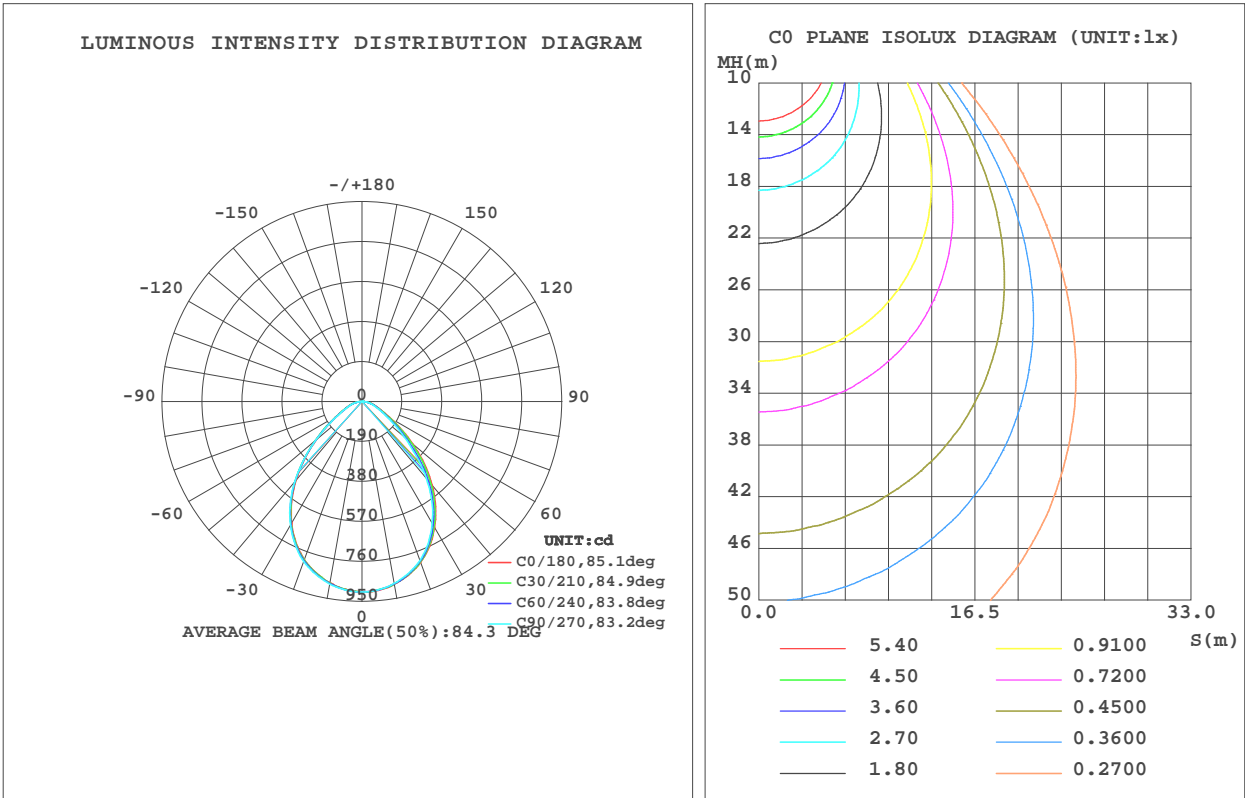


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.3V I:0.1437A P:16.24W PF:0.9596 Lamp Flux:1687.1lx1 lm		
NAME: F172#Selectfit downlight 6寸手板样 H-2700KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸手板样 H-2700KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 103.89 lm/W			
MODEL		Imax(cd)	906.6	S/MH(C0/180)	1.15
NOMINAL POWER(W)	16.24	LOR(%)	100.0	S/MH(C90/270)	1.12
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1687.1	h UP,DN(C0-180)	0.1,50.4
NOMINAL FLUX(lm)	1687.11	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.1,49.5
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



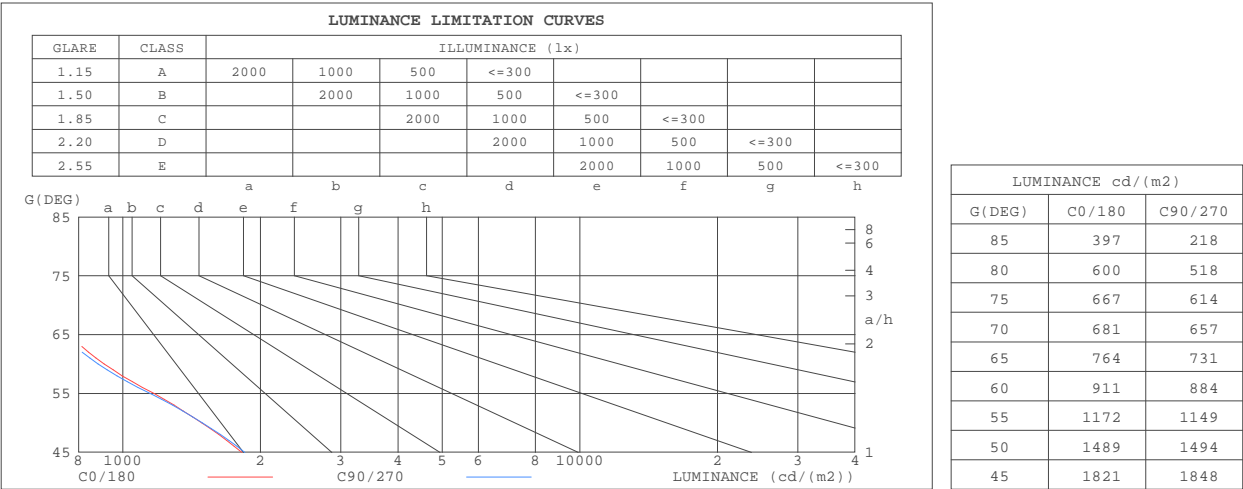
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-14

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-240913SHA-02\_F172  
T409132

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	874.5	878.2	881.5	883.4	882.0	882.3	877.7	877.3	0~ 10	85.20	85.20	5.05
20	800.2	804.1	810.0	813.8	813.6	809.9	804.5	801.3	10~ 20	239.0	324.2	19.2
30	668.6	675.4	680.0	689.9	690.5	680.3	668.7	666.7	20~ 30	344.0	668.2	39.6
40	488.3	496.4	497.5	518.8	519.4	501.1	476.0	481.8	30~ 40	369.1	1037	61.5
50	287.3	291.7	288.1	311.7	316.3	298.0	263.2	276.3	40~ 50	302.3	1340	79.4
60	136.7	138.1	132.5	147.2	151.8	139.4	125.3	128.9	50~ 60	184.1	1524	90.3
70	69.86	68.34	67.39	71.15	74.17	69.44	66.29	66.58	60~ 70	97.34	1621	96.1
80	31.27	29.24	26.95	31.21	31.56	30.45	27.45	29.27	70~ 80	52.62	1674	99.2
90	0	0	0	0	0	0	0	0	80~ 90	11.39	1685	99.9
100	0	0	0	0	0	0	0	0	90~100	0	1685	99.9
110	0	0	0	0	0	0	0	0	100~110	0	1685	99.9
120	0	0	0	0	0	0	0	0	110~120	0	1685	99.9
130	0.1726	0.2467	0.1474	0.1481	0.2411	0.1601	0.2714	0.2342	120~130	0.0567	1685	99.9
140	0.5672	0.6356	0.5475	0.5124	0.6294	0.5549	0.6785	0.6414	130~140	0.2993	1686	99.9
150	0.9621	1.036	0.9428	0.9256	1.024	0.9681	1.085	1.030	140~150	0.4939	1686	99.9
160	1.295	1.369	1.294	1.289	1.363	1.332	1.412	1.332	150~160	0.5373	1687	100
170	1.535	1.604	1.535	1.561	1.604	1.554	1.634	1.548	160~170	0.4103	1687	100
180	1.659	1.647	1.640	1.665	1.665	1.690	1.652	1.665	170~180	0.1539	1687	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



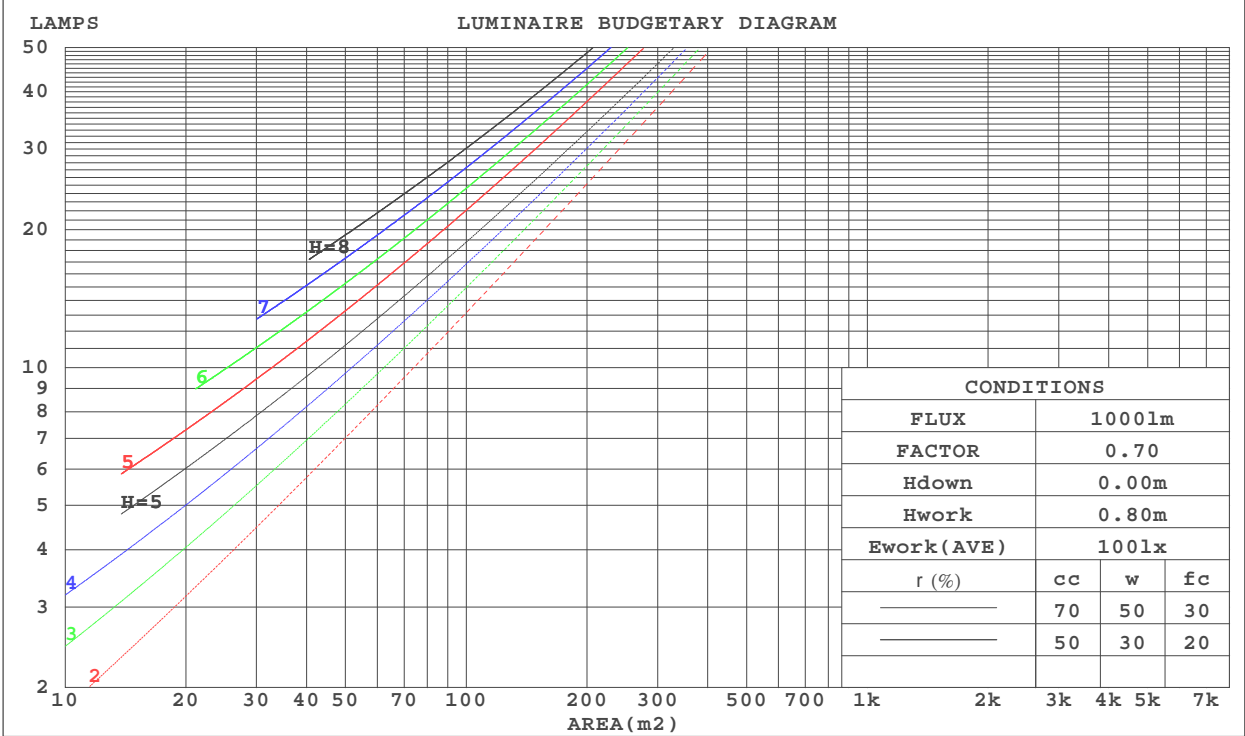
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-14

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-240913SHA-02\_F172  
T409132

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.3V I:0.1437A P:16.24W PF:0.9596 Lamp Flux:1687.11x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 H-2700KTYPE:LED		WEIGHT:
SPEC.:F172#Selectfit downlight 6寸手板样 H-2700KDIM.:		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:2024-09-14

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-240913SHA-02\_F172  
T409132

## WEC AND CCEC

Test:U:120.3V I:0.1437A P:16.24W PF:0.9596 Lamp Flux:1687.11x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 H-2700KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸手板样 H-2700KDIM.:	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	.132	.042	.217	.125	.040	.206	.120	.039	
2.0	.240	.131	.040	.234	.129	.040	.222	.124	.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	.184	.100	.030	
5.0	.199	.102	.029	.195	.100	.029	.188	.098	.029	.181	.095	.028	.174	.093	.028	
6.0	.188	.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	.162	.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	.143	.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	.191	.191	.191	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.177	.158	.140	.151	.135	.121	.104	.093	.083	.060	.054	.048	.019	.017	.016	
2.0	.166	.133	.105	.142	.115	.091	.098	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.157	.115	.081	.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	.115	.071	.038	.080	.049	.027	.046	.029	.016	.015	.010	.005	
7.0	.128	.075	.037	.110	.065	.032	.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	.024	.070	.039	.017	.041	.023	.010	.013	.008	.003	
10.0	.111	.059	.025	.096	.052	.022	.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:2024-09-14

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-240913SHA-02\_F172  
T409132

UGR(Unified Glare Rating) Table

Test:U:120.3V I:0.1437A P:16.24W PF:0.9596 Lamp Flux:1687.11x1 lm										
NAME: F172#Selectfit downlight 6寸手板样 H-2700KTYPE:LED								WEIGHT:		
SPEC.:F172#Selectfit downlight 6寸手板样 H-2700KDIM.:								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	12.7	14.0	12.9	14.2	14.3	12.6	13.9	12.8	14.1	14.3
3H	13.2	14.4	13.5	14.6	14.9	13.1	14.3	13.4	14.5	14.7
4H	13.5	14.6	13.8	14.9	15.1	13.3	14.5	13.6	14.7	15.0
6H	13.7	14.8	14.0	15.1	15.3	13.5	14.6	13.8	14.8	15.1
8H	13.8	14.8	14.1	15.1	15.4	13.5	14.6	13.9	14.8	15.1
12H	13.8	14.8	14.1	15.1	15.4	13.5	14.5	13.9	14.8	15.1
4H 2H	12.8	14.0	13.1	14.2	14.4	12.7	13.9	13.1	14.1	14.4
3H	13.6	14.6	13.9	14.8	15.1	13.4	14.4	13.8	14.7	15.0
4H	14.0	14.9	14.3	15.2	15.5	13.8	14.7	14.2	15.0	15.4
6H	14.3	15.1	14.7	15.5	15.8	14.1	14.9	14.5	15.2	15.6
8H	14.5	15.2	14.9	15.6	15.9	14.2	14.9	14.6	15.3	15.6
12H	14.5	15.2	14.9	15.6	16.0	14.2	14.8	14.6	15.2	15.6
8H 4H	14.1	14.8	14.5	15.2	15.6	13.9	14.7	14.3	15.0	15.4
6H	14.6	15.2	15.0	15.6	16.0	14.3	14.9	14.8	15.3	15.8
8H	14.8	15.3	15.2	15.7	16.2	14.4	15.0	14.9	15.4	15.9
12H	14.9	15.3	15.3	15.8	16.2	14.5	14.9	14.9	15.4	15.9
12H 4H	14.1	14.7	14.5	15.1	15.5	13.9	14.6	14.4	15.0	15.4
6H	14.6	15.1	15.0	15.5	16.0	14.4	14.9	14.8	15.3	15.8
8H	14.8	15.2	15.3	15.7	16.2	14.5	14.9	15.0	15.4	15.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.7					+ 0.6 / - 0.8				
1.5H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				
2.0H	+ 1.3 / - 1.0					+ 1.5 / - 1.1				

CIE Pub.117 Corrected 1687 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.8)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Aaron  
 Test Date:2024-09-14

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-240913SHA-02\_F172  
 T409132

## UTILIZATION FACTORS TABLE

Test:U:120.3V I:0.1437A P:16.24W PF:0.9596 Lamp Flux:1687.11x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 H-2700K	TYPE:LED	WEIGHT:
SPEC.:F172#Selectfit downlight 6寸手板样 H-2700K	DIM.:	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	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:2024-09-14

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-240913SHA-02\_F172  
 T409132

## ISOCANDELA DIAGRAM

Test:U:120.3V I:0.1437A P:16.24W PF:0.9596 Lamp Flux:1687.1lx1 lm		
NAME: F172#Selectfit downlight 6寸手板样 H-2700KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸手板样 H-2700KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

1202 lm

%lum = 71.2%

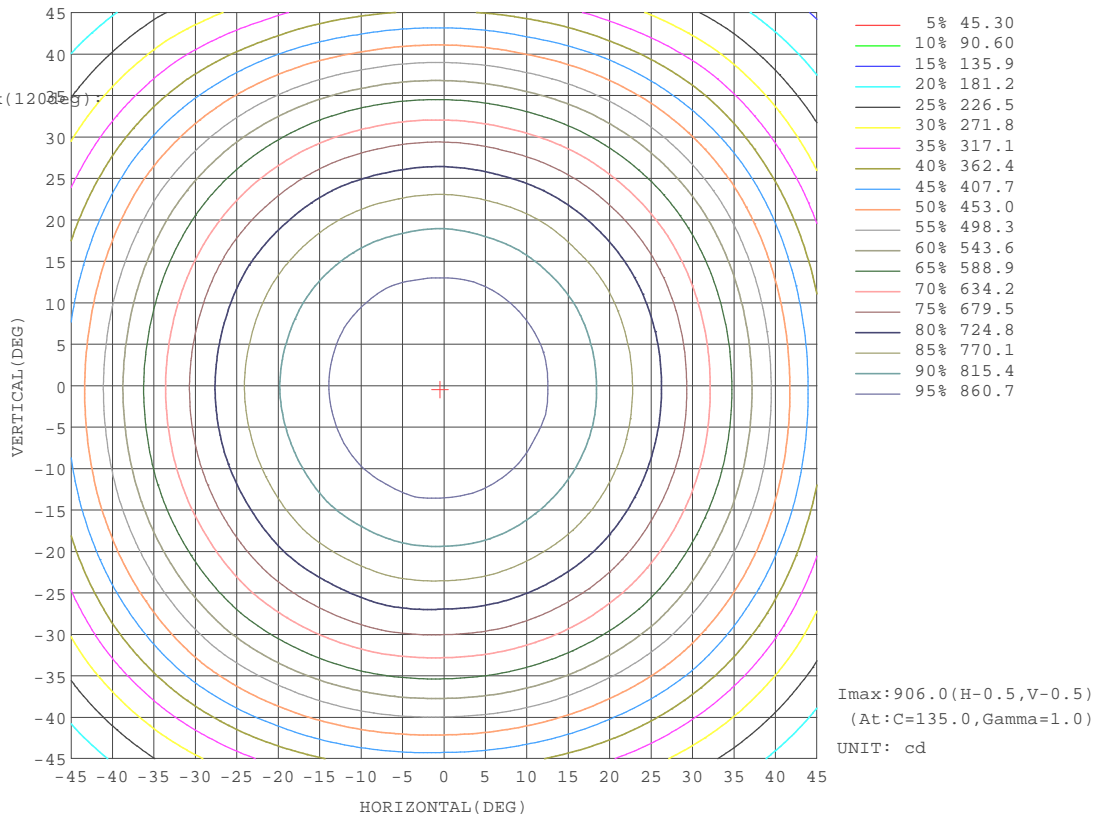
%lamp = 71.2%

Conical surface Flux(120deg):

1523.8 lm

%lum = 90.3%

%lamp = 90.3%



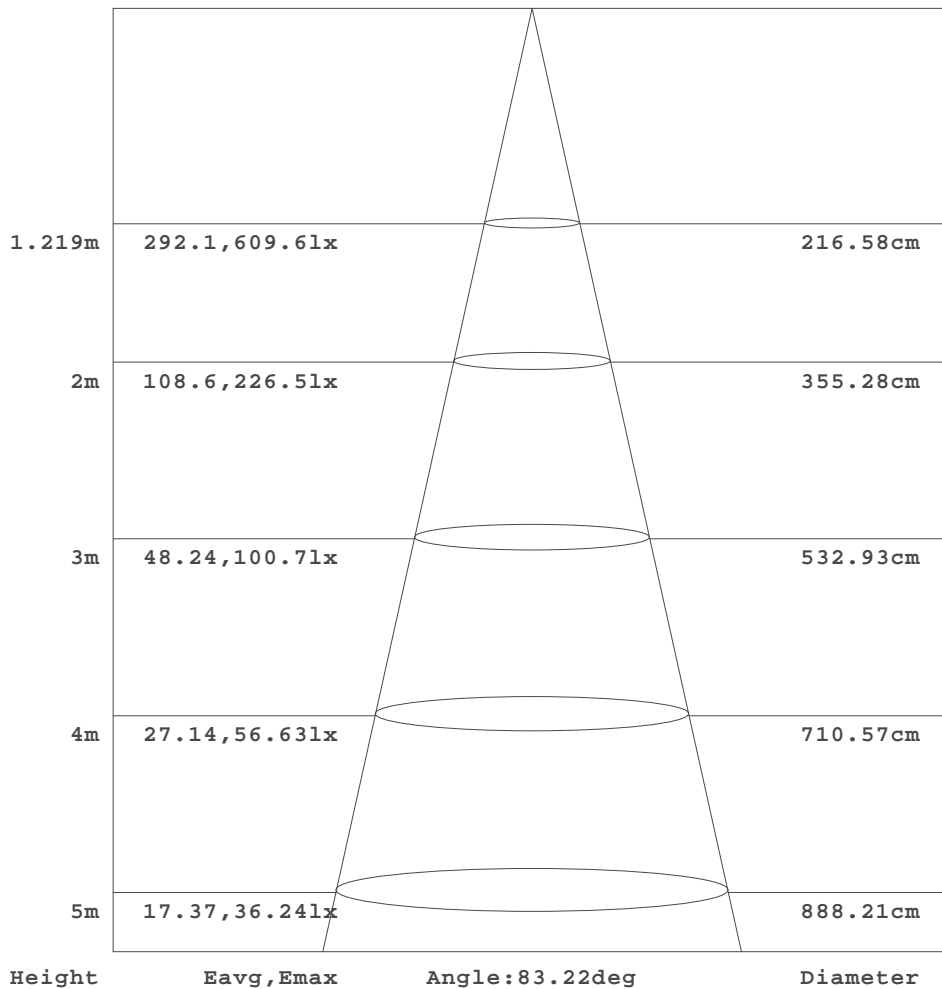
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-14

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-240913SHA-02\_F172  
T409132

## AAI Figure

Test:U:120.3V I:0.1437A P:16.24W PF:0.9596 Lamp Flux:1687.11x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 H-2700KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸手板样 H-2700KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:1106 lm



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

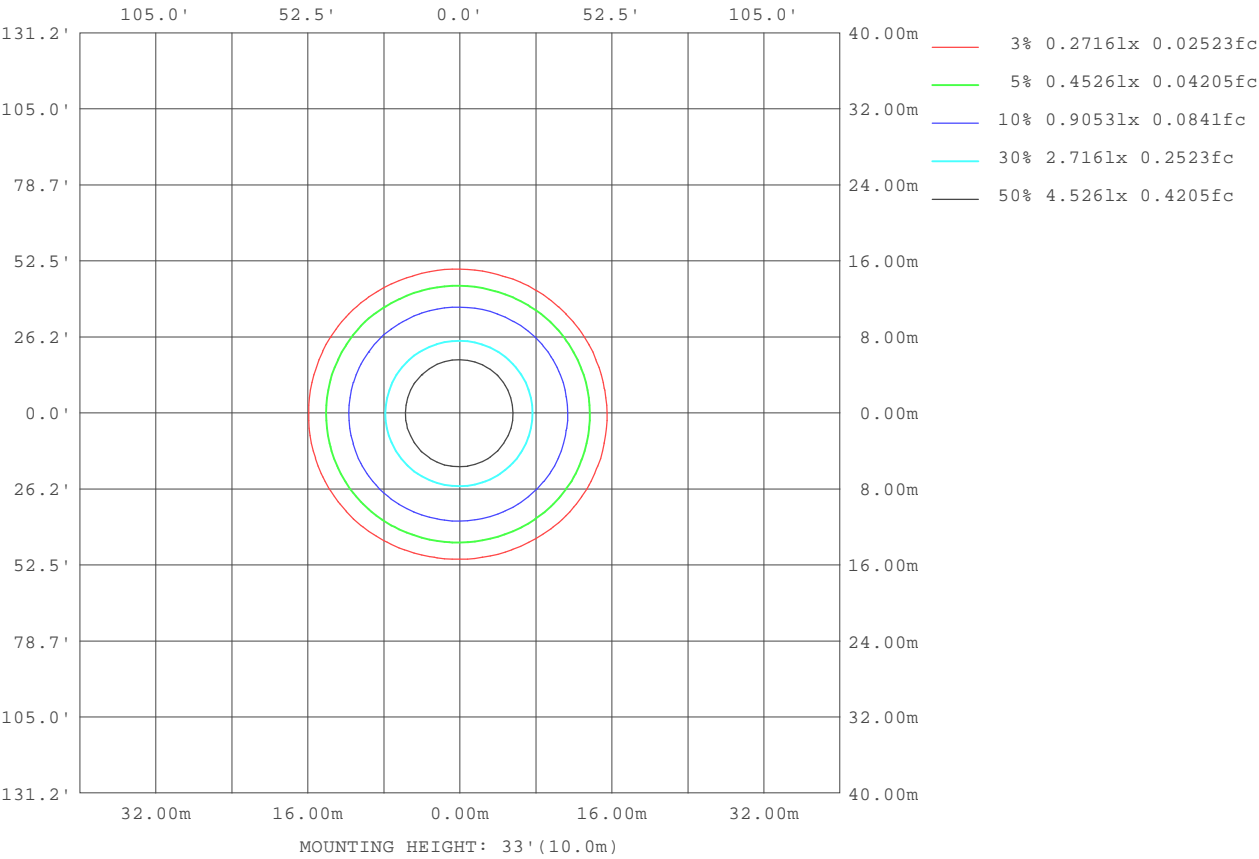
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Aaron  
 Test Date: 2024-09-14

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-240913SHA-02\_F172  
 T409132



ISOLUX DIAGRAM

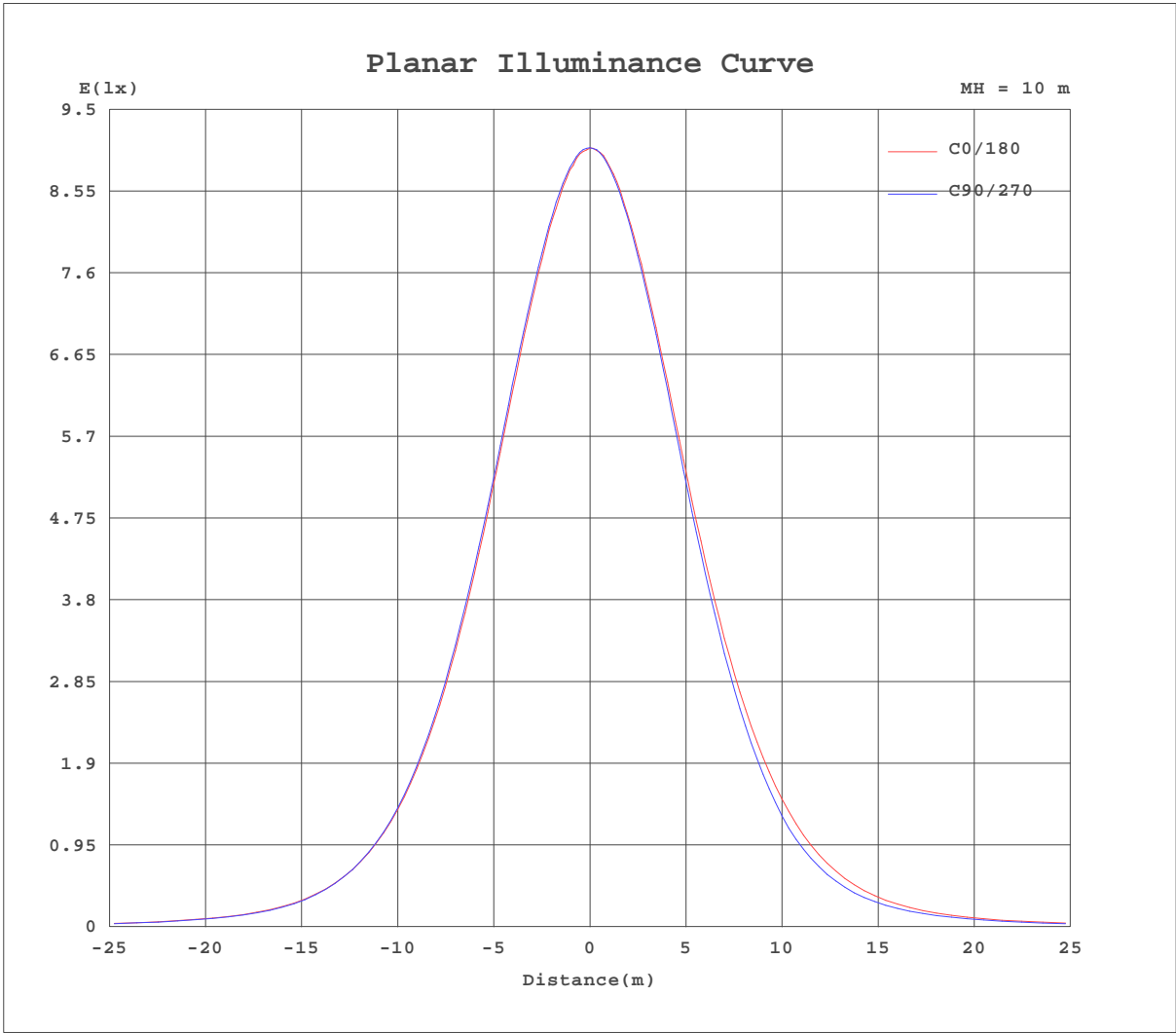
Test:U:120.3V I:0.1437A P:16.24W PF:0.9596 Lamp Flux:1687.11x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 H-2700KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸手板样 H-2700KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-14

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-240913SHA-02\_F172  
T409132

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-14

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-240913SHA-02\_F172  
T409132