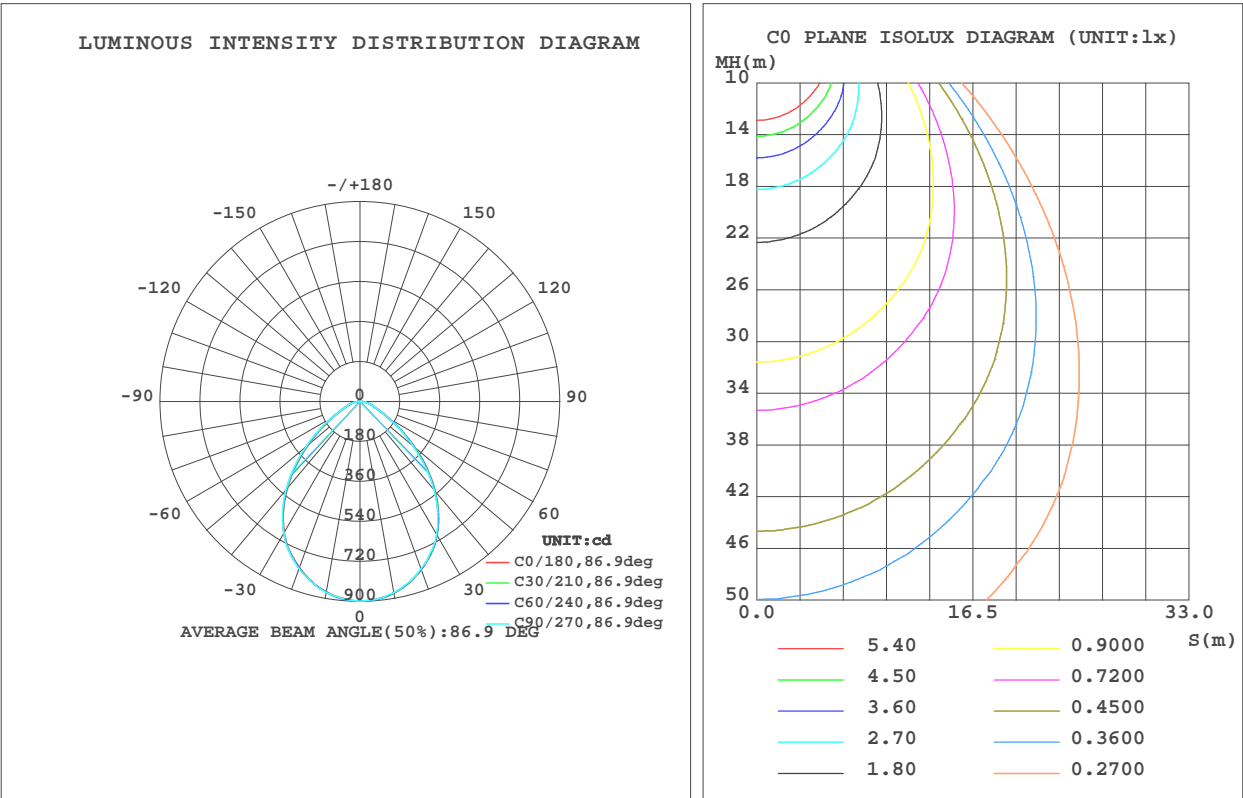


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.2V I:0.1300A P:15.18W PF:0.9701 Lamp Flux:1728.35x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 M-3500KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 M-3500KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 113.86 lm/W			
MODEL		Imax(cd)	899.1	S/MH(C0/180)	1.16
NOMINAL POWER(W)	15.18	LOR(%)	100.0	S/MH(C90/270)	1.15
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1728.3	h UP,DN(C0-180)	0.1,49.9
NOMINAL FLUX(lm)	1728.35	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.1,50.0
LAMPS INSIDE	1	h up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	h down(%)	99.9	CIBSE SHR MAX	1.25



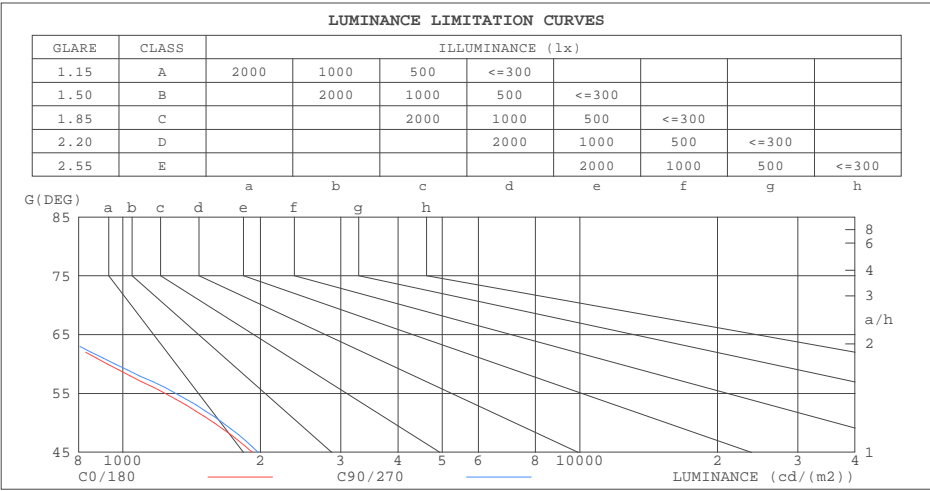
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-30

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

# 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	870.5	872.3	873.3	874.8	875.8	876.4	874.0	873.3	0~ 10	84.59	84.59	4.89
20	796.8	800.5	800.1	803.3	805.7	805.0	802.7	800.2	10~ 20	237.4	322.0	18.6
30	683.9	686.8	687.5	692.1	693.8	694.3	690.6	686.5	20~ 30	345.5	667.6	38.6
40	508.3	513.1	517.7	525.7	528.2	524.0	518.0	511.1	30~ 40	379.5	1047	60.6
50	305.6	308.7	319.2	323.7	325.0	323.6	312.3	307.1	40~ 50	321.3	1368	79.2
60	138.7	142.5	144.3	147.8	148.1	147.0	144.7	139.2	50~ 60	199.7	1568	90.7
70	63.91	63.85	63.87	64.81	64.62	64.29	64.20	63.73	60~ 70	95.21	1663	96.2
80	30.45	30.33	28.60	29.46	29.96	29.76	29.93	30.24	70~ 80	50.30	1714	99.1
90	0.0013	0	0	0	0	0	0	0	80~ 90	12.68	1726	99.9
100	0	0	0	0	0	0	0	0	90~100	0.0000	1726	99.9
110	0	0	0	0	0	0	0	0	100~110	0	1726	99.9
120	0	0	0	0	0	0	0	0	110~120	0	1726	99.9
130	0.1848	0.2595	0.1910	0.2349	0.2836	0.2406	0.3023	0.2527	120~130	0.0737	1726	99.9
140	0.5917	0.6668	0.5916	0.6359	0.6845	0.6411	0.7155	0.6537	130~140	0.3381	1727	99.9
150	0.9922	1.062	0.9984	1.043	1.079	1.036	1.110	1.048	140~150	0.5302	1727	99.9
160	1.331	1.395	1.337	1.394	1.412	1.358	1.431	1.375	150~160	0.5610	1728	100
170	1.541	1.617	1.554	1.616	1.628	1.567	1.618	1.579	160~170	0.4212	1728	100
180	1.652	1.642	1.652	1.659	1.646	1.642	1.646	1.653	170~180	0.1556	1728	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	462	348
80	585	549
75	621	606
70	623	623
65	718	727
60	925	962
55	1239	1307
50	1585	1656
45	1921	1977

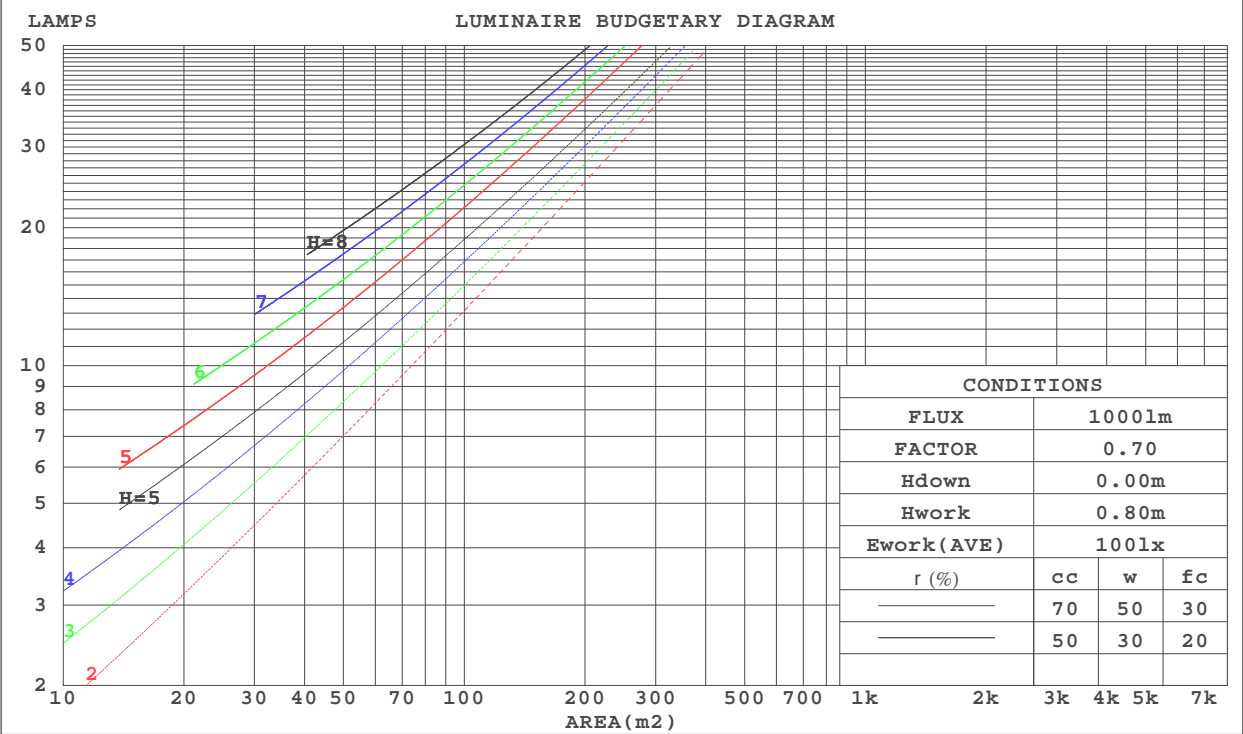
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-30

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:120.2V I:0.1300A P:15.18W PF:0.9701 Lamp Flux:1728.35x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 M-3500KTYPE:LED		WEIGHT:
SPEC.:F172#Selectfit downlight 8寸手板样 M-3500KDIM.:		SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

r <sub>cc</sub>	80%			70%			50%			30%			10%			0
r <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r <sub>fc</sub>	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:120.2V I:0.1300A P:15.18W PF:0.9701 Lamp Flux:1728.35x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 M-3500KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 M-3500KDIM.:	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	.250	.142	.045	.243	.138	.044	.230	.132	.042	.218	.126	.040	.207	.120	.039	
2.0	.240	.132	.040	.234	.129	.040	.223	.124	.038	.212	.119	.037	.203	.115	.036	
3.0	.227	.121	.036	.222	.119	.036	.212	.115	.035	.203	.111	.034	.194	.108	.033	
4.0	.213	.111	.033	.209	.109	.032	.200	.106	.032	.192	.103	.031	.184	.100	.031	
5.0	.200	.102	.030	.196	.101	.029	.189	.098	.029	.181	.096	.028	.175	.093	.028	
6.0	.189	.095	.027	.185	.093	.027	.178	.091	.027	.172	.089	.026	.166	.087	.026	
7.0	.178	.088	.025	.174	.087	.025	.168	.085	.024	.162	.083	.024	.157	.082	.024	
8.0	.168	.082	.023	.165	.081	.023	.159	.080	.023	.154	.078	.023	.149	.077	.022	
9.0	.158	.077	.021	.156	.076	.021	.151	.075	.021	.146	.073	.021	.142	.072	.021	
10.0	.150	.072	.020	.148	.071	.020	.143	.070	.020	.139	.069	.020	.135	.068	.020	

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	.152	.135	.121	.104	.093	.083	.060	.054	.048	.019	.017	.016	
2.0	.166	.133	.105	.142	.115	.091	.098	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.157	.115	.081	.135	.099	.071	.092	.069	.049	.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	.142	.090	.053	.122	.078	.046	.084	.055	.032	.049	.032	.019	.016	.010	.006	
6.0	.135	.082	.044	.116	.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	.117	.064	.028	.101	.055	.024	.070	.039	.017	.041	.023	.010	.013	.008	.003	
10.0	.112	.060	.025	.096	.052	.022	.067	.036	.015	.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:0.1300A P:15.18W PF:0.9701 Lamp Flux:1728.35x1 lm										
NAME: F172#Selectfit downlight 8寸手板样 M-3500KTYPE:LED								WEIGHT:		
SPEC.:F172#Selectfit downlight 8寸手板样 M-3500KDIM.:								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	12.8	14.1	13.1	14.3	14.5	13.0	14.3	13.2	14.5	14.7
3H	13.2	14.4	13.5	14.6	14.9	13.3	14.6	13.6	14.8	15.0
4H	13.4	14.6	13.7	14.8	15.1	13.5	14.7	13.8	14.9	15.2
6H	13.6	14.7	14.0	15.0	15.3	13.7	14.8	14.0	15.1	15.3
8H	13.7	14.7	14.0	15.0	15.3	13.8	14.8	14.1	15.1	15.3
12H	13.7	14.7	14.1	15.0	15.3	13.8	14.8	14.1	15.0	15.3
4H 2H	12.9	14.1	13.2	14.3	14.6	13.1	14.2	13.4	14.5	14.7
3H	13.5	14.5	13.9	14.8	15.1	13.6	14.6	14.0	14.9	15.2
4H	13.9	14.8	14.2	15.1	15.4	14.0	14.9	14.3	15.2	15.5
6H	14.2	15.0	14.6	15.3	15.7	14.2	15.0	14.6	15.4	15.7
8H	14.3	15.1	14.7	15.4	15.8	14.3	15.1	14.7	15.4	15.8
12H	14.4	15.1	14.8	15.4	15.8	14.4	15.0	14.8	15.4	15.8
8H 4H	14.0	14.7	14.4	15.1	15.4	14.0	14.8	14.5	15.1	15.5
6H	14.4	15.0	14.9	15.4	15.9	14.4	15.1	14.9	15.5	15.9
8H	14.6	15.2	15.1	15.6	16.0	14.6	15.1	15.1	15.6	16.0
12H	14.8	15.2	15.2	15.7	16.1	14.7	15.1	15.2	15.6	16.1
12H 4H	14.0	14.6	14.4	15.0	15.4	14.0	14.7	14.5	15.1	15.5
6H	14.5	15.0	14.9	15.4	15.9	14.5	15.0	14.9	15.4	15.9
8H	14.7	15.1	15.2	15.6	16.1	14.7	15.1	15.1	15.6	16.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.8					+ 0.6 / - 0.7				
1.5H	+ 0.3 / - 0.3					+ 0.4 / - 0.3				
2.0H	+ 1.4 / - 1.3					+ 1.5 / - 1.4				

CIE Pub.117 Corrected 1728 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.9)

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:0.1300A P:15.18W PF:0.9701 Lamp Flux:1728.35x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 M-3500K	TYPE:LED	WEIGHT:
SPEC.:F172#Selectfit downlight 8寸手板样 M-3500K	DIM.:	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	66	56	51	65	56	50	45
0.80	77	67	61	76	67	61	74	66	60	54
1.00	85	75	69	83	75	69	81	76	69	63
1.25	91	82	77	90	82	76	87	80	76	69
1.50	95	87	82	94	87	81	91	85	80	74
2.00	101	94	89	99	93	88	96	91	87	80
2.50	104	97	93	102	96	92	98	94	90	83
3.00	106	101	97	104	99	95	100	97	93	86
4.00	109	105	101	107	103	100	103	100	97	89
5.00	111	107	104	109	105	102	104	102	99	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

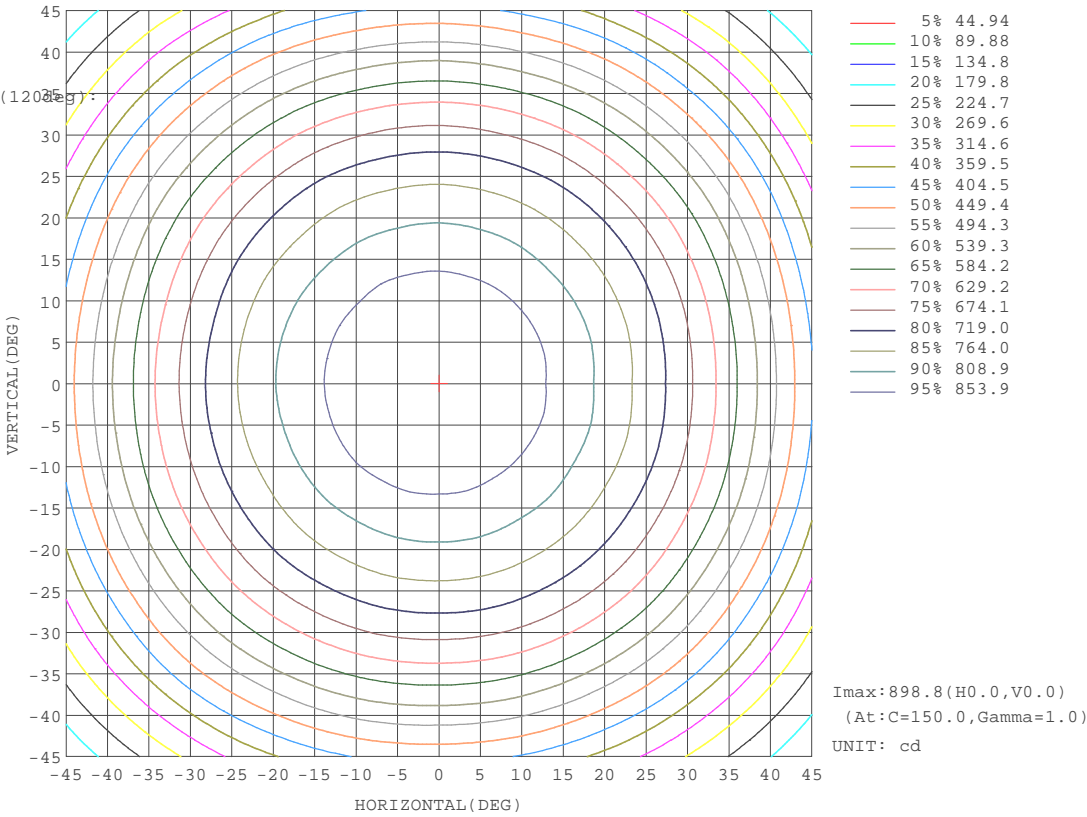
g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:10.627m [K=1.0000]  
 Remarks: TRP-240925SHA-01\_F172  
 T409251

ISOCANDELA DIAGRAM

Test:U:120.2V I:0.1300A P:15.18W PF:0.9701 Lamp Flux:1728.35x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 M-3500KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 M-3500KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):  
1220.5 lm  
%lum = 70.6%  
%lamp = 70.6%

Conical surface Flux(120deg):  
1568.1 lm  
%lum = 90.7%  
%lamp = 90.7%



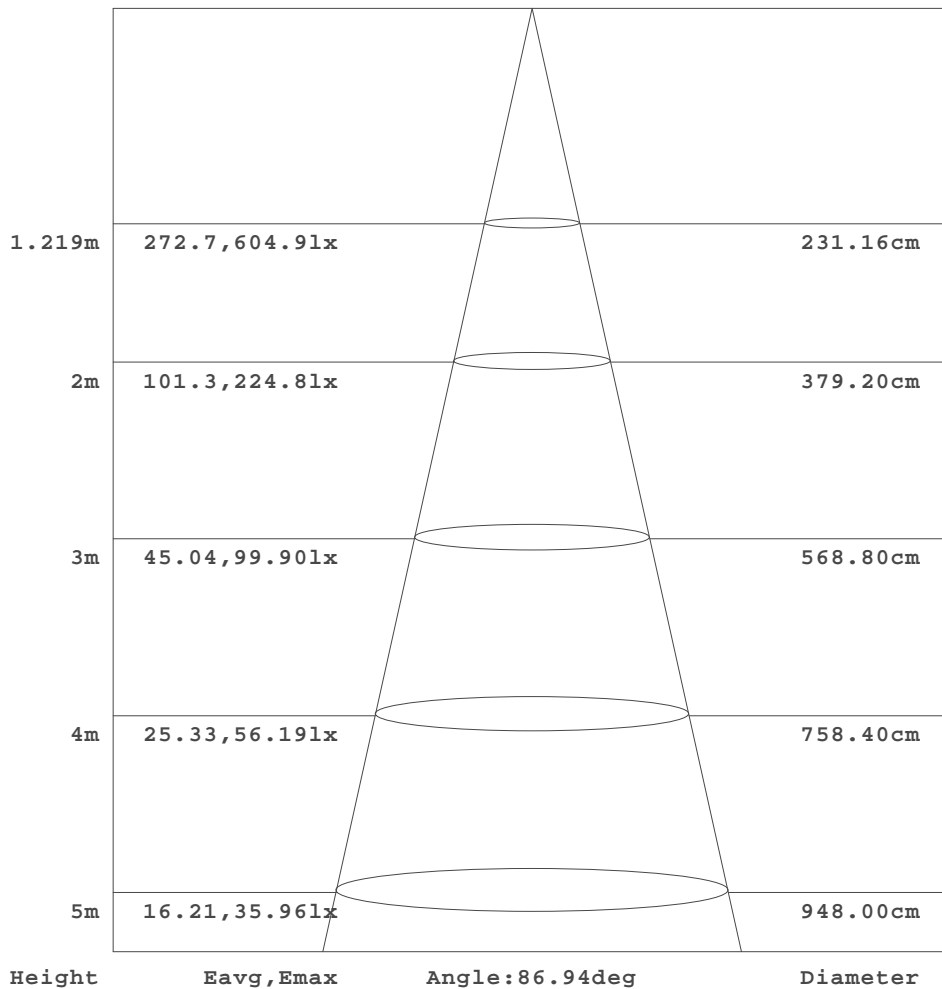
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-30

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:120.2V I:0.1300A P:15.18W PF:0.9701 Lamp Flux:1728.35x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 M-3500KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 M-3500KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:1188 lm



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

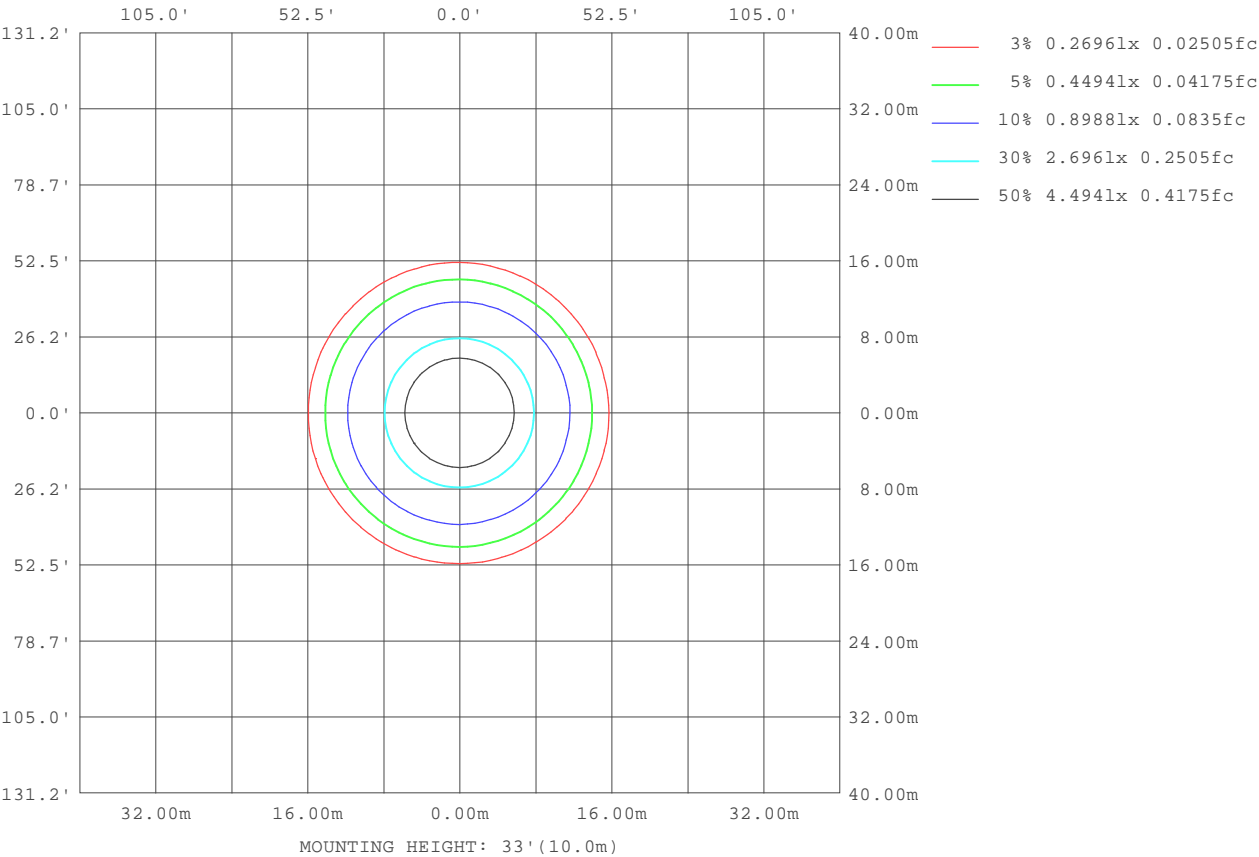
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Aaron  
 Test Date: 2024-09-30

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

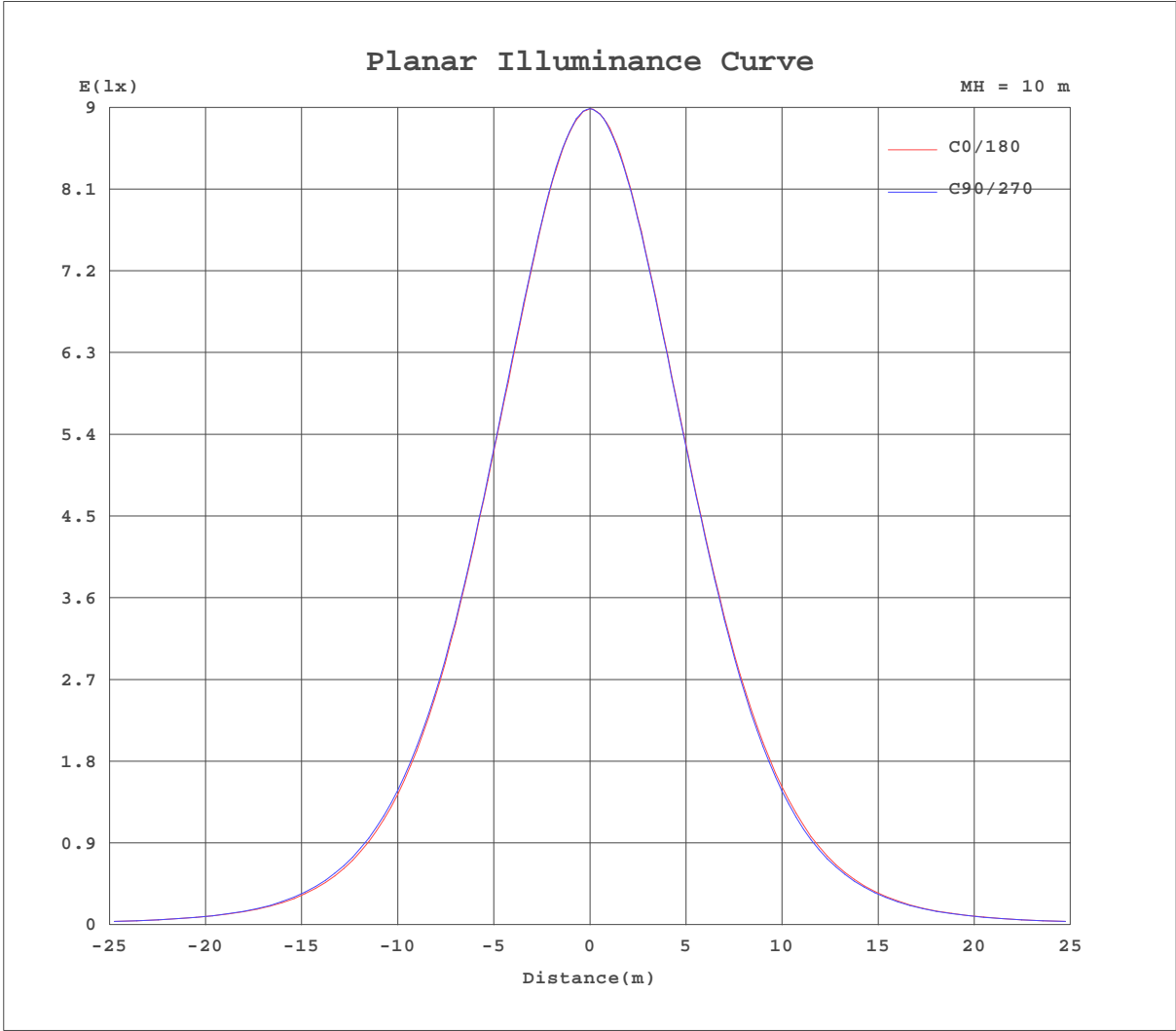
Test:U:120.2V I:0.1300A P:15.18W PF:0.9701 Lamp Flux:1728.35x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 M-3500KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 M-3500KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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