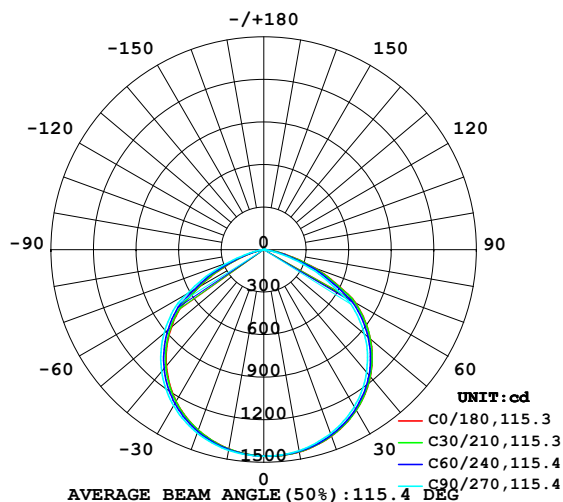


LUMINAIRE PHOTOMETRIC TEST REPORT

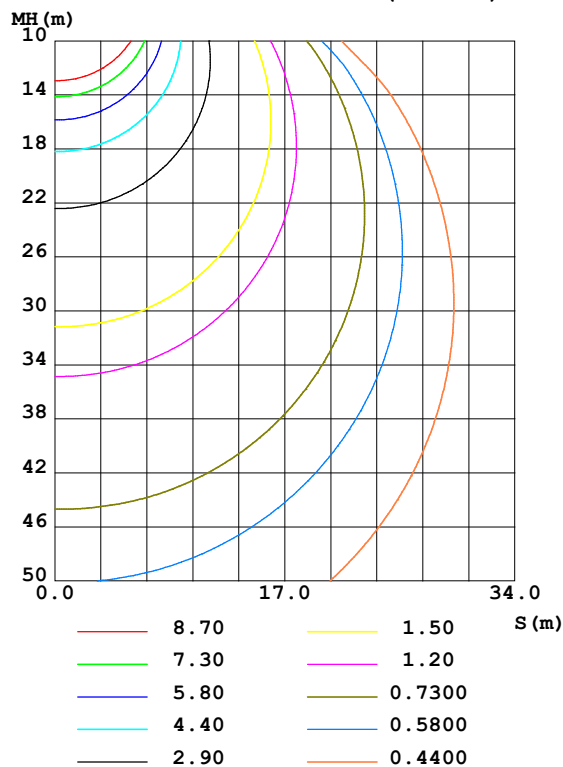
Test:U:219.95V I:0.1165A P:25.051W PF:0.9779 Freq:49.99Hz Lamp Flux:4036.25x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-110-X2-CG-*-EM	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 161.12 lm/W			
MODEL	N/A	Imax(cd)	1458	S/MH(C0/180)	1.26
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	4036.2	□ UP,DN(C0-180)	0.2,50.4
NOMINAL FLUX(lm)	4036.25	CIE CLASS	DIRECT	□ UP,DN(C180-360)	0.2,49.2
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	1448	1446	1439	1429	1426	1428	1436	1444	0- 10	138.1	138.1	3.42,3.42
20	1399	1395	1379	1361	1353	1358	1376	1390	10- 20	398.8	536.9	13.3,13.3
30	1306	1303	1278	1249	1236	1244	1272	1294	20- 30	613.3	1150	28.5,28.5
40	1169	1164	1128	1087	1069	1080	1121	1153	30- 40	752.7	1903	47.1,47.1
50	981.6	974.2	927.2	875.4	850.9	866.4	917.8	961.5	40- 50	791.3	2694	66.7,66.7
60	743.3	730.9	638.9	555.7	523.1	545.3	627.6	717.3	50- 60	705.9	3400	84.2,84.2
70	391.7	361.8	281.7	214.0	193.7	205.2	260.4	350.2	60- 70	450.8	3851	95.4,95.4
80	92.15	82.50	46.74	19.03	12.76	15.22	39.44	71.38	70- 80	155.0	4006	99.2,99.2
90	3.371	2.539	0.6061	0.4913	0.4288	0.4049	0.4231	1.664	80- 90	15.54	4021	99.6,99.6
100	0.6032	0.6308	0.7390	0.8952	0.9335	0.8850	0.7391	0.6096	90-100	0.6894	4022	99.6,99.6
110	1.239	1.282	1.465	1.657	1.706	1.656	1.464	1.278	100-110	1.153	4023	99.7,99.7
120	2.057	2.106	2.338	2.509	2.540	2.497	2.337	2.101	110-120	1.867	4025	99.7,99.7
130	2.845	2.913	3.160	3.262	3.242	3.222	3.143	2.886	120-130	2.423	4027	99.8,99.8
140	3.450	3.539	3.741	3.793	3.730	3.729	3.704	3.495	130-140	2.613	4030	99.8,99.8
150	3.908	4.014	4.147	4.184	4.114	4.111	4.104	3.955	140-150	2.423	4033	99.9,99.9
160	4.339	4.421	4.489	4.507	4.502	4.460	4.460	4.362	150-160	1.963	4034	100,100
170	4.797	4.823	4.839	4.863	4.918	4.846	4.848	4.795	160-170	1.309	4036	100,100
180	5.146	5.109	5.097	5.096	5.150	5.102	5.097	5.093	170-180	0.4728	4036	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2300.7 lm

%lum = 57.0%

%lamp = 57.0%

Conical surface Flux(120deg): 3400 lm

%lum = 84.2%

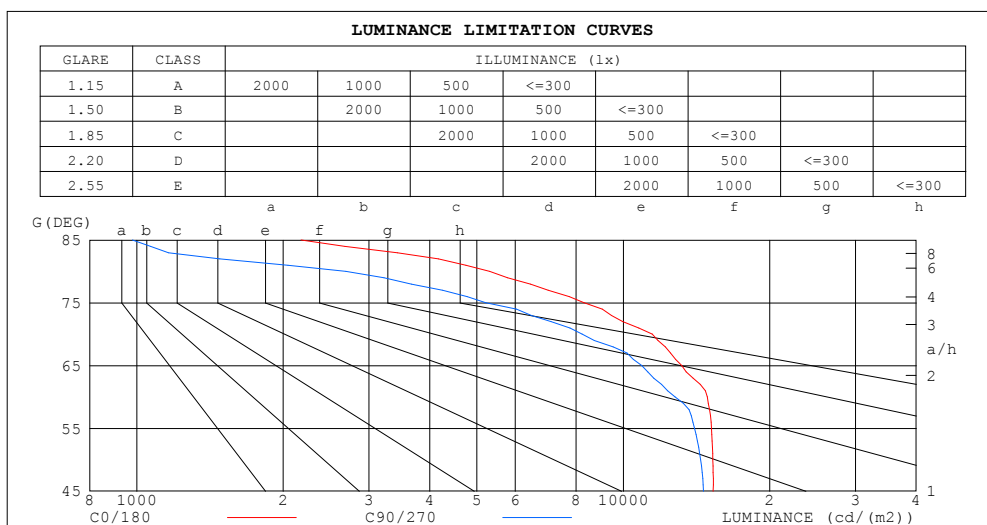
%lamp = 84.2%

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:219.95V I:0.1165A P:25.051W PF:0.9779 Freq:49.99Hz Lamp Flux:4036.25x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-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	2177	979
80	5311	2691
75	8307	5219
70	11461	8234
65	13186	10914
60	14877	12775
55	15178	14019
50	15283	14422
45	15303	14616

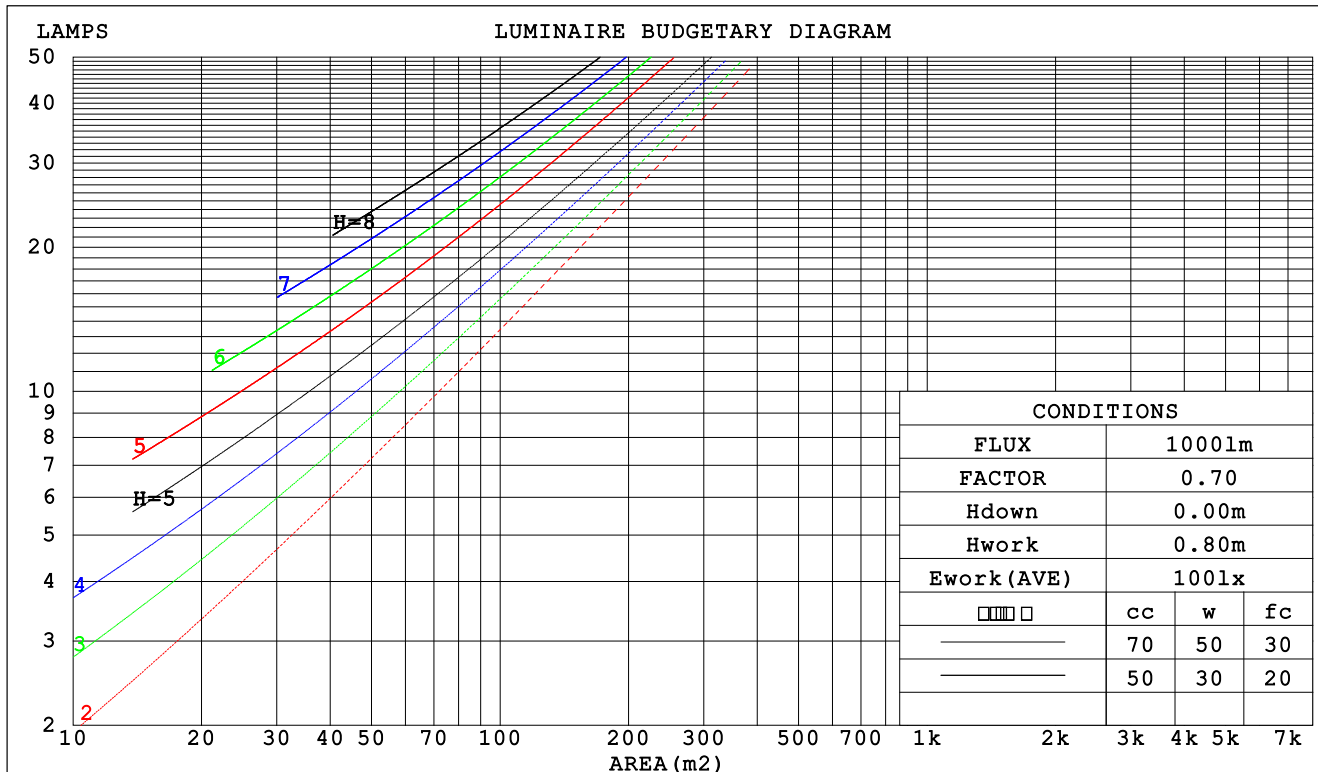
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YZY
Test Date:22 November 2022

☐ 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:219.95V I:0.1165A P:25.051W PF:0.9779 Freq:49.99Hz Lamp Flux:4036.25x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-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	1.05	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	.61
4.0	.72	.64	.58	.71	.63	.57	.69	.62	.56	.66	.60	.56	.64	.59	.55	.53
5.0	.65	.56	.50	.64	.55	.49	.61	.54	.49	.59	.53	.48	.58	.52	.48	.46
6.0	.58	.50	.43	.57	.49	.43	.55	.48	.43	.54	.47	.42	.52	.46	.42	.40
7.0	.53	.44	.38	.52	.44	.38	.50	.43	.38	.49	.42	.37	.48	.42	.37	.35
8.0	.48	.40	.34	.47	.39	.34	.46	.39	.34	.45	.38	.33	.44	.38	.33	.31
9.0	.44	.36	.31	.44	.36	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28
10.0	.41	.33	.28	.40	.33	.28	.39	.32	.27	.38	.32	.27	.37	.31	.27	.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:

WEC AND CCEC

Test:U:219.95V I:0.1165A P:25.051W PF:0.9779 Freq:49.99Hz Lamp Flux:4036.25x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-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 .158 .050	.270 .154 .049	.257 .147 .047	.244 .141 .045	.233 .135 .044	
2.0	.270 .148 .045	.263 .145 .045	.252 .140 .043	.241 .135 .042	.231 .131 .041	
3.0	.255 .135 .041	.249 .133 .040	.239 .129 .039	.229 .126 .039	.220 .122 .038	
4.0	.238 .124 .036	.233 .122 .036	.224 .119 .035	.216 .116 .035	.208 .113 .034	
5.0	.222 .113 .033	.218 .112 .033	.210 .109 .032	.202 .107 .032	.195 .104 .031	
6.0	.208 .104 .030	.204 .103 .030	.196 .101 .029	.190 .098 .029	.183 .096 .029	
7.0	.194 .096 .027	.191 .095 .027	.184 .093 .027	.178 .091 .027	.172 .090 .026	
8.0	.182 .089 .025	.179 .088 .025	.173 .086 .025	.168 .085 .024	.162 .083 .024	
9.0	.171 .083 .023	.168 .082 .023	.163 .081 .023	.158 .079 .023	.153 .078 .023	
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 .031	.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	.137 .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	.103 .055 .022	.071 .038 .016	.042 .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:219.95V I:0.1165A P:25.051W PF:0.9779 Freq:49.99Hz Lamp Flux:4036.25x1 lm											
NAME: Round X2 Series AC-EM					TYPE:Floodlight			WEIGHT:N/A			
SPEC.:RND-25-100-240-5K-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	2H	18.0	19.4	18.3	19.7	19.9	17.5	19.0	17.8	19.2	19.4
	3H	19.2	20.6	19.5	20.8	21.0	18.5	19.8	18.8	20.1	20.3
	4H	19.5	20.8	19.8	21.0	21.3	18.7	19.9	19.0	20.2	20.5
	6H	19.6	20.8	19.9	21.1	21.4	18.6	19.8	19.0	20.1	20.4
	8H	19.6	20.8	19.9	21.0	21.3	18.6	19.8	19.0	20.0	20.3
	12H	19.6	20.7	19.9	21.0	21.3	18.6	19.7	18.9	20.0	20.3
4H	2H	18.5	19.8	18.8	20.0	20.3	18.1	19.4	18.5	19.7	19.9
	3H	19.8	20.9	20.2	21.2	21.6	19.2	20.3	19.6	20.6	20.9
	4H	20.2	21.2	20.6	21.6	21.9	19.5	20.5	19.8	20.8	21.1
	6H	20.4	21.3	20.8	21.6	22.0	19.5	20.4	19.9	20.7	21.1
	8H	20.4	21.2	20.8	21.6	22.0	19.5	20.3	19.9	20.7	21.0
	12H	20.4	21.1	20.8	21.5	21.9	19.4	20.2	19.9	20.6	21.0
8H	4H	20.3	21.1	20.7	21.5	21.9	19.6	20.4	20.0	20.8	21.2
	6H	20.5	21.2	21.0	21.6	22.0	19.7	20.3	20.1	20.7	21.2
	8H	20.5	21.1	21.0	21.6	22.0	19.6	20.2	20.1	20.7	21.1
	12H	20.5	21.0	21.0	21.5	22.0	19.6	20.1	20.1	20.6	21.1
12H	4H	20.3	21.0	20.7	21.4	21.8	19.5	20.3	20.0	20.7	21.1
	6H	20.5	21.1	21.0	21.5	22.0	19.7	20.2	20.1	20.7	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	+ 0.3 / - 0.5					+ 0.4 / - 0.6					
2.0H	+ 0.2 / - 0.5					+ 0.3 / - 0.6					

 CIE Pub.117, 4036 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 4.8$)

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:219.95V I:0.1165A P:25.051W PF:0.9779 Freq:49.99Hz Lamp Flux:4036.25x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-110-X2-CG-*-EM	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

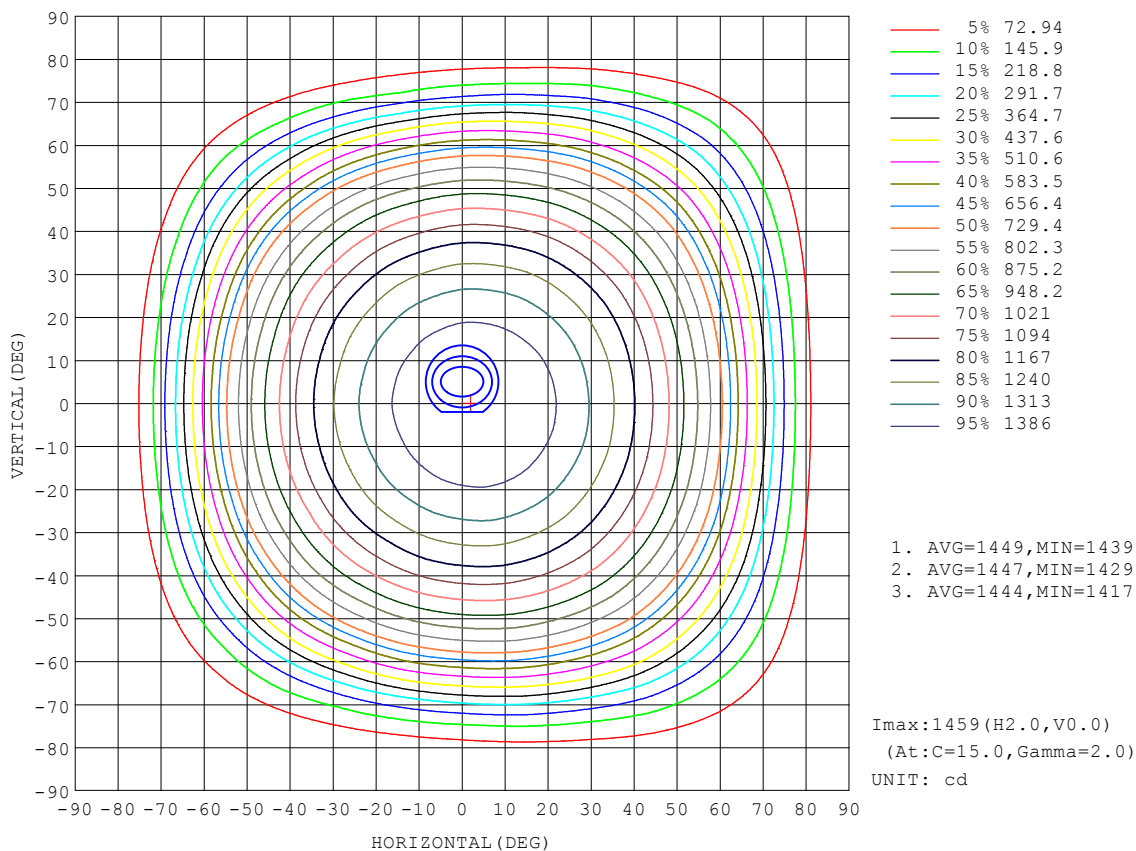
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	47	40	58	47	40	57	46	40	34
0.80	69	58	51	68	57	50	66	56	50	43
1.00	78	67	60	77	67	60	74	68	59	52
1.25	85	75	68	84	74	68	81	73	67	60
1.50	90	81	74	88	80	74	86	78	73	65
2.00	97	89	83	95	88	82	92	86	81	73
2.50	101	93	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:219.95V I:0.1165A P:25.051W PF:0.9779 Freq:49.99Hz Lamp Flux:4036.25x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-110-X2-CG-*-EM	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A



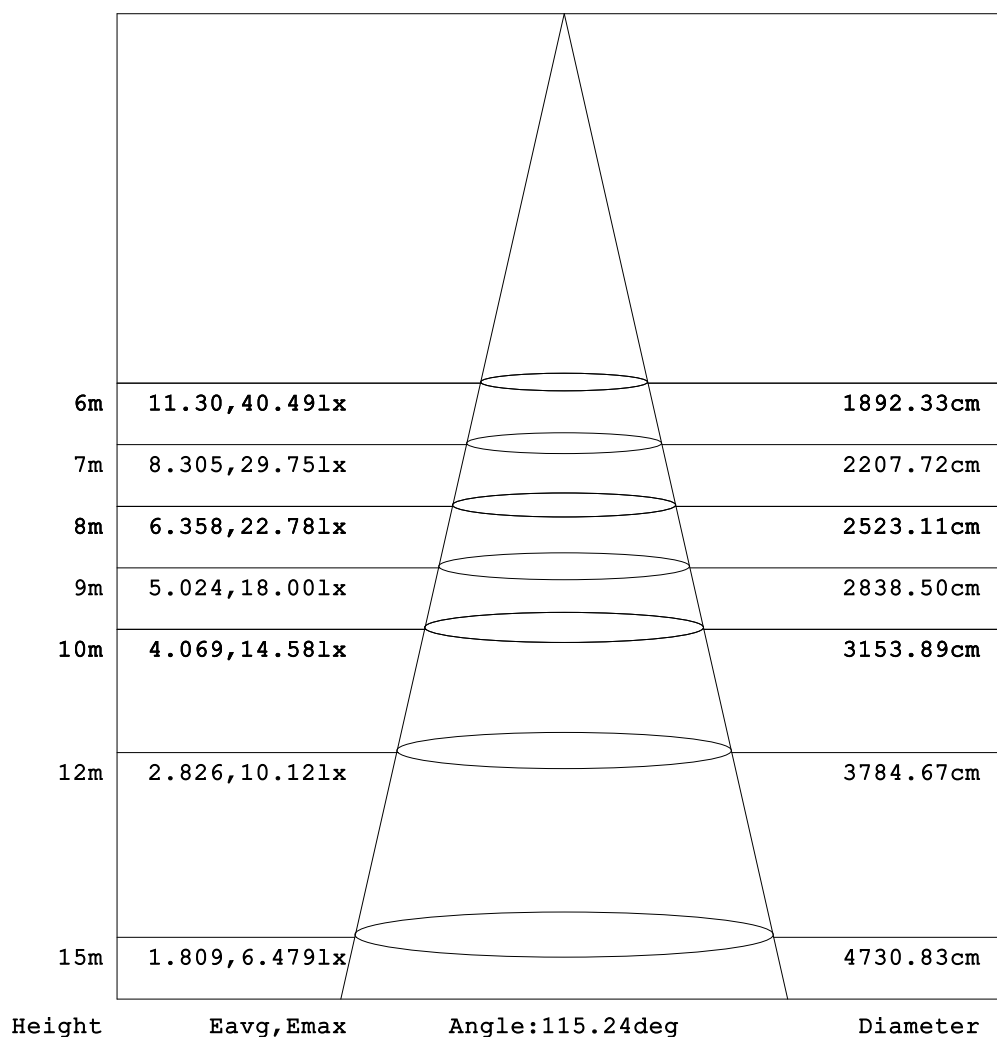
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:22 November 2022

☐ 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:219.95V I:0.1165A P:25.051W PF:0.9779 Freq:49.99Hz Lamp Flux:4036.25x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-110-X2-CG-*-EM	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

Flux out:3274 lm



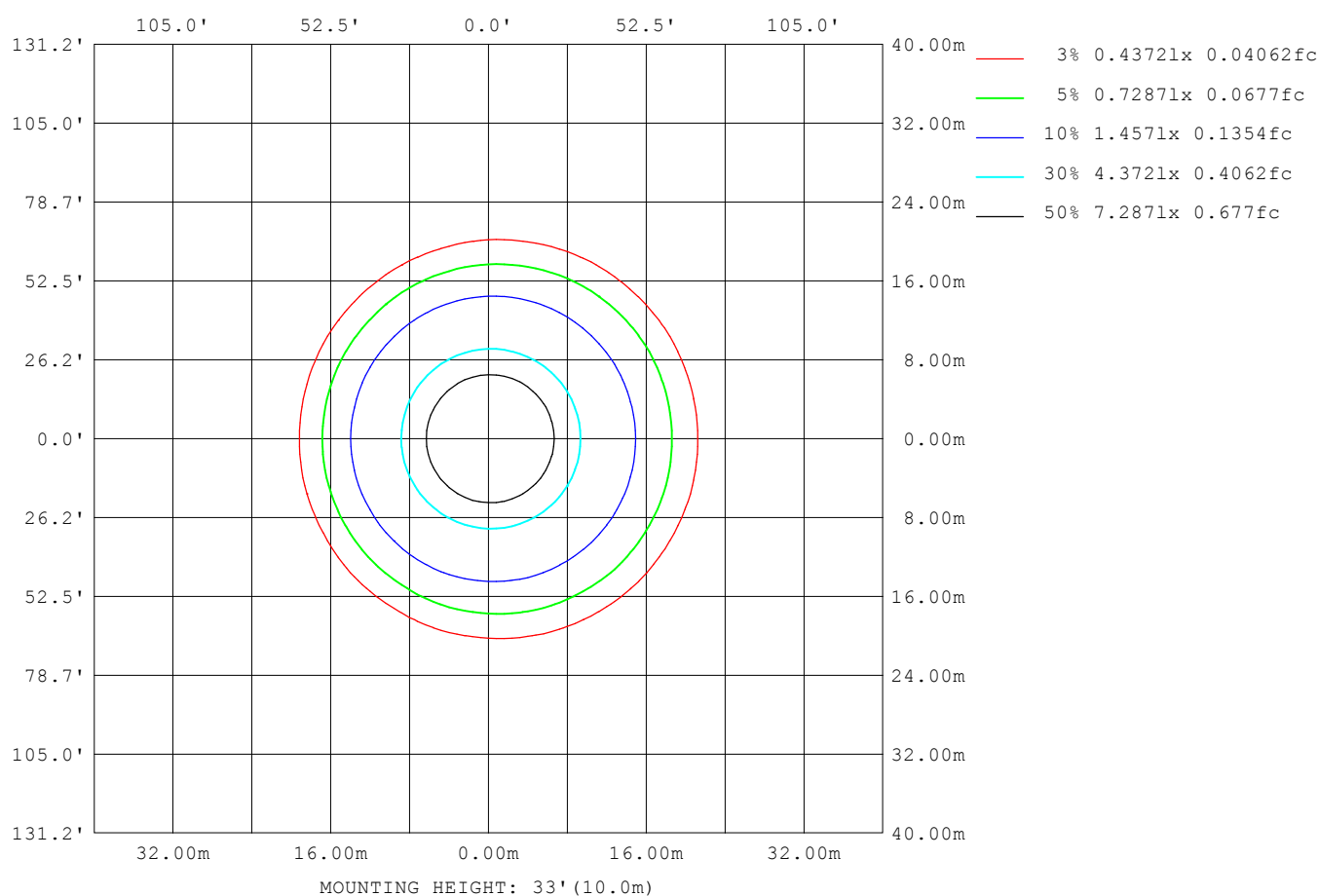
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:219.95V I:0.1165A P:25.051W PF:0.9779 Freq:49.99Hz Lamp Flux:4036.25x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-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:219.95V I:0.1165A P:25.051W PF:0.9779 Freq:49.99Hz Lamp Flux:4036.25x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-110-X2-CG-*-EM	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

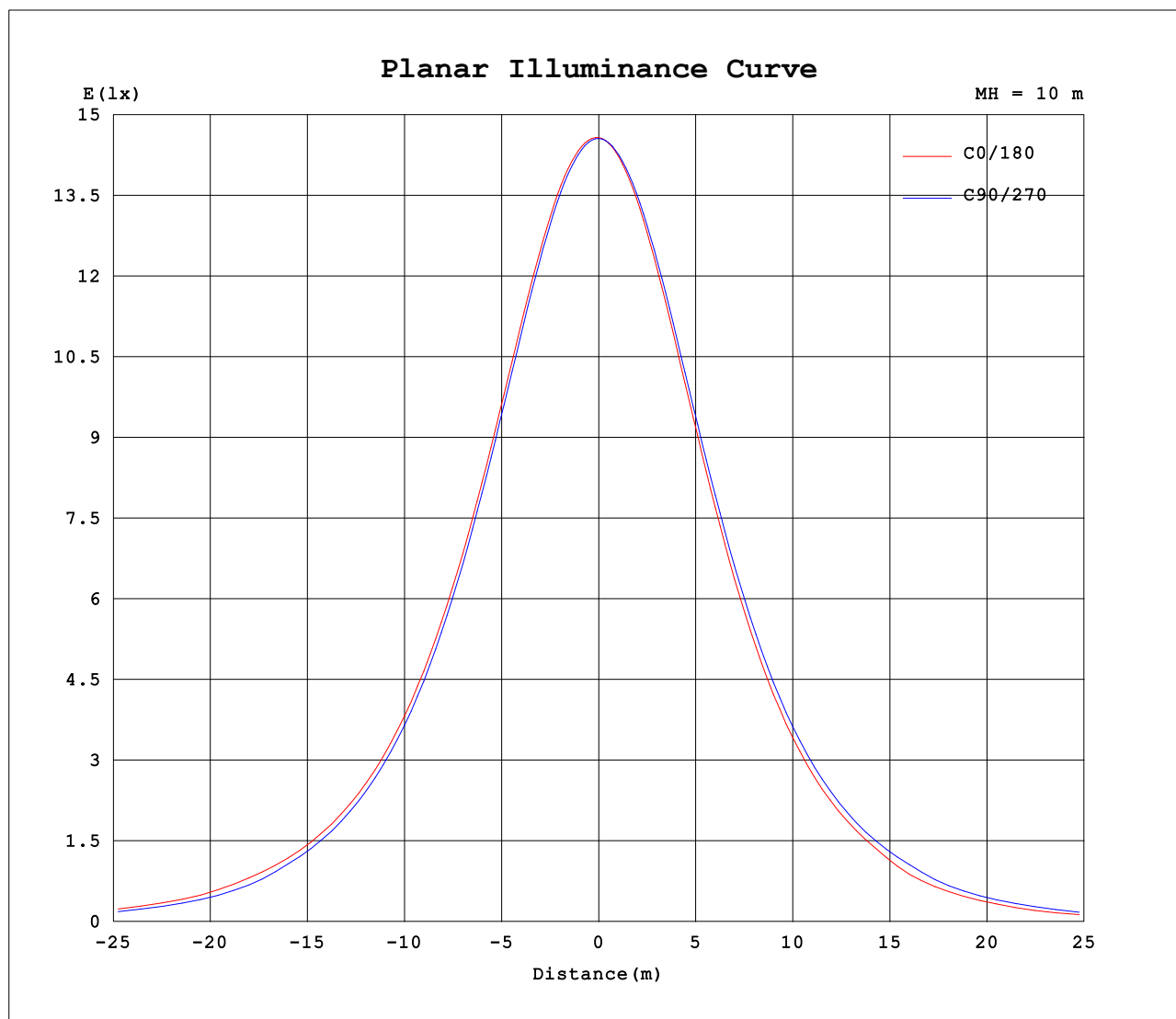
AvgL	cd/m2
L_0~180 (65) av	10764
L_0~180 (75) av	5614
L_0~180 (85) av	1187
L_90~270 (65) av	10792
L_90~270 (75) av	4897
L_90~270 (85) av	894
L_45 (65) av	10776
L_45 (75) av	5478
L_45 (85) av	959

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:219.95V I:0.1165A P:25.051W PF:0.9779 Freq:49.99Hz Lamp Flux:4036.25x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-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	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456
5	1456	1456	1456	1456	1454	1453	1452	1451	1450	1449	1448	1447	1447	1446	1447	1447	1448	1449	1450
10	1448	1448	1447	1446	1444	1442	1439	1435	1431	1429	1426	1426	1426	1425	1427	1428	1431	1433	1436
15	1429	1429	1427	1426	1423	1420	1414	1409	1403	1399	1395	1394	1395	1394	1396	1398	1403	1406	1411
20	1399	1399	1397	1395	1391	1387	1379	1372	1365	1361	1355	1354	1353	1352	1355	1358	1364	1369	1376
25	1358	1359	1356	1355	1349	1345	1334	1326	1317	1310	1303	1301	1301	1299	1303	1306	1314	1320	1329
30	1306	1308	1305	1303	1296	1290	1278	1268	1256	1249	1241	1237	1236	1234	1239	1244	1253	1261	1272
35	1244	1246	1242	1239	1231	1224	1210	1198	1183	1175	1165	1159	1158	1158	1163	1169	1181	1190	1203
40	1169	1171	1167	1164	1155	1145	1128	1115	1098	1087	1075	1071	1069	1069	1075	1080	1094	1105	1121
45	1081	1084	1080	1076	1065	1053	1034	1018	1001	988	973	969	967	965	974	980	995	1008	1026
50	982	984	980	974	961	949	927	910	887	875	861	854	851	850	858	866	883	896	918
55	870	872	866	861	843	830	804	786	765	747	730	724	721	717	729	739	757	773	796
60	743	747	738	731	707	681	639	611	575	556	537	526	523	522	534	545	569	594	628
65	557	556	545	535	513	491	461	439	413	387	364	355	353	351	364	375	405	419	451
70	392	394	374	362	334	311	282	258	231	214	194	191	194	189	198	205	216	231	260
75	215	217	209	199	177	160	135	120	104	95.6	80.6	76.6	75.8	70.9	77.1	83.3	90.1	101	118
80	92.2	95.2	89.7	82.5	68.2	59.5	46.7	36.1	24.4	19.0	15.1	13.7	12.8	12.6	13.9	15.2	22.1	27.1	39.4
85	19.0	20.0	16.8	15.1	12.7	11.0	8.53	6.66	4.51	3.45	2.44	2.12	1.74	1.67	2.09	2.54	3.71	4.85	7.04
90	3.37	3.48	3.01	2.54	1.56	0.94	0.61	0.52	0.51	0.49	0.49	0.49	0.43	0.41	0.42	0.40	0.39	0.41	0.42
95	0.51	0.48	0.50	0.48	0.48	0.49	0.51	0.55	0.58	0.61	0.64	0.66	0.63	0.62	0.61	0.59	0.56	0.52	0.48
100	0.60	0.61	0.61	0.63	0.66	0.69	0.74	0.79	0.85	0.90	0.94	0.95	0.93	0.93	0.91	0.88	0.84	0.79	0.74
105	0.88	0.88	0.90	0.92	0.96	1.00	1.07	1.13	1.21	1.25	1.31	1.32	1.30	1.30	1.28	1.25	1.19	1.14	1.07
110	1.24	1.23	1.26	1.28	1.34	1.39	1.46	1.53	1.60	1.66	1.71	1.73	1.71	1.71	1.68	1.66	1.60	1.54	1.46
115	1.64	1.63	1.66	1.68	1.74	1.80	1.90	1.96	2.04	2.08	2.14	2.16	2.13	2.13	2.10	2.08	2.02	1.97	1.89
120	2.06	2.05	2.07	2.11	2.17	2.24	2.34	2.40	2.47	2.51	2.55	2.57	2.54	2.54	2.52	2.50	2.45	2.41	2.34
125	2.46	2.46	2.48	2.52	2.60	2.68	2.77	2.83	2.88	2.91	2.94	2.95	2.92	2.92	2.90	2.88	2.85	2.83	2.76
130	2.84	2.84	2.86	2.91	3.00	3.08	3.16	3.22	3.25	3.26	3.28	3.29	3.24	3.24	3.23	3.22	3.21	3.20	3.14
135	3.17	3.17	3.20	3.26	3.33	3.41	3.48	3.54	3.56	3.55	3.55	3.56	3.51	3.50	3.50	3.50	3.50	3.49	3.45
140	3.45	3.45	3.49	3.54	3.62	3.69	3.74	3.79	3.81	3.79	3.78	3.78	3.73	3.72	3.72	3.73	3.74	3.73	3.70
145	3.68	3.70	3.73	3.79	3.86	3.92	3.96	4.01	4.01	4.00	3.97	3.98	3.92	3.92	3.92	3.93	3.96	3.94	3.92
150	3.91	3.93	3.96	4.01	4.07	4.12	4.15	4.19	4.19	4.18	4.15	4.15	4.11	4.09	4.10	4.11	4.14	4.12	4.10
155	4.12	4.15	4.17	4.22	4.26	4.29	4.31	4.35	4.35	4.34	4.32	4.32	4.30	4.27	4.28	4.28	4.30	4.29	4.28
160	4.34	4.37	4.39	4.42	4.43	4.46	4.49	4.52	4.51	4.51	4.49	4.50	4.50	4.46	4.47	4.46	4.47	4.47	4.46
165	4.56	4.59	4.59	4.62	4.63	4.66	4.67	4.69	4.68	4.68	4.67	4.69	4.71	4.67	4.66	4.65	4.66	4.66	4.66
170	4.80	4.81	4.81	4.82	4.82	4.83	4.84	4.86	4.85	4.86	4.85	4.88	4.92	4.87	4.86	4.85	4.86	4.85	4.85
175	5.01	5.02	5.00	5.00	4.99	5.00	5.00	5.01	5.00	5.02	5.02	5.05	5.08	5.05	5.04	5.02	5.02	5.01	5.01
180	5.15	5.14	5.12	5.11	5.10	5.10	5.10	5.10	5.09	5.10	5.09	5.13	5.15	5.14	5.12	5.10	5.10	5.10	5.10

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:219.95V I:0.1165A P:25.051W PF:0.9779 Freq:49.99Hz Lamp Flux:4036.25x1 lm		
NAME: Round X2 Series AC-EM	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-100-240-5K-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	1456	1456	1456	1456	1456														
5	1452	1453	1454	1456	1456														
10	1439	1442	1444	1447	1448														
15	1415	1419	1422	1427	1429														
20	1380	1385	1390	1395	1398														
25	1335	1343	1348	1354	1357														
30	1279	1289	1294	1302	1305														
35	1211	1223	1230	1238	1243														
40	1131	1145	1153	1163	1167														
45	1038	1054	1064	1075	1080														
50	932	950	962	974	979														
55	813	833	846	859	866														
60	661	699	717	733	739														
65	479	503	524	544	553														
70	293	326	350	376	387														
75	142	173	189	211	213														
80	48.5	63.2	71.4	83.7	90.3														
85	8.71	10.9	12.3	15.6	17.0														
90	0.53	1.02	1.66	2.54	2.90														
95	0.45	0.43	0.41	0.40	0.40														
100	0.69	0.65	0.61	0.58	0.57														
105	1.02	0.96	0.91	0.87	0.85														
110	1.40	1.32	1.28	1.23	1.21														
115	1.82	1.73	1.68	1.62	1.60														
120	2.26	2.16	2.10	2.04	2.01														
125	2.68	2.58	2.51	2.44	2.42														
130	3.06	2.96	2.89	2.82	2.78														
135	3.38	3.30	3.22	3.15	3.11														
140	3.64	3.57	3.49	3.43	3.39														
145	3.86	3.82	3.74	3.68	3.63														
150	4.06	4.02	3.95	3.91	3.86														
155	4.24	4.21	4.16	4.13	4.08														
160	4.42	4.40	4.36	4.34	4.32														
165	4.63	4.61	4.58	4.56	4.54														
170	4.82	4.82	4.79	4.79	4.78														
175	4.99	5.00	4.98	5.00	4.99														
180	5.09	5.10	5.09	5.10	5.12														

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: