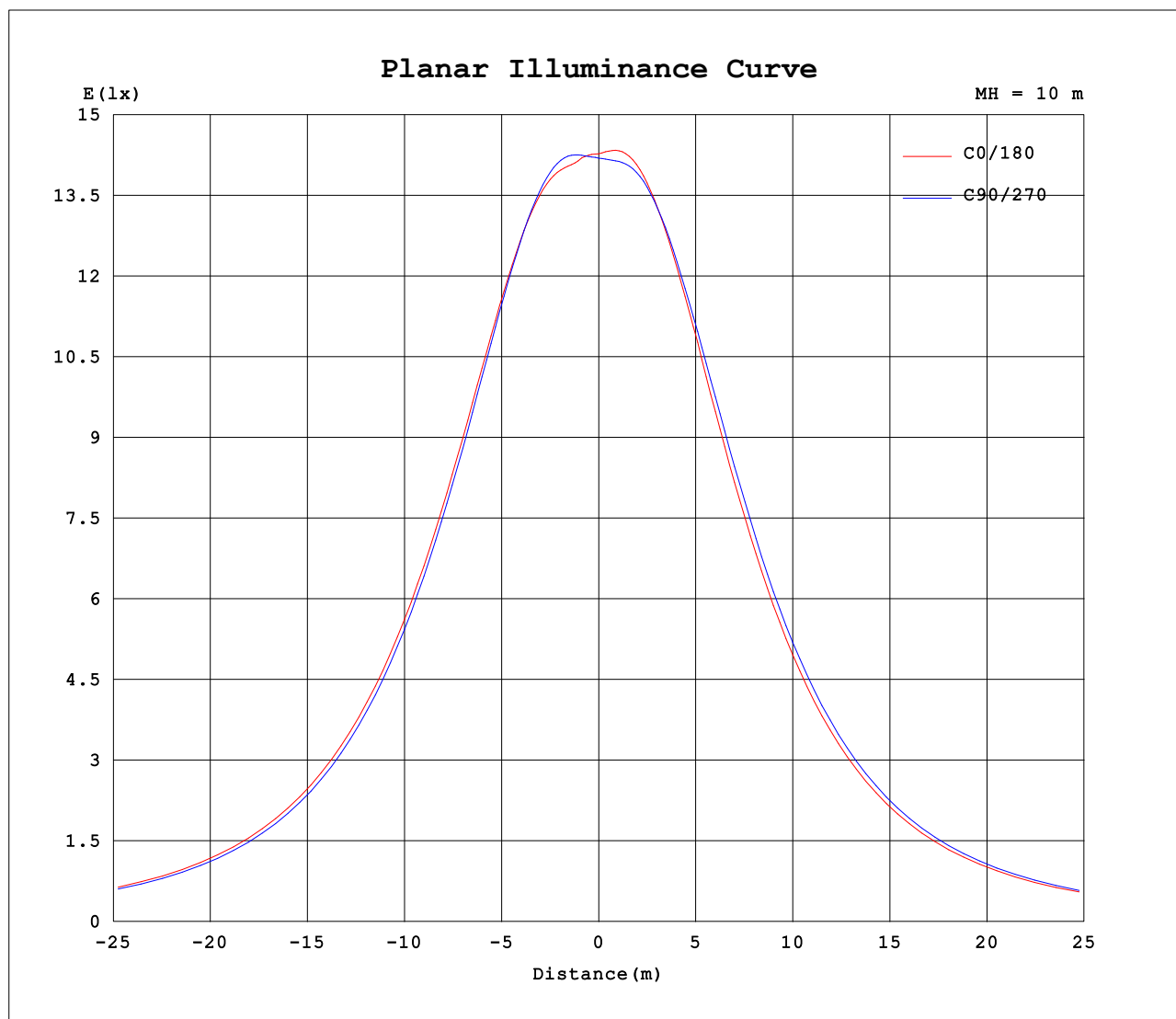
AvgL	cd/m2
L_0~180 (65) av	28196
L_0~180 (75) av	38542
L_0~180 (85) av	92394
L_90~270 (65) av	28304
L_90~270 (75) av	38544
L_90~270 (85) av	92221
L_45 (65) av	28240
L_45 (75) av	38543
L_45 (85) av	92290

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:30 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: 30 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:219.95V I:0.3465A P:75.317W PF:0.9883 Freq:49.99Hz Lamp Flux:9434.43x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-180-X2-DLG-*	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	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420
5	1429	1429	1431	1432	1435	1438	1442	1443	1445	1445	1445	1444	1443	1442	1440	1439	1436	1434	1431
10	1460	1462	1468	1473	1480	1483	1487	1488	1488	1484	1481	1477	1475	1472	1470	1470	1468	1468	1466
15	1513	1517	1527	1527	1533	1533	1535	1531	1527	1519	1511	1504	1500	1496	1494	1495	1497	1500	1502
20	1562	1568	1578	1576	1578	1576	1573	1566	1556	1544	1531	1520	1514	1509	1508	1510	1516	1524	1531
25	1600	1607	1616	1613	1612	1606	1599	1587	1573	1556	1539	1522	1517	1509	1509	1514	1524	1536	1548
30	1622	1631	1639	1635	1630	1620	1609	1594	1574	1554	1533	1512	1502	1497	1497	1504	1517	1534	1552
35	1627	1637	1644	1638	1629	1617	1602	1584	1561	1539	1514	1490	1478	1472	1473	1481	1495	1518	1541
40	1613	1623	1630	1623	1611	1598	1579	1560	1533	1504	1481	1456	1443	1436	1438	1446	1463	1488	1511
45	1582	1593	1599	1591	1577	1561	1539	1515	1489	1459	1433	1408	1395	1389	1391	1400	1418	1445	1469
50	1531	1544	1548	1541	1523	1502	1481	1454	1428	1398	1372	1348	1335	1329	1332	1341	1360	1387	1413
55	1463	1471	1479	1465	1450	1429	1407	1380	1352	1323	1299	1276	1265	1259	1262	1272	1290	1316	1341
60	1378	1387	1392	1379	1364	1342	1319	1293	1266	1239	1216	1195	1186	1181	1185	1194	1211	1235	1259
65	1282	1290	1294	1281	1266	1245	1223	1197	1172	1147	1127	1109	1101	1098	1102	1109	1125	1147	1170
70	1178	1185	1188	1176	1161	1141	1120	1097	1073	1052	1034	1019	1013	1011	1015	1022	1036	1055	1076
75	1071	1077	1078	1067	1053	1035	1016	995	974	956	941	929	924	924	927	933	946	962	980
80	964	968	970	959	947	930	913	895	877	861	851	840	836	837	840	845	856	870	885
85	861	864	865	855	845	829	815	798	782	768	761	752	750	752	755	759	769	780	793
90	762	765	765	756	747	733	719	705	691	678	673	666	664	665	670	674	683	694	704
95	668	671	667	661	651	639	624	613	598	591	584	582	581	580	587	588	598	604	617
100	577	580	577	572	561	552	537	524	508	500	490	488	486	485	492	494	506	515	530
105	484	486	483	477	465	456	440	429	415	408	399	397	396	395	401	404	414	422	436
110	394	395	391	387	376	368	354	344	332	325	318	317	315	314	320	322	332	338	351
115	314	315	312	307	298	291	279	270	259	253	247	245	244	243	248	251	259	265	276
120	244	246	242	239	230	224	213	206	196	190	184	183	182	181	186	188	195	201	211
125	184	185	182	179	172	166	157	151	142	139	134	133	132	132	136	137	142	147	155
130	134	135	133	130	125	120	114	108	103	101	97.6	96.6	96.2	96.6	98.9	101	102	106	111
135	98.2	97.8	96.9	94.6	90.4	85.3	79.6	74.6	70.4	69.5	66.9	66.3	66.0	66.4	68.2	70.0	69.3	71.7	75.7
140	67.8	67.7	66.8	64.9	61.0	56.5	51.4	48.1	44.7	44.8	42.6	42.3	42.0	42.0	43.6	44.7	44.0	43.3	46.4
145	43.6	43.9	42.9	41.8	39.4	35.4	32.8	30.1	31.9	32.3	31.9	32.0	31.9	31.9	32.4	32.6	32.0	28.5	27.6
150	31.1	31.2	31.1	30.8	30.0	29.1	18.8	18.0	23.0	21.2	19.4	18.8	18.3	18.3	19.5	20.6	22.6	20.9	22.2
155	20.2	20.3	19.8	19.1	17.5	16.1	10.2	9.53	10.5	9.34	8.44	8.10	7.84	7.83	8.52	9.11	10.4	9.70	8.96
160	9.35	9.36	8.89	8.42	7.66	7.13	6.66	6.76	6.73	6.72	6.74	6.81	6.87	6.78	6.72	6.70	6.74	6.82	6.73
165	6.68	6.69	6.78	6.71	6.80	6.98	7.16	7.32	7.39	7.29	7.27	7.25	7.41	7.31	7.31	7.36	7.46	7.45	7.31
170	7.28	7.35	7.40	7.41	7.52	7.57	7.67	7.90	7.96	7.86	7.73	7.78	8.11	7.93	7.82	7.91	8.04	8.07	7.92
175	7.98	7.95	7.97	7.98	8.02	7.99	8.10	8.26	8.33	8.21	8.07	8.37	8.63	8.56	8.34	8.24	8.38	8.38	8.30
180	9.43	9.46	9.38	9.18	9.18	9.19	9.18	9.18	9.16	9.13	9.31	9.41	9.44	9.46	9.39	9.18	9.18	9.19	9.19

