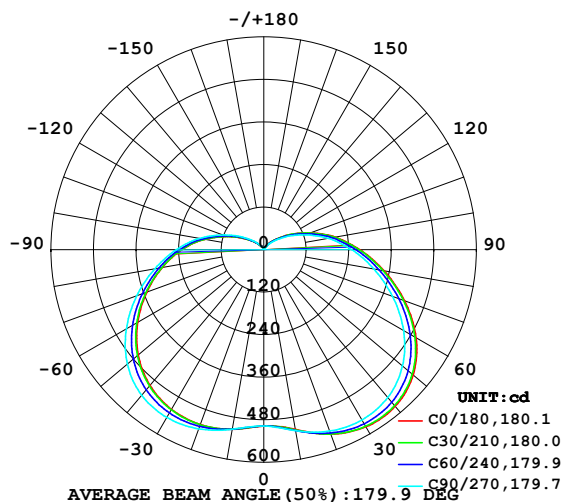


LUMINAIRE PHOTOMETRIC TEST REPORT

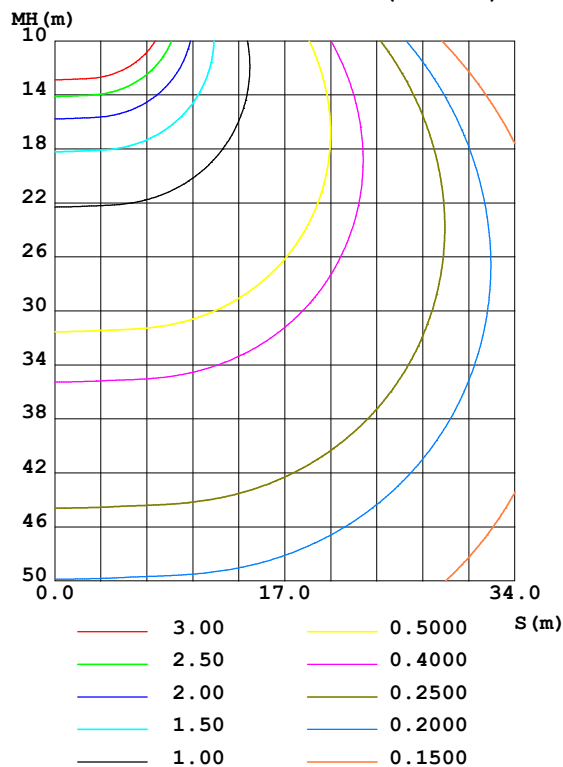
Test:U:24.200V I:1.0700A P:25.894W PF:1.0000 Freq:0Hz Lamp Flux:3306.85x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RED SKY-IES-RND-25-24-5K-180-X2-DLG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 127.71 lm/W			
MODEL	N/A	Imax(cd)	580.2	S/MH(C0/180)	1.56
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	1.64
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	3306.8	□ UP,DN(C0-180)	8.9,41.6
NOMINAL FLUX(lm)	3306.85	CIE CLASS	SEMI-D.	□ UP,DN(C180-360)	8.7,40.8
LAMPS INSIDE	1	□ up(%)	17.6	CIBSE SHR NOM	1.75
TEST VOLTAGE(V)	24	□ down(%)	82.4	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	514.5	516.7	518.5	516.7	514.4	514.1	514.3	514.1	0- 10	48.41	48.41	1.46,1.46
20	553.5	551.6	544.4	532.3	524.8	527.4	537.8	548.9	10- 20	150.2	198.6	6.01,6.01
30	577.0	571.5	554.6	532.7	520.2	525.8	546.7	568.4	20- 30	253.0	451.6	13.7,13.7
40	576.9	568.7	544.3	515.4	499.6	507.4	535.9	565.1	30- 40	342.9	794.6	24,24
50	550.1	540.4	510.8	478.2	462.3	471.0	502.3	535.3	40- 50	405.9	1201	36.3,36.3
60	495.8	485.9	455.4	424.1	410.8	418.9	447.8	480.1	50- 60	430.8	1631	49.3,49.3
70	422.8	414.0	386.7	361.0	351.2	357.6	381.3	408.9	60- 70	416.0	2047	61.9,61.9
80	344.5	337.4	315.2	296.5	290.2	294.6	312.1	333.6	70- 80	370.4	2418	73.1,73.1
90	271.1	265.7	248.2	234.5	230.8	233.8	247.1	263.0	80- 90	307.8	2725	82.4,82.4
100	205.1	200.4	186.0	173.6	169.0	171.5	185.0	198.8	90-100	237.7	2963	89.6,89.6
110	139.2	135.4	123.2	112.4	108.8	111.6	121.5	133.5	100-110	163.1	3126	94.5,94.5
120	86.26	83.08	74.13	65.59	62.53	64.59	72.86	81.92	110-120	97.01	3223	97.5,97.5
130	47.01	45.31	39.18	34.80	33.45	34.78	38.77	44.32	120-130	49.86	3273	99,99
140	23.99	22.64	17.52	15.45	14.65	15.62	16.33	22.11	130-140	22.17	3295	99.7,99.7
150	11.05	10.82	6.479	7.215	6.391	7.253	8.089	10.73	140-150	8.138	3303	99.9,99.9
160	3.380	2.991	2.355	2.380	2.423	2.349	2.359	2.813	150-160	2.419	3306	100,100
170	2.552	2.645	2.734	2.789	2.872	2.796	2.812	2.630	160-170	0.7145	3307	100,100
180	3.413	3.308	3.289	3.299	3.425	3.310	3.291	3.299	170-180	0.2748	3307	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 991.87 lm

%lum = 30.0%

%lamp = 30.0%

Conical surface Flux(120deg): 1631.3 lm

%lum = 49.3%

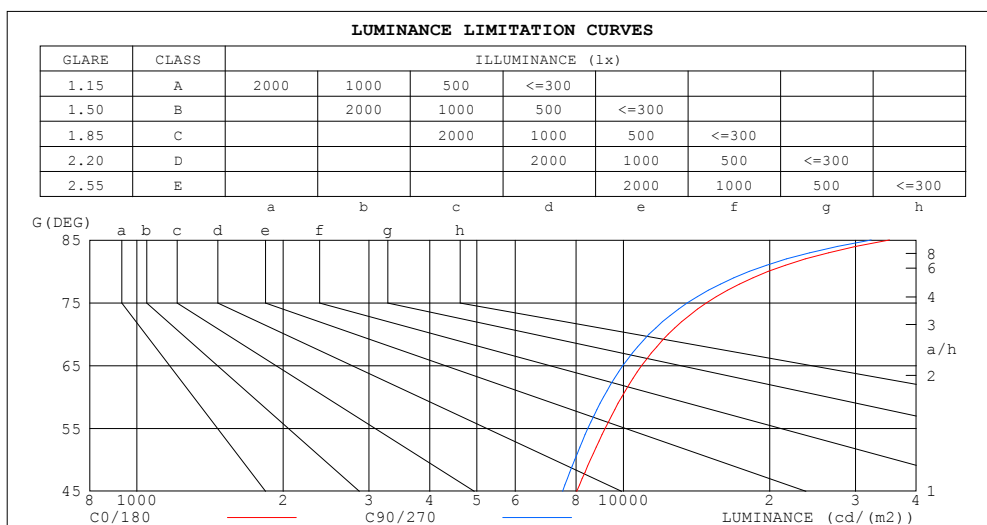
%lamp = 49.3%

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:24.200V I:1.0700A P:25.894W PF:1.0000 Freq:0Hz Lamp Flux:3306.85x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-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:

☐ 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:24.200V I:1.0700A P:25.894W PF:1.0000 Freq:0Hz Lamp Flux:3306.85x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-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 .074	.382 .219 .070	.360 .208 .067	.340 .197 .064	
2.0	.356 .195 .060	.345 .190 .058	.323 .180 .056	.303 .170 .053	.285 .161 .051	
3.0	.313 .167 .050	.303 .162 .049	.283 .154 .047	.265 .145 .045	.249 .138 .043	
4.0	.280 .145 .043	.270 .142 .042	.253 .134 .040	.236 .127 .038	.221 .120 .037	
5.0	.253 .129 .037	.244 .125 .037	.228 .119 .035	.213 .113 .034	.200 .107 .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	.192 .097 .028	.179 .092 .027	.167 .087 .026	
8.0	.196 .096 .027	.190 .093 .026	.177 .089 .025	.166 .084 .024	.155 .080 .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 .020	

□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	.324 .324 .324	.277 .277 .277	.189 .189 .189	.109 .109 .109	.035 .035 .035	
1.0	.323 .290 .261	.276 .249 .224	.189 .171 .155	.109 .099 .090	.035 .032 .029	
2.0	.317 .268 .226	.271 .230 .196	.186 .159 .136	.107 .093 .080	.034 .030 .026	
3.0	.309 .251 .205	.265 .217 .178	.182 .151 .125	.105 .088 .073	.034 .029 .024	
4.0	.302 .239 .191	.259 .206 .166	.178 .144 .117	.103 .084 .069	.033 .027 .023	
5.0	.294 .229 .182	.252 .198 .158	.174 .139 .112	.101 .081 .066	.032 .027 .022	
6.0	.286 .221 .175	.246 .192 .152	.170 .134 .108	.098 .079 .064	.032 .026 .021	
7.0	.279 .215 .170	.240 .186 .148	.166 .131 .105	.096 .077 .062	.031 .025 .021	
8.0	.272 .209 .166	.234 .182 .145	.162 .127 .103	.094 .075 .061	.030 .025 .020	
9.0	.266 .204 .163	.229 .177 .142	.158 .125 .101	.092 .074 .060	.030 .024 .020	
10.0	.259 .200 .161	.224 .174 .140	.155 .122 .100	.091 .072 .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:24.200V I:1.0700A P:25.894W PF:1.0000 Freq:0Hz Lamp Flux:3306.85x1 lm										
NAME: Round X2 Series DC					TYPE:Floodlight			WEIGHT:N/A		
SPEC.:RND-25-24-5K-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	15.8	17.3	16.3	17.8	18.3	15.4	16.9	16.0	17.4	18.0
3H	18.4	19.7	18.9	20.2	20.9	17.9	19.3	18.5	19.8	20.4
4H	19.7	21.0	20.3	21.6	22.2	19.3	20.5	19.8	21.1	21.7
6H	21.2	22.4	21.8	23.0	23.7	20.7	21.9	21.3	22.5	23.2
8H	22.0	23.2	22.6	23.8	24.5	21.5	22.7	22.1	23.3	23.9
12H	23.0	24.1	23.6	24.7	25.4	22.4	23.6	23.0	24.2	24.8
4H 2H	16.6	17.9	17.2	18.4	19.1	16.4	17.6	16.9	18.2	18.8
3H	19.4	20.5	20.0	21.1	21.8	19.0	20.2	19.6	20.8	21.4
4H	20.9	21.9	21.5	22.6	23.3	20.5	21.6	21.1	22.2	22.9
6H	22.6	23.5	23.2	24.1	24.9	22.2	23.1	22.8	23.7	24.5
8H	23.5	24.4	24.2	25.0	25.8	23.0	23.9	23.7	24.6	25.3
12H	24.5	25.4	25.2	26.0	26.8	24.1	24.9	24.7	25.6	26.3
8H 4H	21.5	22.3	22.1	23.0	23.8	21.2	22.0	21.8	22.7	23.5
6H	23.4	24.2	24.1	24.8	25.6	23.1	23.8	23.8	24.5	25.3
8H	24.5	25.2	25.2	25.9	26.7	24.2	24.8	24.9	25.5	26.3
12H	25.8	26.4	26.5	27.1	28.0	25.4	26.0	26.1	26.7	27.6
12H 4H	21.6	22.4	22.3	23.1	23.8	21.3	22.1	22.0	22.8	23.6
6H	23.7	24.3	24.4	25.0	25.8	23.3	24.0	24.1	24.7	25.5
8H	24.9	25.5	25.6	26.2	27.0	24.5	25.1	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, 3307 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 4.2$)

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:24.200V I:1.0700A P:25.894W PF:1.0000 Freq:0Hz Lamp Flux:3306.85x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-180-X2-DLG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

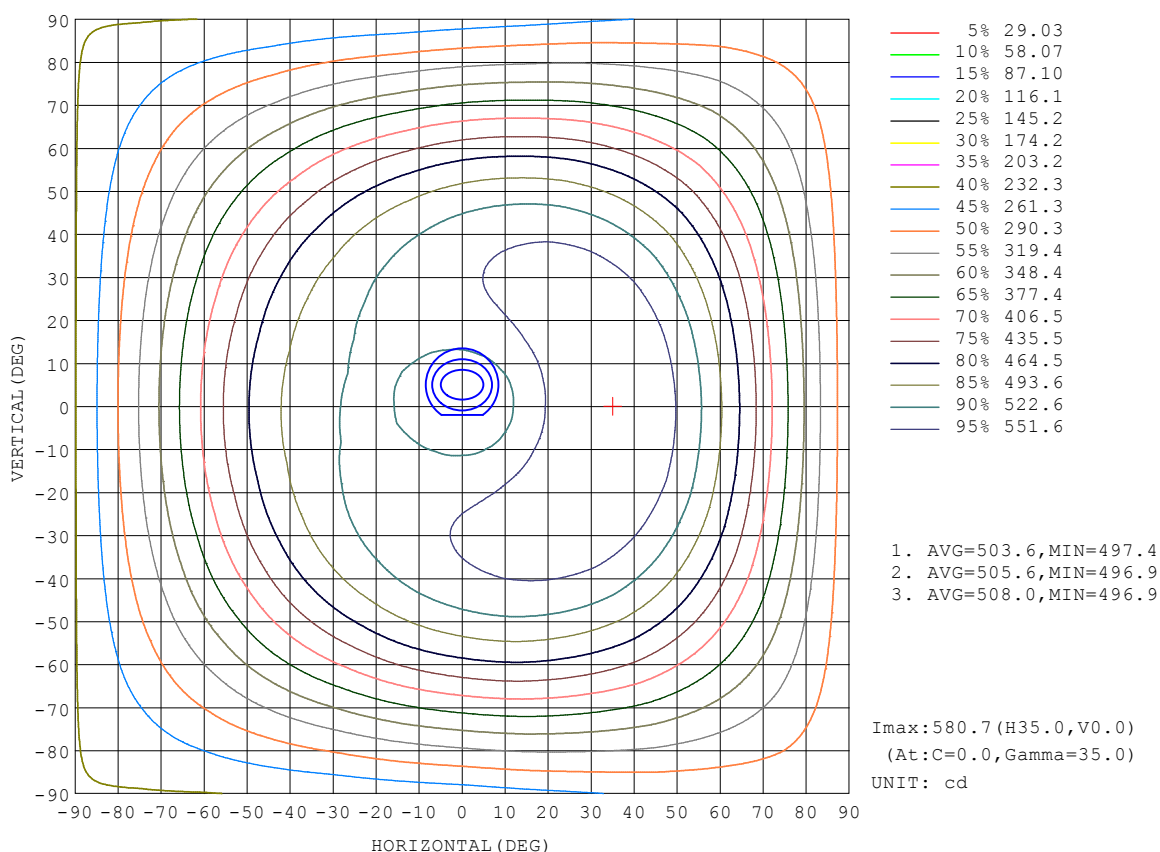
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	45	32	24	44	32	24	42	31	24	17
0.80	54	40	32	53	40	32	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	73	58
5.00	99	91	84	94	88	82	87	82	77	62
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: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:24.200V I:1.0700A P:25.894W PF:1.0000 Freq:0Hz Lamp Flux:3306.85x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-180-X2-DLG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A



