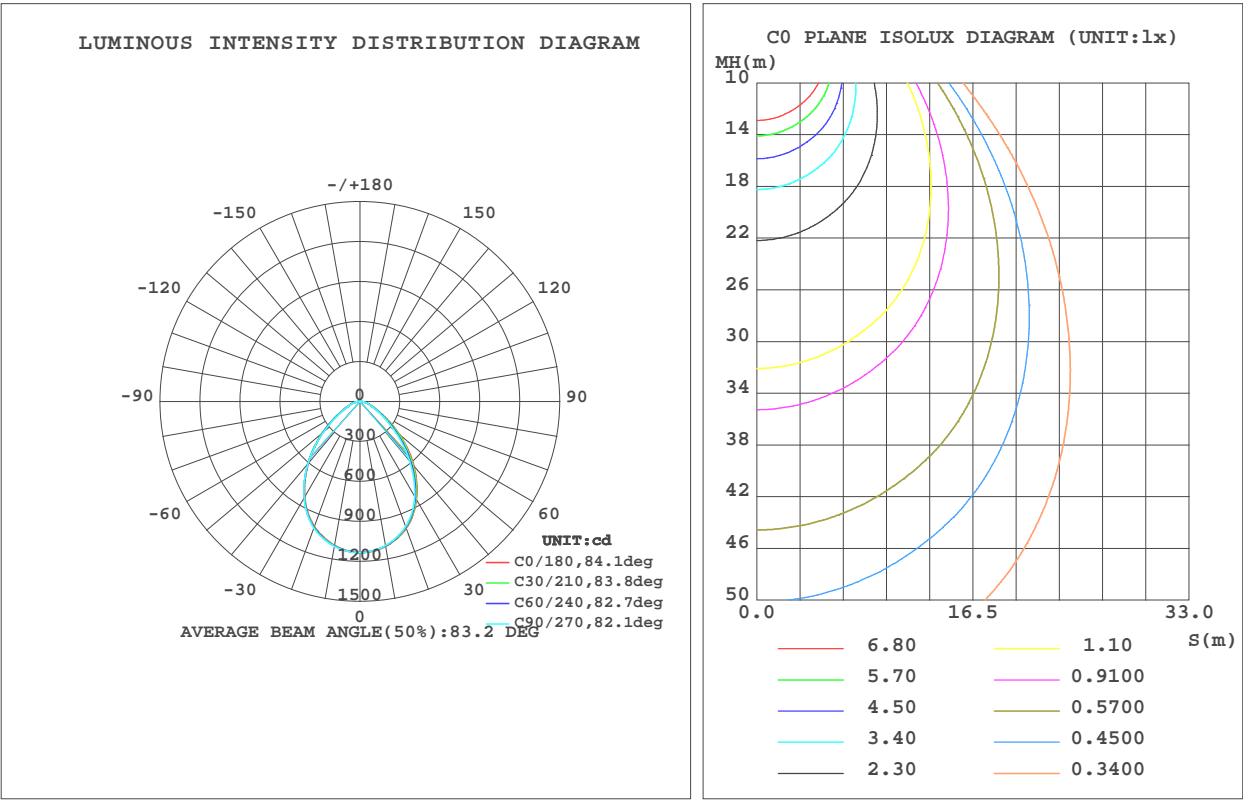


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.2V I:0.1501A P:17.59W PF:0.9670 Lamp Flux:2092.02x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-5000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-5000KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 118.93 lm/W			
MODEL		Imax(cd)	1135	S/MH(C0/180)	1.13
NOMINAL POWER(W)	17.59	LOR(%)	100.0	S/MH(C90/270)	1.11
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2092.0	h UP,DN(C0-180)	0.1,50.4
NOMINAL FLUX(lm)	2092.02	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.1,49.5
LAMPS INSIDE	1	h up(%)	0.1	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120	h down(%)	99.9	CIBSE SHR MAX	1.15



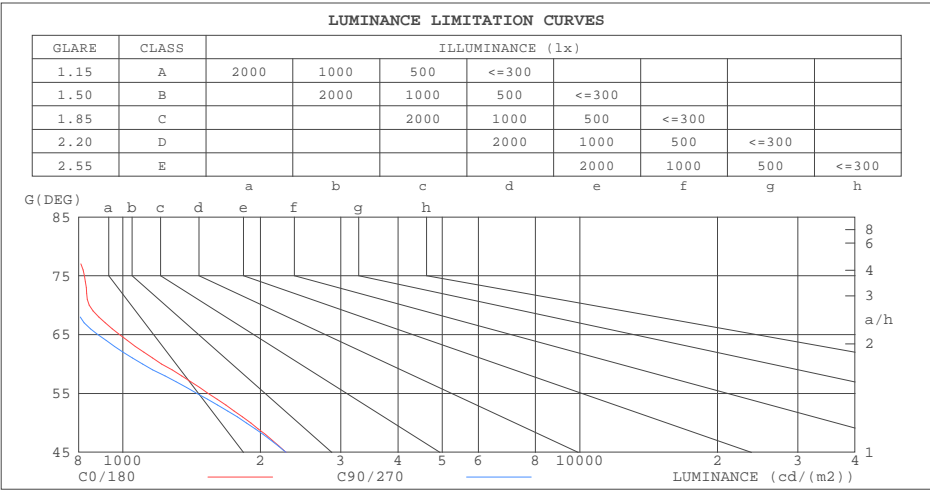
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-30

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:10.627m [K=1.0000]  
Remarks: TRP-240925SHA-01\_F172  
T409251

# ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

## ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum
10	1096	1101	1104	1105	1105	1101	1098	1096	0- 10	106.7	106.7	5.1
20	1001	1007	1012	1015	1013	1007	1001	996.6	10- 20	298.6	405.3	19.4
30	829.8	836.8	839.6	850.3	849.3	835.2	822.1	822.6	20- 30	427.0	832.3	39.8
40	602.3	609.4	607.4	627.1	628.5	605.6	580.4	588.5	30- 40	451.7	1284	61.4
50	367.8	371.1	359.2	383.4	391.9	367.8	332.7	349.4	40- 50	372.6	1657	79.2
60	182.5	178.8	165.7	182.1	190.2	176.4	160.7	168.4	50- 60	234.1	1891	90.4
70	86.69	83.40	81.10	84.67	88.70	83.47	80.24	81.87	60- 70	121.0	2012	96.2
80	38.59	35.98	32.21	36.58	36.89	36.41	33.47	36.24	70- 80	63.63	2075	99.2
90	0	0	0	0	0	0	0	0	80- 90	13.76	2089	99.9
100	0	0	0	0	0	0	0	0	90-100	0	2089	99.9
110	0	0	0	0	0	0	0	0	100-110	0	2089	99.9
120	0	0.0373	0	0.0001	0.0747	0	0.0620	0.0552	110-120	0.0027	2089	99.9
130	0.3639	0.4255	0.3080	0.3392	0.4754	0.3761	0.4812	0.4495	120-130	0.1744	2089	99.9
140	0.8391	0.9128	0.7953	0.7891	0.9329	0.8565	0.9748	0.9304	130-140	0.4866	2090	99.9
150	1.339	1.406	1.288	1.276	1.420	1.356	1.468	1.424	140-150	0.7012	2091	99.9
160	1.740	1.819	1.732	1.726	1.834	1.782	1.893	1.799	150-160	0.7285	2091	100
170	2.031	2.121	2.035	2.053	2.111	2.078	2.152	2.065	160-170	0.5473	2092	100
180	2.154	2.214	2.171	2.157	2.161	2.207	2.195	2.145	170-180	0.2034	2092	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

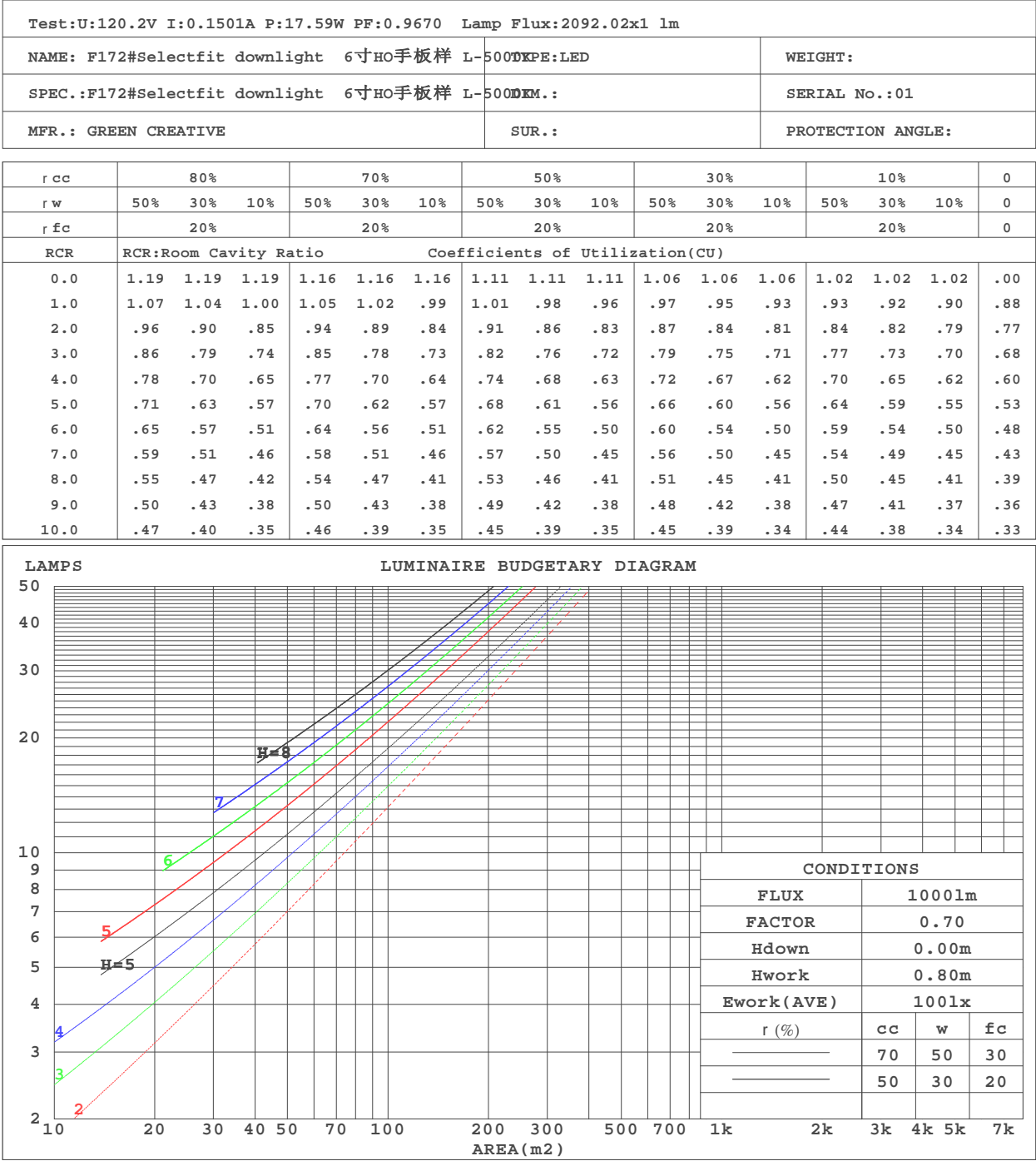


LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	514	258
80	740	618
75	824	737
70	844	790
65	984	883
60	1216	1105
55	1538	1453
50	1905	1863
45	2275	2275

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-30

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:10.627m [K=1.0000]  
Remarks: TRP-240925SHA-01\_F172  
T409251

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Aaron

Test Date:2024-09-30

g Range: 0 - 180DEG

g Interval: 1.0DEG

Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.291

Humidity:65.0%

Test Distance:10.627m [K=1.0000]

Remarks: TRP-240925SHA-01\_F172

T409251

## WEC AND CCEC

Test:U:120.2V I:0.1501A P:17.59W PF:0.9670 Lamp Flux:2092.02x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-5000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-5000KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

r cc	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC)															
0.0																
1.0	.249	.141	.045	.242	.138	.044	.229	.131	.042	.217	.125	.040	.206	.119	.038	
2.0	.239	.131	.040	.233	.128	.040	.222	.123	.038	.212	.119	.037	.202	.114	.036	
3.0	.226	.120	.036	.221	.118	.036	.211	.114	.035	.202	.111	.034	.193	.107	.033	
4.0	.212	.110	.032	.208	.109	.032	.199	.106	.032	.191	.103	.031	.183	.100	.030	
5.0	.199	.102	.029	.195	.100	.029	.188	.098	.029	.180	.095	.028	.174	.093	.028	
6.0	.187	.094	.027	.184	.093	.027	.177	.091	.026	.171	.089	.026	.165	.087	.026	
7.0	.177	.087	.025	.173	.086	.025	.167	.085	.024	.161	.083	.024	.156	.081	.024	
8.0	.167	.081	.023	.164	.081	.023	.158	.079	.023	.153	.078	.022	.148	.076	.022	
9.0	.158	.076	.021	.155	.076	.021	.150	.074	.021	.145	.073	.021	.141	.072	.021	
10.0	.149	.072	.020	.147	.071	.020	.142	.070	.020	.138	.069	.020	.134	.068	.019	

r cc	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.177	.158	.140	.152	.135	.121	.104	.093	.083	.060	.054	.049	.019	.017	.016	
2.0	.166	.133	.105	.142	.115	.091	.098	.079	.064	.056	.046	.037	.018	.015	.012	
3.0	.157	.115	.082	.135	.099	.071	.092	.069	.050	.053	.040	.029	.017	.013	.010	
4.0	.149	.101	.065	.128	.087	.056	.088	.061	.040	.051	.036	.023	.016	.012	.008	
5.0	.141	.090	.053	.121	.078	.046	.084	.055	.032	.048	.032	.019	.016	.010	.006	
6.0	.134	.082	.044	.116	.071	.038	.080	.050	.027	.046	.029	.016	.015	.010	.005	
7.0	.128	.075	.037	.110	.065	.033	.076	.045	.023	.044	.027	.014	.014	.009	.005	
8.0	.122	.069	.032	.105	.060	.028	.073	.042	.020	.042	.025	.012	.014	.008	.004	
9.0	.117	.064	.028	.100	.055	.025	.070	.039	.017	.041	.023	.010	.013	.008	.003	
10.0	.111	.060	.025	.096	.052	.022	.067	.036	.016	.039	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-30

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:10.627m [K=1.0000]  
Remarks: TRP-240925SHA-01\_F172  
T409251

UGR(Unified Glare Rating) Table

Test:U:120.2V I:0.1501A P:17.59W PF:0.9670 Lamp Flux:2092.02x1 lm										
NAME: F172#Selectfit downlight 6寸HO手板样 L-5000KPE:LED						WEIGHT:				
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-5000K.:						SERIAL No.:01				
MFR.: GREEN CREATIVE						SUR.:		PROTECTION ANGLE:		
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	13.6	14.9	13.9	15.1	15.3	13.4	14.7	13.6	14.9	15.1
3H	14.1	15.3	14.4	15.6	15.8	13.8	15.0	14.1	15.3	15.5
4H	14.4	15.5	14.7	15.8	16.0	14.1	15.2	14.4	15.5	15.7
6H	14.6	15.7	14.9	16.0	16.2	14.2	15.3	14.6	15.6	15.8
8H	14.7	15.7	15.0	16.0	16.3	14.3	15.3	14.6	15.6	15.8
12H	14.7	15.7	15.0	16.0	16.3	14.2	15.2	14.6	15.5	15.8
4H 2H	13.8	14.9	14.1	15.2	15.4	13.6	14.7	13.9	15.0	15.2
3H	14.5	15.5	14.8	15.8	16.1	14.2	15.2	14.6	15.5	15.8
4H	14.9	15.8	15.2	16.1	16.4	14.6	15.5	14.9	15.8	16.1
6H	15.2	16.0	15.6	16.4	16.7	14.8	15.6	15.2	16.0	16.3
8H	15.3	16.1	15.7	16.4	16.8	14.9	15.6	15.3	16.0	16.4
12H	15.4	16.0	15.8	16.4	16.8	14.9	15.6	15.3	15.9	16.3
8H 4H	15.0	15.7	15.4	16.1	16.4	14.7	15.4	15.1	15.8	16.1
6H	15.4	16.0	15.9	16.4	16.9	15.0	15.6	15.5	16.0	16.5
8H	15.6	16.1	16.1	16.6	17.0	15.2	15.7	15.6	16.1	16.6
12H	15.7	16.2	16.2	16.6	17.1	15.2	15.6	15.7	16.1	16.6
12H 4H	14.9	15.6	15.4	16.0	16.4	14.7	15.3	15.1	15.7	16.1
6H	15.4	16.0	15.9	16.4	16.8	15.1	15.6	15.5	16.0	16.5
8H	15.6	16.1	16.1	16.5	17.0	15.2	15.7	15.7	16.1	16.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.7					+ 0.6 / - 0.8				
1.5H	+ 0.3 / - 0.3					+ 0.3 / - 0.3				
2.0H	+ 1.2 / - 1.0					+ 1.4 / - 1.2				

CIE Pub.117 Corrected 2092 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.6)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-30

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:10.627m [K=1.0000]  
Remarks: TRP-240925SHA-01\_F172  
T409251

## UTILIZATION FACTORS TABLE

Test:U:120.2V I:0.1501A P:17.59W PF:0.9670 Lamp Flux:2092.02x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-5000K	TYPE:LED	WEIGHT:
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-5000K	MODEL:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

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	67	57	51	67	57	51	66	57	51	46
0.80	77	67	61	76	67	61	75	66	61	55
1.00	85	76	70	84	75	70	82	76	69	63
1.25	91	83	77	90	82	77	87	81	76	70
1.50	95	88	82	94	87	82	91	85	80	74
2.00	101	94	89	99	93	88	96	91	87	80
2.50	104	98	93	102	96	92	98	94	90	83
3.00	106	101	97	104	99	96	101	97	93	86
4.00	109	105	101	107	103	100	103	100	97	89
5.00	111	107	104	109	105	103	105	102	100	91
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:Aaron  
 Test Date:2024-09-30

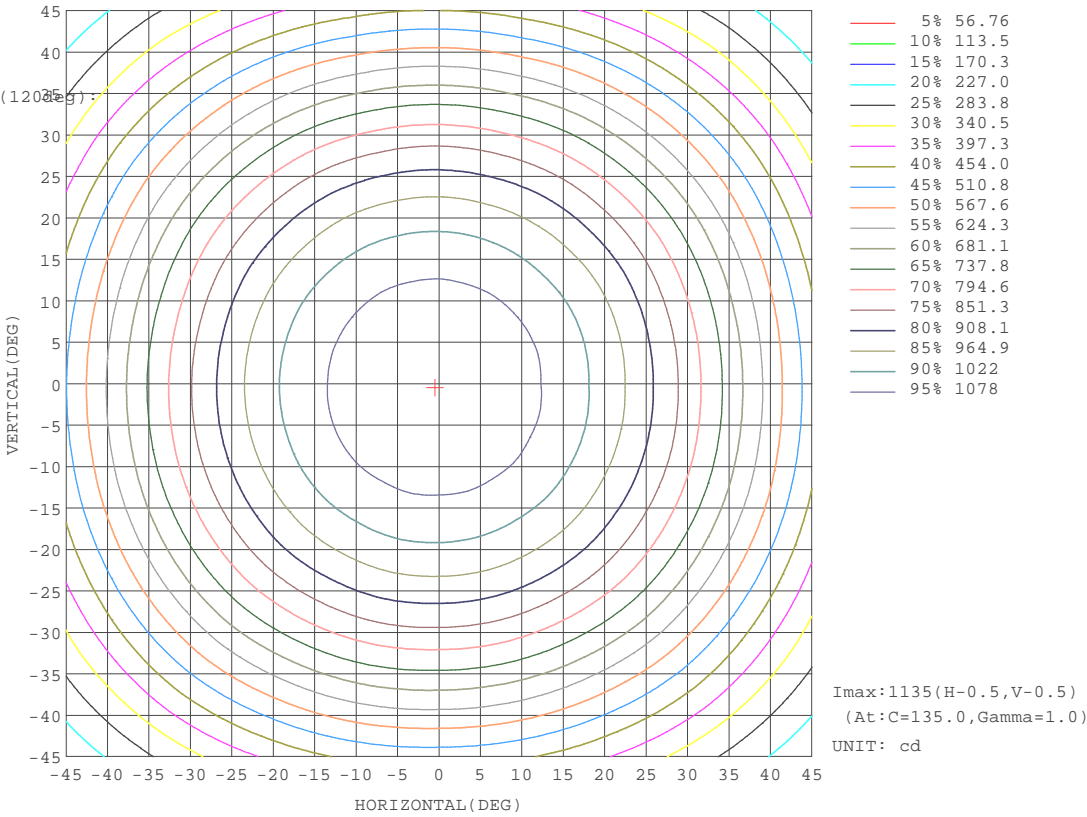
g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:10.627m [K=1.0000]  
 Remarks: TRP-240925SHA-01\_F172  
 T409251

ISOCANDELA DIAGRAM

Test:U:120.2V I:0.1501A P:17.59W PF:0.9670 Lamp Flux:2092.02x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-5000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-5000K.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):  
1485.5 lm  
%lum = 71.0%  
%lamp = 71.0%

Conical surface Flux(120deg):  
1890.8 lm  
%lum = 90.4%  
%lamp = 90.4%

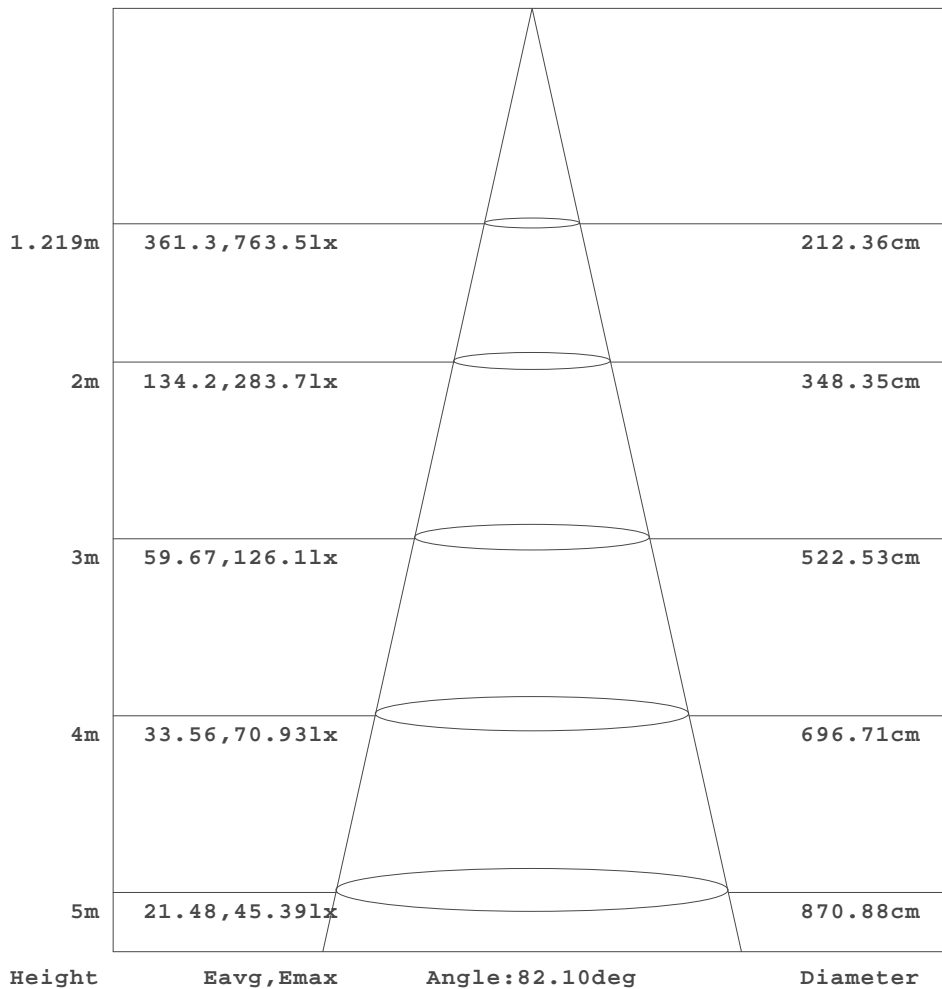


C Range: 0 - 360DEG	g Range: 0 - 180DEG
C Interval: 15.0DEG	g Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Temperature:25.3DEG	Humidity:65.0%
Operators:Aaron	Test Distance:10.627m [K=1.0000]
Test Date:2024-09-30	Remarks: TRP-240925SHA-01_F172
	T409251

## AAI Figure

Test:U:120.2V I:0.1501A P:17.59W PF:0.9670 Lamp Flux:2092.02x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-5000K	TYPE:LED	WEIGHT:
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-5000K	DM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:1368 lm



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

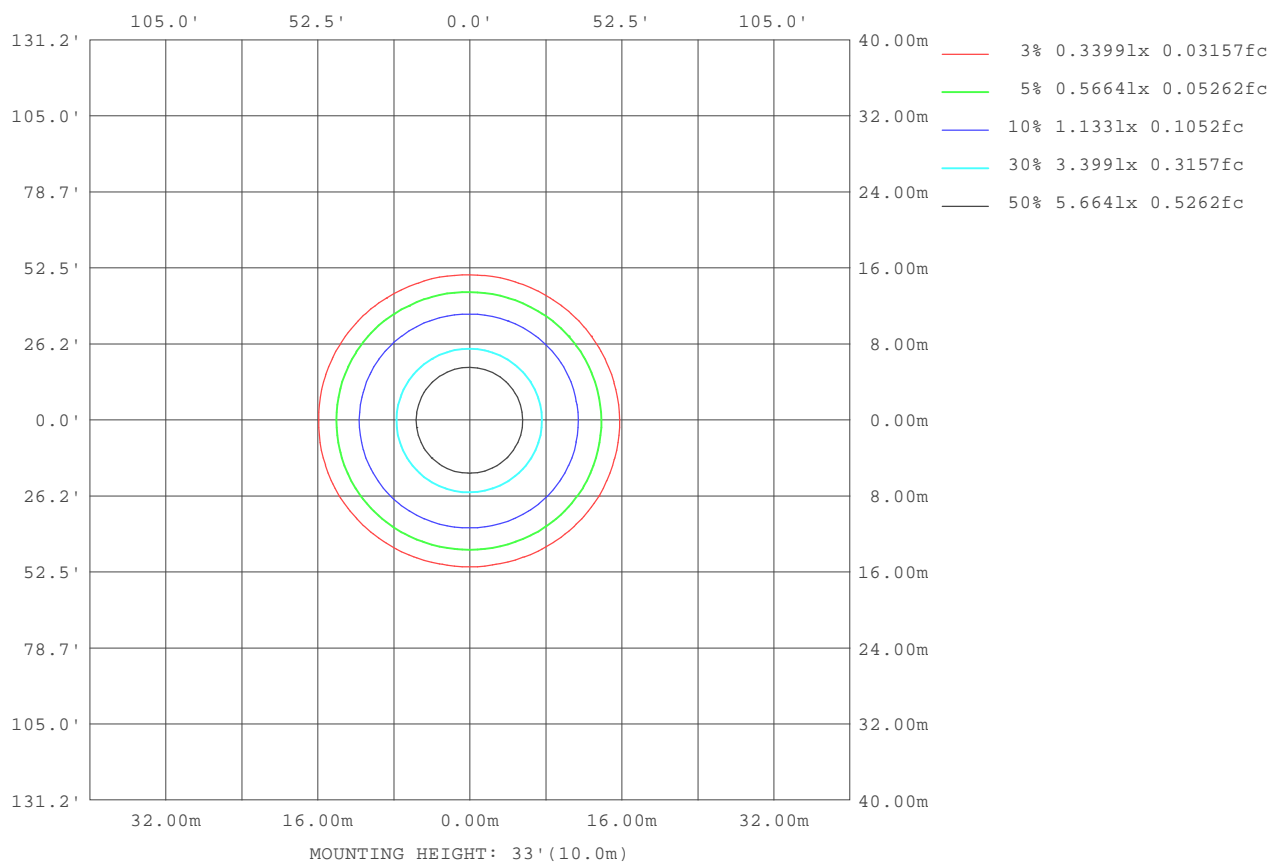
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Aaron  
 Test Date: 2024-09-30

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System: EVERFINE GO-2000H\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 10.627m [K=1.0000]  
 Remarks: TRP-240925SHA-01\_F172  
 T409251



## ISOLUX DIAGRAM

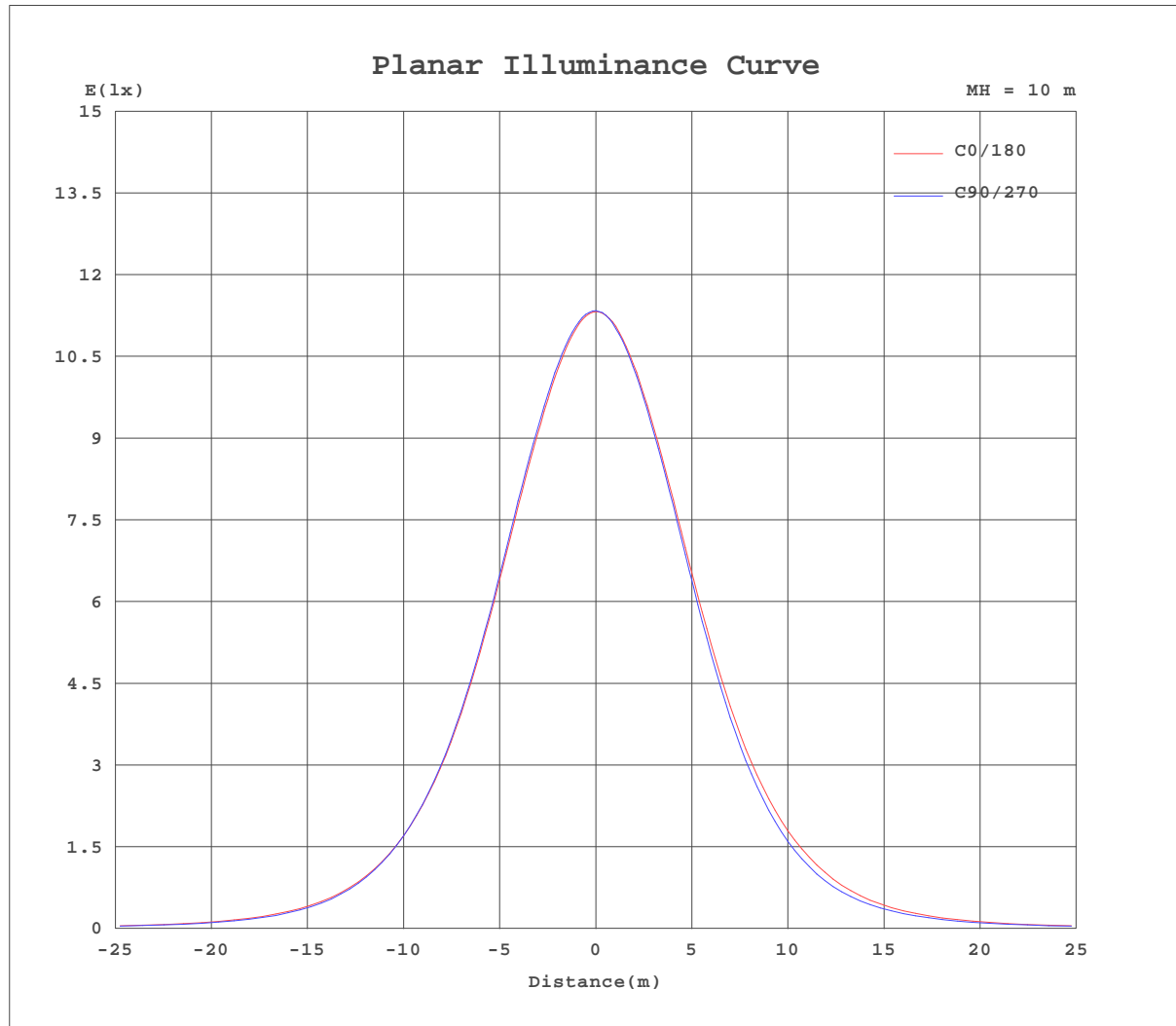
Test:U:120.2V I:0.1501A P:17.59W PF:0.9670 Lamp Flux:2092.02x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-5000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-5000KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-30

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:10.627m [K=1.0000]  
Remarks: TRP-240925SHA-01\_F172  
T409251

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Aaron  
Test Date: 2024-09-30

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System: EVERFINE GO-2000H\_V1 SYSTEM V2.0.291  
Humidity: 65.0%  
Test Distance: 10.627m [K=1.0000]  
Remarks: TRP-240925SHA-01\_F172  
T409251