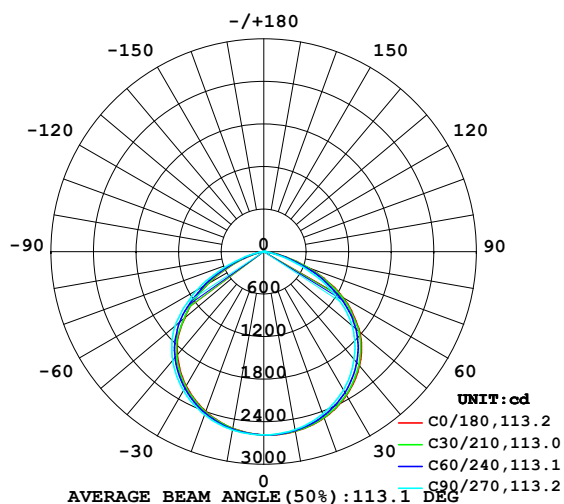


LUMINAIRE PHOTOMETRIC TEST REPORT

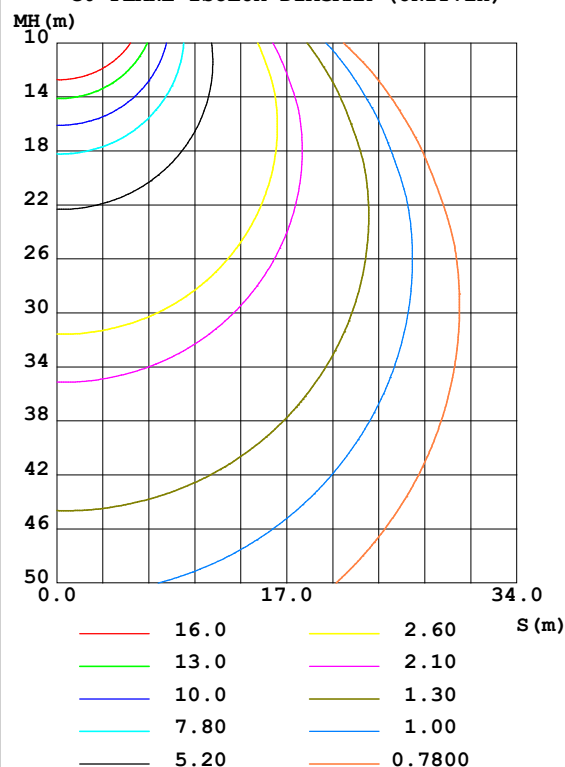
Test:U:220.20V I:0.2076A P:44.285W PF:0.9689 Freq:49.99Hz Lamp Flux:7128.52x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-45-100-240-5K-110-X2-CG-*-EM	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 160.97 lm/W			
MODEL	N/A	Imax(cd)	2589	S/MH(C0/180)	1.26
NOMINAL POWER(W)	45	LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	7128.5	□ UP,DN(C0-180)	0.2,50.3
NOMINAL FLUX(lm)	7128.52	CIE CLASS	DIRECT	□ UP,DN(C180-360)	0.2,49.3
LAMPS INSIDE	1	□ up(%)	0.4	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220	□ 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:22 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	2573	2567	2549	2533	2529	2536	2552	2569	0- 10	245.1	245.1	3.44,3.44
20	2494	2479	2436	2404	2397	2411	2448	2481	10- 20	708.1	953.2	13.4,13.4
30	2337	2313	2251	2200	2189	2209	2265	2317	20- 30	1089	2042	28.6,28.6
40	2101	2069	1983	1913	1896	1922	2000	2071	30- 40	1338	3380	47.4,47.4
50	1772	1733	1627	1520	1454	1500	1637	1732	40- 50	1406	4786	67.1,67.1
60	1292	1247	1105	971.6	902.1	941.8	1099	1217	50- 60	1224	6009	84.3,84.3
70	674.8	646.2	501.7	378.6	336.2	370.8	479.6	625.1	60- 70	786.0	6795	95.3,95.3
80	167.8	152.3	82.61	35.27	24.40	29.20	70.95	130.8	70- 80	277.8	7073	99.2,99.2
90	6.706	4.673	1.094	0.8575	0.7443	0.7024	0.7200	2.968	80- 90	28.97	7102	99.6,99.6
100	1.044	1.086	1.301	1.553	1.623	1.544	1.276	1.052	90-100	1.206	7103	99.6,99.6
110	2.126	2.201	2.574	2.911	2.999	2.895	2.533	2.195	100-110	2.001	7105	99.7,99.7
120	3.560	3.656	4.126	4.437	4.494	4.389	4.062	3.635	110-120	3.258	7109	99.7,99.7
130	4.959	5.085	5.586	5.795	5.765	5.688	5.474	5.025	120-130	4.252	7113	99.8,99.8
140	6.061	6.222	6.637	6.761	6.640	6.598	6.488	6.114	130-140	4.604	7118	99.8,99.8
150	6.883	7.077	7.362	7.445	7.319	7.276	7.215	6.954	140-150	4.280	7122	99.9,99.9
160	7.664	7.814	7.967	8.009	7.998	7.901	7.863	7.700	150-160	3.474	7125	100,100
170	8.480	8.532	8.583	8.617	8.713	8.592	8.566	8.483	160-170	2.318	7128	100,100
180	9.110	9.048	9.034	9.028	9.126	9.038	9.036	9.021	170-180	0.8372	7129	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 4088 lm