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YZY  
Test Date:30 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:219.95V I:0.3465A P:75.317W PF:0.9883 Freq:49.99Hz Lamp Flux:9434.43x1 lm		
NAME: Round X2 Series AC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-75-100-240-5K-180-X2-DLG-*	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	1420	1420	1420	1420	1420														
5	1429	1426	1425	1424	1428														
10	1465	1461	1459	1456	1457														
15	1505	1505	1506	1506	1509														
20	1538	1542	1547	1551	1557														
25	1559	1568	1577	1585	1594														
30	1567	1581	1592	1604	1615														
35	1559	1577	1591	1606	1619														
40	1535	1556	1573	1590	1603														
45	1496	1516	1537	1557	1571														
50	1440	1461	1483	1501	1520														
55	1369	1390	1413	1432	1451														
60	1285	1307	1329	1349	1367														
65	1194	1215	1236	1255	1273														
70	1097	1117	1137	1155	1170														
75	999	1016	1035	1051	1064														
80	902	917	933	948	959														
85	809	821	835	848	857														
90	718	729	741	752	760														
95	626	639	648	660	665														
100	541	554	562	572	575														
105	446	460	468	479	483														
110	360	372	379	389	392														
115	284	295	301	310	312														
120	218	228	233	241	243														
125	161	169	174	180	182														
130	116	121	126	130	132														
135	80.4	86.1	91.9	94.9	97.1														
140	49.0	56.7	62.4	65.4	66.9														
145	29.9	35.0	35.6	42.0	42.8														
150	25.5	29.4	30.1	30.3	30.8														
155	14.9	16.8	18.2	17.7	19.7														
160	6.77	7.41	8.03	8.72	9.02														
165	7.08	6.81	6.66	6.65	6.58														
170	7.73	7.57	7.41	7.33	7.24														
175	8.16	8.08	8.03	7.97	7.84														
180	9.17	9.16	9.13	9.31	9.41														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:30 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: