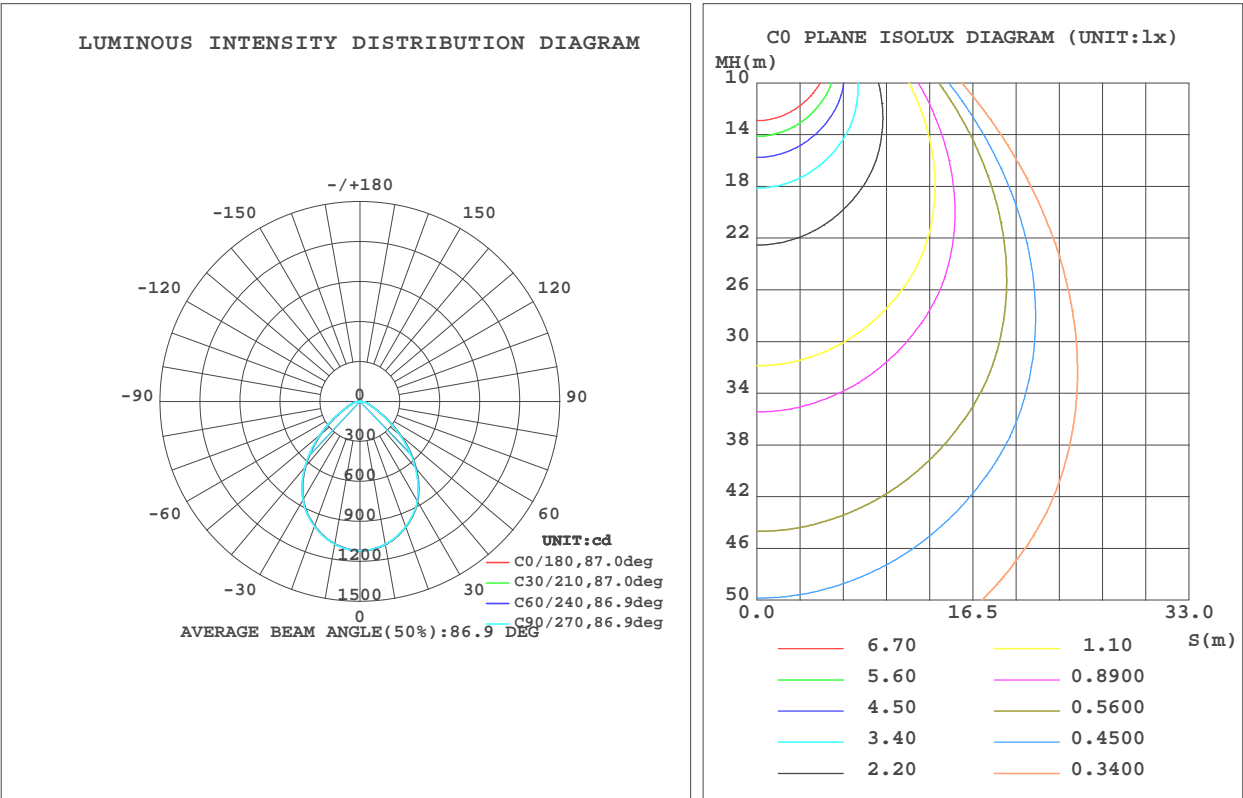


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.3V I:0.1645A P:19.15W PF:0.9676 Lamp Flux:2154.52x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 H-3500KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 H-3500KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 112.51 lm/W			
MODEL		Imax(cd)	1120	S/MH(C0/180)	1.16
NOMINAL POWER(W)	19.15	LOR(%)	100.0	S/MH(C90/270)	1.15
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2154.5	h UP,DN(C0-180)	0.1,49.9
NOMINAL FLUX(lm)	2154.52	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



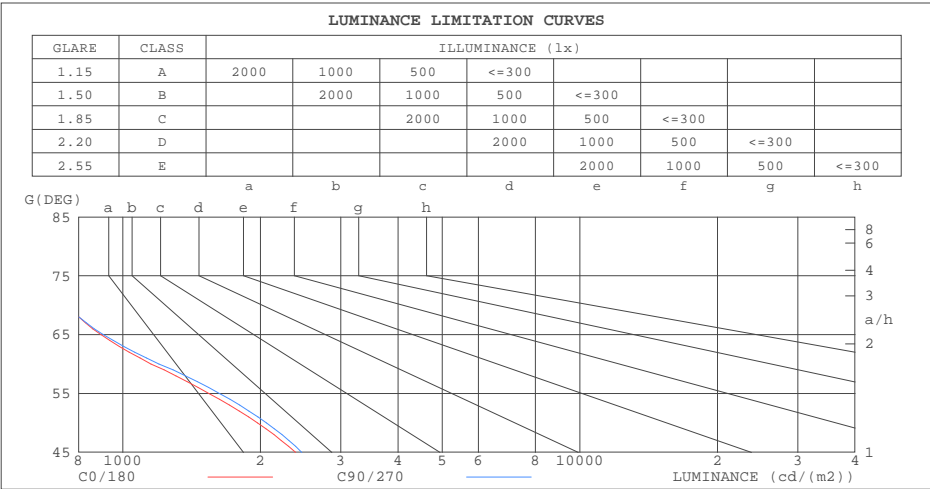
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-30

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	1086	1086	1088	1089	1092	1090	1089	1087	0- 10	105.4	105.4	4.89
20	995.0	995.6	997.3	1001	1006	1003	1001	996.6	10- 20	295.8	401.1	18.6
30	852.0	853.9	855.6	860.9	866.1	863.9	861.2	854.9	20- 30	430.4	831.6	38.6
40	634.0	638.8	645.1	654.3	658.5	652.5	645.9	636.5	30- 40	472.8	1304	60.5
50	380.8	385.7	397.5	406.9	409.1	402.8	393.2	381.9	40- 50	400.5	1705	79.1
60	173.2	177.2	179.9	184.4	185.0	183.0	180.5	173.3	50- 60	249.2	1954	90.7
70	79.76	79.47	79.62	80.80	80.90	80.24	80.18	79.46	60- 70	118.7	2073	96.2
80	38.07	37.81	35.72	36.87	37.52	37.23	37.46	37.78	70- 80	62.80	2136	99.1
90	0.0098	0	0	0	0	0	0	0	80- 90	15.93	2151	99.9
100	0	0	0	0	0	0	0	0	90-100	0.0000	2151	99.9
110	0	0	0	0	0	0	0	0	100-110	0	2151	99.9
120	0	0.0556	0	0.0436	0.0807	0.0303	0.0867	0.0674	110-120	0.0040	2151	99.9
130	0.4072	0.4633	0.3940	0.4378	0.4948	0.4502	0.5182	0.4684	120-130	0.2062	2152	99.9
140	0.9068	0.9627	0.8872	0.9372	1.001	0.9554	1.030	0.9740	130-140	0.5377	2152	99.9
150	1.408	1.474	1.399	1.443	1.495	1.455	1.529	1.467	140-150	0.7548	2153	99.9
160	1.815	1.882	1.818	1.868	1.896	1.850	1.924	1.868	150-160	0.7686	2154	100
170	2.087	2.159	2.108	2.158	2.168	2.134	2.188	2.127	160-170	0.5678	2154	100
180	2.223	2.245	2.231	2.250	2.242	2.245	2.244	2.244	170-180	0.2092	2155	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	580	438
80	730	686
75	776	757
70	776	776
65	896	907
60	1153	1200
55	1543	1627
50	1972	2062
45	2390	2464

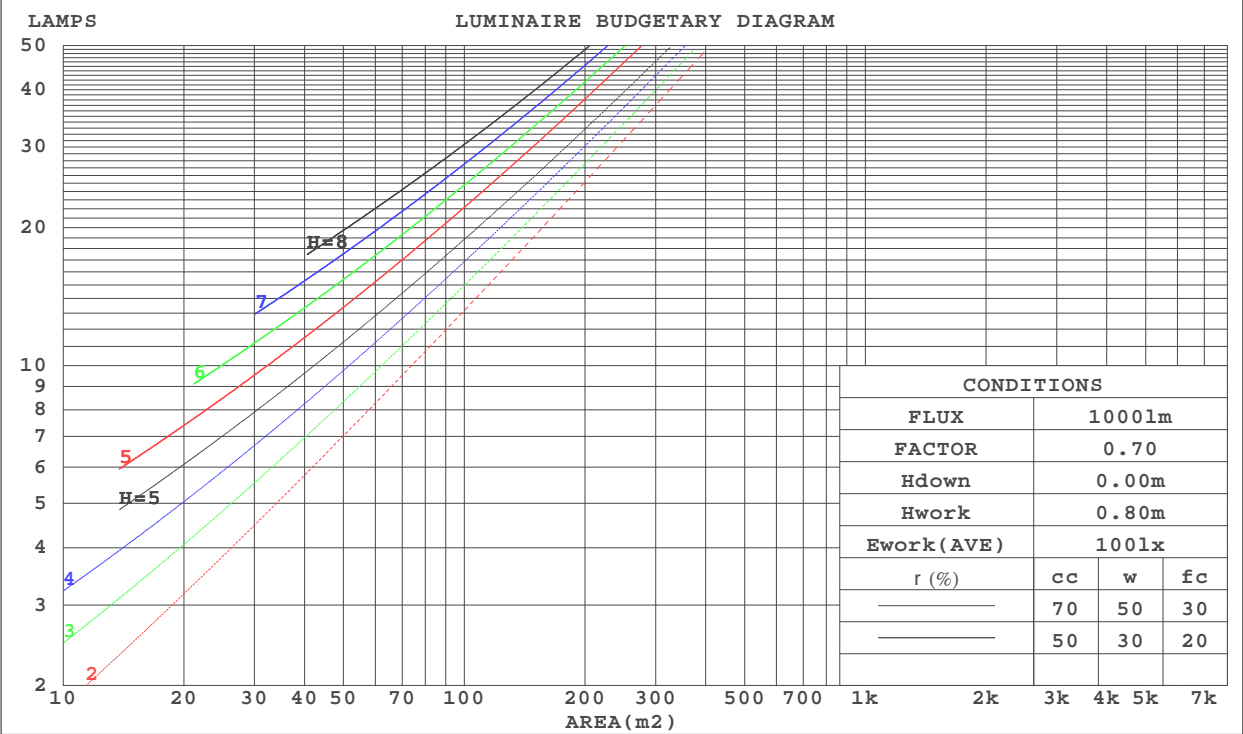
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-30

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:0.1645A P:19.15W PF:0.9676 Lamp Flux:2154.52x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 H-3500KTYPE:LED		WEIGHT:
SPEC.:F172#Selectfit downlight 8寸手板样 H-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:2024-09-30

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:0.1645A P:19.15W PF:0.9676 Lamp Flux:2154.52x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 H-3500KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 H-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	.139	.044	.230	.132	.042	.218	.126	.040	.207	.120	.039	
2.0	.240	.132	.040	.234	.129	.040	.223	.124	.039	.213	.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	.201	.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	.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	.143	.115	.091	.098	.079	.064	.056	.046	.037	.018	.015	.012	
3.0	.157	.115	.081	.135	.099	.071	.093	.069	.050	.053	.040	.029	.017	.013	.010	
4.0	.149	.101	.065	.128	.088	.056	.088	.061	.040	.051	.036	.023	.016	.012	.008	
5.0	.142	.091	.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	.129	.075	.037	.111	.065	.032	.076	.045	.023	.044	.027	.014	.014	.009	.005	
8.0	.123	.069	.032	.106	.060	.028	.073	.042	.020	.042	.025	.012	.014	.008	.004	
9.0	.117	.064	.028	.101	.056	.025	.070	.039	.017	.041	.023	.010	.013	.008	.003	
10.0	.112	.060	.025	.097	.052	.022	.067	.037	.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:120.3V I:0.1645A P:19.15W PF:0.9676 Lamp Flux:2154.52x1 lm										
NAME: F172#Selectfit downlight 8寸手板样 H-3500KTYPE:LED								WEIGHT:		
SPEC.:F172#Selectfit downlight 8寸手板样 H-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	13.6	14.9	13.8	15.1	15.3	13.7	15.0	14.0	15.2	15.4
3H	14.0	15.2	14.3	15.4	15.6	14.1	15.3	14.4	15.5	15.8
4H	14.2	15.4	14.5	15.6	15.8	14.3	15.5	14.6	15.7	16.0
6H	14.4	15.5	14.7	15.8	16.0	14.5	15.6	14.8	15.8	16.1
8H	14.5	15.5	14.8	15.8	16.1	14.5	15.6	14.9	15.8	16.1
12H	14.5	15.5	14.8	15.8	16.1	14.5	15.5	14.9	15.8	16.1
4H 2H	13.7	14.9	14.0	15.1	15.3	13.8	15.0	14.1	15.2	15.5
3H	14.3	15.3	14.6	15.6	15.9	14.4	15.4	14.7	15.7	16.0
4H	14.6	15.5	15.0	15.9	16.2	14.7	15.6	15.1	15.9	16.3
6H	15.0	15.8	15.4	16.1	16.5	15.0	15.8	15.4	16.2	16.5
8H	15.1	15.8	15.5	16.2	16.6	15.1	15.8	15.5	16.2	16.6
12H	15.2	15.8	15.6	16.2	16.6	15.1	15.8	15.6	16.2	16.6
8H 4H	14.7	15.5	15.1	15.8	16.2	14.8	15.5	15.2	15.9	16.3
6H	15.2	15.8	15.6	16.2	16.6	15.2	15.8	15.7	16.2	16.7
8H	15.4	15.9	15.8	16.3	16.8	15.4	15.9	15.8	16.3	16.8
12H	15.5	16.0	16.0	16.4	16.9	15.4	15.9	15.9	16.4	16.8
12H 4H	14.7	15.4	15.2	15.8	16.2	14.8	15.5	15.2	15.9	16.3
6H	15.2	15.8	15.7	16.2	16.6	15.2	15.8	15.7	16.2	16.7
8H	15.4	15.9	15.9	16.3	16.8	15.4	15.9	15.9	16.3	16.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.7					+ 0.6 / - 0.7				
1.5H	+ 0.3 / - 0.3					+ 0.3 / - 0.3				
2.0H	+ 1.4 / - 1.3					+ 1.5 / - 1.4				

CIE Pub.117 Corrected 2155 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.7)

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

## UTILIZATION FACTORS TABLE

Test:U:120.3V I:0.1645A P:19.15W PF:0.9676 Lamp Flux:2154.52x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 H-3500KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 H-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	57	51	66	56	51	65	56	50	45
0.80	77	67	61	76	66	61	74	66	60	54
1.00	84	75	69	83	75	69	81	76	69	63
1.25	91	82	77	90	82	76	87	80	75	69
1.50	95	87	82	94	86	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	96	104	99	95	100	96	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:120.3V I:0.1645A P:19.15W PF:0.9676 Lamp Flux:2154.52x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 H-3500KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 H-3500KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

1520.2 lm

%lum = 70.6%

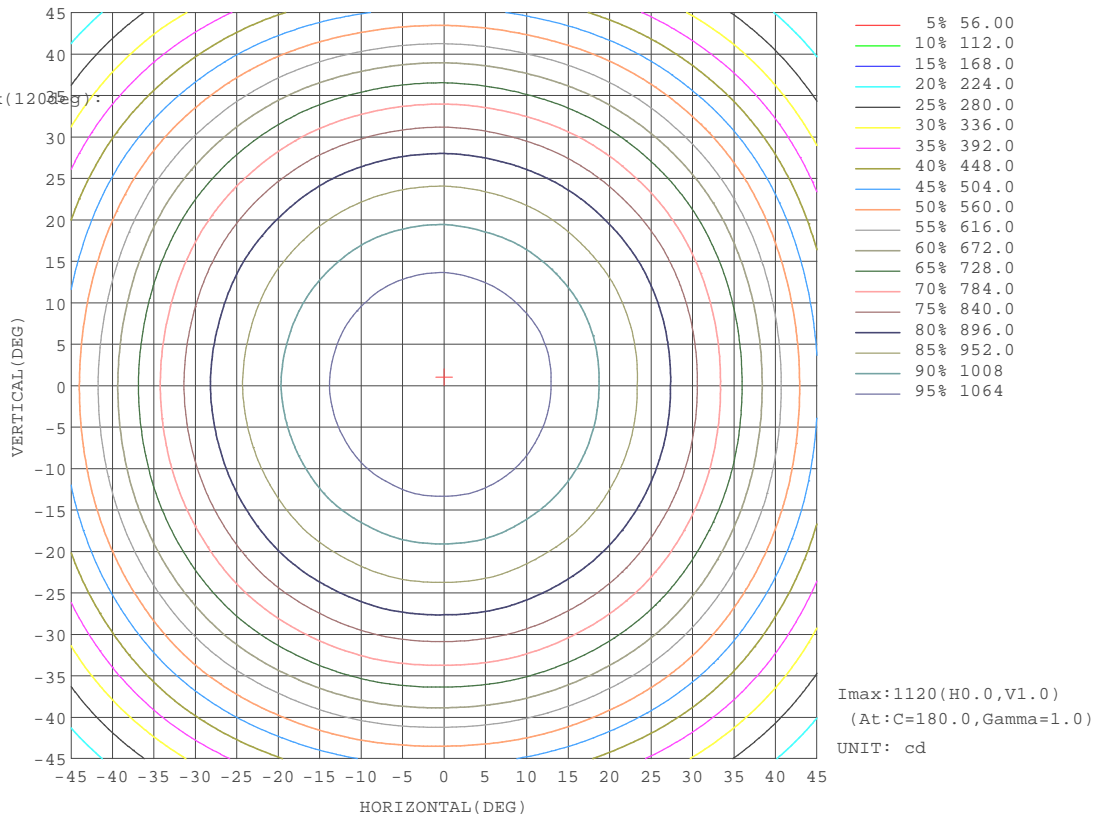
%lamp = 70.6%

Conical surface Flux(120deg):

1954 lm

%lum = 90.7%

%lamp = 90.7%



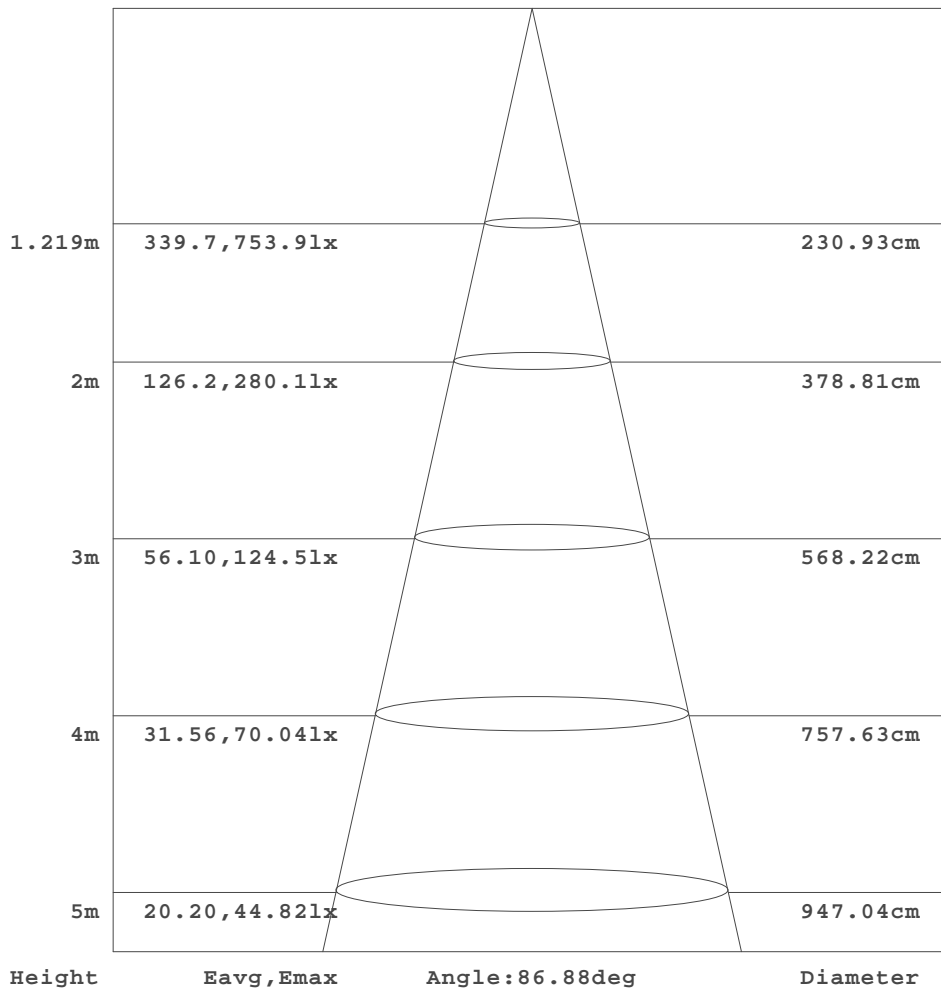
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-30

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:120.3V I:0.1645A P:19.15W PF:0.9676 Lamp Flux:2154.52x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 H-3500KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 H-3500KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:1479 lm



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

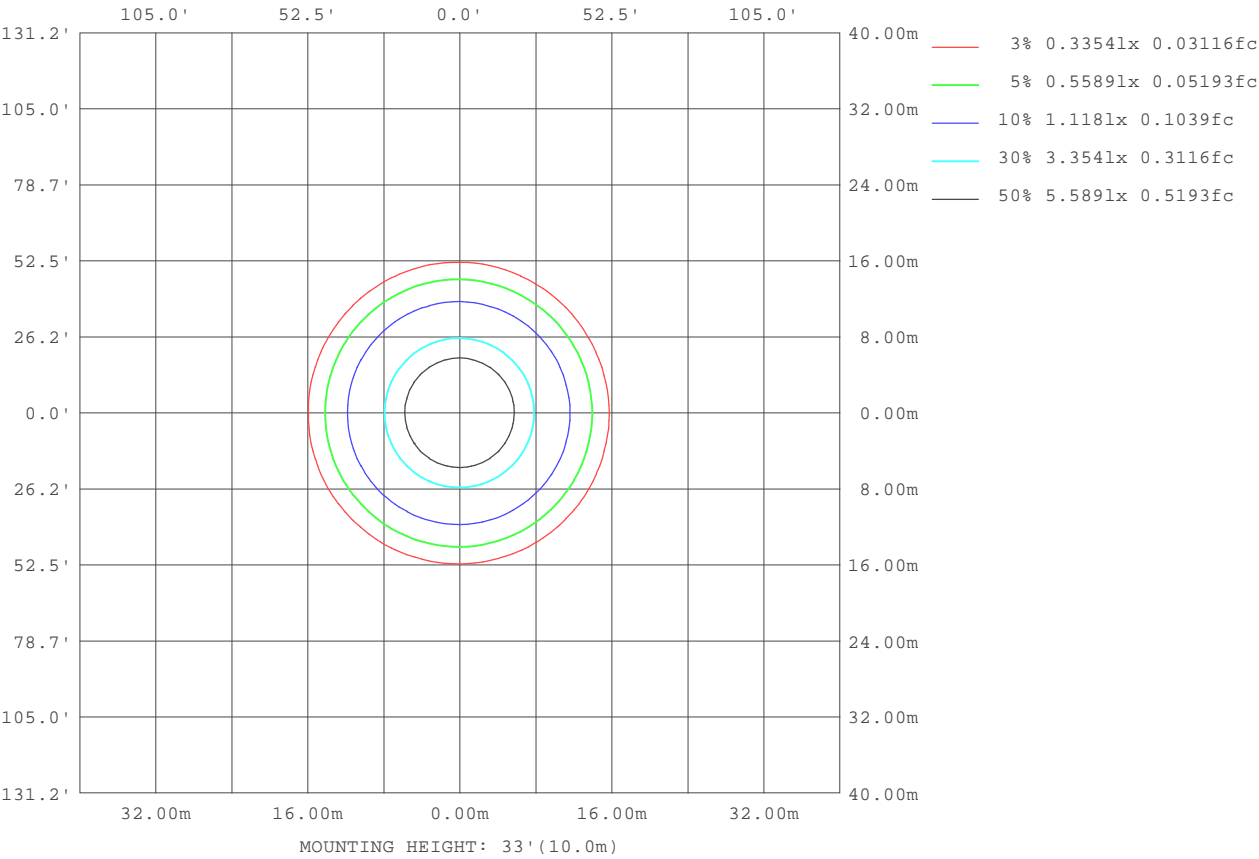
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Aaron  
Test Date: 2024-09-30

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

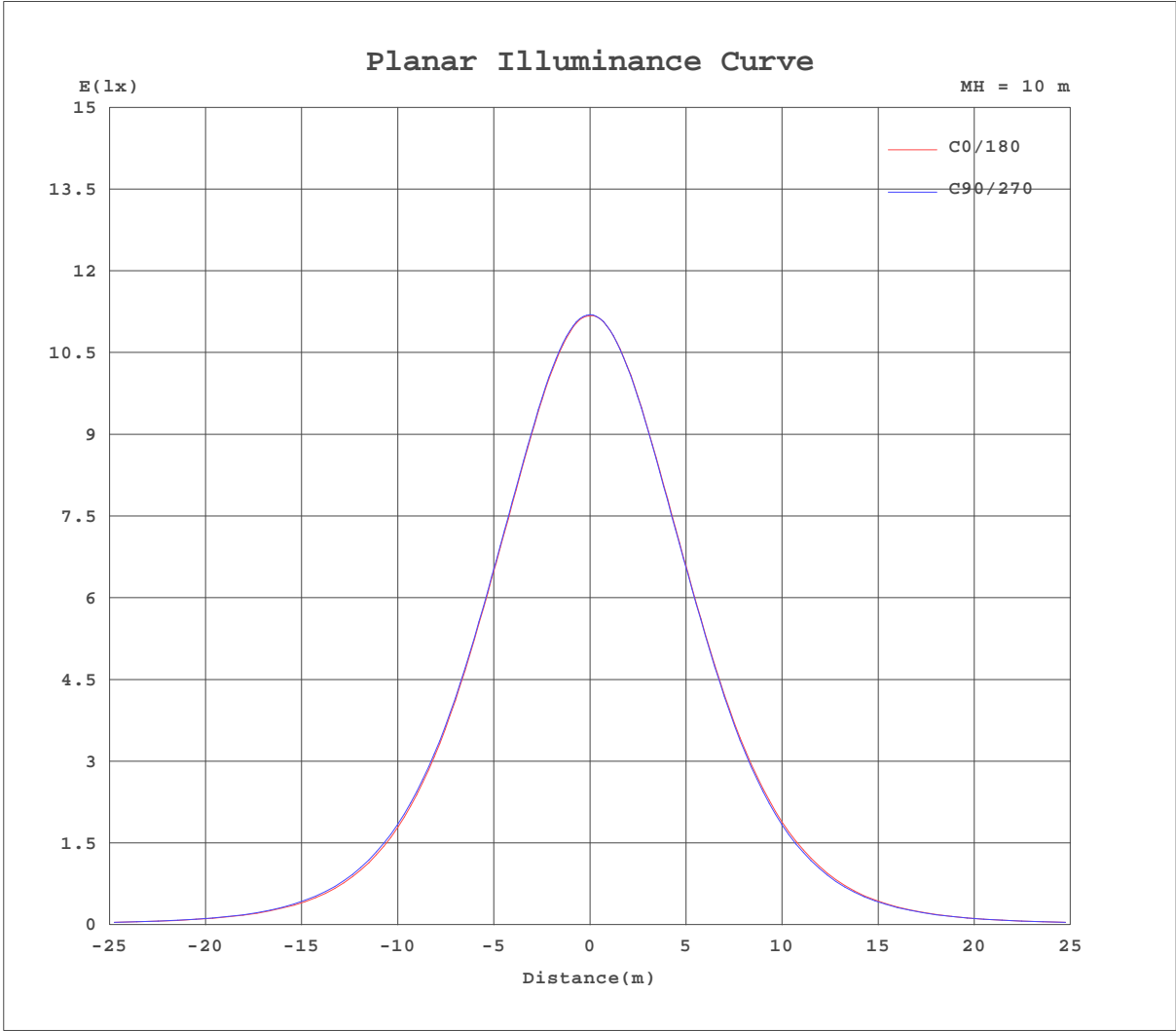
Test:U:120.3V I:0.1645A P:19.15W PF:0.9676 Lamp Flux:2154.52x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 H-3500KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 H-3500KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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