%lum = 57.3%

%lamp = 57.3%

Conical surface Flux(120deg): 6009.4 lm

%lum = 84.3%

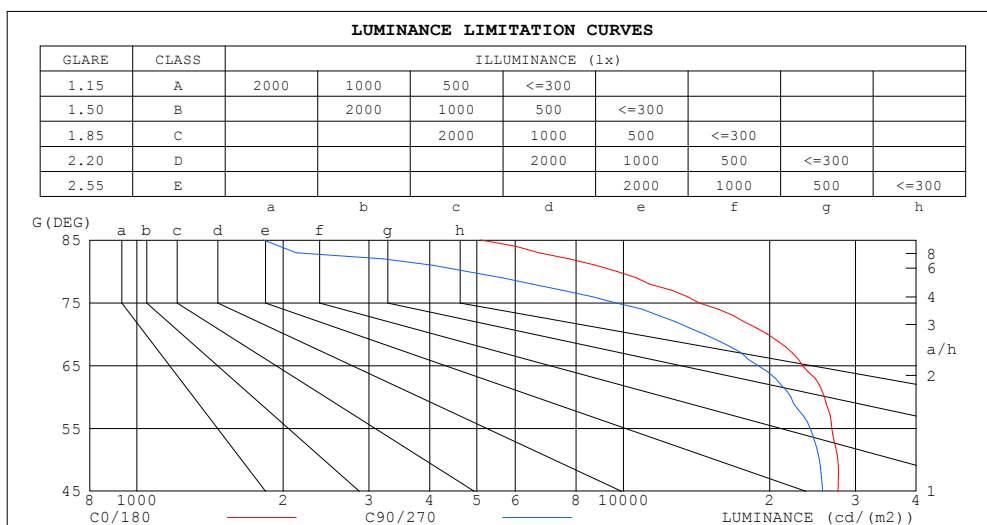
%lamp = 84.3%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:22 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:220.20V I:0.2076A P:44.285W PF:0.9689 Freq:49.99Hz Lamp Flux:7128.52x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-45-100-240-5K-110-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	5093	1821
80	9690	4755
75	14282	9617
70	19780	14660
65	23334	18900
60	25904	22095
55	26830	24213
50	27638	25306
45	27633	25697

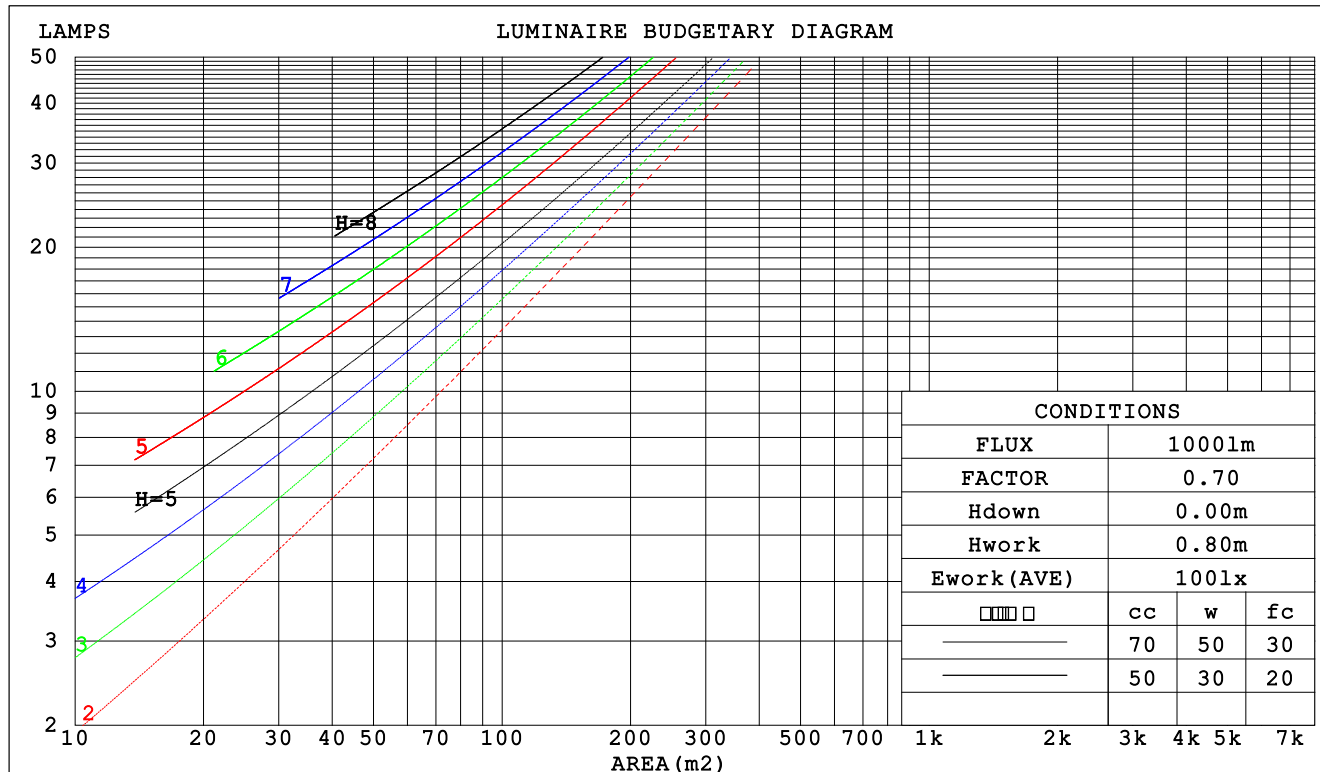
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YZY
Test Date:22 November 2022

☐ 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:220.20V I:0.2076A P:44.285W PF:0.9689 Freq:49.99Hz Lamp Flux:7128.52x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-45-100-240-5K-110-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															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	.93	.95	.93	.91	.91	.90	.88	.86														
2.0	.93	.86	.81	.91	.85	.80	.87	.82	.78	.84	.80	.76	.81	.78	.75	.72														
3.0	.82	.74	.68	.80	.73	.67	.77	.71	.66	.74	.69	.65	.72	.67	.64	.62														
4.0	.73	.64	.58	.71	.63	.57	.69	.62	.56	.66	.60	.56	.64	.59	.55	.53														
5.0	.65	.56	.50	.64	.56	.49	.62	.54	.49	.60	.53	.48	.58	.52	.48	.46														
6.0	.58	.50	.43	.57	.49	.43	.56	.48	.43	.54	.47	.42	.52	.47	.42	.40														
7.0	.53	.44	.38	.52	.44	.38	.51	.43	.38	.49	.42	.38	.48	.42	.37	.35														
8.0	.48	.40	.34	.48	.40	.34	.46	.39	.34	.45	.38	.34	.44	.38	.33	.31														
9.0	.44	.36	.31	.44	.36	.31	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28														
10.0	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.37	.31	.27	.26														



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:22 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:220.20V I:0.2076A P:44.285W PF:0.9689 Freq:49.99Hz Lamp Flux:7128.52x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-45-100-240-5K-110-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	.277 .157 .050	.270 .154 .049	.256 .147 .047	.244 .141 .045	.233 .135 .044	
2.0	.269 .148 .045	.263 .145 .045	.251 .140 .043	.241 .135 .042	.231 .130 .041	
3.0	.254 .135 .041	.249 .133 .040	.238 .129 .039	.229 .125 .038	.220 .122 .038	
4.0	.238 .124 .036	.233 .122 .036	.224 .119 .035	.215 .116 .035	.207 .113 .034	
5.0	.222 .113 .033	.218 .112 .033	.209 .109 .032	.202 .106 .032	.195 .104 .031	
6.0	.207 .104 .030	.203 .103 .030	.196 .100 .029	.189 .098 .029	.183 .096 .029	
7.0	.194 .096 .027	.190 .095 .027	.184 .093 .027	.178 .091 .027	.172 .089 .026	
8.0	.182 .089 .025	.179 .088 .025	.173 .086 .025	.167 .085 .024	.162 .083 .024	
9.0	.171 .083 .023	.168 .082 .023	.163 .080 .023	.158 .079 .023	.153 .078 .022	
10.0	.161 .077 .021	.159 .077 .021	.154 .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 .062	.058 .047 .037	.019 .015 .012	
3.0	.164 .117 .079	.141 .101 .069	.097 .070 .048	.056 .041 .028	.018 .013 .009	
4.0	.157 .104 .063	.135 .090 .055	.093 .062 .038	.054 .037 .023	.017 .012 .007	
5.0	.150 .093 .051	.129 .081 .045	.089 .056 .032	.051 .033 .019	.017 .011 .006	
6.0	.143 .085 .043	.123 .073 .037	.085 .051 .026	.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 .063 .028	.078 .044 .020	.045 .026 .012	.015 .008 .004	
9.0	.124 .067 .028	.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:22 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:220.20V I:0.2076A P:44.285W PF:0.9689 Freq:49.99Hz Lamp Flux:7128.52x1 lm										
NAME: Round X2 Series AC-EM					TYPE:Floodlight			WEIGHT:N/A		
SPEC.:RND-45-100-240-5K-110-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	18.0	19.4	18.2	19.6	19.8	17.4	18.9	17.7	19.1	19.3
3H	19.2	20.5	19.5	20.8	21.0	18.4	19.8	18.7	20.0	20.2
4H	19.5	20.8	19.8	21.0	21.3	18.6	19.9	18.9	20.1	20.4
6H	19.6	20.8	19.9	21.1	21.3	18.6	19.8	18.9	20.1	20.3
8H	19.6	20.7	19.9	21.0	21.3	18.5	19.7	18.9	20.0	20.3
12H	19.6	20.7	19.9	21.0	21.3	18.5	19.6	18.9	19.9	20.2
4H 2H	18.5	19.7	18.8	20.0	20.2	18.0	19.3	18.4	19.6	19.8
3H	19.8	20.9	20.2	21.2	21.5	19.1	20.3	19.5	20.6	20.9
4H	20.2	21.2	20.6	21.5	21.9	19.4	20.4	19.8	20.7	21.1
6H	20.4	21.2	20.8	21.6	22.0	19.4	20.3	19.9	20.7	21.1
8H	20.4	21.2	20.8	21.6	22.0	19.4	20.2	19.8	20.6	21.0
12H	20.4	21.1	20.8	21.5	21.9	19.4	20.1	19.8	20.5	20.9
8H 4H	20.3	21.1	20.7	21.4	21.8	19.5	20.3	19.9	20.7	21.1
6H	20.5	21.2	20.9	21.6	22.0	19.6	20.3	20.1	20.7	21.1
8H	20.5	21.1	21.0	21.5	22.0	19.6	20.2	20.1	20.6	21.1
12H	20.5	21.0	21.0	21.5	22.0	19.6	20.1	20.1	20.5	21.0
12H 4H	20.2	21.0	20.7	21.4	21.8	19.5	20.3	19.9	20.6	21.1
6H	20.5	21.1	20.9	21.5	21.9	19.6	20.2	20.1	20.6	21.1
8H	20.5	21.0	21.0	21.5	22.0	19.6	20.1	20.1	20.6	21.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
1.5H	+ 0.2 / - 0.5					+ 0.4 / - 0.6				
2.0H	+ 0.4 / - 0.4					+ 0.4 / - 0.6				

 CIE Pub.117, 7129 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 6.8$)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:22 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:220.20V I:0.2076A P:44.285W PF:0.9689 Freq:49.99Hz Lamp Flux:7128.52x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-45-100-240-5K-110-X2-CG-*-EM	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

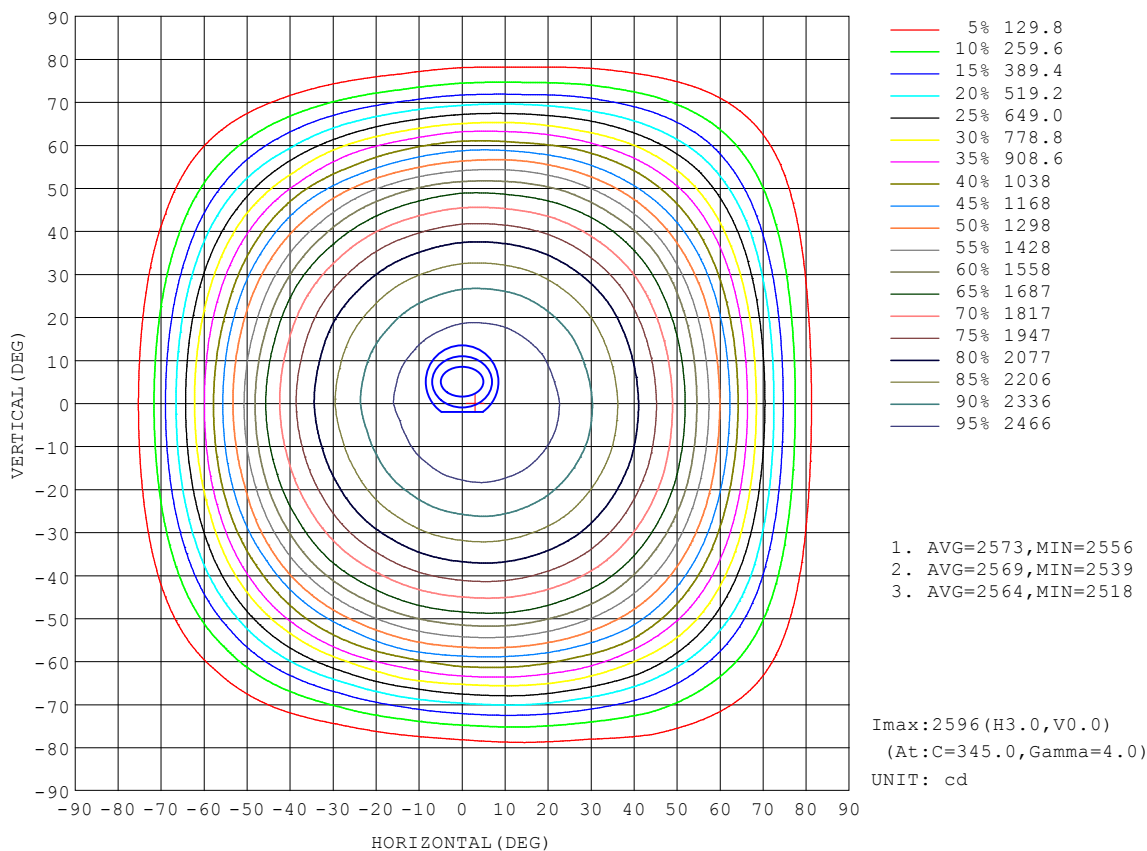
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	47	40	58	47	40	57	46	40	34
0.80	69	58	51	68	57	51	66	57	50	43
1.00	78	67	60	77	67	60	75	68	60	53
1.25	85	75	69	84	75	68	81	73	67	60
1.50	90	81	74	89	80	74	86	78	73	66
2.00	97	89	83	95	88	82	92	86	81	73
2.50	101	94	88	99	92	87	95	89	85	77
3.00	104	98	93	102	96	91	98	93	89	81
4.00	108	102	98	105	101	97	101	97	94	85
5.00	110	105	102	107	103	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:22 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:220.20V I:0.2076A P:44.285W PF:0.9689 Freq:49.99Hz Lamp Flux:7128.52x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-45-100-240-5K-110-X2-CG-*-EM	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A



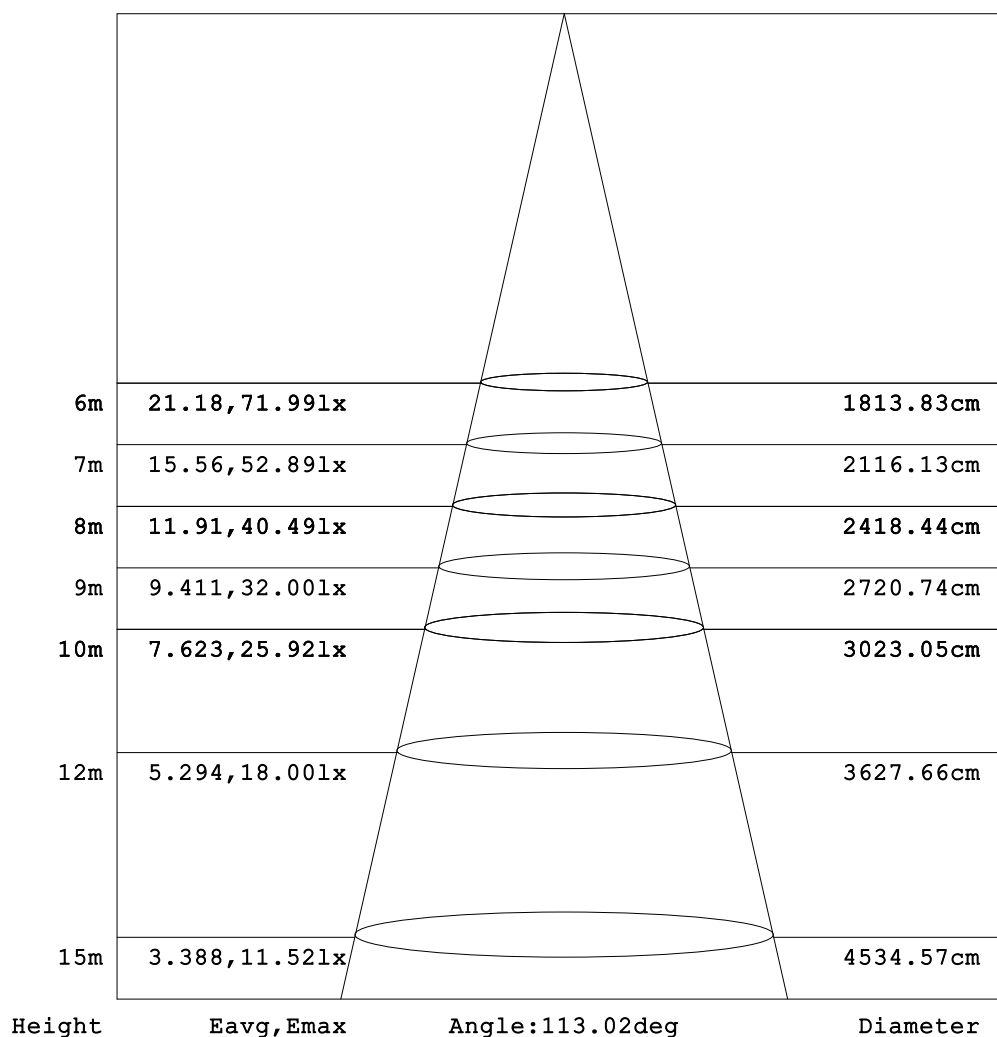
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:22 November 2022

☐ 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:220.20V I:0.2076A P:44.285W PF:0.9689 Freq:49.99Hz Lamp Flux:7128.52x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-45-100-240-5K-110-X2-CG-*-EM	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

Flux out:5679 lm



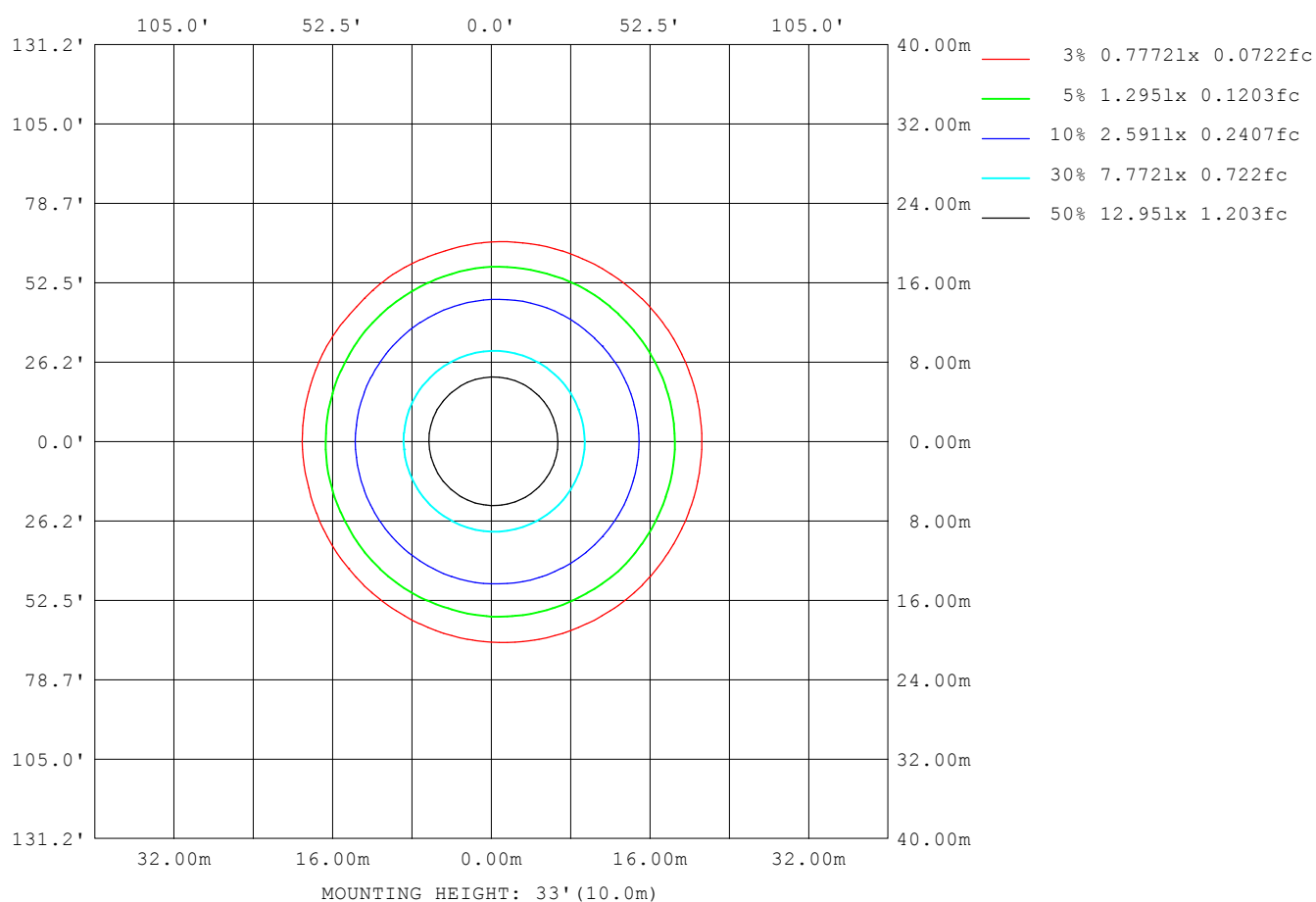
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:22 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:220.20V I:0.2076A P:44.285W PF:0.9689 Freq:49.99Hz Lamp Flux:7128.52x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-45-100-240-5K-110-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:22 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:220.20V I:0.2076A P:44.285W PF:0.9689 Freq:49.99Hz Lamp Flux:7128.52x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-45-100-240-5K-110-X2-CG-*-EM	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

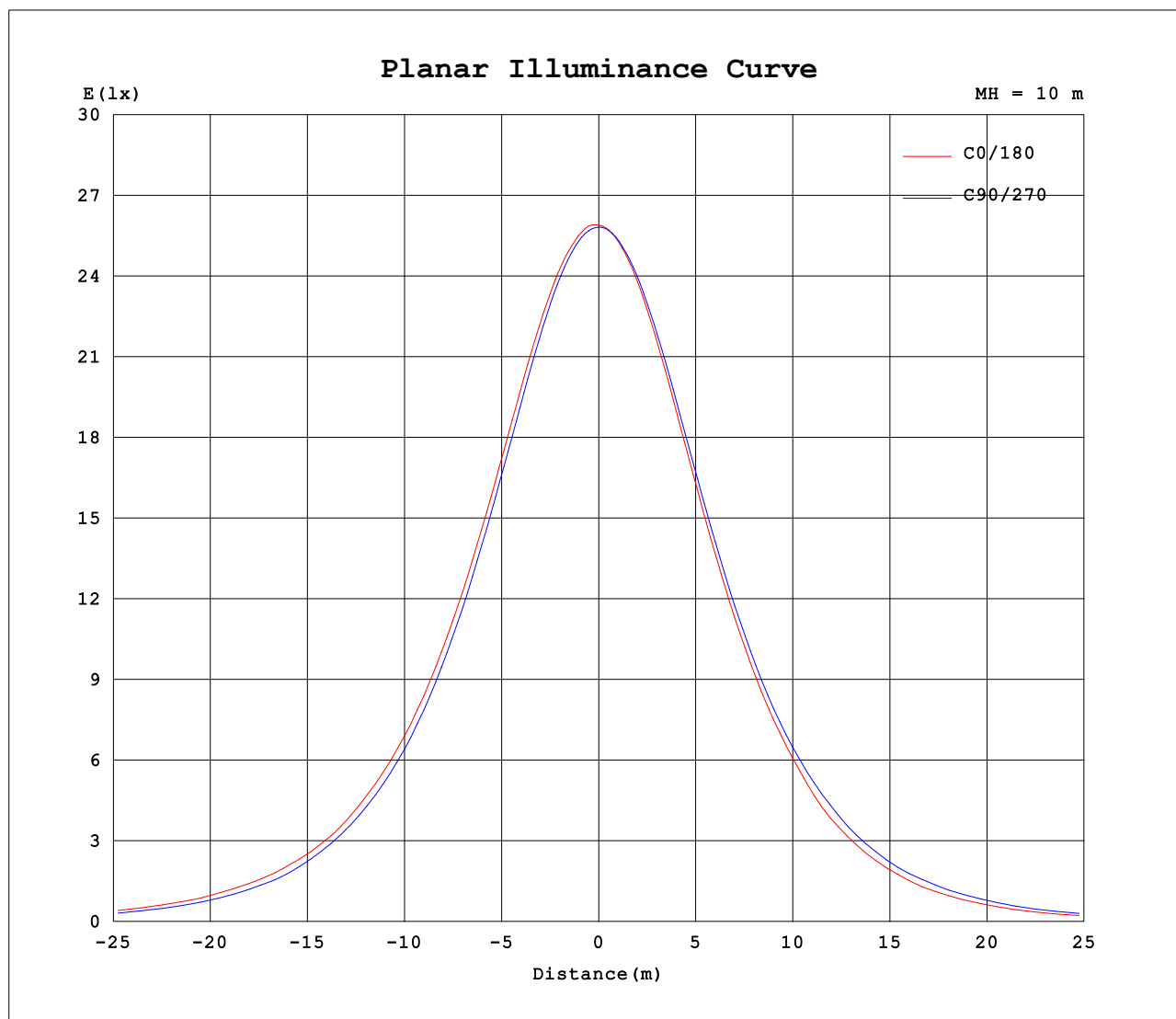
AvgL	cd/m2
L_0~180 (65) av	18719
L_0~180 (75) av	9792
L_0~180 (85) av	2738
L_90~270 (65) av	18679
L_90~270 (75) av	9352
L_90~270 (85) av	1653
L_45 (65) av	18821
L_45 (75) av	9926
L_45 (85) av	1827

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:22 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: 22 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:220.20V I:0.2076A P:44.285W PF:0.9689 Freq:49.99Hz Lamp Flux:7128.52x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-45-100-240-5K-110-X2-CG-*-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	2584	2584	2584	2584	2584	2584	2584	2584	2584	2584	2584	2584	2584	2584	2584	2584	2584	2584	2584
5	2587	2587	2585	2584	2582	2579	2576	2573	2569	2568	2566	2566	2566	2566	2568	2569	2572	2573	2577
10	2573	2573	2569	2567	2561	2556	2549	2543	2536	2533	2529	2529	2529	2529	2532	2536	2542	2546	2552
15	2543	2543	2538	2532	2523	2515	2503	2494	2483	2478	2471	2470	2473	2474	2479	2484	2493	2499	2510
20	2494	2494	2487	2479	2465	2453	2436	2424	2411	2404	2395	2394	2397	2399	2407	2411	2423	2433	2448
25	2425	2426	2416	2405	2388	2373	2352	2339	2322	2312	2302	2299	2303	2305	2314	2321	2335	2347	2366
30	2337	2339	2326	2313	2293	2276	2251	2233	2212	2200	2187	2185	2189	2191	2202	2209	2227	2242	2265
35	2230	2231	2216	2202	2178	2155	2128	2106	2082	2069	2053	2050	2054	2056	2070	2078	2099	2115	2143
40	2101	2102	2085	2069	2041	2016	1983	1960	1932	1913	1897	1894	1896	1897	1913	1922	1947	1967	2000
45	1949	1949	1933	1913	1883	1855	1818	1790	1756	1738	1714	1711	1714	1711	1729	1741	1771	1797	1834
50	1772	1774	1752	1733	1697	1671	1627	1591	1549	1520	1495	1475	1454	1453	1469	1500	1550	1588	1637
55	1535	1538	1514	1500	1470	1435	1390	1351	1298	1255	1215	1210	1201	1203	1214	1246	1276	1319	1379
60	1292	1289	1267	1247	1195	1144	1105	1041	1011	972	930	913	902	909	919	942	986	1033	1099
65	984	982	961	943	914	859	799	765	695	665	628	608	599	613	615	644	685	726	780
70	675	670	658	646	596	564	502	457	402	379	344	344	336	337	353	371	403	435	480
75	369	377	359	352	313	295	249	213	184	169	141	141	138	131	147	159	178	197	235
80	168	166	156	152	119	105	82.6	58.0	48.8	35.3	28.8	26.8	24.4	24.5	27.1	29.2	39.9	52.8	70.9
85	44.3	39.2	34.1	29.1	24.0	20.6	15.9	12.6	8.75	6.80	4.69	4.11	3.45	3.18	4.18	5.02	7.20	9.32	12.9
90	6.71	6.96	5.80	4.67	2.68	1.62	1.09	0.94	0.89	0.86	0.86	0.86	0.74	0.73	0.72	0.70	0.68	0.71	0.72
95	0.88	0.85	0.87	0.85	0.85	0.86	0.90	0.95	1.02	1.07	1.12	1.14	1.09	1.09	1.05	1.03	0.96	0.91	0.85
100	1.04	1.03	1.06	1.09	1.15	1.20	1.30	1.38	1.49	1.55	1.64	1.66	1.62	1.63	1.57	1.54	1.45	1.39	1.28
105	1.51	1.50	1.54	1.57	1.67	1.75	1.88	1.98	2.11	2.19	2.29	2.32	2.27	2.28	2.22	2.18	2.07	1.99	1.85
110	2.13	2.10	2.16	2.20	2.32	2.41	2.57	2.68	2.83	2.91	3.02	3.05	3.00	3.01	2.94	2.90	2.77	2.69	2.53
115	2.83	2.80	2.86	2.91	3.04	3.15	3.33	3.45	3.60	3.67	3.78	3.81	3.75	3.76	3.69	3.65	3.52	3.44	3.28
120	3.56	3.54	3.60	3.66	3.81	3.93	4.13	4.24	4.38	4.44	4.54	4.56	4.49	4.50	4.43	4.39	4.28	4.21	4.06
125	4.28	4.26	4.33	4.40	4.55	4.69	4.89	5.00	5.11	5.16	5.23	5.25	5.17	5.17	5.12	5.08	5.00	4.94	4.80
130	4.96	4.94	5.01	5.08	5.25	5.40	5.59	5.69	5.77	5.79	5.84	5.85	5.77	5.75	5.71	5.69	5.63	5.59	5.47
135	5.56	5.54	5.61	5.70	5.87	6.02	6.17	6.27	6.33	6.33	6.34	6.35	6.24	6.23	6.20	6.19	6.16	6.13	6.03
140	6.06	6.05	6.12	6.22	6.38	6.51	6.64	6.73	6.78	6.76	6.74	6.75	6.64	6.63	6.60	6.60	6.59	6.57	6.49
145	6.49	6.51	6.58	6.67	6.82	6.93	7.02	7.11	7.14	7.13	7.09	7.09	6.99	6.97	6.94	6.95	6.97	6.94	6.87
150	6.88	6.92	6.99	7.08	7.20	7.29	7.36	7.43	7.45	7.44	7.41	7.39	7.32	7.28	7.26	7.28	7.29	7.27	7.21
155	7.27	7.31	7.38	7.46	7.54	7.61	7.66	7.72	7.73	7.72	7.71	7.68	7.65	7.59	7.58	7.59	7.59	7.58	7.53
160	7.66	7.71	7.76	7.81	7.87	7.92	7.97	8.01	8.01	8.01	8.00	8.00	8.00	7.93	7.91	7.90	7.90	7.90	7.86
165	8.07	8.11	8.13	8.17	8.20	8.24	8.28	8.32	8.32	8.31	8.31	8.33	8.37	8.29	8.26	8.25	8.24	8.24	8.21
170	8.48	8.50	8.51	8.53	8.53	8.56	8.58	8.61	8.61	8.62	8.62	8.65	8.71	8.65	8.61	8.59	8.59	8.58	8.57
175	8.86	8.87	8.86	8.85	8.84	8.85	8.86	8.88	8.88	8.89	8.90	8.95	9.00	8.96	8.92	8.89	8.89	8.87	8.87
180	9.11	9.11	9.05	9.05	9.03	9.04	9.03	9.03	9.03	9.03	9.03	9.07	9.13	9.10	9.06	9.04	9.04	9.04	9.04

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YZY
Test Date:22 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:220.20V I:0.2076A P:44.285W PF:0.9689 Freq:49.99Hz Lamp Flux:7128.52x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-45-100-240-5K-110-X2-CG-*-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	2584	2584	2584	2584	2584														
5	2579	2583	2585	2588	2588														
10	2558	2565	2569	2573	2574														
15	2518	2528	2535	2542	2544														
20	2458	2472	2481	2491	2494														
25	2380	2398	2409	2421	2424														
30	2283	2305	2317	2332	2336														
35	2164	2189	2205	2223	2230														
40	2024	2052	2071	2093	2099														
45	1860	1893	1914	1938	1946														
50	1663	1707	1732	1759	1765														
55	1434	1480	1499	1536	1543														
60	1132	1185	1217	1246	1286														
65	839	881	931	966	986														
70	527	585	625	668	677														
75	263	307	347	368	368														
80	86.3	112	131	149	159														
85	15.8	19.8	22.8	29.4	33.4														
90	0.90	1.71	2.97	4.70	5.58														
95	0.79	0.73	0.70	0.67	0.68														
100	1.20	1.10	1.05	0.99	0.97														
105	1.76	1.63	1.56	1.48	1.46														
110	2.43	2.28	2.19	2.10	2.07														
115	3.16	2.99	2.90	2.78	2.76														
120	3.93	3.74	3.64	3.51	3.48														
125	4.67	4.47	4.36	4.23	4.19														
130	5.35	5.15	5.03	4.89	4.85														
135	5.92	5.75	5.61	5.48	5.43														
140	6.39	6.25	6.11	5.99	5.93														
145	6.79	6.68	6.55	6.45	6.38														
150	7.14	7.06	6.95	6.86	6.80														
155	7.47	7.41	7.33	7.26	7.21														
160	7.80	7.76	7.70	7.65	7.62														
165	8.17	8.13	8.09	8.05	8.04														
170	8.53	8.51	8.48	8.46	8.46														
175	8.84	8.84	8.82	8.84	8.83														
180	9.03	9.03	9.02	9.03	9.08														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:22 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: