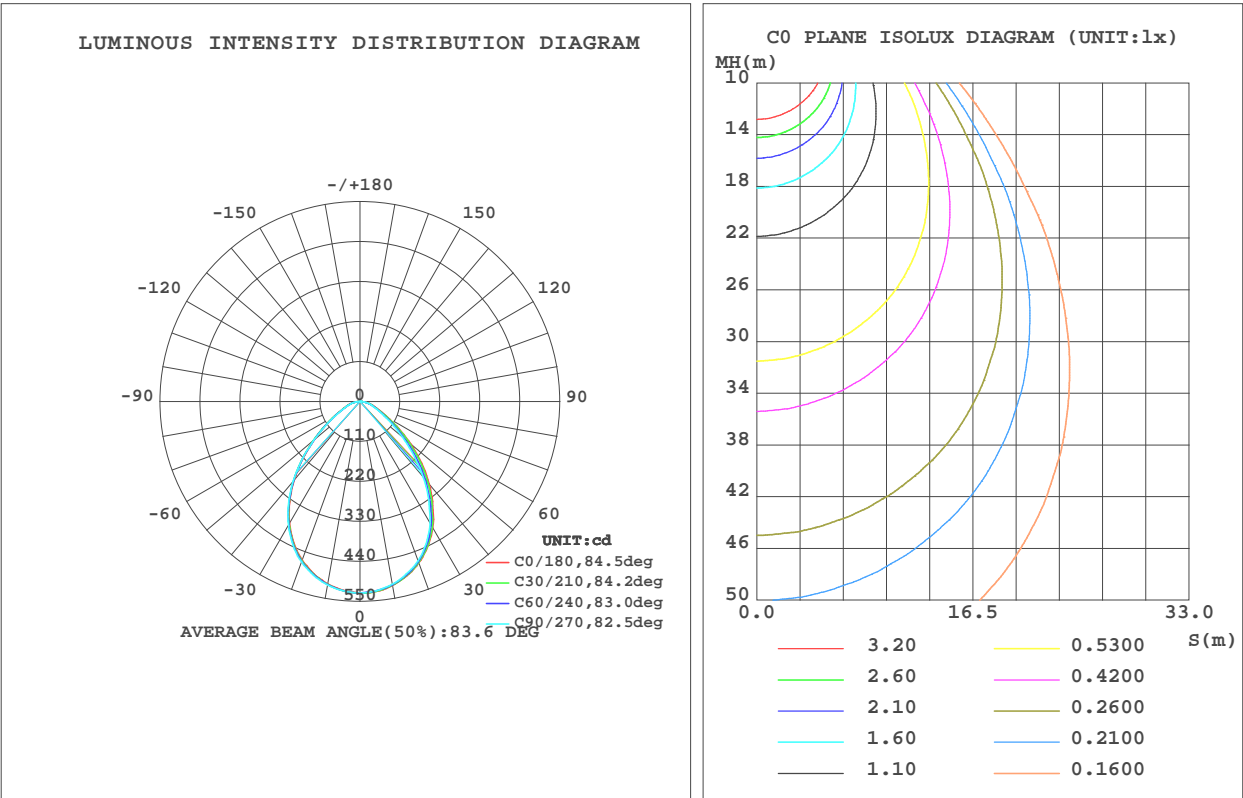


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.4V I:0.0808A P:8.700W PF:0.8917 Lamp Flux:975.032x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 L-3500KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸手板样 L-3500KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 112.07 lm/W			
MODEL		Imax(cd)	527.8	S/MH(C0/180)	1.15
NOMINAL POWER(W)	8.7	LOR(%)	100.0	S/MH(C90/270)	1.12
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	975.03	h UP,DN(C0-180)	0.0,50.4
NOMINAL FLUX(lm)	975.032	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,49.5
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



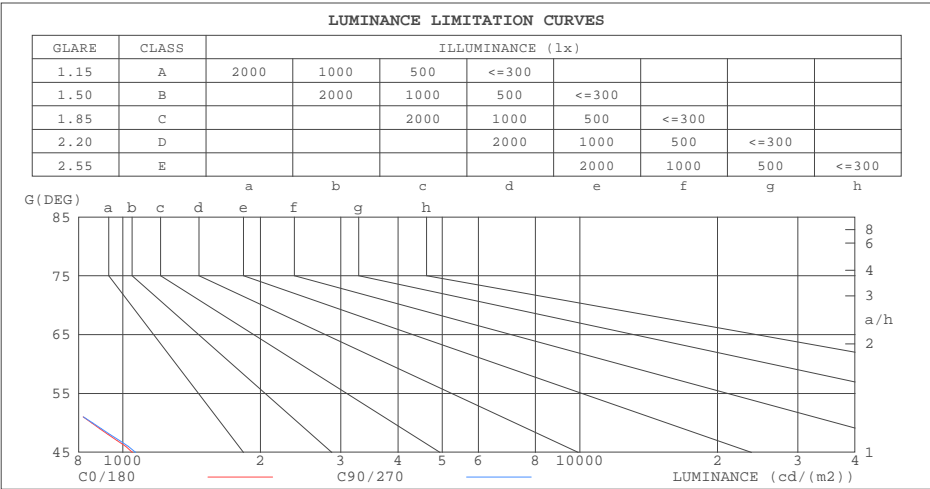
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-14

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-240913SHA-02\_F172  
T409132

# 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	509.5	511.3	512.9	514.2	514.4	512.4	510.9	509.8	0- 10	49.57	49.57	5.08
20	464.7	468.0	469.8	473.5	472.8	470.8	466.7	465.5	10- 20	139.0	188.5	19.3
30	387.3	391.3	394.2	400.4	400.6	393.7	386.9	385.7	20- 30	199.6	388.2	39.8
40	281.3	282.8	286.2	296.0	296.7	288.0	270.6	276.8	30- 40	212.3	600.4	61.6
50	165.2	168.9	165.6	180.8	183.2	170.4	153.2	158.4	40- 50	173.6	774.0	79.4
60	80.49	80.76	77.52	86.61	89.29	81.79	73.40	75.42	50- 60	107.3	881.4	90.4
70	40.27	39.25	38.65	41.02	42.75	39.87	38.13	38.31	60- 70	56.58	937.9	96.2
80	17.84	16.67	15.37	17.81	17.95	17.24	15.61	16.59	70- 80	30.16	968.1	99.3
90	0	0	0	0	0	0	0	0	80- 90	6.372	974.5	99.9
100	0	0	0	0	0	0	0	0	90-100	0	974.5	99.9
110	0	0	0	0	0	0	0	0	100-110	0	974.5	99.9
120	0	0	0	0	0	0	0	0	110-120	0	974.5	99.9
130	0	0	0	0	0	0	0	0	120-130	0	974.5	99.9
140	0.0617	0.1294	0.0614	0.0619	0.1297	0.0616	0.1483	0.0986	130-140	0.0175	974.5	99.9
150	0.2777	0.3579	0.2649	0.2963	0.3459	0.2955	0.3822	0.3452	140-150	0.1266	974.6	100
160	0.4812	0.5608	0.4808	0.5121	0.5431	0.4928	0.5795	0.5117	150-160	0.1947	974.8	100
170	0.6294	0.6803	0.6492	0.6603	0.6446	0.6445	0.6800	0.6373	160-170	0.1653	975.0	100
180	0.6665	0.6963	0.6781	0.6724	0.6603	0.6840	0.6843	0.6724	170-180	0.0631	975.0	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	222	117
80	342	295
75	382	352
70	392	377
65	445	423
60	536	517
55	680	669
50	856	859
45	1050	1066

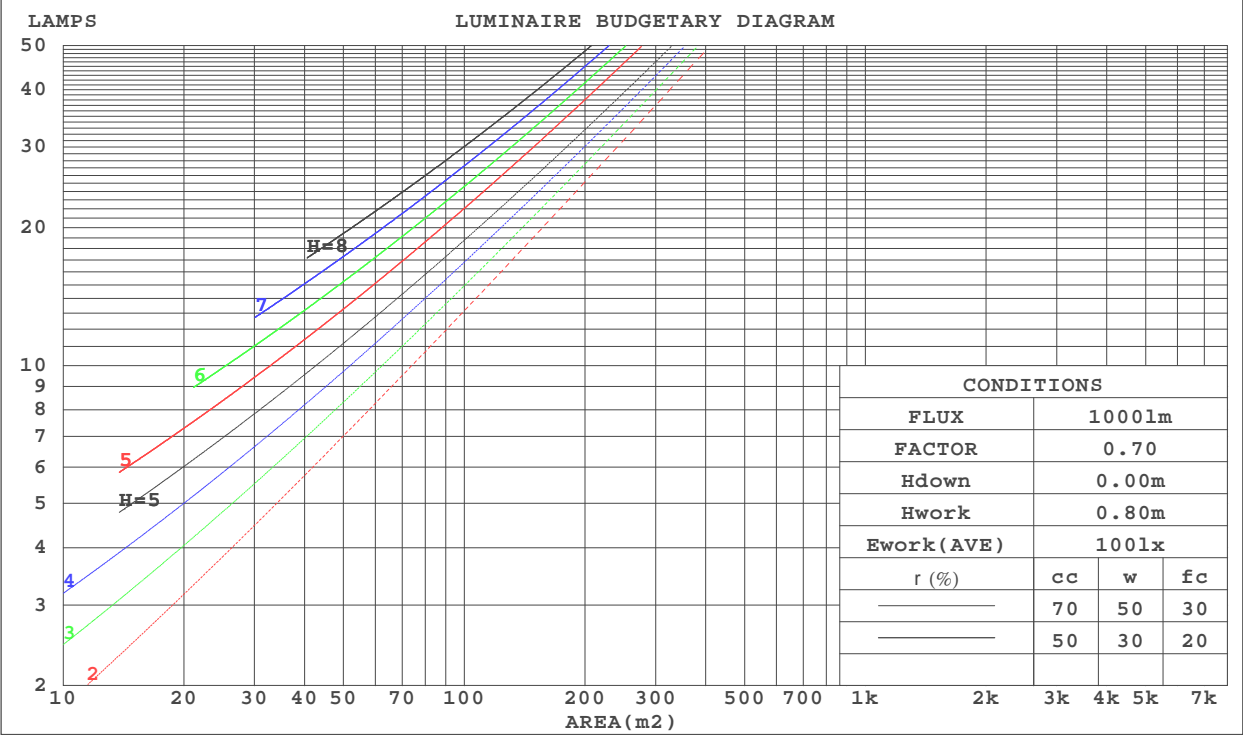
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-14

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-240913SHA-02\_F172  
T409132

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.4V I:0.0808A P:8.700W PF:0.8917 Lamp Flux:975.032x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 L-3500KTYPE:LED		WEIGHT:
SPEC.:F172#Selectfit downlight 6寸手板样 L-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															



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-14

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-240913SHA-02\_F172  
T409132

## WEC AND CCEC

Test:U:120.4V I:0.0808A P:8.700W PF:0.8917 Lamp Flux:975.032x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 L-3500KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸手板样 L-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	.249	.141	.045	.242	.138	.044	.229	.131	.042	.217	.125	.040	.206	.119	.038	
2.0	.239	.131	.040	.233	.129	.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	.176	.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	.157	.076	.021	.155	.075	.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	.191	.191	.191	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.177	.157	.140	.151	.135	.120	.103	.093	.083	.059	.054	.048	.019	.017	.016	
2.0	.166	.133	.105	.142	.114	.091	.097	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.156	.114	.081	.134	.099	.070	.092	.069	.049	.053	.040	.029	.017	.013	.010	
4.0	.148	.101	.064	.127	.087	.056	.087	.061	.039	.051	.035	.023	.016	.012	.008	
5.0	.141	.090	.052	.121	.078	.045	.083	.054	.032	.048	.032	.019	.016	.010	.006	
6.0	.134	.081	.043	.115	.070	.038	.079	.049	.027	.046	.029	.016	.015	.009	.005	
7.0	.127	.074	.037	.110	.064	.032	.076	.045	.023	.044	.027	.013	.014	.009	.004	
8.0	.122	.068	.032	.105	.059	.028	.072	.042	.020	.042	.025	.012	.014	.008	.004	
9.0	.116	.063	.028	.100	.055	.024	.069	.039	.017	.040	.023	.010	.013	.007	.003	
10.0	.111	.059	.024	.096	.051	.021	.066	.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:2024-09-14

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-240913SHA-02\_F172  
T409132

UGR(Unified Glare Rating) Table

Test:U:120.4V I:0.0808A P:8.700W PF:0.8917 Lamp Flux:975.032x1 lm											
NAME: F172#Selectfit downlight 6寸手板样 L-3500KTYPE:LED								WEIGHT:			
SPEC.:F172#Selectfit downlight 6寸手板样 L-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	10.8	12.1	11.0	12.3	12.5	10.7	12.0	10.9	12.2	12.4	
	3H	11.3	12.5	11.6	12.7	13.0	11.2	12.4	11.5	12.6	12.8
	4H	11.6	12.7	11.9	13.0	13.2	11.4	12.6	11.7	12.8	13.0
	6H	11.8	12.9	12.1	13.2	13.4	11.6	12.7	11.9	12.9	13.2
	8H	11.9	12.9	12.2	13.2	13.5	11.6	12.6	11.9	12.9	13.2
	12H	11.9	12.9	12.2	13.2	13.4	11.6	12.6	11.9	12.9	13.2
4H	2H	10.9	12.1	11.2	12.3	12.6	10.9	12.0	11.2	12.2	12.5
	3H	11.7	12.7	12.0	12.9	13.2	11.5	12.5	11.9	12.8	13.1
	4H	12.1	13.0	12.4	13.3	13.6	11.9	12.8	12.3	13.1	13.4
	6H	12.4	13.2	12.8	13.6	13.9	12.2	13.0	12.6	13.3	13.7
	8H	12.5	13.3	12.9	13.6	14.0	12.2	13.0	12.7	13.3	13.7
	12H	12.6	13.3	13.0	13.6	14.0	12.2	12.9	12.7	13.3	13.7
8H	4H	12.2	12.9	12.6	13.3	13.7	12.0	12.8	12.4	13.1	13.5
	6H	12.7	13.3	13.1	13.7	14.1	12.4	13.0	12.8	13.4	13.8
	8H	12.8	13.4	13.3	13.8	14.2	12.5	13.0	13.0	13.5	13.9
	12H	12.9	13.4	13.4	13.8	14.3	12.5	13.0	13.0	13.4	13.9
12H	4H	12.2	12.8	12.6	13.2	13.6	12.0	12.7	12.4	13.1	13.5
	6H	12.7	13.2	13.1	13.6	14.1	12.4	13.0	12.9	13.4	13.8
	8H	12.9	13.3	13.3	13.8	14.2	12.6	13.0	13.0	13.5	13.9
Variations with the observer position at spacings:											
S = 1.0H	+ 0.6 / - 0.7					+ 0.6 / - 0.8					
1.5H	+ 0.3 / - 0.4					+ 0.3 / - 0.4					
2.0H	+ 1.2 / - 1.0					+ 1.4 / - 1.2					

CIE Pub.117 Corrected 975.0 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.1)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-14

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-240913SHA-02\_F172  
T409132

## UTILIZATION FACTORS TABLE

Test:U:120.4V I:0.0808A P:8.700W PF:0.8917 Lamp Flux:975.032x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 L-3500KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸手板样 L-3500KDIM.:	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	51	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:2024-09-14

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-240913SHA-02\_F172  
 T409132

## ISOCANDELA DIAGRAM

Test:U:120.4V I:0.0808A P:8.700W PF:0.8917 Lamp Flux:975.032x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 L-3500KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸手板样 L-3500KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

694.77 lm

%lum = 71.3%

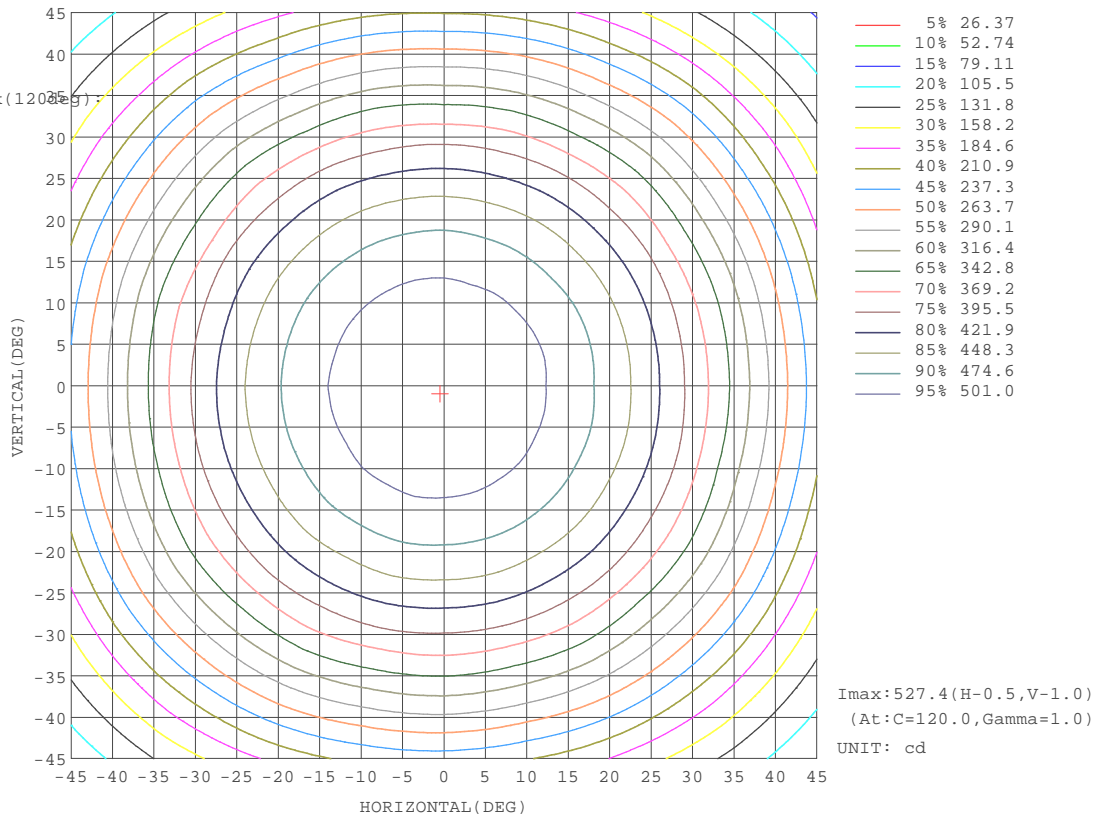
%lamp = 71.3%

Conical surface Flux(120deg):

881.35 lm

%lum = 90.4%

%lamp = 90.4%



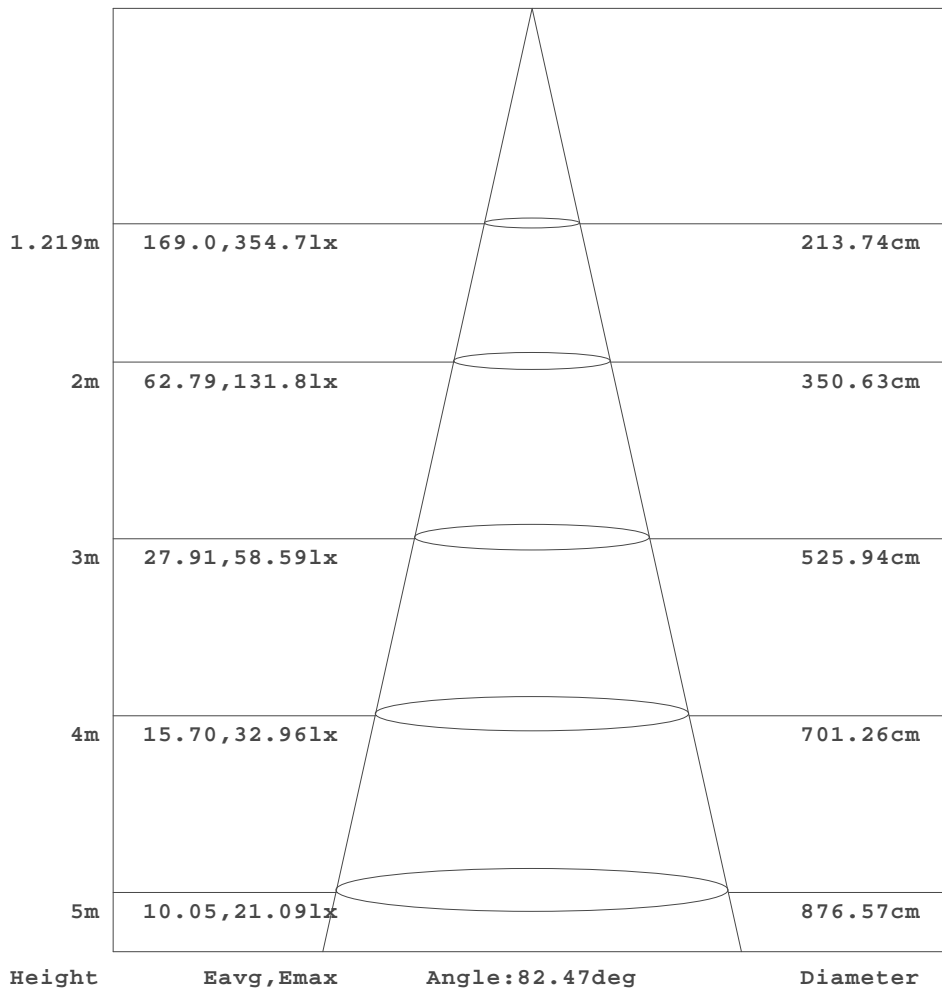
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-14

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-240913SHA-02\_F172  
T409132

## AAI Figure

Test:U:120.4V I:0.0808A P:8.700W PF:0.8917 Lamp Flux:975.032x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 L-3500KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸手板样 L-3500KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:639.7 lm



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

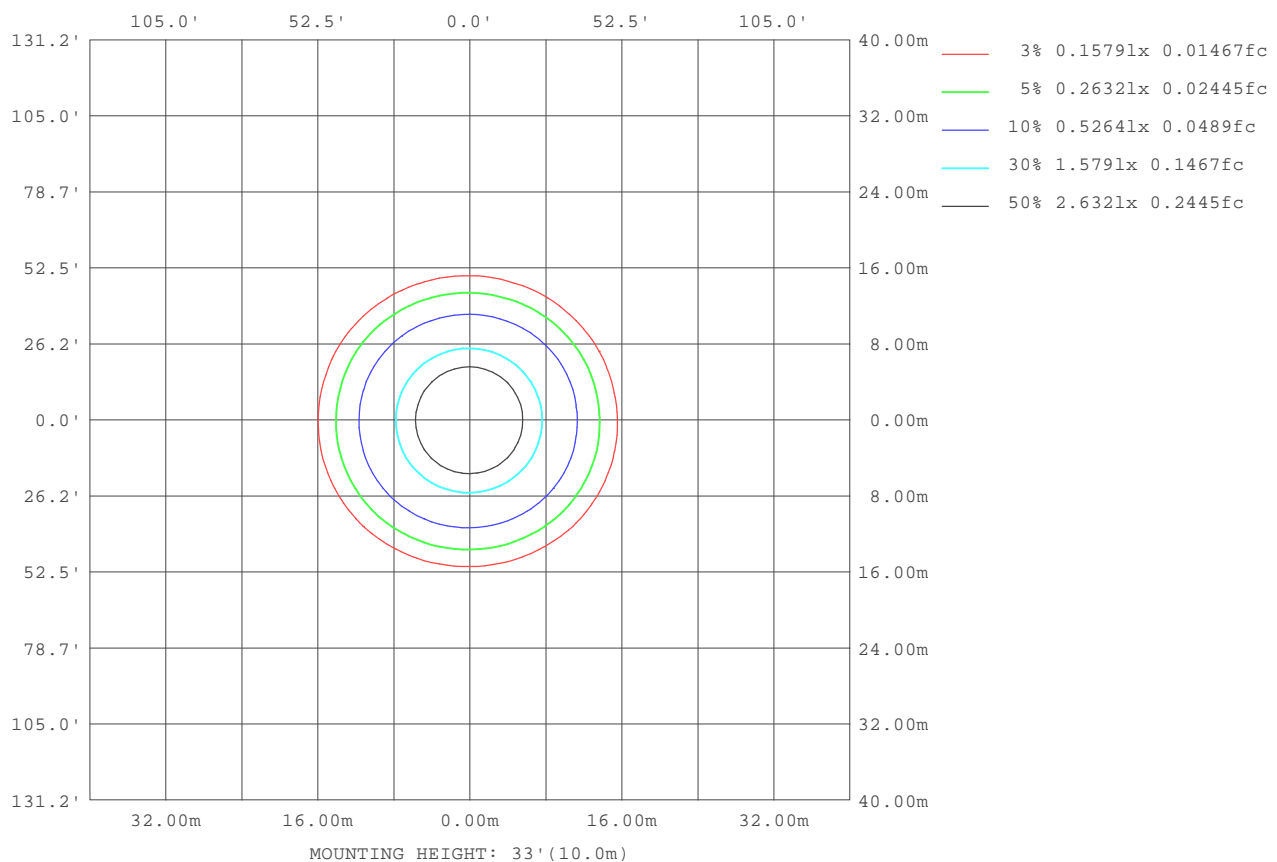
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Aaron  
 Test Date: 2024-09-14

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-240913SHA-02\_F172  
 T409132



## ISOLUX DIAGRAM

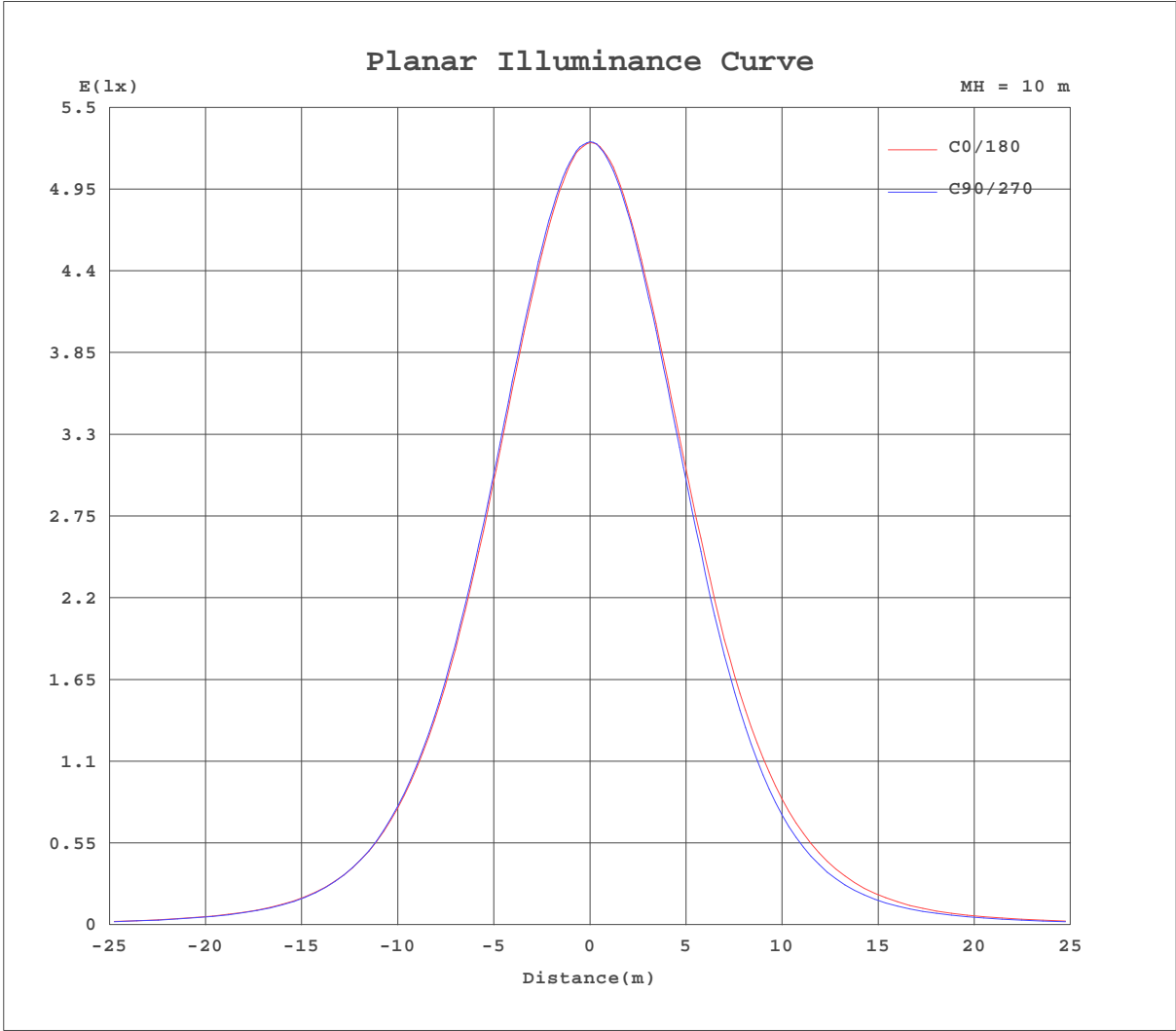
Test:U:120.4V I:0.0808A P:8.700W PF:0.8917 Lamp Flux:975.032x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 L-3500KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸手板样 L-3500KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-14

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-240913SHA-02\_F172  
T409132

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-14

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-240913SHA-02\_F172  
T409132