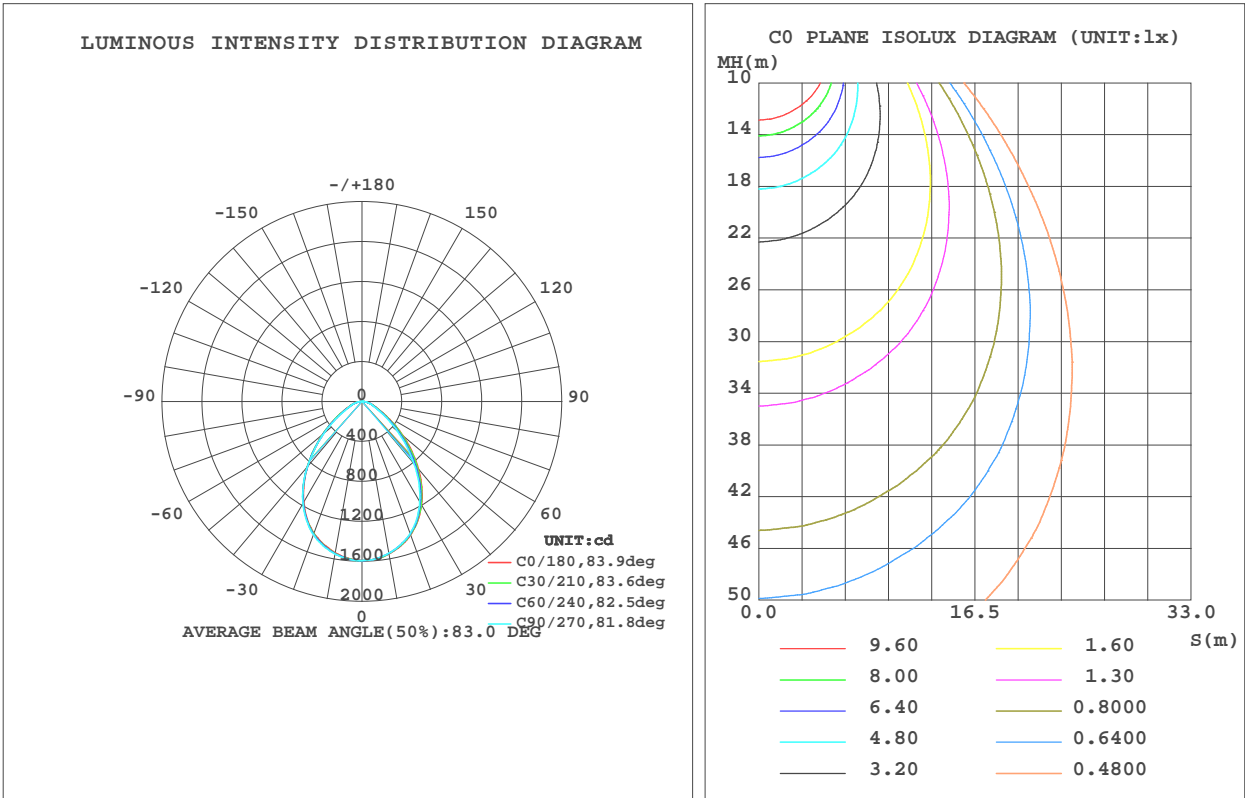


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.1V I:0.2503A P:29.54W PF:0.9837 Lamp Flux:2931.71x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-2700KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-2700KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 99.25 lm/W			
MODEL		Imax(cd)	1594	S/MH(C0/180)	1.13
NOMINAL POWER(W)	29.54	LOR(%)	100.0	S/MH(C90/270)	1.11
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2931.7	h UP,DN(C0-180)	0.1,50.4
NOMINAL FLUX(lm)	2931.71	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



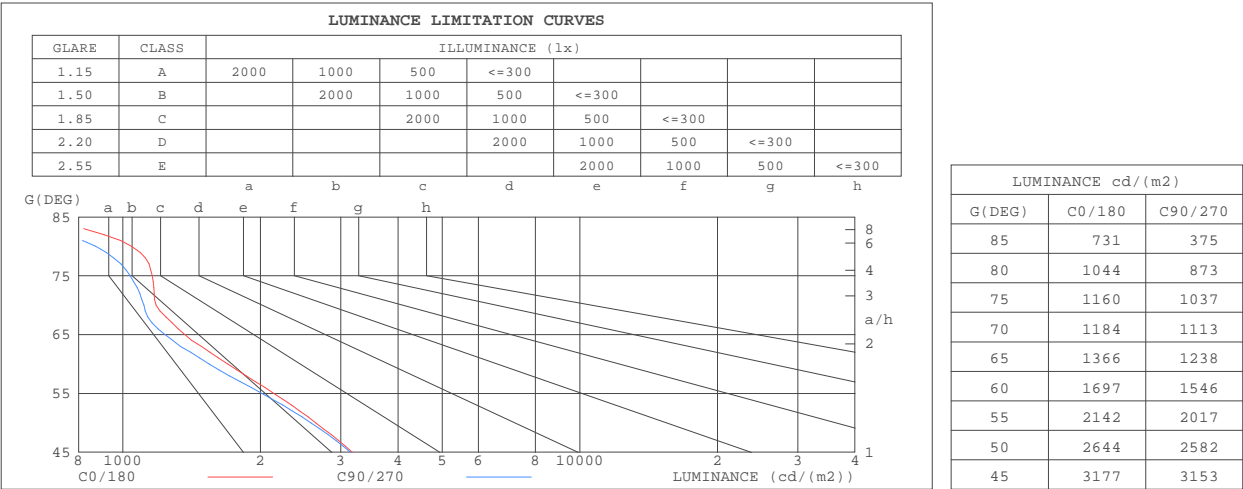
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-30

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	1538	1543	1550	1549	1550	1544	1543	1540	0~ 10	149.7	149.7	5.11
20	1405	1412	1420	1423	1421	1412	1407	1402	10~ 20	419.2	569.0	19.4
30	1167	1177	1183	1195	1192	1176	1158	1157	20~ 30	600.1	1169	39.9
40	846.5	854.5	850.5	879.3	878.5	848.5	810.9	825.3	30~ 40	635.7	1805	61.6
50	509.8	515.0	498.1	532.6	541.0	508.7	467.0	485.0	40~ 50	519.0	2324	79.3
60	254.5	247.1	232.0	252.4	262.0	245.6	221.7	234.9	50~ 60	325.4	2649	90.4
70	121.4	117.3	114.2	119.3	124.5	117.1	112.8	114.7	60~ 70	168.8	2818	96.1
80	54.38	50.68	45.48	51.65	52.00	51.21	47.10	50.91	70~ 80	89.53	2907	99.2
90	0.0026	0	0	0	0	0	0	0	80~ 90	19.51	2927	99.8
100	0	0	0	0	0	0	0	0	90~100	0.0000	2927	99.8
110	0	0	0	0	0	0	0	0	100~110	0	2927	99.8
120	0.2338	0.2959	0.1726	0.2162	0.3268	0.2153	0.3091	0.2892	110~120	0.0784	2927	99.8
130	0.7697	0.8386	0.7029	0.7089	0.8694	0.7572	0.8829	0.8560	120~130	0.4540	2927	99.9
140	1.430	1.504	1.363	1.337	1.530	1.429	1.573	1.534	130~140	0.8613	2928	99.9
150	2.120	2.194	2.067	2.034	2.202	2.144	2.271	2.218	140~150	1.128	2929	99.9
160	2.712	2.778	2.696	2.644	2.781	2.741	2.875	2.772	150~160	1.130	2931	100
170	3.101	3.198	3.121	3.125	3.194	3.154	3.239	3.142	160~170	0.8354	2931	100
180	3.274	3.327	3.325	3.303	3.286	3.314	3.331	3.266	170~180	0.3087	2932	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



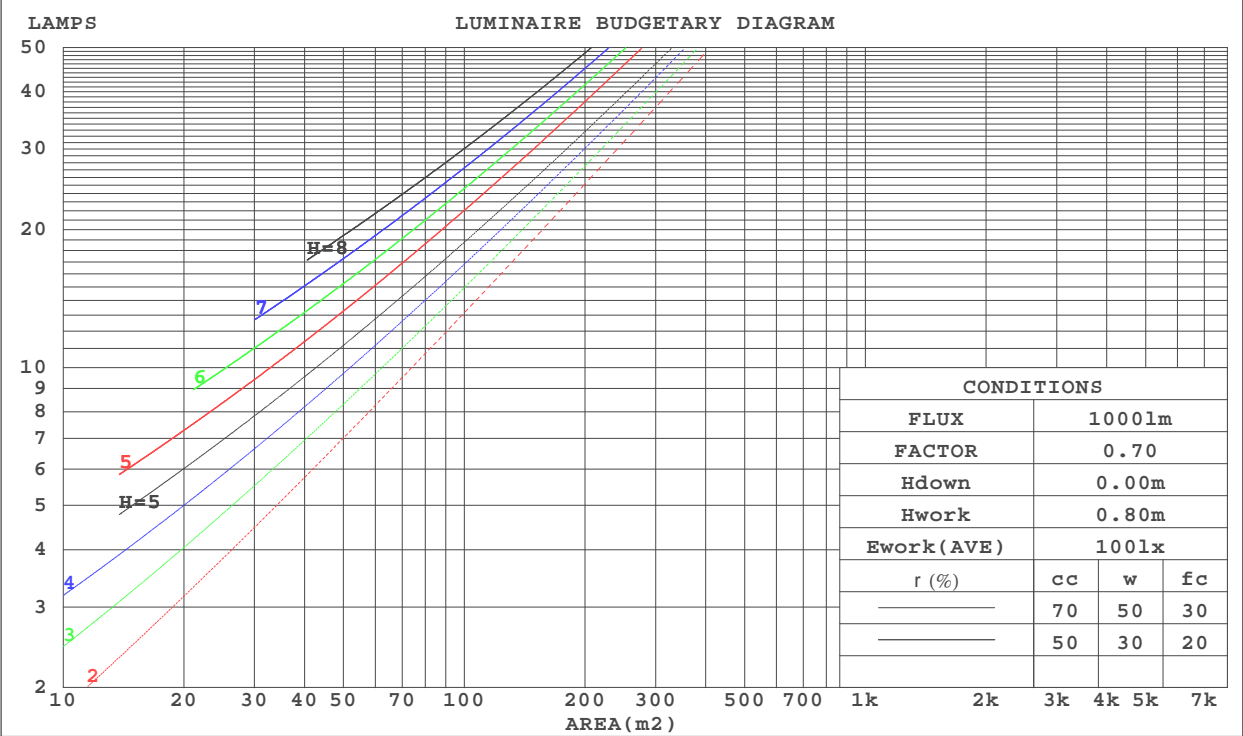
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-30

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

Test:U:120.1V I:0.2503A P:29.54W PF:0.9837 Lamp Flux:2931.71x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-2700KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-2700KM.:	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	.86	.94	.89	.85	.91	.86	.83	.87	.84	.81	.84	.82	.79	.77
3.0	.86	.79	.74	.85	.78	.73	.82	.76	.72	.79	.75	.71	.77	.73	.70	.68
4.0	.78	.70	.65	.77	.70	.64	.74	.68	.63	.72	.67	.63	.70	.65	.62	.60
5.0	.71	.63	.57	.70	.62	.57	.68	.61	.56	.66	.60	.56	.64	.59	.55	.53
6.0	.65	.57	.51	.64	.56	.51	.62	.55	.50	.60	.55	.50	.59	.54	.50	.48
7.0	.59	.51	.46	.58	.51	.46	.57	.50	.46	.56	.50	.45	.54	.49	.45	.43
8.0	.55	.47	.42	.54	.47	.42	.53	.46	.41	.51	.45	.41	.50	.45	.41	.39
9.0	.51	.43	.38	.50	.43	.38	.49	.42	.38	.48	.42	.38	.47	.41	.37	.36
10.0	.47	.40	.35	.46	.39	.35	.45	.39	.35	.45	.39	.35	.44	.38	.34	.33



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:120.1V I:0.2503A P:29.54W PF:0.9837 Lamp Flux:2931.71x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-2700KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-2700KM.:	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	.220	.118	.036	.211	.114	.035	.201	.110	.034	.193	.107	.033	
4.0	.212	.110	.032	.207	.109	.032	.199	.105	.031	.191	.102	.031	.183	.100	.030	
5.0	.199	.102	.029	.195	.100	.029	.187	.098	.029	.180	.095	.028	.173	.093	.028	
6.0	.187	.094	.027	.184	.093	.027	.177	.091	.026	.170	.089	.026	.164	.087	.026	
7.0	.176	.087	.025	.173	.086	.025	.167	.084	.024	.161	.083	.024	.156	.081	.024	
8.0	.166	.081	.023	.164	.081	.023	.158	.079	.023	.153	.077	.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	.019	.134	.067	.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	.136	.121	.104	.093	.084	.060	.054	.049	.019	.017	.016	
2.0	.166	.133	.106	.143	.115	.091	.098	.079	.064	.056	.046	.037	.018	.015	.012	
3.0	.157	.115	.082	.135	.099	.071	.093	.069	.050	.053	.040	.029	.017	.013	.010	
4.0	.149	.101	.065	.128	.088	.057	.088	.061	.040	.051	.036	.024	.016	.012	.008	
5.0	.141	.091	.053	.122	.078	.046	.084	.055	.033	.048	.032	.019	.016	.010	.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	.028	.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:120.1V I:0.2503A P:29.54W PF:0.9837 Lamp Flux:2931.71x1 lm										
NAME: F172#Selectfit downlight 6寸HO手板样 H-2700KPE:LED							WEIGHT:			
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-2700K.:							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	14.8	16.1	15.0	16.3	16.4	14.5	15.8	14.8	16.0	16.2
3H	15.3	16.5	15.6	16.7	16.9	15.0	16.2	15.3	16.4	16.6
4H	15.6	16.7	15.9	16.9	17.2	15.2	16.4	15.5	16.6	16.8
6H	15.8	16.8	16.1	17.1	17.4	15.4	16.5	15.7	16.7	17.0
8H	15.8	16.9	16.2	17.1	17.4	15.4	16.4	15.7	16.7	17.0
12H	15.8	16.8	16.2	17.1	17.4	15.4	16.4	15.7	16.7	17.0
4H 2H	14.9	16.1	15.2	16.3	16.5	14.7	15.8	15.0	16.1	16.3
3H	15.6	16.6	16.0	16.9	17.2	15.4	16.3	15.7	16.6	16.9
4H	16.0	16.9	16.4	17.2	17.6	15.7	16.6	16.1	16.9	17.2
6H	16.4	17.2	16.8	17.5	17.9	16.0	16.8	16.4	17.1	17.5
8H	16.5	17.2	16.9	17.6	18.0	16.1	16.8	16.5	17.1	17.5
12H	16.5	17.2	17.0	17.6	18.0	16.0	16.7	16.5	17.1	17.5
8H 4H	16.1	16.8	16.5	17.2	17.6	15.8	16.6	16.2	16.9	17.3
6H	16.6	17.2	17.0	17.6	18.0	16.2	16.8	16.6	17.2	17.6
8H	16.8	17.3	17.2	17.7	18.2	16.3	16.9	16.8	17.3	17.7
12H	16.9	17.3	17.4	17.8	18.3	16.3	16.8	16.8	17.2	17.7
12H 4H	16.1	16.8	16.5	17.2	17.6	15.8	16.5	16.2	16.9	17.3
6H	16.6	17.1	17.1	17.6	18.0	16.2	16.8	16.7	17.2	17.6
8H	16.8	17.3	17.3	17.7	18.2	16.4	16.8	16.8	17.3	17.7
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 / - 1.1					+ 1.4 / - 1.2				

CIE Pub.117 Corrected 2932 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.7)

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:120.1V I:0.2503A P:29.54W PF:0.9837 Lamp Flux:2931.71x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-2700K	TYPE:LED	WEIGHT:
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-2700K	MODEL:	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	52	67	57	51	66	57	51	46
0.80	77	68	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	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:2024-09-30

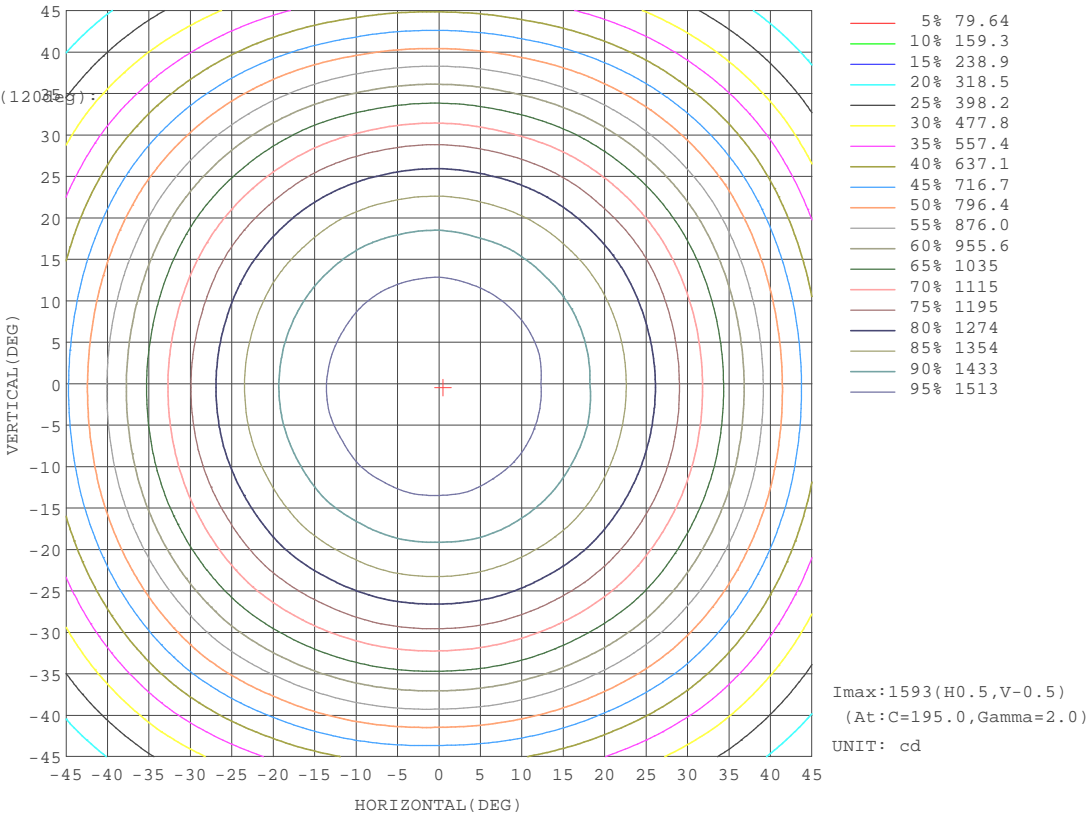
g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:10.627m [K=1.0000]  
 Remarks: TRP-240925SHA-01\_F172  
 T409251

ISOCANDELA DIAGRAM

Test:U:120.1V I:0.2503A P:29.54W PF:0.9837 Lamp Flux:2931.71x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-2700KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-2700KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):  
2086 lm  
%lum = 71.2%  
%lamp = 71.2%

Conical surface Flux(120deg):  
2649.1 lm  
%lum = 90.4%  
%lamp = 90.4%



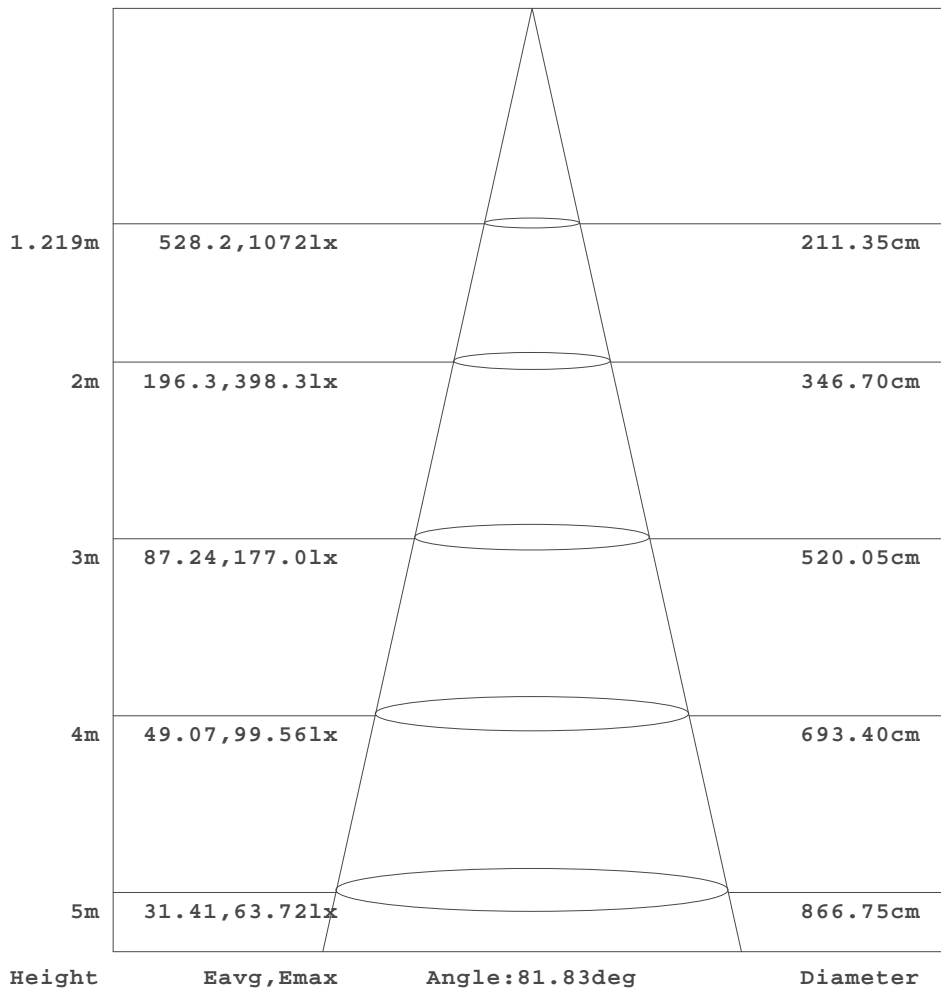
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-30

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:120.1V I:0.2503A P:29.54W PF:0.9837 Lamp Flux:2931.71x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-2700KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-2700K:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:1864 lm



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

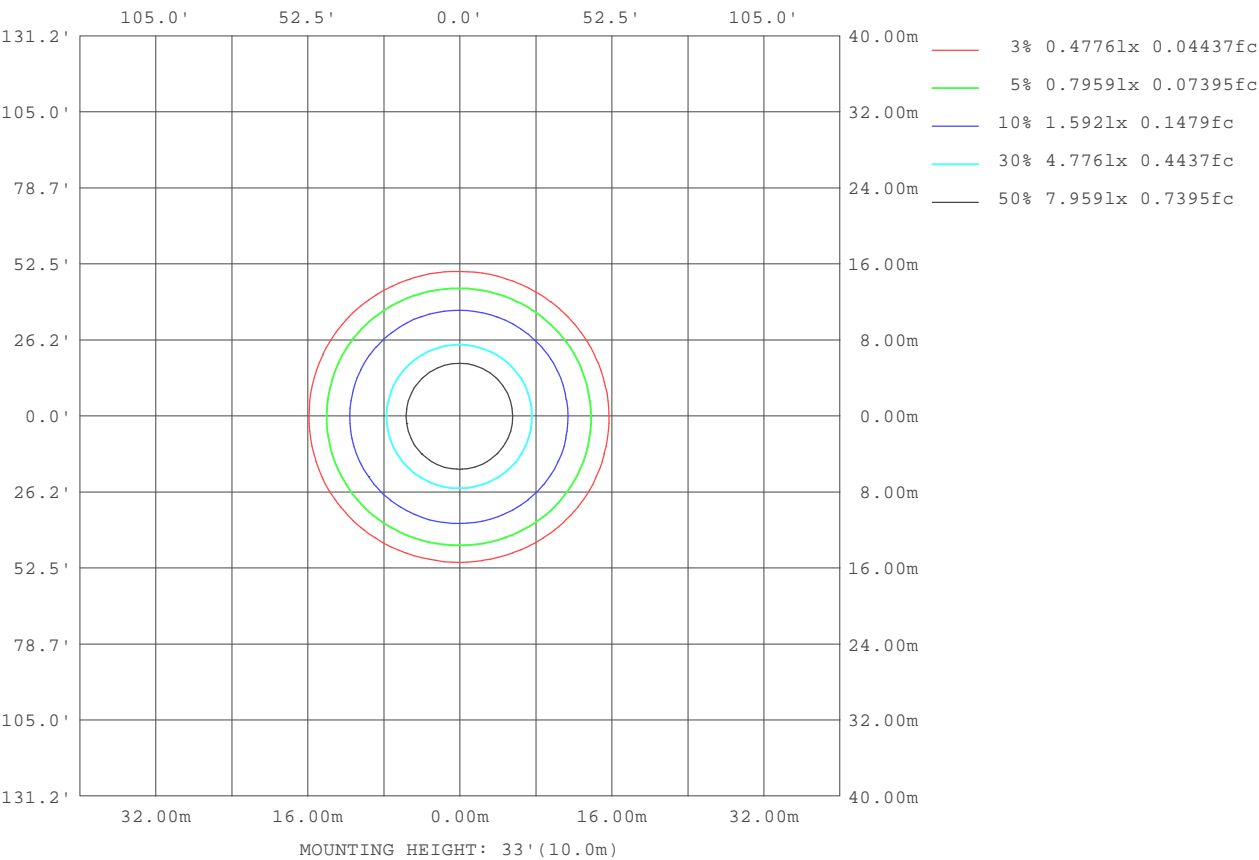
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Aaron  
 Test Date: 2024-09-30

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

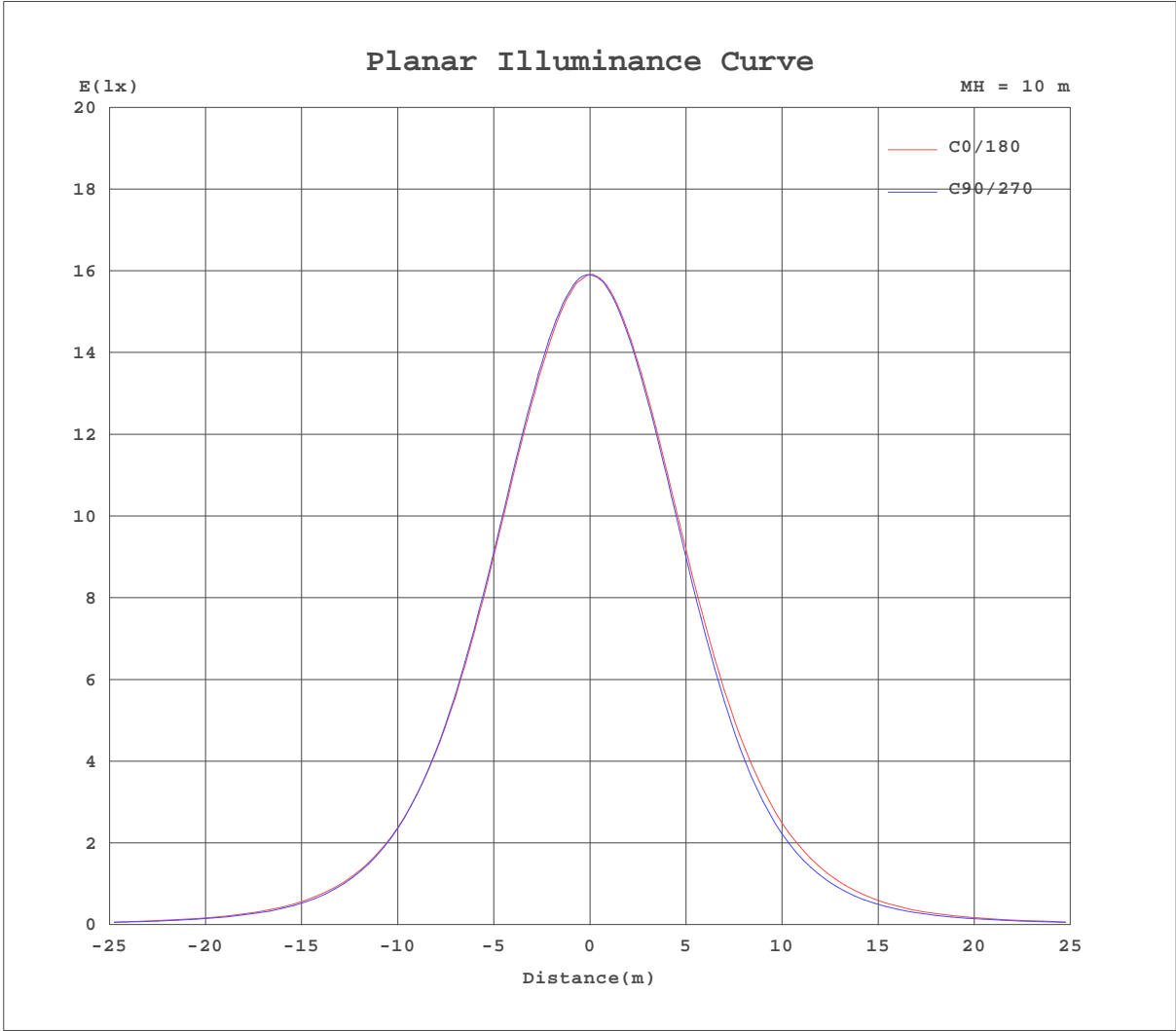
Test:U:120.1V I:0.2503A P:29.54W PF:0.9837 Lamp Flux:2931.71x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-2700KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-2700KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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