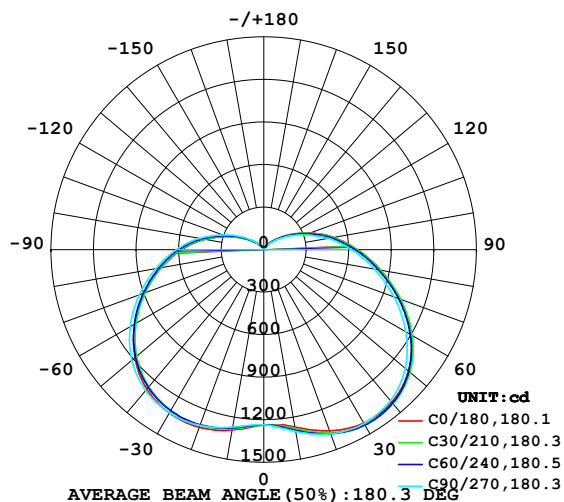


LUMINAIRE PHOTOMETRIC TEST REPORT

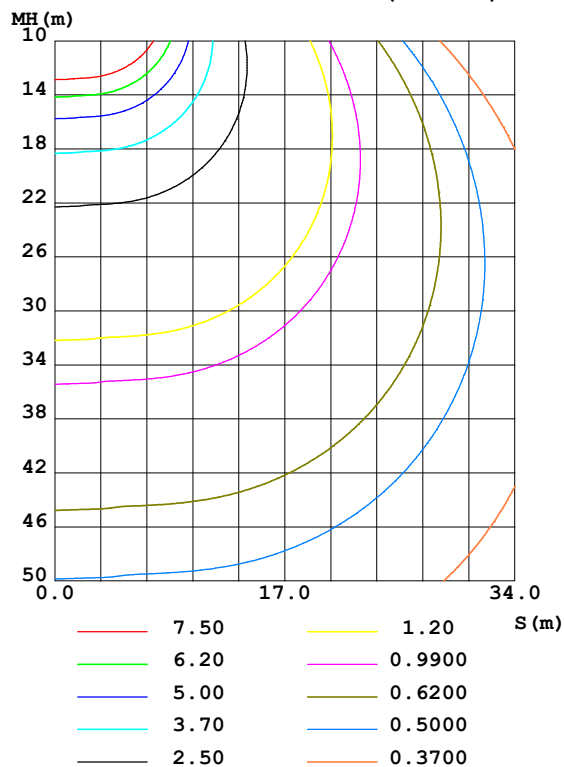
Test:U:24.200V I:2.8300A P:68.486W PF:1.0000 Freq:0Hz Lamp Flux:8229.58x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-24-5K-180-X2-DLG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 120.16 lm/W			
MODEL	N/A	I _{max} (cd)	1433	S/MH(C0/180)	1.60
NOMINAL POWER(W)	65	LOR(%)	100.0	S/MH(C90/270)	1.61
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	8229.6	□ UP,DN(C0-180)	8.9,42.1
NOMINAL FLUX(lm)	8229.58	CIE CLASS	SEMI-D.	□ UP,DN(C180-360)	8.7,40.3
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	1269	1285	1301	1303	1292	1280	1270	1266	0- 10	120.4	120.4	1.46,1.46
20	1360	1378	1381	1363	1333	1314	1319	1337	10- 20	374.6	495.0	6.01,6.01
30	1412	1430	1415	1377	1331	1308	1329	1372	20- 30	631.6	1127	13.7,13.7
40	1404	1419	1390	1338	1283	1260	1296	1353	30- 40	855.0	1982	24.1,24.1
50	1332	1345	1302	1242	1187	1171	1215	1278	40- 50	1010	2992	36.4,36.4
60	1197	1205	1156	1096	1051	1043	1088	1148	50- 60	1070	4062	49.4,49.4
70	1022	1025	977.6	924.9	893.5	893.3	934.6	984.4	60- 70	1033	5094	61.9,61.9
80	836.1	834.1	792.7	751.6	733.4	739.5	773.3	810.7	70- 80	919.9	6014	73.1,73.1
90	661.0	656.0	621.5	588.1	579.2	590.4	618.9	645.3	80- 90	765.0	6779	82.4,82.4
100	501.3	495.0	465.1	431.8	421.9	432.3	463.9	491.4	90-100	591.5	7371	89.6,89.6
110	344.4	337.6	307.9	280.8	272.1	280.8	306.3	331.6	100-110	406.2	7777	94.5,94.5
120	213.9	208.8	186.4	164.9	156.7	163.0	183.6	203.7	110-120	242.7	8020	97.5,97.5
130	116.9	113.2	100.3	87.73	83.02	88.16	97.32	111.0	120-130	125.3	8145	99,99
140	59.08	56.91	45.17	39.34	36.35	39.02	40.44	54.73	130-140	55.59	8201	99.6,99.6
150	26.97	26.61	16.45	18.78	15.83	17.92	20.38	26.29	140-150	20.35	8221	99.9,99.9
160	8.130	7.470	5.833	5.926	6.129	5.977	5.984	6.916	150-160	6.024	8227	100,100
170	6.462	6.552	6.796	7.069	7.360	7.199	7.169	6.602	160-170	1.794	8229	100,100
180	8.659	8.398	8.496	8.483	8.675	8.396	8.508	8.483	170-180	0.6979	8230	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2472.7 lm

%lum = 30.0%

%lamp = 30.0%

Conical surface Flux(120deg): 4061.8 lm

%lum = 49.4%

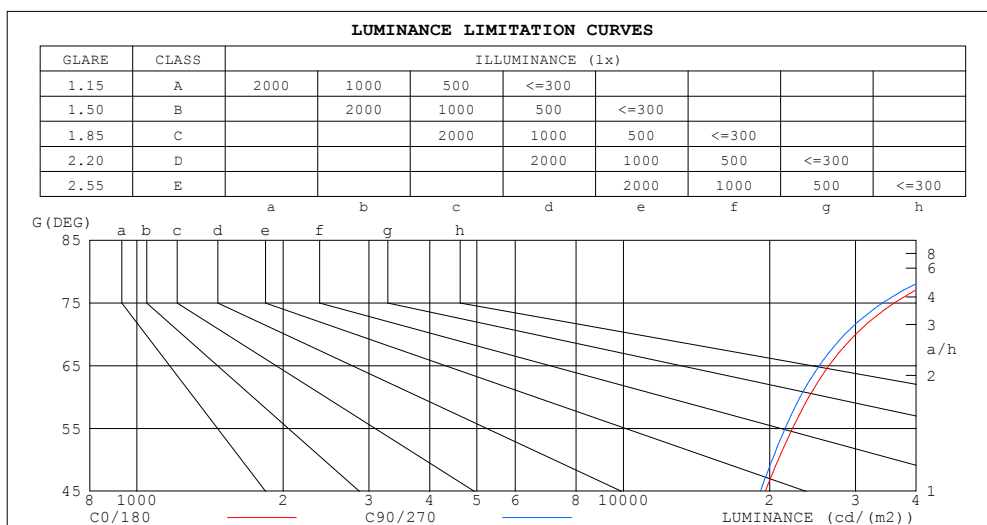
%lamp = 49.4%

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:2.8300A P:68.486W PF:1.0000 Freq:0Hz Lamp Flux:8229.58x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-24-5K-180-X2-DLG-*	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	86111	80898
80	48419	45607
75	36091	34141
70	30056	28557
65	26475	25279
60	24069	23106
55	22280	21513
50	20832	20240
45	19568	19136

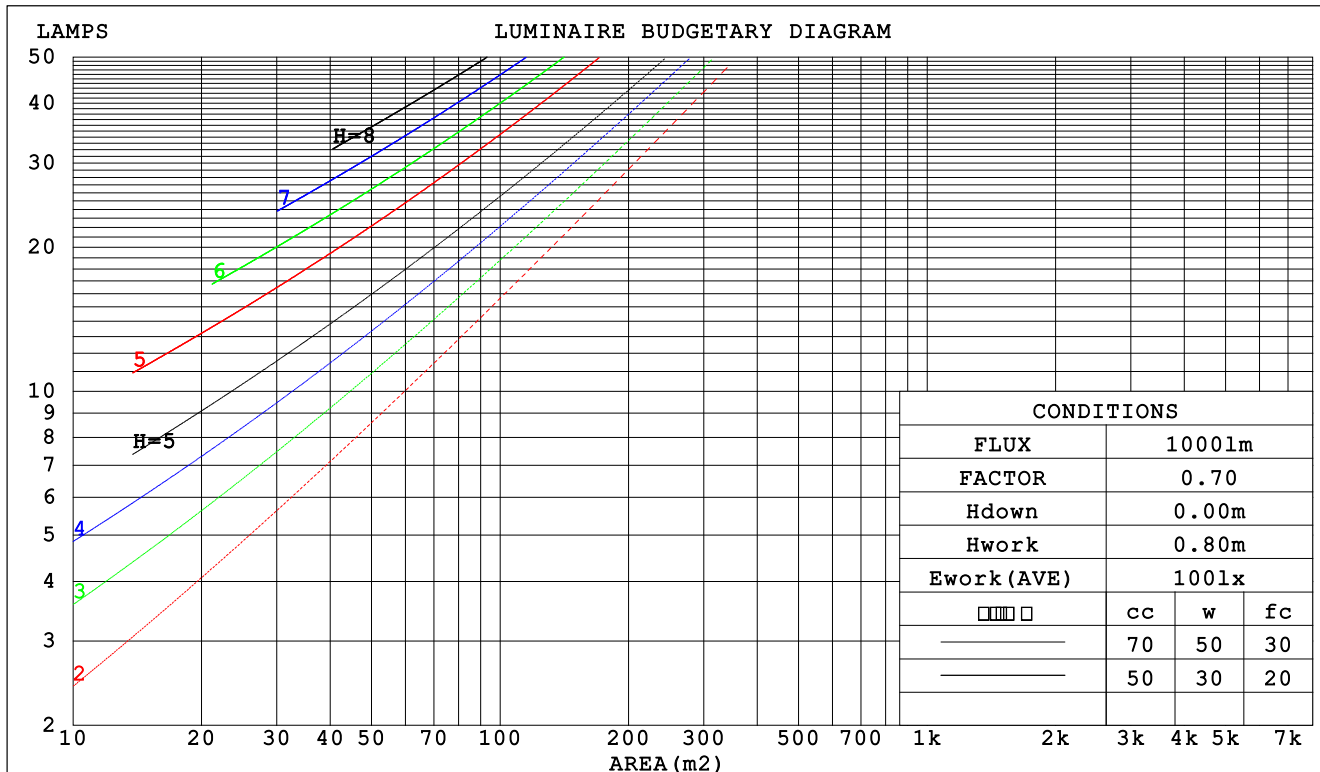
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:04 December 2022

