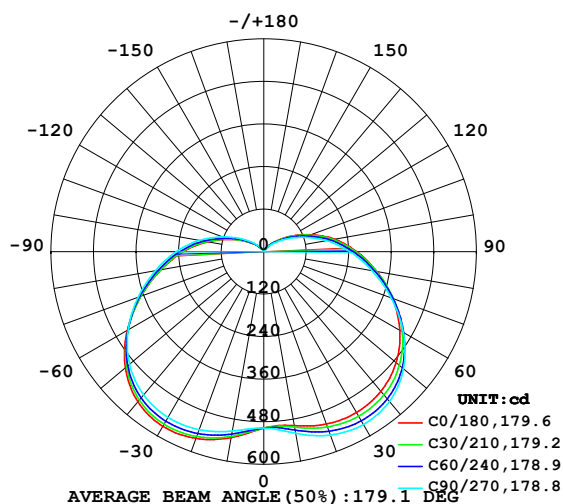


**LUMINAIRE PHOTOMETRIC TEST REPORT**

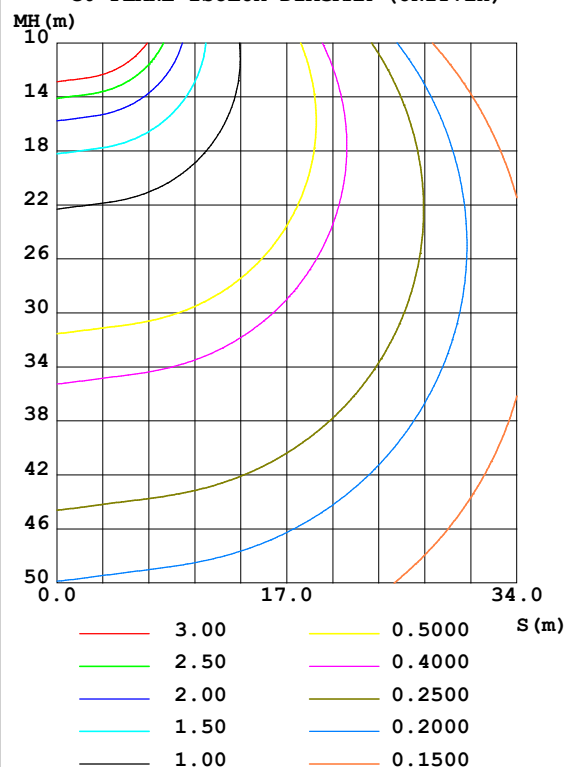
Test:U:220.12V I:0.1165A P:25.077W PF:0.9779 Freq:49.99Hz Lamp Flux:3268.49x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-180-X2-DLG-*-EM	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.34 lm/W			
MODEL	N/A	I <sub>max</sub> (cd)	570.2	S/MH (C0/180)	1.68
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH (C90/270)	1.62
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	3268.5	□ UP, DN (C0-180)	8.8, 41.6
NOMINAL FLUX(lm)	3268.49	CIE CLASS	SEMI-D.	□ UP, DN (C180-360)	8.7, 40.9
LAMPS INSIDE	1	□ up (%)	17.5	CIBSE SHR NOM	1.75
TEST VOLTAGE(V)	220	□ down (%)	82.5	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	498.3	506.0	520.4	530.2	532.4	526.2	513.8	501.8	0- 10	48.45	48.45	1.48,1.48
20	517.4	531.7	550.4	559.9	560.6	550.7	534.1	519.0	10- 20	150.4	198.9	6.08,6.08
30	523.9	543.3	562.8	569.9	568.9	557.4	539.9	523.3	20- 30	252.9	451.7	13.8,13.8
40	514.1	535.4	551.6	554.8	552.7	542.1	527.6	511.9	30- 40	341.7	793.5	24.3,24.3
50	487.3	505.7	514.4	512.7	509.8	502.5	494.3	483.7	40- 50	402.8	1196	36.6,36.6
60	443.0	454.5	454.4	448.2	444.6	441.6	441.6	438.9	50- 60	425.5	1622	49.6,49.6
70	386.4	390.3	382.6	372.6	368.7	369.6	377.3	382.0	60- 70	409.3	2031	62.1,62.1
80	324.0	322.0	309.9	298.0	294.3	297.7	310.5	320.5	70- 80	363.6	2395	73.3,73.3
90	262.8	257.0	243.1	230.7	227.1	231.7	247.3	259.9	80- 90	302.1	2697	82.5,82.5
100	203.9	196.6	181.1	165.9	160.8	166.8	185.9	201.2	90-100	233.6	2930	89.7,89.7
110	140.5	133.2	119.4	106.6	102.3	107.5	122.0	136.7	100-110	160.1	3090	94.6,94.6
120	87.63	82.33	71.91	62.30	58.90	62.04	72.94	84.17	110-120	95.45	3186	97.5,97.5
130	47.66	45.02	38.45	33.79	31.69	33.18	38.50	45.41	120-130	49.19	3235	99,99
140	24.58	22.81	17.59	15.21	13.99	14.69	15.96	22.71	130-140	21.93	3257	99.6,99.6
150	11.38	10.93	6.595	7.284	6.175	6.797	7.774	10.91	140-150	8.069	3265	99.9,99.9
160	3.451	3.148	2.388	2.294	2.314	2.286	2.371	2.805	150-160	2.422	3268	100,100
170	2.635	2.705	2.728	2.735	2.794	2.758	2.836	2.674	160-170	0.7154	3268	100,100
180	3.385	3.275	3.271	3.283	3.389	3.270	3.275	3.285	170-180	0.2745	3268	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 989.45 lm

%lum = 30.3%

%lamp = 30.3%

Conical surface Flux(120deg): 1621.8 lm

%lum = 49.6%

%lamp = 49.6%

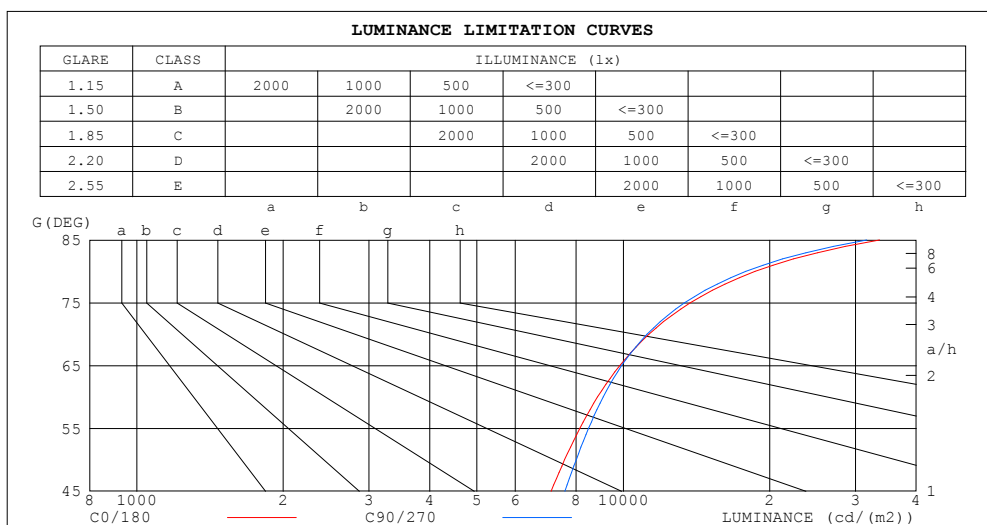
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:30 November 2022

□ 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:220.12V I:0.1165A P:25.077W PF:0.9779 Freq:49.99Hz Lamp Flux:3268.49x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-180-X2-DLG-*--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:30 November 2022

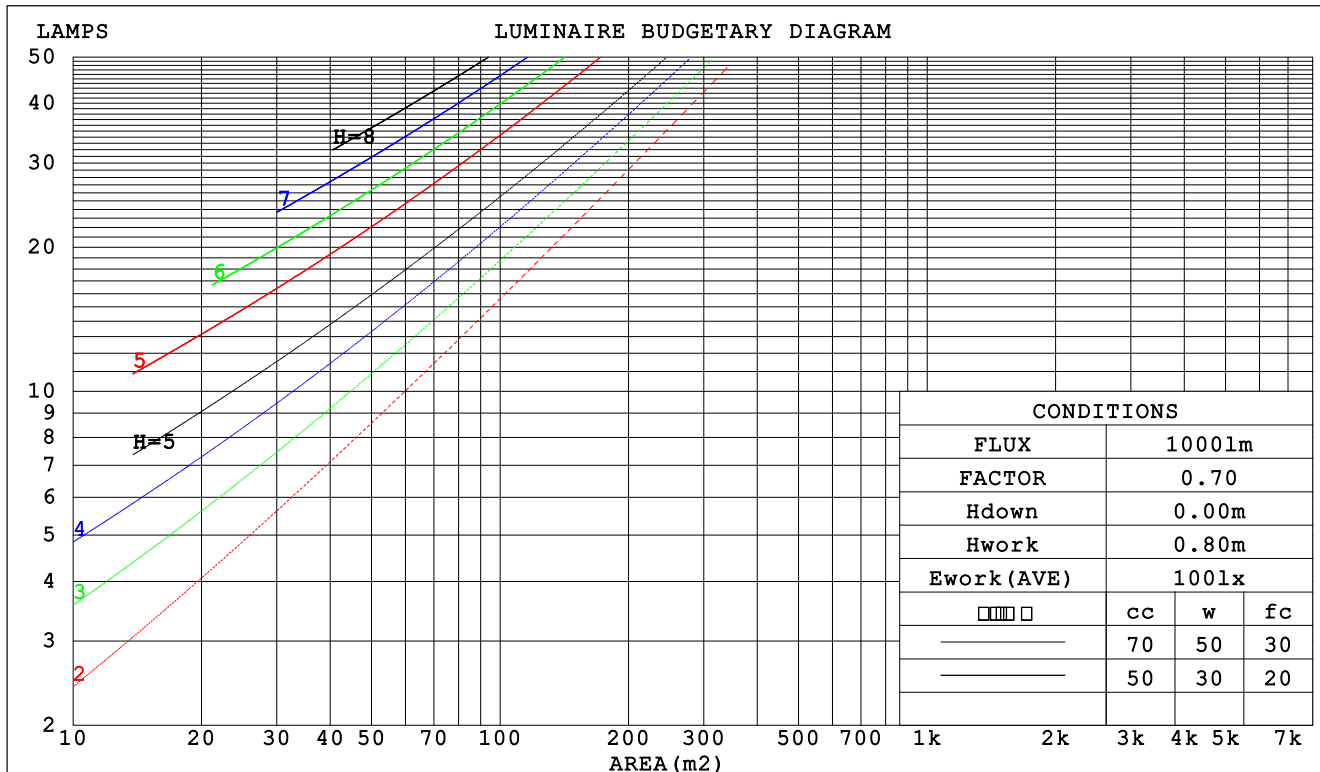
☐ Range: 0 - 180DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity:65.0%  
Test Distance:6.010m [K=1.0000]  
Remarks:



### CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.12V I:0.1165A P:25.077W PF:0.9779 Freq:49.99Hz Lamp Flux:3268.49x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-180-X2-DLG-*-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						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	.83
1.0	.94	.88	.83	.90	.85	.80	.82	.78	.74	.75	.72	.69	.69	.66	.64	.60
2.0	.80	.71	.64	.76	.69	.62	.70	.63	.58	.64	.58	.54	.58	.54	.50	.47
3.0	.68	.59	.51	.66	.57	.50	.60	.53	.47	.55	.49	.44	.50	.45	.41	.37
4.0	.60	.50	.42	.57	.48	.41	.52	.45	.39	.48	.41	.36	.44	.38	.34	.31
5.0	.53	.43	.35	.51	.41	.34	.46	.38	.32	.42	.36	.30	.39	.33	.29	.26
6.0	.47	.37	.30	.45	.36	.29	.41	.34	.28	.38	.31	.26	.35	.29	.25	.22
7.0	.42	.33	.26	.41	.32	.26	.37	.30	.24	.34	.28	.23	.32	.26	.21	.19
8.0	.38	.29	.23	.37	.28	.22	.34	.27	.21	.31	.25	.20	.29	.23	.19	.17
9.0	.35	.26	.20	.34	.25	.20	.31	.24	.19	.29	.22	.18	.27	.21	.17	.15
10.0	.32	.24	.18	.31	.23	.18	.29	.22	.17	.26	.20	.16	.25	.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:220.12V I:0.1165A P:25.077W PF:0.9779 Freq:49.99Hz Lamp Flux:3268.49x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-180-X2-DLG-*-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	.417 .237 .075	.404 .231 .073	.381 .218 .070	.359 .207 .066	.339 .196 .063	
2.0	.355 .195 .060	.344 .189 .058	.322 .179 .056	.302 .170 .053	.284 .161 .051	
3.0	.312 .166 .050	.302 .162 .049	.283 .153 .047	.265 .145 .044	.248 .137 .042	
4.0	.279 .145 .043	.270 .141 .042	.252 .134 .040	.236 .127 .038	.221 .120 .037	
5.0	.252 .129 .037	.244 .125 .036	.228 .119 .035	.213 .112 .033	.199 .106 .032	
6.0	.230 .115 .033	.223 .112 .032	.208 .107 .031	.194 .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 .080 .023	
9.0	.182 .088 .025	.176 .086 .024	.165 .082 .023	.154 .077 .022	.144 .073 .021	
10.0	.170 .081 .023	.165 .079 .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	.108 .108 .108	.035 .035 .035	
1.0	.322 .290 .260	.276 .249 .224	.189 .171 .155	.109 .099 .090	.035 .032 .029	
2.0	.316 .267 .226	.271 .230 .195	.185 .159 .136	.107 .092 .080	.034 .030 .026	
3.0	.309 .251 .204	.265 .216 .177	.182 .150 .124	.105 .088 .073	.034 .028 .024	
4.0	.301 .238 .190	.258 .206 .165	.178 .143 .117	.103 .084 .069	.033 .027 .023	
5.0	.293 .229 .181	.252 .198 .157	.173 .138 .111	.100 .081 .066	.032 .026 .022	
6.0	.285 .221 .174	.245 .191 .152	.169 .134 .107	.098 .079 .064	.032 .026 .021	
7.0	.278 .214 .169	.239 .186 .148	.165 .130 .105	.096 .077 .062	.031 .025 .021	
8.0	.271 .209 .166	.233 .181 .144	.162 .127 .102	.094 .075 .061	.030 .025 .020	
9.0	.265 .204 .163	.228 .177 .142	.158 .124 .101	.092 .073 .060	.030 .024 .020	
10.0	.259 .200 .160	.223 .173 .140	.155 .122 .099	.090 .072 .059	.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:220.12V I:0.1165A P:25.077W PF:0.9779 Freq:49.99Hz Lamp Flux:3268.49x1 lm										
NAME: Round X2 Series AC-EM					TYPE:Floodlight			WEIGHT:N/A		
SPEC.:RND-25-100-240-5K-180-X2-DLG-*-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	15.2	16.6	15.7	17.2	17.7	15.4	16.8	15.9	17.3	17.9
3H	17.8	19.1	18.3	19.7	20.3	17.9	19.2	18.4	19.7	20.3
4H	19.2	20.5	19.8	21.0	21.7	19.2	20.5	19.8	21.0	21.7
6H	20.8	22.0	21.3	22.5	23.2	20.7	21.9	21.2	22.4	23.1
8H	21.6	22.8	22.2	23.3	24.0	21.5	22.6	22.0	23.2	23.9
12H	22.6	23.7	23.2	24.3	25.0	22.4	23.5	23.0	24.1	24.8
4H 2H	16.1	17.4	16.6	17.9	18.5	16.2	17.5	16.7	18.0	18.6
3H	18.9	20.0	19.5	20.6	21.3	18.9	20.0	19.5	20.6	21.3
4H	20.4	21.5	21.0	22.1	22.8	20.4	21.4	21.0	22.0	22.8
6H	22.1	23.1	22.8	23.7	24.5	22.0	23.0	22.7	23.6	24.4
8H	23.1	24.0	23.8	24.6	25.4	22.9	23.8	23.6	24.5	25.2
12H	24.2	25.0	24.9	25.7	26.4	24.0	24.8	24.6	25.5	26.2
8H 4H	21.0	21.9	21.7	22.6	23.3	21.0	21.9	21.7	22.5	23.3
6H	23.0	23.8	23.7	24.5	25.2	22.9	23.7	23.6	24.4	25.2
8H	24.2	24.8	24.9	25.5	26.4	24.0	24.7	24.7	25.4	26.2
12H	25.5	26.1	26.2	26.8	27.6	25.3	25.9	26.0	26.6	27.4
12H 4H	21.2	22.0	21.8	22.6	23.4	21.2	22.0	21.8	22.6	23.4
6H	23.3	24.0	24.0	24.7	25.5	23.2	23.9	23.9	24.6	25.4
8H	24.5	25.1	25.3	25.8	26.7	24.4	25.0	25.1	25.7	26.6
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, 3268 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 4.1$ )

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:220.12V I:0.1165A P:25.077W PF:0.9779 Freq:49.99Hz Lamp Flux:3268.49x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-180-X2-DLG-*--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) $k(RI) \times RCR = 5$									
$k = 0.60$	45	32	25	44	32	24	42	31	24	17
0.80	54	41	32	53	40	32	50	39	31	23
1.00	62	48	39	60	47	39	57	48	38	29
1.25	69	55	46	67	54	46	63	52	44	34
1.50	74	61	52	72	60	51	67	57	49	39
2.00	82	70	61	79	68	60	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	67	53
4.00	95	87	80	92	84	77	84	78	73	58
5.00	99	91	85	95	88	82	87	82	77	62
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHR NOM = 1.25		

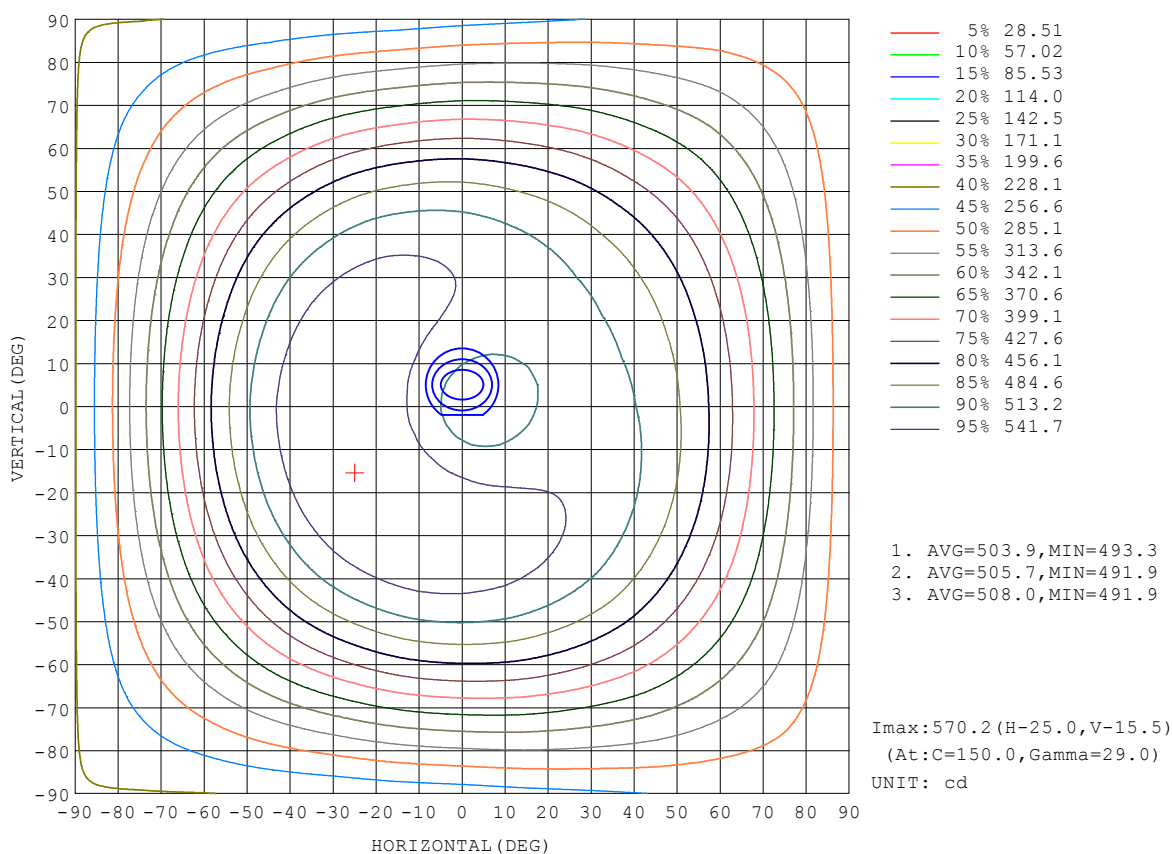
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:30 November 2022

☐ 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:220.12V I:0.1165A P:25.077W PF:0.9779 Freq:49.99Hz Lamp Flux:3268.49x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-180-X2-DLG-*-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:30 November 2022

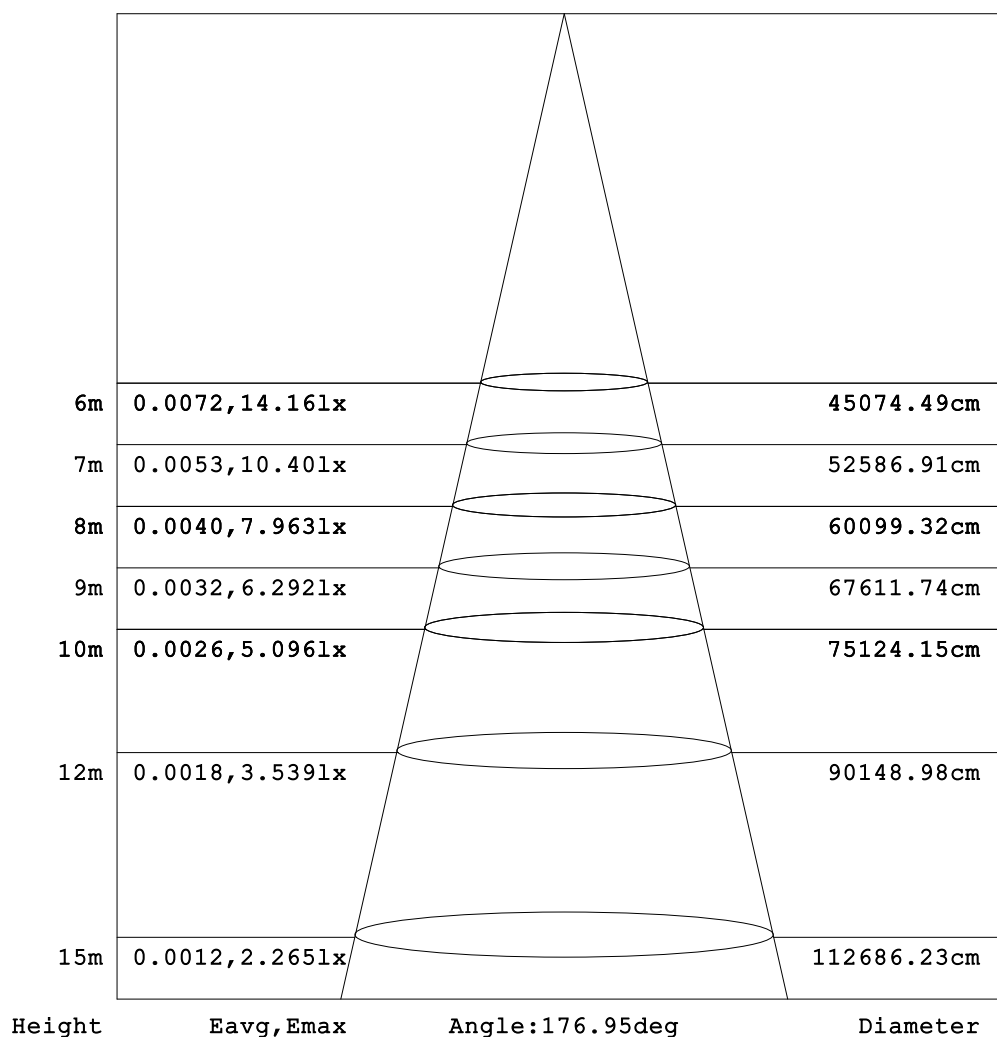
□ Range: 0 - 180DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:6.010m [K=1.0000]  
 Remarks:



### AAI Figure

Test:U:220.12V I:0.1165A P:25.077W PF:0.9779 Freq:49.99Hz Lamp Flux:3268.49x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-180-X2-DLG-*-EM	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

Flux out:2670 lm



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

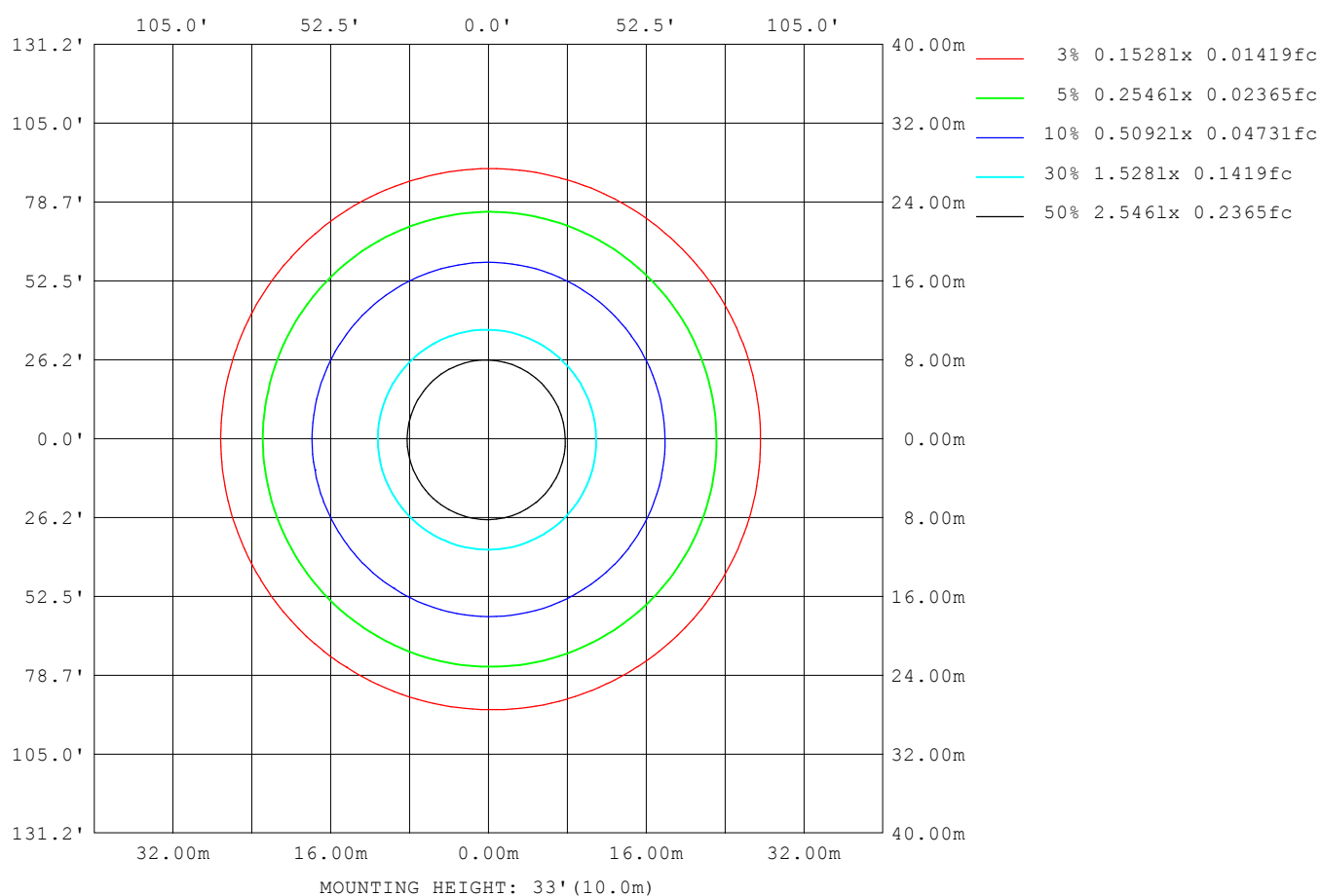
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YZY  
 Test Date:30 November 2022

☐ 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:220.12V I:0.1165A P:25.077W PF:0.9779 Freq:49.99Hz Lamp Flux:3268.49x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-180-X2-DLG-*-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: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:220.12V I:0.1165A P:25.077W PF:0.9779 Freq:49.99Hz Lamp Flux:3268.49x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-180-X2-DLG-*-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	9736
L_0~180 (75) av	13256
L_0~180 (85) av	31721
L_90~270 (65) av	9814
L_90~270 (75) av	13320
L_90~270 (85) av	31777
L_45 (65) av	9773
L_45 (75) av	13282
L_45 (85) av	31727

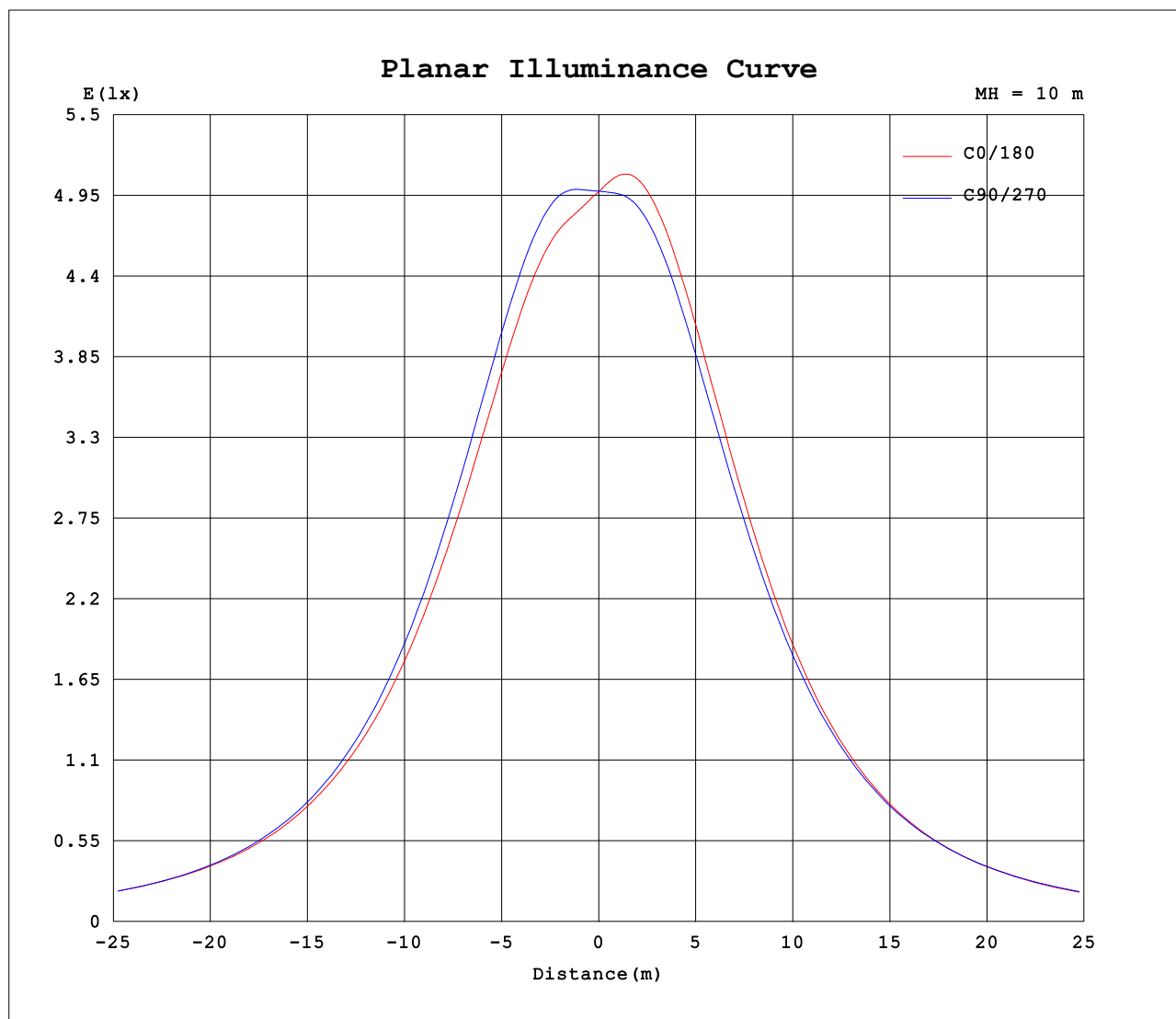
Standard: GB/T 29293-2012

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:220.12V I:0.1165A P:25.077W PF:0.9779 Freq:49.99Hz Lamp Flux:3268.49x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-180-X2-DLG-*EM	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	498	498	498	498	498	498	498	498	498	498	498	498	498	498	498	498	498	498	498
5	492	493	494	496	499	501	505	507	510	512	513	514	514	513	512	510	508	505	502
10	498	499	503	506	511	515	520	524	528	530	532	532	532	531	529	526	522	519	514
15	509	511	515	520	526	531	537	541	545	547	549	549	549	547	544	540	536	531	525
20	517	520	526	532	539	545	550	554	558	560	561	561	561	558	555	551	546	540	534
25	523	527	533	540	547	554	559	563	566	568	568	568	568	565	561	557	551	545	539
30	524	529	536	543	551	558	563	566	568	570	570	570	569	566	562	557	552	546	540
35	521	527	534	542	549	556	560	563	564	566	565	565	564	561	557	553	548	542	536
40	514	520	528	535	542	548	552	554	554	555	554	553	553	549	546	542	538	533	528
45	503	509	516	523	529	534	536	538	537	537	536	535	535	531	529	525	523	518	514
50	487	493	499	506	510	514	514	515	513	513	511	510	510	507	505	502	501	497	494
55	467	472	477	482	485	487	487	486	483	483	480	480	479	477	476	474	474	471	470
60	443	447	451	455	456	456	454	453	450	448	445	445	445	442	443	442	443	441	442
65	416	419	421	423	423	422	419	417	413	411	408	407	407	405	406	406	408	408	410
70	386	389	389	390	388	387	383	380	375	373	369	368	369	367	369	370	373	374	377
75	355	357	356	356	353	351	346	343	337	335	331	330	331	330	332	333	337	339	344
80	324	325	323	322	318	315	310	306	301	298	295	294	294	294	296	298	302	305	310
85	293	293	291	289	285	281	276	272	266	263	260	260	260	260	262	264	269	272	278
90	263	263	260	257	253	249	243	239	234	231	228	227	227	227	230	232	237	241	247
95	233	232	229	226	221	217	211	208	202	199	196	195	196	196	198	201	206	210	216
100	204	203	200	197	192	187	181	176	170	166	162	161	161	161	164	167	173	178	186
105	172	171	168	165	159	155	148	144	138	134	131	129	129	130	132	135	140	145	153
110	140	139	137	133	129	124	119	114	110	107	104	102	102	103	105	107	111	116	122
115	112	111	109	106	103	98.4	94.1	89.8	86.1	82.9	80.7	79.3	79.0	79.5	81.0	83.5	86.8	91.0	95.8
120	87.6	86.6	84.9	82.3	79.3	75.7	71.9	68.2	64.6	62.3	59.9	59.2	58.9	58.9	60.4	62.0	65.3	68.7	72.9
125	65.4	65.1	63.2	61.5	58.6	56.1	52.6	50.0	47.1	45.9	44.2	43.8	43.7	43.4	44.6	45.4	47.2	49.8	53.3
130	47.7	47.4	46.2	45.0	42.8	40.9	38.5	36.5	34.3	33.8	32.3	31.9	31.7	31.5	32.5	33.2	34.1	35.9	38.5
135	35.1	34.9	33.9	33.0	31.1	29.2	26.9	25.2	23.6	23.3	22.2	21.9	21.7	21.6	22.3	22.8	23.0	24.1	26.2
140	24.6	24.4	23.6	22.8	21.3	19.5	17.6	16.4	15.2	15.2	14.4	14.2	14.0	13.9	14.3	14.7	14.5	14.5	16.0
145	16.0	15.9	15.4	14.8	13.8	12.3	11.3	10.4	10.9	11.0	10.8	10.7	10.7	10.7	10.8	10.9	10.8	9.67	9.72
150	11.4	11.3	11.1	10.9	10.5	10.1	6.59	6.23	7.90	7.28	6.67	6.38	6.17	6.11	6.45	6.80	7.48	7.02	7.77
155	7.39	7.43	7.14	6.89	6.26	5.73	3.65	3.36	3.71	3.29	2.97	2.83	2.74	2.68	2.85	3.01	3.41	3.24	3.08
160	3.45	3.51	3.33	3.15	2.87	2.63	2.39	2.36	2.31	2.29	2.27	2.29	2.31	2.28	2.28	2.29	2.34	2.38	2.37
165	2.43	2.44	2.47	2.46	2.48	2.53	2.55	2.58	2.57	2.52	2.48	2.47	2.52	2.49	2.50	2.54	2.61	2.62	2.60
170	2.63	2.68	2.69	2.71	2.72	2.72	2.73	2.79	2.78	2.74	2.66	2.68	2.79	2.73	2.70	2.76	2.83	2.85	2.84
175	2.88	2.88	2.87	2.88	2.88	2.87	2.88	2.93	2.93	2.88	2.83	2.94	3.02	2.99	2.92	2.89	2.97	2.98	2.97
180	3.38	3.39	3.35	3.28	3.26	3.27	3.27	3.29	3.29	3.28	3.34	3.41	3.39	3.39	3.35	3.27	3.27	3.27	3.28

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:220.12V I:0.1165A P:25.077W PF:0.9779 Freq:49.99Hz Lamp Flux:3268.49x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-180-X2-DLG-*-EM	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	498	498	498	498	498														
5	499	497	494	493	492														
10	510	505	502	499	498														
15	520	515	512	508	508														
20	528	523	519	516	516														
25	533	527	523	520	521														
30	534	528	523	521	521														
35	530	524	520	517	518														
40	522	516	512	510	511														
45	508	504	500	499	500														
50	490	487	484	483	484														
55	467	465	463	463	464														
60	440	440	439	440	441														
65	411	411	412	413	414														
70	379	381	382	384	385														
75	346	350	351	354	355														
80	314	318	320	323	324														
85	283	287	290	293	294														
90	252	257	260	263	264														
95	222	227	230	234	234														
100	192	198	201	205	205														
105	158	164	168	172	172														
110	128	132	137	140	141														
115	101	105	109	111	113														
120	77.2	80.8	84.2	86.3	87.6														
125	56.4	59.8	62.2	64.6	65.2														
130	40.6	43.4	45.4	47.0	47.5														
135	28.2	31.0	33.1	34.4	34.9														
140	17.5	20.5	22.7	23.9	24.3														
145	10.5	12.7	14.1	15.3	15.7														
150	8.96	10.6	10.9	11.0	11.3														
155	5.08	5.89	6.41	6.64	7.19														
160	2.35	2.55	2.81	2.96	3.27														
165	2.54	2.46	2.40	2.41	2.38														
170	2.78	2.74	2.67	2.66	2.63														
175	2.93	2.92	2.88	2.87	2.83														
180	3.28	3.29	3.28	3.34	3.41														

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: