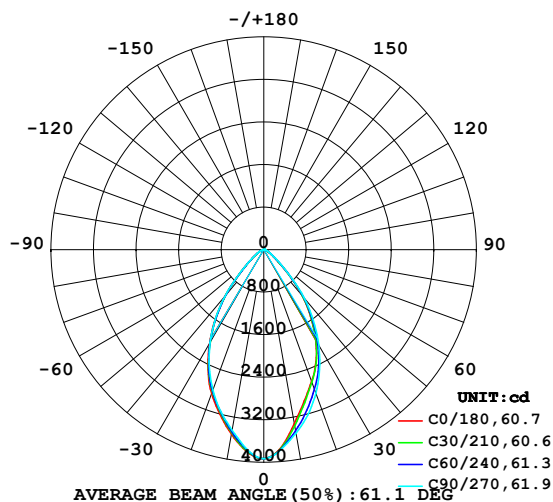


LUMINAIRE PHOTOMETRIC TEST REPORT

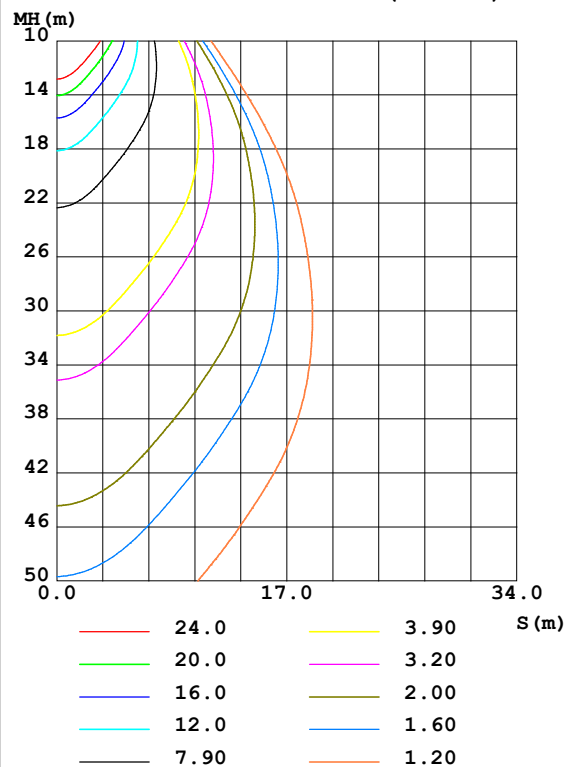
Test:U:24.300V I:0.9900A P:24.050W PF:1.0000 Freq:0Hz Lamp Flux:4211.91x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-60-X2-CG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 175.13 lm/W			
MODEL	N/A	I _{max} (cd)	3929	S/MH (C0/180)	0.89
NOMINAL POWER (W)	25	LOR (%)	100.0	S/MH (C90/270)	0.87
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	4211.9	□ UP, DN (C0-180)	0.2, 50.1
NOMINAL FLUX (lm)	4211.91	CIE CLASS	DIRECT	□ UP, DN (C180-360)	0.2, 49.5
LAMPS INSIDE	1	□ up (%)	0.4	CIBSE SHR NOM	1.00
TEST VOLTAGE (V)	24	□ down (%)	99.6	CIBSE SHR MAX	1.00

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: 12 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	3324	3411	3500	3513	3520	3475	3445	3393	0- 10	349.0	349.0	8.29,8.29
20	2637	2726	2870	2883	2873	2828	2806	2746	10- 20	876.4	1225	29.1,29.1
30	1953	2004	2071	2075	2045	2005	2023	1994	20- 30	1111	2337	55.5,55.5
40	1125	1149	1178	1165	1125	1095	1132	1136	30- 40	983.4	3320	78.8,78.8
50	359.2	374.4	399.0	403.5	379.9	368.6	384.8	373.3	40- 50	539.4	3860	91.6,91.6
60	134.1	139.4	144.0	146.9	140.7	138.1	142.8	138.4	50- 60	208.2	4068	96.6,96.6
70	57.75	58.42	57.39	56.29	54.53	54.11	56.36	57.32	60- 70	93.42	4161	98.8,98.8
80	11.53	11.45	10.45	9.519	8.985	8.876	10.20	10.92	70- 80	31.70	4193	99.5,99.5
90	0.2072	0.1877	0.1945	0.1677	0.1412	0.1490	0.1375	0.1643	80- 90	3.181	4196	99.6,99.6
100	0.2033	0.2096	0.2073	0.2218	0.2110	0.1996	0.2148	0.2025	90-100	0.1819	4196	99.6,99.6
110	0.4550	0.4563	0.4699	0.4717	0.4522	0.4476	0.4740	0.4631	100-110	0.3294	4197	99.6,99.6
120	1.156	1.130	1.181	1.177	1.118	1.145	1.178	1.161	110-120	0.7468	4197	99.7,99.7
130	2.523	2.466	2.560	2.534	2.418	2.486	2.548	2.517	120-130	1.581	4199	99.7,99.7
140	4.443	4.367	4.485	4.398	4.201	4.332	4.462	4.417	130-140	2.623	4202	99.8,99.8
150	6.514	6.509	6.590	6.433	6.179	6.357	6.557	6.512	140-150	3.382	4205	99.8,99.8
160	8.471	8.488	8.483	8.339	8.219	8.304	8.448	8.436	150-160	3.414	4208	99.9,99.9
170	10.09	10.08	10.01	9.962	10.02	9.981	10.06	10.03	160-170	2.597	4211	100,100
180	10.95	10.87	10.88	10.85	10.96	10.86	10.88	10.84	170-180	0.9926	4212	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 3653 lm

%lum = 86.7%

%lamp = 86.7%

Conical surface Flux(120deg): 4067.8 lm

%lum = 96.6%

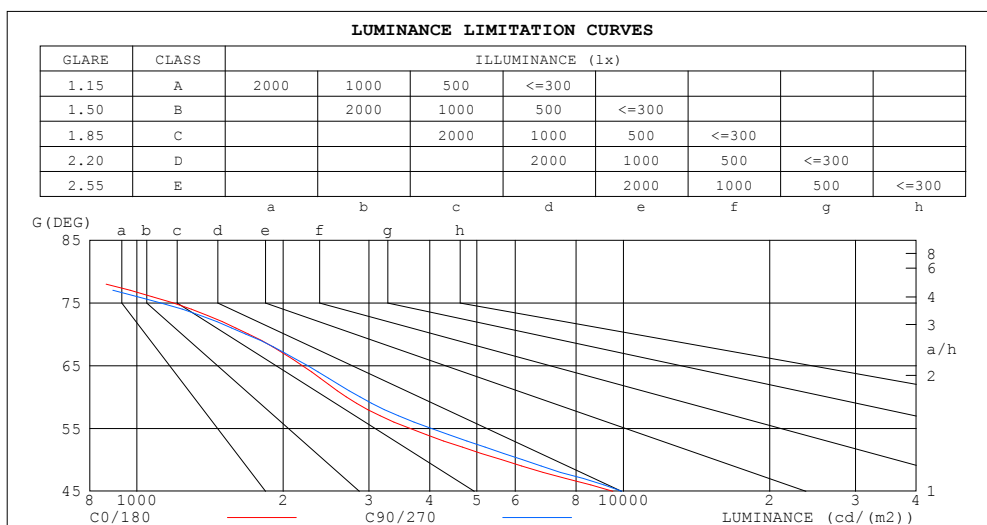
%lamp = 96.6%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:12 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:24.300V I:0.9900A P:24.050W PF:1.0000 Freq:0Hz Lamp Flux:4211.91x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-60-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	263	193
80	668	601
75	1186	1115
70	1697	1675
65	2188	2242
60	2696	2874
55	3639	4022
50	5617	6197
45	9515	9938

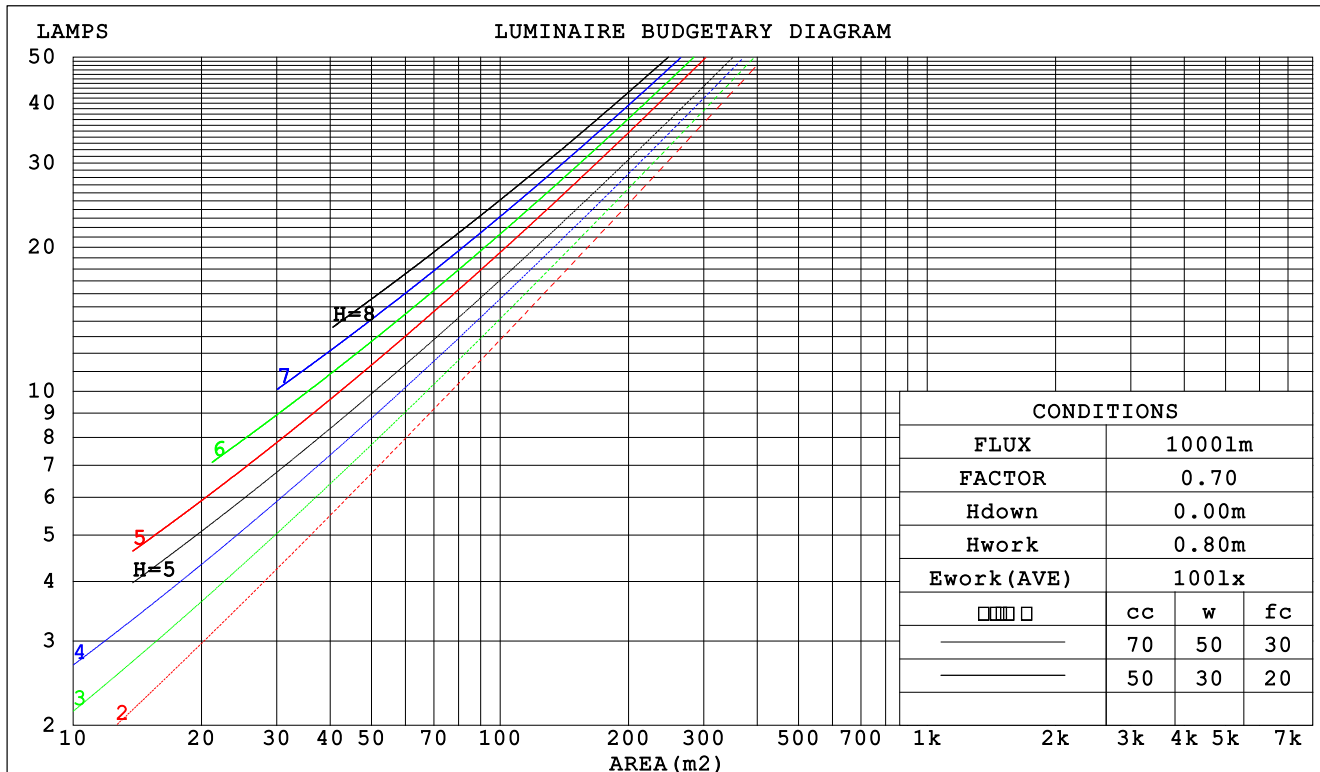
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YZY
Test Date:12 December 2022

☐ 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:24.300V I:0.9900A P:24.050W PF:1.0000 Freq:0Hz Lamp Flux:4211.91x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-60-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	1.09	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	.98	.94	.91	.95	.92	.89	.92	.89	.87	.89	.87	.85	.83
3.0	.92	.86	.82	.91	.85	.81	.88	.83	.80	.85	.82	.78	.83	.80	.77	.75
4.0	.85	.78	.74	.84	.78	.73	.81	.76	.72	.79	.75	.71	.77	.73	.70	.69
5.0	.78	.72	.67	.77	.71	.66	.75	.70	.66	.74	.69	.65	.72	.68	.65	.63
6.0	.73	.66	.61	.72	.65	.61	.70	.64	.60	.69	.64	.60	.67	.63	.59	.58
7.0	.68	.61	.56	.67	.60	.56	.65	.60	.55	.64	.59	.55	.63	.58	.55	.53
8.0	.63	.56	.52	.62	.56	.52	.61	.55	.51	.60	.55	.51	.59	.54	.51	.49
9.0	.59	.52	.48	.58	.52	.48	.57	.52	.48	.56	.51	.47	.55	.51	.47	.46
10.0	.55	.49	.45	.55	.49	.45	.54	.48	.44	.53	.48	.44	.52	.47	.44	.43



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:12 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:24.300V I:0.9900A P:24.050W PF:1.0000 Freq:0Hz Lamp Flux:4211.91x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-60-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	.203 .116 .037	.196 .112 .036	.184 .105 .034	.172 .099 .032	.161 .093 .030	
2.0	.197 .108 .033	.191 .105 .032	.180 .100 .031	.170 .095 .030	.160 .091 .029	
3.0	.188 .100 .030	.183 .098 .029	.173 .094 .029	.165 .090 .028	.156 .087 .027	
4.0	.179 .093 .027	.174 .091 .027	.166 .088 .026	.158 .085 .026	.151 .082 .025	
5.0	.170 .086 .025	.166 .085 .025	.159 .083 .024	.152 .080 .024	.145 .078 .023	
6.0	.161 .081 .023	.158 .080 .023	.151 .078 .023	.145 .075 .022	.140 .073 .022	
7.0	.153 .076 .021	.150 .075 .021	.144 .073 .021	.139 .071 .021	.134 .070 .020	
8.0	.146 .071 .020	.143 .071 .020	.138 .069 .020	.133 .067 .019	.129 .066 .019	
9.0	.139 .067 .019	.137 .067 .019	.132 .065 .018	.128 .064 .018	.123 .063 .018	
10.0	.133 .064 .018	.131 .063 .018	.126 .062 .017	.122 .061 .017	.119 .060 .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	.163 .135 .112	.139 .116 .097	.095 .081 .068	.055 .047 .040	.018 .015 .013	
3.0	.152 .117 .089	.130 .101 .077	.089 .070 .054	.052 .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 .051	.080 .055 .036	.046 .032 .022	.015 .011 .007	
6.0	.127 .082 .050	.110 .071 .043	.076 .050 .031	.044 .029 .018	.014 .010 .006	
7.0	.121 .075 .042	.104 .065 .037	.072 .045 .026	.042 .027 .016	.014 .009 .005	
8.0	.116 .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	.106 .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:12 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:24.300V I:0.9900A P:24.050W PF:1.0000 Freq:0Hz Lamp Flux:4211.91x1 lm										
NAME: Round X2 Series DC					TYPE:Floodlight			WEIGHT:N/A		
SPEC.:RND-25-24-5K-60-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	11.6	12.7	11.8	12.9	13.1	11.9	13.0	12.1	13.2	13.3
3H	11.7	12.7	11.9	12.9	13.1	11.9	12.9	12.2	13.1	13.4
4H	11.6	12.6	11.9	12.8	13.1	11.9	12.8	12.2	13.1	13.3
6H	11.6	12.5	11.9	12.7	13.0	11.8	12.7	12.1	13.0	13.2
8H	11.5	12.4	11.9	12.7	12.9	11.8	12.6	12.1	12.9	13.2
12H	11.5	12.3	11.8	12.6	12.9	11.7	12.6	12.1	12.8	13.1
4H 2H	11.5	12.5	11.8	12.7	12.9	11.8	12.7	12.1	13.0	13.2
3H	11.6	12.5	12.0	12.7	13.0	11.9	12.7	12.2	13.0	13.3
4H	11.7	12.4	12.0	12.7	13.0	11.9	12.6	12.2	12.9	13.3
6H	11.6	12.3	12.0	12.6	13.0	11.8	12.5	12.2	12.8	13.2
8H	11.6	12.2	12.0	12.5	12.9	11.8	12.4	12.2	12.8	13.1
12H	11.5	12.1	12.0	12.5	12.9	11.7	12.3	12.2	12.7	13.1
8H 4H	11.6	12.2	12.0	12.5	12.9	11.8	12.4	12.2	12.8	13.1
6H	11.5	12.0	12.0	12.4	12.9	11.8	12.2	12.2	12.6	13.1
8H	11.5	11.9	12.0	12.4	12.8	11.7	12.1	12.2	12.6	13.0
12H	11.5	11.8	11.9	12.3	12.8	11.7	12.0	12.1	12.5	13.0
12H 4H	11.5	12.1	11.9	12.5	12.9	11.7	12.3	12.2	12.7	13.1
6H	11.5	11.9	12.0	12.4	12.8	11.7	12.1	12.2	12.6	13.0
8H	11.5	11.8	11.9	12.3	12.8	11.7	12.0	12.1	12.5	13.0
Variations with the observer position at spacings:										
S = 1.0H	+ 1.8 / - 3.7					+ 1.8 / - 3.7				
1.5H	+ 2.7 / - 3.2					+ 2.8 / - 3.2				
2.0H	+ 4.0 / - 2.7					+ 4.0 / - 2.9				

 CIE Pub.117, 4212 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 5.0$)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:12 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:24.300V I:0.9900A P:24.050W PF:1.0000 Freq:0Hz Lamp Flux:4211.91x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-60-X2-CG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

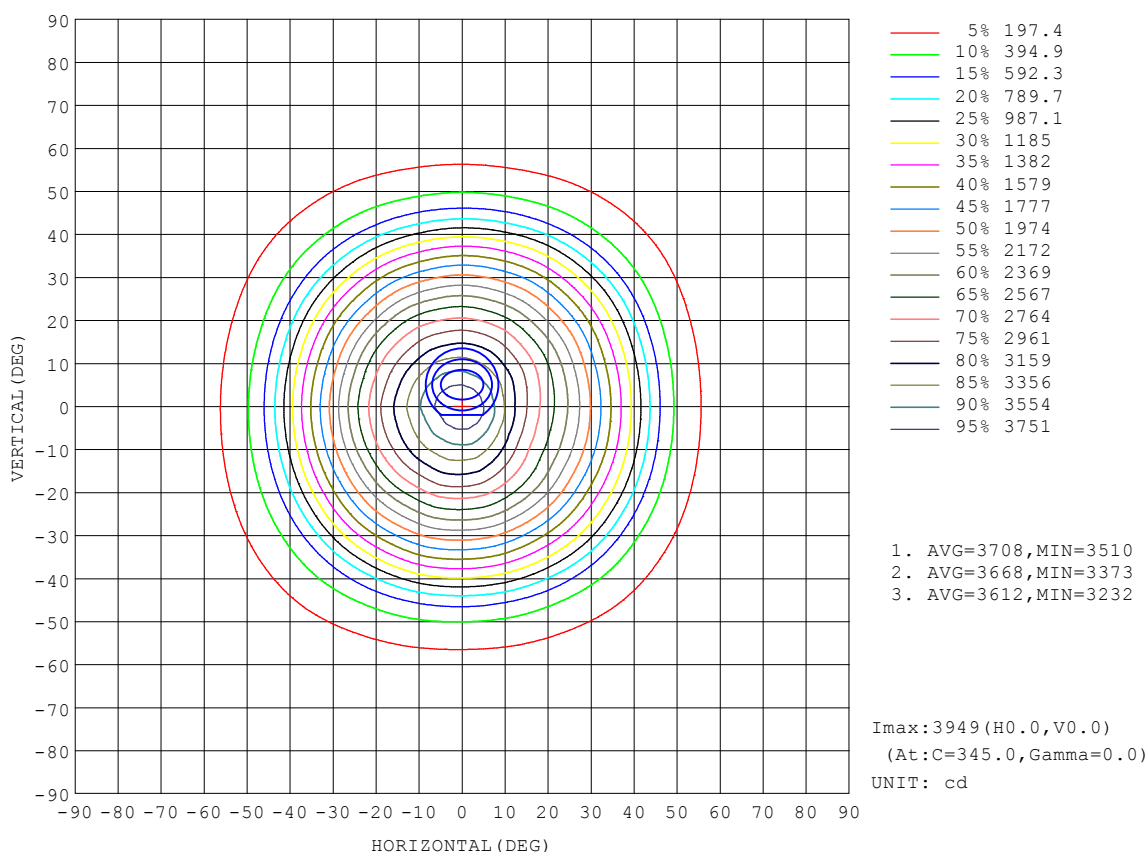
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	78	70	65	78	70	65	77	70	65	61
0.80	87	79	75	86	79	74	85	78	74	69
1.00	93	86	81	92	85	81	90	86	81	76
1.25	98	92	87	97	91	87	95	90	86	81
1.50	102	96	91	100	95	91	98	93	90	84
2.00	105	100	96	104	99	96	101	97	94	88
2.50	108	103	99	106	102	98	103	99	96	90
3.00	110	105	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	103	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:12 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:24.300V I:0.9900A P:24.050W PF:1.0000 Freq:0Hz Lamp Flux:4211.91x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-60-X2-CG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A



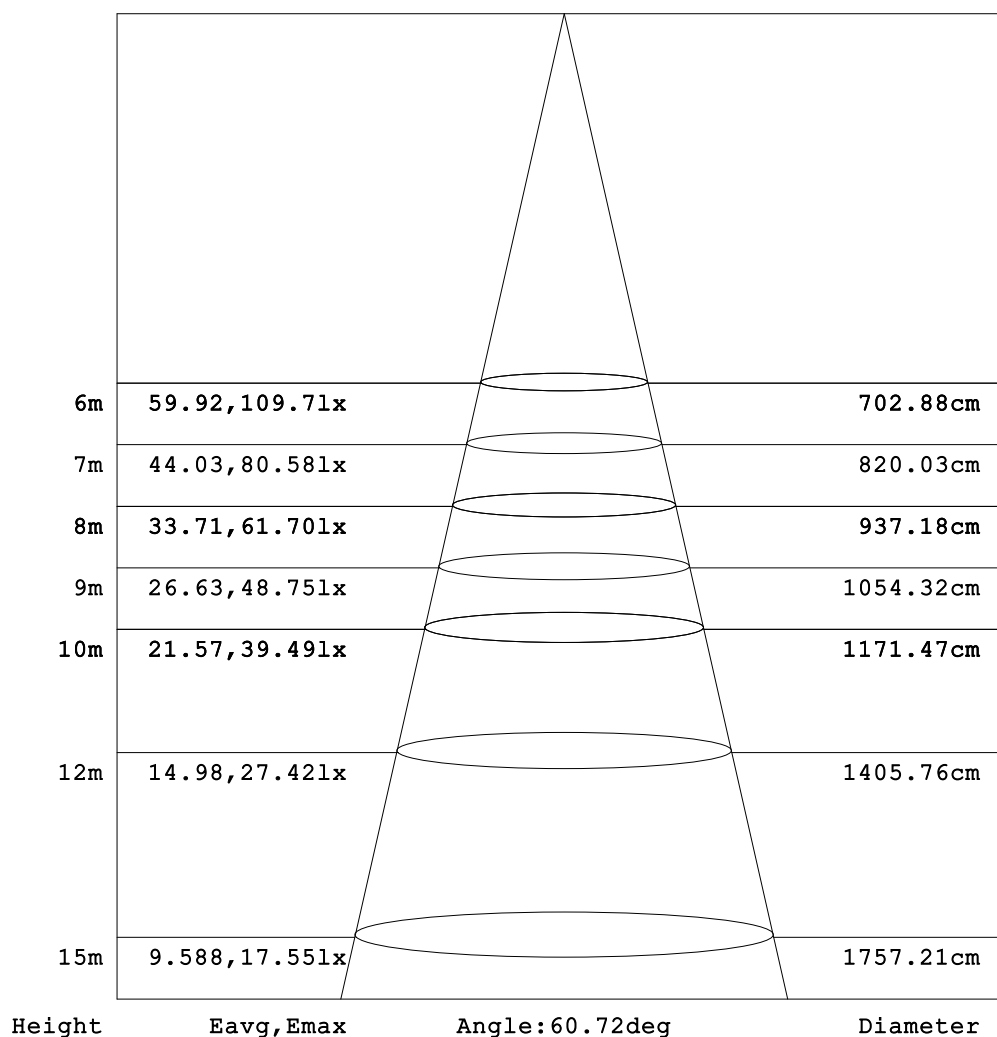
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:12 December 2022

☐ 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:24.300V I:0.9900A P:24.050W PF:1.0000 Freq:0Hz Lamp Flux:4211.91x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-60-X2-CG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

Flux out:2447 lm



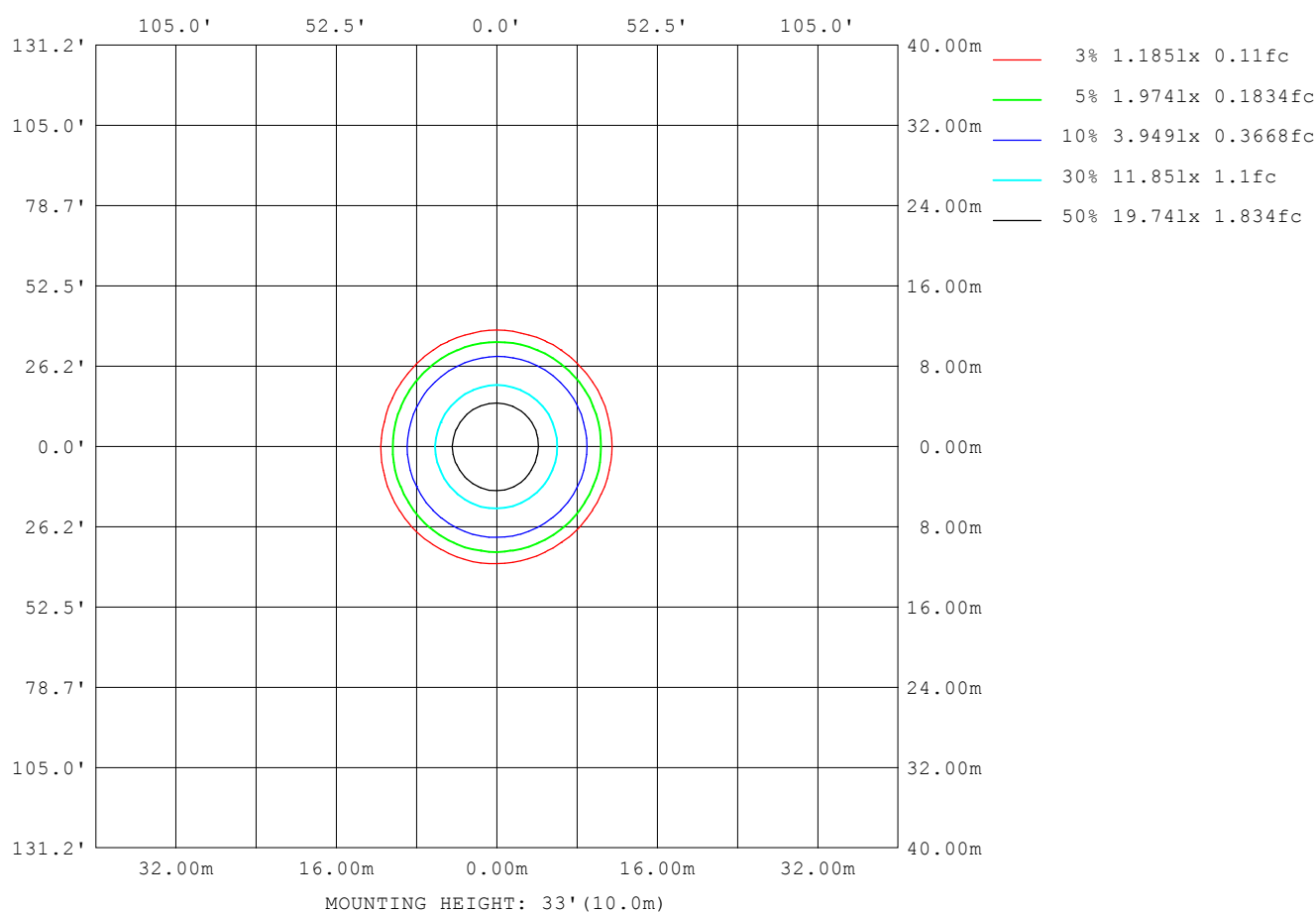
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:12 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:24.300V I:0.9900A P:24.050W PF:1.0000 Freq:0Hz Lamp Flux:4211.91x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-60-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:12 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:24.300V I:0.9900A P:24.050W PF:1.0000 Freq:0Hz Lamp Flux:4211.91x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-60-X2-CG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

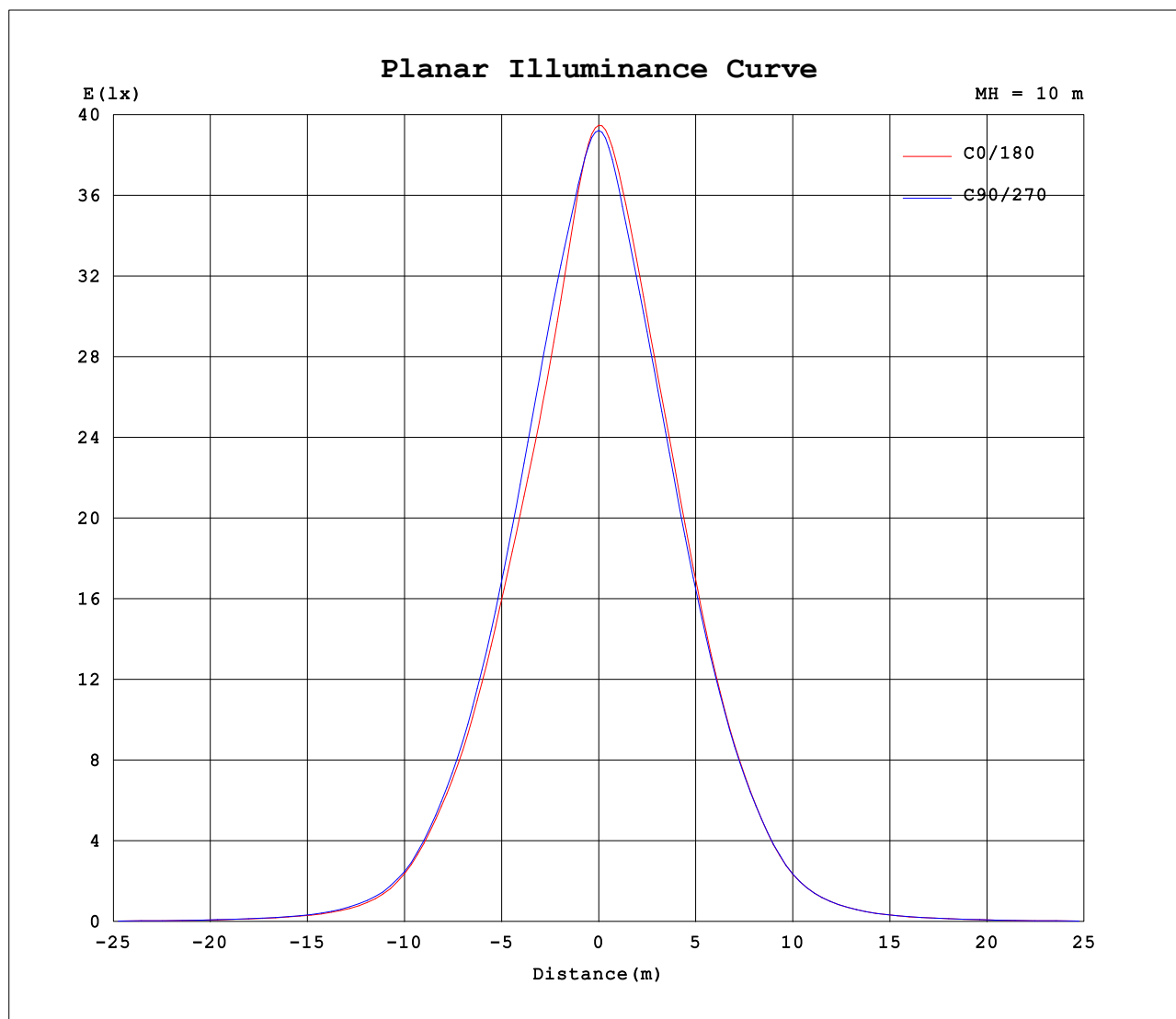
AvgL	cd/m2
L_0~180 (65) av	2166
L_0~180 (75) av	1099
L_0~180 (85) av	200
L_90~270 (65) av	2226
L_90~270 (75) av	1104
L_90~270 (85) av	191
L_45 (65) av	2199
L_45 (75) av	1099
L_45 (85) av	196

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:12 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: 12 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:24.300V I:0.9900A P:24.050W PF:1.0000 Freq:0Hz Lamp Flux:4211.91x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-60-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	3929	3929	3929	3929	3929	3929	3929	3929	3929	3929	3929	3929	3929	3929	3929	3929	3929	3929	3929
5	3735	3749	3749	3762	3762	3776	3772	3782	3775	3785	3779	3793	3803	3796	3793	3775	3773	3756	3757
10	3324	3347	3365	3411	3458	3501	3500	3506	3500	3513	3506	3509	3520	3506	3498	3475	3474	3453	3445
15	2951	2950	2978	3055	3128	3198	3216	3235	3217	3226	3218	3213	3202	3174	3167	3153	3157	3140	3144
20	2637	2625	2651	2726	2790	2853	2870	2891	2872	2883	2883	2888	2873	2843	2840	2828	2830	2806	2806
25	2328	2324	2341	2398	2440	2482	2490	2507	2486	2495	2491	2497	2490	2462	2463	2448	2453	2428	2431
30	1953	1958	1965	2004	2026	2064	2071	2093	2074	2075	2054	2051	2045	2017	2021	2005	2021	2009	2023
35	1540	1550	1548	1576	1588	1623	1630	1654	1635	1634	1602	1595	1590	1565	1567	1552	1571	1566	1586
40	1125	1132	1132	1149	1154	1175	1178	1195	1174	1165	1136	1128	1125	1104	1105	1095	1110	1110	1132
45	669	677	672	690	691	704	704	716	701	694	674	670	663	656	649	652	654	662	670
50	359	361	360	374	381	396	399	411	403	404	392	389	380	367	369	369	378	377	385
55	208	209	208	216	221	230	231	237	233	235	229	226	222	215	216	217	223	222	225
60	134	135	134	139	140	145	144	148	145	147	143	143	141	137	139	138	142	141	143
65	92.0	92.5	92.3	93.3	93.9	94.8	94.9	95.7	95.0	94.5	93.0	92.1	91.1	90.1	90.5	90.8	92.7	92.7	93.2
70	57.7	58.2	57.7	58.4	57.8	58.5	57.4	57.7	56.4	56.3	54.8	55.0	54.5	53.6	54.3	54.1	55.5	55.3	56.4
75	30.5	30.8	30.2	30.6	29.7	30.1	28.9	28.8	27.8	27.6	26.1	26.7	26.3	25.4	26.3	26.1	26.9	27.2	28.3
80	11.5	11.6	11.4	11.5	10.8	11.1	10.5	10.2	9.65	9.52	8.79	9.09	8.98	8.46	8.98	8.88	9.33	9.55	10.2
85	2.28	2.28	2.21	2.22	1.92	1.94	1.69	1.63	1.45	1.42	1.27	1.30	1.20	1.15	1.22	1.23	1.39	1.42	1.64
90	0.21	0.19	0.21	0.19	0.18	0.18	0.19	0.16	0.19	0.17	0.18	0.16	0.14	0.13	0.13	0.15	0.13	0.15	0.14
95	0.16	0.16	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.16	0.14	0.16	0.14	0.16	0.15	0.16
100	0.20	0.21	0.20	0.21	0.20	0.21	0.21	0.22	0.21	0.22	0.21	0.22	0.21	0.19	0.20	0.20	0.21	0.20	0.21
105	0.29	0.30	0.29	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.30	0.28	0.30	0.29	0.31	0.30	0.31
110	0.46	0.46	0.45	0.46	0.46	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.45	0.43	0.45	0.45	0.46	0.46	0.47
115	0.73	0.72	0.71	0.72	0.73	0.73	0.75	0.74	0.75	0.75	0.75	0.74	0.71	0.70	0.71	0.72	0.73	0.74	0.75
120	1.16	1.13	1.14	1.13	1.15	1.15	1.18	1.17	1.19	1.18	1.18	1.17	1.12	1.12	1.12	1.15	1.15	1.18	1.18
125	1.75	1.72	1.72	1.71	1.74	1.75	1.79	1.77	1.80	1.78	1.79	1.76	1.69	1.70	1.70	1.74	1.74	1.79	1.78
130	2.52	2.47	2.48	2.47	2.51	2.51	2.56	2.54	2.57	2.53	2.55	2.50	2.42	2.44	2.44	2.49	2.50	2.56	2.55
135	3.43	3.37	3.38	3.37	3.43	3.41	3.47	3.44	3.47	3.42	3.43	3.38	3.27	3.29	3.30	3.36	3.39	3.47	3.46
140	4.44	4.37	4.39	4.37	4.44	4.43	4.49	4.44	4.47	4.40	4.40	4.33	4.20	4.24	4.24	4.33	4.38	4.47	4.46
145	5.48	5.43	5.45	5.44	5.52	5.51	5.55	5.50	5.53	5.43	5.40	5.32	5.18	5.22	5.24	5.35	5.42	5.53	5.53
150	6.51	6.48	6.51	6.51	6.58	6.56	6.59	6.54	6.54	6.43	6.39	6.31	6.18	6.22	6.24	6.36	6.43	6.55	6.56
155	7.51	7.50	7.53	7.53	7.57	7.55	7.56	7.52	7.49	7.40	7.35	7.29	7.19	7.21	7.24	7.34	7.40	7.50	7.52
160	8.47	8.49	8.50	8.49	8.50	8.48	8.48	8.45	8.41	8.34	8.31	8.27	8.22	8.21	8.24	8.30	8.35	8.43	8.45
165	9.35	9.37	9.36	9.35	9.34	9.32	9.31	9.28	9.25	9.20	9.19	9.19	9.19	9.14	9.16	9.20	9.24	9.30	9.31
170	10.1	10.1	10.1	10.1	10.0	10.0	10.01	9.99	9.97	9.96	9.96	9.98	10.0	9.96	9.97	9.98	10.0	10.0	10.1
175	10.7	10.7	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.5	10.5	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
180	11.0	11.0	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.8	10.9	11.0	10.9	10.9	10.9	10.9	10.9	10.9

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YZY
Test Date:12 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:24.300V I:0.9900A P:24.050W PF:1.0000 Freq:0Hz Lamp Flux:4211.91x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-60-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	3929	3929	3929	3929	3929														
5	3740	3745	3738	3747	3740														
10	3421	3411	3393	3387	3349														
15	3133	3120	3080	3055	3005														
20	2790	2783	2746	2728	2685														
25	2413	2413	2389	2385	2357														
30	2011	2016	1994	1992	1966														
35	1582	1592	1573	1572	1546														
40	1131	1147	1136	1139	1125														
45	677	679	675	683	673														
50	379	382	373	373	363														
55	220	222	217	216	209														
60	139	141	138	139	135														
65	93.0	93.0	93.2	93.5	92.2														
70	56.1	57.4	57.3	58.5	57.6														
75	27.9	29.3	29.5	30.5	30.1														
80	10.0	10.8	10.9	11.3	11.3														
85	1.59	1.90	1.98	2.10	2.16														
90	0.15	0.14	0.16	0.14	0.17														
95	0.15	0.16	0.15	0.16	0.15														
100	0.21	0.21	0.20	0.21	0.20														
105	0.30	0.31	0.30	0.30	0.29														
110	0.47	0.47	0.46	0.46	0.45														
115	0.75	0.74	0.74	0.72	0.71														
120	1.19	1.17	1.16	1.12	1.12														
125	1.81	1.76	1.76	1.70	1.70														
130	2.58	2.53	2.52	2.45	2.44														
135	3.50	3.43	3.42	3.34	3.33														
140	4.51	4.43	4.42	4.32	4.32														
145	5.58	5.51	5.48	5.36	5.34														
150	6.61	6.56	6.51	6.40	6.37														
155	7.57	7.53	7.50	7.40	7.36														
160	8.49	8.45	8.44	8.37	8.34														
165	9.32	9.30	9.29	9.25	9.24														
170	10.0	10.0	10.0	10.01	10.01														
175	10.6	10.6	10.6	10.6	10.6														
180	10.9	10.9	10.8	10.8	10.9														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:12 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: