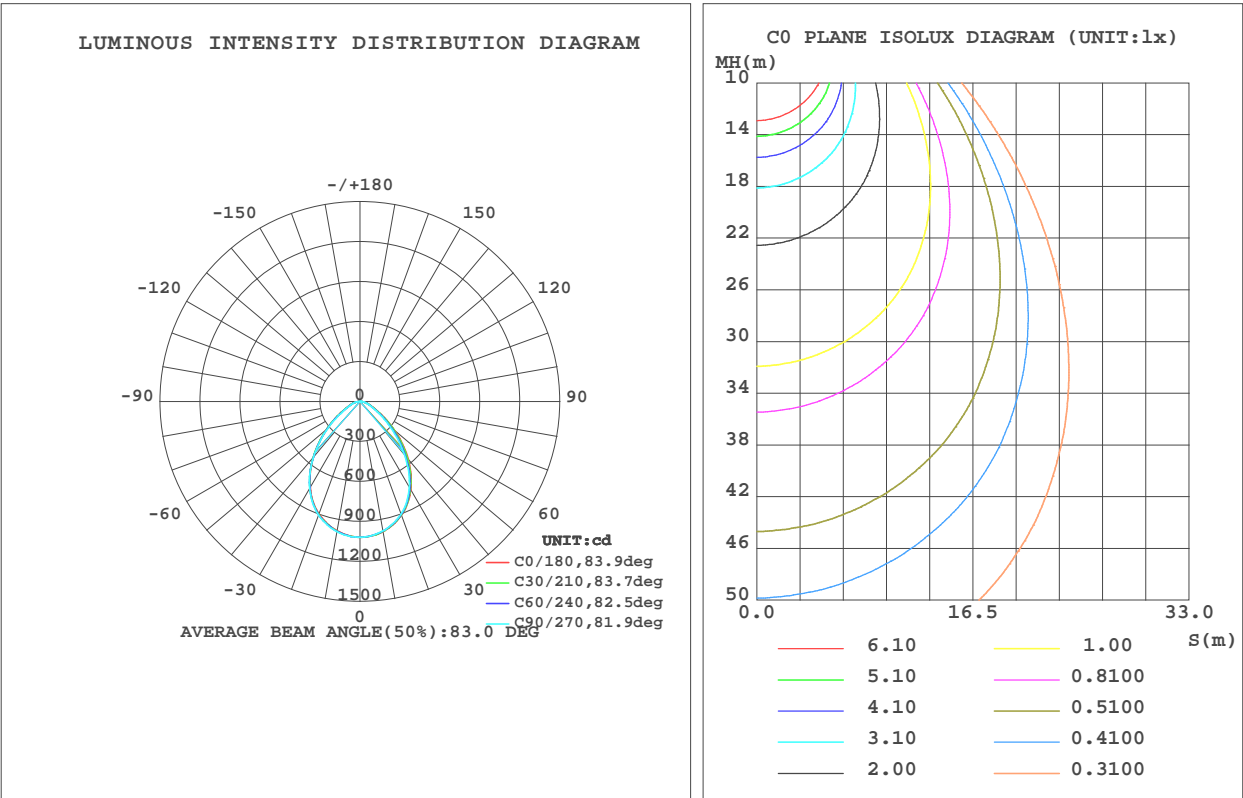


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.3V I:0.1520A P:17.67W PF:0.9668 Lamp Flux:1875.65x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-2700KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-2700KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 106.15 lm/W			
MODEL		Imax(cd)	1021	S/MH(C0/180)	1.14
NOMINAL POWER(W)	17.67	LOR(%)	100.0	S/MH(C90/270)	1.11
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1875.6	h UP,DN(C0-180)	0.1,50.4
NOMINAL FLUX(lm)	1875.65	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



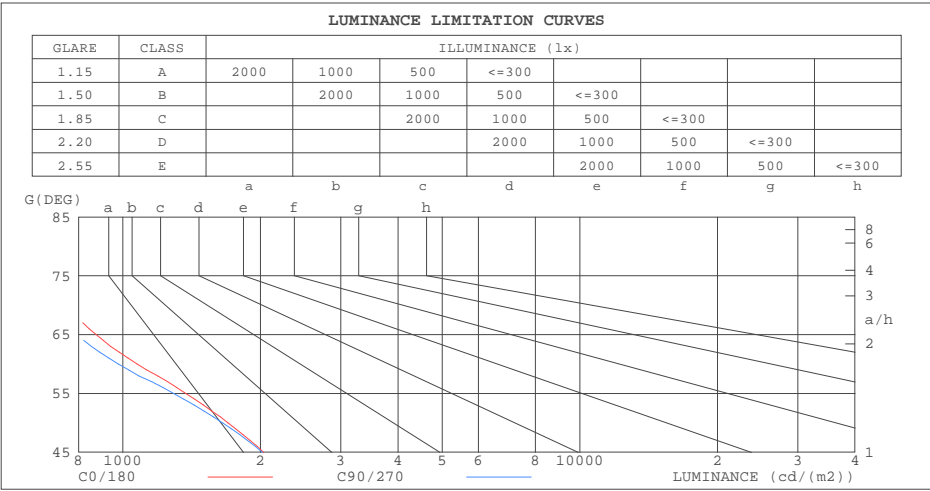
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-30

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	986.0	989.9	992.4	993.9	992.7	988.9	986.9	986.3	0~ 10	95.86	95.86	5.11
20	899.2	905.5	909.3	912.5	910.4	905.3	901.0	897.7	10~ 20	268.5	364.3	19.4
30	747.8	754.7	756.7	765.7	765.0	752.7	741.8	743.9	20~ 30	384.3	748.6	39.9
40	542.3	548.4	544.3	564.1	564.1	544.1	520.1	530.2	30~ 40	407.2	1156	61.6
50	327.8	328.0	319.2	338.6	344.2	326.1	296.2	311.4	40~ 50	332.4	1488	79.3
60	161.3	158.6	146.7	161.6	168.1	155.8	141.7	149.2	50~ 60	207.9	1696	90.4
70	77.77	74.96	72.94	76.18	79.64	74.86	72.10	73.54	60~ 70	107.7	1804	96.2
80	34.67	32.26	28.83	32.88	33.14	32.64	30.03	32.56	70~ 80	57.13	1861	99.2
90	0	0	0	0	0	0	0	0	80~ 90	12.31	1873	99.9
100	0	0	0	0	0	0	0	0	90~100	0	1873	99.9
110	0	0	0	0	0	0	0	0	100~110	0	1873	99.9
120	0	0.0001	0	0	0.0005	0	0.0001	0	110~120	0.0001	1873	99.9
130	0.2523	0.3272	0.2156	0.2283	0.3520	0.2463	0.3457	0.3265	120~130	0.0995	1873	99.9
140	0.6840	0.7522	0.6353	0.6361	0.7772	0.6780	0.8022	0.7525	130~140	0.3786	1874	99.9
150	1.141	1.190	1.092	1.086	1.203	1.140	1.241	1.191	140~150	0.5822	1874	99.9
160	1.486	1.560	1.480	1.487	1.579	1.522	1.629	1.536	150~160	0.6204	1875	100
170	1.751	1.843	1.770	1.783	1.832	1.794	1.869	1.783	160~170	0.4717	1875	100
180	1.857	1.911	1.881	1.869	1.863	1.905	1.900	1.863	170~180	0.1760	1876	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	460	230
80	665	553
75	739	662
70	758	711
65	874	791
60	1075	978
55	1374	1293
50	1699	1655
45	2034	2021

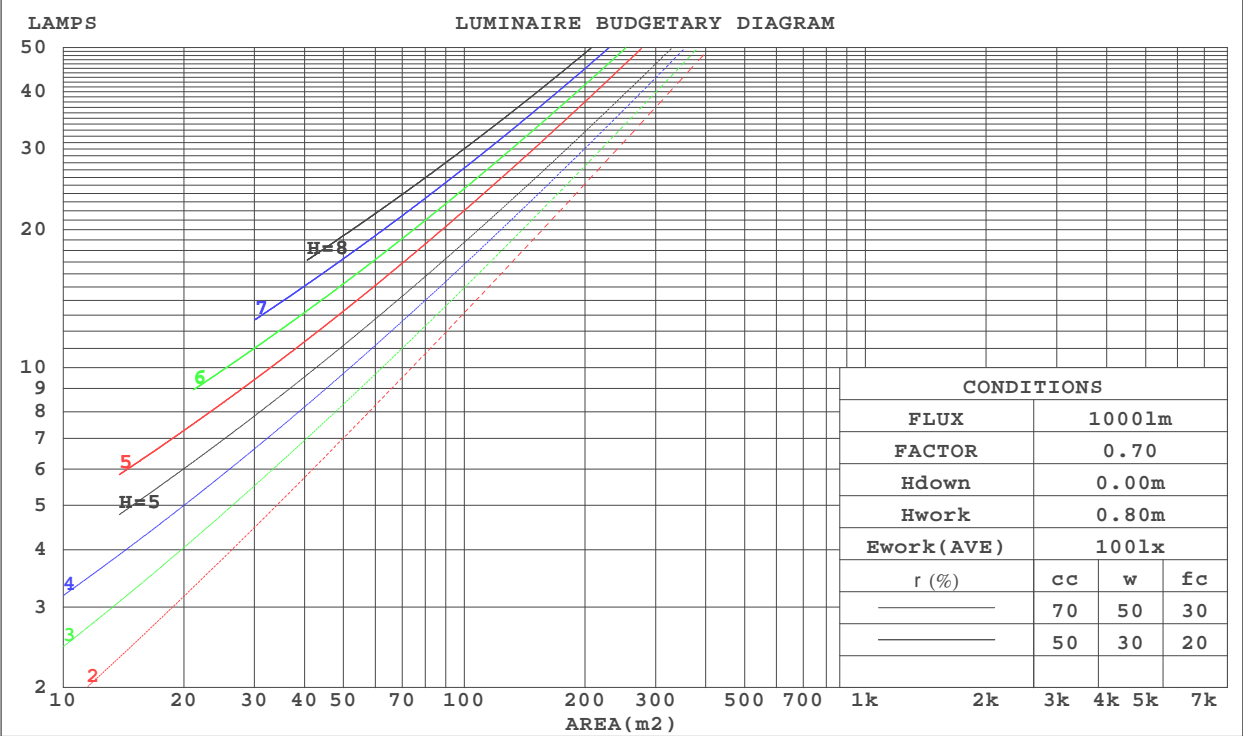
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-30

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

Test:U:120.3V I:0.1520A P:17.67W PF:0.9668 Lamp Flux:1875.65x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-2700KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-2700KM.:	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															



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:120.3V I:0.1520A P:17.67W PF:0.9668 Lamp Flux:1875.65x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-2700KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-2700KM.:	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	.248	.141	.045	.241	.138	.044	.228	.131	.042	.216	.125	.040	.205	.119	.038	
2.0	.239	.131	.040	.233	.128	.040	.222	.123	.038	.211	.119	.037	.202	.114	.036	
3.0	.226	.120	.036	.220	.118	.036	.211	.114	.035	.201	.110	.034	.193	.107	.033	
4.0	.212	.110	.032	.207	.109	.032	.199	.105	.031	.191	.102	.031	.183	.100	.030	
5.0	.199	.101	.029	.195	.100	.029	.187	.098	.029	.180	.095	.028	.173	.093	.028	
6.0	.187	.094	.027	.184	.093	.027	.177	.091	.026	.170	.089	.026	.164	.087	.026	
7.0	.176	.087	.025	.173	.086	.025	.167	.084	.024	.161	.083	.024	.156	.081	.024	
8.0	.166	.081	.023	.164	.081	.023	.158	.079	.023	.153	.077	.022	.148	.076	.022	
9.0	.157	.076	.021	.155	.075	.021	.150	.074	.021	.145	.073	.021	.141	.072	.021	
10.0	.149	.071	.020	.147	.071	.020	.142	.070	.020	.138	.069	.019	.134	.067	.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	.191	.191	.191	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.177	.158	.140	.151	.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	.115	.071	.038	.080	.050	.027	.046	.029	.016	.015	.010	.005	
7.0	.128	.075	.037	.110	.065	.032	.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	.116	.064	.028	.100	.055	.025	.070	.039	.017	.040	.023	.010	.013	.008	.003	
10.0	.111	.059	.025	.096	.052	.022	.067	.036	.015	.039	.021	.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:120.3V I:0.1520A P:17.67W PF:0.9668 Lamp Flux:1875.65x1 lm										
NAME: F172#Selectfit downlight 6寸HO手板样 L-2700KPE:LED						WEIGHT:				
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-2700K.:						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	13.2	14.5	13.5	14.7	14.9	13.0	14.3	13.2	14.5	14.6
3H	13.7	14.9	14.0	15.2	15.4	13.4	14.6	13.7	14.9	15.1
4H	14.0	15.1	14.3	15.4	15.6	13.7	14.8	14.0	15.0	15.3
6H	14.2	15.3	14.5	15.6	15.8	13.8	14.9	14.1	15.2	15.4
8H	14.3	15.3	14.6	15.6	15.9	13.9	14.9	14.2	15.2	15.4
12H	14.3	15.3	14.6	15.6	15.9	13.8	14.8	14.2	15.1	15.4
4H 2H	13.4	14.5	13.7	14.7	15.0	13.1	14.3	13.5	14.5	14.8
3H	14.1	15.1	14.4	15.3	15.6	13.8	14.8	14.1	15.1	15.4
4H	14.5	15.4	14.8	15.7	16.0	14.2	15.0	14.5	15.4	15.7
6H	14.8	15.6	15.2	16.0	16.3	14.4	15.2	14.8	15.6	15.9
8H	14.9	15.7	15.3	16.0	16.4	14.5	15.2	14.9	15.6	16.0
12H	15.0	15.6	15.4	16.0	16.4	14.5	15.2	14.9	15.5	15.9
8H 4H	14.6	15.3	15.0	15.7	16.0	14.3	15.0	14.7	15.4	15.7
6H	15.0	15.6	15.5	16.0	16.5	14.6	15.2	15.1	15.7	16.1
8H	15.2	15.7	15.7	16.2	16.6	14.8	15.3	15.2	15.7	16.2
12H	15.3	15.8	15.8	16.2	16.7	14.8	15.2	15.3	15.7	16.2
12H 4H	14.5	15.2	15.0	15.6	16.0	14.3	14.9	14.7	15.3	15.7
6H	15.0	15.6	15.5	16.0	16.4	14.7	15.2	15.1	15.6	16.1
8H	15.2	15.7	15.7	16.1	16.6	14.8	15.3	15.3	15.7	16.2
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 / - 0.4				
2.0H	+ 1.2 / - 1.1					+ 1.4 / - 1.2				

CIE Pub.117 Corrected 1876 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.2)

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:120.3V I:0.1520A P:17.67W PF:0.9668 Lamp Flux:1875.65x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-2700K	TYPE:LED	WEIGHT:
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-2700K	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	58	52	67	57	52	66	57	51	46
0.80	77	68	62	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	81	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	106	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:120.3V I:0.1520A P:17.67W PF:0.9668 Lamp Flux:1875.65x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-2700KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-2700KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

1336.1 lm

%lum = 71.2%

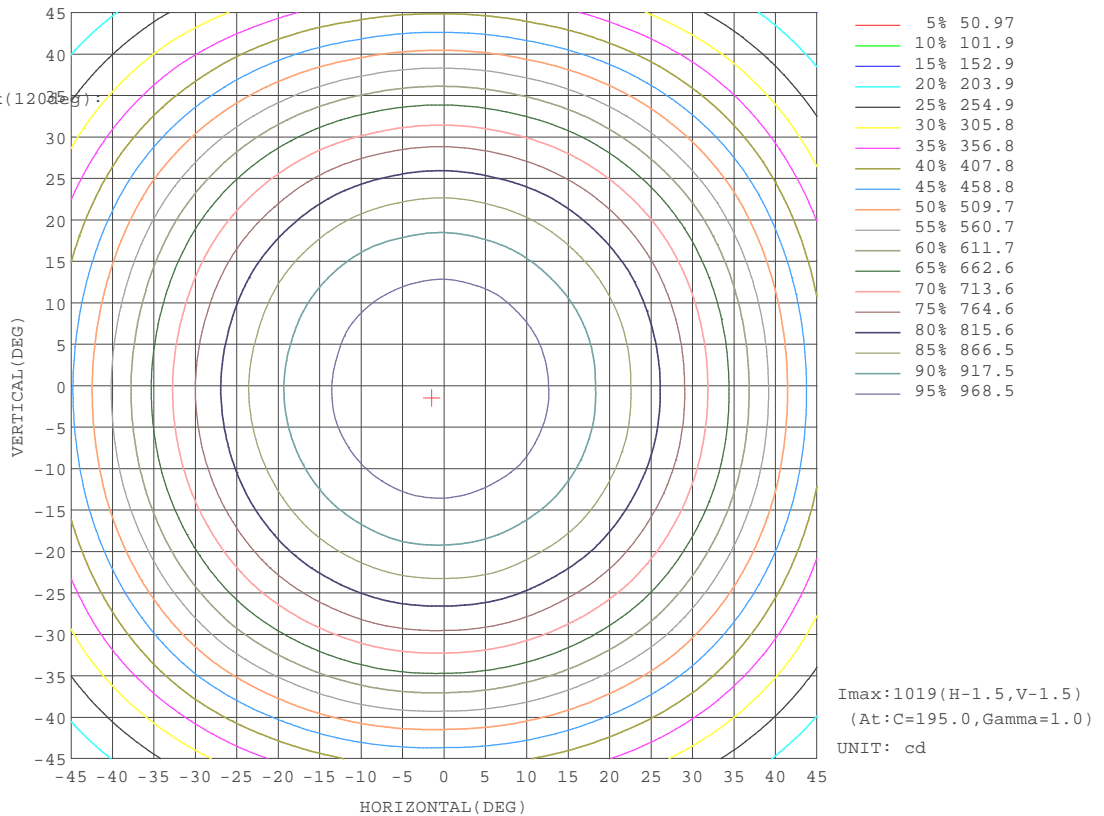
%lamp = 71.2%

Conical surface Flux(120deg):

1696.1 lm

%lum = 90.4%

%lamp = 90.4%

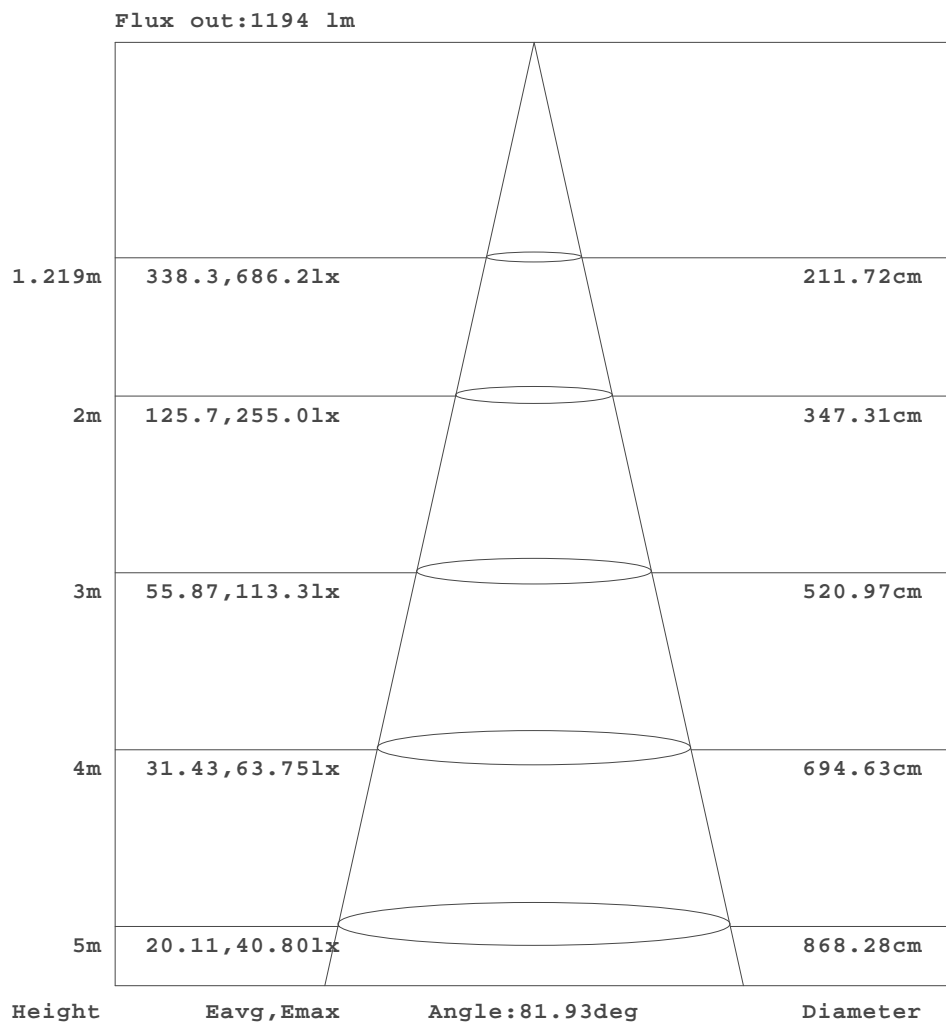


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-30

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

### AAI Figure

Test:U:120.3V I:0.1520A P:17.67W PF:0.9668 Lamp Flux:1875.65x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-2700K	TYPE:LED	WEIGHT:
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-2700K	MODEL:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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

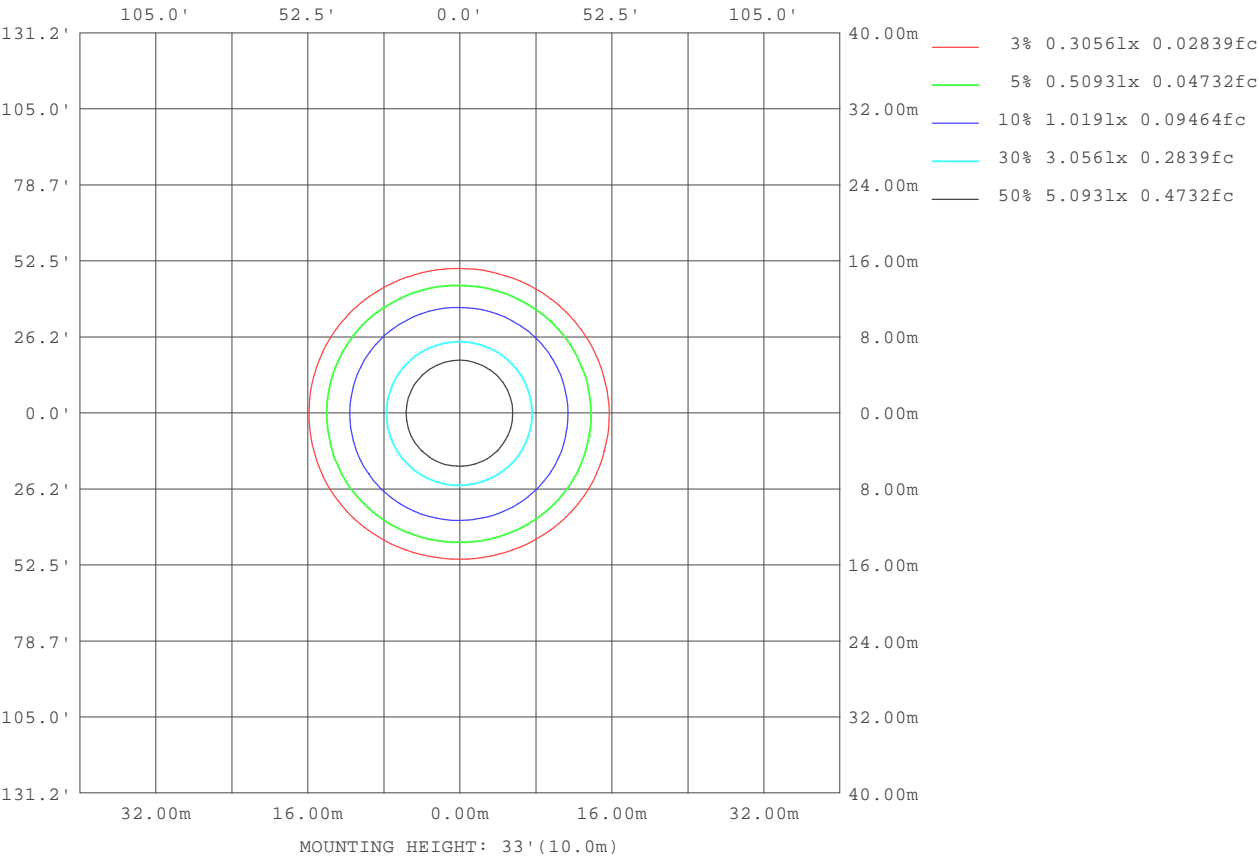
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-30

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

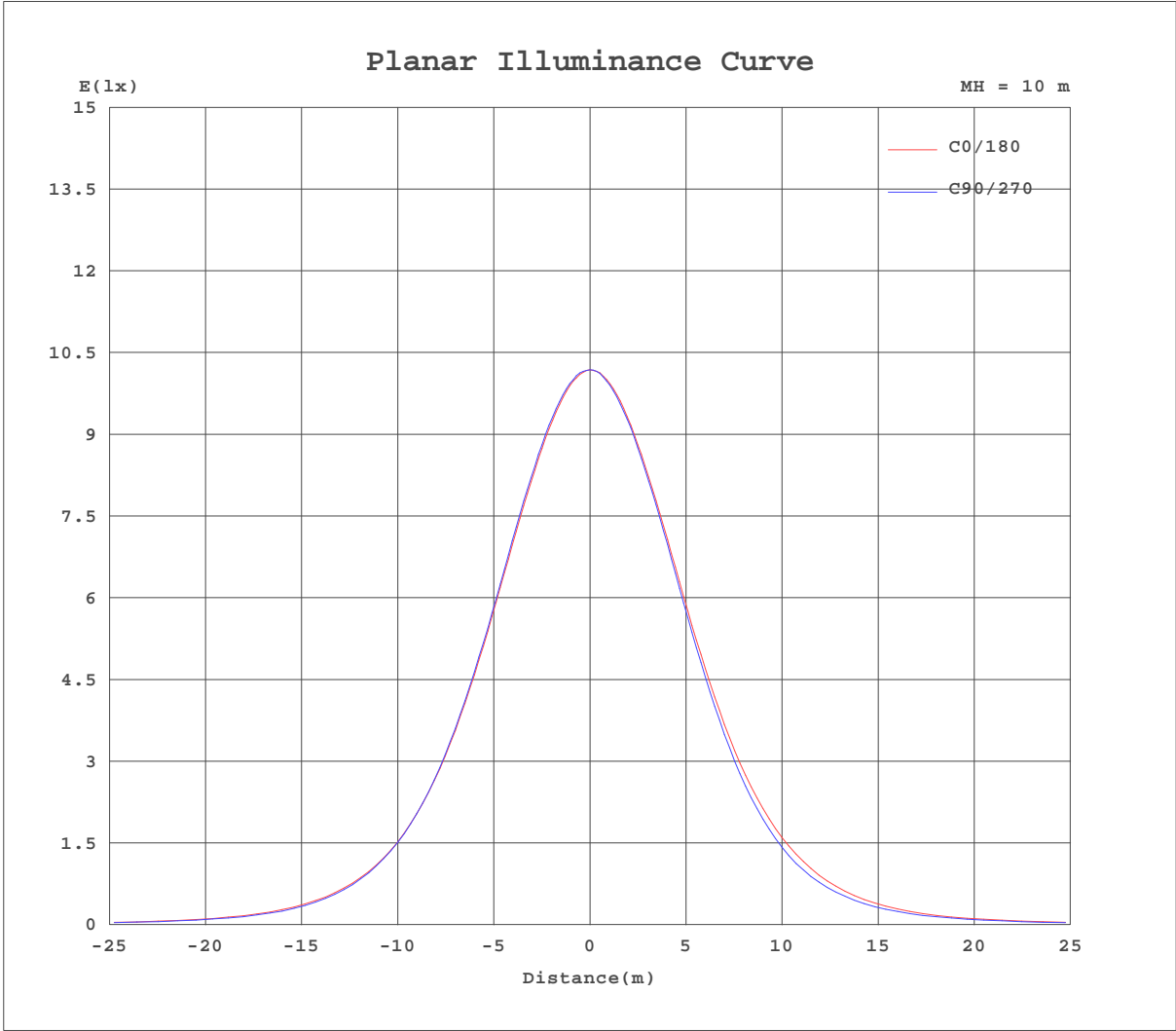
Test:U:120.3V I:0.1520A P:17.67W PF:0.9668 Lamp Flux:1875.65x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-2700KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-2700KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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