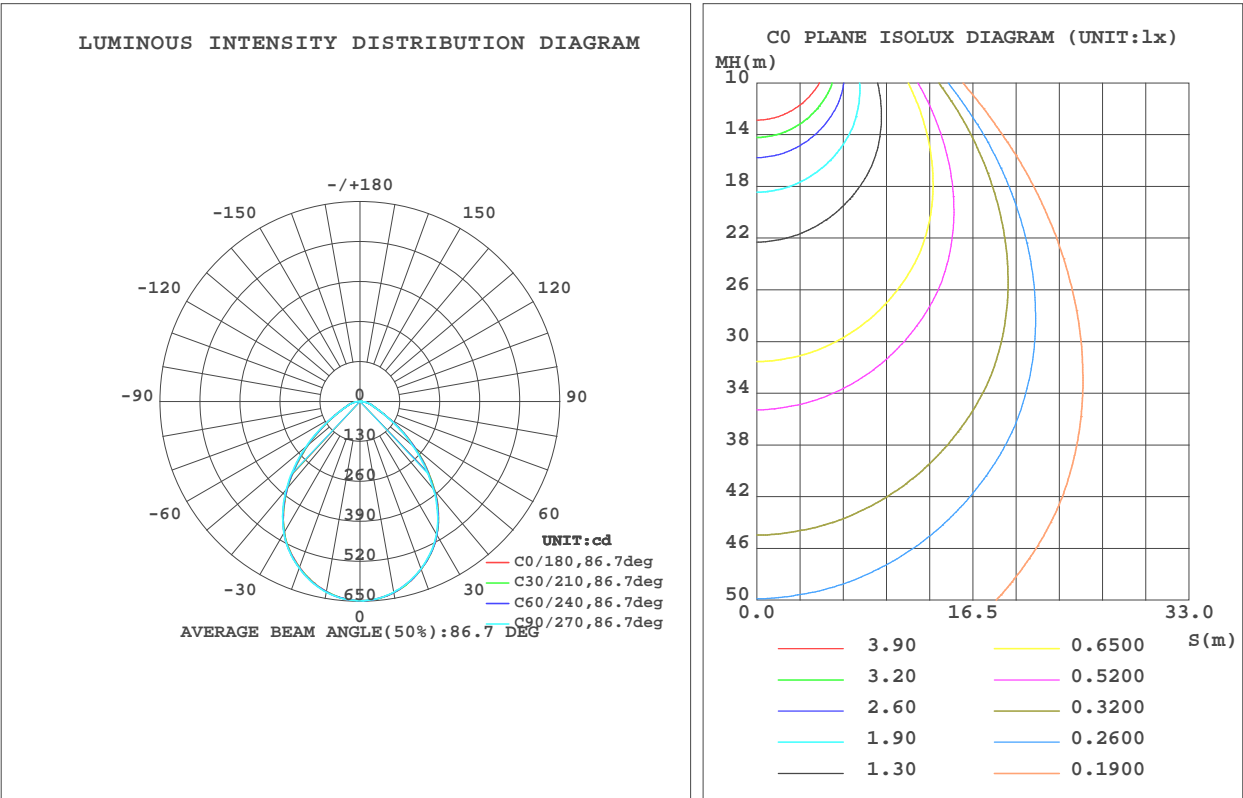


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.3V I:0.0942A P:10.76W PF:0.9491 Lamp Flux:1243.27x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 L-4000KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 L-4000KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 115.55 lm/W			
MODEL		Imax(cd)	648.2	S/MH(C0/180)	1.16
NOMINAL POWER(W)	10.76	LOR(%)	100.0	S/MH(C90/270)	1.15
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1243.3	h UP,DN(C0-180)	0.0,49.9
NOMINAL FLUX(lm)	1243.27	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,50.0
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



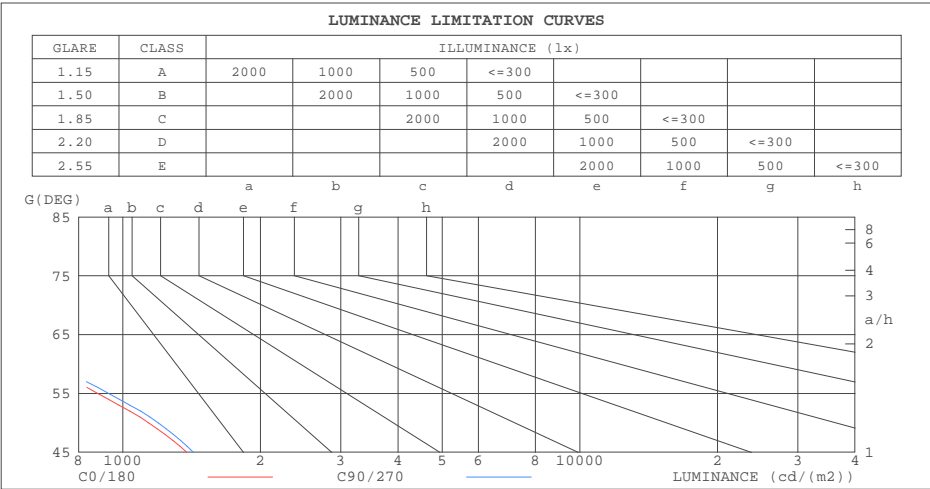
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-10-11

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	627.5	628.8	629.8	630.5	631.8	631.1	630.0	628.9	0~ 10	60.97	60.97	4.9
20	574.6	576.2	577.2	579.3	581.1	579.8	578.9	576.5	10~ 20	171.1	232.1	18.7
30	492.3	493.8	495.5	498.1	500.8	498.8	498.0	494.5	20~ 30	249.0	481.1	38.7
40	366.4	367.7	373.3	376.9	379.0	376.9	371.6	368.1	30~ 40	273.4	754.5	60.7
50	220.2	222.5	230.7	233.1	234.1	233.1	225.2	221.3	40~ 50	230.7	985.2	79.2
60	99.96	102.7	103.9	106.4	106.8	105.9	104.3	100.2	50~ 60	143.5	1129	90.8
70	45.85	45.72	45.79	46.49	46.41	46.11	46.07	45.70	60~ 70	68.49	1197	96.3
80	21.76	21.65	20.39	21.05	21.40	21.21	21.35	21.60	70~ 80	36.03	1233	99.2
90	0.0030	0	0	0	0	0	0	0	80~ 90	8.974	1242	99.9
100	0	0	0	0	0	0	0	0	90~100	0.0000	1242	99.9
110	0	0	0	0	0	0	0	0	100~110	0	1242	99.9
120	0	0	0	0	0	0	0	0	110~120	0	1242	99.9
130	0	0.0250	0	0.0126	0.0371	0	0.0557	0	120~130	0.0014	1242	99.9
140	0.2528	0.3208	0.2524	0.2961	0.3336	0.2775	0.3517	0.2955	130~140	0.1153	1242	99.9
150	0.5430	0.6107	0.5481	0.5917	0.6238	0.5674	0.6413	0.5730	140~150	0.2769	1243	99.9
160	0.7717	0.8512	0.7827	0.8383	0.8582	0.8076	0.8756	0.8257	150~160	0.3267	1243	100
170	0.9371	1.012	0.9493	1.017	1.002	0.9547	1.023	0.9612	160~170	0.2570	1243	100
180	1.000	1.042	1.017	1.048	1.013	1.036	1.042	1.042	170~180	0.0958	1243	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	325	244
80	417	392
75	445	434
70	446	446
65	517	523
60	666	693
55	882	932
50	1140	1197
45	1381	1428

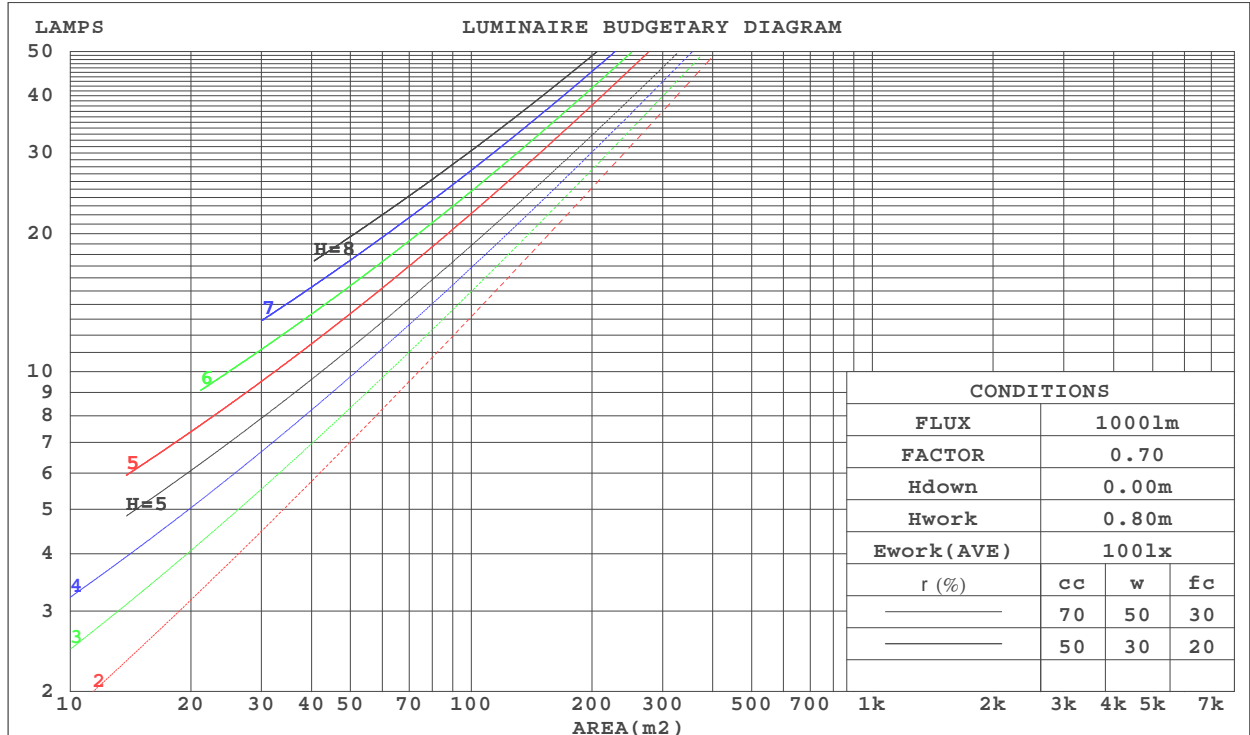
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-10-11

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:0.0942A P:10.76W PF:0.9491 Lamp Flux:1243.27x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 L-4000KTYPE:LED		WEIGHT:
SPEC.:F172#Selectfit downlight 8寸手板样 L-4000KDIM.:		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															Coefficients of Utilization(CU)														
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00														
1.0	1.07	1.04	1.00	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.93	.92	.90	.88														
2.0	.96	.90	.85	.94	.89	.84	.91	.86	.82	.87	.84	.81	.84	.81	.79	.77														
3.0	.86	.79	.74	.85	.78	.73	.82	.76	.72	.79	.74	.71	.77	.73	.69	.67														
4.0	.78	.70	.64	.76	.69	.64	.74	.68	.63	.72	.67	.62	.70	.65	.61	.60														
5.0	.70	.63	.57	.69	.62	.57	.67	.61	.56	.66	.60	.55	.64	.59	.55	.53														
6.0	.64	.56	.51	.63	.56	.50	.62	.55	.50	.60	.54	.50	.59	.53	.49	.47														
7.0	.59	.51	.45	.58	.51	.45	.57	.50	.45	.55	.49	.45	.54	.49	.44	.43														
8.0	.54	.46	.41	.54	.46	.41	.52	.46	.41	.51	.45	.41	.50	.44	.40	.39														
9.0	.50	.43	.37	.49	.42	.37	.48	.42	.37	.47	.41	.37	.46	.41	.37	.35														
10.0	.46	.39	.34	.46	.39	.34	.45	.39	.34	.44	.38	.34	.43	.38	.34	.32														



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-10-11

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:0.0942A P:10.76W PF:0.9491 Lamp Flux:1243.27x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 L-4000KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 L-4000KDIM.:	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	.243	.138	.044	.230	.132	.042	.218	.125	.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	.107	.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	.188	.094	.027	.185	.093	.027	.178	.091	.027	.172	.089	.026	.166	.087	.026	
7.0	.177	.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	.022	.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	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.177	.157	.140	.151	.135	.120	.103	.093	.083	.060	.054	.048	.019	.017	.016	
2.0	.166	.133	.105	.142	.114	.091	.097	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.157	.115	.081	.134	.099	.070	.092	.069	.049	.053	.040	.029	.017	.013	.010	
4.0	.149	.101	.064	.128	.087	.056	.088	.061	.039	.051	.036	.023	.016	.012	.008	
5.0	.141	.090	.052	.121	.078	.046	.084	.054	.032	.048	.032	.019	.016	.010	.006	
6.0	.134	.081	.043	.116	.071	.038	.080	.049	.027	.046	.029	.016	.015	.009	.005	
7.0	.128	.074	.037	.110	.064	.032	.076	.045	.023	.044	.027	.014	.014	.009	.004	
8.0	.122	.069	.032	.105	.059	.028	.073	.042	.020	.042	.025	.012	.014	.008	.004	
9.0	.117	.064	.028	.100	.055	.024	.070	.039	.017	.041	.023	.010	.013	.008	.003	
10.0	.111	.059	.025	.096	.051	.021	.067	.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:2024-10-11

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:0.0942A P:10.76W PF:0.9491 Lamp Flux:1243.27x1 lm										
NAME: F172#Selectfit downlight 8寸手板样 L-4000KTYPE:LED								WEIGHT:		
SPEC.:F172#Selectfit downlight 8寸手板样 L-4000KDIM.:								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	11.7	13.0	11.9	13.2	13.4	11.8	13.1	12.1	13.3	13.5
3H	12.1	13.3	12.3	13.5	13.7	12.2	13.4	12.5	13.6	13.9
4H	12.3	13.4	12.6	13.7	13.9	12.4	13.5	12.7	13.8	14.0
6H	12.5	13.6	12.8	13.8	14.1	12.6	13.6	12.9	13.9	14.2
8H	12.5	13.6	12.9	13.9	14.1	12.6	13.6	12.9	13.9	14.2
12H	12.6	13.6	12.9	13.8	14.1	12.6	13.6	12.9	13.9	14.2
4H 2H	11.8	12.9	12.1	13.2	13.4	11.9	13.1	12.2	13.3	13.6
3H	12.4	13.4	12.7	13.6	13.9	12.5	13.5	12.8	13.8	14.0
4H	12.7	13.6	13.1	13.9	14.3	12.8	13.7	13.2	14.0	14.3
6H	13.1	13.8	13.4	14.2	14.5	13.1	13.9	13.5	14.2	14.6
8H	13.2	13.9	13.6	14.3	14.6	13.2	13.9	13.6	14.3	14.6
12H	13.2	13.9	13.7	14.3	14.7	13.2	13.9	13.6	14.3	14.7
8H 4H	12.8	13.6	13.2	13.9	14.3	12.9	13.6	13.3	14.0	14.4
6H	13.3	13.9	13.7	14.3	14.7	13.3	13.9	13.7	14.3	14.7
8H	13.5	14.0	13.9	14.4	14.9	13.4	14.0	13.9	14.4	14.8
12H	13.6	14.0	14.1	14.5	15.0	13.5	14.0	14.0	14.4	14.9
12H 4H	12.8	13.5	13.2	13.9	14.3	12.9	13.6	13.3	13.9	14.3
6H	13.3	13.8	13.8	14.3	14.7	13.3	13.8	13.8	14.3	14.7
8H	13.5	14.0	14.0	14.4	14.9	13.5	13.9	14.0	14.4	14.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.8					+ 0.6 / - 0.8				
1.5H	+ 0.3 / - 0.3					+ 0.3 / - 0.4				
2.0H	+ 1.4 / - 1.3					+ 1.4 / - 1.4				

CIE Pub.117 Corrected 1243 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.8)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-10-11

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:0.0942A P:10.76W PF:0.9491 Lamp Flux:1243.27x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 L-4000KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 L-4000KDIM.:	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	57	51	65	56	50	45
0.80	77	67	61	76	67	61	74	66	60	54
1.00	85	75	70	83	75	69	81	76	69	63
1.25	91	83	77	90	82	76	87	81	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	98	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	103	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:2024-10-11

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:0.0942A P:10.76W PF:0.9491 Lamp Flux:1243.27x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 L-4000KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 L-4000KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

878.82 lm

%lum = 70.7%

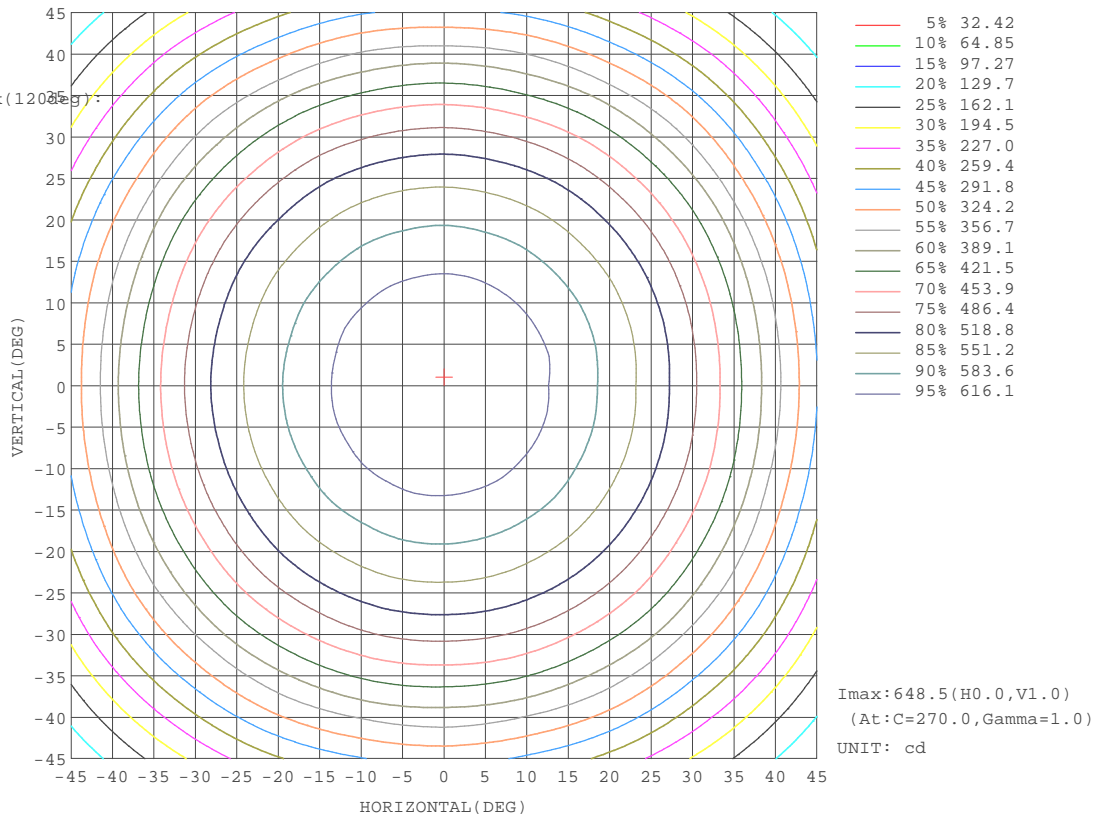
%lamp = 70.7%

Conical surface Flux(120deg):

1128.7 lm

%lum = 90.8%

%lamp = 90.8%



C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Aaron

Test Date:2024-10-11

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]

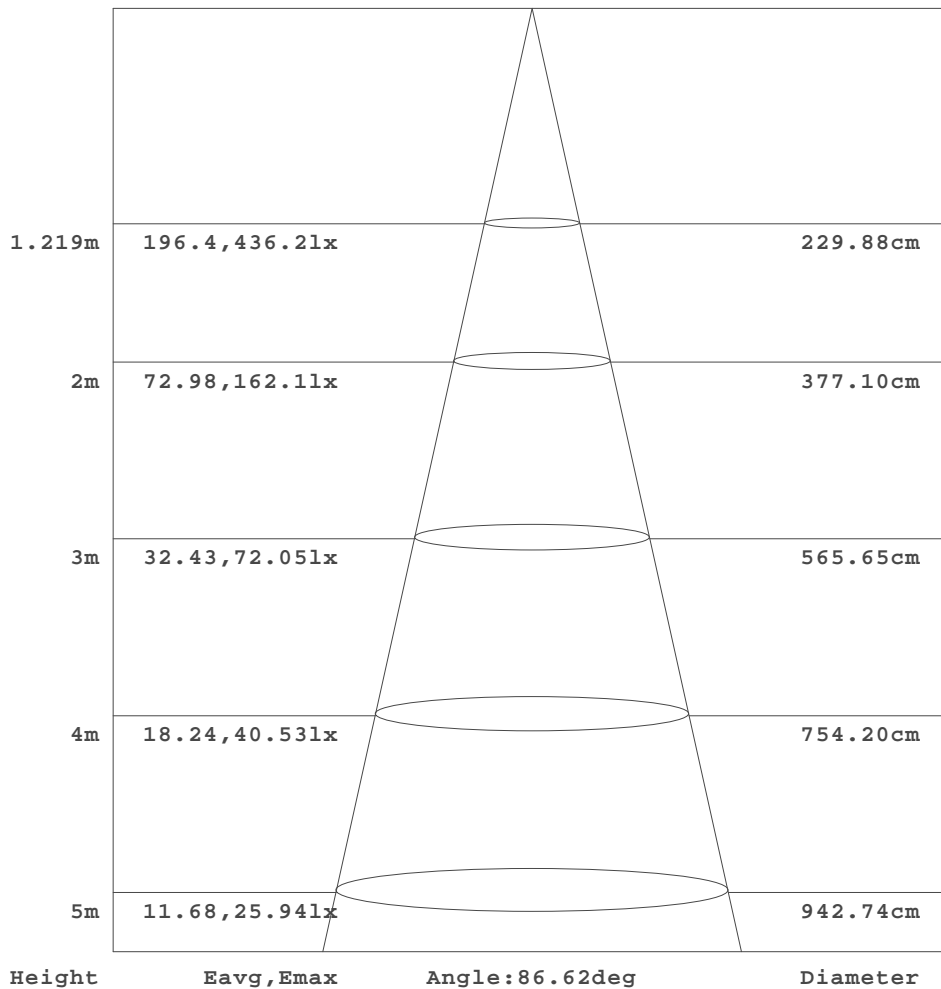
Remarks: TRP-240925SHA-01\_F172

T409251

## AAI Figure

Test:U:120.3V I:0.0942A P:10.76W PF:0.9491 Lamp Flux:1243.27x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 L-4000KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 L-4000KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:855.2 lm



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

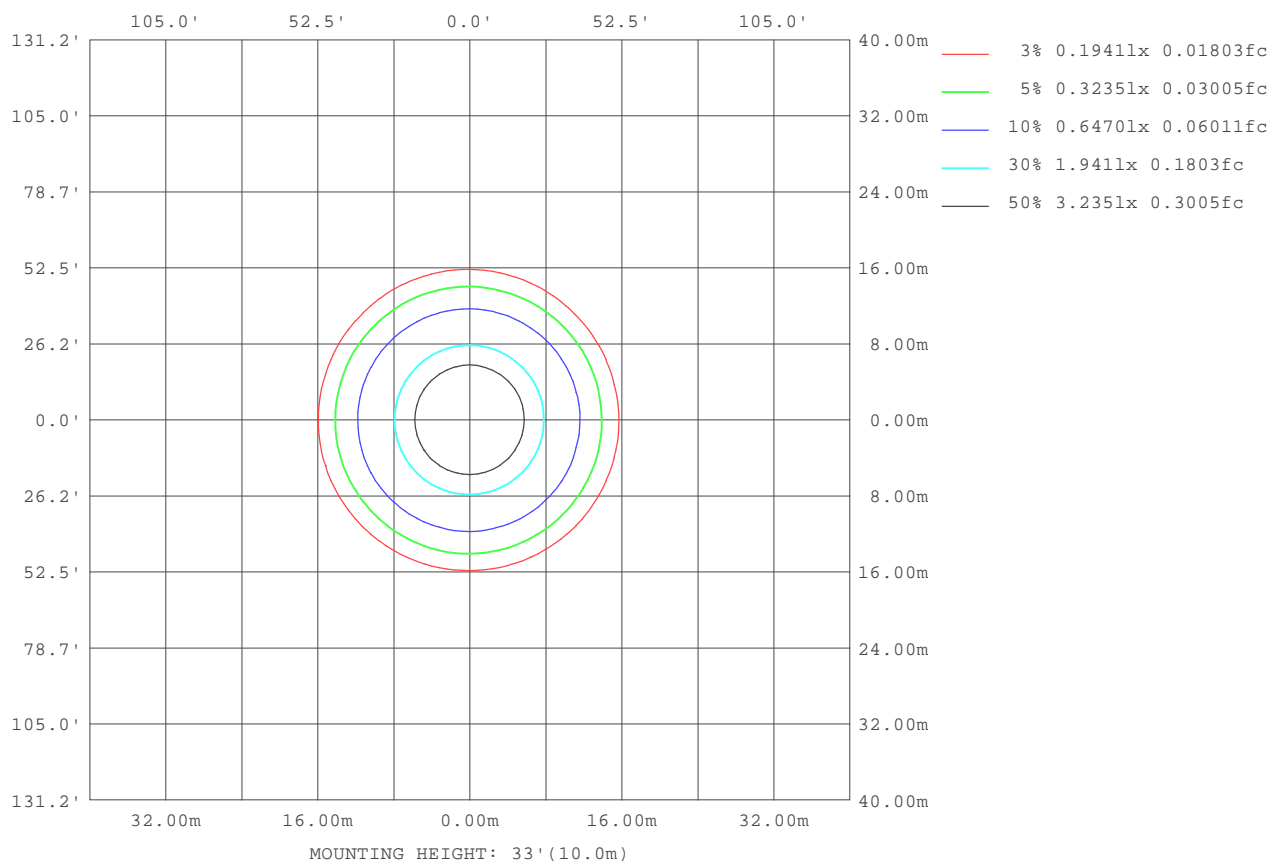
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Aaron  
 Test Date: 2024-10-11

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

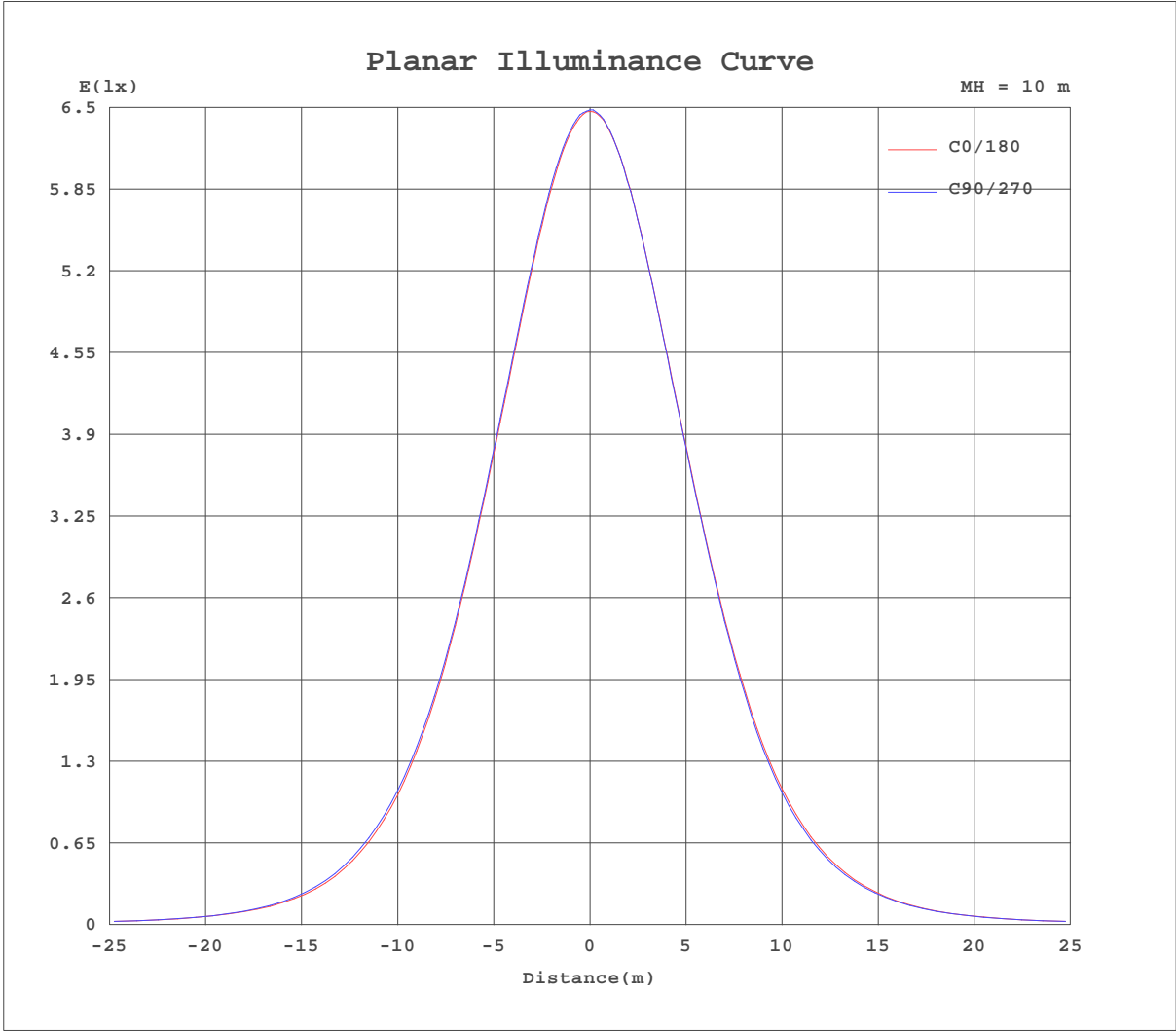
Test:U:120.3V I:0.0942A P:10.76W PF:0.9491 Lamp Flux:1243.27x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 L-4000KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 L-4000KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-10-11

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:2024-10-11

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