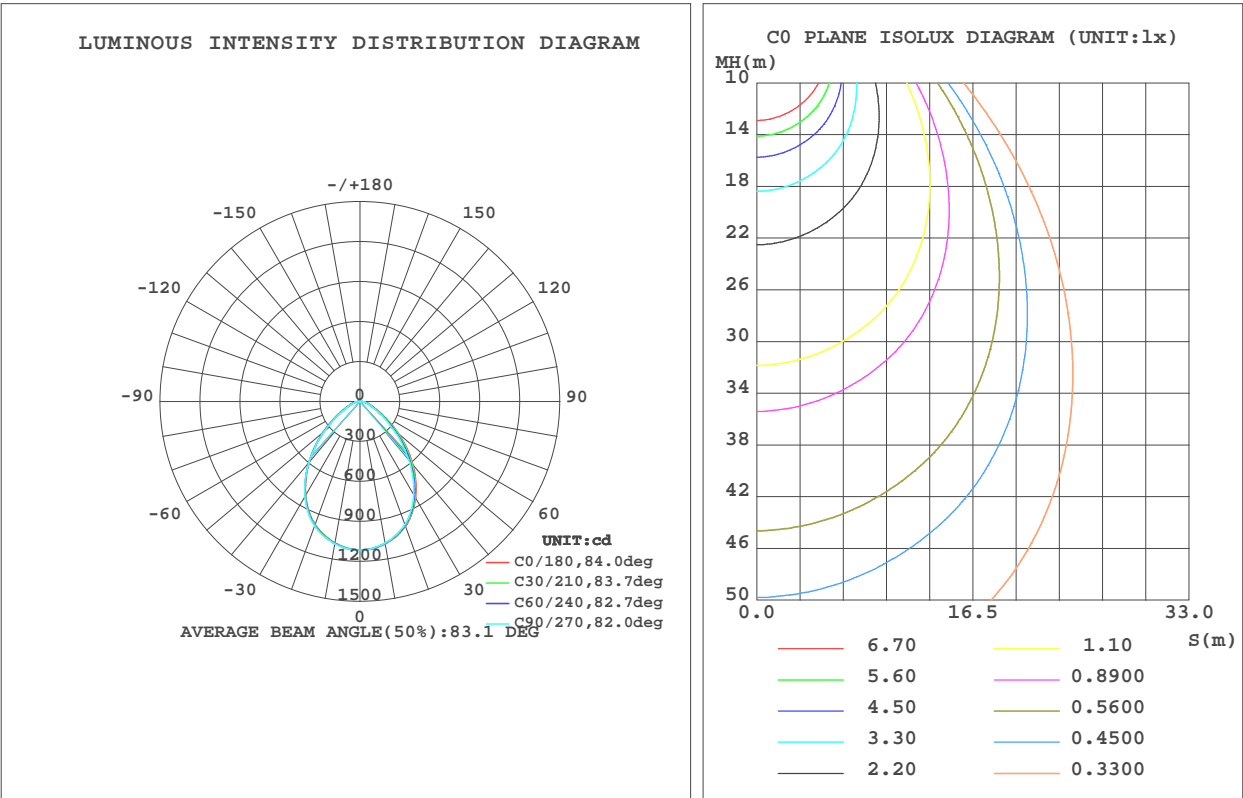


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.2V I:0.1498A P:17.39W PF:0.9665 Lamp Flux:2055.21x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-4000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-4000KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 118.18 lm/W			
MODEL		Imax(cd)	1115	S/MH(C0/180)	1.13
NOMINAL POWER(W)	17.39	LOR(%)	100.0	S/MH(C90/270)	1.11
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2055.2	h UP,DN(C0-180)	0.1,50.4
NOMINAL FLUX(lm)	2055.21	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



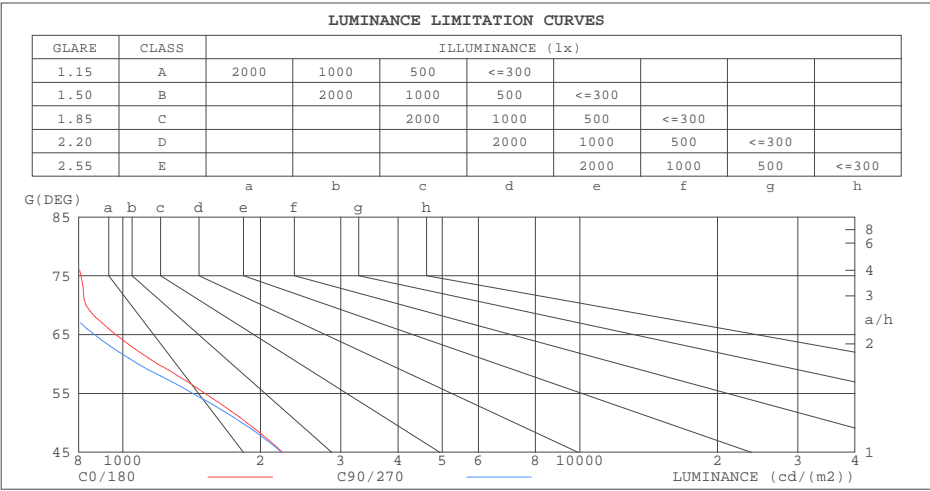
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-30

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	1079	1083	1086	1086	1085	1083	1080	1077	0- 10	104.8	104.8	5.1
20	983.6	990.2	994.0	997.3	996.9	990.3	984.0	980.5	10- 20	293.6	398.4	19.4
30	816.9	823.8	825.9	835.6	835.3	822.9	808.6	809.1	20- 30	419.9	818.3	39.8
40	592.6	599.6	596.5	616.3	617.7	594.9	569.7	579.0	30- 40	444.4	1263	61.4
50	360.5	364.2	352.1	375.4	381.8	360.4	326.4	342.5	40- 50	365.6	1628	79.2
60	178.6	175.1	162.2	178.3	185.8	172.7	157.2	164.8	50- 60	229.4	1858	90.4
70	85.18	82.07	79.74	83.23	87.08	82.01	78.84	80.42	60- 70	118.7	1976	96.2
80	38.01	35.38	31.68	36.02	36.29	35.76	32.87	35.58	70- 80	62.53	2039	99.2
90	0	0	0	0	0	0	0	0	80- 90	13.52	2052	99.9
100	0	0	0	0	0	0	0	0	90-100	0	2052	99.9
110	0	0	0	0	0	0	0	0	100-110	0	2052	99.9
120	0	0.0312	0	0.0001	0.0618	0	0.0496	0.0426	110-120	0.0018	2052	99.9
130	0.3511	0.4134	0.2895	0.3208	0.4563	0.3511	0.4626	0.4431	120-130	0.1628	2053	99.9
140	0.8251	0.8888	0.7708	0.7646	0.9248	0.8383	0.9437	0.9121	130-140	0.4701	2053	99.9
150	1.294	1.376	1.264	1.246	1.387	1.332	1.437	1.375	140-150	0.6823	2054	99.9
160	1.701	1.789	1.689	1.690	1.794	1.739	1.844	1.763	150-160	0.7113	2054	100
170	1.997	2.085	2.011	2.010	2.077	2.041	2.110	2.022	160-170	0.5354	2055	100
180	2.145	2.146	2.134	2.152	2.151	2.146	2.140	2.139	170-180	0.1993	2055	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	507	253
80	730	608
75	810	724
70	831	777
65	966	867
60	1191	1081
55	1513	1423
50	1870	1826
45	2236	2227

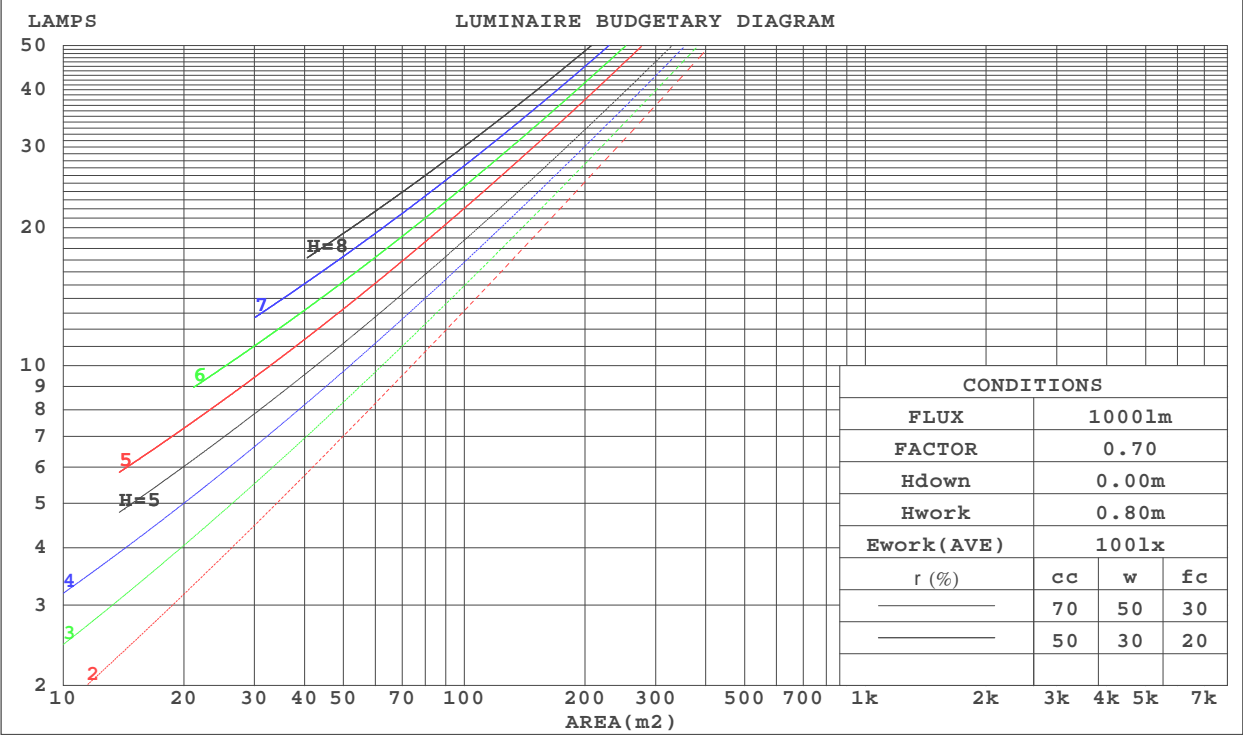
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-30

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:0.1498A P:17.39W PF:0.9665 Lamp Flux:2055.21x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-4000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-4000KM.:	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:120.2V I:0.1498A P:17.39W PF:0.9665 Lamp Flux:2055.21x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-4000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-4000KM.:	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	.211	.119	.037	.202	.114	.036	
3.0	.226	.120	.036	.221	.118	.036	.211	.114	.035	.202	.110	.034	.193	.107	.033	
4.0	.212	.110	.032	.208	.109	.032	.199	.105	.032	.191	.102	.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	.084	.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	.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:0.1498A P:17.39W PF:0.9665 Lamp Flux:2055.21x1 lm										
NAME: F172#Selectfit downlight 6寸HO手板样 L-4000KPE:LED							WEIGHT:			
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-4000K.:							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	13.8	15.1	15.2	13.3	14.6	13.6	14.8	15.0
3H	14.1	15.3	14.4	15.5	15.7	13.8	15.0	14.1	15.2	15.4
4H	14.3	15.5	14.6	15.7	16.0	14.0	15.1	14.3	15.4	15.6
6H	14.6	15.6	14.9	15.9	16.2	14.2	15.2	14.5	15.5	15.8
8H	14.6	15.6	15.0	15.9	16.2	14.2	15.2	14.5	15.5	15.8
12H	14.6	15.6	15.0	15.9	16.2	14.2	15.2	14.5	15.4	15.7
4H 2H	13.7	14.9	14.0	15.1	15.3	13.5	14.6	13.8	14.9	15.1
3H	14.4	15.4	14.8	15.7	16.0	14.1	15.1	14.5	15.4	15.7
4H	14.8	15.7	15.2	16.0	16.3	14.5	15.4	14.9	15.7	16.0
6H	15.2	15.9	15.5	16.3	16.7	14.8	15.5	15.1	15.9	16.3
8H	15.3	16.0	15.7	16.4	16.7	14.8	15.6	15.2	15.9	16.3
12H	15.3	16.0	15.7	16.4	16.8	14.8	15.5	15.2	15.9	16.3
8H 4H	14.9	15.6	15.3	16.0	16.4	14.6	15.3	15.0	15.7	16.1
6H	15.4	16.0	15.8	16.4	16.8	15.0	15.6	15.4	16.0	16.4
8H	15.5	16.1	16.0	16.5	16.9	15.1	15.6	15.5	16.0	16.5
12H	15.6	16.1	16.1	16.6	17.0	15.1	15.6	15.6	16.0	16.5
12H 4H	14.9	15.6	15.3	15.9	16.3	14.6	15.3	15.0	15.6	16.0
6H	15.4	15.9	15.8	16.3	16.8	15.0	15.5	15.5	16.0	16.4
8H	15.6	16.0	16.1	16.5	17.0	15.1	15.6	15.6	16.0	16.5
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 / - 1.0					+ 1.4 / - 1.2				

CIE Pub.117 Corrected 2055 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.5)

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:0.1498A P:17.39W PF:0.9665 Lamp Flux:2055.21x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-4000K	TYPE:LED	WEIGHT:
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-4000K	M.	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) x 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	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

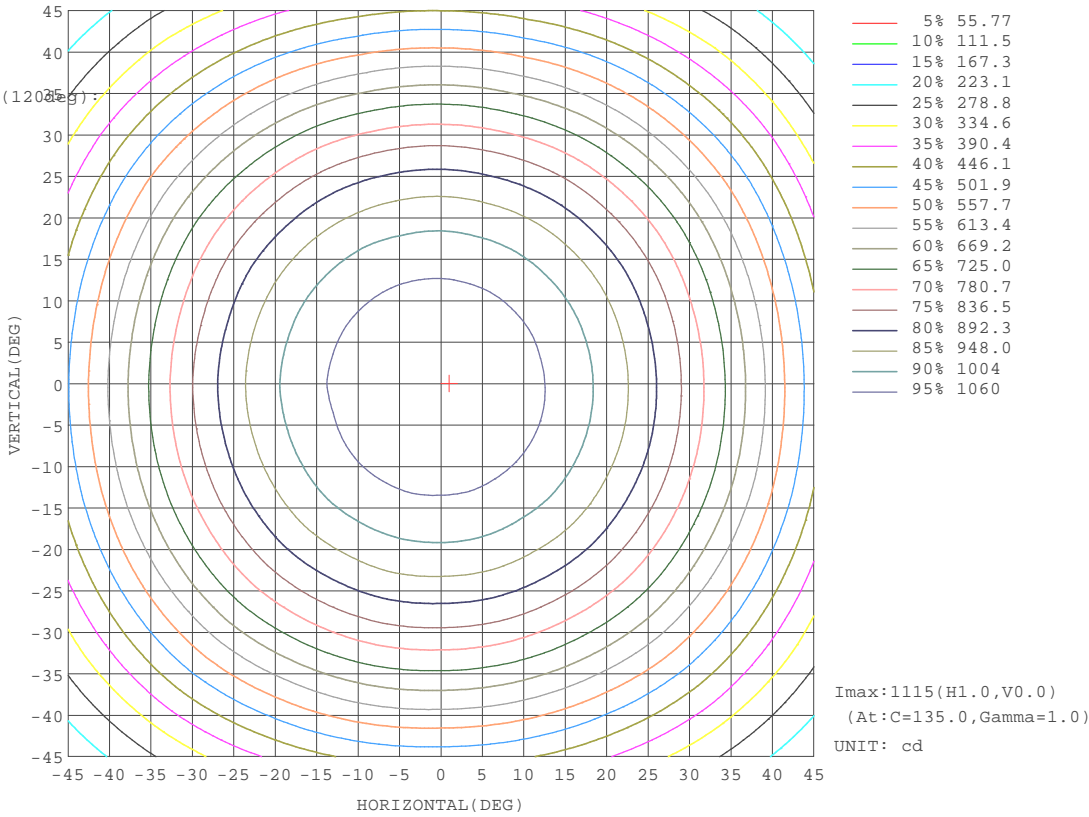
Test:U:120.2V I:0.1498A P:17.39W PF:0.9665 Lamp Flux:2055.21x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-4000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-4000KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

1460.6 lm  
%lum = 71.1%  
%lamp = 71.1%

Conical surface Flux(120deg):

1857.7 lm  
%lum = 90.4%  
%lamp = 90.4%



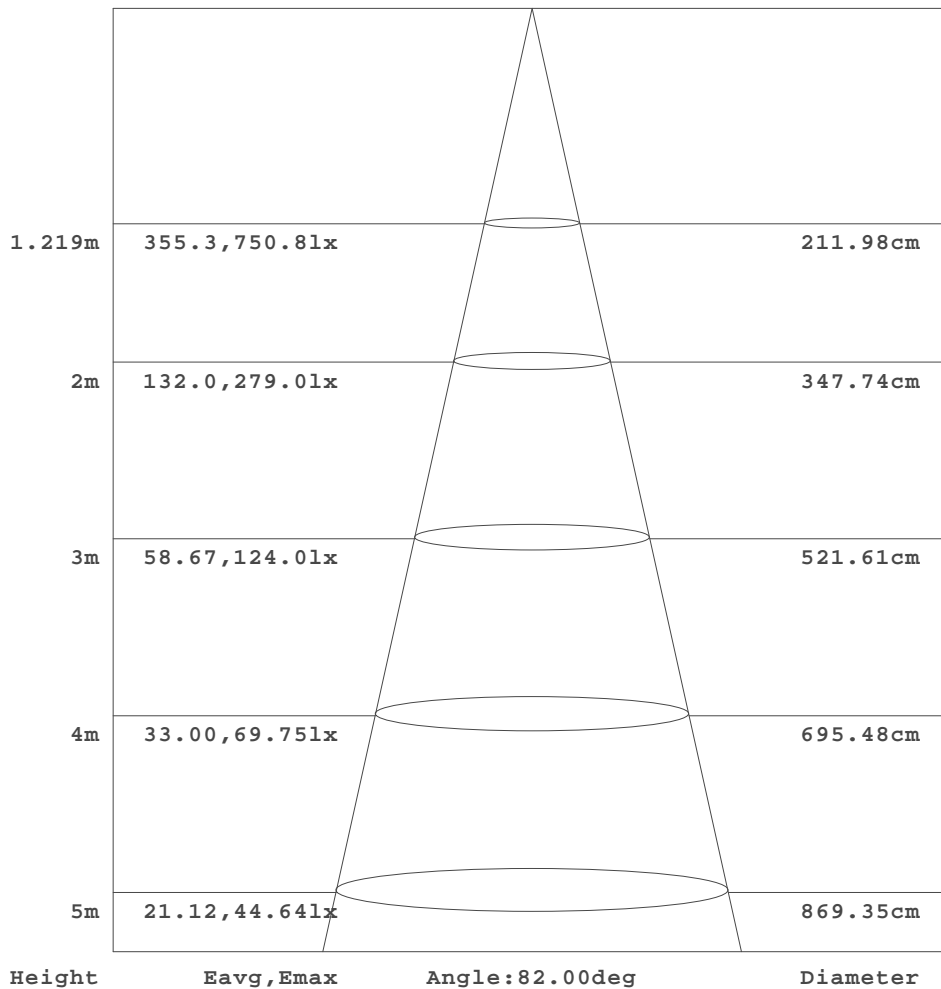
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-30

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:120.2V I:0.1498A P:17.39W PF:0.9665 Lamp Flux:2055.21x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-4000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-4000K:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:1345 lm



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

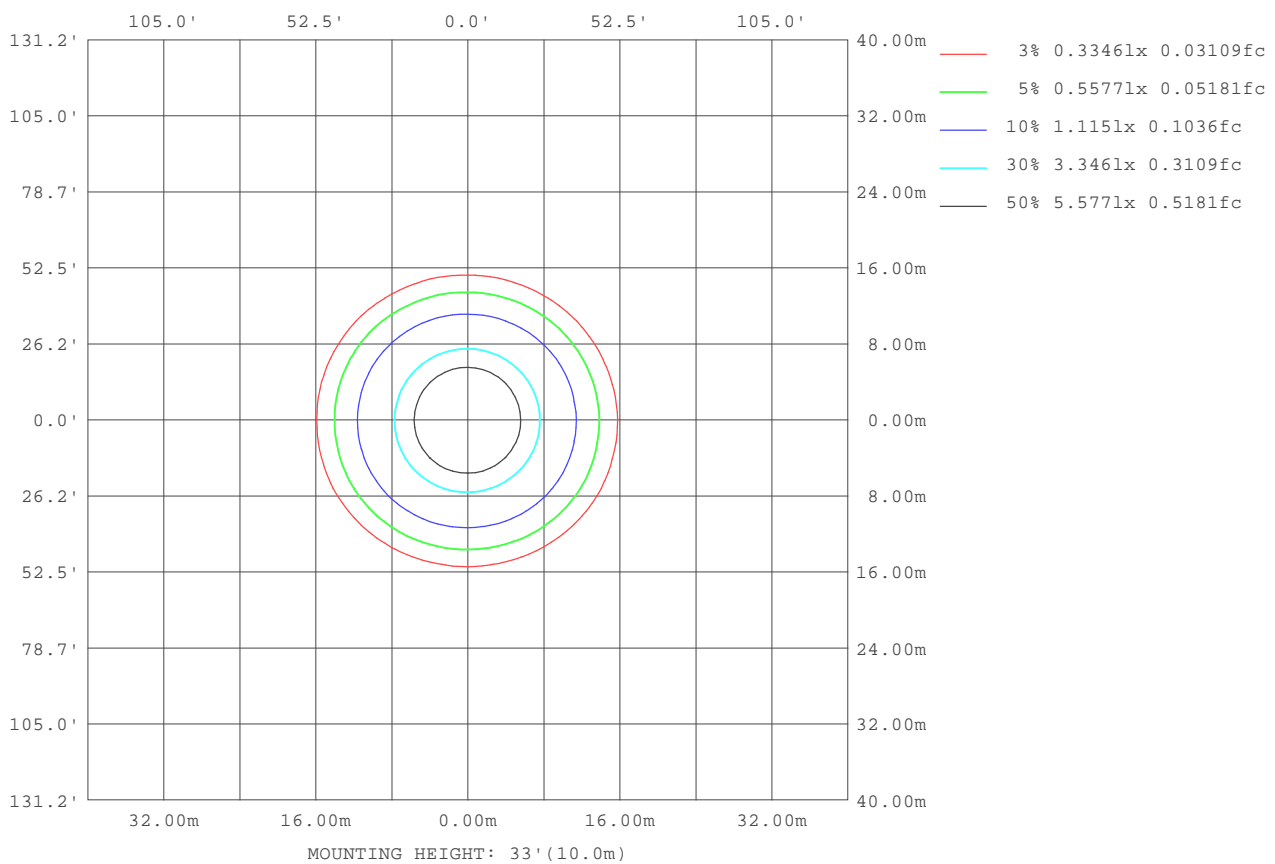
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Aaron  
 Test Date: 2024-09-30

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

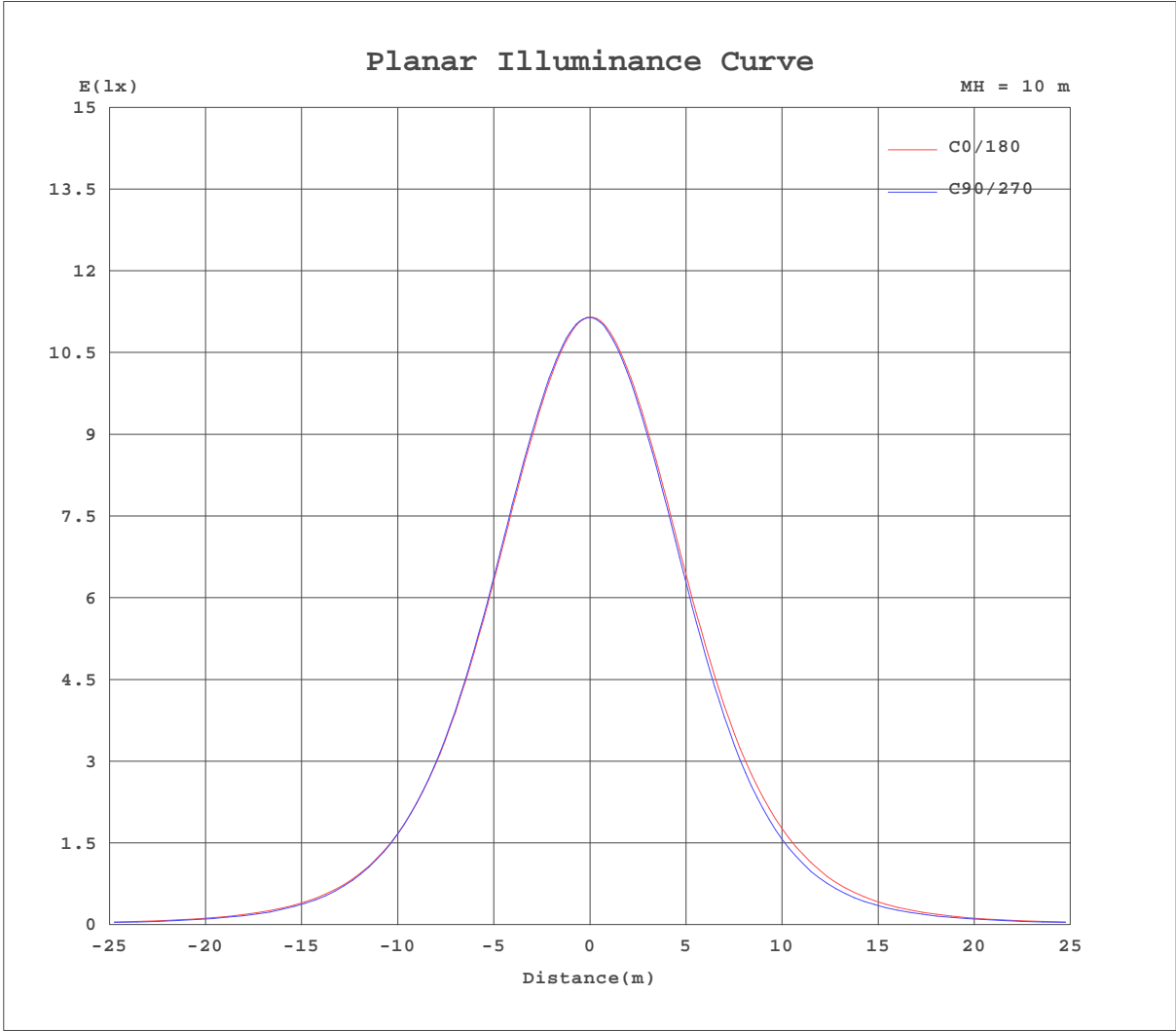
Test:U:120.2V I:0.1498A P:17.39W PF:0.9665 Lamp Flux:2055.21x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-4000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-4000KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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