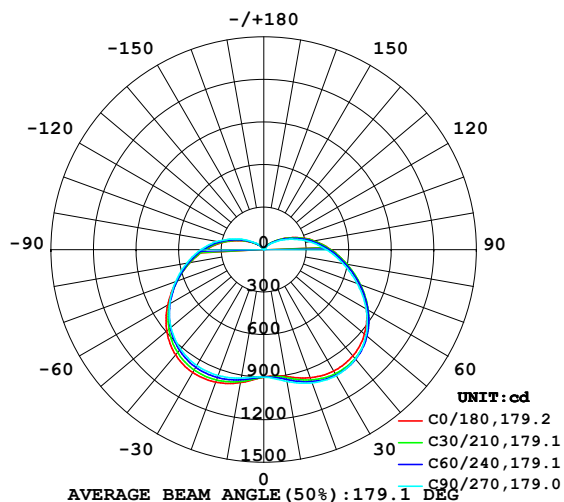


LUMINAIRE PHOTOMETRIC TEST REPORT

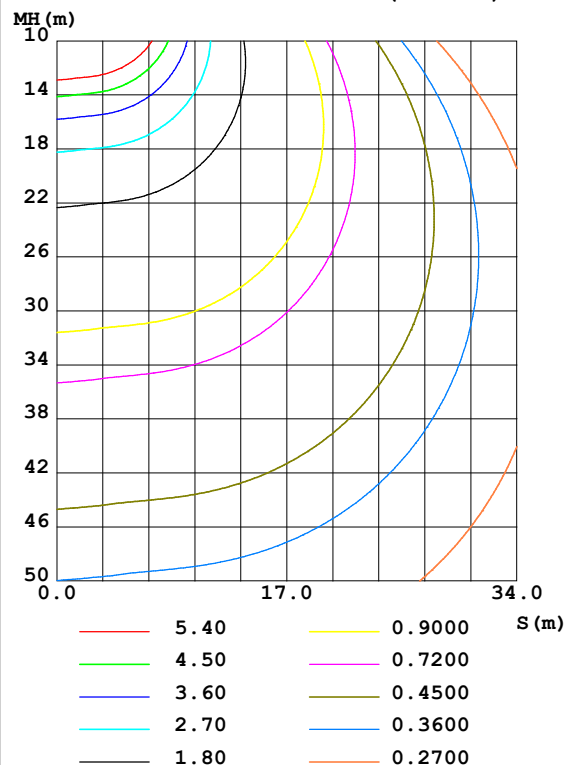
Test:U:24.200V I:1.9500A P:47.190W PF:1.0000 Freq:0Hz Lamp Flux:5906.59x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-45-24-5K-180-X2-DLG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.17 lm/W			
MODEL	N/A	I _{max} (cd)	1025	S/MH(C0/180)	1.64
NOMINAL POWER(W)	45	LOR(%)	100.0	S/MH(C90/270)	1.57
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	5906.6	□ UP,DN(C0-180)	8.9,42.2
NOMINAL FLUX(lm)	5906.59	CIE CLASS	SEMI-D.	□ UP,DN(C180-360)	8.7,40.2
LAMPS INSIDE	1	□ up(%)	17.6	CIBSE SHR NOM	1.75
TEST VOLTAGE(V)	24	□ down(%)	82.4	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:04 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	908.6	921.9	942.9	954.2	952.5	938.4	919.5	907.4	0- 10	87.44	87.44	1.48,1.48
20	960.9	983.6	999.9	1004	993.9	968.7	944.6	941.5	10- 20	271.2	358.6	6.07,6.07
30	988.4	1017	1025	1019	1001	969.4	944.5	952.4	20- 30	456.1	814.7	13.8,13.8
40	978.2	1007	1006	990.3	968.3	935.1	914.5	931.9	30- 40	616.0	1431	24.2,24.2
50	927.5	952.4	941.3	916.5	893.0	864.8	854.6	880.0	40- 50	726.0	2157	36.5,36.5
60	836.1	852.9	833.9	803.7	782.9	764.7	767.5	796.1	50- 60	767.5	2924	49.5,49.5
70	719.3	727.0	702.2	671.3	655.3	648.8	662.3	690.7	60- 70	739.3	3664	62,62
80	594.1	593.9	567.1	539.3	528.3	531.7	551.7	576.8	70- 80	657.7	4321	73.2,73.2
90	474.3	468.9	443.6	419.2	410.2	419.5	444.4	465.4	80- 90	546.8	4868	82.4,82.4
100	363.4	355.6	330.9	304.2	295.8	307.8	337.0	358.6	90-100	423.1	5291	89.6,89.6
110	250.8	242.4	218.4	197.2	189.8	199.2	223.7	243.6	100-110	291.1	5582	94.5,94.5
120	156.2	150.3	132.1	115.1	108.4	115.2	134.1	150.2	110-120	174.0	5756	97.5,97.5
130	85.80	81.75	71.48	61.79	57.10	60.28	70.41	82.16	120-130	89.61	5846	99,99
140	43.99	41.60	32.42	27.72	24.65	26.28	29.18	40.90	130-140	39.79	5886	99.6,99.6
150	20.25	19.76	11.96	13.27	10.73	11.70	14.11	19.07	140-150	14.62	5900	99.9,99.9
160	6.440	5.830	4.287	4.171	4.313	4.253	4.317	5.181	150-160	4.386	5905	100,100
170	4.741	4.797	4.884	4.993	5.202	5.102	5.133	4.801	160-170	1.301	5906	100,100
180	6.234	6.010	6.050	6.041	6.238	6.010	6.054	6.043	170-180	0.5000	5907	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1784 lm

%lum = 30.2%

%lamp = 30.2%

Conical surface Flux(120deg): 2924.3 lm

%lum = 49.5%

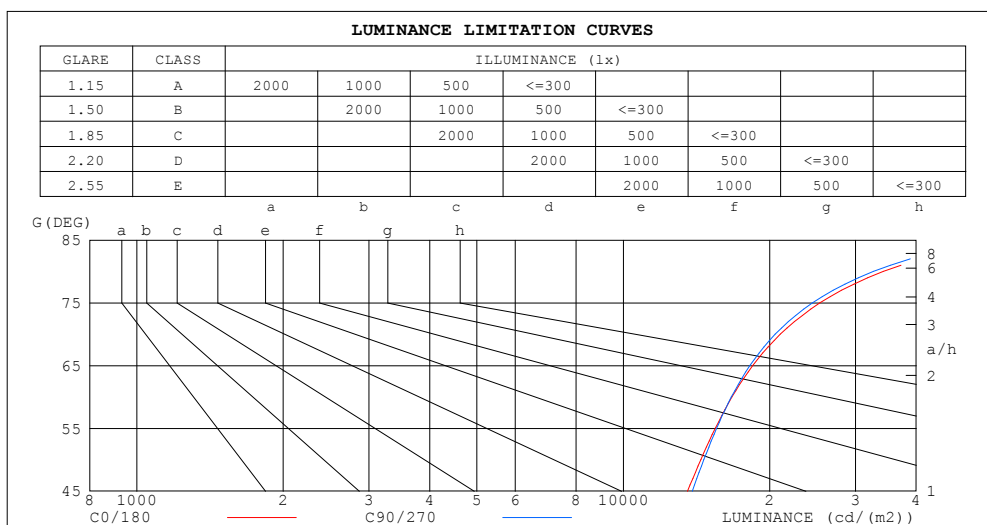
%lamp = 49.5%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:04 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:24.200V I:1.9500A P:47.190W PF:1.0000 Freq:0Hz Lamp Flux:5906.59x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-45-24-5K-180-X2-DLG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A



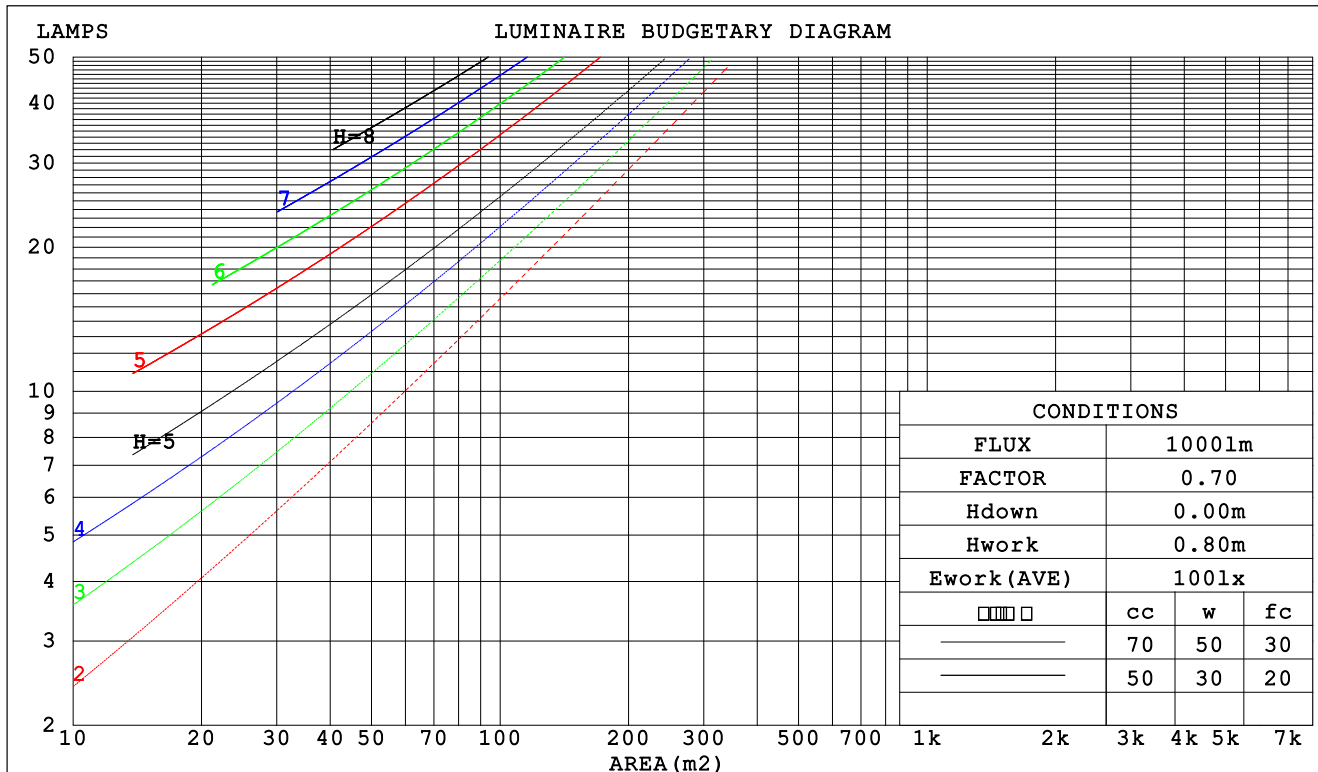
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YZY
Test Date:04 December 2022

☐ 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:24.200V I:1.9500A P:47.190W PF:1.0000 Freq:0Hz Lamp Flux:5906.59x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-45-24-5K-180-X2-DLG-*	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	.82														
1.0	.94	.88	.83	.90	.85	.80	.82	.78	.74	.75	.72	.69	.69	.66	.64	.60														
2.0	.80	.71	.64	.76	.68	.62	.70	.63	.58	.63	.58	.54	.58	.54	.50	.47														
3.0	.68	.59	.51	.65	.57	.50	.60	.53	.47	.55	.49	.44	.50	.45	.41	.37														
4.0	.60	.50	.42	.57	.48	.41	.52	.45	.38	.48	.41	.36	.44	.38	.34	.31														
5.0	.53	.43	.35	.50	.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	.26	.21	.31	.25	.20	.29	.23	.19	.17														
9.0	.35	.26	.20	.34	.25	.20	.31	.24	.19	.29	.22	.18	.26	.21	.17	.15														
10.0	.32	.24	.18	.31	.23	.18	.29	.22	.17	.26	.20	.16	.24	.19	.15	.13														



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:04 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:24.200V I:1.9500A P:47.190W PF:1.0000 Freq:0Hz Lamp Flux:5906.59x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-45-24-5K-180-X2-DLG-*	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	.405 .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 .088 .025	.166 .084 .024	.155 .079 .023	
9.0	.182 .088 .025	.176 .086 .024	.165 .081 .023	.154 .077 .022	.144 .073 .021	
10.0	.170 .081 .023	.165 .079 .022	.154 .076 .021	.144 .072 .020	.135 .068 .019	

□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	.109 .109 .109	.035 .035 .035	
1.0	.323 .290 .261	.276 .249 .225	.189 .171 .155	.109 .099 .090	.035 .032 .029	
2.0	.317 .268 .226	.271 .230 .196	.186 .159 .136	.107 .093 .080	.034 .030 .026	
3.0	.309 .251 .205	.265 .217 .178	.182 .151 .125	.105 .088 .073	.034 .029 .024	
4.0	.302 .239 .191	.259 .206 .166	.178 .144 .117	.103 .084 .069	.033 .027 .023	
5.0	.294 .229 .182	.252 .198 .158	.174 .139 .112	.101 .081 .066	.032 .027 .022	
6.0	.286 .221 .175	.246 .192 .152	.170 .134 .108	.098 .079 .064	.032 .026 .021	
7.0	.279 .215 .170	.240 .186 .148	.166 .131 .105	.096 .077 .062	.031 .025 .021	
8.0	.272 .209 .166	.234 .182 .145	.162 .127 .103	.094 .075 .061	.030 .025 .020	
9.0	.265 .204 .163	.229 .177 .142	.158 .125 .101	.092 .074 .060	.030 .024 .020	
10.0	.259 .200 .161	.224 .174 .140	.155 .122 .100	.090 .072 .060	.029 .024 .020	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:04 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:24.200V I:1.9500A P:47.190W PF:1.0000 Freq:0Hz Lamp Flux:5906.59x1 lm										
NAME: Round X2 Series DC					TYPE:Floodlight			WEIGHT:N/A		
SPEC.:RND-45-24-5K-180-X2-DLG-*					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	15.5	17.0	16.0	17.5	18.0	15.5	17.0	16.0	17.5	18.0
3H	18.1	19.4	18.6	19.9	20.5	18.0	19.3	18.5	19.9	20.5
4H	19.4	20.7	20.0	21.3	21.9	19.3	20.6	19.9	21.2	21.8
6H	20.9	22.1	21.5	22.7	23.4	20.8	22.0	21.4	22.6	23.2
8H	21.8	22.9	22.4	23.5	24.2	21.6	22.7	22.2	23.3	24.0
12H	22.7	23.8	23.3	24.4	25.1	22.5	23.6	23.1	24.2	24.9
4H 2H	16.4	17.6	16.9	18.2	18.8	16.4	17.6	16.9	18.2	18.8
3H	19.1	20.2	19.7	20.8	21.5	19.1	20.2	19.7	20.8	21.5
4H	20.7	21.7	21.3	22.3	23.0	20.6	21.6	21.2	22.2	22.9
6H	22.3	23.3	23.0	23.9	24.6	22.2	23.1	22.8	23.7	24.5
8H	23.3	24.1	23.9	24.8	25.5	23.1	23.9	23.7	24.6	25.4
12H	24.3	25.1	25.0	25.8	26.6	24.1	24.9	24.8	25.6	26.3
8H 4H	21.2	22.1	21.9	22.8	23.5	21.2	22.0	21.8	22.7	23.4
6H	23.2	23.9	23.9	24.6	25.4	23.1	23.8	23.8	24.5	25.3
8H	24.3	25.0	25.0	25.7	26.5	24.2	24.8	24.9	25.5	26.3
12H	25.6	26.2	26.3	26.9	27.8	25.4	26.0	26.1	26.7	27.5
12H 4H	21.4	22.2	22.0	22.9	23.6	21.3	22.1	22.0	22.8	23.6
6H	23.5	24.1	24.2	24.8	25.6	23.3	24.0	24.0	24.7	25.5
8H	24.7	25.3	25.4	26.0	26.8	24.5	25.1	25.3	25.8	26.7
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, 5907 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 6.2$)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:04 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:24.200V I:1.9500A P:47.190W PF:1.0000 Freq:0Hz Lamp Flux:5906.59x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-45-24-5K-180-X2-DLG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

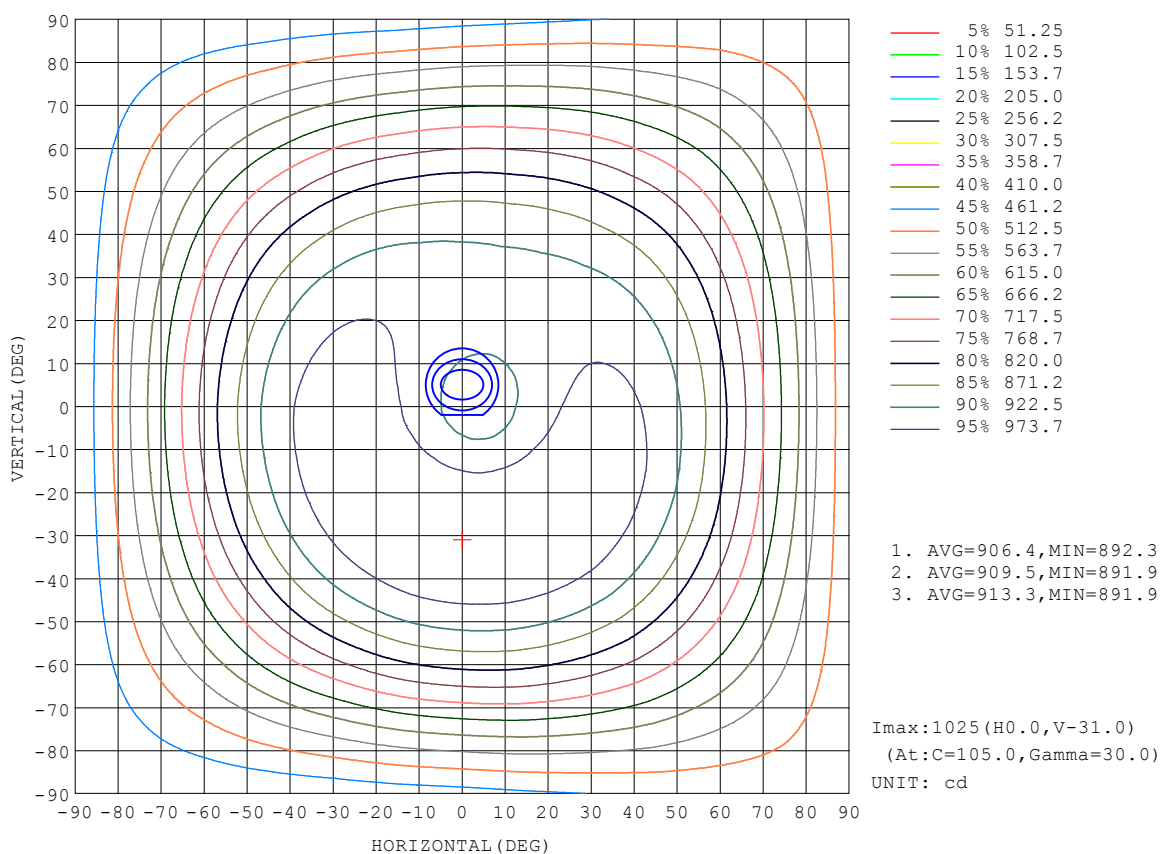
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	45	32	25	44	32	24	42	31	24	17
0.80	54	41	32	53	40	32	50	39	31	23
1.00	62	48	39	60	47	39	57	48	38	29
1.25	69	55	46	67	54	46	62	52	44	34
1.50	74	61	52	72	60	51	67	57	49	39
2.00	82	70	61	79	68	59	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	79	91	84	77	84	78	73	58
5.00	99	91	84	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: 04 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:24.200V I:1.9500A P:47.190W PF:1.0000 Freq:0Hz Lamp Flux:5906.59x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-45-24-5K-180-X2-DLG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A



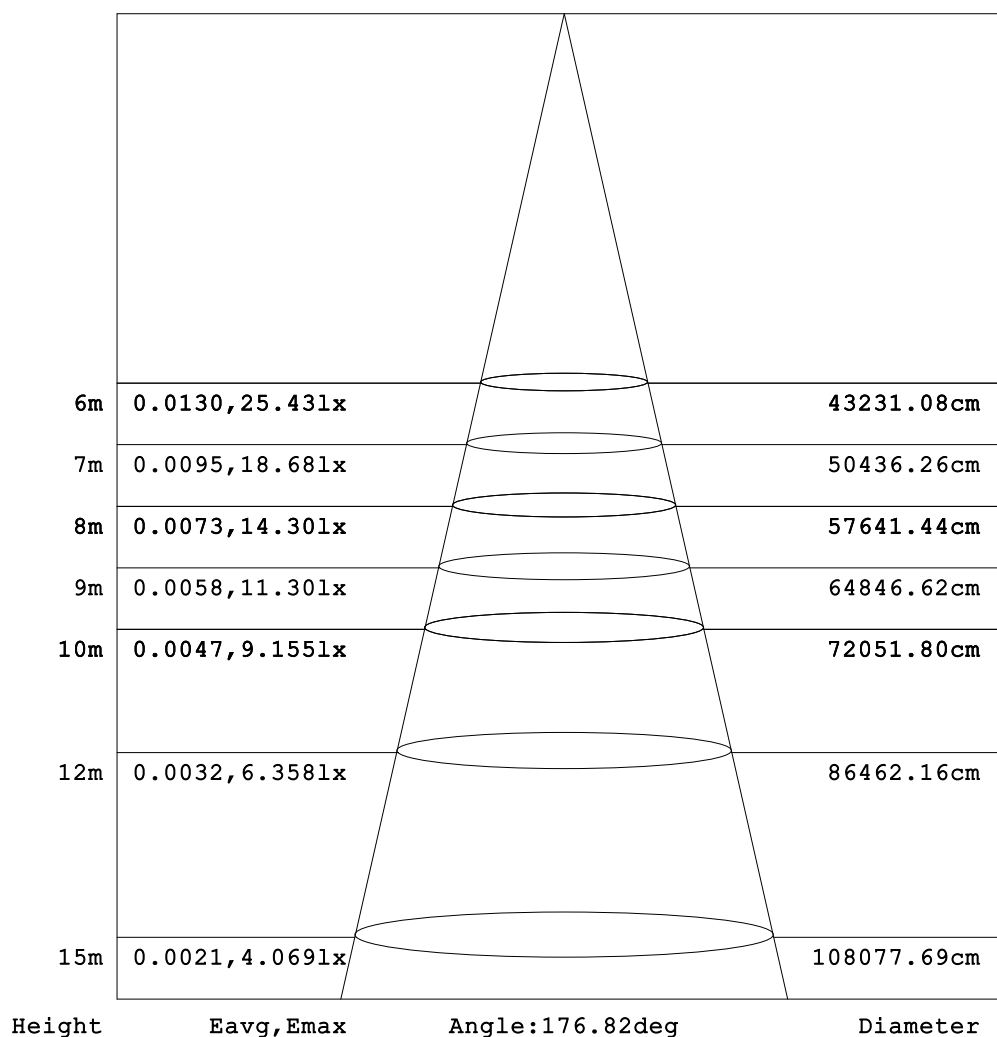
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:04 December 2022

☐ 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:24.200V I:1.9500A P:47.190W PF:1.0000 Freq:0Hz Lamp Flux:5906.59x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-45-24-5K-180-X2-DLG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

Flux out:4819 lm



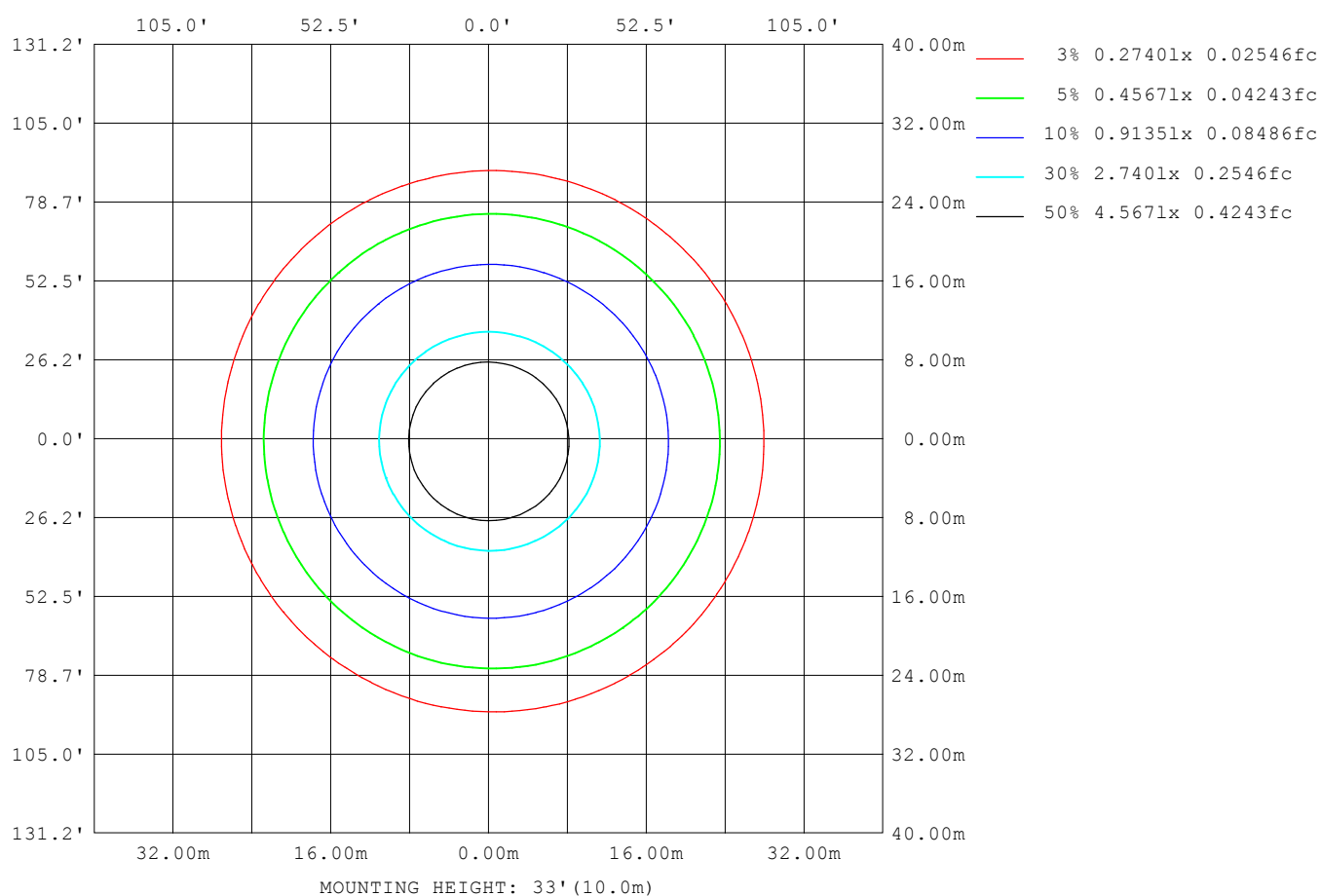
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:04 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:24.200V I:1.9500A P:47.190W PF:1.0000 Freq:0Hz Lamp Flux:5906.59x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-45-24-5K-180-X2-DLG-*	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:04 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:24.200V I:1.9500A P:47.190W PF:1.0000 Freq:0Hz Lamp Flux:5906.59x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-45-24-5K-180-X2-DLG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

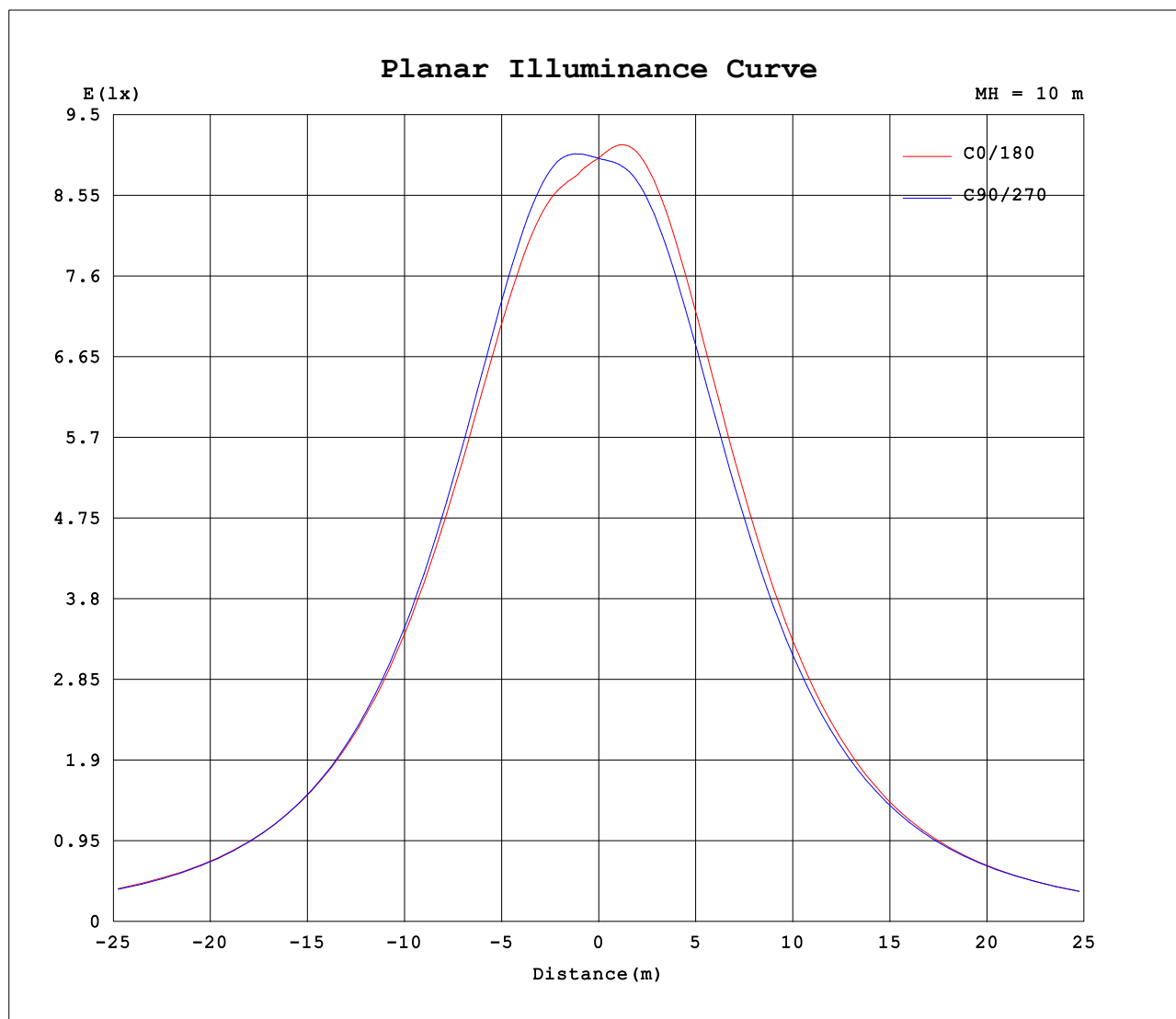
AvgL	cd/m2
L_0~180 (65) av	17742
L_0~180 (75) av	24098
L_0~180 (85) av	57455
L_90~270 (65) av	17580
L_90~270 (75) av	23972
L_90~270 (85) av	57414
L_45 (65) av	17649
L_45 (75) av	24034
L_45 (85) av	57459

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:04 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: 04 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:24.200V I:1.9500A P:47.190W PF:1.0000 Freq:0Hz Lamp Flux:5906.59x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-45-24-5K-180-X2-DLG-*	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	899	899	899	899	899	899	899	899	899	899	899	899	899	899	899	899	899	899	899
5	894	896	898	900	905	909	914	917	921	923	924	924	923	922	919	916	912	908	903
10	909	911	916	922	930	936	943	948	952	954	955	954	952	949	944	938	932	926	920
15	936	941	948	954	962	968	974	978	981	982	982	980	977	971	964	957	949	942	935
20	961	968	977	984	990	995	1000	1003	1004	1004	1002	998	994	986	978	969	959	951	945
25	979	989	998	1005	1011	1014	1017	1019	1018	1017	1013	1008	1002	993	984	973	963	954	948
30	988	1000	1010	1017	1021	1024	1025	1025	1022	1019	1014	1008	1001	991	981	969	959	950	944
35	988	1001	1011	1018	1020	1021	1021	1019	1015	1010	1003	997	990	979	968	957	947	938	933
40	978	992	1001	1007	1009	1009	1006	1003	996	990	982	975	968	957	947	935	926	918	914
45	958	972	981	986	986	984	980	975	966	959	950	942	936	925	915	905	897	890	888
50	928	940	948	952	951	948	941	935	925	916	906	899	893	882	874	865	859	854	855
55	886	898	904	907	904	900	892	885	873	864	853	847	841	831	825	818	814	811	814
60	836	846	851	853	848	844	834	826	813	804	793	787	783	775	770	765	764	763	767
65	780	788	791	792	786	780	770	761	747	738	728	723	720	713	711	708	709	710	716
70	719	726	727	727	720	714	702	693	680	671	662	658	655	650	650	649	652	655	662
75	657	662	661	660	653	646	634	625	612	604	596	592	591	588	589	590	595	598	607
80	594	598	596	594	586	579	567	559	546	539	532	529	528	527	529	532	538	543	552
85	533	536	533	530	522	515	503	496	484	478	471	469	468	468	472	475	483	488	497
90	474	476	472	469	462	454	444	436	426	419	413	411	410	411	415	419	428	434	444
95	418	418	414	411	403	396	386	379	369	363	357	355	355	356	361	366	374	381	391
100	363	363	359	356	348	342	331	322	311	304	297	296	296	296	302	308	317	325	337
105	308	307	303	299	290	282	271	263	253	247	241	240	239	240	245	250	259	267	278
110	251	251	246	242	235	228	218	211	202	197	192	190	190	190	195	199	207	214	224
115	200	200	197	193	186	181	172	166	158	154	149	147	147	147	151	154	162	168	176
120	156	156	153	150	144	139	132	126	120	115	111	109	108	109	111	115	121	127	134
125	118	117	115	112	108	103	97.5	92.4	87.3	84.1	81.4	79.8	78.8	78.9	80.6	83.4	86.5	92.0	97.5
130	85.8	85.2	83.9	81.8	78.8	75.3	71.5	67.2	63.1	61.8	58.9	58.0	57.1	56.8	58.5	60.3	62.2	66.1	70.4
135	62.9	62.8	61.4	60.0	56.9	53.7	49.6	46.5	43.3	42.7	40.4	39.6	38.9	38.6	39.9	41.3	41.9	44.1	48.0
140	44.0	44.0	42.8	41.6	38.9	35.8	32.4	30.2	27.9	27.7	26.0	25.3	24.7	24.4	25.4	26.3	26.2	26.4	29.2
145	28.8	28.9	27.9	27.1	25.2	22.5	20.8	18.8	19.7	19.8	19.4	19.1	18.9	18.8	19.2	19.5	19.6	17.7	17.8
150	20.3	20.2	19.9	19.8	19.1	18.4	12.0	11.4	14.5	13.3	12.0	11.3	10.7	10.4	11.0	11.7	13.2	12.7	14.1
155	13.5	13.6	13.2	12.8	11.6	10.6	6.67	6.13	6.85	5.94	5.26	4.91	4.63	4.46	4.65	4.96	5.76	5.62	5.77
160	6.44	6.50	6.19	5.83	5.26	4.84	4.29	4.24	4.19	4.17	4.18	4.23	4.31	4.27	4.24	4.25	4.30	4.35	4.32
165	4.34	4.35	4.39	4.35	4.37	4.47	4.54	4.62	4.66	4.59	4.55	4.55	4.68	4.63	4.63	4.71	4.80	4.79	4.69
170	4.74	4.80	4.81	4.80	4.83	4.85	4.88	5.04	5.06	4.99	4.90	4.97	5.20	5.07	5.01	5.10	5.20	5.21	5.13
175	5.27	5.23	5.20	5.19	5.17	5.14	5.19	5.31	5.34	5.26	5.21	5.43	5.59	5.54	5.36	5.34	5.47	5.49	5.43
180	6.23	6.24	6.16	6.01	6.00	6.04	6.05	6.06	6.05	6.04	6.07	6.28	6.24	6.24	6.16	6.01	6.01	6.05	6.05

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YZY
Test Date:04 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:24.200V I:1.9500A P:47.190W PF:1.0000 Freq:0Hz Lamp Flux:5906.59x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-45-24-5K-180-X2-DLG-*	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	899	899	899	899	899														
5	900	896	894	892	893														
10	915	910	907	905	906														
15	930	927	926	927	931														
20	941	939	942	945	953														
25	945	946	951	958	969														
30	943	945	952	963	976														
35	933	937	946	959	974														
40	915	921	932	947	963														
45	890	898	910	926	943														
50	858	867	880	897	914														
55	819	829	841	858	874														
60	773	784	796	812	825														
65	723	734	745	760	771														
70	670	681	691	704	713														
75	615	625	634	645	652														
80	560	569	577	586	591														
85	505	514	520	528	532														
90	452	460	465	472	474														
95	398	406	411	417	418														
100	345	354	359	364	364														
105	285	294	300	306	307														
110	231	239	244	249	250														
115	182	190	194	199	200														
120	140	146	150	155	156														
125	103	108	112	115	117														
130	74.5	78.5	82.2	83.9	85.3														
135	51.4	56.1	59.5	61.6	62.4														
140	32.4	38.0	40.9	42.8	43.5														
145	19.3	24.9	26.3	27.7	28.3														
150	16.8	19.2	19.1	20.1	20.2														
155	9.45	9.40	11.5	12.9	13.1														
160	4.33	4.84	5.18	5.83	6.15														
165	4.56	4.40	4.29	4.29	4.30														
170	5.01	4.91	4.80	4.73	4.73														
175	5.33	5.27	5.25	5.20	5.18														
180	6.06	6.05	6.04	6.07	6.28														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:04 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: