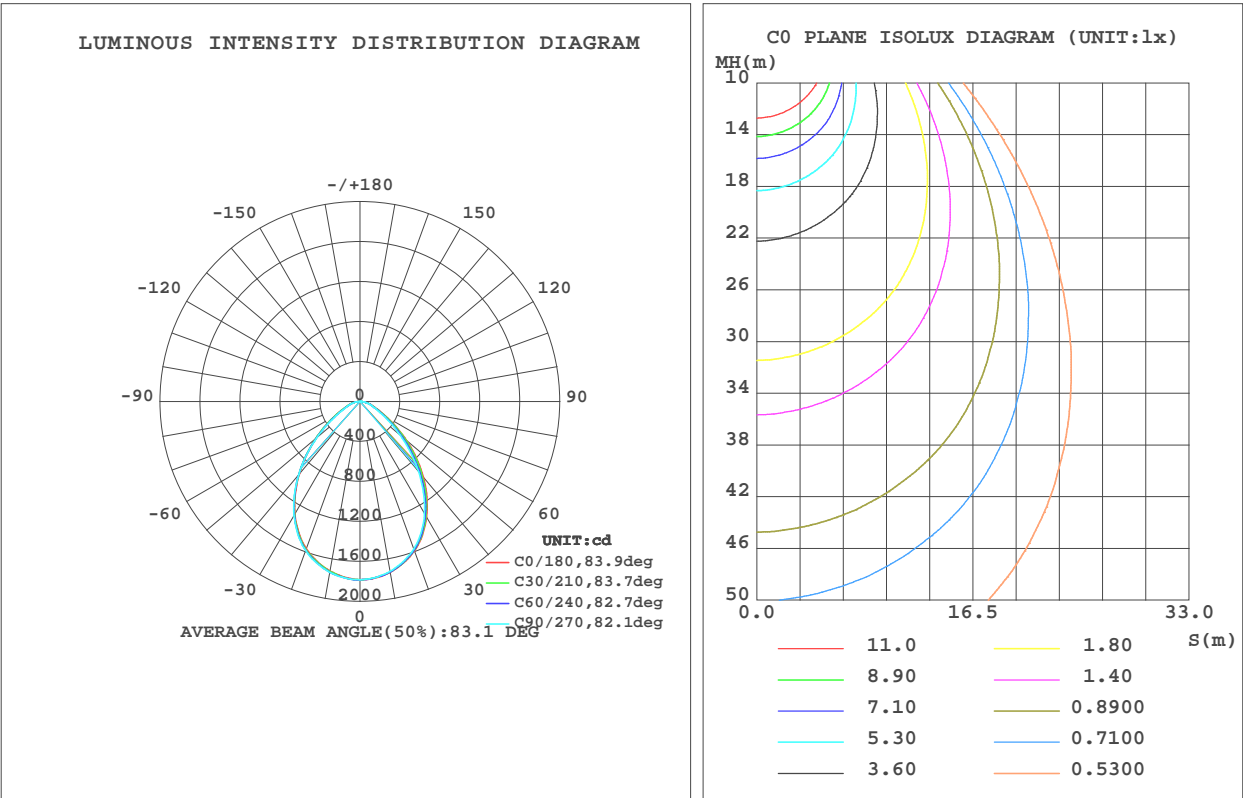


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.4V I:0.2492A P:29.34W PF:0.9786 Lamp Flux:3290.24x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-5000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-5000KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 112.14 lm/W			
MODEL		Imax(cd)	1786	S/MH(C0/180)	1.13
NOMINAL POWER(W)	29.34	LOR(%)	100.0	S/MH(C90/270)	1.11
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3290.2	h UP,DN(C0-180)	0.1,50.3
NOMINAL FLUX(lm)	3290.24	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.1,49.5
LAMPS INSIDE	1	h up(%)	0.2	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120	h down(%)	99.8	CIBSE SHR MAX	1.15



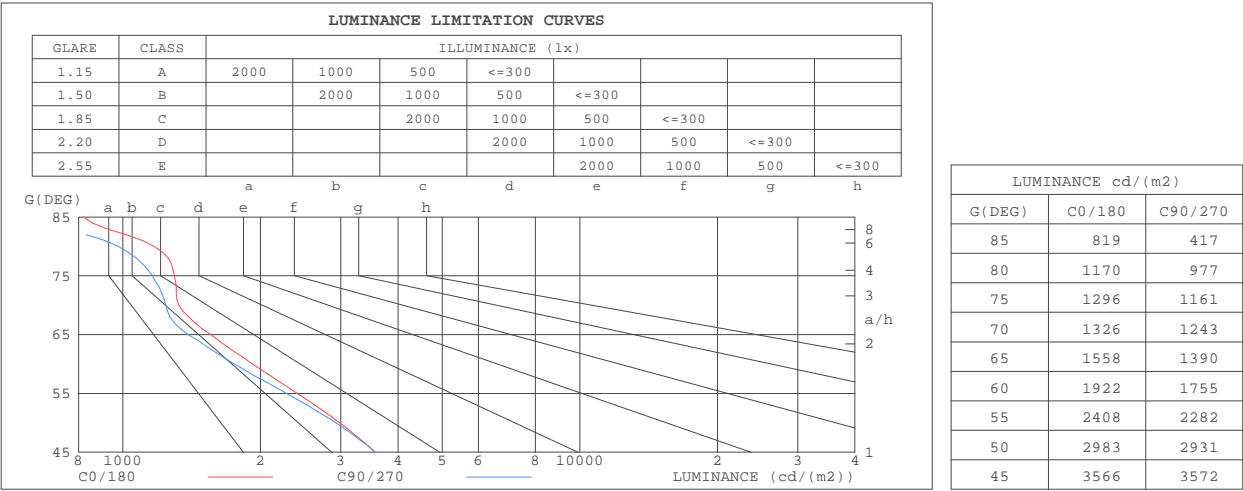
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-30

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:

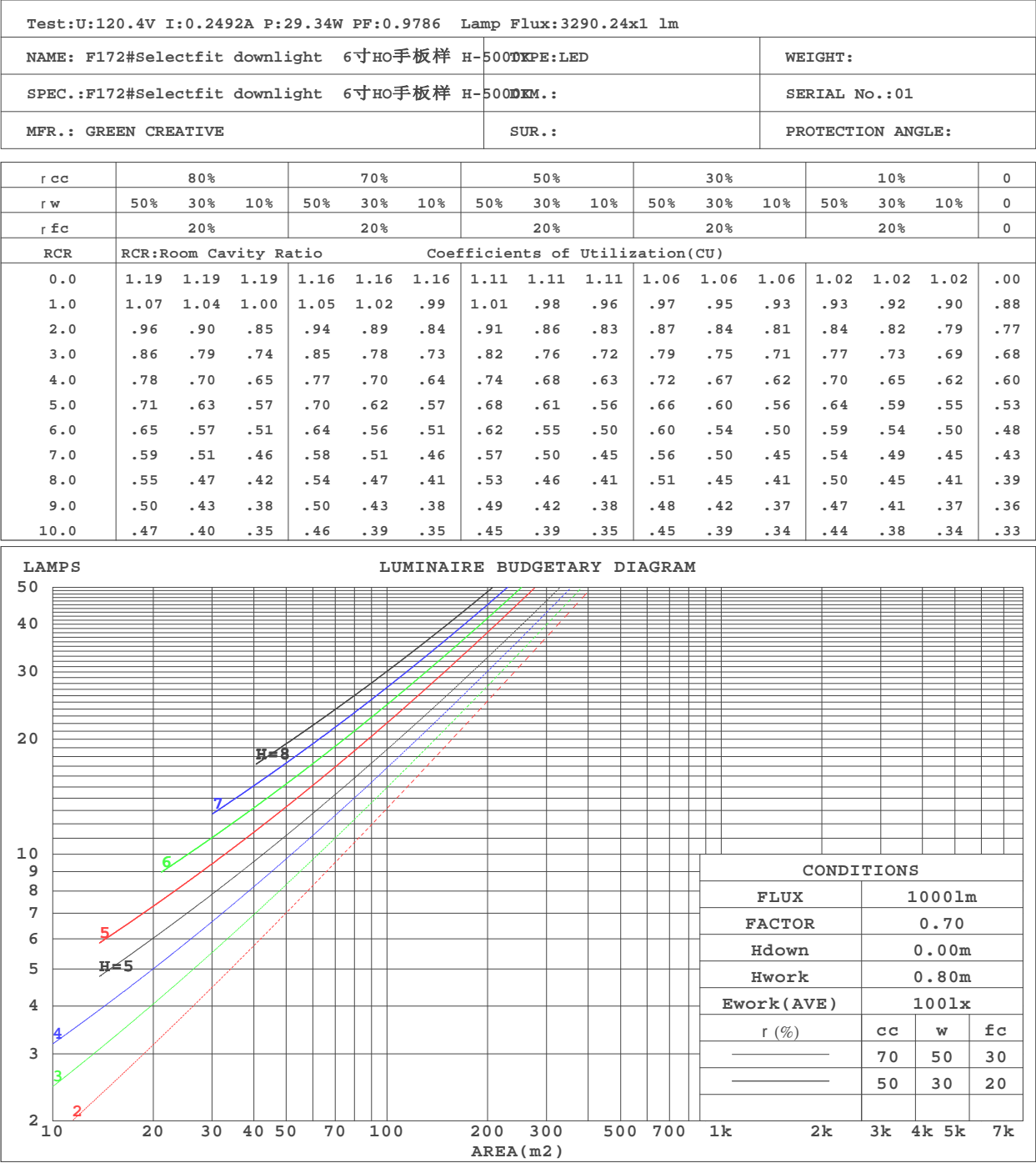
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum
10	1724	1728	1735	1737	1736	1730	1727	1723	0~ 10	167.7	167.7	5.1
20	1571	1582	1590	1596	1592	1583	1572	1569	10~ 20	469.4	637.0	19.4
30	1300	1315	1320	1338	1334	1314	1291	1291	20~ 30	671.0	1308	39.8
40	945.0	954.7	953.7	985.8	985.9	951.9	912.3	924.9	30~ 40	709.7	2018	61.3
50	575.5	583.3	565.1	604.7	613.9	577.7	527.5	547.1	40~ 50	585.1	2603	79.1
60	288.5	280.6	263.3	286.5	298.4	280.2	252.7	266.9	50~ 60	368.7	2972	90.3
70	136.1	131.2	127.5	133.4	139.6	131.5	126.3	128.9	60~ 70	190.9	3162	96.1
80	60.97	56.69	50.88	57.95	58.50	57.67	52.82	57.15	70~ 80	100.3	3263	99.2
90	0.0026	0	0	0	0	0	0	0	80~ 90	21.90	3285	99.8
100	0	0	0	0	0	0	0	0	90~100	0.0000	3285	99.8
110	0	0	0	0	0.0064	0	0.0001	0	100~110	0.0001	3285	99.8
120	0.3391	0.3947	0.2774	0.3091	0.4381	0.3257	0.4200	0.4126	110~120	0.1403	3285	99.8
130	0.9434	1.017	0.8750	0.8575	1.050	0.9356	1.061	1.054	120~130	0.5791	3285	99.8
140	1.690	1.763	1.633	1.573	1.796	1.700	1.844	1.819	130~140	1.029	3286	99.9
150	2.454	2.533	2.411	2.338	2.530	2.494	2.621	2.584	140~150	1.315	3288	99.9
160	3.103	3.173	3.083	3.041	3.166	3.142	3.262	3.194	150~160	1.301	3289	100
170	3.547	3.648	3.564	3.553	3.628	3.616	3.687	3.607	160~170	0.9532	3290	100
180	3.739	3.820	3.798	3.750	3.739	3.820	3.811	3.737	170~180	0.3522	3290	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



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:120.4V I:0.2492A P:29.34W PF:0.9786 Lamp Flux:3290.24x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-5000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-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	.142	.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	.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	.141	.152	.136	.121	.104	.093	.084	.060	.054	.049	.019	.017	.016	
2.0	.167	.133	.106	.143	.115	.091	.098	.080	.064	.056	.046	.037	.018	.015	.012	
3.0	.157	.115	.082	.135	.100	.071	.093	.069	.050	.053	.040	.029	.017	.013	.010	
4.0	.149	.102	.065	.128	.088	.057	.088	.061	.040	.051	.036	.024	.016	.012	.008	
5.0	.142	.091	.053	.122	.078	.046	.084	.055	.033	.049	.032	.019	.016	.011	.006	
6.0	.135	.082	.044	.116	.071	.039	.080	.050	.027	.046	.029	.016	.015	.010	.005	
7.0	.128	.075	.038	.110	.065	.033	.076	.046	.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	.029	.101	.056	.025	.070	.039	.018	.041	.023	.011	.013	.008	.003	
10.0	.112	.060	.025	.096	.052	.022	.067	.037	.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:120.4V I:0.2492A P:29.34W PF:0.9786 Lamp Flux:3290.24x1 lm										
NAME: F172#Selectfit downlight 6寸HO手板样 H-5000KPE:LED							WEIGHT:			
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-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	15.2	16.5	15.4	16.7	16.9	15.0	16.3	15.2	16.5	16.6
3H	15.7	16.9	16.0	17.1	17.4	15.4	16.6	15.7	16.8	17.1
4H	16.0	17.1	16.3	17.4	17.6	15.7	16.8	16.0	17.0	17.3
6H	16.2	17.3	16.5	17.5	17.8	15.8	16.9	16.1	17.1	17.4
8H	16.3	17.3	16.6	17.6	17.8	15.8	16.9	16.2	17.1	17.4
12H	16.3	17.2	16.6	17.5	17.8	15.8	16.8	16.2	17.1	17.4
4H 2H	15.3	16.5	15.7	16.7	17.0	15.1	16.3	15.5	16.5	16.8
3H	16.0	17.0	16.4	17.3	17.6	15.8	16.8	16.1	17.1	17.4
4H	16.4	17.3	16.8	17.6	18.0	16.1	17.0	16.5	17.3	17.7
6H	16.8	17.6	17.2	17.9	18.3	16.4	17.2	16.8	17.5	17.9
8H	16.9	17.6	17.3	18.0	18.4	16.5	17.2	16.9	17.6	17.9
12H	17.0	17.6	17.4	18.0	18.4	16.5	17.1	16.9	17.5	17.9
8H 4H	16.5	17.3	16.9	17.6	18.0	16.3	17.0	16.7	17.3	17.7
6H	17.0	17.6	17.4	18.0	18.4	16.6	17.2	17.1	17.6	18.1
8H	17.2	17.7	17.6	18.1	18.6	16.7	17.3	17.2	17.7	18.1
12H	17.3	17.7	17.8	18.2	18.7	16.8	17.2	17.2	17.7	18.1
12H 4H	16.5	17.2	16.9	17.6	18.0	16.2	16.9	16.7	17.3	17.7
6H	17.0	17.5	17.5	18.0	18.4	16.6	17.2	17.1	17.6	18.1
8H	17.2	17.7	17.7	18.1	18.6	16.8	17.2	17.3	17.7	18.2
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 / - 1.0					+ 1.4 / - 1.2				

CIE Pub.117 Corrected 3290 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.1)

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:120.4V I:0.2492A P:29.34W PF:0.9786 Lamp Flux:3290.24x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-5000K	TYPE:LED	WEIGHT:
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-5000K	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	65	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	81	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	100	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:120.4V I:0.2492A P:29.34W PF:0.9786 Lamp Flux:3290.24x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-5000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-5000K.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

2334.2 lm

%lum = 70.9%

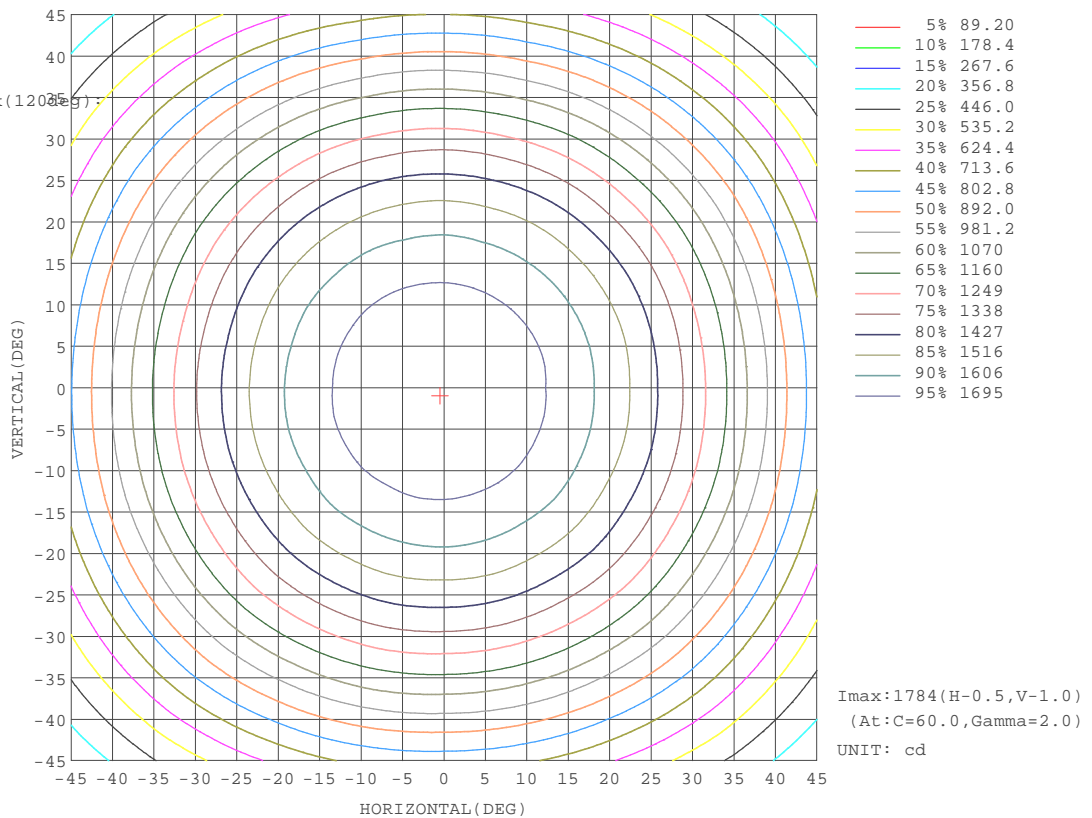
%lamp = 70.9%

Conical surface Flux(120deg):

2971.5 lm

%lum = 90.3%

%lamp = 90.3%



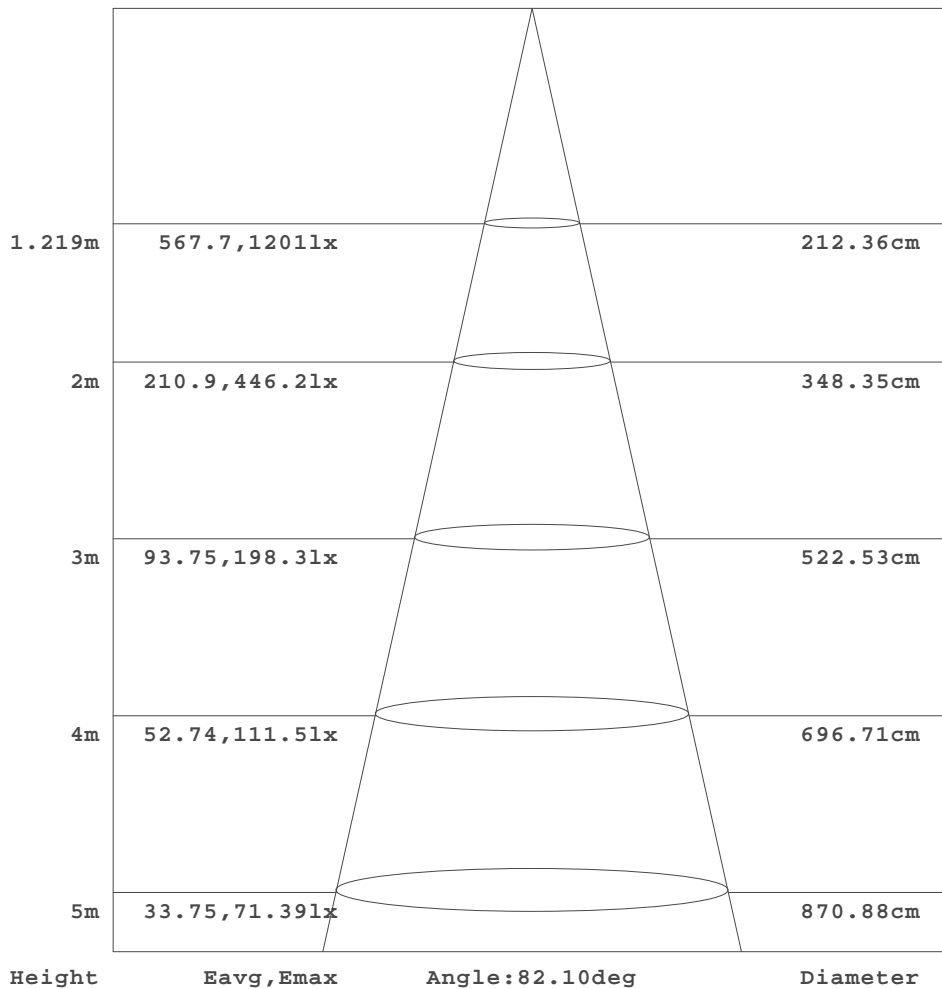
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-30

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:120.4V I:0.2492A P:29.34W PF:0.9786 Lamp Flux:3290.24x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-5000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-5000KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:2149 lm



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

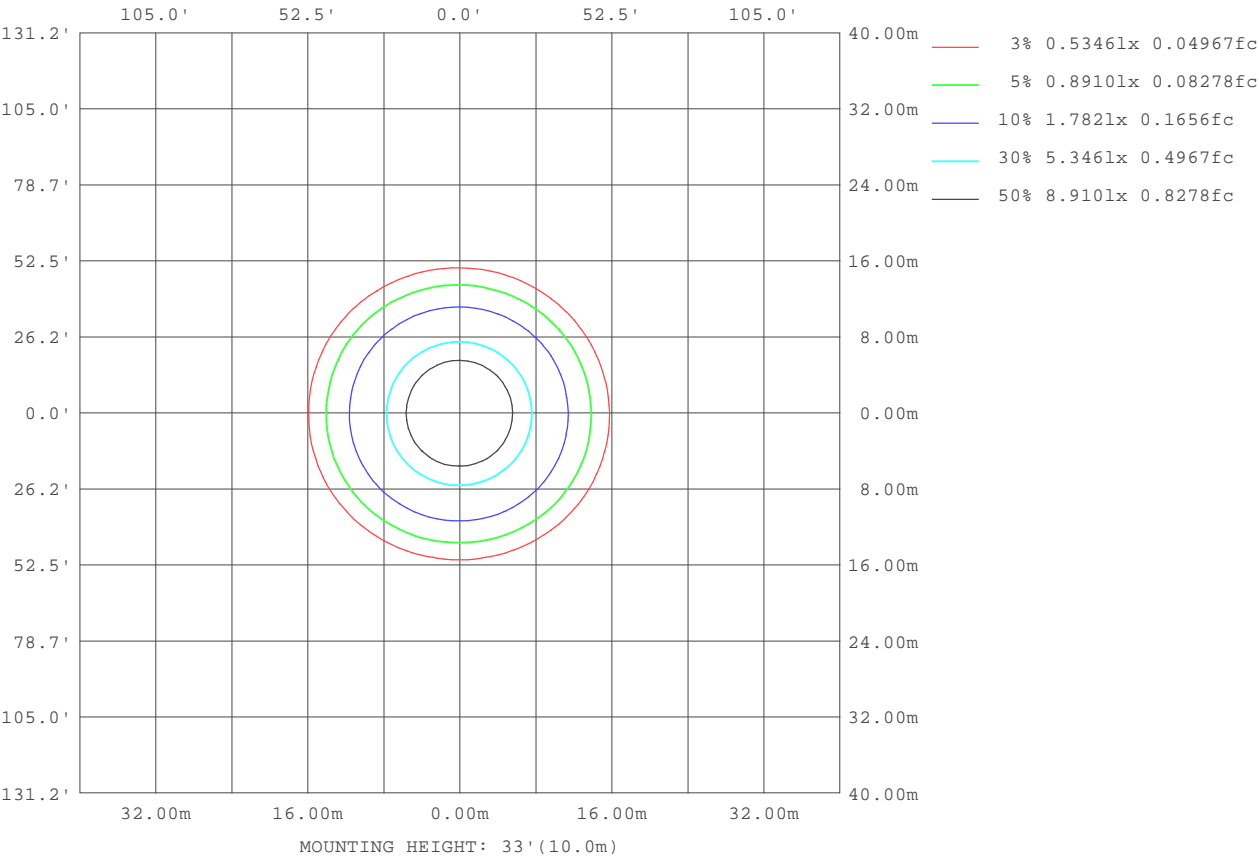
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Aaron  
Test Date: 2024-09-30

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

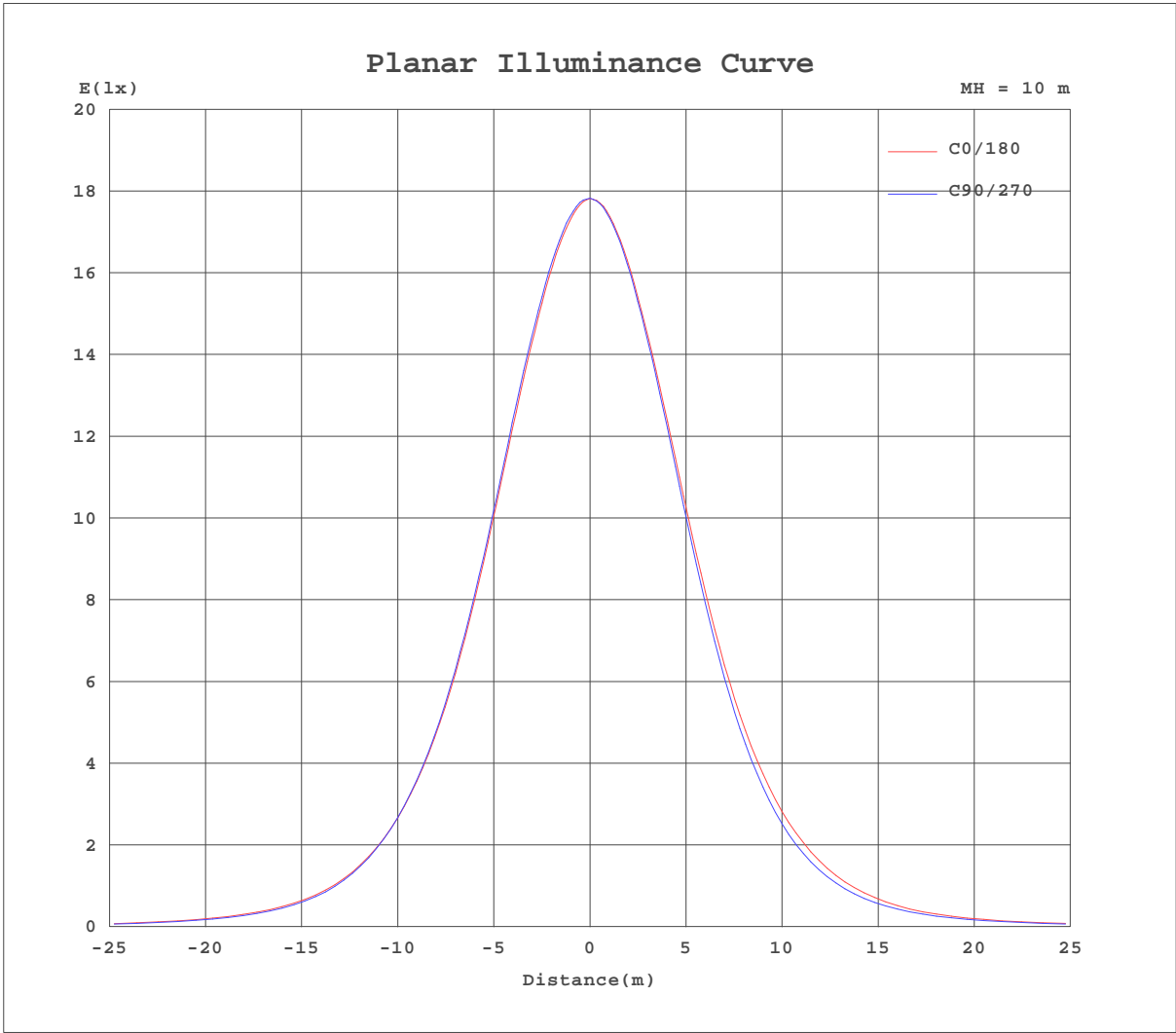
Test:U:120.4V I:0.2492A P:29.34W PF:0.9786 Lamp Flux:3290.24x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-5000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-5000KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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