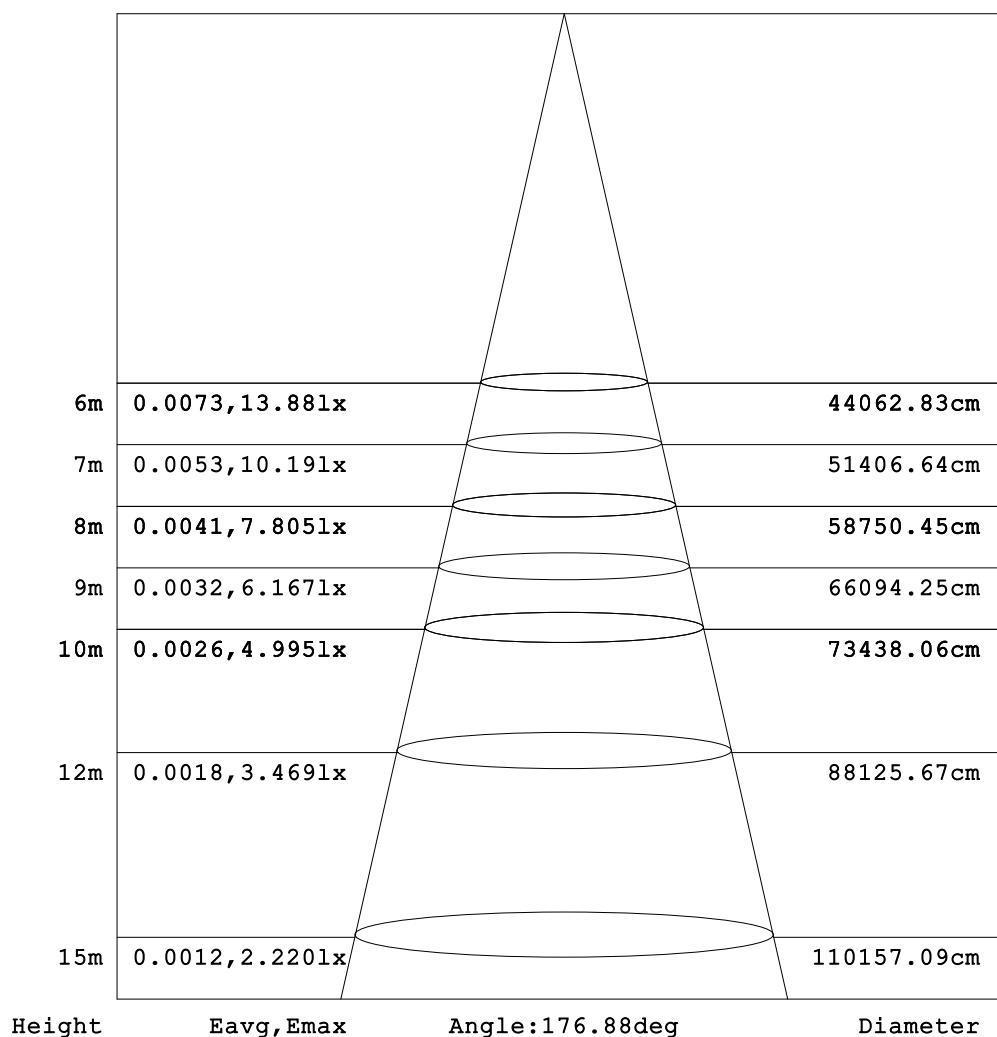
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:30 November 2022

☐ 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:24.200V I:1.0700A P:25.894W PF:1.0000 Freq:0Hz Lamp Flux:3306.85x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-180-X2-DLG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

Flux out:2698 lm



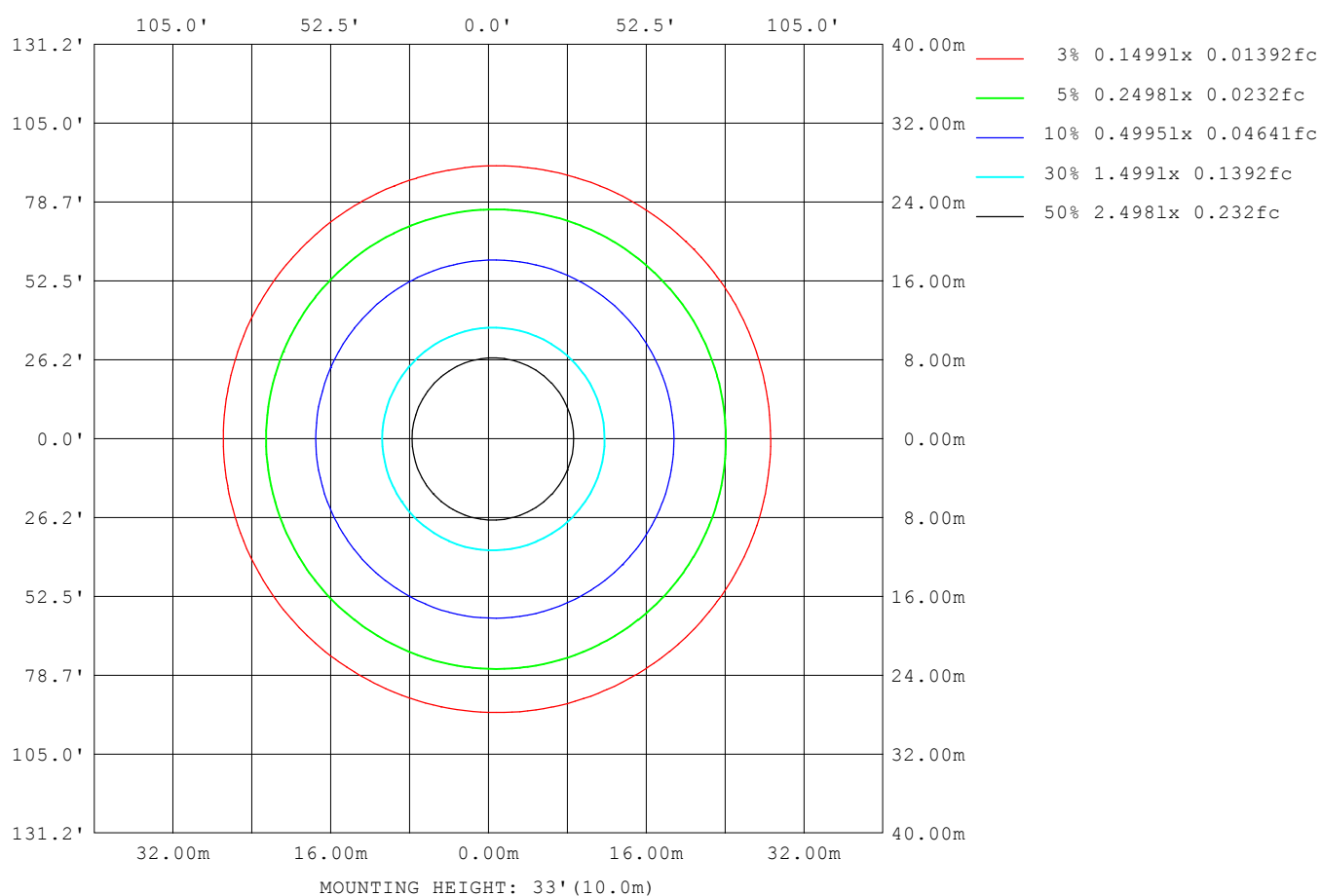
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:24.200V I:1.0700A P:25.894W PF:1.0000 Freq:0Hz Lamp Flux:3306.85x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-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:24.200V I:1.0700A P:25.894W PF:1.0000 Freq:0Hz Lamp Flux:3306.85x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-180-X2-DLG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

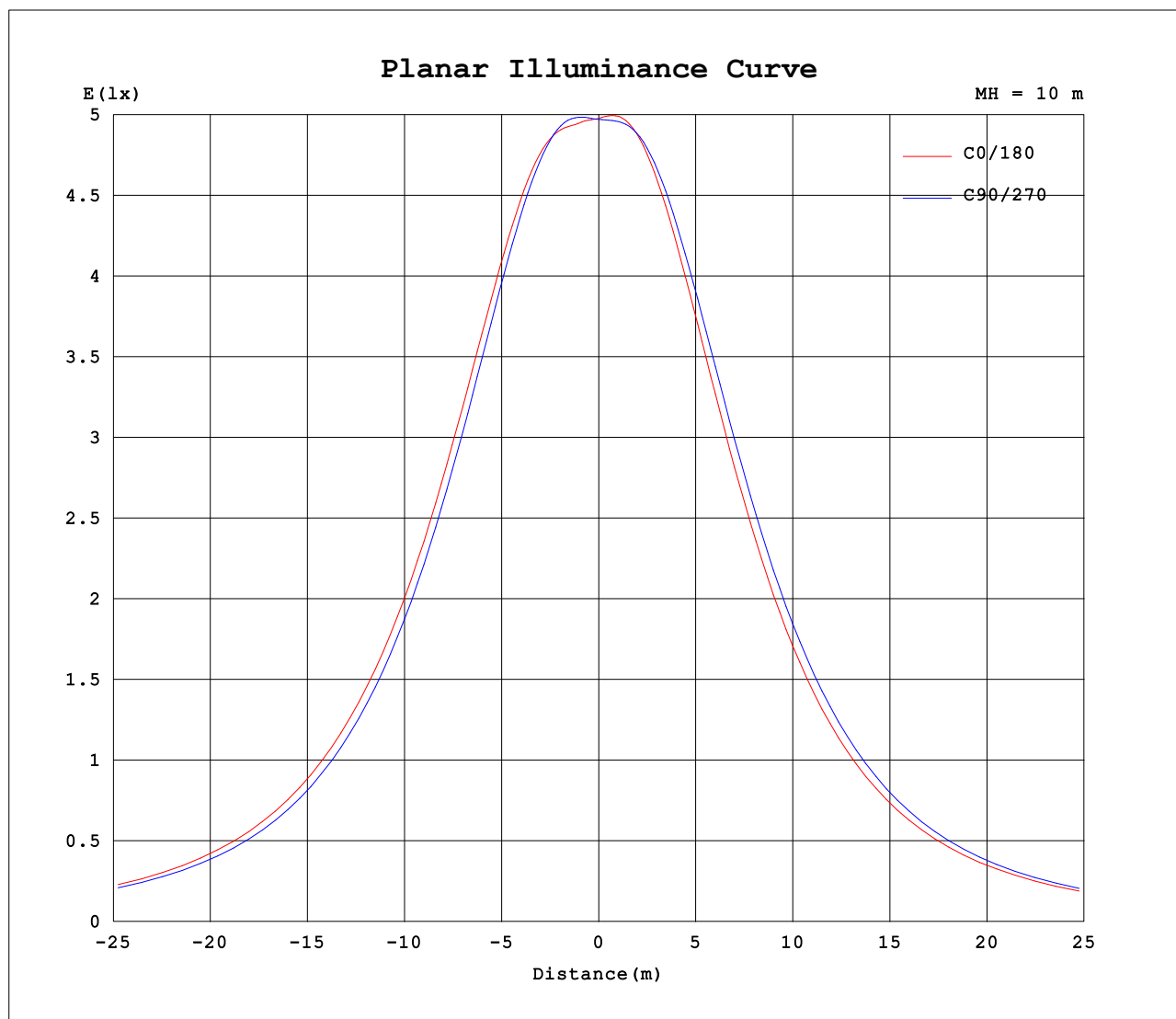
AvgL	cd/m2
L_0~180 (65) av	9967
L_0~180 (75) av	13601
L_0~180 (85) av	32538
L_90~270 (65) av	9908
L_90~270 (75) av	13470
L_90~270 (85) av	32165
L_45 (65) av	9933
L_45 (75) av	13532
L_45 (85) av	32333

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:24.200V I:1.0700A P:25.894W PF:1.0000 Freq:0Hz Lamp Flux:3306.85x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-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	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497
5	501	501	502	502	503	503	504	505	505	505	505	505	505	505	504	504	503	503	502
10	515	515	516	517	518	518	519	518	518	517	516	515	514	514	514	514	514	515	514
15	535	535	536	535	535	534	533	531	529	526	524	522	521	521	521	522	524	526	527
20	553	553	553	552	550	547	544	540	536	532	529	526	525	524	525	527	530	534	538
25	568	568	567	564	561	557	552	546	540	535	530	526	525	524	526	529	533	539	544
30	577	577	575	571	567	561	555	547	540	533	526	522	520	520	522	526	532	539	547
35	580	580	578	573	567	560	552	543	534	526	519	514	512	511	514	519	526	535	544
40	577	577	574	569	562	554	544	535	524	515	507	501	500	499	502	507	516	525	536
45	567	567	564	558	550	541	531	520	509	499	490	485	483	482	486	492	501	511	522
50	550	550	546	540	531	522	511	500	488	478	469	464	462	462	465	471	481	490	502
55	526	527	522	516	507	497	485	474	462	453	444	439	438	437	441	447	456	465	477
60	496	496	492	486	476	467	455	445	433	424	416	412	411	410	414	419	428	436	448
65	461	462	457	451	442	433	422	412	401	393	386	382	382	381	384	389	397	405	415
70	423	424	419	414	406	397	387	378	368	361	354	351	351	351	354	358	365	372	381
75	384	384	380	376	368	360	351	343	334	328	323	321	321	320	323	326	332	338	346
80	344	345	341	337	330	324	315	309	301	296	292	290	290	290	292	295	300	305	312
85	307	308	304	301	295	289	282	276	269	265	262	260	260	260	262	264	269	273	279
90	271	272	269	266	260	255	248	243	237	235	231	231	231	231	232	234	238	242	247
95	237	238	235	232	227	222	216	212	207	205	202	202	202	202	203	204	208	211	216
100	205	206	203	200	196	192	186	182	176	174	170	169	169	168	170	171	176	179	185
105	171	172	170	167	163	159	153	149	144	142	139	137	137	137	138	140	144	147	152
110	139	139	137	135	131	127	123	119	115	112	110	109	109	109	110	112	114	118	121
115	111	111	109	107	104	101	97.0	93.2	90.0	87.4	85.6	84.4	84.1	84.4	85.2	86.8	89.1	92.1	95.5
120	86.3	86.0	85.0	83.1	80.6	77.5	74.1	70.8	67.8	65.6	63.5	62.9	62.5	62.4	63.6	64.6	67.1	69.7	72.9
125	64.4	64.6	63.3	62.2	59.6	57.4	54.1	51.8	48.8	47.5	46.1	46.0	45.9	45.7	46.7	47.4	48.7	50.7	53.5
130	47.0	47.0	46.1	45.3	43.2	41.5	39.2	37.2	35.2	34.8	33.6	33.6	33.4	33.3	34.2	34.8	35.3	36.7	38.8
135	34.5	34.5	33.8	33.0	31.2	29.4	27.2	25.5	24.0	24.0	23.1	23.1	23.0	22.9	23.7	24.1	24.0	24.8	26.6
140	24.0	24.0	23.3	22.6	21.1	19.4	17.5	16.4	15.2	15.5	14.8	14.7	14.7	14.7	15.2	15.6	15.3	15.1	16.3
145	15.6	15.6	15.1	14.6	13.6	12.1	11.2	10.3	11.0	11.2	11.1	11.2	11.2	11.2	11.4	11.5	11.3	10.0	10.1
150	11.1	11.1	11.0	10.8	10.4	10.0	6.48	6.21	7.78	7.22	6.68	6.48	6.39	6.42	6.86	7.25	7.96	7.28	8.09
155	7.26	7.31	7.07	6.76	6.09	5.51	3.53	3.26	3.53	3.19	2.92	2.83	2.76	2.79	3.03	3.24	3.69	3.44	3.21
160	3.38	3.38	3.19	2.99	2.70	2.47	2.35	2.39	2.38	2.38	2.37	2.41	2.42	2.38	2.36	2.35	2.38	2.39	2.36
165	2.32	2.34	2.37	2.38	2.42	2.50	2.55	2.60	2.61	2.58	2.55	2.55	2.61	2.57	2.57	2.59	2.63	2.63	2.59
170	2.55	2.60	2.62	2.65	2.68	2.71	2.73	2.82	2.81	2.79	2.73	2.76	2.87	2.80	2.76	2.80	2.85	2.85	2.81
175	2.83	2.84	2.84	2.85	2.87	2.88	2.90	2.95	2.96	2.92	2.87	2.98	3.09	3.04	2.96	2.93	3.00	3.00	2.97
180	3.41	3.42	3.38	3.31	3.30	3.30	3.29	3.30	3.30	3.30	3.36	3.43	3.42	3.42	3.38	3.31	3.30	3.30	3.29

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:24.200V I:1.0700A P:25.894W PF:1.0000 Freq:0Hz Lamp Flux:3306.85x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-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	497	497	497	497	497														
5	501	501	500	500	501														
10	515	514	514	513	514														
15	529	531	532	533	534														
20	542	545	549	551	553														
25	551	556	561	564	567														
30	555	562	568	573	576														
35	553	562	570	575	579														
40	546	557	565	572	576														
45	533	544	554	561	566														
50	514	526	535	544	548														
55	488	500	510	519	524														
60	458	470	480	489	494														
65	425	437	446	454	459														
70	390	401	409	417	421														
75	354	364	371	379	382														
80	319	327	334	340	343														
85	285	292	297	304	306														
90	252	258	263	268	270														
95	220	226	230	235	237														
100	190	195	199	203	204														
105	156	161	165	169	171														
110	126	130	133	137	138														
115	99.2	103	106	108	110														
120	76.1	79.1	81.9	84.1	85.6														
125	55.8	58.7	60.6	62.9	63.8														
130	40.3	42.6	44.3	45.9	46.6														
135	28.1	30.4	32.3	33.6	34.2														
140	17.8	20.5	22.1	23.2	23.7														
145	11.0	13.5	14.2	15.0	15.3														
150	8.63	8.60	10.7	10.9	11.0														
155	5.35	6.06	6.23	6.98	7.13														
160	2.43	2.66	2.81	3.14	3.28														
165	2.50	2.41	2.33	2.32	2.31														
170	2.76	2.70	2.63	2.58	2.57														
175	2.92	2.90	2.86	2.80	2.80														
180	3.29	3.29	3.30	3.36	3.43														

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: