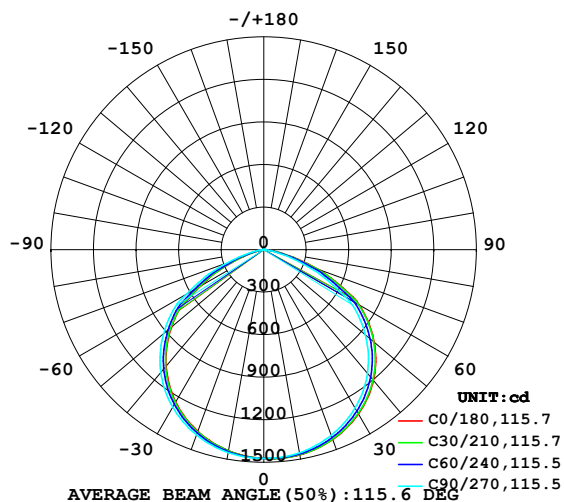


LUMINAIRE PHOTOMETRIC TEST REPORT

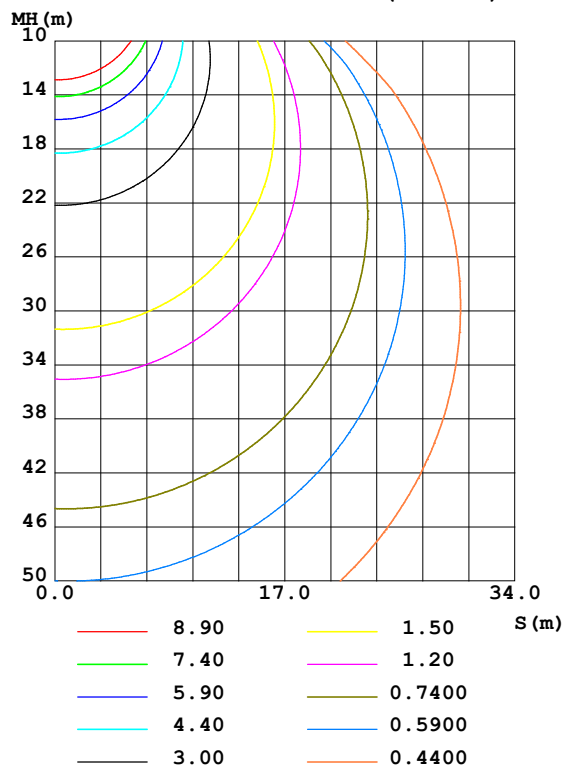
Test:U:24.200V I:1.0700A P:25.894W PF:1.0000 Freq:0Hz Lamp Flux:4096x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-110-X2-CG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 158.18 lm/W			
MODEL	N/A	I _{max} (cd)	1477	S/MH(C0/180)	1.25
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	4096.0	□ UP,DN(C0-180)	0.2,50.6
NOMINAL FLUX(lm)	4096	CIE CLASS	DIRECT	□ UP,DN(C180-360)	0.2,49.1
LAMPS INSIDE	1	□ up (%)	0.4	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	□ 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:23 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	1469	1466	1455	1443	1439	1442	1452	1464	0- 10	139.7	139.7	3.41,3.41
20	1425	1418	1393	1371	1363	1370	1390	1414	10- 20	403.5	543.2	13.3,13.3
30	1337	1326	1289	1254	1242	1251	1284	1320	20- 30	620.5	1164	28.4,28.4
40	1203	1188	1138	1090	1072	1084	1130	1179	30- 40	761.9	1926	47,47
50	1017	1001	936.3	875.5	850.1	864.8	923.0	984.9	40- 50	801.6	2727	66.6,66.6
60	776.1	757.7	659.7	558.1	520.2	541.6	631.7	737.6	50- 60	716.7	3444	84.1,84.1
70	416.2	389.5	294.3	217.4	183.5	199.5	272.3	363.6	60- 70	461.4	3905	95.3,95.3
80	94.14	82.85	48.91	18.64	13.48	16.20	37.96	72.17	70- 80	159.6	4065	99.2,99.2
90	3.594	2.578	0.6351	0.4937	0.4421	0.4163	0.4234	1.780	80- 90	15.91	4081	99.6,99.6
100	0.5982	0.6283	0.7556	0.9162	0.9730	0.9248	0.7594	0.6117	90-100	0.7091	4082	99.6,99.6
110	1.231	1.278	1.480	1.700	1.781	1.720	1.497	1.280	100-110	1.175	4083	99.7,99.7
120	2.050	2.104	2.365	2.567	2.637	2.578	2.379	2.105	110-120	1.899	4085	99.7,99.7
130	2.842	2.912	3.189	3.332	3.351	3.306	3.183	2.897	120-130	2.459	4087	99.8,99.8
140	3.461	3.553	3.777	3.862	3.834	3.807	3.744	3.509	130-140	2.647	4090	99.8,99.8
150	3.924	4.036	4.190	4.246	4.212	4.182	4.149	3.985	140-150	2.452	4092	99.9,99.9
160	4.362	4.449	4.530	4.568	4.596	4.527	4.507	4.401	150-160	1.985	4094	100,100
170	4.832	4.870	4.886	4.921	4.995	4.916	4.908	4.846	160-170	1.324	4096	100,100
180	5.202	5.165	5.157	5.156	5.209	5.161	5.161	5.149	170-180	0.4782	4096	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2328.6 lm

%lum = 56.9%

%lamp = 56.9%

Conical surface Flux(120deg): 3443.9 lm

%lum = 84.1%

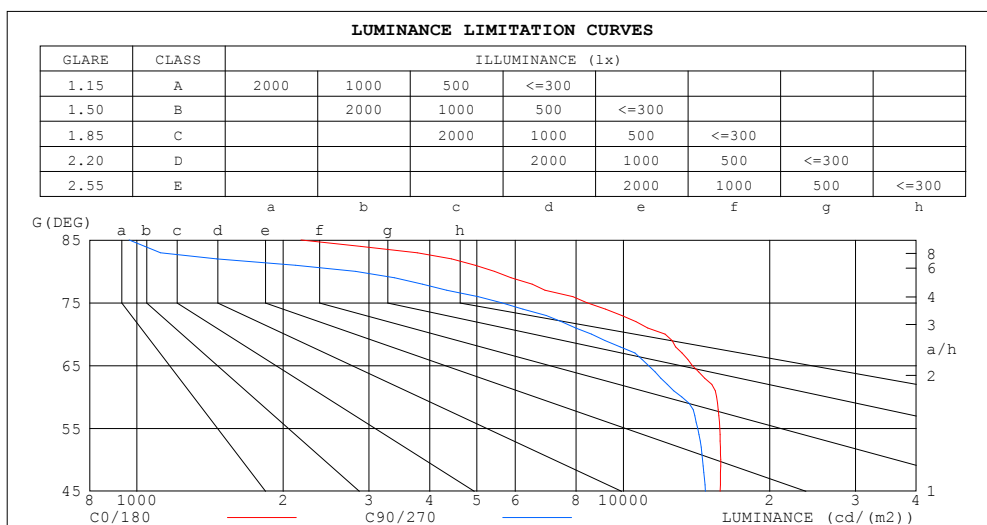
%lamp = 84.1%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:23 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:24.200V I:1.0700A P:25.894W PF:1.0000 Freq:0Hz Lamp Flux:4096x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-110-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	2178	965
80	5430	2815
75	8424	5619
70	12188	8602
65	13863	11259
60	15548	13188
55	15787	14214
50	15851	14559
45	15824	14748

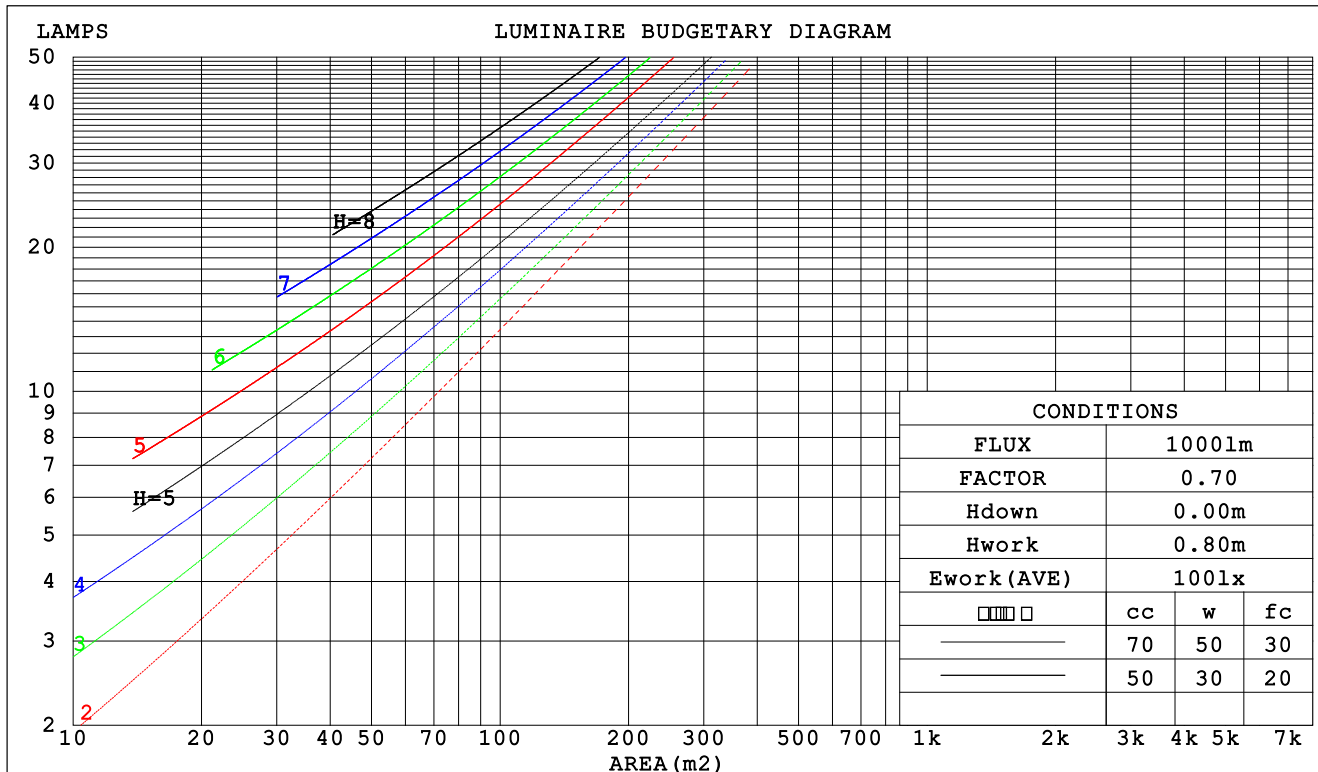
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YZY
Test Date:23 November 2022

☐ 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:24.200V I:1.0700A P:25.894W PF:1.0000 Freq:0Hz Lamp Flux:4096x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-110-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	1.05	1.02	.98	1.03	.90	.96	.99	.96	.93	.95	.93	.90	.91	.89	.88	.86
2.0	.93	.86	.81	.91	.85	.80	.87	.82	.78	.84	.80	.76	.81	.77	.74	.72
3.0	.82	.74	.68	.80	.73	.67	.77	.71	.66	.74	.69	.65	.72	.67	.63	.61
4.0	.72	.64	.57	.71	.63	.57	.69	.62	.56	.66	.60	.55	.64	.59	.55	.53
5.0	.65	.56	.49	.64	.55	.49	.61	.54	.49	.59	.53	.48	.58	.52	.48	.45
6.0	.58	.49	.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	.47	.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	.30	.43	.36	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28
10.0	.41	.33	.28	.40	.33	.27	.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:23 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:24.200V I:1.0700A P:25.894W PF:1.0000 Freq:0Hz Lamp Flux:4096x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-110-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	.278 .158 .050	.271 .154 .049	.257 .148 .047	.245 .141 .045	.234 .135 .044	
2.0	.270 .148 .045	.264 .145 .045	.252 .140 .044	.241 .135 .042	.232 .131 .041	
3.0	.255 .136 .041	.250 .134 .040	.239 .130 .039	.230 .126 .039	.221 .122 .038	
4.0	.238 .124 .036	.234 .122 .036	.224 .119 .036	.216 .116 .035	.208 .113 .034	
5.0	.223 .113 .033	.218 .112 .033	.210 .109 .032	.202 .107 .032	.195 .104 .031	
6.0	.208 .104 .030	.204 .103 .030	.197 .101 .029	.190 .099 .029	.183 .097 .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 .087 .025	.168 .085 .025	.163 .083 .024	
9.0	.171 .083 .023	.168 .082 .023	.163 .081 .023	.158 .079 .023	.154 .078 .023	
10.0	.161 .077 .021	.159 .077 .021	.154 .075 .021	.150 .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 .103	.148 .116 .089	.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	.118 .068 .032	.081 .047 .023	.047 .028 .013	.015 .009 .004	
8.0	.130 .072 .032	.112 .063 .028	.078 .044 .020	.045 .026 .012	.015 .008 .004	
9.0	.125 .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:23 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:24.200V I:1.0700A P:25.894W PF:1.0000 Freq:0Hz Lamp Flux:4096x1 lm										
NAME: Round X2 Series DC					TYPE:Floodlight			WEIGHT:N/A		
SPEC.:RND-25-24-5K-110-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	18.2	19.6	18.4	19.8	20.1	17.6	19.1	17.9	19.3	19.5
3H	19.4	20.8	19.7	21.0	21.3	18.6	20.0	18.9	20.2	20.4
4H	19.7	21.0	20.0	21.3	21.5	18.8	20.1	19.1	20.3	20.6
6H	19.8	21.0	20.1	21.3	21.6	18.8	20.0	19.1	20.3	20.5
8H	19.8	21.0	20.1	21.2	21.5	18.7	19.9	19.1	20.2	20.5
12H	19.8	20.9	20.1	21.2	21.5	18.7	19.8	19.0	20.1	20.4
4H 2H	18.7	20.0	19.0	20.2	20.5	18.3	19.5	18.6	19.8	20.1
3H	20.1	21.2	20.4	21.5	21.8	19.4	20.5	19.7	20.8	21.1
4H	20.4	21.4	20.8	21.8	22.1	19.6	20.6	20.0	21.0	21.3
6H	20.6	21.5	21.0	21.8	22.2	19.7	20.5	20.1	20.9	21.3
8H	20.6	21.4	21.0	21.8	22.2	19.6	20.5	20.0	20.8	21.2
12H	20.6	21.3	21.0	21.7	22.1	19.6	20.3	20.0	20.7	21.1
8H 4H	20.5	21.3	20.9	21.7	22.1	19.7	20.6	20.2	20.9	21.3
6H	20.7	21.4	21.1	21.8	22.2	19.8	20.5	20.3	20.9	21.4
8H	20.7	21.3	21.2	21.8	22.2	19.8	20.4	20.3	20.8	21.3
12H	20.7	21.2	21.2	21.7	22.2	19.8	20.3	20.3	20.7	21.2
12H 4H	20.5	21.2	20.9	21.6	22.0	19.7	20.5	20.1	20.9	21.3
6H	20.7	21.3	21.1	21.7	22.2	19.8	20.4	20.3	20.8	21.3
8H	20.7	21.2	21.2	21.7	22.2	19.8	20.3	20.3	20.8	21.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
1.5H	+ 0.3 / - 0.4					+ 0.4 / - 0.6				
2.0H	+ 0.3 / - 0.5					+ 0.3 / - 0.7				

 CIE Pub.117, 4096 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 4.9$)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:23 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:24.200V I:1.0700A P:25.894W PF:1.0000 Freq:0Hz Lamp Flux:4096x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-110-X2-CG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

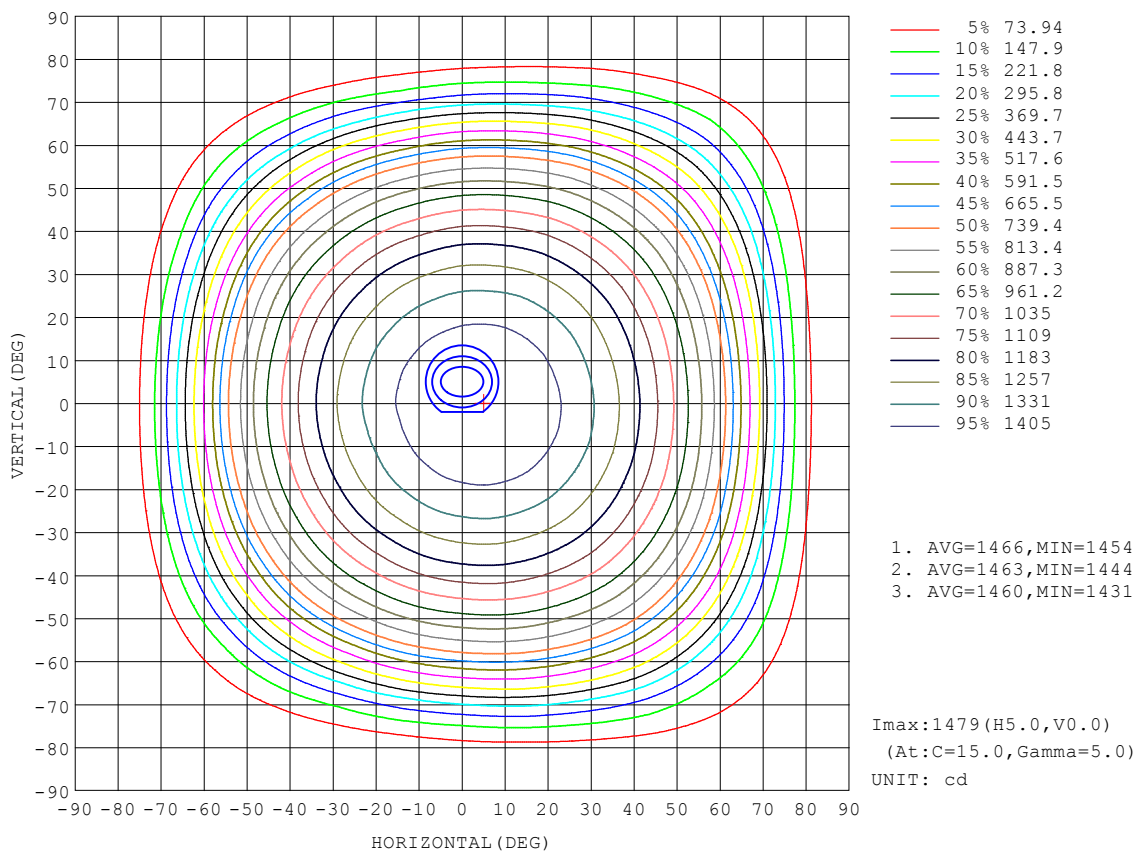
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	47	40	58	47	40	56	46	40	33
0.80	69	58	50	68	57	50	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	85	78	73	65
2.00	97	89	83	95	88	82	92	85	81	73
2.50	101	93	88	99	92	87	95	89	85	77
3.00	104	98	92	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					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:23 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:24.200V I:1.0700A P:25.894W PF:1.0000 Freq:0Hz Lamp Flux:4096x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-110-X2-CG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A



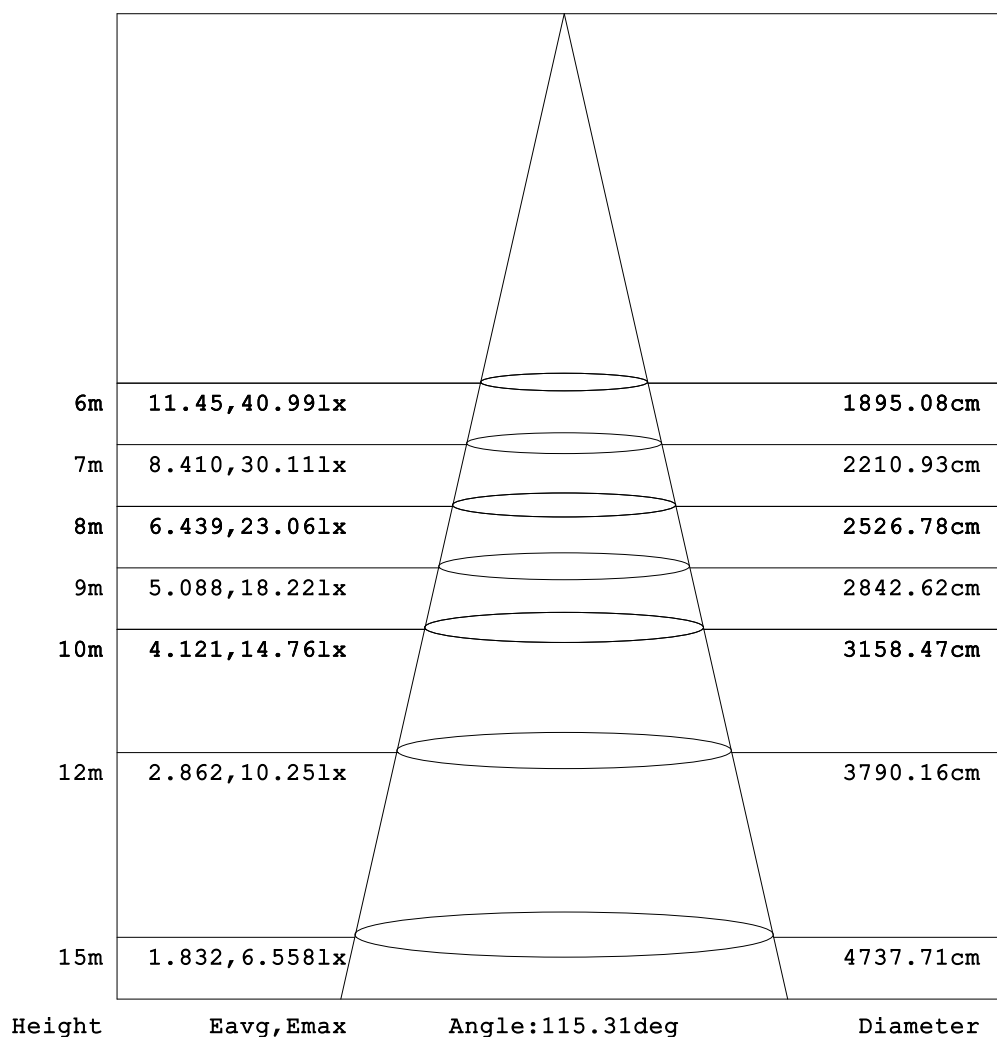
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:23 November 2022

☐ 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:24.200V I:1.0700A P:25.894W PF:1.0000 Freq:0Hz Lamp Flux:4096x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-110-X2-CG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

Flux out:3316 lm



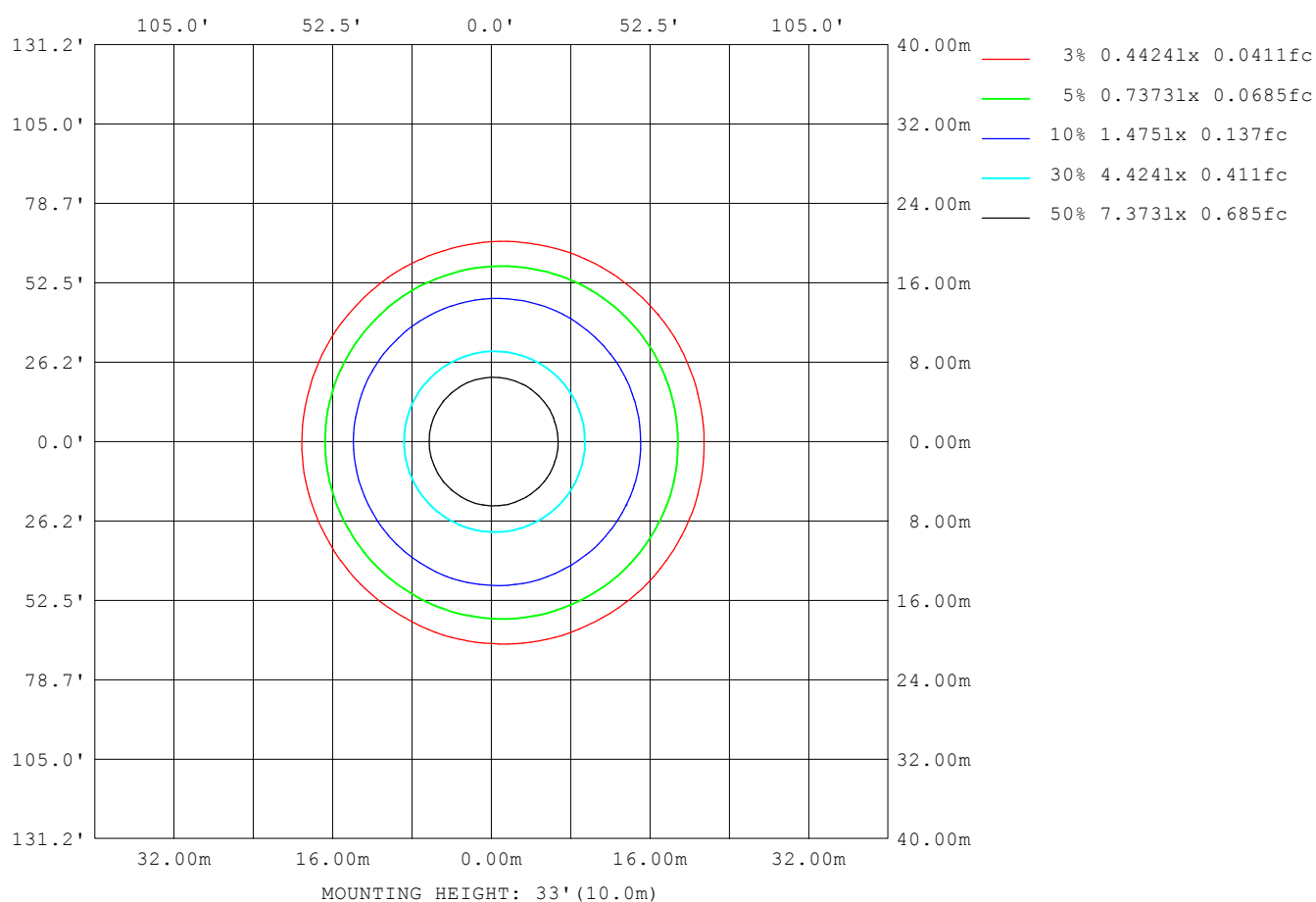
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:23 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:24.200V I:1.0700A P:25.894W PF:1.0000 Freq:0Hz Lamp Flux:4096x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-110-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:23 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:24.200V I:1.0700A P:25.894W PF:1.0000 Freq:0Hz Lamp Flux:4096x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-110-X2-CG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

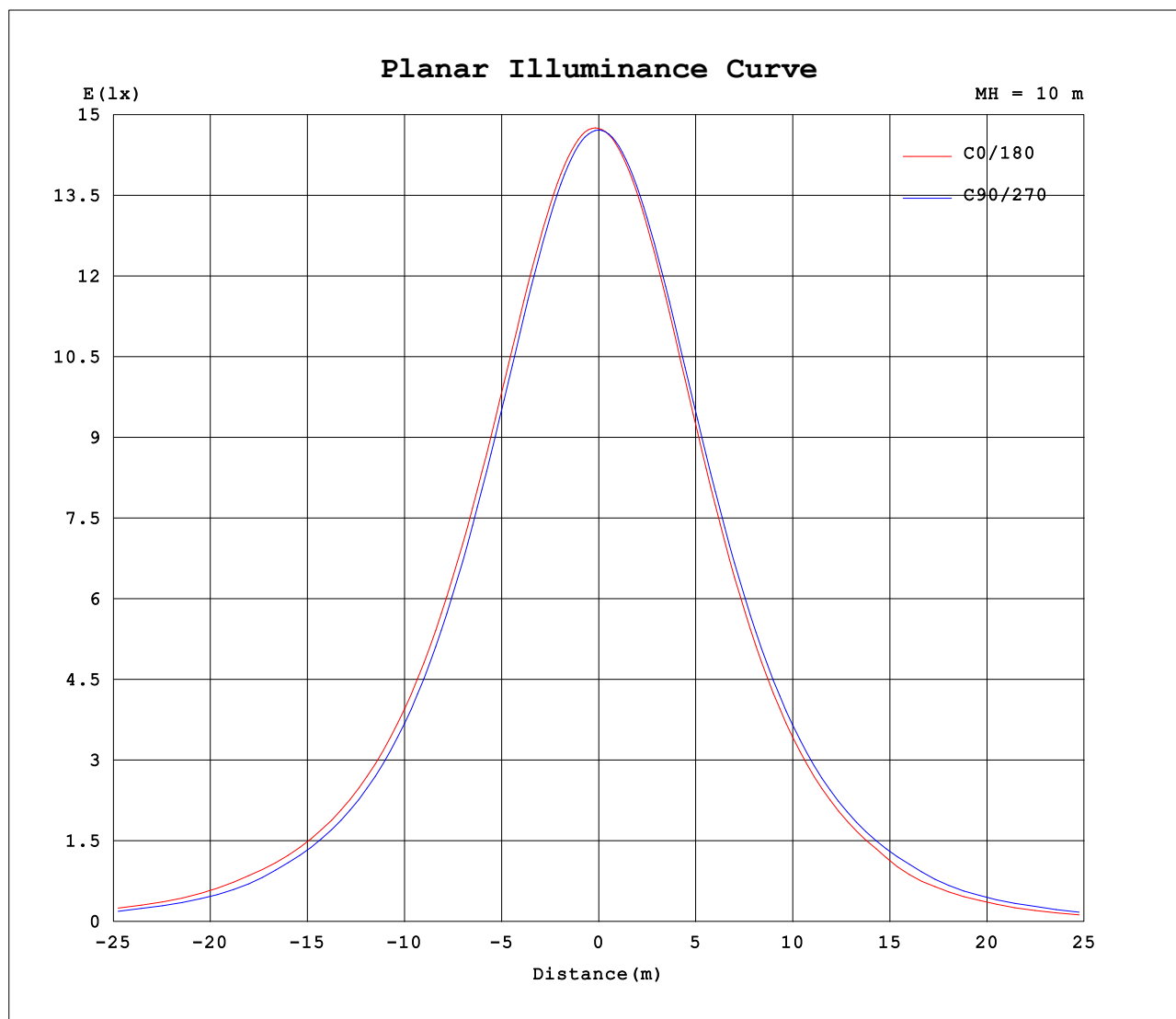
AvgL	cd/m2
L_0~180 (65) av	10987
L_0~180 (75) av	5635
L_0~180 (85) av	1192
L_90~270 (65) av	10993
L_90~270 (75) av	5381
L_90~270 (85) av	903
L_45 (65) av	11031
L_45 (75) av	5573
L_45 (85) av	972

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:23 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: 23 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:24.200V I:1.0700A P:25.894W PF:1.0000 Freq:0Hz Lamp Flux:4096x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-110-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	1472	1472	1472	1472	1472	1472	1472	1472	1472	1472	1472	1472	1472	1472	1472	1472	1472	1472	1472
5	1476	1477	1476	1475	1473	1471	1469	1467	1464	1463	1461	1461	1461	1461	1462	1463	1464	1466	1468
10	1469	1470	1468	1466	1463	1459	1455	1451	1446	1443	1440	1439	1439	1439	1441	1442	1445	1448	1452
15	1452	1453	1451	1448	1442	1436	1429	1424	1417	1412	1408	1406	1406	1406	1409	1411	1416	1420	1427
20	1425	1426	1422	1418	1410	1402	1393	1386	1377	1371	1363	1361	1363	1363	1366	1370	1375	1381	1390
25	1386	1388	1383	1377	1367	1358	1346	1337	1326	1318	1310	1307	1308	1308	1313	1316	1324	1331	1342
30	1337	1338	1332	1326	1314	1303	1289	1277	1263	1254	1245	1242	1242	1242	1247	1251	1261	1270	1284
35	1277	1278	1271	1263	1249	1237	1220	1206	1189	1178	1168	1164	1163	1164	1169	1175	1186	1197	1213
40	1203	1205	1198	1188	1173	1158	1138	1122	1102	1090	1078	1073	1072	1072	1079	1084	1099	1110	1130
45	1117	1120	1112	1101	1083	1065	1043	1026	1004	989	974	969	968	967	975	981	996	1011	1033
50	1017	1021	1011	1001	979	962	936	917	893	875	859	853	850	850	857	865	882	900	923
55	904	908	898	886	864	844	816	794	767	749	730	721	720	716	727	736	755	774	799
60	776	781	770	758	733	706	660	622	582	558	534	525	520	520	528	542	568	592	632
65	585	590	579	563	537	511	476	449	415	391	361	345	344	342	358	374	399	422	453
70	416	411	402	389	357	329	294	266	237	217	192	187	184	182	192	199	222	241	272
75	218	225	213	205	187	173	146	127	103	94.1	80.4	76.8	74.0	71.2	75.5	82.6	95.5	112	133
80	94.1	94.4	90.5	82.9	70.0	59.4	48.9	35.1	24.3	18.6	14.9	14.1	13.5	13.2	14.2	16.2	21.8	27.5	38.0
85	18.9	20.4	17.6	14.8	12.3	10.6	8.41	6.64	4.61	3.54	2.54	2.21	1.83	1.70	2.20	2.65	3.90	5.19	7.33
90	3.59	3.69	3.12	2.58	1.63	0.99	0.64	0.54	0.51	0.49	0.50	0.50	0.44	0.43	0.43	0.42	0.40	0.41	0.42
95	0.51	0.49	0.50	0.48	0.49	0.49	0.52	0.55	0.59	0.62	0.66	0.68	0.65	0.65	0.64	0.62	0.58	0.54	0.50
100	0.60	0.60	0.61	0.63	0.66	0.70	0.76	0.81	0.87	0.92	0.97	0.99	0.97	0.97	0.95	0.92	0.87	0.83	0.76
105	0.87	0.87	0.89	0.91	0.96	1.01	1.09	1.15	1.23	1.29	1.35	1.37	1.36	1.36	1.33	1.30	1.24	1.18	1.10
110	1.23	1.22	1.25	1.28	1.33	1.39	1.48	1.56	1.64	1.70	1.77	1.80	1.78	1.79	1.75	1.72	1.65	1.59	1.50
115	1.63	1.62	1.65	1.68	1.74	1.82	1.91	1.99	2.08	2.14	2.20	2.24	2.22	2.22	2.19	2.15	2.08	2.02	1.93
120	2.05	2.04	2.07	2.10	2.18	2.26	2.36	2.44	2.52	2.57	2.63	2.66	2.64	2.64	2.61	2.58	2.52	2.46	2.38
125	2.46	2.45	2.48	2.52	2.60	2.69	2.80	2.87	2.93	2.97	3.01	3.05	3.02	3.02	2.99	2.97	2.92	2.88	2.81
130	2.84	2.83	2.86	2.91	3.00	3.09	3.19	3.26	3.31	3.33	3.35	3.38	3.35	3.34	3.33	3.31	3.28	3.25	3.18
135	3.18	3.17	3.20	3.26	3.34	3.44	3.52	3.58	3.62	3.63	3.63	3.65	3.62	3.61	3.60	3.58	3.57	3.54	3.49
140	3.46	3.46	3.50	3.55	3.63	3.71	3.78	3.84	3.86	3.86	3.85	3.86	3.83	3.82	3.81	3.81	3.81	3.79	3.74
145	3.70	3.72	3.75	3.81	3.88	3.95	4.00	4.05	4.07	4.07	4.05	4.05	4.03	4.01	4.01	4.00	4.02	4.00	3.96
150	3.92	3.95	3.98	4.04	4.09	4.15	4.19	4.23	4.24	4.25	4.22	4.22	4.21	4.18	4.18	4.18	4.20	4.18	4.15
155	4.14	4.17	4.20	4.24	4.29	4.33	4.36	4.40	4.40	4.40	4.39	4.39	4.40	4.36	4.36	4.35	4.36	4.35	4.33
160	4.36	4.40	4.41	4.45	4.47	4.51	4.53	4.57	4.56	4.57	4.56	4.57	4.60	4.54	4.54	4.53	4.54	4.53	4.51
165	4.60	4.62	4.63	4.65	4.67	4.70	4.71	4.74	4.73	4.74	4.74	4.76	4.80	4.75	4.74	4.72	4.73	4.72	4.71
170	4.83	4.85	4.85	4.87	4.86	4.88	4.89	4.91	4.90	4.92	4.91	4.94	5.00	4.96	4.94	4.92	4.92	4.91	4.91
175	5.05	5.06	5.06	5.05	5.03	5.05	5.05	5.07	5.06	5.08	5.08	5.11	5.15	5.13	5.11	5.08	5.09	5.07	5.07
180	5.20	5.21	5.17	5.17	5.16	5.16	5.16	5.16	5.15	5.16	5.16	5.18	5.21	5.20	5.18	5.16	5.16	5.16	5.16

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YZY
Test Date:23 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:24.200V I:1.0700A P:25.894W PF:1.0000 Freq:0Hz Lamp Flux:4096x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-25-24-5K-110-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	1472	1472	1472	1472	1472														
5	1470	1472	1473	1475	1476														
10	1456	1461	1464	1467	1469														
15	1432	1439	1444	1449	1451														
20	1398	1407	1414	1420	1423														
25	1352	1364	1372	1380	1384														
30	1294	1310	1320	1329	1334														
35	1227	1244	1256	1267	1273														
40	1145	1166	1179	1193	1199														
45	1051	1074	1089	1105	1113														
50	944	969	985	1002	1013														
55	823	851	868	888	899														
60	670	715	738	760	771														
65	480	514	537	565	576														
70	299	330	364	396	407														
75	151	171	195	216	219														
80	51.6	66.3	72.2	84.1	90.2														
85	9.07	11.3	12.9	16.0	17.4														
90	0.55	1.07	1.78	2.72	3.13														
95	0.46	0.43	0.41	0.39	0.40														
100	0.71	0.65	0.61	0.58	0.56														
105	1.04	0.96	0.92	0.87	0.84														
110	1.43	1.34	1.28	1.23	1.20														
115	1.85	1.75	1.69	1.62	1.60														
120	2.28	2.18	2.10	2.04	2.01														
125	2.71	2.60	2.52	2.44	2.41														
130	3.09	2.98	2.90	2.82	2.79														
135	3.41	3.32	3.23	3.15	3.12														
140	3.67	3.60	3.51	3.44	3.40														
145	3.90	3.85	3.76	3.70	3.65														
150	4.10	4.06	3.98	3.93	3.88														
155	4.28	4.25	4.20	4.16	4.11														
160	4.47	4.44	4.40	4.38	4.35														
165	4.67	4.65	4.62	4.61	4.59														
170	4.88	4.87	4.85	4.84	4.83														
175	5.05	5.05	5.03	5.05	5.04														
180	5.16	5.16	5.15	5.16	5.18														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:23 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: