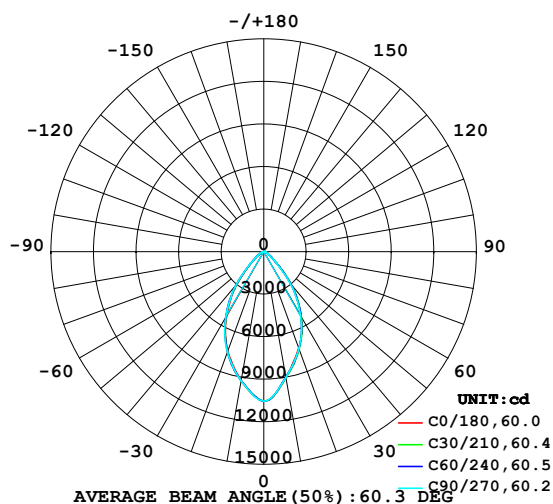


**LUMINAIRE PHOTOMETRIC TEST REPORT**

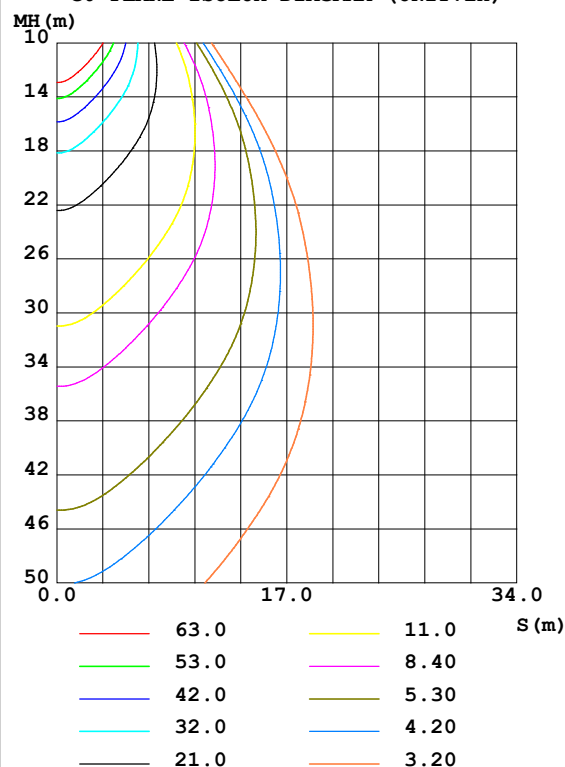
Test:U:220.24V I:0.2984A P:64.550W PF:0.9821 Freq:49.99Hz Lamp Flux:10958.1x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-100-240-5K-60-X2-CG-*-EM	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 169.76 lm/W			
MODEL	N/A	I <sub>max</sub> (cd)	10536	S/MH(C0/180)	0.86
NOMINAL POWER(W)	65	LOR(%)	100.0	S/MH(C90/270)	0.87
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	10958	□ UP,DN(C0-180)	0.2,49.5
NOMINAL FLUX(lm)	10958.1	CIE CLASS	DIRECT	□ UP,DN(C180-360)	0.2,50.2
LAMPS INSIDE	1	□ up(%)	0.4	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	220	□ down(%)	99.6	CIBSE SHR MAX	0.95

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:10 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	902.3	903.7	900.5	906.5	923.1	921.4	924.1	905.7	0- 10	926.4	926.4	8.45,8.45
20	724.3	733.1	727.1	720.4	745.3	749.6	751.7	719.8	10- 20	2304	3231	29.5,29.5
30	526.4	532.1	520.5	511.8	526.0	534.5	537.1	524.2	20- 30	2905	6136	56,56
40	297.8	304.5	289.5	279.7	286.3	293.9	299.4	295.8	30- 40	2550	8686	79.3,79.3
50	98.18	101.3	94.55	88.53	94.24	98.99	99.93	95.47	40- 50	1375	10061	91.8,91.8
60	36.72	36.84	35.09	33.73	34.89	35.75	36.57	35.69	50- 60	529.0	10590	96.6,96.6
70	14.98	15.16	14.10	13.50	13.43	13.49	14.32	14.57	60- 70	236.6	10827	98.8,98.8
80	3.146	3.251	2.867	2.543	2.462	2.403	2.710	2.964	70- 80	81.19	10908	99.5,99.5
90	0.0540	0.0534	0.0492	0.0432	0.0369	0.0377	0.0351	0.0394	80- 90	8.977	10917	99.6,99.6
100	0.0537	0.0529	0.0548	0.0546	0.0561	0.0542	0.0518	0.0497	90-100	0.4640	10917	99.6,99.6
110	0.1172	0.1178	0.1226	0.1196	0.1204	0.1212	0.1131	0.1084	100-110	0.8417	10918	99.6,99.6
120	0.2916	0.2988	0.3090	0.3044	0.2990	0.3027	0.2870	0.2730	110-120	1.903	10920	99.7,99.7
130	0.6422	0.6532	0.6733	0.6601	0.6442	0.6541	0.6283	0.6061	120-130	4.054	10924	99.7,99.7
140	1.135	1.156	1.183	1.156	1.125	1.138	1.117	1.085	130-140	6.776	10931	99.8,99.8
150	1.675	1.717	1.743	1.706	1.648	1.670	1.660	1.634	140-150	8.785	10940	99.8,99.8
160	2.191	2.233	2.248	2.221	2.177	2.174	2.176	2.162	150-160	8.915	10949	99.9,99.9
170	2.628	2.639	2.647	2.631	2.640	2.613	2.614	2.612	160-170	6.803	10955	100,100
180	2.867	2.852	2.848	2.845	2.870	2.850	2.848	2.844	170-180	2.601	10958	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 9537.5 lm

%lum = 87.0%

%lamp = 87.0%

Conical surface Flux(120deg): 10590 lm

%lum = 96.6%

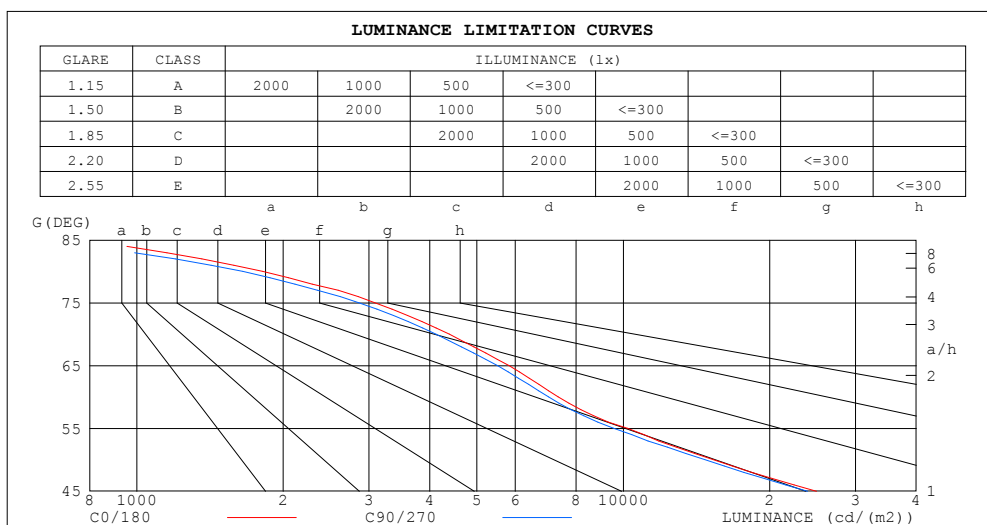
%lamp = 96.6%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:10 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:220.24V I:0.2984A P:64.550W PF:0.9821 Freq:49.99Hz Lamp Flux:10958.1x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-100-240-5K-60-X2-CG-*-EM	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	760	597
80	1813	1651
75	3084	2857
70	4386	4120
65	5821	5505
60	7352	7016
55	10189	9555
50	15290	14705
45	24950	23919

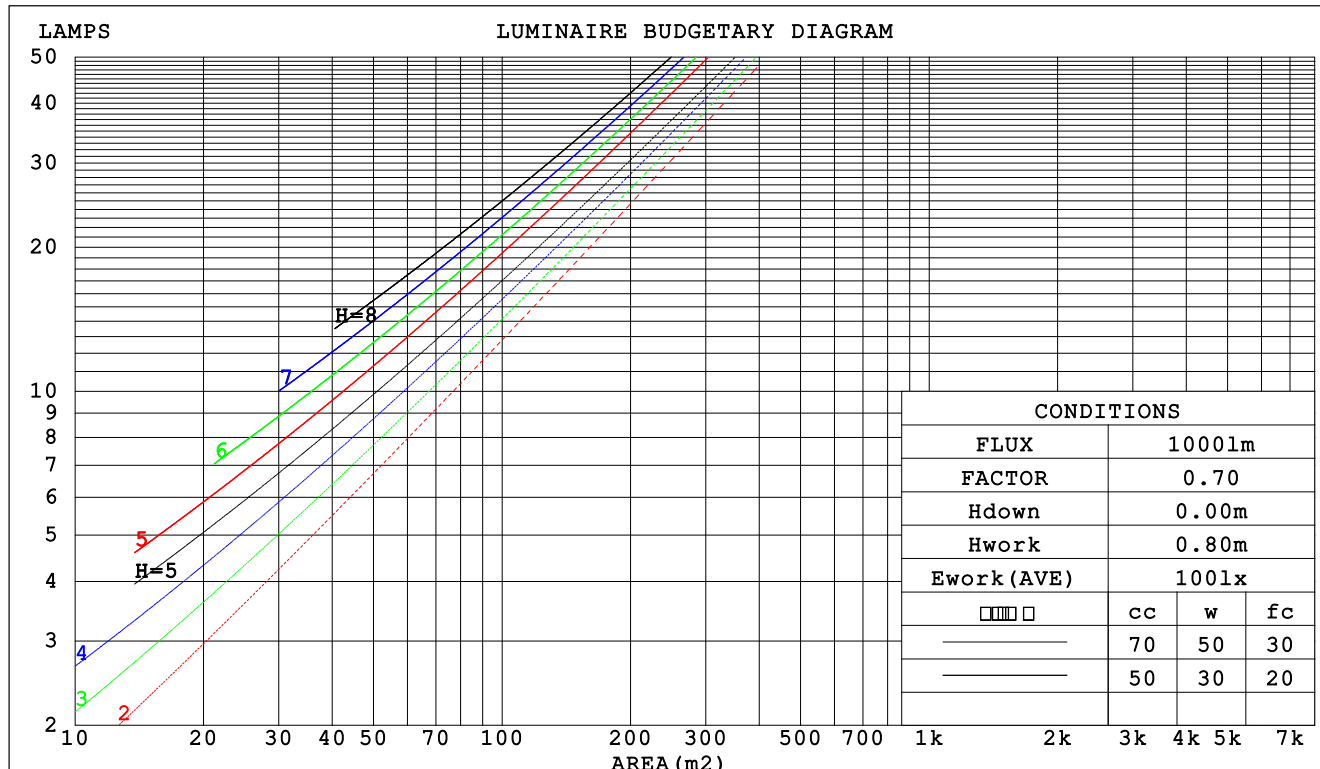
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YZY  
Test Date:10 December 2022

☐ 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:220.24V I:0.2984A P:64.550W PF:0.9821 Freq:49.99Hz Lamp Flux:10958.1x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-100-240-5K-60-X2-CG--EM	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															



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YZY  
Test Date:10 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:220.24V I:0.2984A P:64.550W PF:0.9821 Freq:49.99Hz Lamp Flux:10958.1x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-100-240-5K-60-X2-CG--EM	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 .115 .036	.196 .112 .035	.183 .105 .033	.171 .099 .032	.160 .093 .030	
2.0	.196 .107 .033	.190 .105 .032	.179 .100 .031	.169 .095 .030	.160 .090 .028	
3.0	.187 .100 .030	.182 .098 .029	.173 .094 .028	.164 .090 .028	.156 .086 .027	
4.0	.178 .092 .027	.174 .091 .027	.165 .088 .026	.157 .085 .026	.150 .082 .025	
5.0	.169 .086 .025	.165 .085 .025	.158 .082 .024	.151 .080 .024	.145 .077 .023	
6.0	.161 .080 .023	.157 .079 .023	.151 .077 .022	.145 .075 .022	.139 .073 .022	
7.0	.153 .075 .021	.150 .075 .021	.144 .073 .021	.138 .071 .021	.133 .069 .020	
8.0	.145 .071 .020	.143 .070 .020	.137 .069 .020	.133 .067 .019	.128 .066 .019	
9.0	.139 .067 .019	.136 .066 .019	.131 .065 .018	.127 .064 .018	.123 .062 .018	
10.0	.132 .063 .018	.130 .063 .018	.126 .062 .017	.122 .060 .017	.118 .059 .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	.162 .135 .112	.139 .116 .097	.095 .081 .068	.055 .047 .040	.018 .015 .013	
3.0	.151 .117 .089	.130 .101 .077	.089 .070 .054	.051 .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 .052	.079 .055 .036	.046 .032 .022	.015 .011 .007	
6.0	.127 .082 .050	.109 .071 .043	.075 .050 .031	.044 .029 .018	.014 .010 .006	
7.0	.121 .075 .042	.104 .065 .037	.072 .045 .026	.042 .027 .016	.013 .009 .005	
8.0	.115 .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	.105 .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:10 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:220.24V I:0.2984A P:64.550W PF:0.9821 Freq:49.99Hz Lamp Flux:10958.1x1 lm										
NAME: Round X2 Series AC-EM					TYPE:Floodlight			WEIGHT:N/A		
SPEC.:RND-65-100-240-5K-60-X2-CG-*--EM					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	11.8	12.9	12.1	13.1	13.3	11.7	12.8	12.0	13.0	13.2
3H	11.9	12.9	12.2	13.1	13.3	11.8	12.8	12.0	13.0	13.2
4H	11.9	12.8	12.2	13.1	13.3	11.7	12.7	12.0	12.9	13.2
6H	11.8	12.7	12.1	13.0	13.2	11.7	12.6	12.0	12.8	13.1
8H	11.8	12.6	12.1	12.9	13.2	11.6	12.5	11.9	12.7	13.0
12H	11.7	12.5	12.1	12.8	13.1	11.6	12.4	11.9	12.7	13.0
4H 2H	11.7	12.7	12.0	12.9	13.2	11.6	12.6	11.9	12.8	13.1
3H	11.9	12.7	12.2	13.0	13.3	11.7	12.6	12.1	12.8	13.1
4H	11.9	12.6	12.2	12.9	13.2	11.7	12.5	12.1	12.8	13.1
6H	11.8	12.5	12.2	12.8	13.2	11.7	12.3	12.1	12.7	13.0
8H	11.8	12.4	12.2	12.8	13.1	11.7	12.3	12.1	12.6	13.0
12H	11.7	12.3	12.2	12.7	13.1	11.6	12.2	12.0	12.5	12.9
8H 4H	11.8	12.4	12.2	12.7	13.1	11.7	12.3	12.1	12.6	13.0
6H	11.8	12.2	12.2	12.6	13.1	11.6	12.1	12.1	12.5	12.9
8H	11.7	12.1	12.2	12.6	13.0	11.6	12.0	12.0	12.4	12.9
12H	11.7	12.0	12.1	12.5	13.0	11.5	11.9	12.0	12.4	12.8
12H 4H	11.7	12.3	12.2	12.7	13.1	11.6	12.2	12.0	12.5	12.9
6H	11.7	12.1	12.2	12.6	13.0	11.6	12.0	12.0	12.4	12.9
8H	11.7	12.0	12.2	12.5	13.0	11.5	11.9	12.0	12.4	12.8
Variations with the observer position at spacings:										
S = 1.0H	+ 1.8 / - 3.7					+ 1.9 / - 3.8				
1.5H	+ 2.6 / - 3.0					+ 2.7 / - 3.1				
2.0H	+ 3.7 / - 2.7					+ 3.7 / - 2.7				

 CIE Pub.117, 10958 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 8.3$ )

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:10 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:220.24V I:0.2984A P:64.550W PF:0.9821 Freq:49.99Hz Lamp Flux:10958.1x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-100-240-5K-60-X2-CG-*-EM	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

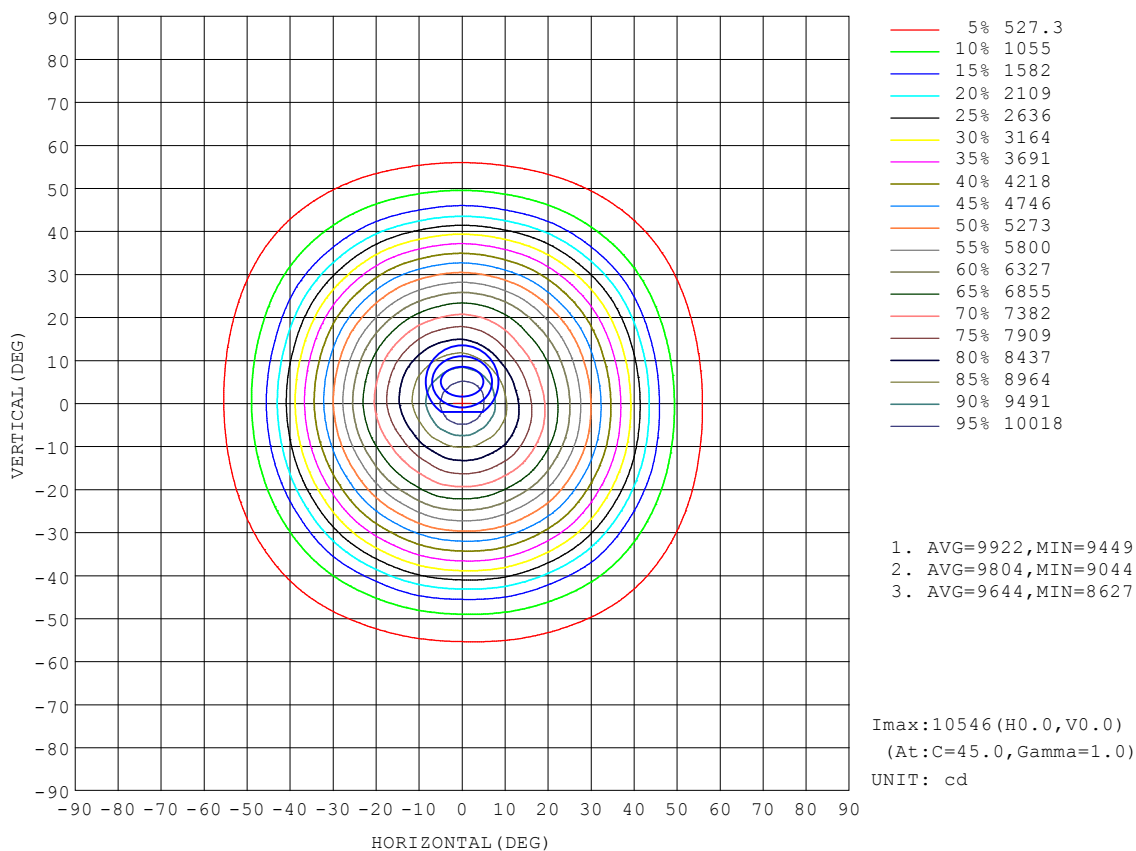
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	78	71	66	78	70	66	77	70	66	61
0.80	87	80	75	86	79	75	85	79	74	70
1.00	93	86	82	92	86	81	90	86	81	76
1.25	98	92	87	97	91	87	95	90	86	81
1.50	102	96	92	100	95	91	98	93	90	85
2.00	106	100	97	104	99	96	101	97	94	88
2.50	108	103	99	106	102	98	103	99	97	90
3.00	110	106	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: 10 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:220.24V I:0.2984A P:64.550W PF:0.9821 Freq:49.99Hz Lamp Flux:10958.1x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-100-240-5K-60-X2-CG-*-EM	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:10 December 2022

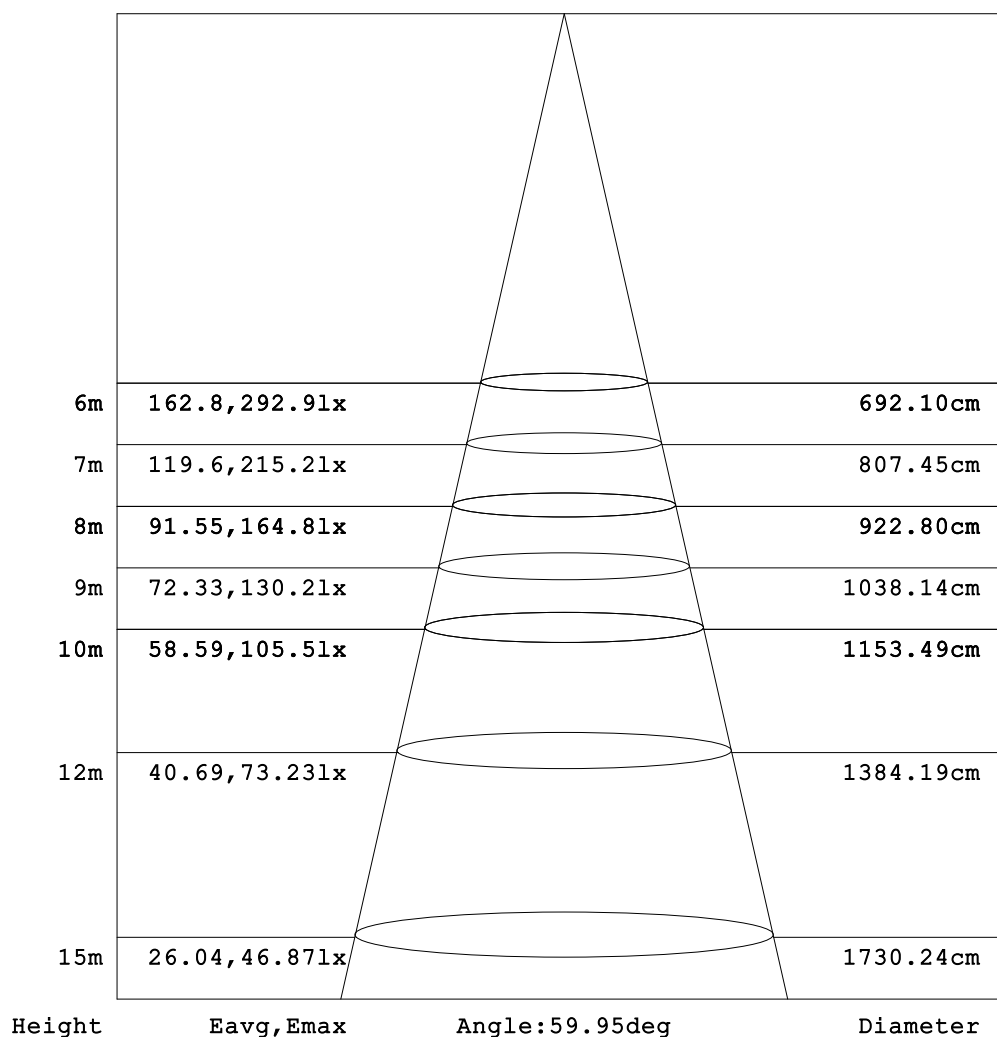
☐ Range: 0 - 180DEG  
☐ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:6.010m [K=1.0000]  
 Remarks:



### AAI Figure

Test:U:220.24V I:0.2984A P:64.550W PF:0.9821 Freq:49.99Hz Lamp Flux:10958.1x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-100-240-5K-60-X2-CG-*-EM	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

Flux out:6136 lm



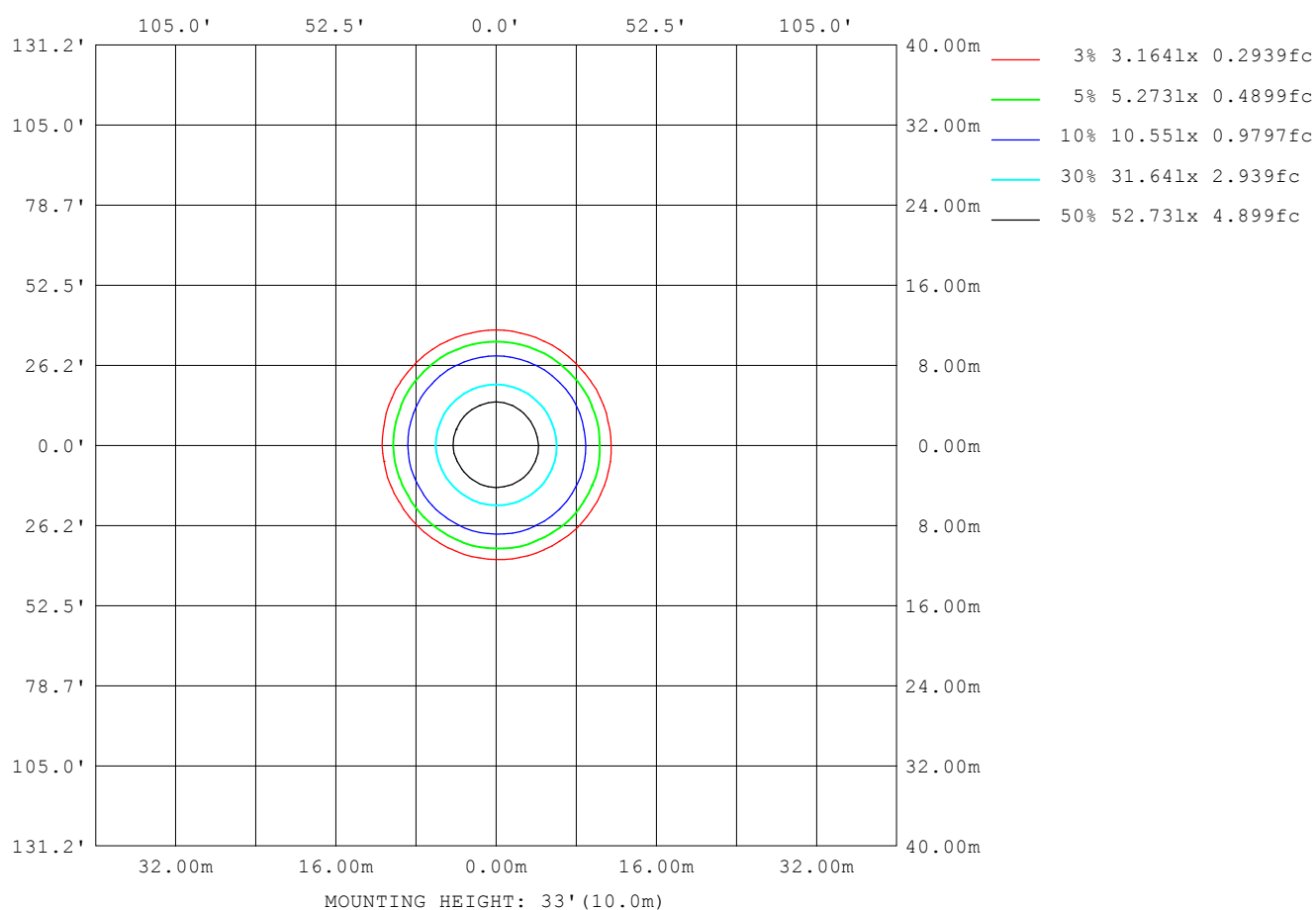
**Note:**The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:10 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:220.24V I:0.2984A P:64.550W PF:0.9821 Freq:49.99Hz Lamp Flux:10958.1x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-100-240-5K-60-X2-CG-*-EM	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:10 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:220.24V I:0.2984A P:64.550W PF:0.9821 Freq:49.99Hz Lamp Flux:10958.1x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-100-240-5K-60-X2-CG-*-EM	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

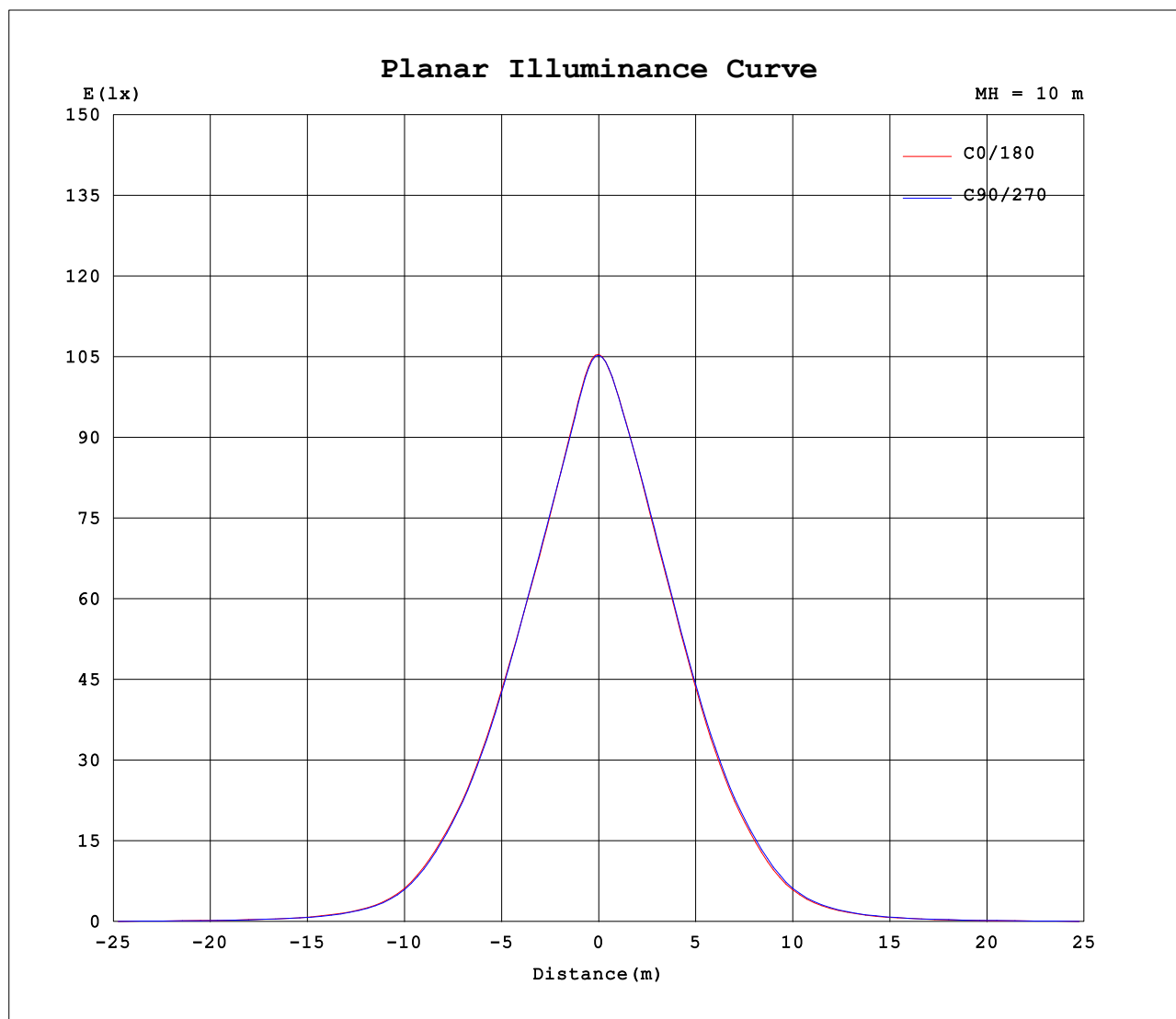
AvgL	cd/m2
L_0~180 (65) av	5577
L_0~180 (75) av	2837
L_0~180 (85) av	591
L_90~270 (65) av	5586
L_90~270 (75) av	2828
L_90~270 (85) av	555
L_45 (65) av	5562
L_45 (75) av	2834
L_45 (85) av	569

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:10 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: 10 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:220.24V I:0.2984A P:64.550W PF:0.9821 Freq:49.99Hz Lamp Flux:10958.1x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-100-240-5K-60-X2-CG-*--EM	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

Table--1

UNIT: ×10cd

C (DEG) □ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1053	1053	1053	1053	1053	1053	1053	1053	1053	1053	1053	1053	1053	1053	1053	1053	1053	1053	1053
5	1002	1004	1001	1002	999	1002	999	1002	1000	1003	1001	1002	1003	1001	1001	999	1002	1002	1005
10	902	907	903	904	899	903	901	902	901	907	908	915	923	924	925	921	923	923	924
15	809	818	821	823	817	817	815	814	807	809	812	824	836	840	844	844	845	843	842
20	724	731	731	733	728	729	727	728	721	720	724	735	745	746	750	750	751	749	752
25	633	638	635	636	631	632	629	630	623	624	625	634	643	642	646	645	647	646	651
30	526	531	530	532	527	527	521	519	511	512	511	517	526	527	534	534	537	535	537
35	412	418	417	421	416	414	407	404	397	397	395	400	407	409	416	417	421	417	419
40	298	303	301	305	299	298	289	287	279	280	276	280	286	286	293	294	299	296	299
45	176	180	179	181	176	176	169	170	160	163	157	164	168	165	173	171	175	173	176
50	98.2	101	100	101	99.0	98.1	94.5	92.9	89.3	88.5	88.0	90.7	94.2	95.6	98.4	99.0	100	99.3	99.9
55	58.4	58.9	59.2	58.7	58.2	57.0	54.8	54.0	52.1	52.0	51.5	53.1	55.0	56.5	57.0	58.0	58.0	58.6	58.2
60	36.7	37.3	36.8	36.8	36.2	36.2	35.1	34.7	33.7	33.7	33.4	34.1	34.9	35.1	35.7	35.8	36.3	36.2	36.6
65	24.6	25.0	24.6	24.7	24.1	24.0	23.3	23.1	22.4	22.4	22.0	22.2	22.6	22.5	22.9	23.0	23.5	23.5	23.9
70	15.0	15.3	15.0	15.2	14.7	14.7	14.1	14.0	13.5	13.5	13.1	13.3	13.4	13.2	13.6	13.5	13.9	13.9	14.3
75	7.97	8.12	8.02	8.01	7.81	7.70	7.40	7.20	7.01	6.81	6.71	6.66	6.71	6.73	6.73	6.82	6.90	7.09	7.24
80	3.15	3.26	3.20	3.25	3.10	3.06	2.87	2.78	2.57	2.54	2.42	2.47	2.46	2.37	2.45	2.40	2.53	2.53	2.71
85	0.66	0.69	0.66	0.66	0.59	0.60	0.52	0.50	0.45	0.43	0.39	0.39	0.37	0.33	0.35	0.34	0.38	0.39	0.45
90	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.04
95	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
100	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.05	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05
105	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07
110	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.11
115	0.18	0.18	0.19	0.19	0.19	0.19	0.20	0.19	0.20	0.19	0.20	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.18
120	0.29	0.29	0.30	0.30	0.31	0.30	0.31	0.31	0.31	0.30	0.31	0.31	0.30	0.30	0.30	0.30	0.30	0.30	0.29
125	0.44	0.44	0.45	0.45	0.46	0.46	0.47	0.46	0.47	0.46	0.47	0.46	0.45	0.46	0.45	0.46	0.45	0.45	0.44
130	0.64	0.64	0.65	0.65	0.67	0.66	0.67	0.67	0.67	0.66	0.67	0.66	0.64	0.65	0.65	0.65	0.64	0.65	0.63
135	0.88	0.88	0.89	0.89	0.91	0.91	0.91	0.91	0.91	0.90	0.90	0.89	0.87	0.88	0.88	0.88	0.88	0.88	0.86
140	1.13	1.14	1.15	1.16	1.17	1.18	1.18	1.17	1.17	1.16	1.16	1.15	1.12	1.13	1.13	1.14	1.13	1.13	1.12
145	1.40	1.41	1.43	1.44	1.46	1.46	1.47	1.46	1.46	1.43	1.43	1.41	1.39	1.39	1.39	1.41	1.41	1.41	1.39
150	1.68	1.68	1.70	1.72	1.74	1.74	1.74	1.73	1.73	1.71	1.70	1.68	1.65	1.65	1.65	1.67	1.67	1.68	1.66
155	1.94	1.95	1.97	1.98	2.00	2.00	2.00	2.00	1.99	1.97	1.96	1.94	1.91	1.91	1.91	1.92	1.93	1.94	1.92
160	2.19	2.21	2.22	2.23	2.24	2.24	2.25	2.24	2.24	2.22	2.21	2.20	2.18	2.17	2.16	2.17	2.18	2.19	2.18
165	2.43	2.44	2.45	2.45	2.46	2.46	2.47	2.46	2.46	2.45	2.44	2.43	2.43	2.41	2.40	2.41	2.41	2.42	2.41
170	2.63	2.63	2.64	2.64	2.64	2.64	2.65	2.64	2.64	2.63	2.63	2.63	2.64	2.63	2.61	2.61	2.61	2.62	2.61
175	2.78	2.78	2.79	2.78	2.78	2.78	2.78	2.78	2.78	2.77	2.77	2.78	2.80	2.79	2.77	2.77	2.77	2.77	2.77
180	2.87	2.87	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.84	2.85	2.86	2.87	2.87	2.85	2.85	2.85	2.85	2.85

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YZY  
Test Date:10 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:220.24V I:0.2984A P:64.550W PF:0.9821 Freq:49.99Hz Lamp Flux:10958.1x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-100-240-5K-60-X2-CG-*-EM	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

Table--2

UNIT: ×10cd

C (DEG) □ (DEG)	285	300	315	330	345														
0	1053	1053	1053	1053	1053														
5	1005	1009	1007	1009	1005														
10	917	914	906	904	900														
15	833	820	806	803	803														
20	745	734	720	717	718														
25	647	641	631	631	630														
30	532	531	524	525	523														
35	414	414	410	411	409														
40	296	299	296	299	296														
45	174	177	174	177	175														
50	98.1	97.5	95.5	96.4	96.4														
55	57.9	56.7	56.5	56.2	57.2														
60	36.1	36.2	35.7	36.1	36.1														
65	23.8	24.1	24.0	24.3	24.2														
70	14.3	14.7	14.6	15.0	14.9														
75	7.37	7.61	7.69	7.88	7.86														
80	2.76	2.95	2.96	3.13	3.08														
85	0.46	0.53	0.55	0.60	0.61														
90	0.04	0.04	0.04	0.04	0.04														
95	0.04	0.04	0.04	0.04	0.04														
100	0.05	0.05	0.05	0.05	0.05														
105	0.07	0.07	0.07	0.07	0.07														
110	0.11	0.11	0.11	0.11	0.11														
115	0.18	0.17	0.17	0.17	0.17														
120	0.28	0.27	0.27	0.27	0.27														
125	0.43	0.42	0.42	0.41	0.42														
130	0.62	0.61	0.61	0.60	0.61														
135	0.85	0.84	0.83	0.82	0.83														
140	1.11	1.09	1.09	1.08	1.08														
145	1.38	1.37	1.36	1.35	1.35														
150	1.66	1.64	1.63	1.62	1.62														
155	1.92	1.90	1.90	1.89	1.89														
160	2.17	2.16	2.16	2.15	2.15														
165	2.41	2.40	2.40	2.40	2.40														
170	2.61	2.61	2.61	2.61	2.61														
175	2.77	2.76	2.77	2.77	2.77														
180	2.85	2.85	2.84	2.85	2.86														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:10 December 2022

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