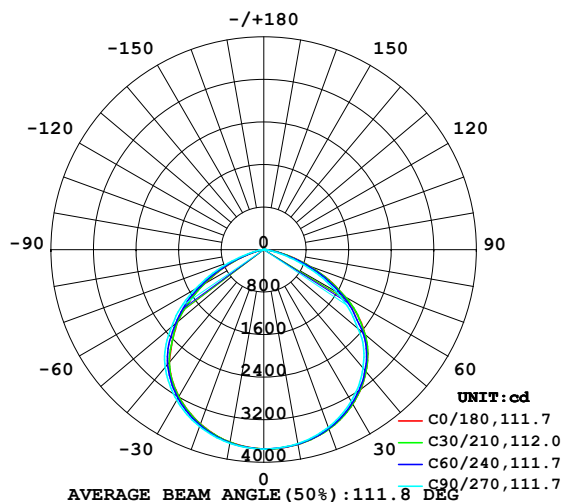


LUMINAIRE PHOTOMETRIC TEST REPORT

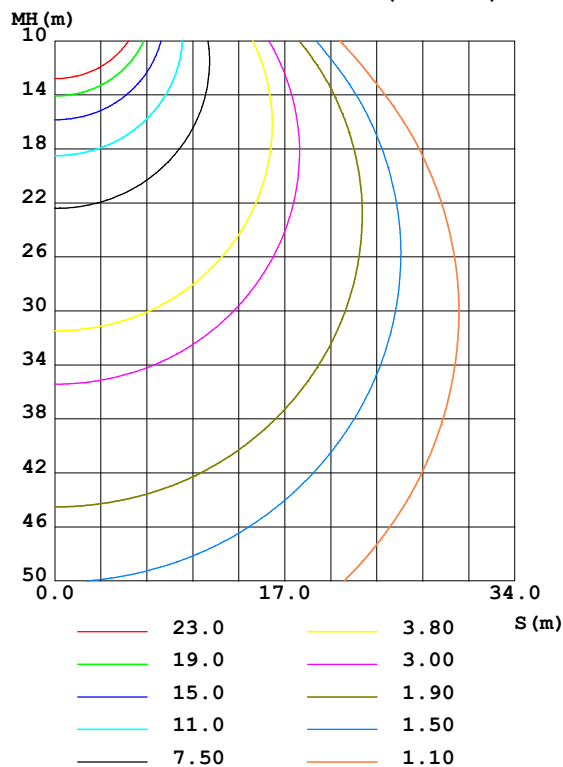
Test:U:24.200V I:2.8300A P:68.486W PF:1.0000 Freq:0Hz Lamp Flux:10209.2x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-24-5K-110-X2-CG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 149.07 lm/W			
MODEL	N/A	I _{max} (cd)	3751	S/MH(C0/180)	1.27
NOMINAL POWER(W)	65	LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	10209	□ UP,DN(C0-180)	0.2,50.7
NOMINAL FLUX(lm)	10209.2	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)	24	□ 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:23 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	3717	3717	3702	3683	3674	3679	3696	3710	0- 10	355.3	355.3	3.48, 3.48
20	3588	3588	3553	3511	3487	3496	3537	3569	10- 20	1026	1382	13.5, 13.5
30	3350	3348	3290	3226	3192	3204	3271	3319	20- 30	1578	2960	29, 29
40	2994	2989	2906	2810	2763	2787	2884	2952	30- 40	1937	4897	48, 48
50	2487	2478	2323	2212	2114	2131	2264	2397	40- 50	2015	6912	67.7, 67.7
60	1760	1749	1572	1393	1301	1349	1488	1647	50- 60	1724	8636	84.6, 84.6
70	920.7	899.8	740.6	553.3	489.6	507.9	645.6	847.6	60- 70	1097	9733	95.3, 95.3
80	238.0	219.1	133.9	61.25	37.07	49.61	99.30	179.1	70- 80	394.2	10127	99.2, 99.2
90	10.42	7.991	1.619	1.201	1.015	0.9992	1.031	3.785	80- 90	44.22	10172	99.6, 99.6
100	1.497	1.519	1.770	2.106	2.223	2.175	1.822	1.512	90-100	1.713	10173	99.6, 99.6
110	3.045	3.088	3.536	3.984	4.152	4.096	3.624	3.173	100-110	2.800	10176	99.7, 99.7
120	5.113	5.178	5.762	6.152	6.285	6.245	5.834	5.270	110-120	4.595	10181	99.7, 99.7
130	7.157	7.270	7.904	8.138	8.138	8.134	7.903	7.309	120-130	6.048	10187	99.8, 99.8
140	8.784	8.956	9.502	9.603	9.459	9.470	9.399	8.915	130-140	6.599	10193	99.8, 99.8
150	9.978	10.23	10.59	10.65	10.50	10.50	10.47	10.16	140-150	6.168	10200	99.9, 99.9
160	11.11	11.31	11.51	11.54	11.53	11.43	11.42	11.24	150-160	5.022	10205	100, 100
170	12.29	12.37	12.42	12.46	12.61	12.44	12.42	12.34	160-170	3.357	10208	100, 100
180	13.19	13.10	13.07	13.08	13.21	13.09	13.08	13.07	170-180	1.213	10209	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 5916.8 lm