☐ 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:2.8300A P:68.486W PF:1.0000 Freq:0Hz Lamp Flux:8229.58x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-24-5K-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	.69	.63	.58	.63	.58	.54	.58	.54	.50	.47
3.0	.68	.59	.51	.65	.57	.50	.60	.52	.46	.55	.48	.43	.50	.45	.40	.37
4.0	.60	.50	.42	.57	.48	.41	.52	.44	.38	.48	.41	.36	.44	.38	.34	.31
5.0	.53	.43	.35	.50	.41	.34	.46	.38	.32	.42	.36	.30	.39	.33	.28	.26
6.0	.47	.37	.30	.45	.36	.29	.41	.33	.28	.38	.31	.26	.35	.29	.24	.22
7.0	.42	.33	.26	.40	.32	.25	.37	.30	.24	.34	.28	.23	.31	.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	.33	.25	.20	.31	.24	.19	.29	.22	.18	.26	.21	.17	.15
10.0	.32	.24	.18	.31	.23	.18	.28	.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:2.8300A P:68.486W PF:1.0000 Freq:0Hz Lamp Flux:8229.58x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-24-5K-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	.418 .238 .075	.405 .231 .073	.382 .219 .070	.360 .207 .067	.340 .197 .063	
2.0	.356 .195 .060	.344 .190 .058	.323 .179 .056	.303 .170 .053	.285 .161 .051	
3.0	.313 .167 .050	.303 .162 .049	.283 .153 .047	.265 .145 .045	.248 .137 .043	
4.0	.280 .145 .043	.270 .141 .042	.253 .134 .040	.236 .127 .038	.221 .120 .037	
5.0	.253 .129 .037	.244 .125 .037	.228 .119 .035	.213 .113 .033	.199 .107 .032	
6.0	.231 .116 .033	.223 .113 .032	.208 .107 .031	.195 .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 .082 .023	.165 .080 .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	.325 .325 .325	.278 .278 .278	.189 .189 .189	.109 .109 .109	.035 .035 .035	
1.0	.323 .291 .261	.277 .249 .225	.189 .172 .155	.109 .099 .090	.035 .032 .029	
2.0	.317 .268 .227	.272 .231 .196	.186 .160 .137	.107 .093 .080	.034 .030 .026	
3.0	.310 .252 .205	.266 .217 .178	.182 .151 .125	.105 .088 .074	.034 .029 .024	
4.0	.302 .239 .191	.259 .207 .166	.178 .144 .117	.103 .084 .069	.033 .027 .023	
5.0	.294 .230 .182	.253 .199 .158	.174 .139 .112	.101 .081 .066	.032 .027 .022	
6.0	.286 .222 .175	.246 .192 .153	.170 .134 .108	.099 .079 .064	.032 .026 .021	
7.0	.279 .215 .170	.240 .186 .148	.166 .131 .105	.096 .077 .063	.031 .025 .021	
8.0	.272 .210 .167	.234 .182 .145	.162 .128 .103	.094 .075 .061	.031 .025 .020	
9.0	.266 .205 .164	.229 .178 .143	.159 .125 .101	.092 .074 .060	.030 .024 .020	
10.0	.260 .201 .161	.224 .174 .141	.155 .123 .100	.091 .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:2.8300A P:68.486W PF:1.0000 Freq:0Hz Lamp Flux:8229.58x1 lm										
NAME: Round X2 Series DC					TYPE:Floodlight			WEIGHT:N/A		
SPEC.:RND-65-24-5K-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	15.7	17.1	16.2	17.6	18.2	15.5	17.0	16.0	17.5	18.1
3H	18.2	19.6	18.8	20.1	20.7	18.0	19.4	18.6	19.9	20.5
4H	19.6	20.9	20.2	21.4	22.1	19.4	20.6	19.9	21.2	21.8
6H	21.1	22.3	21.7	22.9	23.5	20.8	22.0	21.4	22.6	23.2
8H	21.9	23.1	22.5	23.7	24.3	21.6	22.7	22.2	23.3	24.0
12H	22.8	24.0	23.4	24.6	25.2	22.5	23.6	23.1	24.2	24.9
4H 2H	16.5	17.8	17.1	18.4	19.0	16.4	17.7	17.0	18.2	18.9
3H	19.3	20.4	19.9	21.0	21.7	19.1	20.2	19.7	20.8	21.5
4H	20.8	21.8	21.4	22.4	23.2	20.6	21.6	21.2	22.2	22.9
6H	22.5	23.4	23.1	24.0	24.8	22.2	23.1	22.8	23.8	24.5
8H	23.4	24.2	24.0	24.9	25.7	23.1	24.0	23.8	24.6	25.4
12H	24.4	25.2	25.1	25.9	26.7	24.1	24.9	24.8	25.6	26.4
8H 4H	21.4	22.2	22.0	22.9	23.7	21.2	22.1	21.9	22.7	23.5
6H	23.3	24.1	24.0	24.7	25.5	23.1	23.8	23.8	24.5	25.3
8H	24.4	25.1	25.1	25.8	26.6	24.2	24.9	24.9	25.6	26.4
12H	25.7	26.3	26.4	27.0	27.9	25.4	26.0	26.2	26.7	27.6
12H 4H	21.5	22.3	22.2	23.0	23.8	21.3	22.2	22.0	22.8	23.6
6H	23.6	24.2	24.3	24.9	25.8	23.4	24.0	24.1	24.7	25.6
8H	24.8	25.4	25.5	26.1	26.9	24.6	25.2	25.3	25.9	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, 8230 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 7.3$)

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:2.8300A P:68.486W PF:1.0000 Freq:0Hz Lamp Flux:8229.58x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-24-5K-180-X2-DLG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

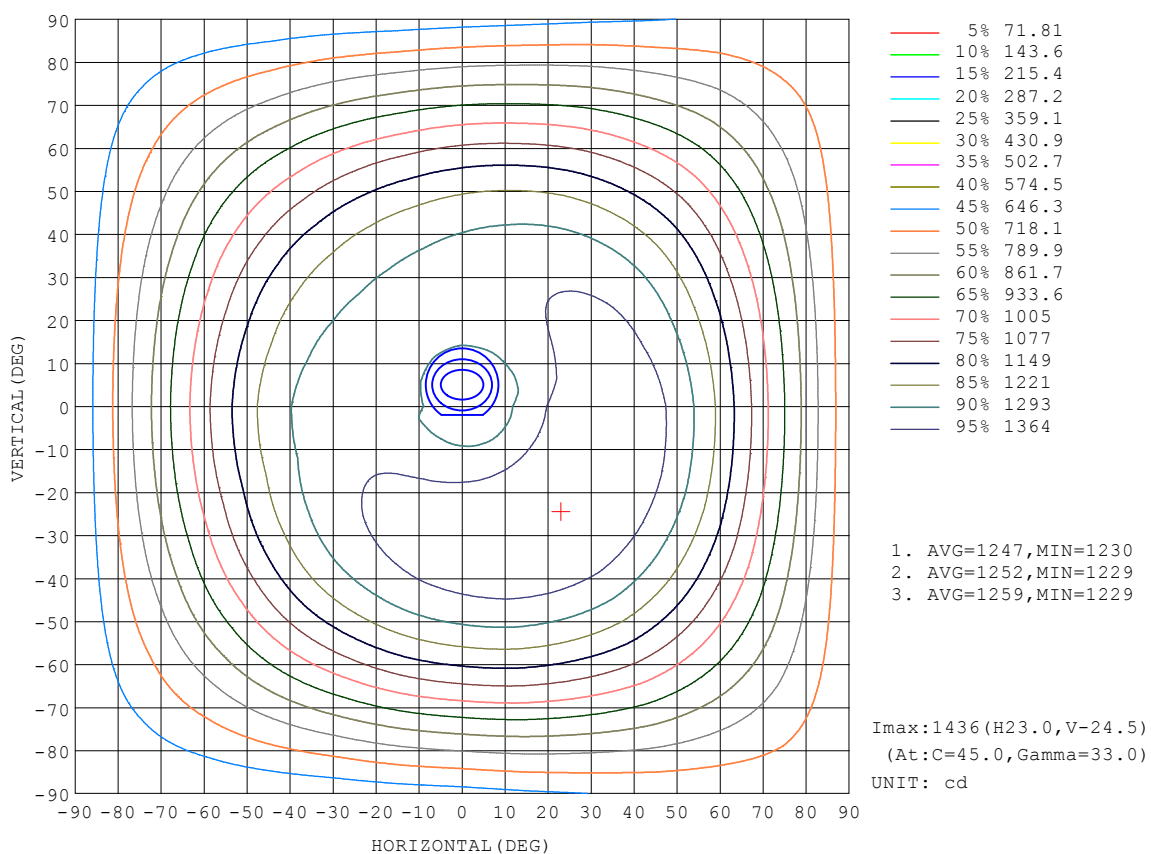
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	45	32	25	44	32	24	42	31	24	17
0.80	54	40	32	53	40	32	50	38	31	23
1.00	62	48	39	60	47	39	57	48	38	29
1.25	69	55	46	67	54	45	62	52	44	34
1.50	74	61	52	71	59	51	67	56	49	38
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	66	53
4.00	95	87	79	91	84	77	84	78	73	58
5.00	99	91	84	94	88	82	87	82	77	62
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: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:2.8300A P:68.486W PF:1.0000 Freq:0Hz Lamp Flux:8229.58x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-24-5K-180-X2-DLG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A



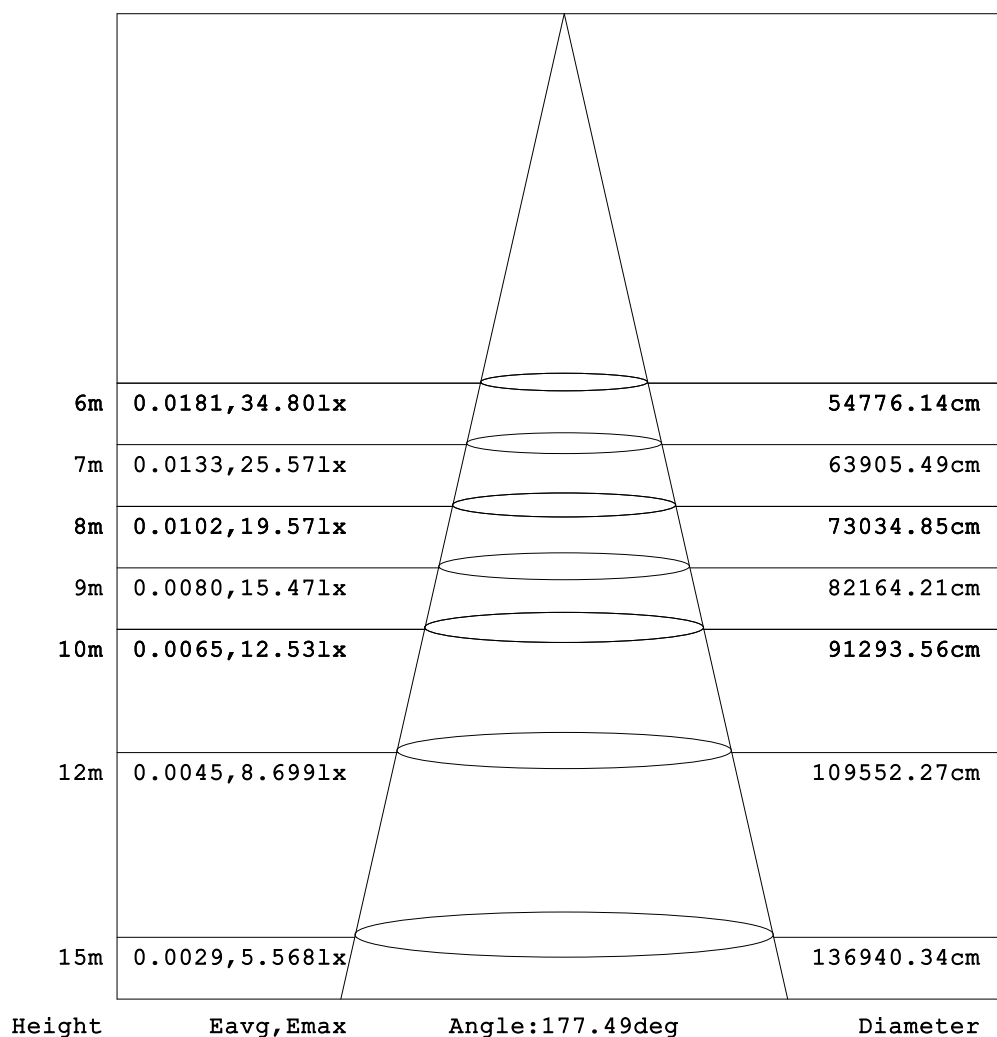
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YZY
 Test Date:04 December 2022

☐ 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:2.8300A P:68.486W PF:1.0000 Freq:0Hz Lamp Flux:8229.58x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-24-5K-180-X2-DLG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

Flux out:6711 lm



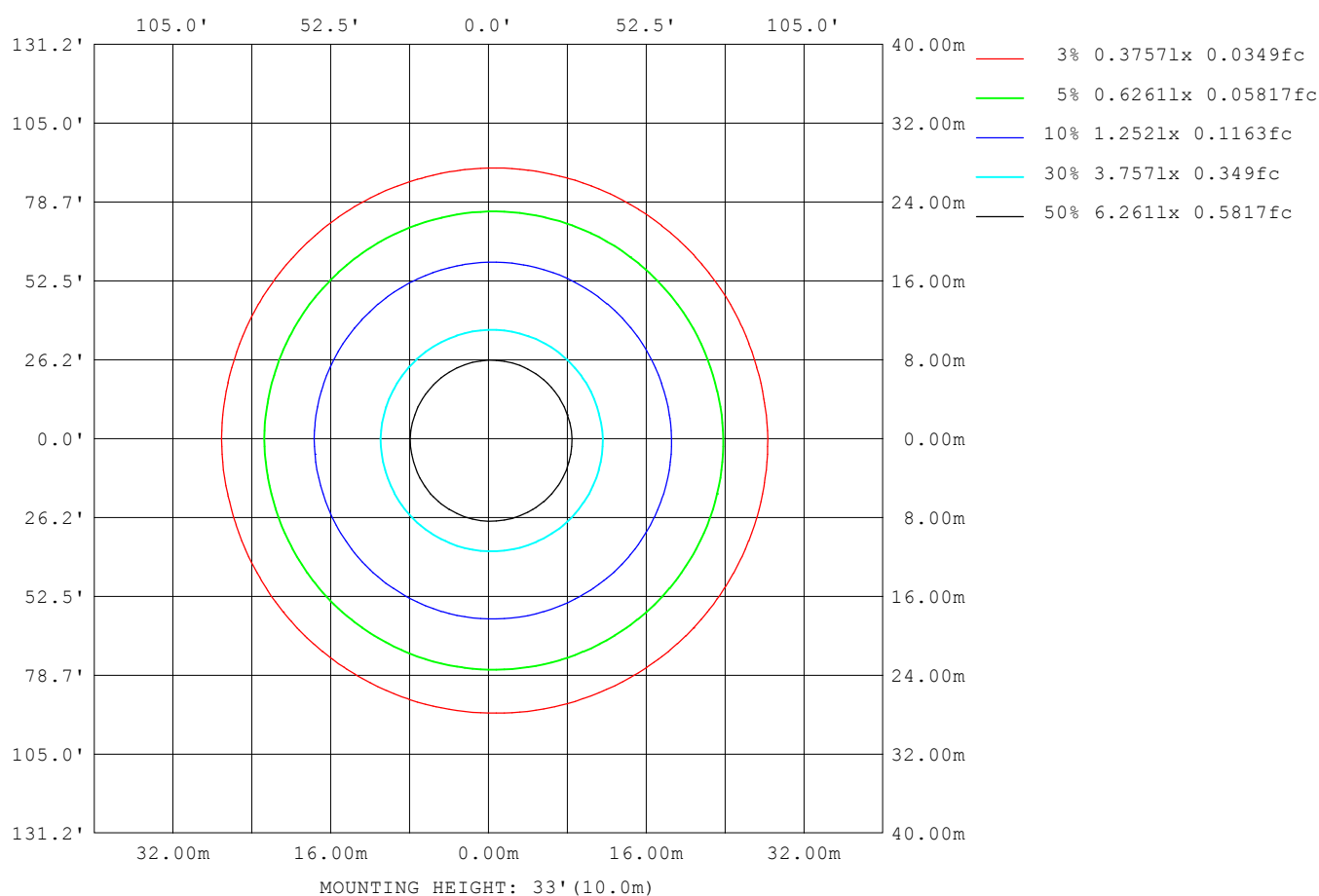
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:2.8300A P:68.486W PF:1.0000 Freq:0Hz Lamp Flux:8229.58x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-24-5K-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:2.8300A P:68.486W PF:1.0000 Freq:0Hz Lamp Flux:8229.58x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-24-5K-180-X2-DLG-*	DIM.: N/A	SERIAL No.:N/A
MFR.: Red Sky Lighting	SUR.:N/A	Shielding Angle:N/A

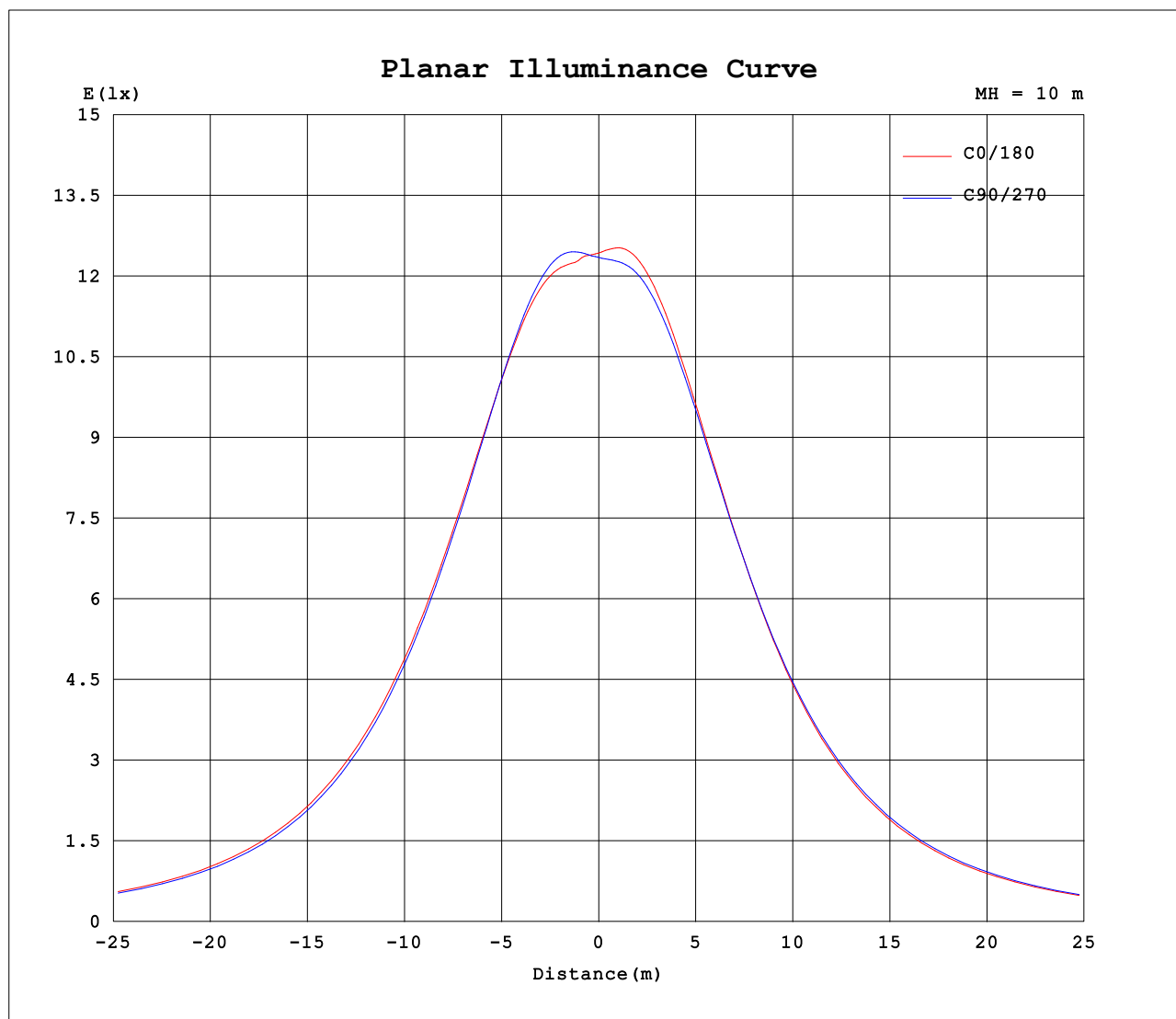
AvgL	cd/m2
L_0~180 (65) av	24680
L_0~180 (75) av	33646
L_0~180 (85) av	80440
L_90~270 (65) av	24640
L_90~270 (75) av	33578
L_90~270 (85) av	80341
L_45 (65) av	24663
L_45 (75) av	33615
L_45 (85) av	80361

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:2.8300A P:68.486W PF:1.0000 Freq:0Hz Lamp Flux:8229.58x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-24-5K-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	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236
5	1242	1244	1244	1247	1252	1255	1259	1261	1263	1263	1263	1263	1260	1258	1255	1253	1249	1247	1244
10	1269	1273	1280	1285	1292	1297	1301	1303	1305	1303	1300	1295	1292	1288	1283	1280	1276	1274	1270
15	1317	1321	1329	1334	1340	1343	1345	1345	1343	1337	1331	1323	1317	1310	1305	1302	1299	1299	1298
20	1360	1366	1373	1378	1381	1382	1381	1378	1372	1363	1352	1341	1333	1324	1317	1314	1314	1316	1319
25	1392	1400	1407	1411	1412	1410	1406	1399	1389	1377	1362	1348	1337	1326	1319	1316	1318	1323	1329
30	1412	1421	1427	1430	1428	1423	1415	1405	1392	1377	1359	1343	1331	1318	1311	1308	1311	1318	1329
35	1416	1425	1430	1432	1428	1420	1410	1397	1381	1364	1344	1326	1313	1299	1291	1289	1295	1304	1318
40	1404	1414	1419	1419	1413	1404	1390	1375	1357	1338	1316	1297	1283	1269	1262	1260	1268	1279	1296
45	1376	1387	1391	1391	1382	1371	1354	1338	1317	1297	1273	1255	1241	1227	1222	1221	1230	1243	1261
50	1332	1343	1346	1345	1334	1321	1302	1285	1262	1242	1217	1199	1187	1174	1170	1171	1181	1194	1215
55	1271	1282	1284	1282	1270	1255	1235	1217	1194	1173	1150	1133	1122	1111	1109	1111	1121	1135	1156
60	1197	1207	1208	1205	1192	1177	1156	1138	1115	1096	1074	1059	1051	1041	1041	1043	1054	1068	1088
65	1113	1122	1122	1119	1105	1090	1069	1052	1029	1012	992	980	973	966	967	970	981	994	1013
70	1022	1030	1029	1025	1012	998	978	961	940	925	907	898	893	887	890	893	905	917	935
75	929	936	933	930	916	903	884	870	850	837	823	816	813	809	812	816	827	837	854
80	836	842	838	834	822	810	793	780	762	752	740	735	733	731	735	740	751	759	773
85	746	751	746	742	732	721	706	694	678	668	659	656	656	655	660	664	675	682	695
90	661	665	660	656	646	636	622	612	597	588	580	579	579	580	585	590	601	608	619
95	579	582	577	573	563	554	540	531	518	511	504	504	505	506	512	517	526	532	543
100	501	503	499	495	486	478	465	454	440	432	423	422	422	421	427	432	442	451	464
105	423	425	420	416	405	396	382	372	359	352	344	343	343	342	348	352	362	369	381
110	344	346	341	338	328	320	308	299	287	281	274	273	272	272	277	281	289	296	306
115	275	276	272	269	260	254	243	235	225	219	212	211	211	210	214	218	226	231	241
120	214	215	212	209	202	196	186	179	170	165	159	158	157	156	160	163	170	175	184
125	161	162	159	157	150	146	138	131	124	119	116	115	114	115	117	120	123	128	135
130	117	117	116	113	109	105	100	94.8	89.7	87.7	84.8	83.6	83.0	83.5	85.7	88.2	89.2	93.1	97.3
135	85.6	85.5	84.6	82.6	79.0	74.7	69.7	65.5	61.1	60.6	57.9	57.3	57.0	57.0	59.1	60.7	60.7	62.3	66.2
140	59.1	59.3	58.0	56.9	53.6	49.7	45.2	42.4	39.2	39.3	37.3	36.8	36.4	36.3	37.8	39.0	38.7	38.0	40.4
145	38.2	38.5	37.5	36.7	34.5	31.0	28.7	26.2	27.5	28.0	27.8	27.8	27.8	28.0	28.7	29.1	28.9	25.8	25.5
150	27.0	26.9	26.7	26.6	26.0	25.1	16.5	15.9	20.3	18.8	17.2	16.4	15.8	15.8	16.8	17.9	19.7	18.6	20.4
155	17.6	17.8	17.2	16.8	15.5	14.3	8.97	8.49	9.44	8.38	7.55	7.17	6.89	6.76	7.27	7.87	9.07	8.51	7.90
160	8.13	8.21	7.81	7.47	6.85	6.38	5.83	5.91	5.91	5.93	5.95	6.04	6.13	6.05	5.98	5.98	6.02	6.07	5.98
165	5.88	5.89	5.95	5.90	5.96	6.13	6.29	6.45	6.57	6.50	6.47	6.47	6.65	6.56	6.57	6.65	6.73	6.68	6.51
170	6.46	6.53	6.55	6.55	6.64	6.70	6.80	7.06	7.15	7.07	6.96	7.06	7.36	7.19	7.07	7.20	7.33	7.34	7.17
175	7.20	7.14	7.11	7.13	7.14	7.12	7.24	7.46	7.55	7.45	7.38	7.69	7.88	7.82	7.58	7.55	7.70	7.72	7.62
180	8.66	8.71	8.60	8.40	8.42	8.48	8.50	8.53	8.52	8.48	8.51	8.79	8.68	8.70	8.61	8.40	8.43	8.48	8.51

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:2.8300A P:68.486W PF:1.0000 Freq:0Hz Lamp Flux:8229.58x1 lm		
NAME: Round X2 Series DC	TYPE:Floodlight	WEIGHT:N/A
SPEC.:RND-65-24-5K-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	1236	1236	1236	1236	1236														
5	1241	1238	1237	1237	1240														
10	1269	1266	1266	1264	1266														
15	1300	1300	1304	1305	1311														
20	1324	1329	1337	1343	1352														
25	1339	1349	1360	1370	1383														
30	1343	1357	1372	1386	1401														
35	1335	1352	1370	1387	1404														
40	1314	1334	1353	1373	1391														
45	1281	1303	1323	1344	1363														
50	1235	1258	1278	1300	1319														
55	1176	1199	1219	1240	1258														
60	1108	1130	1148	1169	1185														
65	1031	1052	1069	1088	1103														
70	950	970	984	1002	1014														
75	868	885	897	913	923														
80	786	800	811	824	832														
85	705	718	726	738	744														
90	628	638	645	655	659														
95	551	560	567	576	578														
100	474	486	491	499	501														
105	390	402	409	418	422														
110	314	325	332	340	343														
115	248	257	263	271	273														
120	190	199	204	210	212														
125	140	147	152	158	159														
130	101	106	111	114	115														
135	70.5	75.7	80.7	83.0	84.6														
140	43.9	51.0	54.7	57.3	58.2														
145	27.1	33.6	35.0	36.9	37.5														
150	22.9	22.8	26.3	26.9	26.8														
155	12.9	12.7	15.1	16.9	17.2														
160	5.95	6.45	6.92	7.51	7.78														
165	6.30	6.03	5.86	5.85	5.84														
170	6.96	6.79	6.60	6.47	6.48														
175	7.47	7.36	7.29	7.14	7.13														
180	8.53	8.51	8.48	8.51	8.79														

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: