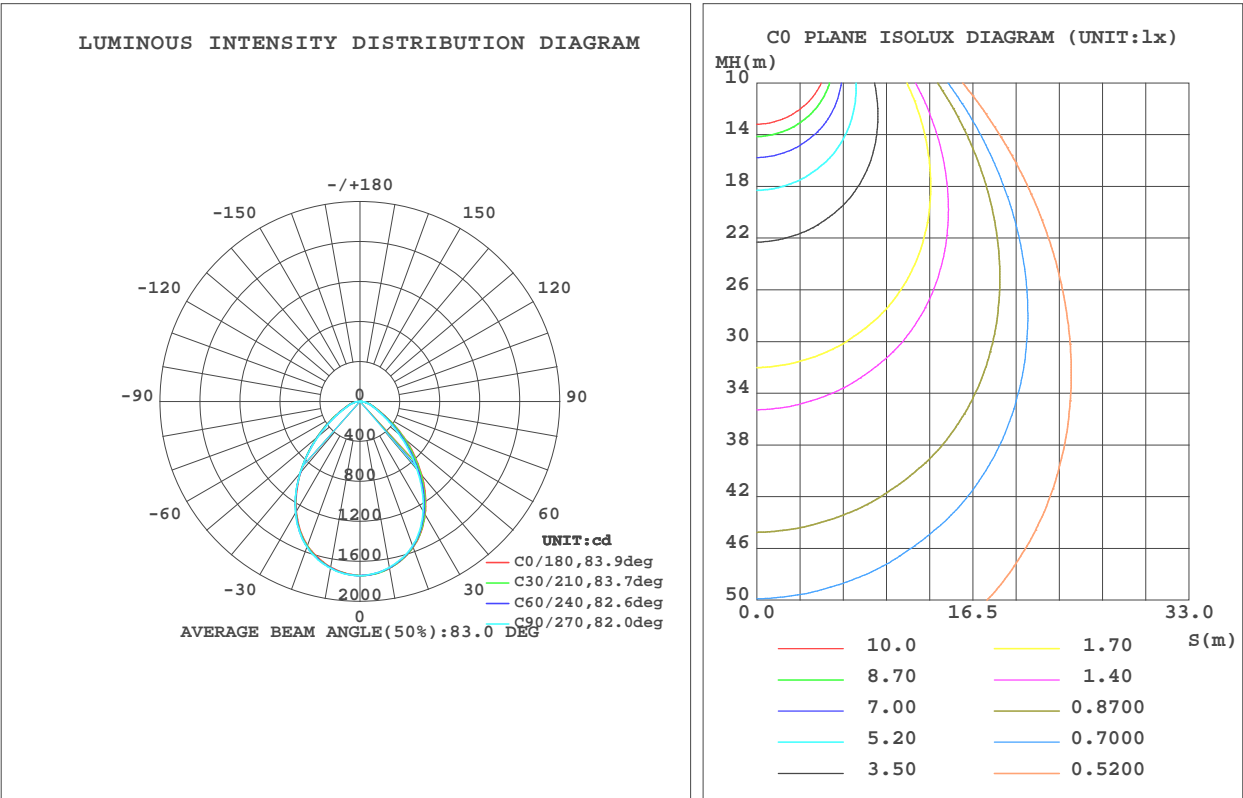


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.4V I:0.2448A P:28.81W PF:0.9782 Lamp Flux:3210.91x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-3500KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-3500KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 111.45 lm/W			
MODEL		Imax(cd)	1744	S/MH(C0/180)	1.13
NOMINAL POWER(W)	28.81	LOR(%)	100.0	S/MH(C90/270)	1.11
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3210.9	h UP,DN(C0-180)	0.1,50.4
NOMINAL FLUX(lm)	3210.91	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



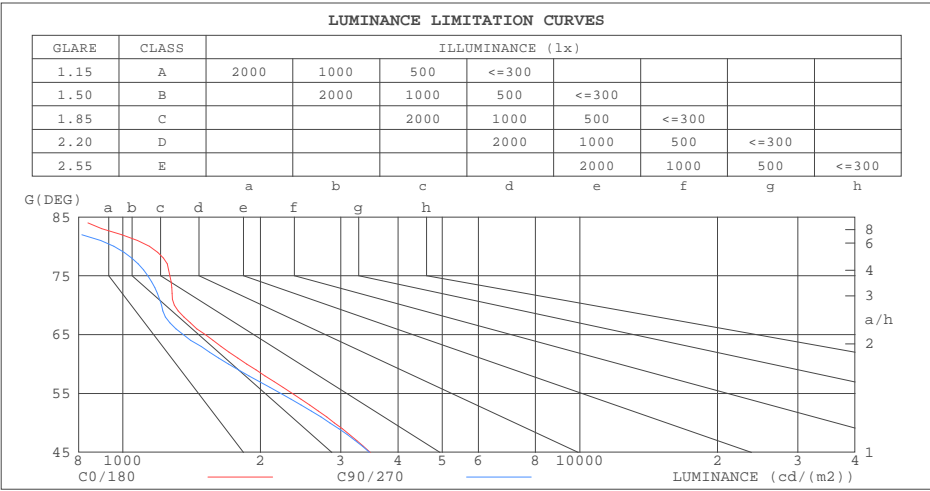
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

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	1684	1691	1695	1697	1696	1690	1688	1682	0- 10	163.8	163.8	5.1
20	1536	1548	1551	1557	1554	1547	1537	1535	10- 20	458.6	622.4	19.4
30	1274	1289	1290	1305	1303	1286	1264	1266	20- 30	656.0	1278	39.8
40	924.2	935.9	931.5	962.4	962.8	929.5	889.0	903.2	30- 40	694.4	1973	61.4
50	559.9	567.9	547.8	586.4	595.7	560.9	512.6	533.2	40- 50	569.7	2542	79.2
60	279.7	272.5	255.5	277.8	289.2	271.5	244.4	258.6	50- 60	358.1	2901	90.3
70	132.9	128.4	124.8	130.3	136.3	128.2	123.4	125.9	60- 70	185.6	3086	96.1
80	59.48	55.46	49.78	56.51	57.02	56.17	51.65	55.81	70- 80	97.95	3184	99.2
90	0.0040	0	0	0	0	0	0	0	80- 90	21.38	3205	99.8
100	0	0	0	0	0	0	0	0	90-100	0.0000	3205	99.8
110	0	0	0	0	0.0002	0	0	0	100-110	0.0000	3205	99.8
120	0.3136	0.3768	0.2468	0.2839	0.4010	0.2892	0.3828	0.3760	110-120	0.1233	3206	99.8
130	0.9052	0.9749	0.8380	0.8263	1.011	0.8934	1.018	1.005	120-130	0.5481	3206	99.9
140	1.645	1.702	1.566	1.518	1.720	1.639	1.765	1.745	130-140	0.9881	3207	99.9
150	2.384	2.460	2.337	2.275	2.454	2.428	2.535	2.491	140-150	1.271	3208	99.9
160	3.019	3.095	3.009	2.954	3.088	3.057	3.177	3.088	150-160	1.262	3210	100
170	3.451	3.546	3.478	3.453	3.531	3.520	3.590	3.502	160-170	0.9268	3211	100
180	3.636	3.724	3.707	3.650	3.636	3.711	3.707	3.632	170-180	0.3426	3211	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	799	408
80	1143	955
75	1268	1134
70	1296	1216
65	1516	1356
60	1866	1703
55	2350	2217
50	2905	2840
45	3479	3468

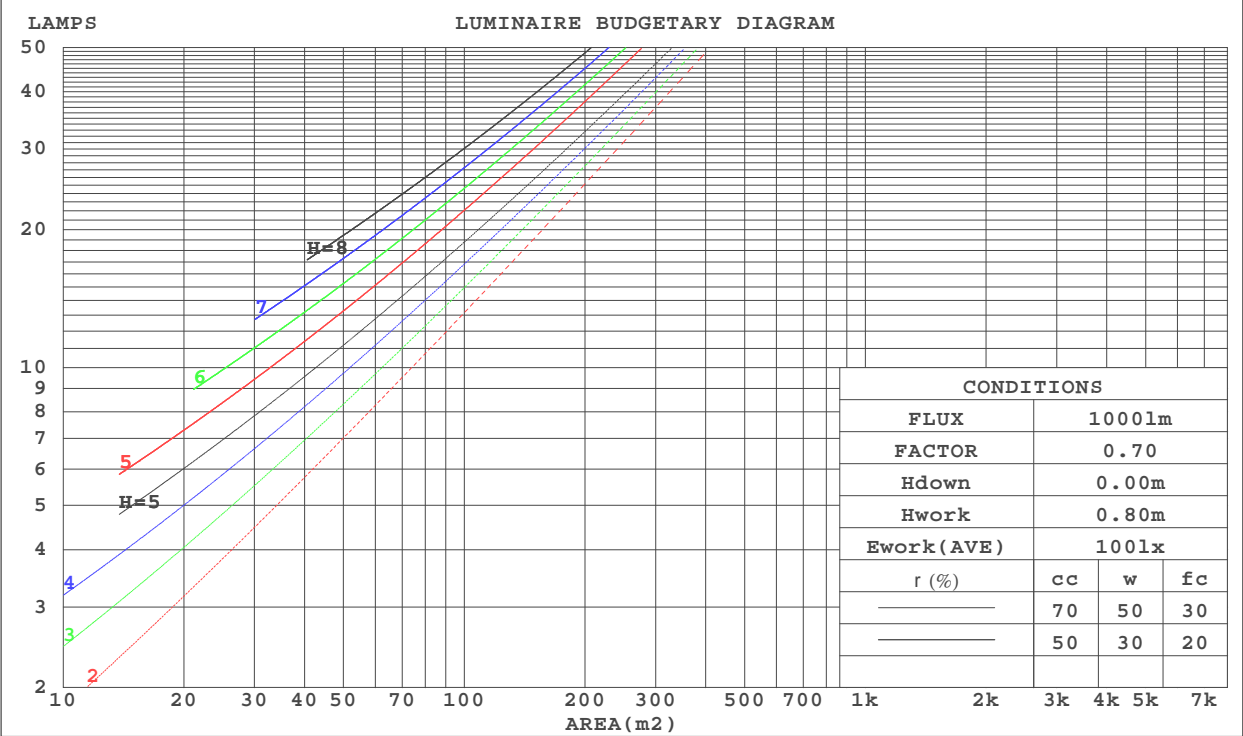
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

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:120.4V I:0.2448A P:28.81W PF:0.9782 Lamp Flux:3210.91x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-3500KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-3500KM.:	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:120.4V I:0.2448A P:28.81W PF:0.9782 Lamp Flux:3210.91x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-3500KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-3500KM.:	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	.212	.119	.037	.202	.114	.036	
3.0	.226	.120	.036	.221	.118	.036	.211	.114	.035	.202	.110	.034	.193	.107	.033	
4.0	.212	.110	.032	.208	.109	.032	.199	.105	.032	.191	.102	.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	.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	.167	.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	.020	.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	.167	.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	.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	.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:120.4V I:0.2448A P:28.81W PF:0.9782 Lamp Flux:3210.91x1 lm										
NAME: F172#Selectfit downlight 6寸HO手板样 H-3500KPE:LED							WEIGHT:			
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-3500KM.:							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	15.1	16.4	15.3	16.6	16.8	14.8	16.2	15.1	16.3	16.5
3H	15.6	16.8	15.9	17.0	17.3	15.3	16.5	15.6	16.7	17.0
4H	15.9	17.0	16.2	17.3	17.5	15.6	16.7	15.9	16.9	17.2
6H	16.1	17.2	16.4	17.4	17.7	15.7	16.8	16.0	17.0	17.3
8H	16.2	17.2	16.5	17.5	17.7	15.7	16.8	16.1	17.0	17.3
12H	16.2	17.2	16.5	17.4	17.7	15.7	16.7	16.1	17.0	17.3
4H 2H	15.3	16.4	15.6	16.6	16.9	15.0	16.2	15.3	16.4	16.7
3H	16.0	16.9	16.3	17.2	17.5	15.7	16.7	16.0	17.0	17.3
4H	16.3	17.2	16.7	17.6	17.9	16.0	16.9	16.4	17.3	17.6
6H	16.7	17.5	17.1	17.8	18.2	16.3	17.1	16.7	17.4	17.8
8H	16.8	17.5	17.2	17.9	18.3	16.4	17.1	16.8	17.5	17.9
12H	16.9	17.5	17.3	17.9	18.3	16.4	17.0	16.8	17.4	17.8
8H 4H	16.4	17.2	16.9	17.5	17.9	16.2	16.9	16.6	17.3	17.6
6H	16.9	17.5	17.4	17.9	18.3	16.5	17.1	17.0	17.5	18.0
8H	17.1	17.6	17.6	18.0	18.5	16.6	17.2	17.1	17.6	18.1
12H	17.2	17.7	17.7	18.1	18.6	16.7	17.1	17.1	17.6	18.0
12H 4H	16.4	17.1	16.9	17.5	17.9	16.2	16.8	16.6	17.2	17.6
6H	16.9	17.5	17.4	17.9	18.3	16.6	17.1	17.0	17.5	18.0
8H	17.1	17.6	17.6	18.0	18.5	16.7	17.1	17.2	17.6	18.1
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 3211 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:0.2448A P:28.81W PF:0.9782 Lamp Flux:3210.91x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-3500KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-3500KM.:	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	66	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	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	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

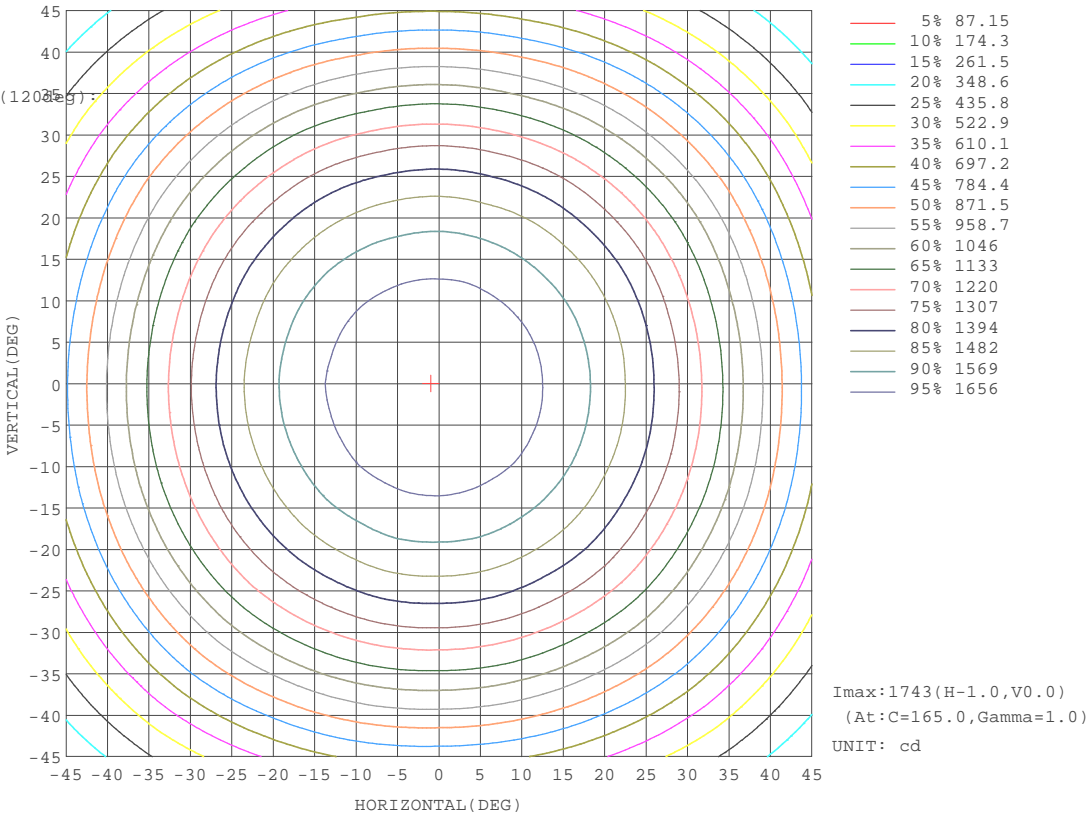
Test:U:120.4V I:0.2448A P:28.81W PF:0.9782 Lamp Flux:3210.9lx1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-3500KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-3500KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

2281.2 lm
%lum = 71.0%
%lamp = 71.0%

Conical surface Flux(120deg):

2900.5 lm
%lum = 90.3%
%lamp = 90.3%



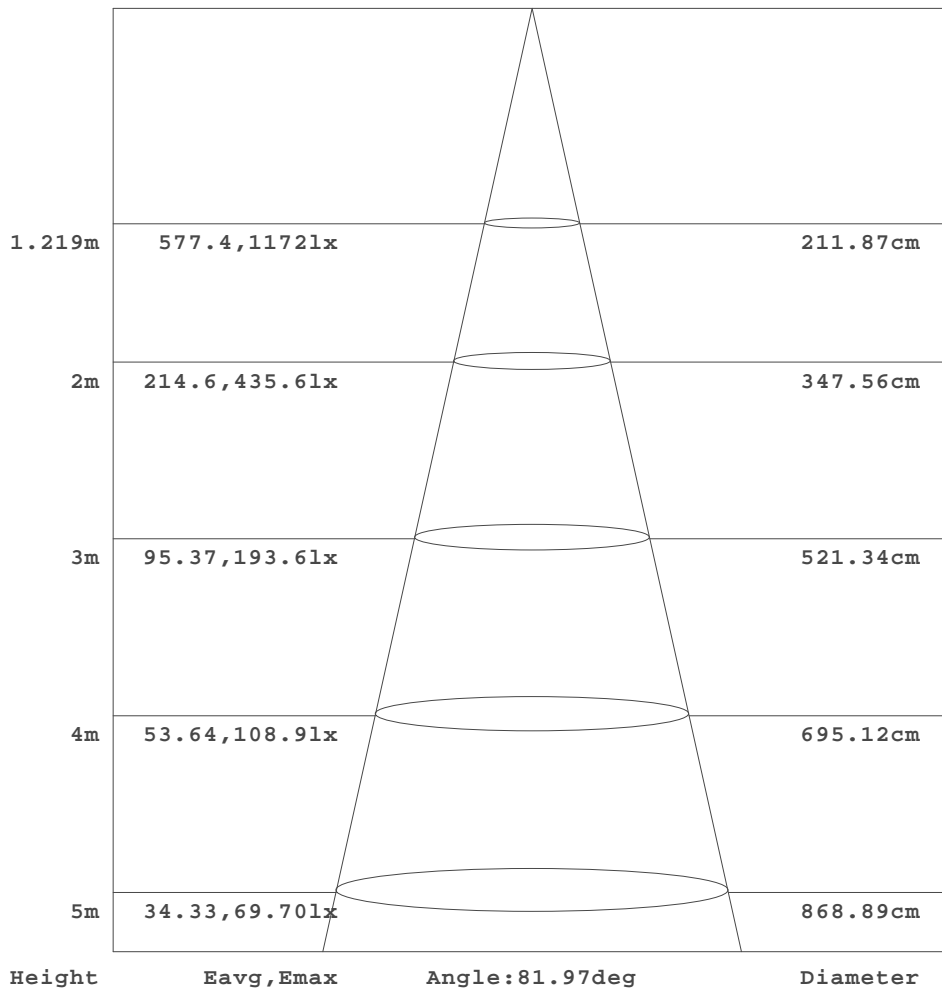
C Range: 0 - 360DEG
C Interval: 15.0DEG
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g Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.627m [K=1.0000]
Remarks: TRP-240925SHA-01_F172
T409251

AAI Figure

Test:U:120.4V I:0.2448A P:28.81W PF:0.9782 Lamp Flux:3210.91x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-3500KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-3500KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:2038 lm



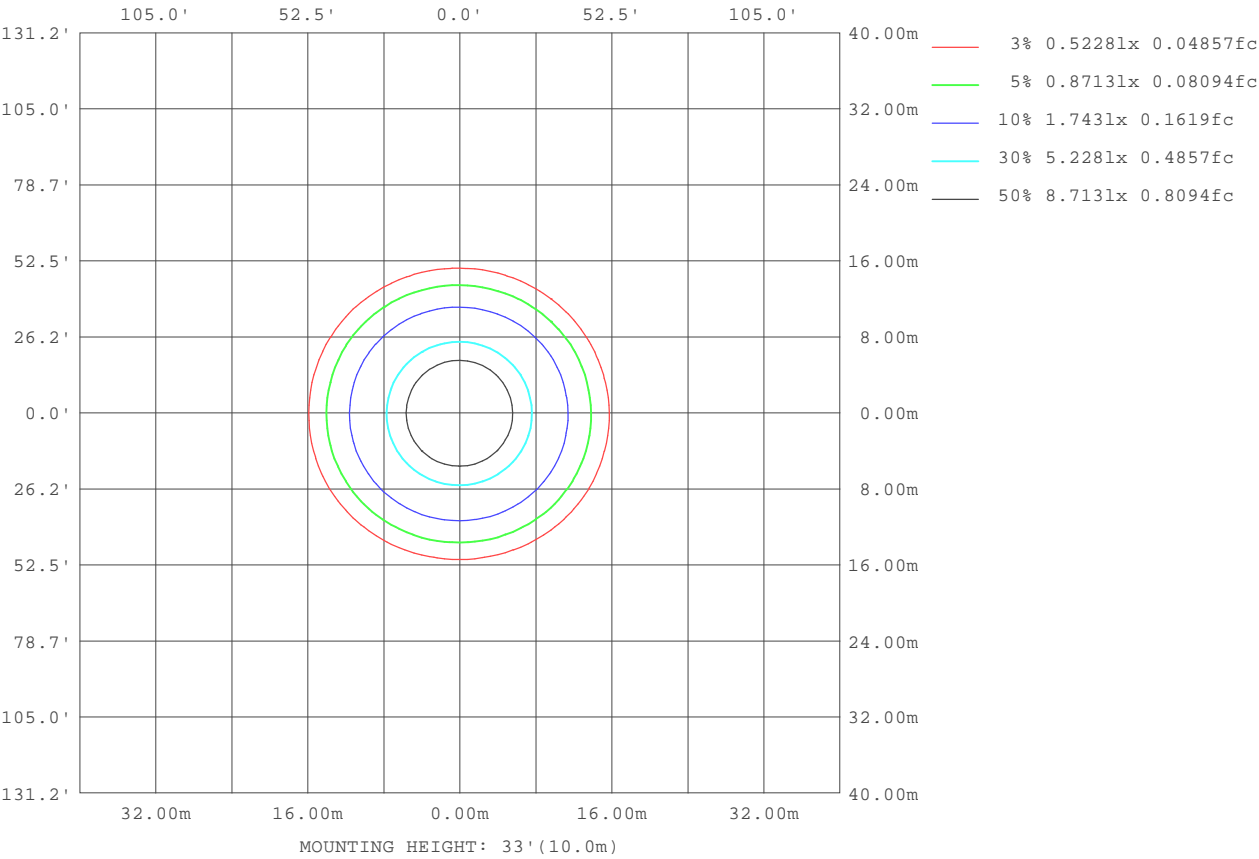
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

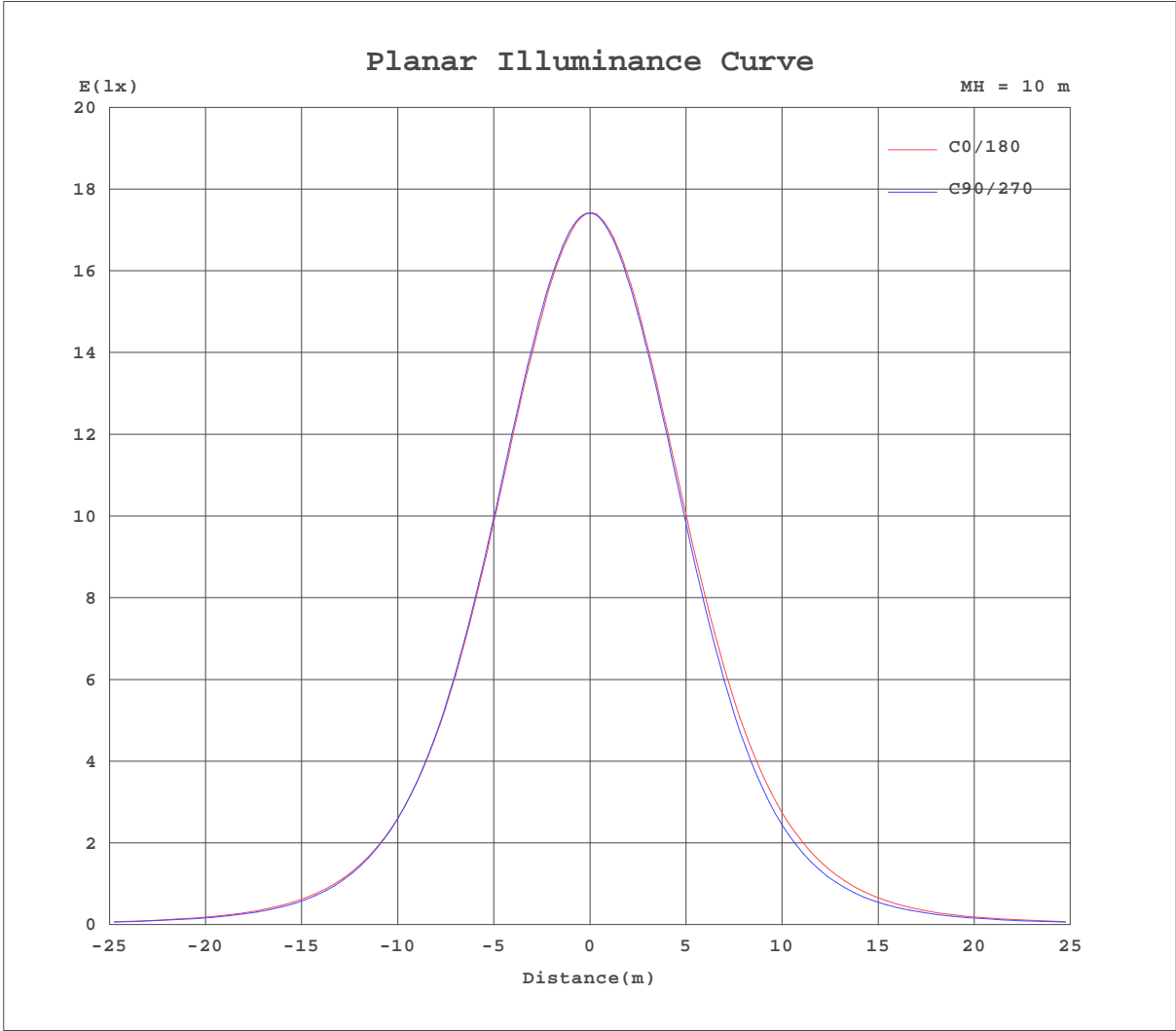
Test:U:120.4V I:0.2448A P:28.81W PF:0.9782 Lamp Flux:3210.91x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-3500KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-3500KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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