%lum = 58.0%

%lamp = 58.0%

Conical surface Flux(120deg): 8636.1 lm

%lum = 84.6%

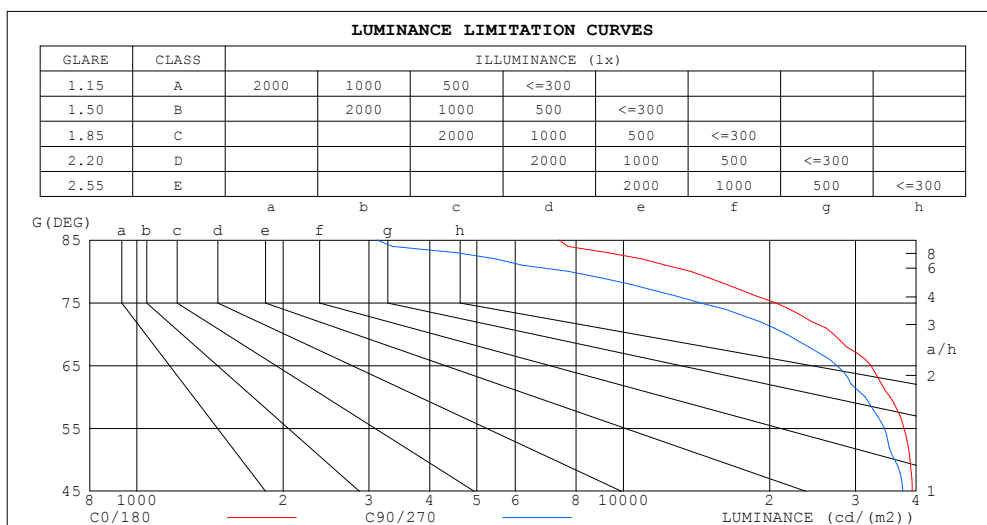
%lamp = 84.6%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:23 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:2.8300A P:68.486W PF:1.0000 Freq:0Hz Lamp Flux:10209.2x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-24-5K-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	7380	3119
80	13757	7706
75	20555	14357
70	27017	21640
65	32305	27463
60	35327	31414
55	37757	34378
50	38838	36123
45	39251	37560

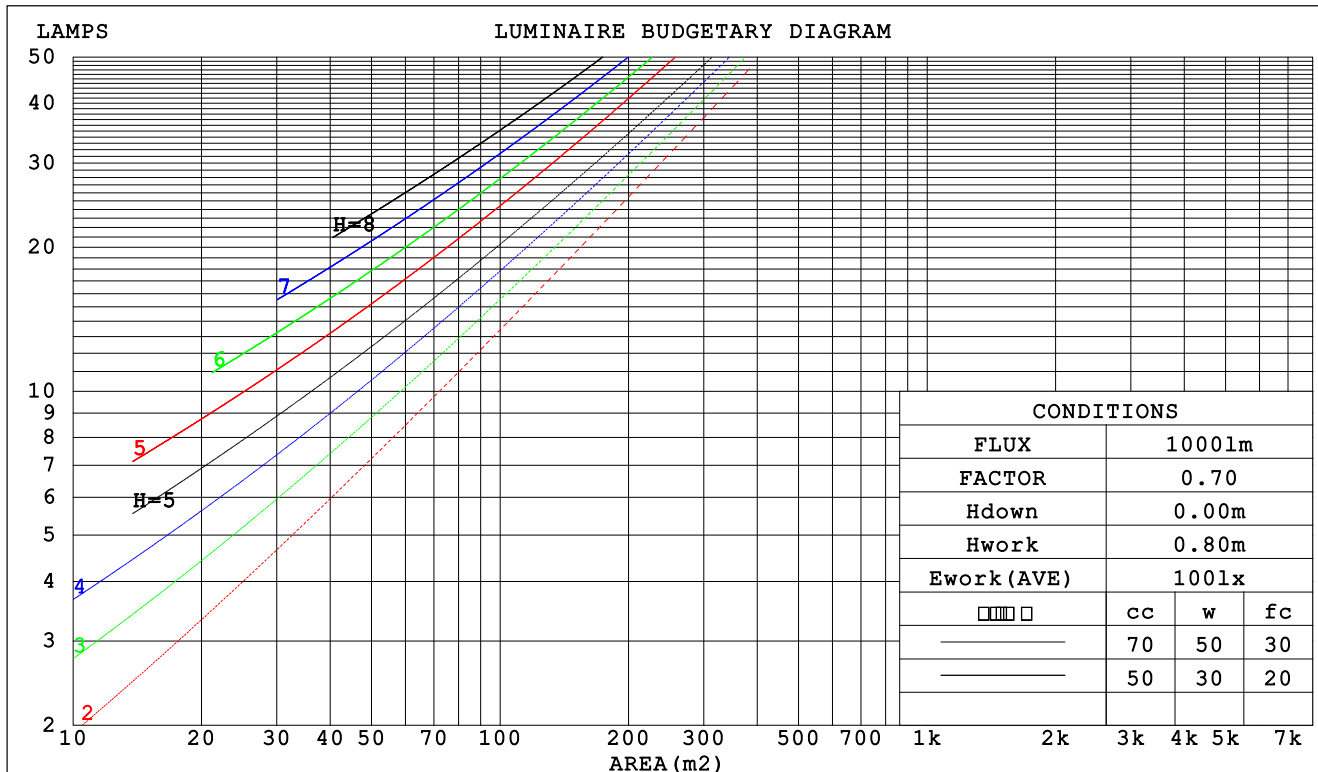
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YZY
Test Date:23 November 2022

☐ 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:24.200V I:2.8300A P:68.486W PF:1.0000 Freq:0Hz Lamp Flux:10209.2x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-24-5K-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	.87	.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	.58	.69	.62	.57	.67	.61	.56	.64	.59	.55	.53														
5.0	.65	.56	.50	.64	.56	.50	.62	.55	.49	.60	.54	.49	.58	.52	.48	.46														
6.0	.59	.50	.44	.58	.49	.43	.56	.49	.43	.54	.48	.43	.53	.47	.42	.40														
7.0	.53	.45	.39	.52	.44	.38	.51	.43	.38	.49	.43	.38	.48	.42	.38	.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	.28	.26														



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:23 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:24.200V I:2.8300A P:68.486W PF:1.0000 Freq:0Hz Lamp Flux:10209.2x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-24-5K-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	.255 .147 .047	.243 .140 .045	.232 .134 .043	
2.0	.268 .147 .045	.262 .144 .044	.250 .139 .043	.239 .134 .042	.229 .130 .041	
3.0	.253 .135 .040	.248 .133 .040	.237 .129 .039	.228 .125 .038	.219 .121 .037	
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	.208 .109 .032	.201 .106 .032	.194 .104 .031	
6.0	.206 .103 .030	.203 .102 .029	.195 .100 .029	.188 .098 .029	.182 .096 .028	
7.0	.193 .095 .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 .084 .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 .008	
5.0	.150 .093 .051	.128 .081 .045	.088 .056 .032	.051 .033 .019	.017 .011 .006	
6.0	.143 .085 .043	.123 .073 .038	.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:23 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:2.8300A P:68.486W PF:1.0000 Freq:0Hz Lamp Flux:10209.2x1 lm										
NAME: Round X2 Series DC					TYPE:Floodlight			WEIGHT:N/A		
SPEC.:RND-65-24-5K-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	19.0	20.1	20.4
8H	19.4	20.6	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	20.4	19.9	20.7	21.1
8H	20.2	21.0	20.6	21.4	21.8	19.5	20.3	19.9	20.6	21.0
12H	20.2	20.9	20.6	21.3	21.7	19.4	20.2	19.9	20.6	21.0
8H 4H	20.1	20.9	20.5	21.3	21.7	19.5	20.3	19.9	20.7	21.1
6H	20.3	21.0	20.8	21.4	21.8	19.7	20.3	20.1	20.7	21.2
8H	20.4	21.0	20.8	21.4	21.9	19.7	20.2	20.1	20.7	21.1
12H	20.4	20.9	20.9	21.3	21.8	19.6	20.1	20.1	20.6	21.1
12H 4H	20.1	20.8	20.5	21.2	21.6	19.5	20.3	19.9	20.6	21.1
6H	20.3	20.9	20.8	21.3	21.8	19.7	20.2	20.1	20.7	21.1
8H	20.4	20.9	20.9	21.3	21.8	19.7	20.2	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					+ 0.3 / - 0.6				

 CIE Pub.117, 10209 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 8.1$)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:23 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:2.8300A P:68.486W PF:1.0000 Freq:0Hz Lamp Flux:10209.2x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-24-5K-110-X2-CG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

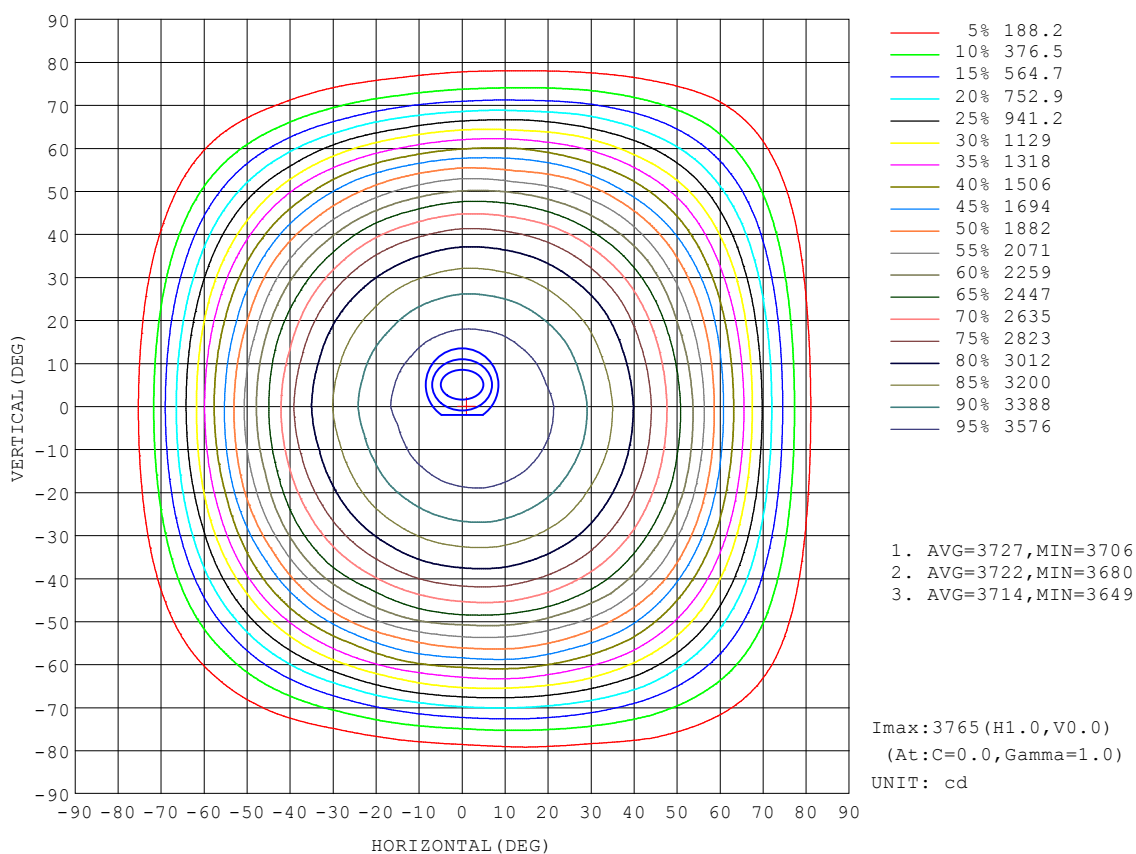
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	48	41	58	47	41	57	47	41	34
0.80	69	58	51	68	58	51	67	57	51	44
1.00	78	68	61	77	67	61	75	68	60	53
1.25	85	76	69	84	75	69	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	104	100	103	100	97	88
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:23 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:2.8300A P:68.486W PF:1.0000 Freq:0Hz Lamp Flux:10209.2x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-24-5K-110-X2-CG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A



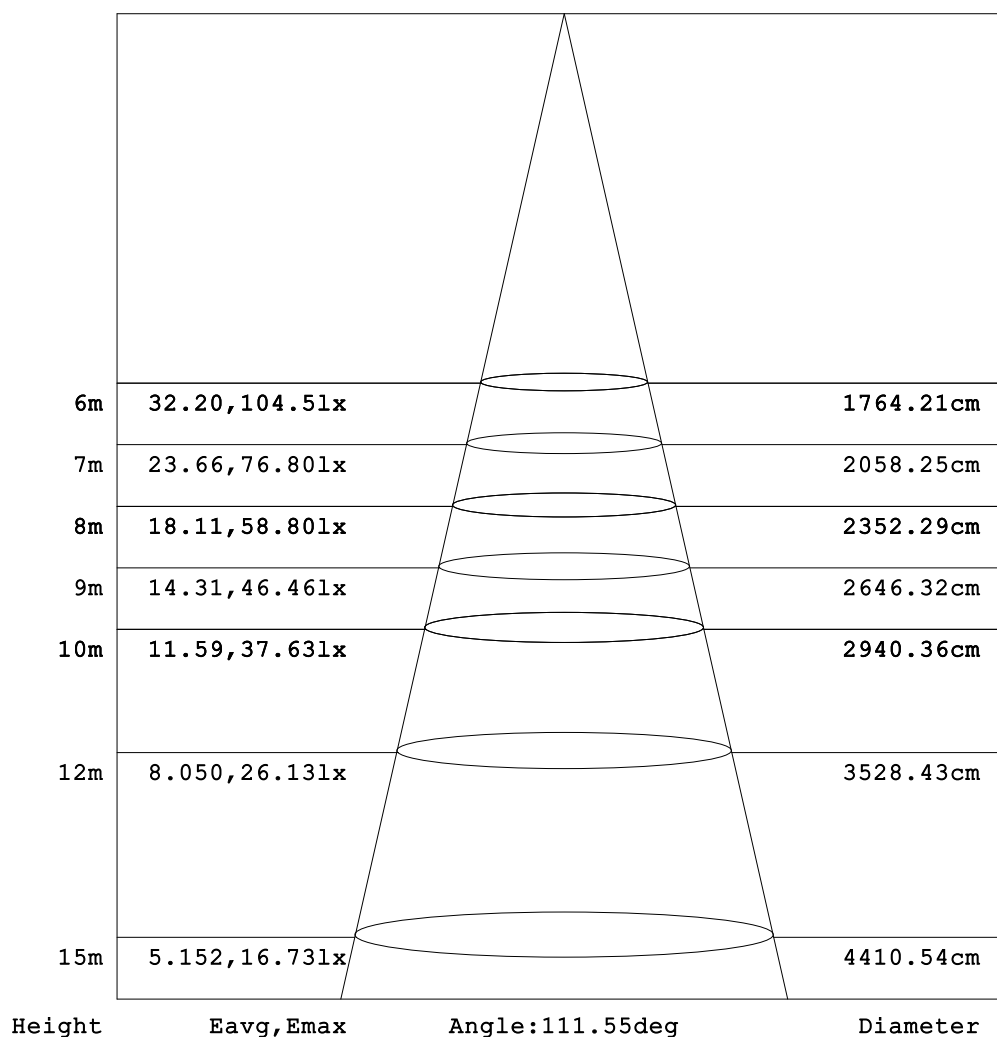
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:23 November 2022

☐ 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:2.8300A P:68.486W PF:1.0000 Freq:0Hz Lamp Flux:10209.2x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-24-5K-110-X2-CG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

Flux out:8004 lm



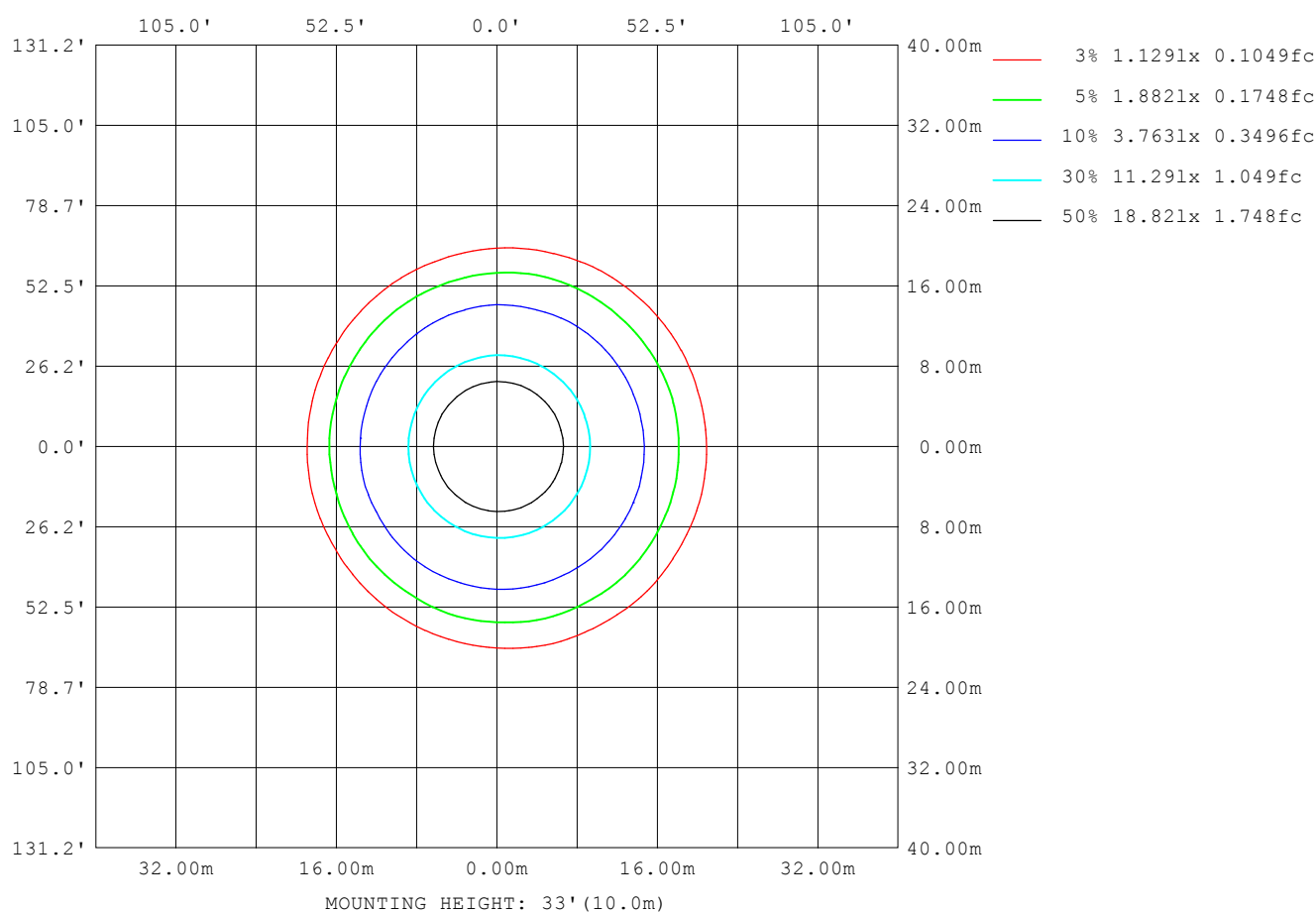
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:23 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:2.8300A P:68.486W PF:1.0000 Freq:0Hz Lamp Flux:10209.2x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-24-5K-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:23 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:2.8300A P:68.486W PF:1.0000 Freq:0Hz Lamp Flux:10209.2x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-24-5K-110-X2-CG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

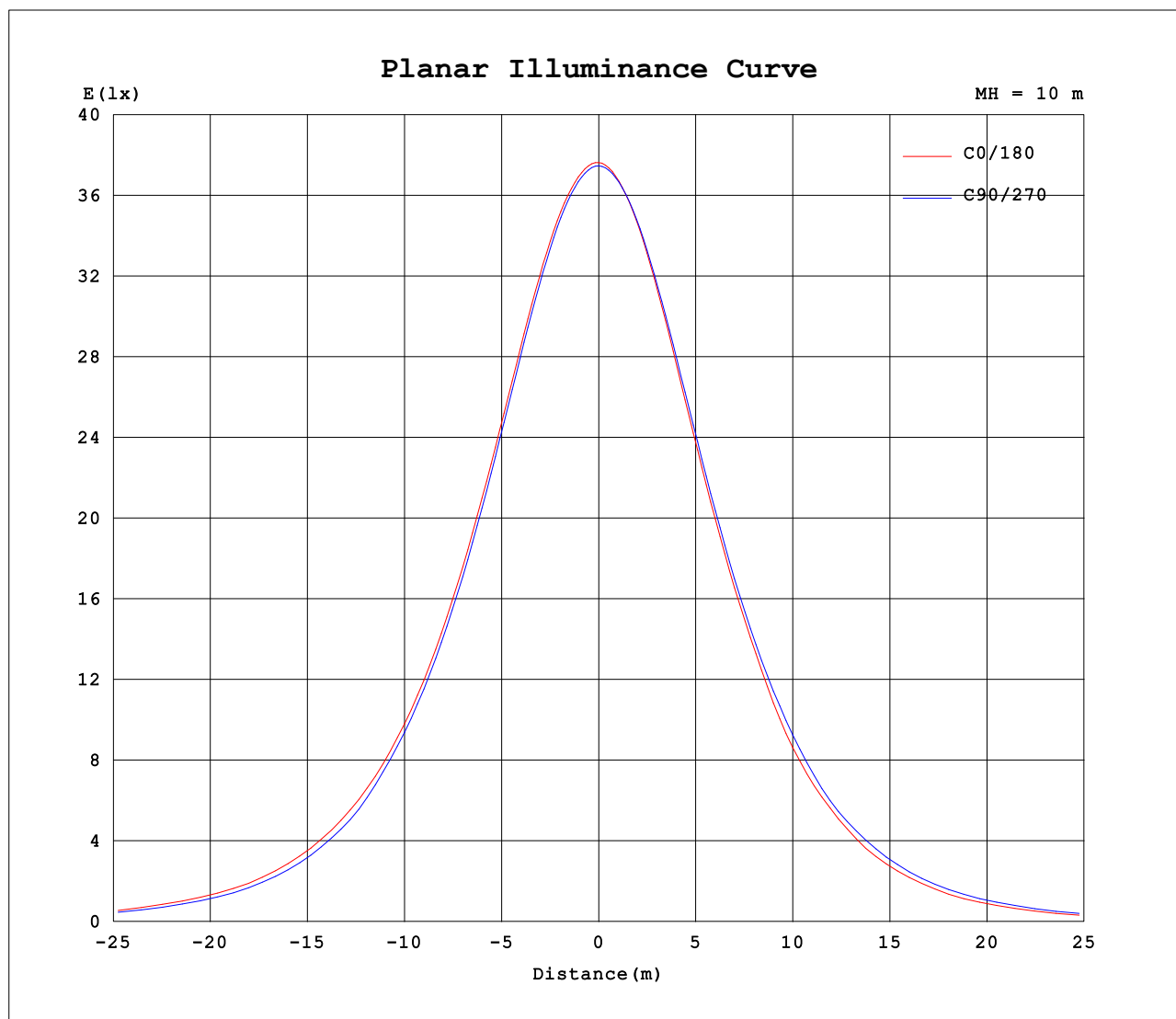
AvgL	cd/m2
L_0~180 (65) av	26498
L_0~180 (75) av	14070
L_0~180 (85) av	3953
L_90~270 (65) av	26343
L_90~270 (75) av	13151
L_90~270 (85) av	2724
L_45 (65) av	26222
L_45 (75) av	13927
L_45 (85) av	2982

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:23 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: 23 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:2.8300A P:68.486W PF:1.0000 Freq:0Hz Lamp Flux:10209.2x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-24-5K-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	3749	3749	3749	3749	3749	3749	3749	3749	3749	3749	3749	3749	3749	3749	3749	3749	3749	3749	3749
5	3743	3743	3741	3742	3740	3739	3736	3734	3731	3730	3727	3725	3725	3725	3726	3727	3729	3731	3734
10	3717	3716	3716	3717	3714	3710	3702	3697	3688	3683	3677	3675	3674	3673	3676	3679	3686	3690	3696
15	3667	3669	3668	3669	3660	3654	3641	3632	3619	3610	3600	3596	3596	3594	3598	3603	3614	3620	3629
20	3588	3593	3591	3588	3577	3569	3553	3540	3522	3511	3495	3490	3487	3485	3492	3496	3511	3524	3537
25	3482	3489	3485	3481	3468	3458	3436	3417	3396	3383	3363	3357	3352	3349	3357	3362	3383	3401	3420
30	3350	3356	3349	3348	3331	3318	3290	3270	3242	3226	3203	3193	3192	3188	3195	3204	3228	3246	3271
35	3188	3194	3184	3184	3164	3148	3115	3092	3058	3035	3012	3000	3001	2993	3005	3016	3037	3062	3093
40	2994	2999	2992	2989	2966	2946	2906	2878	2836	2810	2780	2771	2763	2743	2765	2787	2817	2844	2884
45	2765	2774	2766	2759	2738	2712	2658	2616	2564	2540	2504	2456	2433	2443	2441	2471	2528	2561	2619
50	2487	2503	2490	2478	2440	2387	2323	2296	2244	2212	2163	2131	2114	2084	2122	2131	2160	2209	2264
55	2158	2184	2159	2136	2067	2027	1973	1905	1869	1806	1731	1746	1707	1690	1716	1750	1804	1853	1915
60	1760	1780	1770	1749	1689	1661	1572	1522	1433	1393	1340	1305	1301	1298	1312	1349	1373	1413	1488
65	1360	1364	1339	1325	1278	1225	1161	1089	1010	956	906	873	879	866	899	896	952	981	1065
70	921	930	919	900	844	805	741	677	605	553	499	503	490	485	500	508	523	581	646
75	530	526	518	511	472	429	372	329	281	256	220	207	198	188	203	212	242	268	309
80	238	241	228	219	186	172	134	104	77.1	61.3	52.6	41.5	37.1	44.5	39.6	49.6	59.5	75.9	99.3
85	64.1	60.5	64.1	49.9	48.6	34.7	27.2	21.8	15.3	11.4	7.66	6.26	4.82	4.42	5.61	7.01	10.8	14.3	20.3
90	10.4	11.4	9.62	7.99	4.64	2.55	1.62	1.35	1.25	1.20	1.20	1.19	1.01	1.01	1.00	1.00	0.97	0.99	1.03
95	1.24	1.20	1.23	1.20	1.20	1.19	1.24	1.30	1.39	1.45	1.53	1.56	1.49	1.50	1.47	1.45	1.37	1.31	1.20
100	1.50	1.47	1.50	1.52	1.59	1.64	1.77	1.86	2.02	2.11	2.23	2.27	2.22	2.25	2.20	2.18	2.05	1.98	1.82
105	2.16	2.12	2.18	2.20	2.32	2.39	2.57	2.68	2.88	2.98	3.13	3.17	3.13	3.17	3.10	3.08	2.93	2.84	2.65
110	3.04	3.00	3.06	3.09	3.23	3.33	3.54	3.67	3.88	3.98	4.15	4.20	4.15	4.20	4.13	4.10	3.93	3.84	3.62
115	4.05	3.99	4.06	4.10	4.26	4.39	4.62	4.75	4.96	5.06	5.23	5.27	5.23	5.28	5.20	5.17	5.01	4.92	4.71
120	5.11	5.05	5.13	5.18	5.36	5.51	5.76	5.89	6.08	6.15	6.31	6.34	6.28	6.33	6.26	6.24	6.10	6.03	5.83
125	6.17	6.11	6.19	6.25	6.46	6.62	6.88	7.00	7.15	7.20	7.32	7.35	7.27	7.31	7.25	7.25	7.14	7.10	6.92
130	7.16	7.10	7.18	7.27	7.49	7.67	7.90	8.01	8.14	8.14	8.21	8.22	8.14	8.16	8.13	8.13	8.07	8.05	7.90
135	8.03	7.98	8.07	8.18	8.41	8.59	8.78	8.89	8.97	8.94	8.96	8.98	8.86	8.88	8.85	8.86	8.84	8.84	8.72
140	8.78	8.74	8.84	8.96	9.17	9.34	9.50	9.59	9.66	9.60	9.58	9.57	9.46	9.47	9.44	9.47	9.48	9.50	9.40
145	9.40	9.41	9.51	9.63	9.83	9.97	10.1	10.2	10.2	10.2	10.1	10.1	9.99	9.98	9.97	10.0	10.0	10.0	9.97
150	9.98	10.0	10.1	10.2	10.4	10.5	10.6	10.7	10.7	10.7	10.6	10.6	10.5	10.5	10.5	10.5	10.5	10.5	10.5
155	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.1	11.1	11.1	11.1	11.0	11.0	10.9	10.9	11.0	11.0	11.0	10.9
160	11.1	11.2	11.3	11.3	11.4	11.4	11.5	11.6	11.6	11.5	11.5	11.5	11.5	11.4	11.4	11.4	11.4	11.5	11.4
165	11.7	11.8	11.8	11.8	11.9	11.9	12.0	12.0	12.0	12.0	12.0	12.0	12.1	12.0	11.9	11.9	11.9	12.0	11.9
170	12.3	12.3	12.3	12.4	12.4	12.4	12.4	12.4	12.5	12.5	12.5	12.5	12.6	12.5	12.5	12.4	12.4	12.4	12.4
175	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.9	12.9	12.9	13.0	13.0	12.9	12.9	12.9	12.8	12.8
180	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.2	13.2	13.1	13.1	13.1	13.1	13.1

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YZY
Test Date:23 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:2.8300A P:68.486W PF:1.0000 Freq:0Hz Lamp Flux:10209.2x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-24-5K-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	3749	3749	3749	3749	3749														
5	3736	3739	3740	3743	3744														
10	3700	3706	3710	3715	3717														
15	3637	3649	3654	3663	3667														
20	3547	3562	3569	3582	3588														
25	3431	3449	3459	3475	3480														
30	3284	3304	3319	3340	3347														
35	3110	3135	3150	3176	3183														
40	2904	2932	2952	2981	2988														
45	2647	2691	2714	2747	2757														
50	2313	2353	2397	2434	2464														
55	1933	2022	2072	2100	2119														
60	1575	1622	1647	1710	1767														
65	1121	1217	1255	1314	1329														
70	693	792	848	896	899														
75	354	411	463	500	522														
80	125	158	179	208	219														
85	25.1	31.1	35.7	44.6	53.8														
90	1.16	2.01	3.78	6.63	8.37														
95	1.14	1.05	1.01	0.96	0.96														
100	1.73	1.58	1.51	1.42	1.40														
105	2.53	2.35	2.26	2.13	2.10														
110	3.49	3.27	3.17	3.02	2.98														
115	4.55	4.31	4.20	4.02	3.97														
120	5.67	5.40	5.27	5.08	5.03														
125	6.75	6.47	6.33	6.13	6.07														
130	7.75	7.48	7.31	7.10	7.03														
135	8.59	8.35	8.17	7.97	7.89														
140	9.29	9.10	8.92	8.72	8.63														
145	9.89	9.75	9.56	9.38	9.28														
150	10.4	10.3	10.2	9.99	9.90														
155	10.9	10.8	10.7	10.6	10.5														
160	11.4	11.3	11.2	11.2	11.1														
165	11.9	11.8	11.8	11.7	11.7														
170	12.4	12.4	12.3	12.3	12.3														
175	12.8	12.8	12.8	12.8	12.8														
180	13.1	13.1	13.1	13.1	13.1														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:23 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: